

**Disclaimer**

The following report(s) provides findings from an FDA-initiated query using Sentinel. While Sentinel queries may be undertaken to assess potential medical product safety risks, they may also be initiated for various other reasons. Some examples include determining a rate or count of an identified health outcome of interest, examining medical product use, exploring the feasibility of future, more detailed analyses within Sentinel, and seeking to better understand Sentinel capabilities.

Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, postmarket studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular program run(s).

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## Overview for request: cder\_mpl1p\_wp104

**Request ID:** cder\_mpl1p\_wp104

**Request Description:** In this report, we estimated the prevalence of Cutaneous Lupus Erythematosus (CLE) subtypes defined by different diagnosis codes and algorithms within the Sentinel Distributed Database (SDD). As part of sensitivity analyses, we also estimated prevalence within cohorts where the index event diagnosis code was recorded by: (1) any known provider ID, (2) a known provider with a known specialty (excluding unknown specialty), or (3) a dermatologist or rheumatologist. This is the third of three reports, including data from a combination of the public, commercial, and IDS Sentinel Data Partners. The first report includes data from public Sentinel Data Partners, while the second report includes data from a combination of the commercial and

**Sentinel Routine Querying Module:** Cohort Identification and Descriptive Analysis (CIDA) module, version 14.1.1

**Data Source:** We distributed this request to 12 Data Partners in the Sentinel Distributed Database on March 7, 2025; this report includes data from all of these Data Partners. The study period included data from January 1, 2017, to July 31, 2024. Please see Appendix A for a list of dates of available data for each Data Partner.

**Study Design:** To estimate the prevalence of CLE subtypes, identified individuals with at least 90 days of continuous medical coverage (allowing a gap of up to 45 days) in the SDD. Cohort re-entry was allowed, and individuals could contribute all qualified index dates within each cohort. We analyzed the number of qualifying patients overall and by age group (0-5, 6-11, 12-17, 18-44, 45-64, and  $\geq 65$  years), sex, year, race, Hispanic origin, and age-year combinations. Patients were counted in each stratification group in which they had evidence of the disease according to our event definitions.

To calculate prevalence (Number of Patients per 100,000 Eligible Members, and Number of Patients per 100,000 Eligible Member-Years), we identified Eligible Members as individuals meeting cohort entry criteria (at least 90 days of continuous enrollment with a maximum 45-day gap) on any day during the query period. Eligible Member-Days and Eligible Member-Years were calculated based on total enrollment duration. These counts remained consistent across cohorts as the denominator for prevalence estimates.

We also reported Total Observable Days, representing the duration patients remained enrolled after diagnosis, from the index date until the last day of enrollment.

This is a Type 1 analysis in the Query Request Package (QRP) documentation.

### Overview for request: cder\_mpl1p\_wp104

Event of Interest: Events were identified using International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes in outpatient care setting (restricted to ambulatory visits and other ambulatory visits).

CLE subtypes were defined as:

1. **DLE:** ICD-10 code L93.0.
2. **SCLE:** ICD-10 code L93.1.
3. **Other lupus erythematosus:** ICD-10 code L93.2.
4. **SLE without systemic symptoms:** M32.9 on the index day, with no history of M32.1/M32.1x (systemic SLE) or M32.0 (drug-induced SLE) within 365 days, but evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within 365 days.
5. **Co-occurrence of SLE and DLE:** L93.0 (DLE) preceding M32.9 (SLE) by more than 1 year.
6. **Mixed CLE:** Indexing on L93.0, L93.1, or L93.2, with at least one of the other codes appearing on the index date or later.
7. **Chilblains with evidence of SLE:** T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) with M32.9 (SLE) before or after the index date.

Please see Appendix B for a list of ICD-10-CM codes used to define index events in this request.

Each CLE subtype index event was further analyzed in three sensitivity analyses as separate cohorts:

- Indexing event recorded by any known provider.
- Indexing event recorded by a known provider with a known specialty (excluding unknown specialty).
- Indexing event recorded by a dermatologist or rheumatologist.

In total, we analyzed **28 cohorts**.

Please see Appendix C, D and E for a list of specialty visit codes that were used to restrict indexing events in the three sensitivity analyses in this request.

**Baseline Characteristics:** We assessed the following characteristics on index date: age, sex, race, Hispanic origin, and year.

Charlson/Elixhauser combined comorbidity score<sup>1</sup> (continuous and categorized:  $\leq 0$ , 1-2, 3-4,  $\geq 5$ ) was assessed from 90 days before the index date through the index date. Tobacco use (diagnosis, smoking cessation procedures, or smoking-related medication) was assessed using all available data up to and including the index date. Healthcare utilization intensity was assessed from 90 days before the index date through the index date.

Please see Appendix F for a list of Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System, Level II (HCPCS), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes and Appendix G for a list of generic and brand names of medical products used to define baseline characteristics in this request.

**Cohort Eligibility Criteria:** To be included, members needed at least 90 days of medical coverage before each index date, allowing gaps up to 45 days. All qualifying prevalent index dates were included.

Additional inclusion criteria were applied for the following cohorts:

- **SLE without systemic symptoms:** No evidence of M32.1/M32.1x (systemic SLE) or M32.0 (drug-induced SLE) within 365 days, with SCLE (L93.1), other LE (L93.2), or DLE (L93.0) present within 365 days.
- **Co-occurrence of SLE and DLE:** Evidence of M32.9 (SLE) occurring more than 1 year after DLE.
- **Mixed CLE:** Presence of more than one of L93.0, L93.1, or L93.2 on or any time after the index date.
- **Chilblains with evidence of SLE:** Evidence of SLE any time before or after the index date.

Please see Appendix B for a list of ICD-10-CM codes used to define inclusion criteria in this request.

Overview for request: cder\_mpl1p\_wp104

Please see **Appendix H** for the specifications of parameters used in this request, **Appendix I** for a list of the baseline characteristics used in this request, and **Appendix J** for a design diagram of cohort entry requirements and index events.

**Limitations:** Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner. Also, algorithms used to define exposures and inclusion criteria are imperfect; thus, it is possible that there may be misclassification. Therefore, data should be interpreted with this limitation in mind.

**Small Cell Count Policy:** This report contains data from the Centers for Medicare and Medicaid Services (CMS). In accordance with the CMS data use agreement, we suppressed cells with counts between 1 and 10, and any cells that would permit back calculation of cells with small counts. Detailed information on the CMS Cell Size Suppression Policy is available here (<https://www.resdac.org/articles/cms-cell-size-suppression-policy>).

**Notes:** Please contact the Sentinel Operations Center ([info@sentinelssystem.org](mailto:info@sentinelssystem.org)) for questions and to provide comments/suggestions for future enhancements to this document. For more information on Sentinel's routine querying modules, please refer to the documentation (<https://dev.sentinelssystem.org/projects/SETINEL/repos/sentinel-routine-querying-tool-documentation/browse>).

<sup>1</sup> Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

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**Glossary of Terms for Analyses Using  
Cohort Identification and Descriptive Analysis (CIDA) Module\***

**Amount Supplied** - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing.

**Blackout Period** - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

**Care Setting** - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency Department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). The Care Setting, along with the Principal Diagnosis Indicator (PDX), forms the Care Setting/PDX parameter.

**Ambulatory Visit (AV)** - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

**Emergency Department (ED)** - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

**Inpatient Hospital Stay (IP)** - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

**Non-Acute Institutional Stay (IS)** - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

**Other Ambulatory Visit (OA)** - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

**Charlson/Elixhauser Combined Comorbidity Score** - calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (e.g., in the 183 days prior to index).

**Code Days** - the minimum number of times the diagnosis must be found during the evaluation period in order to fulfill the algorithm to identify the corresponding patient characteristic.

**Cohort Definition (drug/exposure)** - indicates how the cohort will be defined: 01: Cohort includes only the first valid treatment episode during the query period; 02: Cohort includes all valid treatment episodes during the query period; 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

**Computed Start Marketing Date** - represents the first observed dispensing date among all valid users within a GROUP (scenario) within each Data Partner site.

**Days Supplied** - number of days supplied for all dispensings in qualifying treatment episodes.

**Eligible Members** - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

**Enrollment Gap** - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

**Episodes** - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

**Episode Gap** - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

**Event Deduplication** - specifies how events are counted by the Modular Program (MP) algorithm: 0: Counts all occurrences of a health outcome of interest (HOI) during an exposure episode; 1: de-duplicates occurrences of the same HOI code and code type on the same day; 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

**Exposure Episode Length** - number of days after exposure initiation that is considered "exposed time."

**Exposure Extension Period** - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions are added after any episode gaps have been bridged.

**Lookback Period** - number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

**Maximum Episode Duration** - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

**Member-Years** - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period all divided by 365.25.

**Glossary of Terms for Analyses Using  
Cohort Identification and Descriptive Analysis (CIDA) Module\***

**Minimum Days Supplied** - specifies a minimum number of days in length of the days supplied for the episode to be considered.

**Minimum Episode Duration** - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

**Monitoring Period** - used to define time periods of interest for both sequential analysis and simple cohort characterization requests.

**Principal Diagnosis (PDX)** - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

**Query Period** - period in which the modular program looks for exposures and outcomes of interest.

**Switch Evaluation Step Value** - value used to differentiate evaluation step. Each switch pattern can support up to 2 evaluation steps (0 = switch pattern evaluation start; 1 = first evaluation; 2 = second evaluation).

**Switch Gap Inclusion Indicator** - indicator for whether gaps in treatment episodes that are included in a switch episode will be counted as part of the switch episode duration.

**Switch Pattern Cohort Inclusion Date** - indicates which date to use for inclusion into the switch pattern cohort of interest as well as optionally as the index date of the treatment episode initiating the switch pattern. Valid options are the product approval date, product marketing date, other requester defined date, or computed start marketing date.

**Switch Pattern Cohort Inclusion Strategy** - indicates how the switch pattern cohort inclusion date will be used: 01: used only as a switch cohort entry date. First treatment episode dispensing date is used as index for computing time to first switch; 02: used as switch cohort entry date and as initial switch step index date for computing time to first switch.

**Treatment Episode Truncation Indicator** - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

**Washout Period (drug/exposure)** - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

**Washout Period (event/outcome)** - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

**Years at Risk** - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

\*all terms may not be used in this report

**Table 1a. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	290,779	N/A
Index dates <sup>4</sup>	1,401,592	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	58.6	13.7
Age		
0-5 years	1,632	0.1%
6-11 years	2,713	0.2%
12-17 years	9,281	0.7%
18-44 years	289,450	20.7%
45-64 years	518,795	37.0%
≥ 65 years	579,721	41.4%
Sex		
Female	248,928	85.6%
Male	41,851	14.4%
Race <sup>5</sup>		
American Indian or Alaska Native	2,206	0.8%
Asian	4,883	1.7%
Black or African American	55,000	18.9%
Multi-racial	450	0.2%
Native Hawaiian or Other Pacific Islander	484	0.2%
Unknown	77,864	26.8%
White	149,892	51.5%
Hispanic origin		
Yes	17,180	5.9%
No	212,524	73.1%
Unknown	61,075	21.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	210,353	15.0%
2018	272,073	19.4%
2019	233,991	16.7%
2020	194,035	13.8%
2021	191,584	13.7%
2022	138,882	9.9%
2023	133,489	9.5%
2024	27,185	1.9%

**Table 1a. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.8	2.6
Combined comorbidity score categories		
<=0	574,365	41.0%
1-2	438,062	31.3%
3-4	185,173	13.2%
5+	203,992	14.6%
Tobacco Use assessed from all available data up to and including the index date	585,729	41.8%
Tobacco Use: diagnosed or identified by smoking cessation procedures	579,885	41.4%
Tobacco Use: identified by the dispensing of smoking-related medications	67,078	4.8%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	9.7	10.4
Mean number of emergency room encounters	0.4	1.3
Mean number of inpatient hospital encounters	0.2	0.6
Mean number of non-acute institutional encounters	0.0	0.3
Mean number of other ambulatory encounters	8.3	16.7
Mean number of filled prescriptions	12.1	13.3
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of generics dispensed	6.9	6.0
Mean number of unique drug classes dispensed	6.6	5.6

<sup>1</sup>Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

**Table 1b. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	269,940	N/A
Index dates <sup>4</sup>	1,228,638	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	59.0	13.8
Age		
0-5 years	1,399	0.1%
6-11 years	2,355	0.2%
12-17 years	8,164	0.7%
18-44 years	248,470	20.2%
45-64 years	431,979	35.2%
≥ 65 years	536,271	43.6%
Sex		
Female	231,489	85.8%
Male	38,451	14.2%
Race <sup>5</sup>		
American Indian or Alaska Native	2,126	0.8%
Asian	4,626	1.7%
Black or African American	52,708	19.5%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	66,916	24.8%
White	142,668	52.9%
Hispanic origin		
Yes	16,554	6.1%
No	202,620	75.1%
Unknown	50,766	18.8%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	185,736	15.1%
2018	242,494	19.7%
2019	206,934	16.8%
2020	168,602	13.7%
2021	166,824	13.6%
2022	122,952	10.0%
2023	116,384	9.5%
2024	18,712	1.5%

**Table 1b. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Coded by Any Known Provider<sup>4</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> assessed from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.8	2.6
Combined comorbidity score categories		
<=0	508,228	41.4%
1-2	384,152	31.3%
3-4	162,147	13.2%
5+	174,111	14.2%
Tobacco Use assessed from all available data up to and including the index date	514,134	41.8%
Tobacco Use: diagnosed or identified by smoking cessation procedures	509,345	41.5%
Tobacco Use: identified by the dispensing of smoking-related medications	55,761	4.5%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	9.7	10.3
Mean number of emergency room encounters	0.4	1.3
Mean number of inpatient hospital encounters	0.2	0.7
Mean number of non-acute institutional encounters	0.0	0.3
Mean number of other ambulatory encounters	6.2	13.8
Mean number of filled prescriptions	11.7	12.9
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of generics dispensed	6.7	5.9
Mean number of unique drug classes dispensed	6.4	5.5

<sup>1</sup>Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0. The indexing event ICD-10 code was recorded by any known provider ID. Please see the list of provider ID in Appendix C.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1c. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	247,560	N/A
Index dates <sup>4</sup>	1,082,824	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	59.5	13.8
Age		
0-5 years	1,210	0.1%
6-11 years	1,974	0.2%
12-17 years	6,769	0.6%
18-44 years	209,376	19.3%
45-64 years	373,669	34.5%
≥ 65 years	489,826	45.2%
Sex		
Female	212,975	86.0%
Male	34,585	14.0%
Race <sup>5</sup>		
American Indian or Alaska Native	1,838	0.7%
Asian	4,019	1.6%
Black or African American	48,796	19.7%
Multi-racial	373	0.2%
Native Hawaiian or Other Pacific Islander	416	0.2%
Unknown	61,449	24.8%
White	130,669	52.8%
Hispanic origin		
Yes	14,285	5.8%
No	185,719	75.0%
Unknown	47,556	19.2%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	156,924	14.5%
2018	211,024	19.5%
2019	180,693	16.7%
2020	147,905	13.7%
2021	147,246	13.6%
2022	113,758	10.5%
2023	107,465	9.9%
2024	17,809	1.6%

**Table 1c. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

Health Characteristics	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.9	2.6
Combined comorbidity score categories		
<=0	440,045	40.6%
1-2	336,570	31.1%
3-4	144,648	13.4%
5+	161,561	14.9%
Tobacco Use assessed from all available data up to and including the index date	460,637	42.5%
Tobacco Use: diagnosed or identified by smoking cessation procedures	457,604	42.3%
Tobacco Use: identified by the dispensing of smoking-related medications	44,126	4.1%
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of ambulatory encounters	9.8	10.4
Mean number of emergency room encounters	0.4	1.3
Mean number of inpatient hospital encounters	0.2	0.7
Mean number of non-acute institutional encounters	0.0	0.3
Mean number of other ambulatory encounters	4.6	9.9
Mean number of filled prescriptions	11.4	12.6
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of generics dispensed	6.6	5.8
Mean number of unique drug classes dispensed	6.3	5.4

<sup>1</sup>Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0. The indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded. Please see the list of provider ID in Appendix D.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period."

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1e. Aggregated Characteristics of Patients with Subacute Cutaneous Lupus Erythematosus\* in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	49,024	N/A
Index dates <sup>4</sup>	210,474	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	65.8	12.3
Age		
0-5 years	63	0.0%
6-11 years	403	0.2%
12-17 years	854	0.4%
18-44 years	23,174	11.0%
45-64 years	51,590	24.5%
≥ 65 years	134,390	63.9%
Sex		
Female	39,858	81.3%
Male	9,166	18.7%
Race <sup>5</sup>		
American Indian or Alaska Native	217	0.4%
Asian	616	1.3%
Black or African American	4,468	9.1%
Multi-racial	57	0.1%
Native Hawaiian or Other Pacific Islander	66	0.1%
Unknown	11,477	23.4%
White	32,123	65.5%
Hispanic origin		
Yes	1,524	3.1%
No	37,494	76.5%
Unknown	10,006	20.4%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	27,115	12.9%
2018	29,248	13.9%
2019	30,049	14.3%
2020	29,268	13.9%
2021	32,142	15.3%
2022	28,692	13.6%
2023	28,699	13.6%
2024	5,261	2.5%

**Table 1e. Aggregated Characteristics of Patients with Subacute Cutaneous Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

Health Characteristics	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.3	2.3
Combined comorbidity score categories		
<=0	103,562	49.2%
1-2	64,366	30.6%
3-4	22,626	10.8%
5+	19,920	9.5%
Tobacco Use assessed from all available data up to and including the index date	87,186	41.4%
Tobacco Use: diagnosed or identified by smoking cessation procedures	86,734	41.2%
Tobacco Use: identified by the dispensing of smoking-related medications	7,454	3.5%
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of ambulatory encounters	8.2	7.3
Mean number of emergency room encounters	0.2	0.8
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.2
Mean number of other ambulatory encounters	3.5	8.5
Mean number of filled prescriptions	9.4	10.2
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of generics dispensed	5.8	5.2
Mean number of unique drug classes dispensed	5.6	4.9

<sup>1</sup>Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1d. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Standard Deviation<sup>3</sup></b>
Unique patients	75,541	N/A
Index dates <sup>4</sup>	276,546	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Standard Deviation<sup>3</sup></b>
Age (years)	58.2	13.4
Age		
0-5 years	475	0.2%
6-11 years	998	0.4%
12-17 years	2,696	1.0%
18-44 years	59,207	21.4%
45-64 years	92,671	33.5%
≥ 65 years	120,499	43.6%
Sex		
Female	62,039	82.1%
Male	13,502	17.9%
Race <sup>5</sup>		
American Indian or Alaska Native	345	0.5%
Asian	1,532	2.0%
Black or African American	18,466	24.4%
Multi-racial	155	0.2%
Native Hawaiian or Other Pacific Islander	152	0.2%
Unknown	20,531	27.2%
White	34,360	45.5%
Hispanic origin		
Yes	3,991	5.3%
No	54,736	72.5%
Unknown	16,814	22.3%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/Standard Deviation<sup>3</sup></b>
Year		
2017	41,991	15.2%
2018	48,957	17.7%
2019	46,477	16.8%
2020	38,995	14.1%
2021	39,418	14.3%
2022	28,118	10.2%
2023	27,050	9.8%
2024	5,540	2.0%

**Table 1d. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.0	1.8
Combined comorbidity score categories		
<=0	154,354	55.8%
1-2	82,723	29.9%
3-4	23,940	8.7%
5+	15,529	5.6%
Tobacco Use assessed from all available data up to and including the index date	107,775	39.0%
Tobacco Use: diagnosed or identified by smoking cessation procedures	106,638	38.6%
Tobacco Use: identified by the dispensing of smoking-related medications	12,689	4.6%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	7.8	7.4
Mean number of emergency room encounters	0.2	0.7
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.6	6.8
Mean number of filled prescriptions	9.4	10.5
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of generics dispensed	5.8	5.2
Mean number of unique drug classes dispensed	5.5	4.9

<sup>1</sup>Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0. The indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1f. Aggregated Characteristics of Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	46,150	N/A
Index dates <sup>4</sup>	194,380	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	66.4	12.1
Age		
0-5 years	*****	*****
6-11 years	*****	*****
12-17 years	736	0.4%
18-44 years	20,070	10.3%
45-64 years	44,291	22.8%
≥ 65 years	128,855	66.3%
Sex		
Female	37,547	81.4%
Male	8,603	18.6%
Race <sup>5</sup>		
American Indian or Alaska Native	*****	*****
Asian	572	1.2%
Black or African American	4,263	9.2%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	9,938	21.5%
White	31,054	67.3%
Hispanic origin		
Yes	1,451	3.1%
No	36,162	78.4%
Unknown	8,537	18.5%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	25,234	13.0%
2018	27,324	14.1%
2019	27,768	14.3%
2020	27,081	13.9%
2021	29,889	15.4%
2022	26,594	13.7%
2023	26,397	13.6%
2024	4,093	2.1%

**Table 1f. Aggregated Characteristics of Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.3	2.3
Combined comorbidity score categories		
<=0	95,914	49.3%
1-2	59,697	30.7%
3-4	20,868	10.7%
5+	17,901	9.2%
Tobacco Use assessed from all available data up to and including the index date	80,709	41.5%
Tobacco Use: diagnosed or identified by smoking cessation procedures	80,283	41.3%
Tobacco Use: identified by the dispensing of smoking-related medications	6,725	3.5%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	8.3	7.2
Mean number of emergency room encounters	0.2	0.7
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.2
Mean number of other ambulatory encounters	3.3	7.7
Mean number of filled prescriptions	9.3	10.2
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of generics dispensed	5.8	5.2
Mean number of unique drug classes dispensed	5.6	4.9

<sup>1</sup>Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1. The indexing event ICD-10 code was recorded by any known provider ID. Please see the list of provider ID in Appendix C.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1g. Aggregated Characteristics of Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Standard Deviation<sup>3</sup></b>
Unique patients	42,281	N/A
Index dates <sup>4</sup>	175,902	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/Standard</b>
Age (years)	66.6	12.2
Age		
0-5 years	45	0.0%
6-11 years	305	0.2%
12-17 years	618	0.4%
18-44 years	17,504	10.0%
45-64 years	40,182	22.8%
≥ 65 years	117,248	66.7%
Sex		
Female	34,468	81.5%
Male	7,813	18.5%
Race <sup>5</sup>		
American Indian or Alaska Native	176	0.4%
Asian	495	1.2%
Black or African American	3,782	8.9%
Multi-racial	46	0.1%
Native Hawaiian or Other Pacific Islander	47	0.1%
Unknown	9,116	21.6%
White	28,619	67.7%
Hispanic origin		
Yes	1,236	2.9%
No	33,120	78.3%
Unknown	7,925	18.7%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/Standard</b>
Year		
2017	22,350	12.7%
2018	24,509	13.9%
2019	25,092	14.3%
2020	24,548	14.0%
2021	26,942	15.3%
2022	24,431	13.9%
2023	24,150	13.7%
2024	3,880	2.2%

**Table 1g. Aggregated Characteristics of Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

Health Characteristics	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.3	2.3
Combined comorbidity score categories		
<=0	86,127	49.0%
1-2	54,037	30.7%
3-4	19,016	10.8%
5+	16,722	9.5%
Tobacco Use assessed from all available data up to and including the index date	73,529	41.8%
Tobacco Use: diagnosed or identified by smoking cessation procedures	73,155	41.6%
Tobacco Use: identified by the dispensing of smoking-related medications	6,100	3.5%
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Standard Deviation <sup>3</sup>
Mean number of ambulatory encounters	8.3	7.2
Mean number of emergency room encounters	0.2	0.7
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.2
Mean number of other ambulatory encounters	3.1	7.4
Mean number of filled prescriptions	9.4	10.2
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of generics dispensed	5.8	5.2
Mean number of unique drug classes dispensed	5.6	4.9

<sup>1</sup>Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1. The indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded. Please see the list of provider ID in Appendix D. *Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1h. Aggregated Characteristics of Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	26,677	N/A
Index dates <sup>4</sup>	101,136	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	67.0	11.8
Age		
0-5 years	16	0.0%
6-11 years	187	0.2%
12-17 years	354	0.4%
18-44 years	9,017	8.9%
45-64 years	22,350	22.1%
≥ 65 years	69,212	68.4%
Sex		
Female	21,635	81.1%
Male	5,042	18.9%
Race <sup>5</sup>		
American Indian or Alaska Native	85	0.3%
Asian	306	1.1%
Black or African American	1,930	7.2%
Multi-racial	27	0.1%
Native Hawaiian or Other Pacific Islander	25	0.1%
Unknown	5,525	20.7%
White	18,779	70.4%
Hispanic origin		
Yes	649	2.4%
No	21,118	79.2%
Unknown	4,910	18.4%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	13,415	13.3%
2018	14,238	14.1%
2019	14,644	14.5%
2020	14,333	14.2%
2021	15,277	15.1%
2022	13,576	13.4%
2023	13,452	13.3%
2024	2,201	2.2%

**Table 1h. Aggregated Characteristics of Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

Health Characteristics	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.0	1.9
Combined comorbidity score categories		
<=0	54,668	54.1%
1-2	30,694	30.3%
3-4	9,502	9.4%
5+	6,272	6.2%
Tobacco Use assessed from all available data up to and including the index date	40,377	39.9%
Tobacco Use: diagnosed or identified by smoking cessation procedures	40,156	39.7%
Tobacco Use: identified by the dispensing of smoking-related medications	3,393	3.4%
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of ambulatory encounters	8.0	6.6
Mean number of emergency room encounters	0.2	0.5
Mean number of inpatient hospital encounters	0.1	0.3
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.1	4.2
Mean number of filled prescriptions	8.7	9.3
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of generics dispensed	5.6	5.0
Mean number of unique drug classes dispensed	5.4	4.7

<sup>1</sup>Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1. The indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1i. Aggregated Characteristics of Patients with Other Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	92,422	N/A
Index dates <sup>4</sup>	395,094	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	59.2	14.4
Age		
0-5 years	775	0.2%
6-11 years	1,429	0.4%
12-17 years	3,909	1.0%
18-44 years	75,863	19.2%
45-64 years	139,356	35.3%
≥ 65 years	173,762	35.3%
Sex		
Female	76,960	83.3%
Male	15,462	16.7%
Race <sup>5</sup>		
American Indian or Alaska Native	492	0.5%
Asian	1,625	1.8%
Black or African American	13,722	14.8%
Multi-racial	134	0.1%
Native Hawaiian or Other Pacific Islander	152	0.2%
Unknown	24,511	26.5%
White	51,786	56.0%
Hispanic origin		
Yes	5,023	5.4%
No	67,752	73.3%
Unknown	19,647	21.3%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	63,618	16.1%
2018	63,268	16.0%
2019	61,838	15.7%
2020	59,728	15.1%
2021	58,260	14.7%
2022	40,202	10.2%
2023	40,140	10.2%
2024	8,040	2.0%

**Table 1i. Aggregated Characteristics of Patients with Other Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.8	2.5
Combined comorbidity score categories		
<=0	163,709	41.4%
1-2	126,041	31.9%
3-4	51,993	13.2%
5+	53,351	13.5%
Tobacco Use assessed from all available data up to and including the index date	159,433	40.4%
Tobacco Use: diagnosed or identified by smoking cessation procedures	157,274	39.8%
Tobacco Use: identified by the dispensing of smoking-related medications	20,320	5.1%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	10.3	12.1
Mean number of emergency room encounters	0.3	1.0
Mean number of inpatient hospital encounters	0.2	0.6
Mean number of non-acute institutional encounters	0.0	0.3
Mean number of other ambulatory encounters	12.7	19.6
Mean number of filled prescriptions	13.1	14.5
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of generics dispensed	7.2	6.0
Mean number of unique drug classes dispensed	6.8	5.6

<sup>1</sup>Other lupus erythematosus, defined by ICD-10 code L93.2.

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1j. Aggregated Characteristics of Patients with Other Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	85,712	N/A
Index dates <sup>4</sup>	342,582	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	60.2	14.2
Age		
0-5 years	386	0.1%
6-11 years	1,273	0.4%
12-17 years	3,417	1.0%
18-44 years	62,503	18.2%
45-64 years	111,435	32.5%
≥ 65 years	163,568	47.7%
Sex		
Female	71,392	83.3%
Male	14,320	16.7%
Race <sup>5</sup>		
American Indian or Alaska Native	458	0.5%
Asian	1,544	1.8%
Black or African American	13,044	15.2%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	20,764	24.2%
White	49,625	57.9%
Hispanic origin		
Yes	4,790	5.6%
No	64,789	75.6%
Unknown	16,133	18.8%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	54,563	15.9%
2018	54,922	16.0%
2019	53,593	15.6%
2020	50,758	14.8%
2021	49,805	14.5%
2022	36,697	10.7%
2023	36,269	10.6%
2024	5,975	1.7%

**Table 1j. Aggregated Characteristics of Patients with Other Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.8	2.5
Combined comorbidity score categories		
<=0	142,822	41.7%
1-2	106,659	31.1%
3-4	45,384	13.2%
5+	47,717	13.9%
Tobacco Use assessed from all available data up to and including the index date	138,725	40.5%
Tobacco Use: diagnosed or identified by smoking cessation procedures	136,654	39.9%
Tobacco Use: identified by the dispensing of smoking-related medications	14,556	4.2%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	10.1	11.4
Mean number of emergency room encounters	0.3	1.0
Mean number of inpatient hospital encounters	0.2	0.6
Mean number of non-acute institutional encounters	0.0	0.3
Mean number of other ambulatory encounters	9.8	17.5
Mean number of filled prescriptions	12.6	14.6
Mean number of generics dispensed	7.0	6.1
Mean number of unique drug classes dispensed	6.6	5.6

<sup>1</sup>Other lupus erythematosus, defined by ICD-10 code L93.2. The indexing event ICD-10 code was recorded by any known provider ID. Please see the list of provider ID in Appendix C.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1k. Aggregated Characteristics of Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	76,944	N/A
Index dates <sup>4</sup>	287,959	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	61.1	14.3
Age		
0-5 years	320	0.1%
6-11 years	1,030	0.4%
12-17 years	2,828	1.0%
18-44 years	50,673	17.6%
45-64 years	84,756	29.4%
≥ 65 years	148,352	51.5%
Sex		
Female	64,267	83.5%
Male	12,677	16.5%
Race <sup>5</sup>		
American Indian or Alaska Native	403	0.5%
Asian	1,297	1.7%
Black or African American	11,710	15.2%
Multi-racial	111	0.1%
Native Hawaiian or Other Pacific Islander	129	0.2%
Unknown	18,567	24.1%
White	44,727	58.1%
Hispanic origin		
Yes	3,950	5.1%
No	58,222	75.7%
Unknown	14,772	19.2%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	43,075	15.0%
2018	44,741	15.5%
2019	44,420	15.4%
2020	41,722	14.5%
2021	41,379	14.4%
2022	33,581	11.7%
2023	33,326	11.6%
2024	5,715	2.0%

**Table 1k. Aggregated Characteristics of Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

Health Characteristics	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.8	2.6
Combined comorbidity score categories		
<=0	118,677	41.2%
1-2	88,543	30.7%
3-4	38,887	13.5%
5+	41,852	14.5%
Tobacco Use assessed from all available data up to and including the index date	118,750	41.2%
Tobacco Use: diagnosed or identified by smoking cessation procedures	118,000	41.0%
Tobacco Use: identified by the dispensing of smoking-related medications	10,265	3.6%
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of ambulatory encounters	10.2	11.4
Mean number of emergency room encounters	0.3	0.9
Mean number of inpatient hospital encounters	0.2	0.6
Mean number of non-acute institutional encounters	0.0	0.3
Mean number of other ambulatory encounters	5.6	11.4
Mean number of filled prescriptions	11.5	13.1
Mean number of generics dispensed	6.6	5.7
Mean number of unique drug classes dispensed	6.3	5.3

<sup>1</sup>Other lupus erythematosus, defined by ICD-10 code L93.2. The indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded. Please see the list of provider ID in Appendix D.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1I. Aggregated Characteristics of Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	31,862	N/A
Index dates <sup>4</sup>	101,347	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	60.4	13.6
Age		
0-5 years	191	0.2%
6-11 years	655	0.6%
12-17 years	1,347	1.3%
18-44 years	17,869	17.6%
45-64 years	29,257	28.9%
≥ 65 years	52,028	51.3%
Sex		
Female	25,986	81.6%
Male	5,876	18.4%
Race <sup>5</sup>		
American Indian or Alaska Native	96	0.3%
Asian	601	1.9%
Black or African American	4,558	14.3%
Multi-racial	61	0.2%
Native Hawaiian or Other Pacific Islander	64	0.2%
Unknown	7,915	24.8%
White	18,567	58.3%
Hispanic origin		
Yes	1,330	4.2%
No	23,826	74.8%
Unknown	6,706	21.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	13,856	13.7%
2018	14,456	14.3%
2019	15,548	15.3%
2020	14,747	14.6%
2021	15,459	15.3%
2022	12,348	12.2%
2023	12,435	12.3%
2024	2,498	2.5%

**Table 1I. Aggregated Characteristics of Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.1	1.9
Combined comorbidity score categories		
<=0	54,485	53.8%
1-2	30,846	30.4%
3-4	9,348	9.2%
5+	6,668	6.6%
date	39,868	39.3%
Tobacco Use: diagnosed or identified by smoking cessation procedures	39,505	39.0%
Tobacco Use: identified by the dispensing of smoking-related medications	4,234	4.2%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	8.2	7.2
Mean number of emergency room encounters	0.2	0.7
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.7	6.5
Mean number of filled prescriptions	9.5	10.4
Mean number of generics dispensed	5.9	5.3
Mean number of unique drug classes dispensed	5.7	5.0

<sup>1</sup>Other lupus erythematosus, defined by ICD-10 code L93.2. The indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1m. Aggregated Characteristics of Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	123,721	N/A
Index dates <sup>4</sup>	1,059,009	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	59.7	13.2
Age		
0-5 years	648	0.1%
6-11 years	721	0.1%
12-17 years	4,718	0.4%
18-44 years	199,623	18.8%
45-64 years	388,928	36.7%
≥ 65 years	464,371	43.8%
Sex		
Female	109,732	88.7%
Male	13,989	11.3%
Race <sup>5</sup>		
American Indian or Alaska Native	1,006	0.8%
Asian	1,550	1.3%
Black or African American	21,355	17.3%
Multi-racial	201	0.2%
Native Hawaiian or Other Pacific Islander	183	0.1%
Unknown	30,159	24.4%
White	69,267	56.0%
Hispanic origin		
Yes	6,622	5.4%
No	93,338	75.4%
Unknown	23,761	19.2%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	144,783	13.7%
2018	148,121	14.0%
2019	167,176	15.8%
2020	166,384	15.7%
2021	165,334	15.6%
2022	122,775	11.6%
2023	119,648	11.3%
2024	24,788	2.3%

**Table 1m. Aggregated Characteristics of Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	2.1	2.7
Combined comorbidity score categories		
<=0	379,486	35.8%
1-2	350,029	33.1%
3-4	153,662	14.5%
5+	175,832	16.6%
Tobacco Use assessed from all available data up to and including the index date	457,065	43.2%
Tobacco Use: diagnosed or identified by smoking cessation procedures	454,458	42.9%
Tobacco Use: identified by the dispensing of smoking-related medications	45,813	4.3%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	9.3	8.3
Mean number of emergency room encounters	0.5	1.3
Mean number of inpatient hospital encounters	0.3	0.6
Mean number of non-acute institutional encounters	0.1	0.3
Mean number of other ambulatory encounters	8.2	15.9
Mean number of filled prescriptions	13.3	14.4
Mean number of generics dispensed	7.4	6.1
Mean number of unique drug classes dispensed	7.1	5.7

<sup>1</sup>Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1n. Aggregated Characteristics of Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	116,140	N/A
Index dates <sup>4</sup>	903,567	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	60.2	13.2
Age		
0-5 years	623	0.1%
6-11 years	671	0.1%
12-17 years	4,101	0.5%
18-44 years	165,702	18.3%
45-64 years	314,368	34.8%
≥ 65 years	418,102	46.3%
Sex		
Female	103,234	88.9%
Male	12,906	11.1%
Race <sup>5</sup>		
American Indian or Alaska Native	977	0.8%
Asian	1,474	1.3%
Black or African American	20,478	17.6%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	26,343	22.7%
White	66,496	57.3%
Hispanic origin		
Yes	6,403	5.5%
No	89,571	77.1%
Unknown	20,166	17.4%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	128,756	14.2%
2018	130,905	14.5%
2019	144,064	15.9%
2020	139,369	15.4%
2021	138,874	15.4%
2022	105,021	11.6%
2023	101,271	11.2%
2024	15,307	1.7%

**Table 1n. Aggregated Characteristics of Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	2.0	2.7
Combined comorbidity score categories		
<=0	327,727	36.3%
1-2	299,692	33.2%
3-4	131,109	14.5%
5+	145,039	16.1%
Tobacco Use assessed from all available data up to and including the index date	387,138	42.8%
Tobacco Use: diagnosed or identified by smoking cessation procedures	384,941	42.6%
Tobacco Use: identified by the dispensing of smoking-related medications	37,635	4.2%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	9.2	8.2
Mean number of emergency room encounters	0.4	1.2
Mean number of inpatient hospital encounters	0.2	0.6
Mean number of non-acute institutional encounters	0.1	0.3
Mean number of other ambulatory encounters	6.6	13.7
Mean number of filled prescriptions	13.1	14.6
Mean number of generics dispensed	7.3	6.1
Mean number of unique drug classes dispensed	7.0	5.7

<sup>1</sup>Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days. The indexing event ICD-10 code was recorded by any known provider ID. Please see the list of provider ID in Appendix C.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1o. Aggregated Characteristics of Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	109,475	N/A
Index dates <sup>4</sup>	803,092	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	60.7	13.2
Age		
0-5 years	147	0.0%
6-11 years	559	0.1%
12-17 years	3,255	0.4%
18-44 years	140,895	17.5%
45-64 years	273,497	34.1%
≥ 65 years	384,739	47.9%
Sex		
Female	97,578	89.1%
Male	11,897	10.9%
Race <sup>5</sup>		
American Indian or Alaska Native	905	0.8%
Asian	1,334	1.2%
Black or African American	19,128	17.5%
Multi-racial	170	0.2%
Native Hawaiian or Other Pacific Islander	149	0.1%
Unknown	24,851	22.7%
White	62,938	57.5%
Hispanic origin		
Yes	5,863	5.4%
No	84,403	77.1%
Unknown	19,209	17.5%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	112,587	14.0%
2018	114,253	14.2%
2019	125,640	15.6%
2020	123,165	15.3%
2021	122,221	15.2%
2022	97,284	12.1%
2023	93,636	11.7%
2024	14,306	1.8%

**Table 1o. Aggregated Characteristics of Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

Health Characteristics	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	2.1	2.7
Combined comorbidity score categories		
<=0	283,981	35.4%
1-2	264,053	32.9%
3-4	119,240	14.8%
5+	135,818	16.9%
Tobacco Use assessed from all available data up to and including the index date	348,162	43.4%
Tobacco Use: diagnosed or identified by smoking cessation procedures	346,528	43.1%
Tobacco Use: identified by the dispensing of smoking-related medications	31,587	3.9%
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of ambulatory encounters	9.3	8.2
Mean number of emergency room encounters	0.4	1.2
Mean number of inpatient hospital encounters	0.3	0.6
Mean number of non-acute institutional encounters	0.1	0.3
Mean number of other ambulatory encounters	5.7	11.5
Mean number of filled prescriptions	12.9	14.4
Mean number of generics dispensed	7.2	6.0
Mean number of unique drug classes dispensed	6.9	5.7

<sup>1</sup>Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days. The indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded. Please see the list of provider ID in Appendix D.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10. *Med Care.* 2017;55(12):1016-1024.

**Table 1p. Aggregated Characteristics of Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	39,129	N/A
Index dates <sup>4</sup>	199,147	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	57.8	13.0
Age		
0-5 years	39	0.0%
6-11 years	288	0.1%
12-17 years	1,497	0.8%
18-44 years	44,867	22.5%
45-64 years	69,332	34.8%
≥ 65 years	83,124	41.7%
Sex		
Female	35,361	90.4%
Male	3,768	9.6%
Race <sup>5</sup>		
American Indian or Alaska Native	301	0.8%
Asian	696	1.8%
Black or African American	7,624	19.5%
Multi-racial	57	0.1%
Native Hawaiian or Other Pacific Islander	63	0.2%
Unknown	10,254	26.2%
White	20,134	51.5%
Hispanic origin		
Yes	2,530	6.5%
No	28,732	73.4%
Unknown	7,867	20.1%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	30,170	15.1%
2018	30,059	15.1%
2019	31,399	15.8%
2020	31,078	15.6%
2021	30,228	15.2%
2022	21,417	10.8%
2023	20,720	10.4%
2024	4,076	2.0%

**Table 1p. Aggregated Characteristics of Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.1	1.8
Combined comorbidity score categories		
<=0	98,502	49.5%
1-2	68,901	34.6%
3-4	20,318	10.2%
5+	11,426	5.7%
Tobacco Use assessed from all available data up to and including the index date	67,623	34.0%
Tobacco Use: diagnosed or identified by smoking cessation procedures	67,144	33.7%
Tobacco Use: identified by the dispensing of smoking-related medications	6,802	3.4%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	8.1	6.6
Mean number of emergency room encounters	0.2	0.7
Mean number of inpatient hospital encounters	0.1	0.3
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.7	6.2
Mean number of filled prescriptions	10.6	11.1
Mean number of generics dispensed	6.3	5.4
Mean number of unique drug classes dispensed	6.1	5.1

<sup>1</sup>Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days. The indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>...

**Table 1q. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	124,453	N/A
Index dates <sup>4</sup>	616,051	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	57.5	13.8
Age		
0-5 years	98	0.0%
6-11 years	706	0.1%
12-17 years	3,990	0.6%
18-44 years	137,179	22.3%
45-64 years	234,663	38.1%
≥ 65 years	239,415	38.9%
Sex		
Female	112,432	90.3%
Male	12,021	9.7%
Race <sup>5</sup>		
American Indian or Alaska Native	1,031	0.8%
Asian	2,135	1.7%
Black or African American	27,096	21.8%
Multi-racial	165	0.1%
Native Hawaiian or Other Pacific Islander	191	0.2%
Unknown	26,977	21.7%
White	66,858	53.7%
Hispanic origin		
Yes	7,830	6.3%
No	97,374	78.2%
Unknown	19,249	15.5%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	121,897	19.8%
2018	158,494	25.7%
2019	125,514	20.4%
2020	88,195	14.3%
2021	69,279	11.2%
2022	46,944	7.6%
2023	5,728	0.9%
2024	0	0.0%

**Table 1q. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.9	2.5
Combined comorbidity score categories		
<=0	229,000	37.2%
1-2	203,967	33.1%
3-4	93,226	15.1%
5+	89,858	14.6%
Tobacco Use assessed from all available data up to and including the index date	252,704	41.0%
Tobacco Use: diagnosed or identified by smoking cessation procedures	250,558	40.7%
Tobacco Use: identified by the dispensing of smoking-related medications	26,830	4.4%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	10.8	11.1
Mean number of emergency room encounters	0.5	1.5
Mean number of inpatient hospital encounters	0.2	0.7
Mean number of non-acute institutional encounters	0.0	0.3
Mean number of other ambulatory encounters	8.3	15.9
Mean number of filled prescriptions	13.3	13.5
Mean number of generics dispensed	7.5	6.1
Mean number of unique drug classes dispensed	7.1	5.7

<sup>1</sup>Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1r. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	118,036	N/A
Index dates <sup>4</sup>	547,476	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	58.1	13.9
Age		
0-5 years	78	0.0%
6-11 years	637	0.1%
12-17 years	3,509	0.6%
18-44 years	118,122	21.6%
45-64 years	199,825	36.5%
≥ 65 years	225,305	41.2%
Sex		
Female	106,588	90.3%
Male	11,448	9.7%
Race <sup>5</sup>		
American Indian or Alaska Native	995	0.8%
Asian	2,032	1.7%
Black or African American	26,157	22.2%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	24,219	20.5%
White	64,288	54.5%
Hispanic origin		
Yes	7,582	6.4%
No	93,713	79.4%
Unknown	16,741	14.2%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	108,062	19.7%
2018	142,911	26.1%
2019	112,215	20.5%
2020	77,735	14.2%
2021	61,626	11.3%
2022	41,048	7.5%
2023	3,879	0.7%
2024	0	0.0%

**Table 1r. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.9	2.5
Combined comorbidity score categories		
<=0	203,202	37.1%
1-2	180,640	33.0%
3-4	83,202	15.2%
5+	80,432	14.7%
Tobacco Use assessed from all available data up to and including the index date	225,096	41.1%
Tobacco Use: diagnosed or identified by smoking cessation procedures	223,566	40.8%
Tobacco Use: identified by the dispensing of smoking-related medications	22,569	4.1%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	10.9	11.2
Mean number of emergency room encounters	0.5	1.5
Mean number of inpatient hospital encounters	0.3	0.7
Mean number of non-acute institutional encounters	0.0	0.3
Mean number of other ambulatory encounters	6.1	13.1
Mean number of filled prescriptions	12.9	13.4
Mean number of generics dispensed	7.4	6.1
Mean number of unique drug classes dispensed	7.0	5.7

<sup>1</sup>Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year. The indexing event ICD-10 code was recorded by any known provider ID. Please see the list of provider ID in Appendix C.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>3</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1s. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	111,672	N/A
Index dates <sup>4</sup>	488,582	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	58.5	13.9
Age		
0-5 years	*****	*****
6-11 years	*****	*****
12-17 years	2,942	0.6%
18-44 years	101,449	20.8%
45-64 years	175,597	35.9%
≥ 65 years	207,966	42.6%
Sex		
Female	100,854	90.3%
Male	10,818	9.7%
Race <sup>5</sup>		
American Indian or Alaska Native	887	0.8%
Asian	1,862	1.7%
Black or African American	24,767	22.2%
Multi-racial	138	0.1%
Native Hawaiian or Other Pacific Islander	167	0.1%
Unknown	22,589	20.2%
White	61,262	54.9%
Hispanic origin		
Yes	6,833	6.1%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
No	88,986	79.7%
Unknown	15,853	14.2%
Year		
2017	91,871	18.8%
2018	126,413	25.9%
2019	100,219	20.5%
2020	70,420	14.4%
2021	57,648	11.8%
2022	38,259	7.8%
2023	3,752	0.8%
2024	0	0.0%

**Table 1s. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

Health Characteristics	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	2.0	2.6
Combined comorbidity score categories		
<=0	178,638	36.6%
1-2	160,556	32.9%
3-4	74,342	15.2%
5+	75,046	15.4%
Tobacco Use assessed from all available data up to and including the index date	203,403	41.6%
Tobacco Use: diagnosed or identified by smoking cessation procedures	202,245	41.4%
Tobacco Use: identified by the dispensing of smoking-related medications	18,144	3.7%
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of ambulatory encounters	11.0	11.4
Mean number of emergency room encounters	0.5	1.5
Mean number of inpatient hospital encounters	0.3	0.7
Mean number of non-acute institutional encounters	0.0	0.3
Mean number of other ambulatory encounters	4.5	9.2
Mean number of filled prescriptions	12.5	12.9
Mean number of generics dispensed	7.2	6.0
Mean number of unique drug classes dispensed	6.9	5.6

<sup>1</sup>Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year. The indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded. Please see the list of provider ID in Appendix D.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1t. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	30,525	N/A
Index dates <sup>4</sup>	113,861	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	57.9	13.6
Age		
0-5 years	29	0.0%
6-11 years	202	0.2%
12-17 years	1,063	0.9%
18-44 years	25,246	22.2%
45-64 years	38,741	34.0%
≥ 65 years	48,580	42.7%
Sex		
Female	26,929	88.2%
Male	3,596	11.8%
Race <sup>5</sup>		
American Indian or Alaska Native	148	0.5%
Asian	615	2.0%
Black or African American	8,455	27.7%
Multi-racial	52	0.2%
Native Hawaiian or Other Pacific Islander	47	0.2%
Unknown	6,717	22.0%
White	14,491	47.5%
Hispanic origin		
Yes	1,803	5.9%
No	23,746	77.8%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unknown	4,976	16.3%
Year		
2017	22,827	20.0%
2018	27,223	23.9%
2019	23,889	21.0%
2020	17,079	15.0%
2021	13,110	11.5%
2022	8,683	7.6%
2023	1,050	0.9%
2024	0	0.0%

**Table 1t. Aggregated Characteristics of Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.1	1.9
Combined comorbidity score categories		
<=0	56,773	49.9%
1-2	37,448	32.9%
3-4	12,263	10.8%
5+	7,377	6.5%
Tobacco Use assessed from all available data up to and including the index date	45,262	39.8%
Tobacco Use: diagnosed or identified by smoking cessation procedures	44,861	39.4%
Tobacco Use: identified by the dispensing of smoking-related medications	4,773	4.2%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	8.8	8.1
Mean number of emergency room encounters	0.2	0.7
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.7	6.6
Mean number of filled prescriptions	10.8	11.2
Mean number of generics dispensed	6.5	5.5
Mean number of unique drug classes dispensed	6.2	5.2

<sup>1</sup>Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year. The indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the

**Table 1u. Aggregated Characteristics of Patients with Mixed Cutaneous Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	56,498	N/A
Index dates <sup>4</sup>	424,350	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	61.3	14.0
Age		
0-5 years	388	0.1%
6-11 years	1,081	0.3%
12-17 years	2,845	0.7%
18-44 years	72,226	17.0%
45-64 years	132,084	31.1%
≥ 65 years	215,726	50.8%
Sex		
Female	47,591	84.2%
Male	8,907	15.8%
Race <sup>5</sup>		
American Indian or Alaska Native	308	0.5%
Asian	814	1.4%
Black or African American	9,088	16.1%
Multi-racial	80	0.1%
Native Hawaiian or Other Pacific Islander	84	0.1%
Unknown	12,956	22.9%
White	33,168	58.7%
Hispanic origin		
Yes	2,453	4.3%
No	43,466	76.9%
Unknown	10,579	18.7%
Year		
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
2017	86,934	20.5%
2018	87,057	20.5%
2019	71,618	16.9%
2020	58,930	13.9%
2021	51,627	12.2%
2022	39,102	9.2%
2023	26,081	6.1%

**Table 1u. Aggregated Characteristics of Patients with Mixed Cutaneous Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

2024	3,001	0.7%
Health Characteristics	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.6	2.4
Combined comorbidity score categories		
<=0	187,513	44.2%
1-2	132,903	31.3%
3-4	53,742	12.7%
5+	50,192	11.8%
Tobacco Use assessed from all available data up to and including the index date	181,264	42.7%
Tobacco Use: diagnosed or identified by smoking cessation procedures	179,504	42.3%
Tobacco Use: identified by the dispensing of smoking-related medications	20,040	4.7%
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of ambulatory encounters	10.0	10.1
Mean number of emergency room encounters	0.4	1.3
Mean number of inpatient hospital encounters	0.2	0.6
Mean number of non-acute institutional encounters	0.0	0.2
Mean number of other ambulatory encounters	7.0	14.9
Mean number of filled prescriptions	11.8	12.6
Mean number of generics dispensed	6.8	5.8
Mean number of unique drug classes dispensed	6.5	5.4

<sup>1</sup>Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1v. Aggregated Characteristics of Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	54,432	N/A
Index dates <sup>4</sup>	383,970	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	61.8	13.9
Age		
0-5 years	305	0.1%
6-11 years	1,017	0.3%
12-17 years	2,578	0.7%
18-44 years	63,309	16.5%
45-64 years	110,687	28.8%
≥ 65 years	206,074	53.7%
Sex		
Female	45,869	84.3%
Male	8,563	15.7%
Race <sup>5</sup>		
American Indian or Alaska Native	*****	*****
Asian	789	1.4%
Black or African American	8,861	16.3%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	11,914	21.9%
White	32,408	59.5%
Hispanic origin		
Yes	2,414	4.4%
No	42,445	78.0%
Unknown	9,573	17.6%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	77,579	20.2%
2018	78,763	20.5%
2019	65,486	17.1%
2020	53,042	13.8%
2021	47,323	12.3%
2022	35,907	9.4%
2023	23,564	6.1%
2024	2,306	0.6%

**Table 1v. Aggregated Characteristics of Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

Health Characteristics	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.6	2.4
Combined comorbidity score categories		
<=0	169,407	44.1%
1-2	119,199	31.0%
3-4	49,514	12.9%
5+	45,850	11.9%
Tobacco Use assessed from all available data up to and including the index date	164,416	42.8%
Tobacco Use: diagnosed or identified by smoking cessation procedures	163,155	42.5%
Tobacco Use: identified by the dispensing of smoking-related medications	15,804	4.1%
Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)	Number/Mean	Percent/ Standard Deviation <sup>3</sup>
Mean number of ambulatory encounters	9.9	9.9
Mean number of emergency room encounters	0.4	1.3
Mean number of inpatient hospital encounters	0.2	0.7
Mean number of non-acute institutional encounters	0.0	0.2
Mean number of other ambulatory encounters	5.2	11.8
Mean number of filled prescriptions	11.3	12.4
Mean number of generics dispensed	6.7	5.7
Mean number of unique drug classes dispensed	6.4	5.3

<sup>1</sup>Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index. The indexing event ICD-10 code was recorded by any known provider ID. Please see the list of provider ID in Appendix C.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1w. Aggregated Characteristics of Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	51,712	N/A
Index dates <sup>4</sup>	344,890	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	62.3	14.0
Age		
0-5 years	240	0.1%
6-11 years	873	0.3%
12-17 years	2,164	0.6%
18-44 years	54,518	15.8%
45-64 years	97,819	28.4%
≥ 65 years	189,276	54.9%
Sex		
Female	43,607	84.3%
Male	8,105	15.7%
Race <sup>5</sup>		
American Indian or Alaska Native	280	0.5%
Asian	735	1.4%
Black or African American	8,372	16.2%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	11,266	21.8%
White	30,913	59.8%
Hispanic origin		
Yes	2,195	4.2%
No	40,373	78.1%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unknown	9,144	17.7%
Year		
2017	66,867	19.4%
2018	69,892	20.3%
2019	58,945	17.1%
2020	48,456	14.0%
2021	43,455	12.6%
2022	33,201	9.6%
2023	21,856	6.3%
2024	2,218	0.6%

**Table 1w. Aggregated Characteristics of Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.6	2.4
Combined comorbidity score categories		
<=0	151,265	43.9%
1-2	106,818	31.0%
3-4	44,411	12.9%
5+	42,396	12.3%
Tobacco Use assessed from all available data up to and including the index date	149,342	43.3%
Tobacco Use: diagnosed or identified by smoking cessation procedures	148,544	43.1%
Tobacco Use: identified by the dispensing of smoking-related medications	13,604	3.9%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	10.0	10.0
Mean number of emergency room encounters	0.3	1.3
Mean number of inpatient hospital encounters	0.2	0.7
Mean number of non-acute institutional encounters	0.0	0.2
Mean number of other ambulatory encounters	4.1	9.0
Mean number of filled prescriptions	11.1	12.2
Mean number of generics dispensed	6.6	5.7
Mean number of unique drug classes dispensed	6.3	5.3

<sup>1</sup>Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index. The indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded. Please see the list of provider ID in Appendix D.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1x. Aggregated Characteristics of Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	31,012	N/A
Index dates <sup>4</sup>	143,253	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	62.9	13.1
Age		
0-5 years	152	0.1%
6-11 years	575	0.4%
12-17 years	1,180	0.8%
18-44 years	20,325	14.2%
45-64 years	38,202	26.7%
≥ 65 years	82,819	57.8%
Sex		
Female	25,489	82.2%
Male	5,523	17.8%
Race <sup>5</sup>		
American Indian or Alaska Native	102	0.3%
Asian	448	1.4%
Black or African American	4,594	14.8%
Multi-racial	46	0.1%
Native Hawaiian or Other Pacific Islander	42	0.1%
Unknown	6,631	21.4%
White	19,149	61.7%
Hispanic origin		
Yes	1,050	3.4%
No	24,322	78.4%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unknown	5,640	18.2%
Year		
2017	26,868	18.8%
2018	26,922	18.8%
2019	24,714	17.3%
2020	21,021	14.7%
2021	18,620	13.0%
2022	14,439	10.1%
2023	9,552	6.7%
2024	1,117	0.8%

**Table 1x. Aggregated Characteristics of Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.0	1.9
Combined comorbidity score categories		
<=0	77,384	54.0%
1-2	43,973	30.7%
3-4	13,546	9.5%
5+	8,350	5.8%
Tobacco Use assessed from all available data up to and including the index date	58,065	40.5%
Tobacco Use: diagnosed or identified by smoking cessation procedures	57,664	40.3%
Tobacco Use: identified by the dispensing of smoking-related medications	5,690	4.0%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	8.4	7.1
Mean number of emergency room encounters	0.2	0.7
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.4	5.2
Mean number of filled prescriptions	9.6	10.3
Mean number of generics dispensed	6.0	5.3
Mean number of unique drug classes dispensed	5.7	4.9

<sup>1</sup>Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index. The indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

**Table 1y. Aggregated Characteristics of Patients with Chilblains with evidence of Systemic Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	2,821	N/A
Index dates <sup>4</sup>	9,172	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	54.4	15.0
Age		
0-5 years	*****	*****
6-11 years	*****	*****
12-17 years	289	3.2%
18-44 years	2,916	31.8%
45-64 years	2,295	25.0%
≥ 65 years	3,650	39.8%
Sex		
Female	2,514	89.1%
Male	307	10.9%
Race <sup>5</sup>		
American Indian or Alaska Native	*****	*****
Asian	109	3.9%
Black or African American	179	6.3%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	900	31.9%
White	1,611	57.1%
Hispanic origin		
Yes	106	3.8%
No	1,914	67.8%
Unknown	801	28.4%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	770	8.4%
2018	992	10.8%
2019	1,098	12.0%
2020	1,280	14.0%
2021	1,827	19.9%
2022	1,434	15.6%
2023	1,409	15.4%
2024	362	3.9%

**Table 1y. Aggregated Characteristics of Patients with Chilblains with evidence of Systemic Lupus Erythematosus<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>o</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.1	1.7
Combined comorbidity score categories		
<=0	4,650	50.7%
1-2	3,139	34.2%
3-4	906	9.9%
5+	477	5.2%
Tobacco Use assessed from all available data up to and including the index date	2,670	29.1%
Tobacco Use: diagnosed or identified by smoking cessation procedures	2,661	29.0%
Tobacco Use: identified by the dispensing of smoking-related medications	181	2.0%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	8.6	7.1
Mean number of emergency room encounters	0.2	0.6
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.8	5.5
Mean number of filled prescriptions	8.6	9.1
Mean number of generics dispensed	5.6	5.1
Mean number of unique drug classes dispensed	5.3	4.8

<sup>1</sup>Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.”

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1z. Aggregated Characteristics of Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	2,715	N/A
Index dates <sup>4</sup>	8,534	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	55.3	15.0
Age		
0-5 years	*****	*****
6-11 years	*****	*****
12-17 years	239	2.8%
18-44 years	2,594	30.4%
45-64 years	2,082	24.4%
≥ 65 years	3,597	42.1%
Sex		
Female	*****	*****
Male	*****	*****
Race <sup>5</sup>		
American Indian or Alaska Native	*****	*****
Asian	*****	*****
Black or African American	*****	*****
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	840	30.9%
White	1,578	58.1%
Hispanic origin		
Yes	*****	*****
No	1,868	68.8%
Unknown	*****	*****
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	695	8.1%
2018	931	10.9%
2019	1,042	12.2%
2020	1,190	13.9%
2021	1,692	19.8%
2022	1,348	15.8%
2023	1,316	15.4%
2024	320	3.7%

**Table 1z. Aggregated Characteristics of Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.1	1.8
Combined comorbidity score categories		
<=0	4,259	49.9%
1-2	2,955	34.6%
3-4	867	10.2%
5+	453	5.3%
Tobacco Use assessed from all available data up to and including the index date	2,567	30.1%
Tobacco Use: diagnosed or identified by smoking cessation procedures	2,558	30.0%
Tobacco Use: identified by the dispensing of smoking-related medications	177	2.1%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	8.7	7.2
Mean number of emergency room encounters	0.2	0.6
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.8	5.2
Mean number of filled prescriptions	8.6	9.1
Mean number of generics dispensed	5.6	5.1
Mean number of unique drug classes dispensed	5.4	4.8

<sup>1</sup>Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day. The indexing event ICD-10 code was recorded by any known provider ID. Please see the list of provider ID in Appendix C.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of index dates per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1aa. Aggregated Characteristics of Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	2,573	N/A
Index dates <sup>4</sup>	7,875	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	55.7	15.1
Age		
0-5 years	*****	*****
6-11 years	*****	*****
12-17 years	216	2.7%
18-44 years	2,312	29.4%
45-64 years	1,941	24.6%
≥ 65 years	3,387	43.0%
Sex		
Female	2,287	88.9%
Male	286	11.1%
Race <sup>5</sup>		
American Indian or Alaska Native	*****	*****
Asian	*****	*****
Black or African American	161	6.3%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	785	30.5%
White	1,511	58.7%
Hispanic origin		
Yes	*****	*****
No	1,781	69.2%
Unknown	*****	*****
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Year		
2017	643	8.2%
2018	854	10.8%
2019	953	12.1%
2020	1,095	13.9%
2021	1,577	20.0%
2022	1,228	15.6%
2023	1,228	15.6%
2024	297	3.8%

**Table 1aa. Aggregated Characteristics of Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.1	1.8
Combined comorbidity score categories		
<=0	3,902	49.5%
1-2	2,739	34.8%
3-4	813	10.3%
5+	421	5.3%
Tobacco Use assessed from all available data up to and including the index date	2,404	30.5%
Tobacco Use: diagnosed or identified by smoking cessation procedures	2,399	30.5%
Tobacco Use: identified by the dispensing of smoking-related medications	158	2.0%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	8.8	7.2
Mean number of emergency room encounters	0.2	0.6
Mean number of inpatient hospital encounters	0.1	0.4
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.7	5.0
Mean number of filled prescriptions	8.7	9.1
Mean number of generics dispensed	5.6	5.1
Mean number of unique drug classes dispensed	5.4	4.8

<sup>1</sup>Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day. The indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded. Please see the list of provider ID in Appendix D.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of episodes per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 1ab. Aggregated Characteristics of Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Patient Characteristics<sup>2</sup></b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unique patients	1,823	N/A
Index dates <sup>4</sup>	5,134	100.0%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Age (years)	54.4	15.0
Age		
0-5 years	*****	*****
6-11 years	*****	*****
12-17 years	*****	*****
18-44 years	1,627	31.7%
45-64 years	1,267	24.7%
≥ 65 years	2,078	40.5%
Sex		
Female	1,617	88.7%
Male	206	11.3%
Race <sup>5</sup>		
American Indian or Alaska Native	*****	*****
Asian	81	4.4%
Black or African American	121	6.6%
Multi-racial	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****
Unknown	568	31.2%
White	1,040	57.0%
Hispanic origin		
Yes	74	4.1%
No	1,250	68.6%
<b>Demographic Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Unknown	499	27.4%
Year		
2017	426	8.3%
2018	569	11.1%
2019	621	12.1%
2020	710	13.8%
2021	998	19.4%
2022	787	15.3%
2023	820	16.0%
2024	203	4.0%

**Table 1ab. Aggregated Characteristics of Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

<b>Health Characteristics</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Combined comorbidity score <sup>6</sup> from 90 days prior to the index date through the index date (inclusive) <sup>7</sup>	1.0	1.6
Combined comorbidity score categories		
<=0	2,708	52.7%
1-2	1,759	34.3%
3-4	464	9.0%
5+	203	4.0%
Tobacco Use assessed from all available data up to and including the index date	1,429	27.8%
Tobacco Use: diagnosed or identified by smoking cessation procedures	1,426	27.8%
Tobacco Use: identified by the dispensing of smoking-related medications	94	1.8%
<b>Health Service Utilization Intensity Metrics from 90 days prior to the index date through the index date (inclusive)</b>	<b>Number/Mean</b>	<b>Percent/ Standard Deviation<sup>3</sup></b>
Mean number of ambulatory encounters	8.4	6.8
Mean number of emergency room encounters	0.2	0.6
Mean number of inpatient hospital encounters	0.1	0.3
Mean number of non-acute institutional encounters	0.0	0.1
Mean number of other ambulatory encounters	2.4	3.9
Mean number of filled prescriptions	8.6	8.8
Mean number of generics dispensed	5.6	5.0
Mean number of unique drug classes dispensed	5.4	4.7

<sup>1</sup>Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day. The indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>All metrics are based on total number of episodes per group, except for sex, race, and Hispanic origin which are based on total number of unique patients.

<sup>3</sup>Value represents standard deviation where no % follows the value.

<sup>4</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>5</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>6</sup>Gagne JJ, Glynn RJ, Avorn J, Levin R, Schneeweiss S. A combined comorbidity score predicted mortality in elderly patients better than existing scores. *J Clin Epidemiol.* 2011;64(7):749-759. Sun JW, Rogers JR, Her Q, Welch EC, Panozzo CA, Toh S, Gagne JJ. Adaptation and validation of the combined comorbidity score for ICD-10-CM. *Med Care.* 2017;55(12):1046-1051.

<sup>7</sup>Charlson/Elixhauser combined comorbidity score is calculated based on comorbidities observed during a requester-defined window around the index date.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 2. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Number of Patients	Number of Index Dates <sup>2</sup>	Number of Eligible Members <sup>3</sup>	Total Eligible Member-Days <sup>3</sup>	Total Eligible Member-Years <sup>3</sup>	Number of Patients per 100,000 Eligible Members <sup>3</sup>
<i>Patients with Discoid Lupus Erythematosus</i>	290,779	1,401,592	272,069,677	297319853456	814,017,394.8	106.88
<i>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</i>	269,940	1,228,638	272,069,677	297319853456	814,017,394.8	99.22
<i>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	247,560	1,082,824	272,069,677	297319853456	814,017,394.8	90.99
<i>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	75,541	276,546	272,069,677	297319853456	814,017,394.8	27.77
<i>Patients with Subacute Cutaneous Lupus Erythematosus</i>	49,024	210,474	272,069,677	297319853456	814,017,394.8	18.02
<i>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider</i>	46,150	194,380	272,069,677	297319853456	814,017,394.8	16.96
<i>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	42,281	175,902	272,069,677	297319853456	814,017,394.8	15.54
<i>Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	26,677	101,136	272,069,677	297319853456	814,017,394.8	9.81
<i>Patients with Other Lupus</i>	92,422	395,094	272,069,677	297319853456	814,017,394.8	33.97
<i>Patients with Other Lupus Erythematosus Coded by Any Known Provider</i>	85,712	342,582	272,069,677	297319853456	814,017,394.8	31.50
<i>Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	76,944	287,959	272,069,677	297319853456	814,017,394.8	28.28
<i>Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist</i>	31,862	101,347	272,069,677	297319853456	814,017,394.8	11.71

**Table 2. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Number of Patients	Number of Index Dates <sup>2</sup>	Number of Eligible Members <sup>3</sup>	Total Eligible Member-Days <sup>3</sup>	Total Eligible Member-Years <sup>3</sup>	Number of Patients per 100,000 Eligible Members <sup>3</sup>
<i>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus</i>	123,721	1,059,009	272,069,677	297319853456	814,017,394.8	45.47
<i>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any Known</i>	116,140	903,567	272,069,677	297319853456	814,017,394.8	42.69
<i>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown</i>	109,475	803,092	272,069,677	297319853456	814,017,394.8	40.24
<i>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	39,129	199,147	272,069,677	297319853456	814,017,394.8	14.38
<i>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus</i>	124,453	616,051	272,069,677	297319853456	814,017,394.8	45.74
<i>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider</i>	118,036	547,476	272,069,677	297319853456	814,017,394.8	43.38
<i>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	111,672	488,582	272,069,677	297319853456	814,017,394.8	41.05

**Table 2. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Number of Patients	Number of Index Dates <sup>2</sup>	Number of Eligible Members <sup>3</sup>	Total Eligible Member-Days <sup>3</sup>	Total Eligible Member-Years <sup>3</sup>	Number of Patients per 100,000 Eligible Members <sup>3</sup>
<i>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	30,525	113,861	272,069,677	297319853456	814,017,394.8	11.22
<i>Patients with Mixed Cutaneous Lupus Erythematosus</i>	56,498	424,350	272,069,677	297319853456	814,017,394.8	20.77
<i>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</i>	54,432	383,970	272,069,677	297319853456	814,017,394.8	20.01
<i>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	51,712	344,890	272,069,677	297319853456	814,017,394.8	19.01
<i>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	31,012	143,253	272,069,677	297319853456	814,017,394.8	11.40
<i>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</i>	2,821	9,172	272,069,677	297319853456	814,017,394.8	1.04
<i>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider</i>	2,715	8,534	272,069,677	297319853456	814,017,394.8	1.00
<i>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	2,573	7,875	272,069,677	297319853456	814,017,394.8	0.95
<i>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	1,823	5,134	272,069,677	297319853456	814,017,394.8	0.67

**Table 2. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Number of Patients	Number of Index Dates <sup>2</sup>	Number of Eligible Members <sup>3</sup>	Total Eligible Member-Days <sup>3</sup>	Total Eligible Member-Years <sup>3</sup>	Number of Patients per 100,000 Eligible Members <sup>3</sup>
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- <sup>1</sup>- Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.  
 - Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.  
 - Other lupus erythematosus, defined by ICD-10 code L93.2.  
 - Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.  
 - Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.  
 - Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.  
 - Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.  
 - We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D, and E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>3</sup>Eligible Members, Member-Days, and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period. Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study.

<sup>4</sup>Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment.

**Table 2. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>Patients with Discoid Lupus Erythematosus</i>	35.72 (35.59, 35.85)	1,289,203,028	4,434	5
<i>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</i>	33.16 (33.04, 33.29)	1,151,570,672	4,266	5
<i>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	30.41 (30.29, 30.53)	1,019,508,696	4,118	4
<i>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	9.28 (9.21, 9.35)	267,465,615	3,541	4
<i>Patients with Subacute Cutaneous Lupus Erythematosus</i>	6.02 (5.97, 6.08)	194,721,431	3,972	4
<i>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider</i>	5.67 (5.62, 5.72)	181,335,601	3,929	4
<i>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	5.19 (5.14, 5.24)	164,019,031	3,879	4
<i>Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	3.28 (3.24, 3.32)	98,628,653	3,697	4
<i>Patients with Other Lupus Erythematosus</i>	11.35 (11.28, 11.43)	358,974,483	3,884	4
<i>Patients with Other Lupus Erythematosus Coded by Any Known Provider</i>	10.53 (10.46, 10.60)	314,940,700	3,674	4
<i>Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	9.45 (9.39, 9.52)	267,380,833	3,475	4
<i>Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist</i>	3.91 (3.87, 3.96)	95,670,396	3,003	3

**Table 2. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus</i>	15.20 (15.11, 15.28)	909,203,682	7,349	9
<i>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any Known Provider</i>	14.27 (14.19, 14.35)	794,631,878	6,842	8
<i>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	13.45 (13.37, 13.53)	708,327,664	6,470	7
<i>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	4.81 (4.76, 4.85)	188,837,747	4,826	5
<i>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus</i>	15.29 (15.20, 15.37)	798,609,443	6,417	5
<i>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider</i>	14.50 (14.42, 14.58)	717,044,431	6,075	5
<i>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	13.72 (13.64, 13.80)	643,105,747	5,759	4

**Table 2. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	3.75 (3.71, 3.79)	152,375,162	4,992	4
<i>Patients with Mixed Cutaneous Lupus Erythematosus</i>	6.94 (6.88, 7.00)	496,289,244	8,784	8
<i>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</i>	6.69 (6.63, 6.74)	451,900,007	8,302	7
<i>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	6.35 (6.30, 6.41)	406,178,414	7,855	7
<i>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	3.81 (3.77, 3.85)	170,920,013	5,511	5
<i>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</i>	0.35 (0.33, 0.36)	8,271,501	2,932	3
<i>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider</i>	0.33 (0.32, 0.35)	7,749,795	2,854	3
<i>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</i>	0.32 (0.30, 0.33)	7,177,700	2,790	3
<i>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</i>	0.22 (0.21, 0.23)	4,709,008	2,583	3

**Table 2. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
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<sup>1</sup>- Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

- Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

- Other lupus erythematosus, defined by ICD-10 code L93.2.

- Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

- Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

- Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

- Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

- We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D, and E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>3</sup>Eligible Members, Member-Days, and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period. Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study.

<sup>4</sup>Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment.

**Table 3. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Sex**

	Number of Patients per Sex Category	Number of Index Dates <sup>2</sup> per Sex Category	Number of Eligible Members <sup>3</sup> per Sex Category	Total Eligible Member-Days <sup>3</sup> per Sex Category	Total Eligible Member-Years <sup>3</sup> per Sex Category	Number of Patients per 100,000 Eligible Members <sup>3</sup>
<b>Patients with Discoid Lupus Erythematosus</b>						
Female	248,928	1,211,546	141,764,254	156620119073	428,802,516.3	175.59
Male	41,851	190,046	130,305,423	140699734383	385,214,878.5	32.12
<b>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</b>						
Female	231,489	1,061,316	141,764,254	156620119073	428,802,516.3	163.29
Male	38,451	167,322	130,305,423	140699734383	385,214,878.5	29.51
<b>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>						
Female	212,975	936,166	141,764,254	156620119073	428,802,516.3	150.23
Male	34,585	146,658	130,305,423	140699734383	385,214,878.5	26.54
<b>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>						
Female	62,039	230,945	141,764,254	156620119073	428,802,516.3	43.76
Male	13,502	45,601	130,305,423	140699734383	385,214,878.5	10.36
<b>Patients with Subacute Cutaneous Lupus Erythematosus</b>						
Female	39,858	172,040	141,764,254	156620119073	428,802,516.3	28.12
Male	9,166	38,434	130,305,423	140699734383	385,214,878.5	7.03
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>						
Female	37,547	158,757	141,764,254	156620119073	428,802,516.3	26.49
Male	8,603	35,623	130,305,423	140699734383	385,214,878.5	6.60
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>						
Female	34,468	143,667	141,764,254	156620119073	428,802,516.3	24.31
Male	7,813	32,235	130,305,423	140699734383	385,214,878.5	6.00
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>						
Female	21,635	82,094	141,764,254	156620119073	428,802,516.3	15.26
Male	5,042	19,042	130,305,423	140699734383	385,214,878.5	3.87
<b>Patients with Other Lupus Erythematosus</b>						
Female	76,960	336,736	141,764,254	156620119073	428,802,516.3	54.29
Male	15,462	58,358	130,305,423	140699734383	385,214,878.5	11.87
<b>Patients with Other Lupus Erythematosus Coded by Any Known Provider</b>						
Female	71,392	292,093	141,764,254	156620119073	428,802,516.3	50.36
Male	14,320	50,489	130,305,423	140699734383	385,214,878.5	10.99
<b>Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>						
Female	64,267	243,532	141,764,254	156620119073	428,802,516.3	45.33
Male	12,677	44,427	130,305,423	140699734383	385,214,878.5	9.73

**Table 3. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Sex**

	Number of Patients per Sex Category	Number of Index Dates <sup>2</sup> per Sex Category	Number of Eligible Members <sup>3</sup> per Sex Category	Total Eligible Member-Days <sup>3</sup> per Sex Category	Total Eligible Member-Years <sup>3</sup> per Sex Category	Number of Patients per 100,000 Eligible Members <sup>3</sup>
<b>Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist</b>						
Female	25,986	83,731	141,764,254	156620119073	428,802,516.3	18.33
Male	5,876	17,616	130,305,423	140699734383	385,214,878.5	4.51
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus</b>						
Female	109,732	961,392	141,764,254	156620119073	428,802,516.3	77.40
Male	13,989	97,617	130,305,423	140699734383	385,214,878.5	10.74
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any</b>						
Female	103,234	819,813	141,764,254	156620119073	428,802,516.3	72.82
Male	12,906	83,754	130,305,423	140699734383	385,214,878.5	9.90
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider</b>						
Female	97,578	728,173	141,764,254	156620119073	428,802,516.3	68.83
Male	11,897	74,919	130,305,423	140699734383	385,214,878.5	9.13
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a</b>						
Female	35,361	181,617	141,764,254	156620119073	428,802,516.3	24.94
Male	3,768	17,530	130,305,423	140699734383	385,214,878.5	2.89
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus</b>						
Female	112,432	554,622	141,764,254	156620119073	428,802,516.3	79.31
Male	12,021	61,429	130,305,423	140699734383	385,214,878.5	9.23
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider</b>						
Female	106,588	494,055	141,764,254	156620119073	428,802,516.3	75.19
Male	11,448	53,421	130,305,423	140699734383	385,214,878.5	8.79
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>						
Female	100,854	440,186	141,764,254	156620119073	428,802,516.3	71.14
Male	10,818	48,396	130,305,423	140699734383	385,214,878.5	8.30
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>						
Female	26,929	100,577	141,764,254	156620119073	428,802,516.3	19.00
Male	3,596	13,284	130,305,423	140699734383	385,214,878.5	2.76
<b>Patients with Mixed Cutaneous Lupus Erythematosus</b>						
Female	47,591	358,962	141,764,254	156620119073	428,802,516.3	33.57
Male	8,907	65,388	130,305,423	140699734383	385,214,878.5	6.84
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>						
Female	45,869	324,629	141,764,254	156620119073	428,802,516.3	32.36
Male	8,563	59,341	130,305,423	140699734383	385,214,878.5	6.57

**Table 3. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Sex**

	Number of Patients per Sex Category	Number of Index Dates <sup>2</sup> per Sex Category	Number of Eligible Members <sup>3</sup> per Sex Category	Total Eligible Member-Days <sup>3</sup> per Sex Category	Total Eligible Member-Years <sup>3</sup> per Sex Category	Number of Patients per 100,000 Eligible Members <sup>3</sup>
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>						
Female	43,607	290,993	141,764,254	156620119073	428,802,516.3	30.76
Male	8,105	53,897	130,305,423	140699734383	385,214,878.5	6.22
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>						
Female	25,489	118,580	141,764,254	156620119073	428,802,516.3	17.98
Male	5,523	24,673	130,305,423	140699734383	385,214,878.5	4.24
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</b>						
Female	2,514	8,150	141,764,254	156620119073	428,802,516.3	1.77
Male	307	1,022	130,305,423	140699734383	385,214,878.5	0.24
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider</b>						
Female	*****	*****	141,764,254	156620119073	428,802,516.3	*****
Male	*****	*****	130,305,423	140699734383	385,214,878.5	*****

**Table 3. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Sex**

	Number of Patients per Sex Category	Number of Index Dates <sup>2</sup> per Sex Category	Number of Eligible Members <sup>3</sup> per Sex Category	Total Eligible Member-Days <sup>3</sup> per Sex Category	Total Eligible Member-Years <sup>3</sup> per Sex Category	Number of Patients per 100,000 Eligible Members <sup>3</sup>
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>						
Female	2,287	6,992	141,764,254	156620119073	428,802,516.3	1.61
Male	286	883	130,305,423	140699734383	385,214,878.5	0.22
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>						
Female	1,617	4,566	141,764,254	156620119073	428,802,516.3	1.14
Male	206	568	130,305,423	140699734383	385,214,878.5	0.16

<sup>1</sup>- Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

- Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

- Other lupus erythematosus, defined by ICD-10 code L93.2.

- Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

- Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

- Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

- Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

- We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D, and E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>3</sup>Eligible Members, Member-Days, and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period. Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study.

<sup>4</sup>Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 3. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Sex**

	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Discoid Lupus Erythematosus</b>				
Female	58.05 (57.82, 58.28)	1,117,682,395	4,490	5
Male	10.86 (10.76, 10.97)	171,520,633	4,098	5
<b>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</b>				
Female	53.98 (53.77, 54.21)	999,017,325	4,316	5
Male	9.98 (9.88, 10.08)	152,553,347	3,967	4
<b>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>				
Female	49.67 (49.46, 49.88)	885,079,198	4,156	4
Male	8.98 (8.88, 9.07)	134,429,498	3,887	4
<b>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>				
Female	14.47 (14.35, 14.58)	223,769,627	3,607	4
Male	3.51 (3.45, 3.56)	43,695,988	3,236	3
<b>Patients with Subacute Cutaneous Lupus Erythematosus</b>				
Female	9.30 (9.20, 9.39)	159,431,188	4,000	4
Male	2.38 (2.33, 2.43)	35,290,243	3,850	4
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>				
Female	8.76 (8.67, 8.85)	148,309,406	3,950	4
Male	2.23 (2.19, 2.28)	33,026,195	3,839	4
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>				
Female	8.04 (7.95, 8.12)	134,368,859	3,898	4
Male	2.03 (1.98, 2.07)	29,650,172	3,795	4
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>				
Female	5.05 (4.98, 5.11)	80,542,839	3,723	4
Male	1.31 (1.27, 1.35)	18,085,814	3,587	4
<b>Patients with Other Lupus Erythematosus</b>				
Female	17.95 (17.82, 18.07)	307,009,424	3,989	4
Male	4.01 (3.95, 4.08)	51,965,059	3,361	4
<b>Patients with Other Lupus Erythematosus Coded by Any Known Provider</b>				
Female	16.65 (16.53, 16.77)	270,030,259	3,782	4
Male	3.72 (3.66, 3.78)	44,910,441	3,136	4
<b>Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>				
Female	14.99 (14.87, 15.10)	227,673,809	3,543	4
Male	3.29 (3.23, 3.35)	39,707,024	3,132	4

**Table 3. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Sex**

	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist</b>				
Female	6.06 (5.99, 6.13)	79,197,328	3,048	3
Male	1.53 (1.49, 1.56)	16,473,068	2,803	3
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus</b>				
Female	25.59 (25.44, 25.74)	827,917,003	7,545	9
Male	3.63 (3.57, 3.69)	81,286,679	5,811	7
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any</b>				
Female	24.07 (23.93, 24.22)	723,053,427	7,004	8
Male	3.35 (3.29, 3.41)	71,578,451	5,546	6
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by</b>				
Female	22.76 (22.61, 22.90)	644,006,126	6,600	7
Male	3.09 (3.03, 3.14)	64,321,538	5,407	6
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a</b>				
Female	8.25 (8.16, 8.33)	171,938,409	4,862	5
Male	0.98 (0.95, 1.01)	16,899,338	4,485	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus</b>				
Female	26.22 (26.07, 26.37)	718,619,122	6,392	5
Male	3.12 (3.07, 3.18)	79,990,321	6,654	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider</b>				
Female	24.86 (24.71, 25.01)	646,724,073	6,068	5
Male	2.97 (2.92, 3.03)	70,320,358	6,143	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>				
Female	23.52 (23.38, 23.67)	579,271,849	5,744	4
Male	2.81 (2.76, 2.86)	63,833,898	5,901	4
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>				
Female	6.28 (6.21, 6.36)	134,349,104	4,989	4
Male	0.93 (0.90, 0.96)	18,026,058	5,013	4
<b>Patients with Mixed Cutaneous Lupus Erythematosus</b>				
Female	11.10 (11.00, 11.20)	422,823,184	8,885	8
Male	2.31 (2.26, 2.36)	73,466,060	8,248	7
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>				
Female	10.70 (10.60, 10.80)	384,952,271	8,392	7
Male	2.22 (2.18, 2.27)	66,947,736	7,818	7

**Table 3. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Sex**

	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>				
Female	10.17 (10.07, 10.27)	345,513,716	7,923	7
Male	2.10 (2.06, 2.15)	60,664,698	7,485	7
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>				
Female	5.94 (5.87, 6.02)	142,134,458	5,576	5
Male	1.43 (1.40, 1.47)	28,785,555	5,212	4
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</b>				
Female	0.59 (0.56, 0.61)	7,345,207	2,922	3
Male	0.08 (0.07, 0.09)	926,294	3,017	3
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider</b>				
Female	*****	6,877,094	*****	*****
Male	*****	872,701	*****	*****

**Table 3. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Sex**

	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>				
Female	0.53 (0.51, 0.56)	6,387,220	2,793	3
Male	0.07 (0.07, 0.08)	790,480	2,764	3
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>				
Female	0.38 (0.36, 0.40)	4,200,153	2,597	3
Male	0.05 (0.05, 0.06)	508,855	2,470	3

<sup>1</sup> - Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

- Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

- Other lupus erythematosus, defined by ICD-10 code L93.2.

- Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

- Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

- Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

- Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

- We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D, and E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup> Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>3</sup> Eligible Members, Member-Days, and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period. Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study.

<sup>4</sup> Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 4. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group**

	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Discoid Lupus Erythematosus</b>										
0-5 years	549	1,632	32,013,814	23,354,272,360	63,940,513.0	1.71	0.86 (0.79, 0.93)	1,360,402	2,478	3
6-11 years	858	2,713	33,794,208	25,334,350,579	69,361,671.7	2.54	1.24 (1.16, 1.32)	2,332,181	2,718	3
12-17 years	3,032	9,281	33,343,996	24,730,077,450	67,707,262.0	9.09	4.48 (4.32, 4.64)	7,739,050	2,552	3
18-44 years	71,765	289,450	100,551,500	80,179,218,420	219,518,736.3	71.37	32.69 (32.45, 32.93)	244,889,398	3,412	4
45-64 years	107,934	518,795	58,902,489	56,583,980,639	154,918,495.9	183.24	69.67 (69.26, 70.09)	464,709,025	4,305	5
≥ 65 years	116,128	579,721	62,632,907	87,137,954,008	238,570,716.0	185.41	48.68 (48.40, 48.96)	568,172,972	4,893	5
<b>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</b>										
0-5 years	511	1,399	32,013,814	23,354,272,360	63,940,513.0	1.60	0.80 (0.73, 0.87)	1,227,738	2,403	3
6-11 years	779	2,355	33,794,208	25,334,350,579	69,361,671.7	2.31	1.12 (1.05, 1.20)	2,028,054	2,603	3
12-17 years	2,733	8,164	33,343,996	24,730,077,450	67,707,262.0	8.20	4.04 (3.89, 4.19)	6,714,189	2,457	3
18-44 years	64,971	248,470	100,551,500	80,179,218,420	219,518,736.3	64.61	29.60 (29.37, 29.83)	210,485,665	3,240	4
45-64 years	98,188	431,979	58,902,489	56,583,980,639	154,918,495.9	166.70	63.38 (62.99, 63.78)	394,679,782	4,020	4
≥ 65 years	111,519	536,271	62,632,907	87,137,954,008	238,570,716.0	178.05	46.74 (46.47, 47.02)	536,435,244	4,810	5
<b>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
0-5 years	464	1,210	32,013,814	23,354,272,360	63,940,513.0	1.45	0.73 (0.66, 0.79)	1,061,302	2,287	3
6-11 years	669	1,974	33,794,208	25,334,350,579	69,361,671.7	1.98	0.96 (0.89, 1.04)	1,718,710	2,569	3
12-17 years	2,365	6,769	33,343,996	24,730,077,450	67,707,262.0	7.09	3.49 (3.35, 3.64)	5,610,912	2,372	3
18-44 years	58,896	209,376	100,551,500	80,179,218,420	219,518,736.3	58.57	26.83 (26.61, 27.05)	178,310,905	3,028	4

**Table 4. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group**

	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
45-64 years	91,061	373,669	58,902,489	56,583,980,639	154,918,495.9	154.60	58.78 (58.40, 59.16)	345,174,615	3,791	4
≥ 65 years	102,220	489,826	62,632,907	87,137,954,008	238,570,716.0	163.20	42.85 (42.58, 43.11)	487,632,252	4,770	5
<b>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
0-5 years	240	475	32,013,814	23,354,272,360	63,940,513.0	0.75	0.38 (0.33, 0.43)	424,622	1,769	2
6-11 years	325	998	33,794,208	25,334,350,579	69,361,671.7	0.96	0.47 (0.42, 0.52)	885,536	2,725	3
12-17 years	998	2,696	33,343,996	24,730,077,450	67,707,262.0	2.99	1.47 (1.39, 1.57)	2,183,868	2,188	3
18-44 years	18,887	59,207	100,551,500	80,179,218,420	219,518,736.3	18.78	8.60 (8.48, 8.73)	49,040,187	2,597	3
45-64 years	26,932	92,671	58,902,489	56,583,980,639	154,918,495.9	45.72	17.38 (17.18, 17.59)	85,075,453	3,159	3
≥ 65 years	30,418	120,499	62,632,907	87,137,954,008	238,570,716.0	48.57	12.75 (12.61, 12.89)	129,855,949	4,269	4
<b>Patients with Subacute Cutaneous Lupus Erythematosus</b>										
0-5 years	41	63	32,013,814	23,354,272,360	63,940,513.0	0.13	0.06 (0.05, 0.09)	56,672	1,382	2
6-11 years	160	403	33,794,208	25,334,350,579	69,361,671.7	0.47	0.23 (0.20, 0.27)	314,684	1,967	3
12-17 years	409	854	33,343,996	24,730,077,450	67,707,262.0	1.23	0.60 (0.55, 0.67)	671,831	1,643	2
18-44 years	8,017	23,174	100,551,500	80,179,218,420	219,518,736.3	7.97	3.65 (3.57, 3.73)	18,377,036	2,292	3
45-64 years	14,233	51,590	58,902,489	56,583,980,639	154,918,495.9	24.16	9.19 (9.04, 9.34)	44,928,067	3,157	4
≥ 65 years	27,211	134,390	62,632,907	87,137,954,008	238,570,716.0	43.45	11.41 (11.27, 11.54)	130,373,141	4,791	5
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>										
0-5 years	*****	*****	32,013,814	23,354,272,360	63,940,513.0	*****	*****	51,299	*****	*****
6-11 years	*****	*****	33,794,208	25,334,350,579	69,361,671.7	*****	*****	299,957	*****	*****

**Table 4. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group**

	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
12-17 years	356	736	33,343,996	24,730,077,450	67,707,262.0	1.07	0.53 (0.47, 0.58)	563,988	1,584	2
18-44 years	7,114	20,070	100,551,500	80,179,218,420	219,518,736.3	7.07	3.24 (3.17, 3.32)	15,835,169	2,226	3
45-64 years	12,929	44,291	58,902,489	56,583,980,639	154,918,495.9	21.95	8.35 (8.20, 8.49)	38,514,104	2,979	3
≥ 65 years	26,533	128,855	62,632,907	87,137,954,008	238,570,716.0	42.36	11.12 (10.99, 11.26)	126,071,084	4,751	5
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
0-5 years	27	45	32,013,814	23,354,272,360	63,940,513.0	0.08	0.04 (0.03, 0.06)	45,520	1,686	2
6-11 years	117	305	33,794,208	25,334,350,579	69,361,671.7	0.35	0.17 (0.14, 0.20)	242,234	2,070	3
12-17 years	308	618	33,343,996	24,730,077,450	67,707,262.0	0.92	0.45 (0.41, 0.51)	461,265	1,498	2
18-44 years	6,388	17,504	100,551,500	80,179,218,420	219,518,736.3	6.35	2.91 (2.84, 2.98)	14,143,529	2,214	3
45-64 years	11,947	40,182	58,902,489	56,583,980,639	154,918,495.9	20.28	7.71 (7.57, 7.85)	35,055,797	2,934	3
≥ 65 years	24,385	117,248	62,632,907	87,137,954,008	238,570,716.0	38.93	10.22 (10.09, 10.35)	114,070,686	4,678	5
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
0-5 years	11	16	32,013,814	23,354,272,360	63,940,513.0	0.03	0.02 (0.01, 0.03)	19,388	1,763	1
6-11 years	70	187	33,794,208	25,334,350,579	69,361,671.7	0.21	0.10 (0.08, 0.13)	157,605	2,252	3
12-17 years	179	354	33,343,996	24,730,077,450	67,707,262.0	0.54	0.26 (0.23, 0.31)	253,071	1,414	2
18-44 years	3,562	9,017	100,551,500	80,179,218,420	219,518,736.3	3.54	1.62 (1.57, 1.68)	7,528,272	2,113	3
45-64 years	7,102	22,350	58,902,489	56,583,980,639	154,918,495.9	12.06	4.58 (4.48, 4.69)	19,846,893	2,795	3
≥ 65 years	16,292	69,212	62,632,907	87,137,954,008	238,570,716.0	26.01	6.83 (6.72, 6.93)	70,823,424	4,347	4
<b>Patients with Other Lupus Erythematosus</b>										
0-5 years	132	775	32,013,814	23,354,272,360	63,940,513.0	0.41	0.21 (0.17, 0.24)	645,597	4,891	6

**Table 4. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group**

	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
6-11 years	445	1,429	33,794,208	25,334,350,579	69,361,671.7	1.32	0.64 (0.58, 0.70)	1,197,149	2,690	3
12-17 years	1,205	3,909	33,343,996	24,730,077,450	67,707,262.0	3.61	1.78 (1.68, 1.88)	3,523,142	2,924	3
18-44 years	20,625	75,863	100,551,500	80,179,218,420	219,518,736.3	20.51	9.40 (9.27, 9.52)	64,852,431	3,144	4
45-64 years	31,113	139,356	58,902,489	56,583,980,639	154,918,495.9	52.82	20.08 (19.86, 20.31)	122,131,138	3,925	4
≥ 65 years	41,011	173,762	62,632,907	87,137,954,008	238,570,716.0	65.48	17.19 (17.02, 17.36)	166,625,026	4,063	4
<b>Patients with Other Lupus Erythematosus Coded by Any Known Provider</b>										
0-5 years	121	386	32,013,814	23,354,272,360	63,940,513.0	0.38	0.19 (0.16, 0.23)	307,699	2,543	3
6-11 years	411	1,273	33,794,208	25,334,350,579	69,361,671.7	1.22	0.59 (0.54, 0.65)	1,067,729	2,598	3
12-17 years	1,082	3,417	33,343,996	24,730,077,450	67,707,262.0	3.24	1.60 (1.51, 1.70)	3,055,629	2,824	3
18-44 years	18,375	62,503	100,551,500	80,179,218,420	219,518,736.3	18.27	8.37 (8.25, 8.49)	52,804,778	2,874	3
45-64 years	28,040	111,435	58,902,489	56,583,980,639	154,918,495.9	47.60	18.10 (17.89, 18.31)	99,223,506	3,539	4
≥ 65 years	39,616	163,568	62,632,907	87,137,954,008	238,570,716.0	63.25	16.61 (16.44, 16.77)	158,481,359	4,000	4
<b>Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
0-5 years	108	320	32,013,814	23,354,272,360	63,940,513.0	0.34	0.17 (0.14, 0.20)	242,209	2,243	3
6-11 years	342	1,030	33,794,208	25,334,350,579	69,361,671.7	1.01	0.49 (0.44, 0.55)	862,263	2,521	3
12-17 years	917	2,828	33,343,996	24,730,077,450	67,707,262.0	2.75	1.35 (1.27, 1.44)	2,624,422	2,862	3
18-44 years	16,267	50,673	100,551,500	80,179,218,420	219,518,736.3	16.18	7.41 (7.30, 7.53)	42,267,507	2,598	3
45-64 years	25,447	84,756	58,902,489	56,583,980,639	154,918,495.9	43.20	16.43 (16.23, 16.63)	78,034,116	3,067	3
≥ 65 years	35,644	148,352	62,632,907	87,137,954,008	238,570,716.0	56.91	14.94 (14.79, 15.10)	143,350,316	4,022	4

**Table 4. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group**

	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist</b>										
0-5 years	57	191	32,013,814	23,354,272,360	63,940,513.0	0.18	0.09 (0.07, 0.12)	133,781	2,347	3
6-11 years	224	655	33,794,208	25,334,350,579	69,361,671.7	0.66	0.32 (0.28, 0.37)	550,466	2,457	3
12-17 years	510	1,347	33,343,996	24,730,077,450	67,707,262.0	1.53	0.75 (0.69, 0.82)	1,156,920	2,268	3
18-44 years	6,880	17,869	100,551,500	80,179,218,420	219,518,736.3	6.84	3.13 (3.06, 3.21)	14,314,502	2,081	3
45-64 years	10,039	29,257	58,902,489	56,583,980,639	154,918,495.9	17.04	6.48 (6.35, 6.61)	26,302,887	2,620	3
≥ 65 years	14,899	52,028	62,632,907	87,137,954,008	238,570,716.0	23.79	6.25 (6.15, 6.35)	53,211,840	3,572	3
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus</b>										
0-5 years	95	648	32,013,814	23,354,272,360	63,940,513.0	0.30	0.15 (0.12, 0.18)	359,768	3,787	7
6-11 years	174	721	33,794,208	25,334,350,579	69,361,671.7	0.51	0.25 (0.22, 0.29)	618,048	3,552	4
12-17 years	799	4,718	33,343,996	24,730,077,450	67,707,262.0	2.40	1.18 (1.10, 1.26)	3,684,993	4,612	6
18-44 years	28,151	199,623	100,551,500	80,179,218,420	219,518,736.3	28.00	12.82 (12.68, 12.97)	160,532,442	5,703	7
45-64 years	47,871	388,928	58,902,489	56,583,980,639	154,918,495.9	81.27	30.90 (30.63, 31.18)	331,074,419	6,916	8
≥ 65 years	52,247	464,371	62,632,907	87,137,954,008	238,570,716.0	83.42	21.90 (21.71, 22.09)	412,934,012	7,903	9
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any Known Provider</b>										
0-5 years	84	623	32,013,814	23,354,272,360	63,940,513.0	0.26	0.13 (0.11, 0.16)	341,092	4,061	7
6-11 years	159	671	33,794,208	25,334,350,579	69,361,671.7	0.47	0.23 (0.20, 0.27)	562,353	3,537	4
12-17 years	745	4,101	33,343,996	24,730,077,450	67,707,262.0	2.23	1.10 (1.02, 1.18)	3,143,954	4,220	6
18-44 years	25,895	165,702	100,551,500	80,179,218,420	219,518,736.3	25.75	11.80 (11.65, 11.94)	135,543,799	5,234	6
45-64 years	44,093	314,368	58,902,489	56,583,980,639	154,918,495.9	74.86	28.46 (28.20, 28.73)	274,860,760	6,234	7

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	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
≥ 65 years	50,289	418,102	62,632,907	87,137,954,008	238,570,716.0	80.29	21.08 (20.90, 21.26)	380,179,920	7,560	8
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
0-5 years	76	147	32,013,814	23,354,272,360	63,940,513.0	0.24	0.12 (0.09, 0.15)	110,030	1,448	2
6-11 years	141	559	33,794,208	25,334,350,579	69,361,671.7	0.42	0.20 (0.17, 0.24)	478,906	3,396	4
12-17 years	679	3,255	33,343,996	24,730,077,450	67,707,262.0	2.04	1.00 (0.93, 1.08)	2,485,008	3,660	5
18-44 years	24,221	140,895	100,551,500	80,179,218,420	219,518,736.3	24.09	11.03 (10.90, 11.17)	115,552,164	4,771	6
45-64 years	41,741	273,497	58,902,489	56,583,980,639	154,918,495.9	70.86	26.94 (26.69, 27.20)	242,247,957	5,804	7
≥ 65 years	47,407	384,739	62,632,907	87,137,954,008	238,570,716.0	75.69	19.87 (19.69, 20.05)	347,453,599	7,329	8
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
0-5 years	22	39	32,013,814	23,354,272,360	63,940,513.0	0.07	0.03 (0.02, 0.05)	21,699	986	2
6-11 years	66	288	33,794,208	25,334,350,579	69,361,671.7	0.20	0.10 (0.07, 0.12)	268,515	4,068	4
12-17 years	335	1,497	33,343,996	24,730,077,450	67,707,262.0	1.00	0.49 (0.44, 0.55)	1,175,380	3,509	4
18-44 years	10,375	44,867	100,551,500	80,179,218,420	219,518,736.3	10.32	4.73 (4.64, 4.82)	37,307,583	3,596	4
45-64 years	15,034	69,332	58,902,489	56,583,980,639	154,918,495.9	25.52	9.70 (9.55, 9.86)	63,048,936	4,194	5
≥ 65 years	14,833	83,124	62,632,907	87,137,954,008	238,570,716.0	23.68	6.22 (6.12, 6.32)	87,015,634	5,866	6
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus</b>										
0-5 years	30	98	32,013,814	23,354,272,360	63,940,513.0	0.09	0.05 (0.03, 0.07)	128,909	4,297	3
6-11 years	223	706	33,794,208	25,334,350,579	69,361,671.7	0.66	0.32 (0.28, 0.37)	833,427	3,737	3

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	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
12-17 years	1,208	3,990	33,343,996	24,730,077,450	67,707,262.0	3.62	1.78 (1.69, 1.89)	4,458,146	3,691	3
18-44 years	31,015	137,179	100,551,500	80,179,218,420	219,518,736.3	30.84	14.13 (13.97, 14.29)	164,298,752	5,297	4
45-64 years	47,245	234,663	58,902,489	56,583,980,639	154,918,495.9	80.21	30.50 (30.22, 30.77)	299,896,207	6,348	5
≥ 65 years	48,702	239,415	62,632,907	87,137,954,008	238,570,716.0	77.76	20.41 (20.23, 20.60)	328,994,002	6,755	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider</b>										
0-5 years	28	78	32,013,814	23,354,272,360	63,940,513.0	0.09	0.04 (0.03, 0.06)	101,992	3,643	3
6-11 years	208	637	33,794,208	25,334,350,579	69,361,671.7	0.62	0.30 (0.26, 0.34)	745,488	3,584	3
12-17 years	1,140	3,509	33,343,996	24,730,077,450	67,707,262.0	3.42	1.68 (1.59, 1.78)	3,834,958	3,364	3
18-44 years	28,934	118,122	100,551,500	80,179,218,420	219,518,736.3	28.78	13.18 (13.03, 13.33)	141,880,734	4,904	4
45-64 years	44,157	199,825	58,902,489	56,583,980,639	154,918,495.9	74.97	28.50 (28.24, 28.77)	258,628,866	5,857	5
≥ 65 years	47,268	225,305	62,632,907	87,137,954,008	238,570,716.0	75.47	19.81 (19.64, 19.99)	311,852,393	6,598	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
0-5 years	*****	*****	32,013,814	23,354,272,360	63,940,513.0	*****	*****	95,545	*****	*****
6-11 years	*****	*****	33,794,208	25,334,350,579	69,361,671.7	*****	*****	652,859	*****	*****
12-17 years	1,040	2,942	33,343,996	24,730,077,450	67,707,262.0	3.12	1.54 (1.45, 1.63)	3,235,659	3,111	3
18-44 years	26,894	101,449	100,551,500	80,179,218,420	219,518,736.3	26.75	12.25 (12.11, 12.40)	122,891,324	4,569	4
45-64 years	41,802	175,597	58,902,489	56,583,980,639	154,918,495.9	70.97	26.98 (26.73, 27.24)	228,904,445	5,476	4
≥ 65 years	45,174	207,966	62,632,907	87,137,954,008	238,570,716.0	72.13	18.94 (18.76, 19.11)	287,325,915	6,360	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
0-5 years	11	29	32,013,814	23,354,272,360	63,940,513.0	0.03	0.02 (0.01, 0.03)	41,653	3,787	3

**Table 4. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group**

	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
6-11 years	75	202	33,794,208	25,334,350,579	69,361,671.7	0.22	0.11 (0.09, 0.14)	266,656	3,555	3
12-17 years	402	1,063	33,343,996	24,730,077,450	67,707,262.0	1.21	0.59 (0.54, 0.65)	1,180,844	2,937	3
18-44 years	7,923	25,246	100,551,500	80,179,218,420	219,518,736.3	7.88	3.61 (3.53, 3.69)	30,123,914	3,802	3
45-64 years	11,012	38,741	58,902,489	56,583,980,639	154,918,495.9	18.70	7.11 (6.98, 7.24)	50,823,576	4,615	4
≥ 65 years	11,951	48,580	62,632,907	87,137,954,008	238,570,716.0	19.08	5.01 (4.92, 5.10)	69,938,519	5,852	4
<b>Patients with Mixed Cutaneous Lupus Erythematosus</b>										
0-5 years	69	388	32,013,814	23,354,272,360	63,940,513.0	0.22	0.11 (0.09, 0.14)	437,298	6,338	6
6-11 years	213	1,081	33,794,208	25,334,350,579	69,361,671.7	0.63	0.31 (0.27, 0.35)	1,084,061	5,089	5
12-17 years	606	2,845	33,343,996	24,730,077,450	67,707,262.0	1.82	0.90 (0.83, 0.97)	2,798,761	4,618	5
18-44 years	11,981	72,226	100,551,500	80,179,218,420	219,518,736.3	11.92	5.46 (5.36, 5.56)	79,568,910	6,641	6
45-64 years	19,042	132,084	58,902,489	56,583,980,639	154,918,495.9	32.33	12.29 (12.12, 12.47)	151,406,026	7,951	7
≥ 65 years	26,534	215,726	62,632,907	87,137,954,008	238,570,716.0	42.36	11.12 (10.99, 11.26)	260,994,188	9,836	8
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>										
0-5 years	64	305	32,013,814	23,354,272,360	63,940,513.0	0.20	0.10 (0.08, 0.13)	316,788	4,950	5
6-11 years	208	1,017	33,794,208	25,334,350,579	69,361,671.7	0.62	0.30 (0.26, 0.34)	1,020,240	4,905	5
12-17 years	577	2,578	33,343,996	24,730,077,450	67,707,262.0	1.73	0.85 (0.79, 0.92)	2,517,007	4,362	4
18-44 years	11,259	63,309	100,551,500	80,179,218,420	219,518,736.3	11.20	5.13 (5.04, 5.22)	69,539,949	6,176	6
45-64 years	18,089	110,687	58,902,489	56,583,980,639	154,918,495.9	30.71	11.68 (11.51, 11.85)	127,668,689	7,058	6
≥ 65 years	26,076	206,074	62,632,907	87,137,954,008	238,570,716.0	41.63	10.93 (10.80, 11.06)	250,837,334	9,619	8

**Table 4. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group**

	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
0-5 years	58	240	32,013,814	23,354,272,360	63,940,513.0	0.18	0.09 (0.07, 0.12)	241,828	4,169	4
6-11 years	196	873	33,794,208	25,334,350,579	69,361,671.7	0.58	0.28 (0.25, 0.33)	871,786	4,448	4
12-17 years	538	2,164	33,343,996	24,730,077,450	67,707,262.0	1.61	0.79 (0.73, 0.86)	2,165,779	4,026	4
18-44 years	10,549	54,518	100,551,500	80,179,218,420	219,518,736.3	10.49	4.81 (4.71, 4.90)	59,744,753	5,664	5
45-64 years	17,264	97,819	58,902,489	56,583,980,639	154,918,495.9	29.31	11.14 (10.98, 11.31)	113,598,869	6,580	6
≥ 65 years	24,863	189,276	62,632,907	87,137,954,008	238,570,716.0	39.70	10.42 (10.29, 10.55)	229,555,399	9,233	8
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
0-5 years	39	152	32,013,814	23,354,272,360	63,940,513.0	0.12	0.06 (0.04, 0.08)	145,961	3,743	4
6-11 years	154	575	33,794,208	25,334,350,579	69,361,671.7	0.46	0.22 (0.19, 0.26)	581,038	3,773	4
12-17 years	360	1,180	33,343,996	24,730,077,450	67,707,262.0	1.08	0.53 (0.48, 0.59)	1,186,751	3,297	3
18-44 years	5,684	20,325	100,551,500	80,179,218,420	219,518,736.3	5.65	2.59 (2.52, 2.66)	21,458,074	3,775	4
45-64 years	9,516	38,202	58,902,489	56,583,980,639	154,918,495.9	16.16	6.14 (6.02, 6.27)	43,594,196	4,581	4
≥ 65 years	16,108	82,819	62,632,907	87,137,954,008	238,570,716.0	25.72	6.75 (6.65, 6.86)	103,953,993	6,454	5
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</b>										
0-5 years	*****	*****	32,013,814	23,354,272,360	63,940,513.0	*****	*****	3,764	*****	*****
6-11 years	*****	*****	33,794,208	25,334,350,579	69,361,671.7	*****	*****	14,669	*****	*****
12-17 years	78	289	33,343,996	24,730,077,450	67,707,262.0	0.23	0.12 (0.09, 0.14)	294,522	3,776	4
18-44 years	1,001	2,916	100,551,500	80,179,218,420	219,518,736.3	1.00	0.46 (0.43, 0.49)	2,205,735	2,204	3
45-64 years	749	2,295	58,902,489	56,583,980,639	154,918,495.9	1.27	0.48 (0.45, 0.52)	2,014,151	2,689	3
≥ 65 years	1,042	3,650	62,632,907	87,137,954,008	238,570,716.0	1.66	0.44 (0.41, 0.46)	3,738,660	3,588	4

**Table 4. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group**

	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider</b>										
0-5 years	*****	*****	32,013,814	23,354,272,360	63,940,513.0	*****	*****	3,764	*****	*****
6-11 years	*****	*****	33,794,208	25,334,350,579	69,361,671.7	*****	*****	14,669	*****	*****
12-17 years	72	239	33,343,996	24,730,077,450	67,707,262.0	0.22	0.11 (0.08, 0.13)	241,285	3,351	3
18-44 years	936	2,594	100,551,500	80,179,218,420	219,518,736.3	0.93	0.43 (0.40, 0.45)	1,958,638	2,093	3
45-64 years	724	2,082	58,902,489	56,583,980,639	154,918,495.9	1.23	0.47 (0.43, 0.50)	1,851,539	2,557	3
≥ 65 years	1,028	3,597	62,632,907	87,137,954,008	238,570,716.0	1.64	0.43 (0.41, 0.46)	3,679,900	3,580	3
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
0-5 years	*****	*****	32,013,814	23,354,272,360	63,940,513.0	*****	*****	3,343	*****	*****
6-11 years	*****	*****	33,794,208	25,334,350,579	69,361,671.7	*****	*****	14,603	*****	*****
12-17 years	70	216	33,343,996	24,730,077,450	67,707,262.0	0.21	0.10 (0.08, 0.13)	217,386	3,106	3
18-44 years	861	2,312	100,551,500	80,179,218,420	219,518,736.3	0.86	0.39 (0.37, 0.42)	1,756,282	2,040	3
45-64 years	692	1,941	58,902,489	56,583,980,639	154,918,495.9	1.17	0.45 (0.41, 0.48)	1,723,617	2,491	3
≥ 65 years	994	3,387	62,632,907	87,137,954,008	238,570,716.0	1.59	0.42 (0.39, 0.44)	3,462,469	3,483	3
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
0-5 years	*****	*****	32,013,814	23,354,272,360	63,940,513.0	*****	*****	1,700	*****	*****
6-11 years	*****	*****	33,794,208	25,334,350,579	69,361,671.7	*****	*****	9,539	*****	*****
12-17 years	*****	*****	33,343,996	24,730,077,450	67,707,262.0	*****	*****	153,277	*****	*****
18-44 years	661	1,627	100,551,500	80,179,218,420	219,518,736.3	0.66	0.30 (0.28, 0.32)	1,263,324	1,911	2

**Table 4. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group**

	Number of Patients per Age Group	Number of Index Dates <sup>2</sup> per Age Group	Number of Eligible Members <sup>3</sup> per Age Group	Total Eligible Member-Days <sup>3</sup> per Age Group	Total Eligible Member-Years <sup>3</sup> per Age Group	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
45-64 years	461	1,267	58,902,489	56,583,980,639	154,918,495.9	0.78	0.30 (0.27, 0.33)	1,136,518	2,465	3
≥ 65 years	684	2,078	62,632,907	87,137,954,008	238,570,716.0	1.09	0.29 (0.27, 0.31)	2,144,650	3,135	3

<sup>1</sup>- Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

- Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

- Other lupus erythematosus, defined by ICD-10 code L93.2.

- Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

- Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

- Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

- Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

- We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D, and E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>3</sup>Eligible Members, Member-Days, and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period. Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study. In stratified analyses, members may appear in more than one stratum due to changes in characteristics over time, such as transitioning into a new age group or a new calendar year. This could result in multiple counting of the same individual across different strata. However, while the number of eligible members in each stratum may add up to more than the overall total, each day or year of eligibility is counted only once for each individual, regardless of how many strata they appear in. As a result, the sum of stratified Member-Days/Years will match the overall total. The totals for Eligible Member-Days and Eligible Member-Years are based on each patient's time unit (whether in days or years), counted only once, regardless of their presence in multiple strata, since each individual can only contribute their time to one stratum at a time.

<sup>4</sup>Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment. The calculation is not affected by age group or calendar year stratifications. Specifically, even if a patient's last day of enrollment falls outside the age group or calendar year in which they were indexed, the observable days continue to be counted until the last day of enrollment, even if this extends beyond the original stratification.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 5. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Year**

	Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95%Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Discoid Lupus Erythematosus</b>										
2017	81,550	210,353	149,331,414	45,677,489,604	125,058,150.9	54.61	65.21 (64.76, 65.66)	301,217,710	3,694	3
2018	102,451	272,073	149,607,556	46,090,987,575	126,190,246.6	68.48	81.19 (80.69, 81.69)	340,032,871	3,319	3
2019	88,669	233,991	152,356,002	46,679,519,939	127,801,560.4	58.20	69.38 (68.93, 69.84)	252,206,307	2,844	3
2020	72,129	194,035	154,103,564	48,619,808,367	133,113,780.6	46.81	54.19 (53.79, 54.58)	166,623,370	2,310	3
2021	71,973	191,584	158,171,725	50,838,305,691	139,187,695.3	45.50	51.71 (51.33, 52.09)	122,182,966	1,698	3
2022	54,109	138,882	85,187,507	26,369,442,398	72,195,598.6	63.52	74.95 (74.32, 75.58)	72,771,702	1,345	3
2023	51,631	133,489	82,580,950	25,736,844,768	70,463,640.7	62.52	73.27 (72.64, 73.91)	31,716,621	614	3
2024	13,945	27,185	47,635,122	7,307,455,114	20,006,721.7	29.27	69.70 (68.55, 70.87)	2,451,481	176	2
<b>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</b>										
2017	76,520	185,736	149,331,414	45,677,489,604	125,058,150.9	51.24	61.19 (60.76, 61.62)	269,944,483	3,528	2
2018	96,733	242,494	149,607,556	46,090,987,575	126,190,246.6	64.66	76.66 (76.17, 77.14)	307,620,259	3,180	3
2019	83,369	206,934	152,356,002	46,679,519,939	127,801,560.4	54.72	65.23 (64.79, 65.68)	226,868,657	2,721	2
2020	67,732	168,602	154,103,564	48,619,808,367	133,113,780.6	43.95	50.88 (50.50, 51.27)	147,722,290	2,181	2
2021	67,459	166,824	158,171,725	50,838,305,691	139,187,695.3	42.65	48.47 (48.10, 48.83)	107,563,915	1,595	2
2022	50,521	122,952	85,187,507	26,369,442,398	72,195,598.6	59.31	69.98 (69.37, 70.59)	63,861,696	1,264	2
2023	47,977	116,384	82,580,950	25,736,844,768	70,463,640.7	58.10	68.09 (67.48, 68.70)	26,305,726	548	2
2024	11,502	18,712	47,635,122	7,307,455,114	20,006,721.7	24.15	57.49 (56.45, 58.55)	1,683,646	146	2
<b>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
2017	69,530	156,924	149,331,414	45,677,489,604	125,058,150.9	46.56	55.60 (55.19, 56.01)	230,655,230	3,317	2
2018	88,939	211,024	149,607,556	46,090,987,575	126,190,246.6	59.45	70.48 (70.02, 70.94)	271,075,011	3,048	2
2019	76,473	180,693	152,356,002	46,679,519,939	127,801,560.4	50.19	59.84 (59.41, 60.26)	201,698,309	2,638	2
2020	62,274	147,905	154,103,564	48,619,808,367	133,113,780.6	40.41	46.78 (46.42, 47.15)	132,659,882	2,130	2
2021	61,774	147,246	158,171,725	50,838,305,691	139,187,695.3	39.06	44.38 (44.03, 44.73)	98,243,912	1,590	2
2022	47,440	113,758	85,187,507	26,369,442,398	72,195,598.6	55.69	65.71 (65.12, 66.30)	59,101,988	1,246	2
2023	45,061	107,465	82,580,950	25,736,844,768	70,463,640.7	54.57	63.95 (63.36, 64.54)	24,458,630	543	2
2024	11,036	17,809	47,635,122	7,307,455,114	20,006,721.7	23.17	55.16 (54.14, 56.20)	1,615,734	146	2
<b>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
2017	21,562	41,991	149,331,414	45,677,489,604	125,058,150.9	14.44	17.24 (17.01, 17.47)	64,245,944	2,980	2
2018	24,776	48,957	149,607,556	46,090,987,575	126,190,246.6	16.56	19.63 (19.39, 19.88)	65,856,113	2,658	2

**Table 5. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Year**

	Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95%Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2019	23,368	46,477	152,356,002	46,679,519,939	127,801,560.4	15.34	18.28 (18.05, 18.52)	53,274,842	2,280	2
2020	19,810	38,995	154,103,564	48,619,808,367	133,113,780.6	12.85	14.88 (14.68, 15.09)	35,691,796	1,802	2
2021	19,554	39,418	158,171,725	50,838,305,691	139,187,695.3	12.36	14.05 (13.85, 14.25)	25,957,473	1,327	2
2022	14,293	28,118	85,187,507	26,369,442,398	72,195,598.6	16.78	19.80 (19.48, 20.12)	15,344,657	1,074	2
2023	13,631	27,050	82,580,950	25,736,844,768	70,463,640.7	16.51	19.34 (19.02, 19.67)	6,581,913	483	2
2024	3,808	5,540	47,635,122	7,307,455,114	20,006,721.7	7.99	19.03 (18.44, 19.65)	512,877	135	1
<b>Patients with Subacute Cutaneous Lupus Erythematosus</b>										
2017	12,096	27,115	149,331,414	45,677,489,604	125,058,150.9	8.10	9.67 (9.50, 9.85)	42,963,807	3,552	2
2018	12,967	29,248	149,607,556	46,090,987,575	126,190,246.6	8.67	10.28 (10.10, 10.45)	40,993,547	3,161	2
2019	13,093	30,049	152,356,002	46,679,519,939	127,801,560.4	8.59	10.24 (10.07, 10.42)	36,282,491	2,771	2
2020	12,603	29,268	154,103,564	48,619,808,367	133,113,780.6	8.18	9.47 (9.30, 9.63)	28,490,046	2,261	2
2021	13,623	32,142	158,171,725	50,838,305,691	139,187,695.3	8.61	9.79 (9.62, 9.95)	23,636,270	1,735	2
2022	11,850	28,692	85,187,507	26,369,442,398	72,195,598.6	13.91	16.41 (16.12, 16.71)	15,309,902	1,292	2
2023	12,218	28,699	82,580,950	25,736,844,768	70,463,640.7	14.80	17.34 (17.03, 17.65)	6,571,390	538	2
2024	3,080	5,261	47,635,122	7,307,455,114	20,006,721.7	6.47	15.39 (14.86, 15.95)	473,978	154	2
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>										
2017	11,446	25,234	149,331,414	45,677,489,604	125,058,150.9	7.66	9.15 (8.99, 9.32)	40,417,364	3,531	2
2018	12,342	27,324	149,607,556	46,090,987,575	126,190,246.6	8.25	9.78 (9.61, 9.95)	38,628,396	3,130	2
2019	12,476	27,768	152,356,002	46,679,519,939	127,801,560.4	8.19	9.76 (9.59, 9.93)	33,753,813	2,705	2
2020	12,008	27,081	154,103,564	48,619,808,367	133,113,780.6	7.79	9.02 (8.86, 9.18)	26,406,260	2,199	2
2021	13,006	29,889	158,171,725	50,838,305,691	139,187,695.3	8.22	9.34 (9.18, 9.51)	21,836,306	1,679	2
2022	11,359	26,594	85,187,507	26,369,442,398	72,195,598.6	13.33	15.73 (15.45, 16.03)	14,082,019	1,240	2
2023	11,643	26,397	82,580,950	25,736,844,768	70,463,640.7	14.10	16.52 (16.23, 16.83)	5,841,596	502	2
2024	2,695	4,093	47,635,122	7,307,455,114	20,006,721.7	5.66	13.47 (12.97, 13.99)	369,847	137	2
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
2017	10,363	22,350	149,331,414	45,677,489,604	125,058,150.9	6.94	8.29 (8.13, 8.45)	35,923,015	3,466	2
2018	11,268	24,509	149,607,556	46,090,987,575	126,190,246.6	7.53	8.93 (8.77, 9.10)	34,780,995	3,087	2
2019	11,519	25,092	152,356,002	46,679,519,939	127,801,560.4	7.56	9.01 (8.85, 9.18)	30,563,836	2,653	2
2020	11,144	24,548	154,103,564	48,619,808,367	133,113,780.6	7.23	8.37 (8.22, 8.53)	24,042,194	2,157	2
2021	12,121	26,942	158,171,725	50,838,305,691	139,187,695.3	7.66	8.71 (8.55, 8.86)	19,978,132	1,648	2

**Table 5. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Year**

	Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95%Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2022	10,734	24,431	85,187,507	26,369,442,398	72,195,598.6	12.60	14.87 (14.59, 15.15)	12,981,614	1,209	2
2023	10,974	24,150	82,580,950	25,736,844,768	70,463,640.7	13.29	15.57 (15.29, 15.87)	5,396,482	492	2
2024	2,563	3,880	47,635,122	7,307,455,114	20,006,721.7	5.38	12.81 (12.32, 13.32)	352,763	138	2
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
2017	6,789	13,415	149,331,414	45,677,489,604	125,058,150.9	4.55	5.43 (5.30, 5.56)	22,372,280	3,295	2
2018	7,204	14,238	149,607,556	46,090,987,575	126,190,246.6	4.82	5.71 (5.58, 5.84)	20,851,381	2,894	2
2019	7,458	14,644	152,356,002	46,679,519,939	127,801,560.4	4.90	5.84 (5.70, 5.97)	18,515,791	2,483	2
2020	7,244	14,333	154,103,564	48,619,808,367	133,113,780.6	4.70	5.44 (5.32, 5.57)	14,475,215	1,998	2
2021	7,762	15,277	158,171,725	50,838,305,691	139,187,695.3	4.91	5.58 (5.45, 5.70)	11,723,571	1,510	2
2022	6,842	13,576	85,187,507	26,369,442,398	72,195,598.6	8.03	9.48 (9.26, 9.70)	7,414,647	1,084	2
2023	6,877	13,452	82,580,950	25,736,844,768	70,463,640.7	8.33	9.76 (9.53, 9.99)	3,072,068	447	2
2024	1,548	2,201	47,635,122	7,307,455,114	20,006,721.7	3.25	7.74 (7.36, 8.13)	203,700	132	1
<b>Patients with Other Lupus Erythematosus</b>										
2017	23,279	63,618	149,331,414	45,677,489,604	125,058,150.9	15.59	18.61 (18.38, 18.86)	93,089,520	3,999	3
2018	23,618	63,268	149,607,556	46,090,987,575	126,190,246.6	15.79	18.72 (18.48, 18.96)	81,373,990	3,445	3
2019	23,355	61,838	152,356,002	46,679,519,939	127,801,560.4	15.33	18.27 (18.04, 18.51)	67,628,611	2,896	3
2020	21,303	59,728	154,103,564	48,619,808,367	133,113,780.6	13.82	16.00 (15.79, 16.22)	50,454,812	2,368	3
2021	21,877	58,260	158,171,725	50,838,305,691	139,187,695.3	13.83	15.72 (15.51, 15.93)	35,122,139	1,605	3
2022	17,534	40,202	85,187,507	26,369,442,398	72,195,598.6	20.58	24.29 (23.93, 24.65)	21,123,710	1,205	2
2023	17,239	40,140	82,580,950	25,736,844,768	70,463,640.7	20.88	24.47 (24.10, 24.83)	9,458,144	549	2
2024	4,631	8,040	47,635,122	7,307,455,114	20,006,721.7	9.72	23.15 (22.49, 23.82)	723,557	156	2
<b>Patients with Other Lupus Erythematosus Coded by Any Known Provider</b>										
2017	21,728	54,563	149,331,414	45,677,489,604	125,058,150.9	14.55	17.37 (17.14, 17.61)	80,274,963	3,695	3
2018	22,076	54,922	149,607,556	46,090,987,575	126,190,246.6	14.76	17.49 (17.26, 17.73)	71,708,149	3,248	2
2019	21,847	53,593	152,356,002	46,679,519,939	127,801,560.4	14.34	17.09 (16.87, 17.32)	59,629,783	2,729	2
2020	19,977	50,758	154,103,564	48,619,808,367	133,113,780.6	12.96	15.01 (14.80, 15.22)	44,159,539	2,211	3
2021	20,590	49,805	158,171,725	50,838,305,691	139,187,695.3	13.02	14.79 (14.59, 15.00)	31,318,735	1,521	2
2022	16,512	36,697	85,187,507	26,369,442,398	72,195,598.6	19.38	22.87 (22.52, 23.22)	19,094,624	1,156	2
2023	16,194	36,269	82,580,950	25,736,844,768	70,463,640.7	19.61	22.98 (22.63, 23.34)	8,215,112	507	2
2024	3,945	5,975	47,635,122	7,307,455,114	20,006,721.7	8.28	19.72 (19.11, 20.34)	539,795	137	2

**Table 5. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Year**

	Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95%Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
2017	19,299	43,075	149,331,414	45,677,489,604	125,058,150.9	12.92	15.43 (15.22, 15.65)	64,503,704	3,342	2
2018	19,798	44,741	149,607,556	46,090,987,575	126,190,246.6	13.23	15.69 (15.47, 15.91)	59,901,951	3,026	2
2019	19,701	44,420	152,356,002	46,679,519,939	127,801,560.4	12.93	15.42 (15.20, 15.63)	51,108,432	2,594	2
2020	18,226	41,722	154,103,564	48,619,808,367	133,113,780.6	11.83	13.69 (13.49, 13.89)	38,306,123	2,102	2
2021	18,728	41,379	158,171,725	50,838,305,691	139,187,695.3	11.84	13.46 (13.26, 13.65)	27,926,954	1,491	2
2022	15,339	33,581	85,187,507	26,369,442,398	72,195,598.6	18.01	21.25 (20.91, 21.59)	17,492,769	1,140	2
2023	15,100	33,326	82,580,950	25,736,844,768	70,463,640.7	18.29	21.43 (21.09, 21.77)	7,620,502	505	2
2024	3,771	5,715	47,635,122	7,307,455,114	20,006,721.7	7.92	18.85 (18.26, 19.46)	520,398	138	2
<b>Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist</b>										
2017	7,502	13,856	149,331,414	45,677,489,604	125,058,150.9	5.02	6.00 (5.86, 6.14)	22,036,986	2,937	2
2018	7,902	14,456	149,607,556	46,090,987,575	126,190,246.6	5.28	6.26 (6.13, 6.40)	20,379,547	2,579	2
2019	8,285	15,548	152,356,002	46,679,519,939	127,801,560.4	5.44	6.48 (6.34, 6.62)	18,451,691	2,227	2
2020	7,974	14,747	154,103,564	48,619,808,367	133,113,780.6	5.17	5.99 (5.86, 6.12)	14,072,118	1,765	2
2021	8,444	15,459	158,171,725	50,838,305,691	139,187,695.3	5.34	6.07 (5.94, 6.20)	10,810,059	1,280	2
2022	6,698	12,348	85,187,507	26,369,442,398	72,195,598.6	7.86	9.28 (9.06, 9.50)	6,721,204	1,003	2
2023	6,707	12,435	82,580,950	25,736,844,768	70,463,640.7	8.12	9.52 (9.29, 9.75)	2,970,121	443	2
2024	1,833	2,498	47,635,122	7,307,455,114	20,006,721.7	3.85	9.16 (8.75, 9.59)	228,670	125	1
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus</b>										
2017	38,710	144,783	149,331,414	45,677,489,604	125,058,150.9	25.92	30.95 (30.65, 31.26)	208,185,484	5,378	4
2018	39,926	148,121	149,607,556	46,090,987,575	126,190,246.6	26.69	31.64 (31.33, 31.95)	187,185,384	4,688	4
2019	42,818	167,176	152,356,002	46,679,519,939	127,801,560.4	28.10	33.50 (33.19, 33.82)	177,357,912	4,142	4
2020	41,435	166,384	154,103,564	48,619,808,367	133,113,780.6	26.89	31.13 (30.83, 31.43)	140,265,672	3,385	4
2021	41,229	165,334	158,171,725	50,838,305,691	139,187,695.3	26.07	29.62 (29.34, 29.91)	102,719,297	2,491	4
2022	31,960	122,775	85,187,507	26,369,442,398	72,195,598.6	37.52	44.27 (43.79, 44.76)	63,172,690	1,977	4
2023	30,236	119,648	82,580,950	25,736,844,768	70,463,640.7	36.61	42.91 (42.43, 43.40)	28,049,437	928	4
2024	8,956	24,788	47,635,122	7,307,455,114	20,006,721.7	18.80	44.76 (43.85, 45.70)	2,267,806	253	3
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any</b>										
2017	36,503	128,756	149,331,414	45,677,489,604	125,058,150.9	24.44	29.19 (28.89, 29.49)	188,174,906	5,155	4
2018	37,375	130,905	149,607,556	46,090,987,575	126,190,246.6	24.98	29.62 (29.32, 29.92)	167,159,685	4,472	4

**Table 5. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Year**

	Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95%Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2019	40,255	144,064	152,356,002	46,679,519,939	127,801,560.4	26.42	31.50 (31.19, 31.81)	154,774,781	3,845	4
2020	38,895	139,369	154,103,564	48,619,808,367	133,113,780.6	25.24	29.22 (28.93, 29.51)	119,972,504	3,085	4
2021	38,744	138,874	158,171,725	50,838,305,691	139,187,695.3	24.49	27.84 (27.56, 28.11)	87,759,998	2,265	4
2022	29,814	105,021	85,187,507	26,369,442,398	72,195,598.6	35.00	41.30 (40.83, 41.77)	53,080,783	1,780	4
2023	28,269	101,271	82,580,950	25,736,844,768	70,463,640.7	34.23	40.12 (39.65, 40.59)	22,291,939	789	4
2024	7,574	15,307	47,635,122	7,307,455,114	20,006,721.7	15.90	37.86 (37.01, 38.72)	1,417,282	187	2
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider</b>										
2017	34,096	112,587	149,331,414	45,677,489,604	125,058,150.9	22.83	27.26 (26.98, 27.56)	165,220,169	4,846	3
2018	34,816	114,253	149,607,556	46,090,987,575	126,190,246.6	23.27	27.59 (27.30, 27.88)	146,947,553	4,221	3
2019	37,671	125,640	152,356,002	46,679,519,939	127,801,560.4	24.73	29.48 (29.18, 29.78)	137,011,088	3,637	3
2020	36,444	123,165	154,103,564	48,619,808,367	133,113,780.6	23.65	27.38 (27.10, 27.66)	107,983,114	2,963	3
2021	36,322	122,221	158,171,725	50,838,305,691	139,187,695.3	22.96	26.10 (25.83, 26.37)	80,106,627	2,205	3
2022	28,296	97,284	85,187,507	26,369,442,398	72,195,598.6	33.22	39.19 (38.74, 39.65)	49,104,915	1,735	3
2023	26,699	93,636	82,580,950	25,736,844,768	70,463,640.7	32.33	37.89 (37.44, 38.35)	20,618,567	772	4
2024	7,130	14,306	47,635,122	7,307,455,114	20,006,721.7	14.97	35.64 (34.82, 36.47)	1,335,631	187	2
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a</b>										
2017	12,742	30,170	149,331,414	45,677,489,604	125,058,150.9	8.53	10.19 (10.01, 10.37)	46,511,763	3,650	2
2018	12,377	30,059	149,607,556	46,090,987,575	126,190,246.6	8.27	9.81 (9.64, 9.98)	40,853,773	3,301	2
2019	12,816	31,399	152,356,002	46,679,519,939	127,801,560.4	8.41	10.03 (9.86, 10.20)	36,323,566	2,834	2
2020	12,516	31,078	154,103,564	48,619,808,367	133,113,780.6	8.12	9.40 (9.24, 9.57)	28,414,436	2,270	2
2021	12,078	30,228	158,171,725	50,838,305,691	139,187,695.3	7.64	8.68 (8.52, 8.83)	19,851,497	1,644	3
2022	8,549	21,417	85,187,507	26,369,442,398	72,195,598.6	10.04	11.84 (11.59, 12.10)	11,554,534	1,352	3
2023	8,045	20,720	82,580,950	25,736,844,768	70,463,640.7	9.74	11.42 (11.17, 11.67)	4,949,564	615	3
2024	2,432	4,076	47,635,122	7,307,455,114	20,006,721.7	5.11	12.16 (11.68, 12.65)	378,614	156	2
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus</b>										
2017	44,922	121,897	149,331,414	45,677,489,604	125,058,150.9	30.08	35.92 (35.59, 36.25)	207,733,523	4,624	3
2018	57,140	158,494	149,607,556	46,090,987,575	126,190,246.6	38.19	45.28 (44.91, 45.65)	236,663,586	4,142	3
2019	46,115	125,514	152,356,002	46,679,519,939	127,801,560.4	30.27	36.08 (35.76, 36.41)	163,356,369	3,542	3
2020	32,407	88,195	154,103,564	48,619,808,367	133,113,780.6	21.03	24.35 (24.08, 24.61)	96,134,173	2,966	3
2021	25,600	69,279	158,171,725	50,838,305,691	139,187,695.3	16.18	18.39 (18.17, 18.62)	62,553,606	2,444	3

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	Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95%Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2022	18,936	46,944	85,187,507	26,369,442,398	72,195,598.6	22.23	26.23 (25.86, 26.61)	29,458,318	1,556	2
2023	3,050	5,728	82,580,950	25,736,844,768	70,463,640.7	3.69	4.33 (4.18, 4.48)	2,709,868	888	2
2024	0	0	47,635,122	7,307,455,114	20,006,721.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider</b>										
2017	42,778	108,062	149,331,414	45,677,489,604	125,058,150.9	28.65	34.21 (33.88, 34.53)	186,360,734	4,356	3
2018	54,568	142,911	149,607,556	46,090,987,575	126,190,246.6	36.47	43.24 (42.88, 43.61)	215,471,866	3,949	3
2019	43,855	112,215	152,356,002	46,679,519,939	127,801,560.4	28.78	34.31 (34.00, 34.64)	147,294,831	3,359	3
2020	30,696	77,735	154,103,564	48,619,808,367	133,113,780.6	19.92	23.06 (22.80, 23.32)	85,567,871	2,788	3
2021	24,041	61,626	158,171,725	50,838,305,691	139,187,695.3	15.20	17.27 (17.06, 17.49)	55,130,580	2,293	3
2022	17,784	41,048	85,187,507	26,369,442,398	72,195,598.6	20.88	24.63 (24.27, 25.00)	25,381,546	1,427	2
2023	2,541	3,879	82,580,950	25,736,844,768	70,463,640.7	3.08	3.61 (3.47, 3.75)	1,837,003	723	2
2024	0	0	47,635,122	7,307,455,114	20,006,721.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
2017	39,670	91,871	149,331,414	45,677,489,604	125,058,150.9	26.57	31.72 (31.41, 32.03)	161,085,489	4,061	2
2018	51,209	126,413	149,607,556	46,090,987,575	126,190,246.6	34.23	40.58 (40.23, 40.93)	193,012,574	3,769	2
2019	41,102	100,219	152,356,002	46,679,519,939	127,801,560.4	26.98	32.16 (31.85, 32.47)	133,449,990	3,247	2
2020	28,896	70,420	154,103,564	48,619,808,367	133,113,780.6	18.75	21.71 (21.46, 21.96)	78,527,348	2,718	2
2021	22,931	57,648	158,171,725	50,838,305,691	139,187,695.3	14.50	16.47 (16.26, 16.69)	51,545,406	2,248	3
2022	16,936	38,259	85,187,507	26,369,442,398	72,195,598.6	19.88	23.46 (23.11, 23.81)	23,705,302	1,400	2
2023	2,457	3,752	82,580,950	25,736,844,768	70,463,640.7	2.98	3.49 (3.35, 3.63)	1,779,638	724	2
2024	0	0	47,635,122	7,307,455,114	20,006,721.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
2017	11,331	22,827	149,331,414	45,677,489,604	125,058,150.9	7.59	9.06 (8.90, 9.23)	40,809,179	3,602	2
2018	13,162	27,223	149,607,556	46,090,987,575	126,190,246.6	8.80	10.43 (10.25, 10.61)	42,410,314	3,222	2
2019	11,414	23,889	152,356,002	46,679,519,939	127,801,560.4	7.49	8.93 (8.77, 9.10)	31,946,315	2,799	2
2020	8,203	17,079	154,103,564	48,619,808,367	133,113,780.6	5.32	6.16 (6.03, 6.30)	19,151,989	2,335	2
2021	6,196	13,110	158,171,725	50,838,305,691	139,187,695.3	3.92	4.45 (4.34, 4.56)	12,034,705	1,942	2
2022	4,485	8,683	85,187,507	26,369,442,398	72,195,598.6	5.26	6.21 (6.03, 6.40)	5,523,016	1,231	2
2023	743	1,050	82,580,950	25,736,844,768	70,463,640.7	0.90	1.05 (0.98, 1.13)	499,644	672	1
2024	0	0	47,635,122	7,307,455,114	20,006,721.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN

**Table 5. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Year**

	Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95%Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Mixed Cutaneous Lupus Erythematosus</b>										
2017	24,429	86,934	149,331,414	45,677,489,604	125,058,150.9	16.36	19.53 (19.29, 19.78)	145,615,101	5,961	4
2018	24,217	87,057	149,607,556	46,090,987,575	126,190,246.6	16.19	19.19 (18.95, 19.43)	128,213,948	5,294	4
2019	20,745	71,618	152,356,002	46,679,519,939	127,801,560.4	13.62	16.23 (16.01, 16.45)	91,222,861	4,397	3
2020	16,944	58,930	154,103,564	48,619,808,367	133,113,780.6	11.00	12.73 (12.54, 12.92)	60,602,413	3,577	3
2021	15,029	51,627	158,171,725	50,838,305,691	139,187,695.3	9.50	10.80 (10.63, 10.97)	40,986,878	2,727	3
2022	11,328	39,102	85,187,507	26,369,442,398	72,195,598.6	13.30	15.69 (15.40, 15.98)	22,148,624	1,955	3
2023	7,991	26,081	82,580,950	25,736,844,768	70,463,640.7	9.68	11.34 (11.09, 11.59)	7,159,200	896	3
2024	1,386	3,001	47,635,122	7,307,455,114	20,006,721.7	2.91	6.93 (6.57, 7.30)	340,219	245	2
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>										
2017	23,503	77,579	149,331,414	45,677,489,604	125,058,150.9	15.74	18.79 (18.55, 19.04)	131,327,664	5,588	3
2018	23,349	78,763	149,607,556	46,090,987,575	126,190,246.6	15.61	18.50 (18.27, 18.74)	117,203,224	5,020	3
2019	19,997	65,486	152,356,002	46,679,519,939	127,801,560.4	13.13	15.65 (15.43, 15.87)	84,041,373	4,203	3
2020	16,342	53,042	154,103,564	48,619,808,367	133,113,780.6	10.60	12.28 (12.09, 12.47)	55,207,837	3,378	3
2021	14,492	47,323	158,171,725	50,838,305,691	139,187,695.3	9.16	10.41 (10.24, 10.58)	37,492,271	2,587	3
2022	10,937	35,907	85,187,507	26,369,442,398	72,195,598.6	12.84	15.15 (14.87, 15.44)	20,079,751	1,836	3
2023	7,706	23,564	82,580,950	25,736,844,768	70,463,640.7	9.33	10.94 (10.69, 11.18)	6,285,497	816	3
2024	1,250	2,306	47,635,122	7,307,455,114	20,006,721.7	2.62	6.25 (5.91, 6.60)	262,390	210	2
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
2017	22,053	66,867	149,331,414	45,677,489,604	125,058,150.9	14.77	17.63 (17.40, 17.87)	114,674,582	5,200	3
2018	22,068	69,892	149,607,556	46,090,987,575	126,190,246.6	14.75	17.49 (17.26, 17.72)	104,942,390	4,755	3
2019	19,005	58,945	152,356,002	46,679,519,939	127,801,560.4	12.47	14.87 (14.66, 15.08)	76,302,845	4,015	3
2020	15,603	48,456	154,103,564	48,619,808,367	133,113,780.6	10.13	11.72 (11.54, 11.91)	50,812,854	3,257	3
2021	13,856	43,455	158,171,725	50,838,305,691	139,187,695.3	8.76	9.95 (9.79, 10.12)	34,680,837	2,503	3
2022	10,529	33,201	85,187,507	26,369,442,398	72,195,598.6	12.36	14.58 (14.31, 14.87)	18,634,070	1,770	3
2023	7,451	21,856	82,580,950	25,736,844,768	70,463,640.7	9.02	10.57 (10.34, 10.82)	5,877,096	789	3
2024	1,209	2,218	47,635,122	7,307,455,114	20,006,721.7	2.54	6.04 (5.71, 6.39)	253,740	210	2
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
2017	11,627	26,868	149,331,414	45,677,489,604	125,058,150.9	7.79	9.30 (9.13, 9.47)	47,472,227	4,083	2
2018	11,733	26,922	149,607,556	46,090,987,575	126,190,246.6	7.84	9.30 (9.13, 9.47)	41,768,559	3,560	2

**Table 5. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Year**

	Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2019	10,811	24,714	152,356,002	46,679,519,939	127,801,560.4	7.10	8.46 (8.30, 8.62)	32,778,042	3,032	2
2020	9,220	21,021	154,103,564	48,619,808,367	133,113,780.6	5.98	6.93 (6.79, 7.07)	22,544,368	2,445	2
2021	8,435	18,620	158,171,725	50,838,305,691	139,187,695.3	5.33	6.06 (5.93, 6.19)	15,239,203	1,807	2
2022	6,454	14,439	85,187,507	26,369,442,398	72,195,598.6	7.58	8.94 (8.72, 9.16)	8,347,306	1,293	2
2023	4,601	9,552	82,580,950	25,736,844,768	70,463,640.7	5.57	6.53 (6.34, 6.72)	2,643,125	574	2
2024	722	1,117	47,635,122	7,307,455,114	20,006,721.7	1.52	3.61 (3.35, 3.88)	127,183	176	2
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</b>										
2017	397	770	149,331,414	45,677,489,604	125,058,150.9	0.27	0.32 (0.29, 0.35)	1,351,969	3,405	2
2018	475	992	149,607,556	46,090,987,575	126,190,246.6	0.32	0.38 (0.34, 0.41)	1,520,458	3,201	2
2019	543	1,098	152,356,002	46,679,519,939	127,801,560.4	0.36	0.42 (0.39, 0.46)	1,426,847	2,628	2
2020	634	1,280	154,103,564	48,619,808,367	133,113,780.6	0.41	0.48 (0.44, 0.51)	1,305,210	2,059	2
2021	887	1,827	158,171,725	50,838,305,691	139,187,695.3	0.56	0.64 (0.60, 0.68)	1,431,314	1,614	2
2022	735	1,434	85,187,507	26,369,442,398	72,195,598.6	0.86	1.02 (0.95, 1.09)	809,980	1,102	2
2023	713	1,409	82,580,950	25,736,844,768	70,463,640.7	0.86	1.01 (0.94, 1.09)	389,026	546	2
2024	252	362	47,635,122	7,307,455,114	20,006,721.7	0.53	1.26 (1.11, 1.43)	36,697	146	1
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider</b>										
2017	374	695	149,331,414	45,677,489,604	125,058,150.9	0.25	0.30 (0.27, 0.33)	1,249,048	3,340	2
2018	451	931	149,607,556	46,090,987,575	126,190,246.6	0.30	0.36 (0.33, 0.39)	1,447,033	3,208	2
2019	520	1,042	152,356,002	46,679,519,939	127,801,560.4	0.34	0.41 (0.37, 0.44)	1,360,596	2,617	2
2020	607	1,190	154,103,564	48,619,808,367	133,113,780.6	0.39	0.46 (0.42, 0.49)	1,222,868	2,015	2
2021	854	1,692	158,171,725	50,838,305,691	139,187,695.3	0.54	0.61 (0.57, 0.66)	1,318,191	1,544	2
2022	706	1,348	85,187,507	26,369,442,398	72,195,598.6	0.83	0.98 (0.91, 1.05)	762,529	1,080	2
2023	690	1,316	82,580,950	25,736,844,768	70,463,640.7	0.84	0.98 (0.91, 1.06)	357,433	518	2
2024	227	320	47,635,122	7,307,455,114	20,006,721.7	0.48	1.13 (1.00, 1.29)	32,097	141	1
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
2017	353	643	149,331,414	45,677,489,604	125,058,150.9	0.24	0.28 (0.25, 0.31)	1,163,959	3,297	2
2018	424	854	149,607,556	46,090,987,575	126,190,246.6	0.28	0.34 (0.31, 0.37)	1,330,755	3,139	2
2019	486	953	152,356,002	46,679,519,939	127,801,560.4	0.32	0.38 (0.35, 0.42)	1,260,838	2,594	2
2020	571	1,095	154,103,564	48,619,808,367	133,113,780.6	0.37	0.43 (0.40, 0.47)	1,131,448	1,982	2
2021	810	1,577	158,171,725	50,838,305,691	139,187,695.3	0.51	0.58 (0.54, 0.62)	1,231,212	1,520	2

**Table 5. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Year**

	Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2022	662	1,228	85,187,507	26,369,442,398	72,195,598.6	0.78	0.92 (0.85, 0.99)	692,160	1,046	2
2023	650	1,228	82,580,950	25,736,844,768	70,463,640.7	0.79	0.92 (0.85, 1.00)	337,112	519	2
2024	212	297	47,635,122	7,307,455,114	20,006,721.7	0.45	1.06 (0.93, 1.21)	30,216	143	1
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
2017	255	426	149,331,414	45,677,489,604	125,058,150.9	0.17	0.20 (0.18, 0.23)	753,414	2,955	2
2018	306	569	149,607,556	46,090,987,575	126,190,246.6	0.20	0.24 (0.22, 0.27)	880,296	2,877	2
2019	361	621	152,356,002	46,679,519,939	127,801,560.4	0.24	0.28 (0.25, 0.31)	818,577	2,268	2
2020	398	710	154,103,564	48,619,808,367	133,113,780.6	0.26	0.30 (0.27, 0.33)	747,162	1,877	2
2021	551	998	158,171,725	50,838,305,691	139,187,695.3	0.35	0.40 (0.36, 0.43)	802,481	1,456	2
2022	450	787	85,187,507	26,369,442,398	72,195,598.6	0.53	0.62 (0.57, 0.68)	459,041	1,020	2
2023	461	820	82,580,950	25,736,844,768	70,463,640.7	0.56	0.65 (0.60, 0.72)	227,712	494	2
2024	159	203	47,635,122	7,307,455,114	20,006,721.7	0.33	0.79 (0.68, 0.93)	20,325	128	1

**Table 5. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Year**

Number of Patients per Calendar Year	Number of Index Dates <sup>2</sup> per Calendar Year	Number of Eligible Members <sup>3</sup> per Calendar Year	Total Eligible Member-Days <sup>3</sup> per Calendar Year	Total Eligible Member-Years <sup>3</sup> per Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95%Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
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<sup>1</sup>- Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

- Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

- Other lupus erythematosus, defined by ICD-10 code L93.2.

- Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

- Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

- Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

- Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

- We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D and E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>3</sup>Eligible Members, Member-Days, and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period. Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study. In stratified analyses, members may appear in more than one stratum due to changes in characteristics over time, such as transitioning into a new age group or a new calendar year. This could result in multiple counting of the same individual across different strata. However, while the number of eligible members in each stratum may add up to more than the overall total, each day or year of eligibility is counted only once for each individual, regardless of how many strata they appear in. As a result, the sum of stratified Member-Days/Years will match the overall total. The totals for Eligible Member-Days and Eligible Member-Years are based on each patient's time unit (whether in days or years), counted only once, regardless of their presence in multiple strata, since each individual can only contribute their time to one stratum at a time.

<sup>4</sup>Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment. The calculation is not affected by age group or calendar year stratifications. Specifically, even if a patient's last day of enrollment falls outside the age group or calendar year in which they were indexed, the observable days continue to be counted until the last day of enrollment, even if this extends beyond the original stratification.

NaN: Not a number

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per Race Category	Number of Index Dates <sup>3</sup> per Race Category	Number of Eligible Members <sup>4</sup> per Race Category	Total Eligible Member-Days <sup>4</sup> per Race Category	Total Eligible Member-Years <sup>4</sup> per Race Category
<b>Patients with Discoid Lupus Erythematosus</b>					
American Indian or Alaska Native	2,206	10,109	1,956,045	2,130,478,885	5,832,933.3
Asian	4,883	22,223	7,378,082	8,561,206,236	23,439,305.2
Black or African American	55,000	341,967	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	450	2,045	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	484	2,054	758,338	845,404,159	2,314,590.4
Unknown	77,864	315,868	133,026,155	121404242414	332,386,700.7
White	149,892	707,326	100,543,523	133237003131	364,783,033.9
<b>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	2,126	9,662	1,956,045	2,130,478,885	5,832,933.3
Asian	4,626	20,036	7,378,082	8,561,206,236	23,439,305.2
Black or African American	52,708	298,256	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	66,916	252,232	133,026,155	121404242414	332,386,700.7
White	142,668	644,624	100,543,523	133237003131	364,783,033.9
<b>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	1,838	8,079	1,956,045	2,130,478,885	5,832,933.3
Asian	4,019	16,394	7,378,082	8,561,206,236	23,439,305.2
Black or African American	48,796	257,208	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	373	1,497	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	416	1,570	758,338	845,404,159	2,314,590.4
Unknown	61,449	214,479	133,026,155	121404242414	332,386,700.7
White	130,669	583,597	100,543,523	133237003131	364,783,033.9
<b>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	345	1,023	1,956,045	2,130,478,885	5,832,933.3
Asian	1,532	5,543	7,378,082	8,561,206,236	23,439,305.2
Black or African American	18,466	74,251	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	155	624	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	152	582	758,338	845,404,159	2,314,590.4
Unknown	20,531	66,910	133,026,155	121404242414	332,386,700.7
White	34,360	127,613	100,543,523	133237003131	364,783,033.9

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per Race Category	Number of Index Dates <sup>3</sup> per Race Category	Number of Eligible Members <sup>4</sup> per Race Category	Total Eligible Member-Days <sup>4</sup> per Race Category	Total Eligible Member-Years <sup>4</sup> per Race Category
<b>Patients with Subacute Cutaneous Lupus Erythematosus</b>					
American Indian or Alaska Native	217	792	1,956,045	2,130,478,885	5,832,933.3
Asian	616	2,244	7,378,082	8,561,206,236	23,439,305.2
Black or African American	4,468	15,916	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	57	211	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	66	224	758,338	845,404,159	2,314,590.4
Unknown	11,477	37,194	133,026,155	121404242414	332,386,700.7
White	32,123	153,893	100,543,523	133237003131	364,783,033.9
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	*****	*****	1,956,045	2,130,478,885	5,832,933.3
Asian	572	1,708	7,378,082	8,561,206,236	23,439,305.2
Black or African American	4,263	14,636	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	9,938	30,734	133,026,155	121404242414	332,386,700.7
White	31,054	146,159	100,543,523	133237003131	364,783,033.9
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	176	680	1,956,045	2,130,478,885	5,832,933.3
Asian	495	1,467	7,378,082	8,561,206,236	23,439,305.2
Black or African American	3,782	13,080	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	46	142	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	47	156	758,338	845,404,159	2,314,590.4
Unknown	9,116	27,526	133,026,155	121404242414	332,386,700.7
White	28,619	132,851	100,543,523	133237003131	364,783,033.9
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	85	324	1,956,045	2,130,478,885	5,832,933.3
Asian	306	749	7,378,082	8,561,206,236	23,439,305.2
Black or African American	1,930	5,766	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	27	77	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	25	94	758,338	845,404,159	2,314,590.4
Unknown	5,525	15,891	133,026,155	121404242414	332,386,700.7
White	18,779	78,235	100,543,523	133237003131	364,783,033.9

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per Race Category	Number of Index Dates <sup>3</sup> per Race Category	Number of Eligible Members <sup>4</sup> per Race Category	Total Eligible Member-Days <sup>4</sup> per Race Category	Total Eligible Member-Years <sup>4</sup> per Race Category
<b>Patients with Other Lupus Erythematosus</b>					
American Indian or Alaska Native	492	3,283	1,956,045	2,130,478,885	5,832,933.3
Asian	1,625	7,372	7,378,082	8,561,206,236	23,439,305.2
Black or African American	13,722	82,237	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	134	536	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	152	561	758,338	845,404,159	2,314,590.4
Unknown	24,511	88,196	133,026,155	121404242414	332,386,700.7
White	51,786	212,909	100,543,523	133237003131	364,783,033.9
<b>Patients with Other Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	458	2,284	1,956,045	2,130,478,885	5,832,933.3
Asian	1,544	6,664	7,378,082	8,561,206,236	23,439,305.2
Black or African American	13,044	64,649	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	20,764	69,554	133,026,155	121404242414	332,386,700.7
White	49,625	198,391	100,543,523	133237003131	364,783,033.9
<b>Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	403	2,114	1,956,045	2,130,478,885	5,832,933.3
Asian	1,297	5,272	7,378,082	8,561,206,236	23,439,305.2
Black or African American	11,710	48,093	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	111	376	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	129	436	758,338	845,404,159	2,314,590.4
Unknown	18,567	55,256	133,026,155	121404242414	332,386,700.7
White	44,727	176,412	100,543,523	133237003131	364,783,033.9
<b>Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	96	344	1,956,045	2,130,478,885	5,832,933.3
Asian	601	1,937	7,378,082	8,561,206,236	23,439,305.2
Black or African American	4,558	14,846	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	61	167	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	64	209	758,338	845,404,159	2,314,590.4
Unknown	7,915	21,559	133,026,155	121404242414	332,386,700.7
White	18,567	62,285	100,543,523	133237003131	364,783,033.9

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per Race Category	Number of Index Dates <sup>3</sup> per Race Category	Number of Eligible Members <sup>4</sup> per Race Category	Total Eligible Member-Days <sup>4</sup> per Race Category	Total Eligible Member-Years <sup>4</sup> per Race Category
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus</b>					
American Indian or Alaska Native	1,006	9,143	1,956,045	2,130,478,885	5,832,933.3
Asian	1,550	16,242	7,378,082	8,561,206,236	23,439,305.2
Black or African American	21,355	211,330	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	201	1,630	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	183	1,193	758,338	845,404,159	2,314,590.4
Unknown	30,159	210,616	133,026,155	121404242414	332,386,700.7
White	69,267	608,855	100,543,523	133237003131	364,783,033.9
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any</b>					
American Indian or Alaska Native	977	8,699	1,956,045	2,130,478,885	5,832,933.3
Asian	1,474	14,224	7,378,082	8,561,206,236	23,439,305.2
Black or African American	20,478	175,324	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	26,343	159,014	133,026,155	121404242414	332,386,700.7
White	66,496	543,927	100,543,523	133237003131	364,783,033.9
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider</b>					
American Indian or Alaska Native	905	7,697	1,956,045	2,130,478,885	5,832,933.3
Asian	1,334	10,698	7,378,082	8,561,206,236	23,439,305.2
Black or African American	19,128	149,962	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	170	974	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	149	703	758,338	845,404,159	2,314,590.4
Unknown	24,851	137,405	133,026,155	121404242414	332,386,700.7
White	62,938	495,653	100,543,523	133237003131	364,783,033.9
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a</b>					
American Indian or Alaska Native	301	1,342	1,956,045	2,130,478,885	5,832,933.3
Asian	696	4,175	7,378,082	8,561,206,236	23,439,305.2
Black or African American	7,624	37,105	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	57	283	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	63	248	758,338	845,404,159	2,314,590.4
Unknown	10,254	46,886	133,026,155	121404242414	332,386,700.7
White	20,134	109,108	100,543,523	133237003131	364,783,033.9

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per Race Category	Number of Index Dates <sup>3</sup> per Race Category	Number of Eligible Members <sup>4</sup> per Race Category	Total Eligible Member-Days <sup>4</sup> per Race Category	Total Eligible Member-Years <sup>4</sup> per Race Category
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus</b>					
American Indian or Alaska Native	1,031	4,915	1,956,045	2,130,478,885	5,832,933.3
Asian	2,135	9,681	7,378,082	8,561,206,236	23,439,305.2
Black or African American	27,096	165,364	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	165	747	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	191	707	758,338	845,404,159	2,314,590.4
Unknown	26,977	120,395	133,026,155	121404242414	332,386,700.7
White	66,858	314,242	100,543,523	133237003131	364,783,033.9
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	995	4,744	1,956,045	2,130,478,885	5,832,933.3
Asian	2,032	8,547	7,378,082	8,561,206,236	23,439,305.2
Black or African American	26,157	145,628	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	24,219	97,383	133,026,155	121404242414	332,386,700.7
White	64,288	289,827	100,543,523	133237003131	364,783,033.9
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	887	4,062	1,956,045	2,130,478,885	5,832,933.3
Asian	1,862	7,292	7,378,082	8,561,206,236	23,439,305.2
Black or African American	24,767	127,258	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	138	539	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	167	550	758,338	845,404,159	2,314,590.4
Unknown	22,589	82,569	133,026,155	121404242414	332,386,700.7
White	61,262	266,312	100,543,523	133237003131	364,783,033.9
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	148	373	1,956,045	2,130,478,885	5,832,933.3
Asian	615	2,213	7,378,082	8,561,206,236	23,439,305.2
Black or African American	8,455	33,918	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	52	213	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	47	167	758,338	845,404,159	2,314,590.4
Unknown	6,717	22,813	133,026,155	121404242414	332,386,700.7
White	14,491	54,164	100,543,523	133237003131	364,783,033.9

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per Race Category	Number of Index Dates <sup>3</sup> per Race Category	Number of Eligible Members <sup>4</sup> per Race Category	Total Eligible Member-Days <sup>4</sup> per Race Category	Total Eligible Member-Years <sup>4</sup> per Race Category
<b>Patients with Mixed Cutaneous Lupus Erythematosus</b>					
American Indian or Alaska Native	308	2,792	1,956,045	2,130,478,885	5,832,933.3
Asian	814	5,170	7,378,082	8,561,206,236	23,439,305.2
Black or African American	9,088	79,553	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	80	514	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	84	535	758,338	845,404,159	2,314,590.4
Unknown	12,956	78,215	133,026,155	121404242414	332,386,700.7
White	33,168	257,571	100,543,523	133237003131	364,783,033.9
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	*****	*****	1,956,045	2,130,478,885	5,832,933.3
Asian	789	4,906	7,378,082	8,561,206,236	23,439,305.2
Black or African American	8,861	69,153	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	11,914	62,652	133,026,155	121404242414	332,386,700.7
White	32,408	243,628	100,543,523	133237003131	364,783,033.9
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	280	2,451	1,956,045	2,130,478,885	5,832,933.3
Asian	735	4,317	7,378,082	8,561,206,236	23,439,305.2
Black or African American	8,372	59,928	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	11,266	54,139	133,026,155	121404242414	332,386,700.7
White	30,913	223,227	100,543,523	133237003131	364,783,033.9
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	102	457	1,956,045	2,130,478,885	5,832,933.3
Asian	448	1,926	7,378,082	8,561,206,236	23,439,305.2
Black or African American	4,594	21,407	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	46	255	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	42	208	758,338	845,404,159	2,314,590.4
Unknown	6,631	24,521	133,026,155	121404242414	332,386,700.7
White	19,149	94,479	100,543,523	133237003131	364,783,033.9

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per Race Category	Number of Index Dates <sup>3</sup> per Race Category	Number of Eligible Members <sup>4</sup> per Race Category	Total Eligible Member-Days <sup>4</sup> per Race Category	Total Eligible Member-Years <sup>4</sup> per Race Category
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</b>					
American Indian or Alaska Native	*****	*****	1,956,045	2,130,478,885	5,832,933.3
Asian	109	377	7,378,082	8,561,206,236	23,439,305.2
Black or African American	179	539	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	900	2,720	133,026,155	121404242414	332,386,700.7
White	1,611	5,454	100,543,523	133237003131	364,783,033.9
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	*****	*****	1,956,045	2,130,478,885	5,832,933.3
Asian	*****	*****	7,378,082	8,561,206,236	23,439,305.2
Black or African American	*****	*****	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	840	2,392	133,026,155	121404242414	332,386,700.7
White	1,578	5,243	100,543,523	133237003131	364,783,033.9
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	*****	*****	1,956,045	2,130,478,885	5,832,933.3
Asian	*****	*****	7,378,082	8,561,206,236	23,439,305.2
Black or African American	161	442	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	785	2,148	133,026,155	121404242414	332,386,700.7
White	1,511	4,880	100,543,523	133237003131	364,783,033.9
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	*****	*****	1,956,045	2,130,478,885	5,832,933.3
Asian	81	238	7,378,082	8,561,206,236	23,439,305.2
Black or African American	121	313	27,433,304	29,981,996,765	82,086,233.4
Multi-racial	*****	*****	974,230	1,159,521,866	3,174,597.9
Native Hawaiian or Other Pacific Islander	*****	*****	758,338	845,404,159	2,314,590.4
Unknown	568	1,457	133,026,155	121404242414	332,386,700.7
White	1,040	3,087	100,543,523	133237003131	364,783,033.9

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per Race Category	Number of Index Dates <sup>3</sup> per Race Category	Number of Eligible Members <sup>4</sup> per Race Category	Total Eligible Member-Days <sup>4</sup> per Race Category	Total Eligible Member-Years <sup>4</sup> per Race Category
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- <sup>1</sup>- Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.
- Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.
- Other lupus erythematosus, defined by ICD-10 code L93.2.
- Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.
- Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.
- Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.
- Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.
- We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D, and E..

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

- <sup>2</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.
- <sup>3</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.
- <sup>4</sup>Eligible Members, Member-Days, and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period. Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study.
- <sup>5</sup>Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Total Observable Days Among Patients <sup>5</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Discoid Lupus Erythematosus</b>					
American Indian or Alaska Native	112.78	37.82 (36.27, 39.43)	9,174,604	4,159	5
Asian	66.18	20.83 (20.26, 21.43)	20,254,465	4,148	5
Black or African American	200.49	67.00 (66.45, 67.57)	295,305,675	5,369	6
Multi-racial	46.19	14.18 (12.92, 15.55)	1,708,051	3,796	5
Native Hawaiian or Other Pacific Islander	63.82	20.91 (19.13, 22.86)	1,669,620	3,450	4
Unknown	58.53	23.43 (23.26, 23.59)	256,796,747	3,298	4
White	149.08	41.09 (40.88, 41.30)	704,293,866	4,699	5
<b>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	108.69	36.45 (34.93, 38.03)	8,881,587	4,178	5
Asian	62.70	19.74 (19.18, 20.31)	18,544,474	4,009	4
Black or African American	192.13	64.21 (63.66, 64.76)	262,278,883	4,976	6
Multi-racial	*****	*****	1,667,652	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	1,511,312	*****	*****
Unknown	50.30	20.13 (19.98, 20.29)	207,138,206	3,095	4
White	141.90	39.11 (38.91, 39.31)	651,548,558	4,567	5
<b>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	93.97	31.51 (30.10, 32.98)	7,573,241	4,120	4
Asian	54.47	17.15 (16.62, 17.68)	15,376,937	3,826	4
Black or African American	177.87	59.44 (58.92, 59.97)	227,531,084	4,663	5
Multi-racial	38.29	11.75 (10.62, 13.00)	1,238,976	3,322	4
Native Hawaiian or Other Pacific Islander	54.86	17.97 (16.33, 19.79)	1,266,584	3,045	4
Unknown	46.19	18.49 (18.34, 18.63)	175,377,681	2,854	3
White	129.96	35.82 (35.63, 36.02)	591,144,193	4,524	4
<b>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	17.64	5.91 (5.32, 6.57)	892,420	2,587	3
Asian	20.76	6.54 (6.22, 6.87)	5,149,939	3,362	4
Black or African American	67.31	22.50 (22.17, 22.82)	66,996,814	3,628	4
Multi-racial	15.91	4.88 (4.17, 5.71)	532,866	3,438	4
Native Hawaiian or Other Pacific Islander	20.04	6.57 (5.60, 7.70)	481,869	3,170	4
Unknown	15.43	6.18 (6.09, 6.26)	55,409,470	2,699	3

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Total Observable Days Among Patients <sup>5</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
White	34.17	9.42 (9.32, 9.52)	138,002,237	4,016	4
<b>Patients with Subacute Cutaneous Lupus Erythematosus</b>					
American Indian or Alaska Native	11.09	3.72 (3.26, 4.25)	757,765	3,492	4
Asian	8.35	2.63 (2.43, 2.84)	1,956,278	3,176	4
Black or African American	16.29	5.44 (5.29, 5.61)	13,768,069	3,081	4
Multi-racial	5.85	1.80 (1.38, 2.33)	196,892	3,454	4
Native Hawaiian or Other Pacific Islander	8.70	2.85 (2.24, 3.63)	180,205	2,730	3
Unknown	8.63	3.45 (3.39, 3.52)	29,487,321	2,569	3
White	31.95	8.81 (8.71, 8.90)	148,374,901	4,619	5
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	*****	*****	739,501	*****	*****
Asian	7.75	2.44 (2.25, 2.65)	1,465,832	2,563	3
Black or African American	15.54	5.19 (5.04, 5.35)	12,733,136	2,987	3
Multi-racial	*****	*****	192,704	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	157,481	*****	*****
Unknown	7.47	2.99 (2.93, 3.05)	24,466,601	2,462	3
White	30.89	8.51 (8.42, 8.61)	141,580,346	4,559	5
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	9.00	3.02 (2.60, 3.50)	667,959	3,795	4
Asian	6.71	2.11 (1.93, 2.31)	1,272,060	2,570	3
Black or African American	13.79	4.61 (4.46, 4.76)	11,371,034	3,007	3
Multi-racial	4.72	1.45 (1.09, 1.93)	127,810	2,778	3
Native Hawaiian or Other Pacific Islander	6.20	2.03 (1.53, 2.70)	133,586	2,842	3
Unknown	6.85	2.74 (2.69, 2.80)	22,177,710	2,433	3
White	28.46	7.85 (7.76, 7.94)	128,268,872	4,482	5
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	4.35	1.46 (1.18, 1.80)	319,204	3,755	4
Asian	4.15	1.31 (1.17, 1.46)	667,793	2,182	2
Black or African American	7.04	2.35 (2.25, 2.46)	5,210,906	2,700	3
Multi-racial	2.77	0.85 (0.58, 1.24)	72,778	2,695	3
Native Hawaiian or Other Pacific Islander	3.30	1.08 (0.73, 1.60)	82,387	3,295	4

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Total Observable Days Among Patients <sup>5</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
Unknown	4.15	1.66 (1.62, 1.71)	13,238,046	2,396	3
White	18.68	5.15 (5.07, 5.22)	79,037,539	4,209	4
<b>Patients with Other Lupus Erythematosus</b>					
American Indian or Alaska Native	25.15	8.43 (7.72, 9.21)	2,711,934	5,512	7
Asian	22.02	6.93 (6.60, 7.28)	6,832,923	4,205	5
Black or African American	50.02	16.72 (16.44, 17.00)	73,724,734	5,373	6
Multi-racial	13.75	4.22 (3.56, 5.00)	486,129	3,628	4
Native Hawaiian or Other Pacific Islander	20.04	6.57 (5.60, 7.70)	445,477	2,931	4
Unknown	18.43	7.37 (7.28, 7.47)	69,319,498	2,828	4
White	51.51	14.20 (14.07, 14.32)	205,453,788	3,967	4
<b>Patients with Other Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	23.41	7.85 (7.16, 8.61)	2,067,637	4,514	5
Asian	20.93	6.59 (6.27, 6.92)	6,160,782	3,990	4
Black or African American	47.55	15.89 (15.62, 16.17)	57,605,183	4,416	5
Multi-racial	*****	*****	465,561	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	427,704	*****	*****
Unknown	15.61	6.25 (6.16, 6.33)	55,468,286	2,671	3
White	49.36	13.60 (13.48, 13.72)	192,745,547	3,884	4
<b>Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	20.60	6.91 (6.27, 7.62)	1,913,682	4,749	5
Asian	17.58	5.53 (5.24, 5.84)	5,068,894	3,908	4
Black or African American	42.69	14.27 (14.01, 14.53)	43,930,024	3,751	4
Multi-racial	11.39	3.50 (2.90, 4.21)	347,941	3,135	3
Native Hawaiian or Other Pacific Islander	17.01	5.57 (4.69, 6.62)	356,862	2,766	3
Unknown	13.96	5.59 (5.51, 5.67)	44,113,095	2,376	3
White	44.49	12.26 (12.15, 12.38)	171,650,335	3,838	4
<b>Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	4.91	1.65 (1.35, 2.01)	305,273	3,180	4
Asian	8.15	2.56 (2.37, 2.78)	1,779,907	2,962	3
Black or African American	16.61	5.55 (5.39, 5.72)	13,509,641	2,964	3
Multi-racial	6.26	1.92 (1.50, 2.47)	154,040	2,525	3

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Total Observable Days Among Patients <sup>5</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
Native Hawaiian or Other Pacific Islander	8.44	2.77 (2.16, 3.53)	179,193	2,800	3
Unknown	5.95	2.38 (2.33, 2.43)	17,500,548	2,211	3
White	18.47	5.09 (5.02, 5.16)	62,241,794	3,352	3
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus</b>					
American Indian or Alaska Native	51.43	17.25 (16.21, 18.35)	7,408,266	7,364	9
Asian	21.01	6.61 (6.29, 6.95)	14,284,980	9,216	10
Black or African American	77.84	26.02 (25.67, 26.37)	170,860,103	8,001	10
Multi-racial	20.63	6.33 (5.51, 7.27)	1,420,697	7,068	8
Native Hawaiian or Other Pacific Islander	24.13	7.91 (6.84, 9.14)	936,237	5,116	7
Unknown	22.67	9.07 (8.97, 9.18)	158,673,752	5,261	7
White	68.89	18.99 (18.85, 19.13)	555,619,647	8,021	9
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any</b>					
American Indian or Alaska Native	49.95	16.75 (15.73, 17.83)	7,127,913	7,296	9
Asian	19.98	6.29 (5.98, 6.62)	12,670,036	8,596	10
Black or African American	74.65	24.95 (24.61, 25.29)	146,660,781	7,162	9
Multi-racial	*****	*****	1,310,741	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	794,258	*****	*****
Unknown	19.80	7.93 (7.83, 8.02)	123,065,238	4,672	6
White	66.14	18.23 (18.09, 18.37)	503,002,911	7,564	8
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider</b>					
American Indian or Alaska Native	46.27	15.52 (14.54, 16.56)	6,342,089	7,008	9
Asian	18.08	5.69 (5.39, 6.01)	9,424,973	7,065	8
Black or African American	69.73	23.30 (22.97, 23.63)	126,628,419	6,620	8
Multi-racial	17.45	5.36 (4.61, 6.22)	785,378	4,620	6
Native Hawaiian or Other Pacific Islander	19.65	6.44 (5.48, 7.56)	560,599	3,762	5
Unknown	18.68	7.48 (7.38, 7.57)	107,136,665	4,311	6
White	62.60	17.25 (17.12, 17.39)	457,449,541	7,268	8
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a</b>					
American Indian or Alaska Native	15.39	5.16 (4.61, 5.78)	1,185,119	3,937	4
Asian	9.43	2.97 (2.76, 3.20)	3,785,409	5,439	6
Black or African American	27.79	9.29 (9.08, 9.50)	33,075,754	4,338	5

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Total Observable Days Among Patients <sup>5</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
Multi-racial	5.85	1.80 (1.38, 2.33)	234,746	4,118	5
Native Hawaiian or Other Pacific Islander	8.31	2.72 (2.13, 3.48)	184,595	2,930	4
Unknown	7.71	3.08 (3.03, 3.15)	38,402,541	3,745	5
White	20.03	5.52 (5.44, 5.60)	111,969,583	5,561	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus</b>					
American Indian or Alaska Native	52.71	17.68 (16.63, 18.79)	6,204,774	6,018	5
Asian	28.94	9.11 (8.73, 9.50)	11,996,611	5,619	5
Black or African American	98.77	33.01 (32.62, 33.40)	200,830,018	7,412	6
Multi-racial	16.94	5.20 (4.46, 6.05)	870,487	5,276	5
Native Hawaiian or Other Pacific Islander	25.19	8.25 (7.16, 9.51)	788,198	4,127	4
Unknown	20.28	8.12 (8.02, 8.21)	146,542,372	5,432	4
White	66.50	18.33 (18.19, 18.47)	431,376,983	6,452	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	50.87	17.06 (16.03, 18.15)	6,005,255	6,035	5
Asian	27.54	8.67 (8.30, 9.05)	10,870,225	5,350	4
Black or African American	95.35	31.87 (31.48, 32.25)	178,876,364	6,839	6
Multi-racial	*****	*****	843,918	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	711,630	*****	*****
Unknown	18.21	7.29 (7.20, 7.38)	119,241,317	4,923	4
White	63.94	17.62 (17.49, 17.76)	400,495,722	6,230	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	45.35	15.21 (14.24, 16.24)	5,215,936	5,880	5
Asian	25.24	7.94 (7.59, 8.31)	9,336,074	5,014	4
Black or African American	90.28	30.17 (29.80, 30.55)	157,221,569	6,348	5
Multi-racial	14.17	4.35 (3.68, 5.14)	596,979	4,326	4
Native Hawaiian or Other Pacific Islander	22.02	7.22 (6.20, 8.40)	636,532	3,812	3
Unknown	16.98	6.80 (6.71, 6.89)	101,535,300	4,495	4
White	60.93	16.79 (16.66, 16.93)	368,563,357	6,016	4
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	7.57	2.54 (2.16, 2.98)	479,090	3,237	3

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Total Observable Days Among Patients <sup>5</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
Asian	8.34	2.62 (2.42, 2.84)	2,787,692	4,533	4
Black or African American	30.82	10.30 (10.08, 10.52)	42,536,890	5,031	4
Multi-racial	5.34	1.64 (1.25, 2.15)	237,715	4,571	4
Native Hawaiian or Other Pacific Islander	6.20	2.03 (1.53, 2.70)	196,846	4,188	4
Unknown	5.05	2.02 (1.97, 2.07)	28,356,982	4,222	3
White	14.41	3.97 (3.91, 4.04)	77,779,947	5,367	4
<b>Patients with Mixed Cutaneous Lupus Erythematosus</b>					
American Indian or Alaska Native	15.75	5.28 (4.72, 5.90)	3,318,169	10,773	9
Asian	11.03	3.47 (3.24, 3.72)	5,955,015	7,316	6
Black or African American	33.13	11.07 (10.85, 11.30)	89,525,993	9,851	9
Multi-racial	8.21	2.52 (2.02, 3.14)	524,454	6,556	6
Native Hawaiian or Other Pacific Islander	11.08	3.63 (2.93, 4.49)	493,525	5,875	6
Unknown	9.74	3.90 (3.83, 3.97)	83,670,495	6,458	6
White	32.99	9.09 (9.00, 9.19)	312,801,593	9,431	8
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	*****	*****	3,168,905	*****	*****
Asian	10.69	3.37 (3.14, 3.61)	5,661,212	7,175	6
Black or African American	32.30	10.79 (10.57, 11.02)	78,207,304	8,826	8
Multi-racial	*****	*****	500,901	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	462,389	*****	*****
Unknown	8.96	3.58 (3.52, 3.65)	66,977,774	5,622	5
White	32.23	8.88 (8.79, 8.98)	296,921,522	9,162	8
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	14.31	4.80 (4.27, 5.40)	2,905,287	10,376	9
Asian	9.96	3.14 (2.92, 3.37)	5,015,956	6,824	6
Black or African American	30.52	10.20 (9.98, 10.42)	67,911,781	8,112	7
Multi-racial	*****	*****	409,297	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	390,721	*****	*****
Unknown	8.47	3.39 (3.33, 3.45)	57,845,793	5,135	5
White	30.75	8.47 (8.38, 8.57)	271,699,579	8,789	7
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Total Observable Days Among Patients <sup>5</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
American Indian or Alaska Native	5.21	1.75 (1.44, 2.12)	528,879	5,185	4
Asian	6.07	1.91 (1.74, 2.10)	2,208,233	4,929	4
Black or African American	16.75	5.60 (5.44, 5.76)	24,187,702	5,265	5
Multi-racial	4.72	1.45 (1.09, 1.93)	238,243	5,179	6
Native Hawaiian or Other Pacific Islander	5.54	1.81 (1.34, 2.46)	192,820	4,591	5
Unknown	4.98	1.99 (1.95, 2.04)	26,125,615	3,940	4
White	19.05	5.25 (5.18, 5.32)	117,438,521	6,133	5
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</b>					
American Indian or Alaska Native	*****	*****	14,195	*****	*****
Asian	1.48	0.47 (0.39, 0.56)	342,240	3,140	3
Black or African American	0.65	0.22 (0.19, 0.25)	416,454	2,327	3
Multi-racial	*****	*****	25,729	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	29,246	*****	*****
Unknown	0.68	0.27 (0.25, 0.29)	2,085,364	2,317	3
White	1.60	0.44 (0.42, 0.46)	5,358,273	3,326	3
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider</b>					
American Indian or Alaska Native	*****	*****	9,585	*****	*****
Asian	*****	*****	322,348	*****	*****
Black or African American	*****	*****	353,421	*****	*****
Multi-racial	*****	*****	25,729	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	29,246	*****	*****
Unknown	0.63	0.25 (0.24, 0.27)	1,844,513	2,196	3
White	1.57	0.43 (0.41, 0.45)	5,164,953	3,273	3
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>					
American Indian or Alaska Native	*****	*****	8,484	*****	*****
Asian	*****	*****	294,827	*****	*****
Black or African American	0.59	0.20 (0.17, 0.23)	339,844	2,111	3
Multi-racial	*****	*****	22,585	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	28,551	*****	*****
Unknown	0.59	0.24 (0.22, 0.25)	1,675,485	2,134	3

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Total Observable Days Among Patients <sup>5</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
White	1.50	0.41 (0.39, 0.44)	4,807,924	3,182	3
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>					
American Indian or Alaska Native	*****	*****	7,515	*****	*****
Asian	1.10	0.35 (0.28, 0.43)	210,688	2,601	3
Black or African American	0.44	0.15 (0.12, 0.18)	237,008	1,959	3
Multi-racial	*****	*****	19,601	*****	*****
Native Hawaiian or Other Pacific Islander	*****	*****	21,712	*****	*****
Unknown	0.43	0.17 (0.16, 0.19)	1,119,535	1,971	3
White	1.03	0.29 (0.27, 0.30)	3,092,949	2,974	3

**Table 6. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Race<sup>2</sup>**

	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Total Observable Days Among Patients <sup>5</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
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<sup>1</sup>- Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.  
 - Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.  
 - Other lupus erythematosus, defined by ICD-10 code L93.2.  
 - Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.  
 - Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.  
 - Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.  
 - Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.  
 - We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D, and E..  
*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>Race data may not be completely populated at all Data Partners; therefore, data about race may be incomplete.

<sup>3</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>4</sup>Eligible Members, Member-Days, and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period. Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study.

<sup>5</sup>Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 7. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Hispanic Origin<sup>2</sup>**

	Number of Patients per Ethnicity Category	Number of Index Dates <sup>3</sup> per Ethnicity Category	Number of Eligible Members <sup>4</sup> per Ethnicity Category	Total Eligible Member-Days <sup>4</sup> per Ethnicity Category	Total Eligible Member-Years <sup>4</sup> per Ethnicity Category	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient	Number of Index Dates per Patient
<b>Patients with Discoid Lupus Erythematosus</b>										
Yes	17,180	83,218	27,044,494	29,318,785,487	80,270,459.9	63.52	21.40 (21.08, 21.73)	72,538,688	4,222	5
No	212,524	1,083,322	138,484,181	175079994174	479,342,899.9	153.46	44.34 (44.15, 44.53)	1,030,392,860	4,848	5
Unknown	61,075	235,052	106,541,002	92,921,073,795	254,404,035.0	57.33	24.01 (23.82, 24.20)	186,271,480	3,050	4
<b>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</b>										
Yes	16,554	74,272	27,044,494	29,318,785,487	80,270,459.9	61.21	20.62 (20.31, 20.94)	64,466,697	3,894	4
No	202,620	974,062	138,484,181	175079994174	479,342,899.9	146.31	42.27 (42.09, 42.45)	942,465,450	4,651	5
Unknown	50,766	180,304	106,541,002	92,921,073,795	254,404,035.0	47.65	19.95 (19.78, 20.13)	144,638,525	2,849	4
<b>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
Yes	14,285	54,586	27,044,494	29,318,785,487	80,270,459.9	52.82	17.80 (17.51, 18.09)	46,580,371	3,261	4
No	185,719	866,105	138,484,181	175079994174	479,342,899.9	134.11	38.74 (38.57, 38.92)	842,305,562	4,535	5
Unknown	47,556	162,133	106,541,002	92,921,073,795	254,404,035.0	44.64	18.69 (18.53, 18.86)	130,622,763	2,747	3
<b>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
Yes	3,991	13,907	27,044,494	29,318,785,487	80,270,459.9	14.76	4.97 (4.82, 5.13)	11,696,497	2,931	3
No	54,736	208,551	138,484,181	175079994174	479,342,899.9	39.53	11.42 (11.32, 11.52)	211,108,876	3,857	4
Unknown	16,814	54,088	106,541,002	92,921,073,795	254,404,035.0	15.78	6.61 (6.51, 6.71)	44,660,242	2,656	3
<b>Patients with Subacute Cutaneous Lupus Erythematosus</b>										
Yes	1,524	4,545	27,044,494	29,318,785,487	80,270,459.9	5.64	1.90 (1.81, 2.00)	3,786,423	2,485	3
No	37,494	173,067	138,484,181	175079994174	479,342,899.9	27.07	7.82 (7.74, 7.90)	165,076,330	4,403	5
Unknown	10,006	32,862	106,541,002	92,921,073,795	254,404,035.0	9.39	3.93 (3.86, 4.01)	25,858,678	2,584	3
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>										
Yes	1,451	4,240	27,044,494	29,318,785,487	80,270,459.9	5.37	1.81 (1.72, 1.90)	3,513,692	2,422	3
No	36,162	163,448	138,484,181	175079994174	479,342,899.9	26.11	7.54 (7.47, 7.62)	156,729,330	4,334	5
Unknown	8,537	26,692	106,541,002	92,921,073,795	254,404,035.0	8.01	3.36 (3.29, 3.43)	21,092,579	2,471	3
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
Yes	1,236	3,534	27,044,494	29,318,785,487	80,270,459.9	4.57	1.54 (1.46, 1.63)	2,915,100	2,358	3
No	33,120	148,209	138,484,181	175079994174	479,342,899.9	23.92	6.91 (6.84, 6.98)	141,732,727	4,279	4
Unknown	7,925	24,159	106,541,002	92,921,073,795	254,404,035.0	7.44	3.12 (3.05, 3.18)	19,371,204	2,444	3

**Table 7. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Hispanic Origin<sup>2</sup>**

	Number of Patients per Ethnicity Category	Number of Index Dates <sup>3</sup> per Ethnicity Category	Number of Eligible Members <sup>4</sup> per Ethnicity Category	Total Eligible Member-Days <sup>4</sup> per Ethnicity Category	Total Eligible Member-Years <sup>4</sup> per Ethnicity Category	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient	Number of Index Dates per Patient
<b>Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
Yes	649	1,898	27,044,494	29,318,785,487	80,270,459.9	2.40	0.81 (0.75, 0.87)	1,652,287	2,546	3
No	21,118	85,138	138,484,181	175079994174	479,342,899.9	15.25	4.41 (4.35, 4.47)	85,328,329	4,041	4
Unknown	4,910	14,100	106,541,002	92,921,073,795	254,404,035.0	4.61	1.93 (1.88, 1.98)	11,648,037	2,372	3
<b>Patients with Other Lupus Erythematosus</b>										
Yes	5,023	21,760	27,044,494	29,318,785,487	80,270,459.9	18.57	6.26 (6.09, 6.43)	17,720,237	3,528	4
No	67,752	306,177	138,484,181	175079994174	479,342,899.9	48.92	14.13 (14.03, 14.24)	288,956,567	4,265	5
Unknown	19,647	67,157	106,541,002	92,921,073,795	254,404,035.0	18.44	7.72 (7.62, 7.83)	52,297,679	2,662	3
<b>Patients with Other Lupus Erythematosus Coded by Any Known Provider</b>										
Yes	4,790	18,856	27,044,494	29,318,785,487	80,270,459.9	17.71	5.97 (5.80, 6.14)	15,866,107	3,312	4
No	64,789	272,320	138,484,181	175079994174	479,342,899.9	46.78	13.52 (13.41, 13.62)	258,789,467	3,994	4
Unknown	16,133	51,406	106,541,002	92,921,073,795	254,404,035.0	15.14	6.34 (6.24, 6.44)	40,285,126	2,497	3
<b>Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
Yes	3,950	12,831	27,044,494	29,318,785,487	80,270,459.9	14.61	4.92 (4.77, 5.08)	10,693,067	2,707	3
No	58,222	232,026	138,484,181	175079994174	479,342,899.9	42.04	12.15 (12.05, 12.25)	222,670,624	3,825	4
Unknown	14,772	43,102	106,541,002	92,921,073,795	254,404,035.0	13.87	5.81 (5.71, 5.90)	34,017,142	2,303	3
<b>Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist</b>										
Yes	1,330	3,934	27,044,494	29,318,785,487	80,270,459.9	4.92	1.66 (1.57, 1.75)	3,250,583	2,444	3
No	23,826	79,370	138,484,181	175079994174	479,342,899.9	17.20	4.97 (4.91, 5.03)	77,784,389	3,265	3
Unknown	6,706	18,043	106,541,002	92,921,073,795	254,404,035.0	6.29	2.64 (2.57, 2.70)	14,635,424	2,182	3
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus</b>										
Yes	6,622	59,279	27,044,494	29,318,785,487	80,270,459.9	24.49	8.25 (8.05, 8.45)	45,751,658	6,909	9
No	93,338	845,053	138,484,181	175079994174	479,342,899.9	67.40	19.47 (19.35, 19.60)	747,659,267	8,010	9
Unknown	23,761	154,677	106,541,002	92,921,073,795	254,404,035.0	22.30	9.34 (9.22, 9.46)	115,792,757	4,873	7
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any</b>										
Yes	6,403	50,922	27,044,494	29,318,785,487	80,270,459.9	23.68	7.98 (7.78, 8.17)	40,703,624	6,357	8
No	89,571	741,267	138,484,181	175079994174	479,342,899.9	64.68	18.69 (18.56, 18.81)	668,765,550	7,466	8
Unknown	20,166	111,378	106,541,002	92,921,073,795	254,404,035.0	18.93	7.93 (7.82, 8.04)	85,162,704	4,223	6

**Table 7. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Hispanic Origin<sup>2</sup>**

	Number of Patients per Ethnicity Category	Number of Index Dates <sup>3</sup> per Ethnicity Category	Number of Eligible Members <sup>4</sup> per Ethnicity Category	Total Eligible Member-Days <sup>4</sup> per Ethnicity Category	Total Eligible Member-Years <sup>4</sup> per Ethnicity Category	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient	Number of Index Dates per Patient
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider</b>										
Yes	5,863	40,465	27,044,494	29,318,785,487	80,270,459.9	21.68	7.30 (7.12, 7.49)	32,489,372	5,541	7
No	84,403	662,876	138,484,181	175079994174	479,342,899.9	60.95	17.61 (17.49, 17.73)	598,887,698	7,096	8
Unknown	19,209	99,751	106,541,002	92,921,073,795	254,404,035.0	18.03	7.55 (7.44, 7.66)	76,950,594	4,006	5
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a</b>										
Yes	2,530	12,881	27,044,494	29,318,785,487	80,270,459.9	9.35	3.15 (3.03, 3.28)	10,910,035	4,312	5
No	28,732	150,777	138,484,181	175079994174	479,342,899.9	20.75	5.99 (5.93, 6.06)	149,197,206	5,193	5
Unknown	7,867	35,489	106,541,002	92,921,073,795	254,404,035.0	7.38	3.09 (3.02, 3.16)	28,730,506	3,652	5
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus</b>										
Yes	7,830	40,255	27,044,494	29,318,785,487	80,270,459.9	28.95	9.75 (9.54, 9.97)	48,041,215	6,136	5
No	97,374	495,170	138,484,181	175079994174	479,342,899.9	70.31	20.31 (20.19, 20.44)	651,501,377	6,691	5
Unknown	19,249	80,626	106,541,002	92,921,073,795	254,404,035.0	18.07	7.57 (7.46, 7.67)	99,066,851	5,147	4
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider</b>										
Yes	7,582	36,070	27,044,494	29,318,785,487	80,270,459.9	28.04	9.45 (9.24, 9.66)	43,255,535	5,705	5
No	93,713	449,625	138,484,181	175079994174	479,342,899.9	67.67	19.55 (19.43, 19.68)	597,255,037	6,373	5
Unknown	16,741	61,781	106,541,002	92,921,073,795	254,404,035.0	15.71	6.58 (6.48, 6.68)	76,533,859	4,572	4
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
Yes	6,833	26,933	27,044,494	29,318,785,487	80,270,459.9	25.27	8.51 (8.31, 8.72)	32,219,864	4,715	4
No	88,986	405,554	138,484,181	175079994174	479,342,899.9	64.26	18.56 (18.44, 18.69)	541,060,739	6,080	5
Unknown	15,853	56,095	106,541,002	92,921,073,795	254,404,035.0	14.88	6.23 (6.14, 6.33)	69,825,144	4,405	4
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
Yes	1,803	6,103	27,044,494	29,318,785,487	80,270,459.9	6.67	2.25 (2.14, 2.35)	7,326,148	4,063	3
No	23,746	90,793	138,484,181	175079994174	479,342,899.9	17.15	4.95 (4.89, 5.02)	123,717,218	5,210	4
Unknown	4,976	16,965	106,541,002	92,921,073,795	254,404,035.0	4.67	1.96 (1.90, 2.01)	21,331,796	4,287	3
<b>Patients with Mixed Cutaneous Lupus Erythematosus</b>										
Yes	2,453	16,758	27,044,494	29,318,785,487	80,270,459.9	9.07	3.06 (2.94, 3.18)	18,658,598	7,606	7
No	43,466	345,648	138,484,181	175079994174	479,342,899.9	31.39	9.07 (8.98, 9.15)	412,156,104	9,482	8
Unknown	10,579	61,944	106,541,002	92,921,073,795	254,404,035.0	9.93	4.16 (4.08, 4.24)	65,474,542	6,189	6

**Table 7. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Hispanic Origin<sup>2</sup>**

	Number of Patients per Ethnicity Category	Number of Index Dates <sup>3</sup> per Ethnicity Category	Number of Eligible Members <sup>4</sup> per Ethnicity Category	Total Eligible Member-Days <sup>4</sup> per Ethnicity Category	Total Eligible Member-Years <sup>4</sup> per Ethnicity Category	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient	Number of Index Dates per Patient
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>										
Yes	2,414	14,100	27,044,494	29,318,785,487	80,270,459.9	8.93	3.01 (2.89, 3.13)	15,962,761	6,613	6
No	42,445	320,853	138,484,181	175079994174	479,342,899.9	30.65	8.85 (8.77, 8.94)	384,478,807	9,058	8
Unknown	9,573	49,017	106,541,002	92,921,073,795	254,404,035.0	8.99	3.76 (3.69, 3.84)	51,458,439	5,375	5
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
Yes	2,195	10,994	27,044,494	29,318,785,487	80,270,459.9	8.12	2.73 (2.62, 2.85)	12,293,764	5,601	5
No	40,373	290,326	138,484,181	175079994174	479,342,899.9	29.15	8.42 (8.34, 8.51)	347,958,981	8,619	7
Unknown	9,144	43,570	106,541,002	92,921,073,795	254,404,035.0	8.58	3.59 (3.52, 3.67)	45,925,669	5,022	5
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
Yes	1,050	4,108	27,044,494	29,318,785,487	80,270,459.9	3.88	1.31 (1.23, 1.39)	4,382,450	4,174	4
No	24,322	118,477	138,484,181	175079994174	479,342,899.9	17.56	5.07 (5.01, 5.14)	144,556,527	5,943	5
Unknown	5,640	20,668	106,541,002	92,921,073,795	254,404,035.0	5.29	2.22 (2.16, 2.28)	21,981,036	3,897	4
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</b>										
Yes	106	318	27,044,494	29,318,785,487	80,270,459.9	0.39	0.13 (0.11, 0.16)	269,611	2,544	3
No	1,914	6,436	138,484,181	175079994174	479,342,899.9	1.38	0.40 (0.38, 0.42)	6,176,085	3,227	3
Unknown	801	2,418	106,541,002	92,921,073,795	254,404,035.0	0.75	0.31 (0.29, 0.34)	1,825,805	2,279	3
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider</b>										
Yes	*****	*****	27,044,494	29,318,785,487	80,270,459.9	*****	*****	256,246	*****	*****
No	1,868	6,126	138,484,181	175079994174	479,342,899.9	1.35	0.39 (0.37, 0.41)	5,895,230	3,156	3
Unknown	*****	*****	106,541,002	92,921,073,795	254,404,035.0	*****	*****	1,598,319	*****	*****
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
Yes	*****	*****	27,044,494	29,318,785,487	80,270,459.9	*****	*****	235,656	*****	*****
No	1,781	5,713	138,484,181	175079994174	479,342,899.9	1.29	0.37 (0.35, 0.39)	5,494,103	3,085	3
Unknown	*****	*****	106,541,002	92,921,073,795	254,404,035.0	*****	*****	1,447,941	*****	*****

**Table 7. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Hispanic Origin<sup>2</sup>**

	Number of Patients per Ethnicity Category	Number of Index Dates <sup>3</sup> per Ethnicity Category	Number of Eligible Members <sup>4</sup> per Ethnicity Category	Total Eligible Member-Days <sup>4</sup> per Ethnicity Category	Total Eligible Member-Years <sup>4</sup> per Ethnicity Category	Number of Patients per 100,000 Eligible Members <sup>4</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient	Number of Index Dates per Patient
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
Yes	74	178	27,044,494	29,318,785,487	80,270,459.9	0.27	0.09 (0.07, 0.12)	154,151	2,083	2
No	1,250	3,667	138,484,181	175,079,994,174	479,342,899.9	0.90	0.26 (0.25, 0.28)	3,582,747	2,866	3
Unknown	499	1,289	106,541,002	92,921,073,795	254,404,035.0	0.47	0.20 (0.18, 0.21)	972,110	1,948	3

<sup>1</sup>- Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

- Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

- Other lupus erythematosus, defined by ICD-10 code L93.2.

- Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

- Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

- Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

- Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

- We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D, and E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>Ethnicity origin data may not be completely populated at all Data Partners; therefore, data about ethnicity origin may be incomplete.

<sup>3</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>4</sup>Eligible Members, Member-Days, and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period. Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study.

<sup>5</sup>Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Discoid Lupus Erythematosus</b>										
<i>0-5 years</i>										
2017	131	364	15,078,937	4,058,533,201	11,111,658.3	0.87	1.18 (0.99, 1.40)	510,060	3,894	3
2018	131	333	14,963,946	4,090,172,342	11,198,281.6	0.88	1.17 (0.99, 1.39)	323,464	2,469	3
2019	146	274	15,674,222	4,224,855,440	11,567,023.8	0.93	1.26 (1.07, 1.48)	244,747	1,676	2
2020	108	226	15,599,657	4,431,553,658	12,132,932.7	0.69	0.89 (0.74, 1.07)	148,979	1,379	2
2021	118	267	16,024,149	4,644,287,925	12,715,367.4	0.74	0.93 (0.77, 1.11)	70,738	599	2
2022	40	83	3,106,316	792,102,680	2,168,658.9	1.29	1.84 (1.35, 2.51)	42,999	1,075	2
2023	30	54	2,952,274	766,188,436	2,097,709.6	1.02	1.43 (1.00, 2.05)	16,752	558	2
2024	15	31	2,497,108	346,578,678	948,880.7	0.60	1.58 (0.95, 2.62)	2,663	178	2
<i>6-11 years</i>										
2017	219	494	15,776,789	4,353,450,071	11,919,096.7	1.39	1.84 (1.61, 2.10)	673,136	3,074	2
2018	281	604	15,786,114	4,402,805,294	12,054,223.9	1.78	2.33 (2.07, 2.62)	677,027	2,409	2
2019	223	496	16,399,128	4,512,261,068	12,353,897.5	1.36	1.81 (1.58, 2.06)	460,665	2,066	2
2020	183	405	16,695,992	4,764,498,795	13,044,486.8	1.10	1.40 (1.21, 1.62)	273,019	1,492	2
2021	193	452	17,050,836	4,999,299,876	13,687,337.1	1.13	1.41 (1.22, 1.62)	142,385	738	2
2022	32	101	3,624,848	959,437,729	2,626,797.3	0.88	1.22 (0.86, 1.72)	68,225	2,132	3
2023	27	94	3,458,009	925,361,895	2,533,502.8	0.78	1.07 (0.73, 1.55)	31,921	1,182	3
2024	23	67	2,948,554	417,235,851	1,142,329.5	0.78	2.01 (1.34, 3.03)	5,803	252	3
<i>12-17 years</i>										
2017	773	1,589	14,538,402	3,988,115,131	10,918,864.2	5.32	7.08 (6.60, 7.60)	2,036,844	2,635	2
2018	1,006	2,091	14,828,337	4,108,462,185	11,248,356.4	6.78	8.94 (8.41, 9.51)	2,293,860	2,280	2
2019	864	1,990	15,690,249	4,319,123,912	11,825,116.8	5.51	7.31 (6.84, 7.81)	1,783,600	2,064	2
2020	663	1,469	16,365,074	4,690,652,895	12,842,307.7	4.05	5.16 (4.78, 5.57)	898,022	1,354	2
2021	650	1,402	17,062,103	5,009,084,363	13,714,125.6	3.81	4.74 (4.39, 5.12)	449,784	692	2
2022	123	306	4,069,039	1,094,424,076	2,996,369.8	3.02	4.10 (3.44, 4.90)	170,410	1,385	2
2023	124	286	3,871,396	1,048,256,560	2,869,970.0	3.20	4.32 (3.62, 5.15)	93,089	751	2
2024	77	148	3,304,739	471,958,328	1,292,151.5	2.33	5.96 (4.77, 7.45)	13,441	175	2
<i>18-44 years</i>										

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2017	18,943	48,379	45,110,162	12,307,284,209	33,695,507.8	41.99	56.22 (55.42, 57.02)	61,803,580	3,263	3
2018	25,121	66,978	45,316,544	12,457,469,019	34,106,691.4	55.43	73.65 (72.75, 74.57)	73,509,819	2,926	3
2019	20,583	53,275	45,708,282	12,519,506,416	34,276,540.5	45.03	60.05 (59.24, 60.88)	48,744,479	2,368	3
2020	15,888	41,655	46,816,655	13,432,187,930	36,775,326.3	33.94	43.20 (42.54, 43.88)	28,882,215	1,818	3
2021	15,799	40,208	49,953,259	14,882,872,858	40,747,085.2	31.63	38.77 (38.17, 39.38)	18,002,560	1,139	3
2022	7,360	17,990	22,412,575	6,117,039,175	16,747,540.5	32.84	43.95 (42.95, 44.96)	9,255,568	1,258	2
2023	6,594	15,798	21,307,346	5,914,567,082	16,193,202.1	30.95	40.72 (39.75, 41.72)	4,233,555	642	2
2024	2,956	5,167	17,522,152	2,548,291,731	6,976,842.5	16.87	42.37 (40.87, 43.92)	457,622	155	2
<i>45-64 years</i>										
2017	30,505	84,883	29,702,284	8,843,570,487	24,212,376.4	102.70	125.99 (124.58, 127.41)	113,716,901	3,728	3
2018	38,061	105,694	29,316,341	8,790,383,278	24,066,757.8	129.83	158.15 (156.57, 159.74)	124,940,840	3,283	3
2019	32,250	89,231	29,073,228	8,687,353,874	23,784,678.6	110.93	135.59 (134.12, 137.08)	90,228,539	2,798	3
2020	25,864	73,005	28,972,821	8,765,109,571	23,997,562.1	89.27	107.78 (106.47, 109.10)	58,975,003	2,280	3
2021	25,024	68,581	29,175,908	8,954,950,133	24,517,317.3	85.77	102.07 (100.81, 103.34)	40,943,197	1,636	3
2022	17,142	44,313	18,200,159	5,406,860,704	14,803,177.8	94.19	115.80 (114.08, 117.55)	23,834,933	1,390	3
2023	15,804	41,278	17,247,552	5,129,942,244	14,045,016.4	91.63	112.52 (110.78, 114.29)	11,001,665	696	3
2024	6,273	11,810	13,157,408	2,005,810,348	5,491,609.4	47.68	114.23 (111.44, 117.09)	1,067,947	170	2
<i>≥ 65 years</i>										
2017	31,411	74,644	36,484,359	12,126,536,505	33,200,647.5	86.09	94.61 (93.57, 95.66)	122,477,189	3,899	2
2018	38,462	96,373	36,953,372	12,241,695,457	33,515,935.5	104.08	114.76 (113.62, 115.91)	138,287,861	3,595	3
2019	35,110	88,725	37,584,150	12,416,419,229	33,994,303.2	93.42	103.28 (102.21, 104.37)	110,744,277	3,154	3
2020	29,889	77,275	37,873,174	12,535,805,518	34,321,165.0	78.92	87.09 (86.10, 88.08)	77,446,132	2,591	3
2021	30,642	80,674	37,552,195	12,347,810,536	33,806,462.8	81.60	90.64 (89.63, 91.66)	62,574,302	2,042	3
2022	29,709	76,089	36,466,568	11,999,578,034	32,853,054.2	81.47	90.43 (89.41, 91.46)	39,399,567	1,326	3
2023	29,342	75,979	36,308,374	11,952,528,551	32,724,239.7	80.81	89.66 (88.64, 90.70)	16,339,639	557	3
2024	4,636	9,962	9,257,778	1,517,580,178	4,154,908.1	50.08	111.58 (108.41, 114.84)	904,005	195	2

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Discoid Lupus Erythematosus Coded by Any Known Provider</b>										
<i>0-5 years</i>										
2017	119	324	15,078,937	4,058,533,201	11,111,658.3	0.79	1.07 (0.89, 1.28)	478,097	4,018	3
2018	122	265	14,963,946	4,090,172,342	11,198,281.6	0.82	1.09 (0.91, 1.30)	298,993	2,451	2
2019	138	254	15,674,222	4,224,855,440	11,567,023.8	0.88	1.19 (1.01, 1.41)	223,753	1,621	2
2020	100	197	15,599,657	4,431,553,658	12,132,932.7	0.64	0.82 (0.68, 1.00)	129,012	1,290	2
2021	108	228	16,024,149	4,644,287,925	12,715,367.4	0.67	0.85 (0.70, 1.03)	49,478	458	2
2022	36	63	3,106,316	792,102,680	2,168,658.9	1.16	1.66 (1.20, 2.30)	31,396	872	2
2023	28	49	2,952,274	766,188,436	2,097,709.6	0.95	1.33 (0.92, 1.93)	14,957	534	2
2024	11	19	2,497,108	346,578,678	948,880.7	0.44	1.16 (0.64, 2.09)	2,052	187	2
<i>6-11 years</i>										
2017	207	456	15,776,789	4,353,450,071	11,919,096.7	1.31	1.74 (1.52, 1.99)	631,540	3,051	2
2018	260	559	15,786,114	4,402,805,294	12,054,223.9	1.65	2.16 (1.91, 2.44)	620,146	2,385	2
2019	201	445	16,399,128	4,512,261,068	12,353,897.5	1.23	1.63 (1.42, 1.87)	403,729	2,009	2
2020	171	363	16,695,992	4,764,498,795	13,044,486.8	1.02	1.31 (1.13, 1.52)	223,413	1,307	2
2021	178	402	17,050,836	4,999,299,876	13,687,337.1	1.04	1.30 (1.12, 1.51)	96,244	541	2
2022	26	55	3,624,848	959,437,729	2,626,797.3	0.72	0.99 (0.67, 1.45)	35,319	1,358	2
2023	19	44	3,458,009	925,361,895	2,533,502.8	0.55	0.75 (0.48, 1.18)	14,683	773	2
2024	19	31	2,948,554	417,235,851	1,142,329.5	0.64	1.66 (1.06, 2.61)	2,980	157	2
<i>12-17 years</i>										
2017	701	1,416	14,538,402	3,988,115,131	10,918,864.2	4.82	6.42 (5.96, 6.91)	1,789,027	2,552	2
2018	934	1,910	14,828,337	4,108,462,185	11,248,356.4	6.30	8.30 (7.79, 8.85)	2,072,233	2,219	2
2019	796	1,769	15,690,249	4,319,123,912	11,825,116.8	5.07	6.73 (6.28, 7.22)	1,552,108	1,950	2
2020	610	1,295	16,365,074	4,690,652,895	12,842,307.7	3.73	4.75 (4.39, 5.14)	750,271	1,230	2
2021	596	1,268	17,062,103	5,009,084,363	13,714,125.6	3.49	4.35 (4.01, 4.71)	355,769	597	2
2022	98	230	4,069,039	1,094,424,076	2,996,369.8	2.41	3.27 (2.68, 3.99)	127,717	1,303	2
2023	86	188	3,871,396	1,048,256,560	2,869,970.0	2.22	3.00 (2.43, 3.70)	58,759	683	2
2024	54	88	3,304,739	471,958,328	1,292,151.5	1.63	4.18 (3.20, 5.46)	8,305	154	2

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>18-44 years</i>										
2017	17,229	41,149	45,110,162	12,307,284,209	33,695,507.8	38.19	51.13 (50.37, 51.90)	52,759,272	3,062	2
2018	23,149	58,246	45,316,544	12,457,469,019	34,106,691.4	51.08	67.87 (67.00, 68.75)	63,958,808	2,763	3
2019	18,925	46,340	45,708,282	12,519,506,416	34,276,540.5	41.40	55.21 (54.43, 56.00)	42,297,675	2,235	2
2020	14,603	35,657	46,816,655	13,432,187,930	36,775,326.3	31.19	39.71 (39.07, 40.36)	24,606,668	1,685	2
2021	14,571	34,618	49,953,259	14,882,872,858	40,747,085.2	29.17	35.76 (35.18, 36.34)	15,288,050	1,049	2
2022	6,460	15,338	22,412,575	6,117,039,175	16,747,540.5	28.82	38.57 (37.64, 39.53)	7,792,799	1,206	2
2023	5,713	13,251	21,307,346	5,914,567,082	16,193,202.1	26.81	35.28 (34.38, 36.21)	3,442,177	603	2
2024	2,368	3,871	17,522,152	2,548,291,731	6,976,842.5	13.51	33.94 (32.60, 35.34)	340,216	144	2
<i>45-64 years</i>										
2017	28,079	71,633	29,702,284	8,843,570,487	24,212,376.4	94.53	115.97 (114.62, 117.33)	97,032,103	3,456	3
2018	35,351	90,003	29,316,341	8,790,383,278	24,066,757.8	120.58	146.89 (145.36, 148.43)	108,011,757	3,055	3
2019	29,693	74,812	29,073,228	8,687,353,874	23,784,678.6	102.13	124.84 (123.43, 126.27)	77,185,240	2,599	3
2020	23,752	59,639	28,972,821	8,765,109,571	23,997,562.1	81.98	98.98 (97.73, 100.24)	49,321,924	2,077	3
2021	22,890	56,584	29,175,908	8,954,950,133	24,517,317.3	78.46	93.36 (92.16, 94.58)	34,037,847	1,487	2
2022	15,517	37,242	18,200,159	5,406,860,704	14,803,177.8	85.26	104.82 (103.19, 106.48)	19,744,237	1,272	2
2023	14,160	33,635	17,247,552	5,129,942,244	14,045,016.4	82.10	100.82 (99.17, 102.49)	8,594,650	607	2
2024	5,180	8,431	13,157,408	2,005,810,348	5,491,609.4	39.37	94.33 (91.79, 96.93)	752,024	145	2
<i>≥ 65 years</i>										
2017	30,577	70,758	36,484,359	12,126,536,505	33,200,647.5	83.81	92.10 (91.07, 93.14)	117,254,444	3,835	2
2018	37,495	91,511	36,953,372	12,241,695,457	33,515,935.5	101.47	111.87 (110.75, 113.01)	132,658,322	3,538	2
2019	34,083	83,314	37,584,150	12,416,419,229	33,994,303.2	90.68	100.26 (99.20, 101.33)	105,206,152	3,087	2
2020	28,920	71,451	37,873,174	12,535,805,518	34,321,165.0	76.36	84.26 (83.30, 85.24)	72,691,002	2,514	2
2021	29,536	73,724	37,552,195	12,347,810,536	33,806,462.8	78.65	87.37 (86.38, 88.37)	57,736,527	1,955	2
2022	28,656	70,024	36,466,568	11,999,578,034	32,853,054.2	78.58	87.22 (86.22, 88.24)	36,130,228	1,261	2
2023	28,226	69,217	36,308,374	11,952,528,551	32,724,239.7	77.74	86.25 (85.25, 87.27)	14,180,500	502	2
2024	3,895	6,272	9,257,778	1,517,580,178	4,154,908.1	42.07	93.74 (90.85, 96.74)	578,069	148	2

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<b>Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
<i>0-5 years</i>										
2017	107	279	15,078,937	4,058,533,201	11,111,658.3	0.71	0.96 (0.80, 1.16)	422,169	3,946	3
2018	107	213	14,963,946	4,090,172,342	11,198,281.6	0.72	0.96 (0.79, 1.15)	241,905	2,261	2
2019	125	220	15,674,222	4,224,855,440	11,567,023.8	0.80	1.08 (0.91, 1.29)	193,232	1,546	2
2020	89	174	15,599,657	4,431,553,658	12,132,932.7	0.57	0.73 (0.60, 0.90)	113,025	1,270	2
2021	103	201	16,024,149	4,644,287,925	12,715,367.4	0.64	0.81 (0.67, 0.98)	44,365	431	2
2022	36	60	3,106,316	792,102,680	2,168,658.9	1.16	1.66 (1.20, 2.30)	30,641	851	2
2023	26	44	2,952,274	766,188,436	2,097,709.6	0.88	1.24 (0.84, 1.82)	13,913	535	2
2024	11	19	2,497,108	346,578,678	948,880.7	0.44	1.16 (0.64, 2.09)	2,052	187	2
<i>6-11 years</i>										
2017	180	381	15,776,789	4,353,450,071	11,919,096.7	1.14	1.51 (1.30, 1.75)	535,511	2,975	2
2018	223	465	15,786,114	4,402,805,294	12,054,223.9	1.41	1.85 (1.62, 2.11)	514,802	2,309	2
2019	178	374	16,399,128	4,512,261,068	12,353,897.5	1.09	1.44 (1.24, 1.67)	340,170	1,911	2
2020	151	312	16,695,992	4,764,498,795	13,044,486.8	0.90	1.16 (0.99, 1.36)	195,577	1,295	2
2021	154	315	17,050,836	4,999,299,876	13,687,337.1	0.90	1.13 (0.96, 1.32)	81,486	529	2
2022	24	53	3,624,848	959,437,729	2,626,797.3	0.66	0.91 (0.61, 1.36)	33,777	1,407	2
2023	19	43	3,458,009	925,361,895	2,533,502.8	0.55	0.75 (0.48, 1.18)	14,407	758	2
2024	19	31	2,948,554	417,235,851	1,142,329.5	0.64	1.66 (1.06, 2.61)	2,980	157	2
<i>12-17 years</i>										
2017	607	1,197	14,538,402	3,988,115,131	10,918,864.2	4.18	5.56 (5.13, 6.02)	1,510,794	2,489	2
2018	806	1,556	14,828,337	4,108,462,185	11,248,356.4	5.44	7.17 (6.69, 7.68)	1,689,539	2,096	2
2019	692	1,472	15,690,249	4,319,123,912	11,825,116.8	4.41	5.85 (5.43, 6.30)	1,305,270	1,886	2
2020	530	1,051	16,365,074	4,690,652,895	12,842,307.7	3.24	4.13 (3.79, 4.49)	619,947	1,170	2
2021	505	1,020	17,062,103	5,009,084,363	13,714,125.6	2.96	3.68 (3.37, 4.02)	300,450	595	2
2022	89	213	4,069,039	1,094,424,076	2,996,369.8	2.19	2.97 (2.41, 3.66)	119,792	1,346	2
2023	84	179	3,871,396	1,048,256,560	2,869,970.0	2.17	2.93 (2.36, 3.62)	57,214	681	2
2024	48	81	3,304,739	471,958,328	1,292,151.5	1.45	3.71 (2.80, 4.93)	7,906	165	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>18-44 years</i>										
2017	15,411	33,319	45,110,162	12,307,284,209	33,695,507.8	34.16	45.74 (45.02, 46.46)	42,736,528	2,773	2
2018	20,951	48,792	45,316,544	12,457,469,019	34,106,691.4	46.23	61.43 (60.60, 62.27)	53,962,378	2,576	2
2019	16,973	38,885	45,708,282	12,519,506,416	34,276,540.5	37.13	49.52 (48.78, 50.27)	36,150,032	2,130	2
2020	13,095	29,392	46,816,655	13,432,187,930	36,775,326.3	27.97	35.61 (35.00, 36.22)	21,098,483	1,611	2
2021	12,883	28,961	49,953,259	14,882,872,858	40,747,085.2	25.79	31.62 (31.08, 32.17)	13,618,990	1,057	2
2022	6,069	14,235	22,412,575	6,117,039,175	16,747,540.5	27.08	36.24 (35.34, 37.16)	7,232,467	1,192	2
2023	5,361	12,220	21,307,346	5,914,567,082	16,193,202.1	25.16	33.11 (32.23, 34.00)	3,192,049	595	2
2024	2,225	3,572	17,522,152	2,548,291,731	6,976,842.5	12.70	31.89 (30.59, 33.24)	319,978	144	2
<i>45-64 years</i>										
2017	25,591	58,077	29,702,284	8,843,570,487	24,212,376.4	86.16	105.69 (104.41, 107.00)	80,323,719	3,139	2
2018	32,638	76,490	29,316,341	8,790,383,278	24,066,757.8	111.33	135.61 (134.15, 137.09)	93,955,280	2,879	2
2019	27,341	63,968	29,073,228	8,687,353,874	23,784,678.6	94.04	114.95 (113.60, 116.32)	68,008,421	2,487	2
2020	21,904	51,769	28,972,821	8,765,109,571	23,997,562.1	75.60	91.28 (90.08, 92.49)	44,338,745	2,024	2
2021	20,963	49,165	29,175,908	8,954,950,133	24,517,317.3	71.85	85.50 (84.35, 86.67)	31,305,221	1,493	2
2022	14,728	34,727	18,200,159	5,406,860,704	14,803,177.8	80.92	99.49 (97.90, 101.11)	18,432,252	1,252	2
2023	13,467	31,424	17,247,552	5,129,942,244	14,045,016.4	78.08	95.88 (94.28, 97.52)	8,089,111	601	2
2024	4,988	8,049	13,157,408	2,005,810,348	5,491,609.4	37.91	90.83 (88.34, 93.39)	721,866	145	2
<i>≥ 65 years</i>										
2017	27,981	63,671	36,484,359	12,126,536,505	33,200,647.5	76.69	84.28 (83.30, 85.27)	105,126,509	3,757	2
2018	34,738	83,508	36,953,372	12,241,695,457	33,515,935.5	94.00	103.65 (102.56, 104.74)	120,711,107	3,475	2
2019	31,587	75,774	37,584,150	12,416,419,229	33,994,303.2	84.04	92.92 (91.90, 93.95)	95,701,184	3,030	2
2020	26,887	65,207	37,873,174	12,535,805,518	34,321,165.0	70.99	78.34 (77.41, 79.28)	66,294,105	2,466	2
2021	27,547	67,584	37,552,195	12,347,810,536	33,806,462.8	73.36	81.48 (80.53, 82.45)	52,893,400	1,920	2
2022	26,755	64,470	36,466,568	11,999,578,034	32,853,054.2	73.37	81.44 (80.47, 82.42)	33,253,059	1,243	2
2023	26,347	63,555	36,308,374	11,952,528,551	32,724,239.7	72.56	80.51 (79.55, 81.49)	13,091,936	497	2
2024	3,770	6,057	9,257,778	1,517,580,178	4,154,908.1	40.72	90.74 (87.89, 93.68)	560,952	149	2

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<b>Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
<i>0-5 years</i>										
2017	53	115	15,078,937	4,058,533,201	11,111,658.3	0.35	0.48 (0.36, 0.62)	171,386	3,234	2
2018	57	87	14,963,946	4,090,172,342	11,198,281.6	0.38	0.51 (0.39, 0.66)	98,278	1,724	2
2019	65	84	15,674,222	4,224,855,440	11,567,023.8	0.41	0.56 (0.44, 0.72)	75,256	1,158	1
2020	43	74	15,599,657	4,431,553,658	12,132,932.7	0.28	0.35 (0.26, 0.48)	43,767	1,018	2
2021	51	67	16,024,149	4,644,287,925	12,715,367.4	0.32	0.40 (0.30, 0.53)	17,701	347	1
2022	16	27	3,106,316	792,102,680	2,168,658.9	0.52	0.74 (0.45, 1.20)	12,158	760	2
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	5,673	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	403	*****	*****
<i>6-11 years</i>										
2017	93	195	15,776,789	4,353,450,071	11,919,096.7	0.59	0.78 (0.64, 0.96)	276,255	2,970	2
2018	111	222	15,786,114	4,402,805,294	12,054,223.9	0.70	0.92 (0.76, 1.11)	258,128	2,325	2
2019	88	180	16,399,128	4,512,261,068	12,353,897.5	0.54	0.71 (0.58, 0.88)	166,889	1,896	2
2020	81	156	16,695,992	4,764,498,795	13,044,486.8	0.49	0.62 (0.50, 0.77)	103,430	1,277	2
2021	85	166	17,050,836	4,999,299,876	13,687,337.1	0.50	0.62 (0.50, 0.77)	50,568	595	2
2022	14	30	3,624,848	959,437,729	2,626,797.3	0.39	0.53 (0.32, 0.90)	18,560	1,326	2
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	9,384	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	2,322	*****	*****
<i>12-17 years</i>										
2017	245	449	14,538,402	3,988,115,131	10,918,864.2	1.69	2.24 (1.98, 2.54)	556,901	2,273	2
2018	317	578	14,828,337	4,108,462,185	11,248,356.4	2.14	2.82 (2.52, 3.15)	624,835	1,971	2
2019	299	573	15,690,249	4,319,123,912	11,825,116.8	1.91	2.53 (2.26, 2.83)	502,237	1,680	2
2020	264	464	16,365,074	4,690,652,895	12,842,307.7	1.61	2.06 (1.82, 2.32)	285,323	1,081	2
2021	224	392	17,062,103	5,009,084,363	13,714,125.6	1.31	1.63 (1.43, 1.86)	120,690	539	2
2022	48	108	4,069,039	1,094,424,076	2,996,369.8	1.18	1.60 (1.21, 2.13)	61,079	1,272	2
2023	40	89	3,871,396	1,048,256,560	2,869,970.0	1.03	1.39 (1.02, 1.90)	28,517	713	2
2024	27	43	3,304,739	471,958,328	1,292,151.5	0.82	2.09 (1.43, 3.05)	4,286	159	2

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>18-44 years</i>										
2017	4,856	9,284	45,110,162	12,307,284,209	33,695,507.8	10.76	14.41 (14.01, 14.82)	11,771,731	2,424	2
2018	6,052	11,936	45,316,544	12,457,469,019	34,106,691.4	13.35	17.74 (17.30, 18.20)	13,296,125	2,197	2
2019	5,563	11,027	45,708,282	12,519,506,416	34,276,540.5	12.17	16.23 (15.81, 16.66)	10,168,953	1,828	2
2020	4,622	9,084	46,816,655	13,432,187,930	36,775,326.3	9.87	12.57 (12.21, 12.94)	6,472,530	1,400	2
2021	4,600	9,327	49,953,259	14,882,872,858	40,747,085.2	9.21	11.29 (10.97, 11.62)	4,181,589	909	2
2022	1,904	3,815	22,412,575	6,117,039,175	16,747,540.5	8.50	11.37 (10.87, 11.89)	2,049,242	1,076	2
2023	1,772	3,538	21,307,346	5,914,567,082	16,193,202.1	8.32	10.94 (10.45, 11.46)	989,785	559	2
2024	819	1,196	17,522,152	2,548,291,731	6,976,842.5	4.67	11.74 (10.96, 12.57)	110,232	135	1
<i>45-64 years</i>										
2017	7,878	15,350	29,702,284	8,843,570,487	24,212,376.4	26.52	32.54 (31.83, 33.26)	21,261,805	2,699	2
2018	8,830	17,069	29,316,341	8,790,383,278	24,066,757.8	30.12	36.69 (35.93, 37.46)	21,169,692	2,397	2
2019	8,117	15,820	29,073,228	8,687,353,874	23,784,678.6	27.92	34.13 (33.39, 34.88)	16,760,563	2,065	2
2020	6,806	13,272	28,972,821	8,765,109,571	23,997,562.1	23.49	28.36 (27.70, 29.04)	11,220,618	1,649	2
2021	6,543	12,848	29,175,908	8,954,950,133	24,517,317.3	22.43	26.69 (26.05, 27.34)	7,745,149	1,184	2
2022	4,308	8,293	18,200,159	5,406,860,704	14,803,177.8	23.67	29.10 (28.25, 29.98)	4,589,582	1,065	2
2023	3,888	7,542	17,247,552	5,129,942,244	14,045,016.4	22.54	27.68 (26.83, 28.57)	2,102,243	541	2
2024	1,671	2,477	13,157,408	2,005,810,348	5,491,609.4	12.70	30.43 (29.00, 31.92)	225,801	135	1
<i>≥ 65 years</i>										
2017	8,544	16,598	36,484,359	12,126,536,505	33,200,647.5	23.42	25.73 (25.19, 26.29)	30,207,866	3,536	2
2018	9,558	19,065	36,953,372	12,241,695,457	33,515,935.5	25.87	28.52 (27.95, 29.10)	30,409,055	3,182	2
2019	9,359	18,793	37,584,150	12,416,419,229	33,994,303.2	24.90	27.53 (26.98, 28.09)	25,600,944	2,735	2
2020	8,122	15,945	37,873,174	12,535,805,518	34,321,165.0	21.45	23.66 (23.16, 24.19)	17,566,128	2,163	2
2021	8,182	16,618	37,552,195	12,347,810,536	33,806,462.8	21.79	24.20 (23.68, 24.73)	13,841,776	1,692	2
2022	8,078	15,845	36,466,568	11,999,578,034	32,853,054.2	22.15	24.59 (24.06, 25.13)	8,614,036	1,066	2
2023	7,968	15,837	36,308,374	11,952,528,551	32,724,239.7	21.95	24.35 (23.82, 24.89)	3,446,311	433	2
2024	1,280	1,798	9,257,778	1,517,580,178	4,154,908.1	13.83	30.81 (29.16, 32.54)	169,833	133	1

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<b>Patients with Subacute Cutaneous Lupus Erythematosus</b>										
<i>0-5 years</i>										
2017	*****	*****	15,078,937	4,058,533,201	11,111,658.3	*****	*****	21,575	*****	*****
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	13,788	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	9,612	*****	*****
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	7,024	*****	*****
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	2,684	*****	*****
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	602	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	1,330	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	57	*****	*****
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	107,231	*****	*****
2018	*****	*****	15,786,114	4,402,805,294	12,054,223.9	*****	*****	85,883	*****	*****
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	49,514	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	37,392	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	24,896	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	4,134	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	4,720	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	914	*****	*****
<i>12-17 years</i>										
2017	80	132	14,538,402	3,988,115,131	10,918,864.2	0.55	0.73 (0.59, 0.91)	158,525	1,982	2
2018	95	166	14,828,337	4,108,462,185	11,248,356.4	0.64	0.84 (0.69, 1.03)	186,865	1,967	2
2019	92	142	15,690,249	4,319,123,912	11,825,116.8	0.59	0.78 (0.63, 0.95)	132,201	1,437	2
2020	82	138	16,365,074	4,690,652,895	12,842,307.7	0.50	0.64 (0.51, 0.79)	91,767	1,119	2
2021	96	150	17,062,103	5,009,084,363	13,714,125.6	0.56	0.70 (0.57, 0.86)	58,669	611	2
2022	24	43	4,069,039	1,094,424,076	2,996,369.8	0.59	0.80 (0.54, 1.20)	24,021	1,001	2
2023	36	54	3,871,396	1,048,256,560	2,869,970.0	0.93	1.25 (0.90, 1.74)	17,331	481	2
2024	18	29	3,304,739	471,958,328	1,292,151.5	0.54	1.39 (0.88, 2.21)	2,452	136	2
<i>18-44 years</i>										

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2017	1,748	3,655	45,110,162	12,307,284,209	33,695,507.8	3.87	5.19 (4.95, 5.44)	4,503,970	2,577	2
2018	1,930	3,780	45,316,544	12,457,469,019	34,106,691.4	4.26	5.66 (5.41, 5.92)	4,288,780	2,222	2
2019	1,787	3,579	45,708,282	12,519,506,416	34,276,540.5	3.91	5.21 (4.98, 5.46)	3,435,674	1,923	2
2020	1,662	3,465	46,816,655	13,432,187,930	36,775,326.3	3.55	4.52 (4.31, 4.74)	2,560,125	1,540	2
2021	1,808	3,922	49,953,259	14,882,872,858	40,747,085.2	3.62	4.44 (4.24, 4.65)	1,876,833	1,038	2
2022	941	1,906	22,412,575	6,117,039,175	16,747,540.5	4.20	5.62 (5.27, 5.99)	1,064,482	1,131	2
2023	1,028	1,965	21,307,346	5,914,567,082	16,193,202.1	4.82	6.35 (5.97, 6.75)	566,316	551	2
2024	518	902	17,522,152	2,548,291,731	6,976,842.5	2.96	7.42 (6.81, 8.09)	80,856	156	2
<i>45-64 years</i>										
2017	3,480	7,418	29,702,284	8,843,570,487	24,212,376.4	11.72	14.37 (13.90, 14.86)	10,345,900	2,973	2
2018	3,600	8,005	29,316,341	8,790,383,278	24,066,757.8	12.28	14.96 (14.48, 15.46)	9,806,675	2,724	2
2019	3,566	7,937	29,073,228	8,687,353,874	23,784,678.6	12.27	14.99 (14.51, 15.49)	8,495,630	2,382	2
2020	3,332	7,363	28,972,821	8,765,109,571	23,997,562.1	11.50	13.88 (13.42, 14.36)	6,389,324	1,918	2
2021	3,478	7,401	29,175,908	8,954,950,133	24,517,317.3	11.92	14.19 (13.72, 14.67)	4,904,934	1,410	2
2022	2,621	5,861	18,200,159	5,406,860,704	14,803,177.8	14.40	17.71 (17.04, 18.40)	3,227,262	1,231	2
2023	2,620	5,672	17,247,552	5,129,942,244	14,045,016.4	15.19	18.65 (17.95, 19.38)	1,586,808	606	2
2024	1,200	1,933	13,157,408	2,005,810,348	5,491,609.4	9.12	21.85 (20.65, 23.12)	171,534	143	2
<i>≥ 65 years</i>										
2017	6,788	15,809	36,484,359	12,126,536,505	33,200,647.5	18.61	20.45 (19.96, 20.94)	27,826,606	4,099	2
2018	7,343	17,206	36,953,372	12,241,695,457	33,515,935.5	19.87	21.91 (21.41, 22.42)	26,611,556	3,624	2
2019	7,666	18,324	37,584,150	12,416,419,229	33,994,303.2	20.40	22.55 (22.05, 23.06)	24,159,860	3,152	2
2020	7,532	18,230	37,873,174	12,535,805,518	34,321,165.0	19.89	21.95 (21.46, 22.45)	19,404,414	2,576	2
2021	8,260	20,575	37,552,195	12,347,810,536	33,806,462.8	22.00	24.43 (23.91, 24.97)	16,768,254	2,030	2
2022	8,317	20,872	36,466,568	11,999,578,034	32,853,054.2	22.81	25.32 (24.78, 25.87)	10,989,401	1,321	3
2023	8,571	20,990	36,308,374	11,952,528,551	32,724,239.7	23.61	26.19 (25.64, 26.75)	4,394,885	513	2
2024	1,342	2,384	9,257,778	1,517,580,178	4,154,908.1	14.50	32.30 (30.62, 34.07)	218,165	163	2

**Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider**

<i>0-5 years</i>										
2017	*****	*****	15,078,937	4,058,533,201	11,111,658.3	*****	*****	19,956	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	13,689	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	7,763	*****	*****
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	6,860	*****	*****
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	1,644	*****	*****
2022	0	0	3,106,316	792,102,680	2,168,658.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	1,330	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	57	*****	*****
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	104,471	*****	*****
2018	*****	*****	15,786,114	4,402,805,294	12,054,223.9	*****	*****	85,787	*****	*****
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	47,343	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	32,063	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	22,518	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	3,344	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	3,541	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	890	*****	*****
<i>12-17 years</i>										
2017	73	112	14,538,402	3,988,115,131	10,918,864.2	0.50	0.67 (0.53, 0.84)	134,688	1,845	2
2018	83	144	14,828,337	4,108,462,185	11,248,356.4	0.56	0.74 (0.60, 0.92)	159,201	1,918	2
2019	79	124	15,690,249	4,319,123,912	11,825,116.8	0.50	0.67 (0.54, 0.83)	109,679	1,388	2
2020	75	123	16,365,074	4,690,652,895	12,842,307.7	0.46	0.58 (0.47, 0.73)	78,804	1,051	2
2021	88	137	17,062,103	5,009,084,363	13,714,125.6	0.52	0.64 (0.52, 0.79)	49,005	557	2
2022	17	32	4,069,039	1,094,424,076	2,996,369.8	0.42	0.57 (0.35, 0.91)	17,760	1,045	2
2023	30	42	3,871,396	1,048,256,560	2,869,970.0	0.77	1.05 (0.73, 1.50)	13,149	438	1
2024	13	22	3,304,739	471,958,328	1,292,151.5	0.39	1.01 (0.58, 1.73)	1,702	131	2
<i>18-44 years</i>										
2017	1,549	3,208	45,110,162	12,307,284,209	33,695,507.8	3.43	4.60 (4.37, 4.83)	3,947,479	2,548	2
2018	1,747	3,366	45,316,544	12,457,469,019	34,106,691.4	3.86	5.12 (4.89, 5.37)	3,794,468	2,172	2
2019	1,628	3,128	45,708,282	12,519,506,416	34,276,540.5	3.56	4.75 (4.52, 4.99)	2,965,714	1,822	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2020	1,493	2,987	46,816,655	13,432,187,930	36,775,326.3	3.19	4.06 (3.86, 4.27)	2,148,695	1,439	2
2021	1,662	3,522	49,953,259	14,882,872,858	40,747,085.2	3.33	4.08 (3.89, 4.28)	1,584,840	954	2
2022	824	1,582	22,412,575	6,117,039,175	16,747,540.5	3.68	4.92 (4.60, 5.27)	879,416	1,067	2
2023	881	1,611	21,307,346	5,914,567,082	16,193,202.1	4.13	5.44 (5.09, 5.81)	454,354	516	2
2024	439	666	17,522,152	2,548,291,731	6,976,842.5	2.51	6.29 (5.73, 6.91)	60,203	137	2
<i>45-64 years</i>										
2017	3,150	6,494	29,702,284	8,843,570,487	24,212,376.4	10.61	13.01 (12.56, 13.47)	9,088,572	2,885	2
2018	3,283	6,947	29,316,341	8,790,383,278	24,066,757.8	11.20	13.64 (13.18, 14.12)	8,541,720	2,602	2
2019	3,255	6,691	29,073,228	8,687,353,874	23,784,678.6	11.20	13.69 (13.22, 14.16)	7,129,536	2,190	2
2020	3,052	6,437	28,972,821	8,765,109,571	23,997,562.1	10.53	12.72 (12.27, 13.18)	5,488,919	1,798	2
2021	3,187	6,421	29,175,908	8,954,950,133	24,517,317.3	10.92	13.00 (12.56, 13.46)	4,110,506	1,290	2
2022	2,396	4,981	18,200,159	5,406,860,704	14,803,177.8	13.16	16.19 (15.55, 16.85)	2,711,439	1,132	2
2023	2,394	4,801	17,247,552	5,129,942,244	14,045,016.4	13.88	17.05 (16.38, 17.74)	1,308,611	547	2
2024	1,035	1,519	13,157,408	2,005,810,348	5,491,609.4	7.87	18.85 (17.73, 20.03)	134,801	130	1
<i>≥ 65 years</i>										
2017	6,670	15,321	36,484,359	12,126,536,505	33,200,647.5	18.28	20.09 (19.61, 20.58)	27,122,198	4,066	2
2018	7,229	16,779	36,953,372	12,241,695,457	33,515,935.5	19.56	21.57 (21.08, 22.07)	26,033,531	3,601	2
2019	7,531	17,763	37,584,150	12,416,419,229	33,994,303.2	20.04	22.15 (21.66, 22.66)	23,493,778	3,120	2
2020	7,396	17,474	37,873,174	12,535,805,518	34,321,165.0	19.53	21.55 (21.06, 22.05)	18,650,919	2,522	2
2021	8,090	19,724	37,552,195	12,347,810,536	33,806,462.8	21.54	23.93 (23.41, 24.46)	16,067,793	1,986	2
2022	8,171	19,992	36,466,568	11,999,578,034	32,853,054.2	22.41	24.87 (24.34, 25.42)	10,470,060	1,281	2
2023	8,372	19,928	36,308,374	11,952,528,551	32,724,239.7	23.06	25.58 (25.04, 26.14)	4,060,611	485	2
2024	1,204	1,874	9,257,778	1,517,580,178	4,154,908.1	13.01	28.98 (27.39, 30.66)	172,194	143	2

**Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)**

<i>0-5 years</i>										
2017	*****	*****	15,078,937	4,058,533,201	11,111,658.3	*****	*****	19,956	*****	*****
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	11,301	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	5,494	*****	*****
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	6,491	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	891	*****	*****
2022	0	0	3,106,316	792,102,680	2,168,658.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	1,330	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	57	*****	*****
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	90,015	*****	*****
2018	*****	*****	15,786,114	4,402,805,294	12,054,223.9	*****	*****	69,618	*****	*****
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	35,771	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	21,334	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	17,721	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	3,344	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	3,541	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	890	*****	*****
<i>12-17 years</i>										
2017	64	94	14,538,402	3,988,115,131	10,918,864.2	0.44	0.59 (0.46, 0.75)	110,701	1,730	1
2018	69	113	14,828,337	4,108,462,185	11,248,356.4	0.47	0.61 (0.48, 0.78)	125,816	1,823	2
2019	67	99	15,690,249	4,319,123,912	11,825,116.8	0.43	0.57 (0.45, 0.72)	84,507	1,261	1
2020	62	104	16,365,074	4,690,652,895	12,842,307.7	0.38	0.48 (0.38, 0.62)	66,706	1,076	2
2021	78	121	17,062,103	5,009,084,363	13,714,125.6	0.46	0.57 (0.46, 0.71)	44,385	569	2
2022	15	28	4,069,039	1,094,424,076	2,996,369.8	0.37	0.50 (0.30, 0.83)	15,556	1,037	2
2023	28	38	3,871,396	1,048,256,560	2,869,970.0	0.72	0.98 (0.67, 1.41)	11,989	428	1
2024	12	21	3,304,739	471,958,328	1,292,151.5	0.36	0.93 (0.53, 1.64)	1,605	134	2
<i>18-44 years</i>										
2017	1,366	2,783	45,110,162	12,307,284,209	33,695,507.8	3.03	4.05 (3.84, 4.27)	3,464,830	2,536	2
2018	1,558	2,902	45,316,544	12,457,469,019	34,106,691.4	3.44	4.57 (4.35, 4.80)	3,320,947	2,132	2
2019	1,461	2,770	45,708,282	12,519,506,416	34,276,540.5	3.20	4.26 (4.05, 4.49)	2,684,802	1,838	2
2020	1,339	2,633	46,816,655	13,432,187,930	36,775,326.3	2.86	3.64 (3.45, 3.84)	1,949,212	1,456	2
2021	1,491	2,858	49,953,259	14,882,872,858	40,747,085.2	2.98	3.66 (3.48, 3.85)	1,419,529	952	2
2022	771	1,465	22,412,575	6,117,039,175	16,747,540.5	3.44	4.60 (4.29, 4.94)	823,835	1,069	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2023	815	1,476	21,307,346	5,914,567,082	16,193,202.1	3.82	5.03 (4.70, 5.39)	423,781	520	2
2024	409	617	17,522,152	2,548,291,731	6,976,842.5	2.33	5.86 (5.32, 6.46)	56,593	138	2
<i>45-64 years</i>										
2017	2,893	5,790	29,702,284	8,843,570,487	24,212,376.4	9.74	11.95 (11.52, 12.39)	8,197,020	2,833	2
2018	3,014	6,226	29,316,341	8,790,383,278	24,066,757.8	10.28	12.52 (12.08, 12.98)	7,755,596	2,573	2
2019	3,013	6,023	29,073,228	8,687,353,874	23,784,678.6	10.36	12.67 (12.22, 13.13)	6,462,336	2,145	2
2020	2,813	5,791	28,972,821	8,765,109,571	23,997,562.1	9.71	11.72 (11.30, 12.16)	4,983,807	1,772	2
2021	2,940	5,819	29,175,908	8,954,950,133	24,517,317.3	10.08	11.99 (11.57, 12.43)	3,774,105	1,284	2
2022	2,258	4,612	18,200,159	5,406,860,704	14,803,177.8	12.41	15.25 (14.64, 15.90)	2,522,655	1,117	2
2023	2,259	4,466	17,247,552	5,129,942,244	14,045,016.4	13.10	16.08 (15.43, 16.76)	1,229,610	544	2
2024	983	1,455	13,157,408	2,005,810,348	5,491,609.4	7.47	17.90 (16.82, 19.05)	130,668	133	1
<i>≥ 65 years</i>										
2017	6,043	13,597	36,484,359	12,126,536,505	33,200,647.5	16.56	18.20 (17.75, 18.67)	24,040,493	3,978	2
2018	6,632	15,196	36,953,372	12,241,695,457	33,515,935.5	17.95	19.79 (19.32, 20.27)	23,497,717	3,543	2
2019	6,998	16,155	37,584,150	12,416,419,229	33,994,303.2	18.62	20.59 (20.11, 21.07)	21,290,926	3,042	2
2020	6,940	15,973	37,873,174	12,535,805,518	34,321,165.0	18.32	20.22 (19.75, 20.70)	17,014,644	2,452	2
2021	7,638	18,078	37,552,195	12,347,810,536	33,806,462.8	20.34	22.59 (22.09, 23.11)	14,721,501	1,927	2
2022	7,737	18,319	36,466,568	11,999,578,034	32,853,054.2	21.22	23.55 (23.03, 24.08)	9,616,224	1,243	2
2023	7,904	18,155	36,308,374	11,952,528,551	32,724,239.7	21.77	24.15 (23.63, 24.69)	3,726,231	471	2
2024	1,155	1,775	9,257,778	1,517,580,178	4,154,908.1	12.48	27.80 (26.24, 29.45)	162,950	141	2

**Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist**

<i>0-5 years</i>										
2017	*****	*****	15,078,937	4,058,533,201	11,111,658.3	*****	*****	8,571	*****	*****
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	7,602	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	1,927	*****	*****
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	727	*****	*****
2021	0	0	16,024,149	4,644,287,925	12,715,367.4	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2022	0	0	3,106,316	792,102,680	2,168,658.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	561	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	56,554	*****	*****
2018	*****	*****	15,786,114	4,402,805,294	12,054,223.9	*****	*****	48,813	*****	*****
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	21,501	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	16,433	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	9,041	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	2,451	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	2,271	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	541	*****	*****
<i>12-17 years</i>										
2017	34	54	14,538,402	3,988,115,131	10,918,864.2	0.23	0.31 (0.22, 0.44)	62,506	1,838	2
2018	48	66	14,828,337	4,108,462,185	11,248,356.4	0.32	0.43 (0.32, 0.57)	69,834	1,455	1
2019	28	41	15,690,249	4,319,123,912	11,825,116.8	0.18	0.24 (0.16, 0.34)	33,953	1,213	1
2020	44	74	16,365,074	4,690,652,895	12,842,307.7	0.27	0.34 (0.25, 0.46)	45,060	1,024	2
2021	47	70	17,062,103	5,009,084,363	13,714,125.6	0.28	0.34 (0.26, 0.46)	25,825	549	1
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	8,337	*****	*****
2023	13	20	3,871,396	1,048,256,560	2,869,970.0	0.34	0.45 (0.26, 0.78)	6,360	489	2
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	1,196	*****	*****
<i>18-44 years</i>										
2017	799	1,364	45,110,162	12,307,284,209	33,695,507.8	1.77	2.37 (2.21, 2.54)	1,810,962	2,267	2
2018	847	1,455	45,316,544	12,457,469,019	34,106,691.4	1.87	2.48 (2.32, 2.66)	1,642,213	1,939	2
2019	858	1,488	45,708,282	12,519,506,416	34,276,540.5	1.88	2.50 (2.34, 2.68)	1,520,853	1,773	2
2020	749	1,398	46,816,655	13,432,187,930	36,775,326.3	1.60	2.04 (1.90, 2.19)	1,092,893	1,459	2
2021	841	1,469	49,953,259	14,882,872,858	40,747,085.2	1.68	2.06 (1.93, 2.21)	769,025	914	2
2022	445	783	22,412,575	6,117,039,175	16,747,540.5	1.99	2.66 (2.42, 2.92)	443,901	998	2
2023	445	742	21,307,346	5,914,567,082	16,193,202.1	2.09	2.75 (2.50, 3.02)	218,905	492	2
2024	223	318	17,522,152	2,548,291,731	6,976,842.5	1.27	3.20 (2.80, 3.64)	29,520	132	1

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>45-64 years</i>										
2017	1,778	3,268	29,702,284	8,843,570,487	24,212,376.4	5.99	7.34 (7.01, 7.69)	4,648,932	2,615	2
2018	1,775	3,321	29,316,341	8,790,383,278	24,066,757.8	6.05	7.38 (7.04, 7.73)	4,213,418	2,374	2
2019	1,796	3,323	29,073,228	8,687,353,874	23,784,678.6	6.18	7.55 (7.21, 7.91)	3,664,342	2,040	2
2020	1,759	3,291	28,972,821	8,765,109,571	23,997,562.1	6.07	7.33 (7.00, 7.68)	2,917,611	1,659	2
2021	1,786	3,313	29,175,908	8,954,950,133	24,517,317.3	6.12	7.28 (6.95, 7.63)	2,190,380	1,226	2
2022	1,335	2,554	18,200,159	5,406,860,704	14,803,177.8	7.34	9.02 (8.55, 9.52)	1,440,653	1,079	2
2023	1,333	2,474	17,247,552	5,129,942,244	14,045,016.4	7.73	9.49 (8.99, 10.01)	698,072	524	2
2024	579	806	13,157,408	2,005,810,348	5,491,609.4	4.40	10.54 (9.72, 11.44)	73,485	127	1
<i>≥ 65 years</i>										
2017	4,180	8,678	36,484,359	12,126,536,505	33,200,647.5	11.46	12.59 (12.21, 12.98)	15,784,755	3,776	2
2018	4,537	9,347	36,953,372	12,241,695,457	33,515,935.5	12.28	13.54 (13.15, 13.94)	14,869,501	3,277	2
2019	4,780	9,766	37,584,150	12,416,419,229	33,994,303.2	12.72	14.06 (13.67, 14.47)	13,273,215	2,777	2
2020	4,700	9,542	37,873,174	12,535,805,518	34,321,165.0	12.41	13.69 (13.31, 14.09)	10,402,491	2,213	2
2021	5,114	10,396	37,552,195	12,347,810,536	33,806,462.8	13.62	15.13 (14.72, 15.55)	8,729,300	1,707	2
2022	5,083	10,220	36,466,568	11,999,578,034	32,853,054.2	13.94	15.47 (15.05, 15.90)	5,519,305	1,086	2
2023	5,108	10,209	36,308,374	11,952,528,551	32,724,239.7	14.07	15.61 (15.19, 16.04)	2,145,899	420	2
2024	738	1,054	9,257,778	1,517,580,178	4,154,908.1	7.97	17.76 (16.53, 19.09)	98,958	134	1
<b>Patients with Other Lupus Erythematosus</b>										
<i>0-5 years</i>										
2017	27	58	15,078,937	4,058,533,201	11,111,658.3	0.18	0.24 (0.17, 0.35)	82,819	3,067	2
2018	39	135	14,963,946	4,090,172,342	11,198,281.6	0.26	0.35 (0.25, 0.48)	155,306	3,982	3
2019	32	187	15,674,222	4,224,855,440	11,567,023.8	0.20	0.28 (0.20, 0.39)	189,031	5,907	6
2020	30	191	15,599,657	4,431,553,658	12,132,932.7	0.19	0.25 (0.17, 0.35)	127,895	4,263	6
2021	33	140	16,024,149	4,644,287,925	12,715,367.4	0.21	0.26 (0.18, 0.37)	60,733	1,840	4

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	17,118	*****	*****
2023	12	33	2,952,274	766,188,436	2,097,709.6	0.41	0.57 (0.32, 1.01)	12,203	1,017	3
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	492	*****	*****
<i>6-11 years</i>										
2017	116	264	15,776,789	4,353,450,071	11,919,096.7	0.74	0.97 (0.81, 1.17)	363,097	3,130	2
2018	114	308	15,786,114	4,402,805,294	12,054,223.9	0.72	0.95 (0.79, 1.14)	352,970	3,096	3
2019	119	233	16,399,128	4,512,261,068	12,353,897.5	0.73	0.96 (0.80, 1.15)	218,975	1,840	2
2020	98	199	16,695,992	4,764,498,795	13,044,486.8	0.59	0.75 (0.62, 0.92)	119,383	1,218	2
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	69,213	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	45,059	*****	*****
2023	28	82	3,458,009	925,361,895	2,533,502.8	0.81	1.11 (0.76, 1.60)	26,028	930	3
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	2,424	*****	*****
<i>12-17 years</i>										
2017	263	773	14,538,402	3,988,115,131	10,918,864.2	1.81	2.41 (2.13, 2.72)	1,116,261	4,244	3
2018	307	758	14,828,337	4,108,462,185	11,248,356.4	2.07	2.73 (2.44, 3.05)	951,732	3,100	2
2019	301	643	15,690,249	4,319,123,912	11,825,116.8	1.92	2.55 (2.27, 2.85)	596,879	1,983	2
2020	299	683	16,365,074	4,690,652,895	12,842,307.7	1.83	2.33 (2.08, 2.61)	482,477	1,614	2
2021	300	638	17,062,103	5,009,084,363	13,714,125.6	1.76	2.19 (1.95, 2.45)	221,849	739	2
2022	76	150	4,069,039	1,094,424,076	2,996,369.8	1.87	2.54 (2.03, 3.18)	87,702	1,154	2
2023	78	178	3,871,396	1,048,256,560	2,869,970.0	2.01	2.72 (2.18, 3.39)	59,171	759	2
2024	48	86	3,304,739	471,958,328	1,292,151.5	1.45	3.71 (2.80, 4.93)	7,071	147	2
<i>18-44 years</i>										
2017	4,910	14,047	45,110,162	12,307,284,209	33,695,507.8	10.88	14.57 (14.17, 14.99)	18,670,766	3,803	3
2018	5,093	13,894	45,316,544	12,457,469,019	34,106,691.4	11.24	14.93 (14.53, 15.35)	16,274,801	3,196	3
2019	4,857	12,507	45,708,282	12,519,506,416	34,276,540.5	10.63	14.17 (13.78, 14.57)	12,001,717	2,471	3
2020	4,301	11,871	46,816,655	13,432,187,930	36,775,326.3	9.19	11.70 (11.35, 12.05)	8,384,179	1,949	3
2021	4,583	11,607	49,953,259	14,882,872,858	40,747,085.2	9.17	11.25 (10.93, 11.58)	5,208,357	1,136	3
2022	2,325	5,370	22,412,575	6,117,039,175	16,747,540.5	10.37	13.88 (13.33, 14.46)	2,835,509	1,220	2
2023	2,157	4,888	21,307,346	5,914,567,082	16,193,202.1	10.12	13.32 (12.77, 13.89)	1,325,077	614	2

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2024	974	1,679	17,522,152	2,548,291,731	6,976,842.5	5.56	13.96 (13.11, 14.87)	152,025	156	2
<i>45-64 years</i>										
2017	8,239	25,334	29,702,284	8,843,570,487	24,212,376.4	27.74	34.03 (33.30, 34.77)	34,854,095	4,230	3
2018	8,029	24,238	29,316,341	8,790,383,278	24,066,757.8	27.39	33.36 (32.64, 34.10)	28,959,029	3,607	3
2019	7,721	22,766	29,073,228	8,687,353,874	23,784,678.6	26.56	32.46 (31.75, 33.19)	22,564,473	2,922	3
2020	6,885	22,067	28,972,821	8,765,109,571	23,997,562.1	23.76	28.69 (28.02, 29.38)	16,461,081	2,391	3
2021	6,748	20,433	29,175,908	8,954,950,133	24,517,317.3	23.13	27.52 (26.87, 28.19)	10,410,634	1,543	3
2022	4,812	10,549	18,200,159	5,406,860,704	14,803,177.8	26.44	32.51 (31.60, 33.44)	5,713,773	1,187	2
2023	4,684	10,559	17,247,552	5,129,942,244	14,045,016.4	27.16	33.35 (32.41, 34.32)	2,861,301	611	2
2024	1,981	3,410	13,157,408	2,005,810,348	5,491,609.4	15.06	36.07 (34.52, 37.70)	306,752	155	2
<i>≥ 65 years</i>										
2017	9,826	23,142	36,484,359	12,126,536,505	33,200,647.5	26.93	29.60 (29.02, 30.19)	38,002,482	3,868	2
2018	10,158	23,935	36,953,372	12,241,695,457	33,515,935.5	27.49	30.31 (29.72, 30.90)	34,680,152	3,414	2
2019	10,447	25,502	37,584,150	12,416,419,229	33,994,303.2	27.80	30.73 (30.15, 31.33)	32,057,536	3,069	2
2020	9,804	24,717	37,873,174	12,535,805,518	34,321,165.0	25.89	28.57 (28.01, 29.14)	24,879,797	2,538	3
2021	10,244	25,200	37,552,195	12,347,810,536	33,806,462.8	27.28	30.30 (29.72, 30.89)	19,151,353	1,870	2
2022	10,373	24,029	36,466,568	11,999,578,034	32,853,054.2	28.45	31.57 (30.97, 32.19)	12,424,549	1,198	2
2023	10,358	24,400	36,308,374	11,952,528,551	32,724,239.7	28.53	31.65 (31.05, 32.27)	5,174,364	500	2
2024	1,629	2,837	9,257,778	1,517,580,178	4,154,908.1	17.60	39.21 (37.35, 41.16)	254,793	156	2

**Patients with Other Lupus Erythematosus Coded by Any Known Provider**

<i>0-5 years</i>										
2017	25	51	15,078,937	4,058,533,201	11,111,658.3	0.17	0.22 (0.15, 0.33)	71,779	2,871	2
2018	36	89	14,963,946	4,090,172,342	11,198,281.6	0.24	0.32 (0.23, 0.45)	99,161	2,754	2
2019	29	53	15,674,222	4,224,855,440	11,567,023.8	0.19	0.25 (0.17, 0.36)	45,584	1,572	2
2020	26	59	15,599,657	4,431,553,658	12,132,932.7	0.17	0.21 (0.15, 0.31)	36,886	1,419	2
2021	31	75	16,024,149	4,644,287,925	12,715,367.4	0.19	0.24 (0.17, 0.35)	27,698	893	2
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	14,877	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	11,222	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	492	*****	*****

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>6-11 years</i>										
2017	109	252	15,776,789	4,353,450,071	11,919,096.7	0.69	0.91 (0.76, 1.10)	348,078	3,193	2
2018	108	254	15,786,114	4,402,805,294	12,054,223.9	0.68	0.90 (0.74, 1.08)	285,654	2,645	2
2019	113	217	16,399,128	4,512,261,068	12,353,897.5	0.69	0.91 (0.76, 1.10)	204,422	1,809	2
2020	96	191	16,695,992	4,764,498,795	13,044,486.8	0.57	0.74 (0.60, 0.90)	114,235	1,190	2
2021	100	216	17,050,836	4,999,299,876	13,687,337.1	0.59	0.73 (0.60, 0.89)	62,277	623	2
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	31,236	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	20,048	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	1,779	*****	*****
<i>12-17 years</i>										
2017	238	716	14,538,402	3,988,115,131	10,918,864.2	1.64	2.18 (1.92, 2.48)	1,025,457	4,309	3
2018	281	661	14,828,337	4,108,462,185	11,248,356.4	1.90	2.50 (2.22, 2.81)	824,919	2,936	2
2019	281	560	15,690,249	4,319,123,912	11,825,116.8	1.79	2.38 (2.11, 2.67)	509,376	1,813	2
2020	274	599	16,365,074	4,690,652,895	12,842,307.7	1.67	2.13 (1.90, 2.40)	406,493	1,484	2
2021	279	585	17,062,103	5,009,084,363	13,714,125.6	1.64	2.03 (1.81, 2.29)	186,338	668	2
2022	56	98	4,069,039	1,094,424,076	2,996,369.8	1.38	1.87 (1.44, 2.43)	55,536	992	2
2023	59	127	3,871,396	1,048,256,560	2,869,970.0	1.52	2.06 (1.59, 2.65)	41,981	712	2
2024	39	71	3,304,739	471,958,328	1,292,151.5	1.18	3.02 (2.21, 4.13)	5,529	142	2
<i>18-44 years</i>										
2017	4,394	10,939	45,110,162	12,307,284,209	33,695,507.8	9.74	13.04 (12.66, 13.43)	14,393,838	3,276	2
2018	4,571	11,305	45,316,544	12,457,469,019	34,106,691.4	10.09	13.40 (13.02, 13.80)	13,262,469	2,901	2
2019	4,385	10,625	45,708,282	12,519,506,416	34,276,540.5	9.59	12.79 (12.42, 13.18)	10,195,337	2,325	2
2020	3,902	10,110	46,816,655	13,432,187,930	36,775,326.3	8.33	10.61 (10.28, 10.95)	7,124,482	1,826	3
2021	4,192	9,814	49,953,259	14,882,872,858	40,747,085.2	8.39	10.29 (9.98, 10.60)	4,348,865	1,037	2
2022	2,058	4,484	22,412,575	6,117,039,175	16,747,540.5	9.18	12.29 (11.77, 12.83)	2,305,115	1,120	2
2023	1,880	4,071	21,307,346	5,914,567,082	16,193,202.1	8.82	11.61 (11.10, 12.15)	1,072,409	570	2
2024	804	1,155	17,522,152	2,548,291,731	6,976,842.5	4.59	11.52 (10.75, 12.35)	102,263	127	1
<i>45-64 years</i>										
2017	7,489	20,729	29,702,284	8,843,570,487	24,212,376.4	25.21	30.93 (30.24, 31.64)	28,286,158	3,777	3

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2018	7,289	20,045	29,316,341	8,790,383,278	24,066,757.8	24.86	30.29 (29.60, 30.99)	24,185,268	3,318	3
2019	6,980	18,028	29,073,228	8,687,353,874	23,784,678.6	24.01	29.35 (28.67, 30.04)	18,114,821	2,595	3
2020	6,241	16,572	28,972,821	8,765,109,571	23,997,562.1	21.54	26.01 (25.37, 26.66)	12,778,896	2,048	3
2021	6,123	15,612	29,175,908	8,954,950,133	24,517,317.3	20.99	24.97 (24.36, 25.61)	8,472,552	1,384	3
2022	4,355	9,039	18,200,159	5,406,860,704	14,803,177.8	23.93	29.42 (28.56, 30.31)	4,836,652	1,111	2
2023	4,219	8,821	17,247,552	5,129,942,244	14,045,016.4	24.46	30.04 (29.15, 30.96)	2,315,510	549	2
2024	1,699	2,589	13,157,408	2,005,810,348	5,491,609.4	12.91	30.94 (29.50, 32.44)	233,649	138	2
<i>≥ 65 years</i>										
2017	9,567	21,876	36,484,359	12,126,536,505	33,200,647.5	26.22	28.82 (28.24, 29.40)	36,149,653	3,779	2
2018	9,902	22,568	36,953,372	12,241,695,457	33,515,935.5	26.80	29.54 (28.97, 30.13)	33,050,678	3,338	2
2019	10,168	24,110	37,584,150	12,416,419,229	33,994,303.2	27.05	29.91 (29.34, 30.50)	30,560,243	3,006	2
2020	9,544	23,227	37,873,174	12,535,805,518	34,321,165.0	25.20	27.81 (27.26, 28.37)	23,698,547	2,483	2
2021	9,985	23,503	37,552,195	12,347,810,536	33,806,462.8	26.59	29.54 (28.96, 30.12)	18,221,005	1,825	2
2022	10,093	22,995	36,466,568	11,999,578,034	32,853,054.2	27.68	30.72 (30.13, 31.33)	11,851,208	1,174	2
2023	10,072	23,151	36,308,374	11,952,528,551	32,724,239.7	27.74	30.78 (30.18, 31.39)	4,753,942	472	2
2024	1,403	2,138	9,257,778	1,517,580,178	4,154,908.1	15.15	33.77 (32.05, 35.58)	196,083	140	2

**Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)**

<i>0-5 years</i>										
2017	22	43	15,078,937	4,058,533,201	11,111,658.3	0.15	0.20 (0.13, 0.30)	64,301	2,923	2
2018	30	55	14,963,946	4,090,172,342	11,198,281.6	0.20	0.27 (0.19, 0.38)	56,797	1,893	2
2019	27	48	15,674,222	4,224,855,440	11,567,023.8	0.17	0.23 (0.16, 0.34)	41,173	1,525	2
2020	24	52	15,599,657	4,431,553,658	12,132,932.7	0.15	0.20 (0.13, 0.30)	32,689	1,362	2
2021	28	65	16,024,149	4,644,287,925	12,715,367.4	0.17	0.22 (0.15, 0.32)	21,873	781	2
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	14,194	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	10,690	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	492	*****	*****
<i>6-11 years</i>										
2017	87	202	15,776,789	4,353,450,071	11,919,096.7	0.55	0.73 (0.59, 0.90)	274,859	3,159	2
2018	99	217	15,786,114	4,402,805,294	12,054,223.9	0.63	0.82 (0.67, 1.00)	243,636	2,461	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2019	91	165	16,399,128	4,512,261,068	12,353,897.5	0.55	0.74 (0.60, 0.90)	161,111	1,770	2
2020	81	149	16,695,992	4,764,498,795	13,044,486.8	0.49	0.62 (0.50, 0.77)	91,541	1,130	2
2021	85	173	17,050,836	4,999,299,876	13,687,337.1	0.50	0.62 (0.50, 0.77)	44,875	528	2
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	26,577	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	18,011	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	1,653	*****	*****
<i>12-17 years</i>										
2017	196	642	14,538,402	3,988,115,131	10,918,864.2	1.35	1.80 (1.56, 2.06)	929,830	4,744	3
2018	229	554	14,828,337	4,108,462,185	11,248,356.4	1.54	2.04 (1.79, 2.32)	703,398	3,072	2
2019	244	478	15,690,249	4,319,123,912	11,825,116.8	1.56	2.06 (1.82, 2.34)	438,372	1,797	2
2020	238	457	16,365,074	4,690,652,895	12,842,307.7	1.45	1.85 (1.63, 2.10)	312,728	1,314	2
2021	234	459	17,062,103	5,009,084,363	13,714,125.6	1.37	1.71 (1.50, 1.94)	156,008	667	2
2022	50	82	4,069,039	1,094,424,076	2,996,369.8	1.23	1.67 (1.26, 2.20)	46,266	925	2
2023	51	93	3,871,396	1,048,256,560	2,869,970.0	1.32	1.78 (1.35, 2.34)	32,774	643	2
2024	34	63	3,304,739	471,958,328	1,292,151.5	1.03	2.63 (1.88, 3.68)	5,046	148	2
<i>18-44 years</i>										
2017	3,834	8,258	45,110,162	12,307,284,209	33,695,507.8	8.50	11.38 (11.02, 11.74)	10,496,847	2,738	2
2018	3,988	8,900	45,316,544	12,457,469,019	34,106,691.4	8.80	11.69 (11.34, 12.06)	10,464,881	2,624	2
2019	3,837	8,471	45,708,282	12,519,506,416	34,276,540.5	8.39	11.19 (10.85, 11.55)	8,348,076	2,176	2
2020	3,492	8,031	46,816,655	13,432,187,930	36,775,326.3	7.46	9.50 (9.19, 9.82)	5,924,271	1,697	2
2021	3,715	8,096	49,953,259	14,882,872,858	40,747,085.2	7.44	9.12 (8.83, 9.42)	3,844,245	1,035	2
2022	1,914	4,104	22,412,575	6,117,039,175	16,747,540.5	8.54	11.43 (10.93, 11.95)	2,102,656	1,099	2
2023	1,738	3,734	21,307,346	5,914,567,082	16,193,202.1	8.16	10.73 (10.24, 11.25)	989,754	569	2
2024	752	1,079	17,522,152	2,548,291,731	6,976,842.5	4.29	10.78 (10.04, 11.58)	96,777	129	1
<i>45-64 years</i>										
2017	6,696	14,385	29,702,284	8,843,570,487	24,212,376.4	22.54	27.66 (27.00, 28.33)	20,592,574	3,075	2
2018	6,573	14,687	29,316,341	8,790,383,278	24,066,757.8	22.42	27.31 (26.66, 27.98)	18,596,857	2,829	2
2019	6,304	13,366	29,073,228	8,687,353,874	23,784,678.6	21.68	26.50 (25.86, 27.17)	14,328,630	2,273	2
2020	5,684	11,919	28,972,821	8,765,109,571	23,997,562.1	19.62	23.69 (23.08, 24.31)	10,320,105	1,816	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2021	5,522	11,351	29,175,908	8,954,950,133	24,517,317.3	18.93	22.52 (21.94, 23.12)	7,303,235	1,323	2
2022	4,102	8,358	18,200,159	5,406,860,704	14,803,177.8	22.54	27.71 (26.88, 28.57)	4,485,027	1,093	2
2023	3,966	8,217	17,247,552	5,129,942,244	14,045,016.4	22.99	28.24 (27.37, 29.13)	2,182,529	550	2
2024	1,621	2,473	13,157,408	2,005,810,348	5,491,609.4	12.32	29.52 (28.12, 30.99)	225,159	139	2
<i>≥ 65 years</i>										
2017	8,551	19,545	36,484,359	12,126,536,505	33,200,647.5	23.44	25.76 (25.22, 26.31)	32,145,293	3,759	2
2018	8,975	20,328	36,953,372	12,241,695,457	33,515,935.5	24.29	26.78 (26.23, 27.34)	29,836,382	3,324	2
2019	9,297	21,892	37,584,150	12,416,419,229	33,994,303.2	24.74	27.35 (26.80, 27.91)	27,791,070	2,989	2
2020	8,797	21,114	37,873,174	12,535,805,518	34,321,165.0	23.23	25.63 (25.10, 26.17)	21,624,789	2,458	2
2021	9,252	21,235	37,552,195	12,347,810,536	33,806,462.8	24.64	27.37 (26.82, 27.93)	16,556,718	1,790	2
2022	9,320	20,965	36,466,568	11,999,578,034	32,853,054.2	25.56	28.37 (27.80, 28.95)	10,818,049	1,161	2
2023	9,381	21,193	36,308,374	11,952,528,551	32,724,239.7	25.84	28.67 (28.09, 29.25)	4,386,744	468	2
2024	1,365	2,080	9,257,778	1,517,580,178	4,154,908.1	14.74	32.85 (31.16, 34.64)	191,271	140	2

**Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist**

<i>0-5 years</i>										
2017	13	28	15,078,937	4,058,533,201	11,111,658.3	0.09	0.12 (0.07, 0.20)	44,115	3,393	2
2018	14	29	14,963,946	4,090,172,342	11,198,281.6	0.09	0.13 (0.07, 0.21)	26,718	1,908	2
2019	15	31	15,674,222	4,224,855,440	11,567,023.8	0.10	0.13 (0.08, 0.22)	23,113	1,541	2
2020	14	26	15,599,657	4,431,553,658	12,132,932.7	0.09	0.12 (0.07, 0.19)	11,701	836	2
2021	19	42	16,024,149	4,644,287,925	12,715,367.4	0.12	0.15 (0.10, 0.23)	11,828	623	2
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	11,280	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	4,828	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	198	*****	*****
<i>6-11 years</i>										
2017	55	130	15,776,789	4,353,450,071	11,919,096.7	0.35	0.46 (0.35, 0.60)	167,612	3,047	2
2018	60	146	15,786,114	4,402,805,294	12,054,223.9	0.38	0.50 (0.39, 0.64)	159,527	2,659	2
2019	62	111	16,399,128	4,512,261,068	12,353,897.5	0.38	0.50 (0.39, 0.64)	114,068	1,840	2
2020	58	102	16,695,992	4,764,498,795	13,044,486.8	0.35	0.44 (0.34, 0.58)	63,909	1,102	2
2021	58	107	17,050,836	4,999,299,876	13,687,337.1	0.34	0.42 (0.33, 0.55)	27,198	469	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	8,273	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	8,672	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	1,207	*****	*****
<i>12-17 years</i>										
2017	112	238	14,538,402	3,988,115,131	10,918,864.2	0.77	1.03 (0.85, 1.23)	320,310	2,860	2
2018	125	224	14,828,337	4,108,462,185	11,248,356.4	0.84	1.11 (0.93, 1.32)	288,369	2,307	2
2019	142	254	15,690,249	4,319,123,912	11,825,116.8	0.91	1.20 (1.02, 1.42)	236,170	1,663	2
2020	148	249	16,365,074	4,690,652,895	12,842,307.7	0.90	1.15 (0.98, 1.35)	173,625	1,173	2
2021	*****	*****	17,062,103	5,009,084,363	13,714,125.6	*****	*****	87,768	*****	*****
2022	29	49	4,069,039	1,094,424,076	2,996,369.8	0.71	0.97 (0.67, 1.39)	29,605	1,021	2
2023	32	53	3,871,396	1,048,256,560	2,869,970.0	0.83	1.11 (0.79, 1.58)	18,893	590	2
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	2,180	*****	*****
<i>18-44 years</i>										
2017	1,483	2,637	45,110,162	12,307,284,209	33,695,507.8	3.29	4.40 (4.18, 4.63)	3,288,070	2,217	2
2018	1,561	2,769	45,316,544	12,457,469,019	34,106,691.4	3.44	4.58 (4.36, 4.81)	3,235,171	2,072	2
2019	1,658	2,883	45,708,282	12,519,506,416	34,276,540.5	3.63	4.84 (4.61, 5.08)	2,765,230	1,668	2
2020	1,632	2,927	46,816,655	13,432,187,930	36,775,326.3	3.49	4.44 (4.23, 4.66)	2,172,752	1,331	2
2021	1,790	3,106	49,953,259	14,882,872,858	40,747,085.2	3.58	4.39 (4.19, 4.60)	1,541,520	861	2
2022	879	1,590	22,412,575	6,117,039,175	16,747,540.5	3.92	5.25 (4.91, 5.61)	857,465	976	2
2023	806	1,434	21,307,346	5,914,567,082	16,193,202.1	3.78	4.98 (4.65, 5.33)	406,048	504	2
2024	394	523	17,522,152	2,548,291,731	6,976,842.5	2.25	5.65 (5.12, 6.23)	48,246	122	1
<i>45-64 years</i>										
2017	2,461	4,463	29,702,284	8,843,570,487	24,212,376.4	8.29	10.16 (9.77, 10.57)	6,457,591	2,624	2
2018	2,538	4,469	29,316,341	8,790,383,278	24,066,757.8	8.66	10.55 (10.14, 10.96)	5,649,314	2,226	2
2019	2,554	4,829	29,073,228	8,687,353,874	23,784,678.6	8.78	10.74 (10.33, 11.16)	5,097,484	1,996	2
2020	2,387	4,288	28,972,821	8,765,109,571	23,997,562.1	8.24	9.95 (9.56, 10.35)	3,781,590	1,584	2
2021	2,387	4,162	29,175,908	8,954,950,133	24,517,317.3	8.18	9.74 (9.35, 10.13)	2,665,495	1,117	2
2022	1,685	3,040	18,200,159	5,406,860,704	14,803,177.8	9.26	11.38 (10.85, 11.94)	1,702,752	1,011	2
2023	1,689	2,967	17,247,552	5,129,942,244	14,045,016.4	9.79	12.03 (11.47, 12.61)	854,481	506	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2024	754	1,039	13,157,408	2,005,810,348	5,491,609.4	5.73	13.73 (12.78, 14.75)	94,180	125	1
<i>≥ 65 years</i>										
2017	3,419	6,360	36,484,359	12,126,536,505	33,200,647.5	9.37	10.30 (9.96, 10.65)	11,759,288	3,439	2
2018	3,646	6,819	36,953,372	12,241,695,457	33,515,935.5	9.87	10.88 (10.53, 11.24)	11,020,448	3,023	2
2019	3,897	7,440	37,584,150	12,416,419,229	33,994,303.2	10.37	11.46 (11.11, 11.83)	10,215,626	2,621	2
2020	3,770	7,155	37,873,174	12,535,805,518	34,321,165.0	9.95	10.98 (10.64, 11.34)	7,868,541	2,087	2
2021	4,097	7,784	37,552,195	12,347,810,536	33,806,462.8	10.91	12.12 (11.75, 12.50)	6,476,250	1,581	2
2022	4,122	7,630	36,466,568	11,999,578,034	32,853,054.2	11.30	12.55 (12.17, 12.94)	4,111,829	998	2
2023	4,193	7,938	36,308,374	11,952,528,551	32,724,239.7	11.55	12.81 (12.43, 13.21)	1,677,199	400	2
2024	670	902	9,257,778	1,517,580,178	4,154,908.1	7.24	16.13 (14.95, 17.39)	82,659	123	1
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus</b>										
<i>0-5 years</i>										
2017	14	20	15,078,937	4,058,533,201	11,111,658.3	0.09	0.13 (0.07, 0.21)	29,437	2,103	1
2018	14	29	14,963,946	4,090,172,342	11,198,281.6	0.09	0.13 (0.07, 0.21)	32,232	2,302	2
2019	27	150	15,674,222	4,224,855,440	11,567,023.8	0.17	0.23 (0.16, 0.34)	124,161	4,599	6
2020	20	190	15,599,657	4,431,553,658	12,132,932.7	0.13	0.16 (0.11, 0.26)	118,760	5,938	10
2021	29	233	16,024,149	4,644,287,925	12,715,367.4	0.18	0.23 (0.16, 0.33)	45,864	1,582	8
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	4,968	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	4,083	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	263	*****	*****
<i>6-11 years</i>										
2017	49	137	15,776,789	4,353,450,071	11,919,096.7	0.31	0.41 (0.31, 0.54)	204,462	4,173	3
2018	40	109	15,786,114	4,402,805,294	12,054,223.9	0.25	0.33 (0.24, 0.45)	123,780	3,095	3
2019	43	177	16,399,128	4,512,261,068	12,353,897.5	0.26	0.35 (0.26, 0.47)	167,630	3,898	4
2020	36	126	16,695,992	4,764,498,795	13,044,486.8	0.22	0.28 (0.20, 0.38)	79,459	2,207	4
2021	43	133	17,050,836	4,999,299,876	13,687,337.1	0.25	0.31 (0.23, 0.42)	28,921	673	3
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	10,639	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	2,889	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	268	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>12-17 years</i>										
2017	239	809	14,538,402	3,988,115,131	10,918,864.2	1.64	2.19 (1.93, 2.48)	1,028,161	4,302	3
2018	233	796	14,828,337	4,108,462,185	11,248,356.4	1.57	2.07 (1.82, 2.36)	890,487	3,822	3
2019	239	855	15,690,249	4,319,123,912	11,825,116.8	1.52	2.02 (1.78, 2.29)	779,044	3,260	4
2020	228	874	16,365,074	4,690,652,895	12,842,307.7	1.39	1.78 (1.56, 2.02)	533,981	2,342	4
2021	201	899	17,062,103	5,009,084,363	13,714,125.6	1.18	1.47 (1.28, 1.68)	257,560	1,281	4
2022	40	207	4,069,039	1,094,424,076	2,996,369.8	0.98	1.33 (0.98, 1.82)	125,777	3,144	5
2023	39	179	3,871,396	1,048,256,560	2,869,970.0	1.01	1.36 (0.99, 1.86)	60,048	1,540	5
2024	17	99	3,304,739	471,958,328	1,292,151.5	0.51	1.32 (0.82, 2.12)	9,935	584	6
<i>18-44 years</i>										
2017	8,754	32,675	45,110,162	12,307,284,209	33,695,507.8	19.41	25.98 (25.44, 26.53)	42,295,024	4,832	4
2018	8,960	32,548	45,316,544	12,457,469,019	34,106,691.4	19.77	26.27 (25.73, 26.82)	35,953,415	4,013	4
2019	9,155	35,076	45,708,282	12,519,506,416	34,276,540.5	20.03	26.71 (26.17, 27.26)	32,394,691	3,538	4
2020	8,763	33,714	46,816,655	13,432,187,930	36,775,326.3	18.72	23.83 (23.33, 24.33)	23,568,167	2,690	4
2021	8,550	32,963	49,953,259	14,882,872,858	40,747,085.2	17.12	20.98 (20.54, 21.43)	14,661,156	1,715	4
2022	3,875	14,484	22,412,575	6,117,039,175	16,747,540.5	17.29	23.14 (22.42, 23.88)	7,530,682	1,943	4
2023	3,439	13,427	21,307,346	5,914,567,082	16,193,202.1	16.14	21.24 (20.54, 21.96)	3,703,867	1,077	4
2024	1,737	4,736	17,522,152	2,548,291,731	6,976,842.5	9.91	24.90 (23.75, 26.10)	425,440	245	3
<i>45-64 years</i>										
2017	15,232	57,932	29,702,284	8,843,570,487	24,212,376.4	51.28	62.91 (61.92, 63.92)	80,483,200	5,284	4
2018	15,385	57,183	29,316,341	8,790,383,278	24,066,757.8	52.48	63.93 (62.92, 64.94)	69,435,719	4,513	4
2019	16,110	63,296	29,073,228	8,687,353,874	23,784,678.6	55.41	67.73 (66.69, 68.79)	64,224,833	3,987	4
2020	15,322	63,105	28,972,821	8,765,109,571	23,997,562.1	52.88	63.85 (62.85, 64.87)	50,415,342	3,290	4
2021	14,883	61,356	29,175,908	8,954,950,133	24,517,317.3	51.01	60.70 (59.74, 61.69)	35,335,137	2,374	4
2022	10,451	38,654	18,200,159	5,406,860,704	14,803,177.8	57.42	70.60 (69.26, 71.97)	20,540,594	1,965	4
2023	9,538	36,619	17,247,552	5,129,942,244	14,045,016.4	55.30	67.91 (66.56, 69.29)	9,646,170	1,011	4
2024	4,142	10,783	13,157,408	2,005,810,348	5,491,609.4	31.48	75.42 (73.16, 77.76)	993,424	240	3
<i>≥ 65 years</i>										
2017	14,758	53,210	36,484,359	12,126,536,505	33,200,647.5	40.45	44.45 (43.74, 45.17)	84,145,200	5,702	4

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2018	15,636	57,456	36,953,372	12,241,695,457	33,515,935.5	42.31	46.65 (45.93, 47.39)	80,749,751	5,164	4
2019	17,600	67,622	37,584,150	12,416,419,229	33,994,303.2	46.83	51.77 (51.01, 52.54)	79,667,553	4,527	4
2020	17,427	68,375	37,873,174	12,535,805,518	34,321,165.0	46.01	50.78 (50.03, 51.54)	65,549,963	3,761	4
2021	17,895	69,750	37,552,195	12,347,810,536	33,806,462.8	47.65	52.93 (52.16, 53.71)	52,390,659	2,928	4
2022	17,847	69,402	36,466,568	11,999,578,034	32,853,054.2	48.94	54.32 (53.53, 55.13)	34,960,030	1,959	4
2023	17,462	69,396	36,308,374	11,952,528,551	32,724,239.7	48.09	53.36 (52.58, 54.16)	14,632,380	838	4
2024	3,091	9,160	9,257,778	1,517,580,178	4,154,908.1	33.39	74.39 (71.82, 77.06)	838,476	271	3

**Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any Know**

<i>0-5 years</i>										
2017	14	18	15,078,937	4,058,533,201	11,111,658.3	0.09	0.13 (0.07, 0.21)	28,116	2,008	1
2018	11	23	14,963,946	4,090,172,342	11,198,281.6	0.07	0.10 (0.05, 0.18)	24,171	2,197	2
2019	25	148	15,674,222	4,224,855,440	11,567,023.8	0.16	0.22 (0.15, 0.32)	122,308	4,892	6
2020	16	186	15,599,657	4,431,553,658	12,132,932.7	0.10	0.13 (0.08, 0.22)	115,059	7,191	12
2021	26	228	16,024,149	4,644,287,925	12,715,367.4	0.16	0.20 (0.14, 0.30)	44,362	1,706	9
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	3,806	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	3,168	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	102	*****	*****
<i>6-11 years</i>										
2017	45	127	15,776,789	4,353,450,071	11,919,096.7	0.29	0.38 (0.28, 0.51)	192,861	4,286	3
2018	37	98	15,786,114	4,402,805,294	12,054,223.9	0.23	0.31 (0.22, 0.42)	109,801	2,968	3
2019	39	162	16,399,128	4,512,261,068	12,353,897.5	0.24	0.32 (0.23, 0.43)	147,481	3,782	4
2020	33	118	16,695,992	4,764,498,795	13,044,486.8	0.20	0.25 (0.18, 0.36)	71,211	2,158	4
2021	43	131	17,050,836	4,999,299,876	13,687,337.1	0.25	0.31 (0.23, 0.42)	28,502	663	3
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	10,157	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	2,072	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	268	*****	*****
<i>12-17 years</i>										
2017	228	702	14,538,402	3,988,115,131	10,918,864.2	1.57	2.09 (1.83, 2.38)	888,341	3,896	3
2018	216	715	14,828,337	4,108,462,185	11,248,356.4	1.46	1.92 (1.68, 2.19)	797,859	3,694	3

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2019	218	737	15,690,249	4,319,123,912	11,825,116.8	1.39	1.84 (1.61, 2.11)	648,496	2,975	3
2020	214	792	16,365,074	4,690,652,895	12,842,307.7	1.31	1.67 (1.46, 1.91)	462,533	2,161	4
2021	189	806	17,062,103	5,009,084,363	13,714,125.6	1.11	1.38 (1.20, 1.59)	214,300	1,134	4
2022	36	137	4,069,039	1,094,424,076	2,996,369.8	0.88	1.20 (0.87, 1.67)	79,861	2,218	4
2023	33	125	3,871,396	1,048,256,560	2,869,970.0	0.85	1.15 (0.82, 1.62)	43,896	1,330	4
2024	15	87	3,304,739	471,958,328	1,292,151.5	0.45	1.16 (0.70, 1.93)	8,668	578	6
<i>18-44 years</i>										
2017	8,059	28,364	45,110,162	12,307,284,209	33,695,507.8	17.87	23.92 (23.40, 24.45)	37,156,091	4,611	4
2018	8,204	28,208	45,316,544	12,457,469,019	34,106,691.4	18.10	24.05 (23.54, 24.58)	31,263,611	3,811	3
2019	8,486	29,426	45,708,282	12,519,506,416	34,276,540.5	18.57	24.76 (24.24, 25.29)	26,953,928	3,176	3
2020	8,108	27,770	46,816,655	13,432,187,930	36,775,326.3	17.32	22.05 (21.57, 22.53)	19,378,874	2,390	3
2021	7,935	26,855	49,953,259	14,882,872,858	40,747,085.2	15.88	19.47 (19.05, 19.91)	11,804,109	1,488	3
2022	3,407	11,433	22,412,575	6,117,039,175	16,747,540.5	15.20	20.34 (19.67, 21.04)	5,941,435	1,744	3
2023	3,027	10,305	21,307,346	5,914,567,082	16,193,202.1	14.21	18.69 (18.04, 19.37)	2,745,324	907	3
2024	1,489	3,341	17,522,152	2,548,291,731	6,976,842.5	8.50	21.34 (20.29, 22.45)	300,427	202	2
<i>45-64 years</i>										
2017	14,099	49,911	29,702,284	8,843,570,487	24,212,376.4	47.47	58.23 (57.28, 59.20)	70,254,884	4,983	4
2018	14,116	48,842	29,316,341	8,790,383,278	24,066,757.8	48.15	58.65 (57.69, 59.63)	59,542,665	4,218	3
2019	14,799	52,081	29,073,228	8,687,353,874	23,784,678.6	50.90	62.22 (61.23, 63.23)	53,330,688	3,604	4
2020	14,078	48,953	28,972,821	8,765,109,571	23,997,562.1	48.59	58.66 (57.70, 59.64)	39,895,909	2,834	3
2021	13,678	47,821	29,175,908	8,954,950,133	24,517,317.3	46.88	55.79 (54.86, 56.73)	27,974,881	2,045	3
2022	9,438	31,086	18,200,159	5,406,860,704	14,803,177.8	51.86	63.76 (62.48, 65.06)	16,051,557	1,701	3
2023	8,636	28,754	17,247,552	5,129,942,244	14,045,016.4	50.07	61.49 (60.20, 62.80)	7,168,666	830	3
2024	3,484	6,920	13,157,408	2,005,810,348	5,491,609.4	26.48	63.44 (61.37, 65.58)	641,510	184	2
<i>≥ 65 years</i>										
2017	14,371	49,634	36,484,359	12,126,536,505	33,200,647.5	39.39	43.29 (42.58, 44.00)	79,654,613	5,543	3
2018	15,108	53,019	36,953,372	12,241,695,457	33,515,935.5	40.88	45.08 (44.36, 45.80)	75,421,578	4,992	4
2019	17,009	61,510	37,584,150	12,416,419,229	33,994,303.2	45.26	50.03 (49.29, 50.79)	73,571,880	4,325	4
2020	16,777	61,550	37,873,174	12,535,805,518	34,321,165.0	44.30	48.88 (48.15, 49.63)	60,048,918	3,579	4

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2021	17,208	63,033	37,552,195	12,347,810,536	33,806,462.8	45.82	50.90 (50.15, 51.67)	47,693,844	2,772	4
2022	17,152	62,341	36,466,568	11,999,578,034	32,853,054.2	47.03	52.21 (51.43, 53.00)	30,993,967	1,807	4
2023	16,792	62,065	36,308,374	11,952,528,551	32,724,239.7	46.25	51.31 (50.54, 52.10)	12,328,813	734	4
2024	2,609	4,950	9,257,778	1,517,580,178	4,154,908.1	28.18	62.79 (60.43, 65.25)	466,307	179	2
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider w</b>										
<i>0-5 years</i>										
2017	13	16	15,078,937	4,058,533,201	11,111,658.3	0.09	0.12 (0.07, 0.20)	24,697	1,900	1
2018	11	22	14,963,946	4,090,172,342	11,198,281.6	0.07	0.10 (0.05, 0.18)	22,966	2,088	2
2019	23	33	15,674,222	4,224,855,440	11,567,023.8	0.15	0.20 (0.13, 0.30)	27,392	1,191	1
2020	13	24	15,599,657	4,431,553,658	12,132,932.7	0.08	0.11 (0.06, 0.18)	19,935	1,533	2
2021	22	40	16,024,149	4,644,287,925	12,715,367.4	0.14	0.17 (0.11, 0.26)	9,549	434	2
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	3,806	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	1,583	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	102	*****	*****
<i>6-11 years</i>										
2017	38	113	15,776,789	4,353,450,071	11,919,096.7	0.24	0.32 (0.23, 0.44)	173,283	4,560	3
2018	33	87	15,786,114	4,402,805,294	12,054,223.9	0.21	0.27 (0.19, 0.39)	99,007	3,000	3
2019	35	126	16,399,128	4,512,261,068	12,353,897.5	0.21	0.28 (0.20, 0.39)	115,497	3,300	4
2020	27	93	16,695,992	4,764,498,795	13,044,486.8	0.16	0.21 (0.14, 0.30)	56,747	2,102	3
2021	38	111	17,050,836	4,999,299,876	13,687,337.1	0.22	0.28 (0.20, 0.38)	24,118	635	3
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	8,394	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	1,592	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	268	*****	*****
<i>12-17 years</i>										
2017	198	570	14,538,402	3,988,115,131	10,918,864.2	1.36	1.81 (1.58, 2.08)	721,763	3,645	3
2018	199	571	14,828,337	4,108,462,185	11,248,356.4	1.34	1.77 (1.54, 2.03)	621,271	3,122	3
2019	192	552	15,690,249	4,319,123,912	11,825,116.8	1.22	1.62 (1.41, 1.87)	488,197	2,543	3
2020	193	572	16,365,074	4,690,652,895	12,842,307.7	1.18	1.50 (1.31, 1.73)	341,828	1,771	3
2021	178	656	17,062,103	5,009,084,363	13,714,125.6	1.04	1.30 (1.12, 1.50)	183,179	1,029	4

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2022	35	133	4,069,039	1,094,424,076	2,996,369.8	0.86	1.17 (0.84, 1.63)	78,753	2,250	4
2023	31	116	3,871,396	1,048,256,560	2,869,970.0	0.80	1.08 (0.76, 1.54)	41,567	1,341	4
2024	15	85	3,304,739	471,958,328	1,292,151.5	0.45	1.16 (0.70, 1.93)	8,450	563	6
<i>18-44 years</i>										
2017	7,394	23,464	45,110,162	12,307,284,209	33,695,507.8	16.39	21.94 (21.45, 22.45)	30,765,950	4,161	3
2018	7,515	23,490	45,316,544	12,457,469,019	34,106,691.4	16.58	22.03 (21.54, 22.54)	26,114,171	3,475	3
2019	7,790	24,620	45,708,282	12,519,506,416	34,276,540.5	17.04	22.73 (22.23, 23.24)	22,893,703	2,939	3
2020	7,436	23,549	46,816,655	13,432,187,930	36,775,326.3	15.88	20.22 (19.77, 20.68)	16,830,446	2,263	3
2021	7,284	22,483	49,953,259	14,882,872,858	40,747,085.2	14.58	17.88 (17.47, 18.29)	10,552,699	1,449	3
2022	3,265	10,606	22,412,575	6,117,039,175	16,747,540.5	14.57	19.50 (18.84, 20.18)	5,545,288	1,698	3
2023	2,888	9,535	21,307,346	5,914,567,082	16,193,202.1	13.55	17.83 (17.20, 18.50)	2,562,339	887	3
2024	1,421	3,148	17,522,152	2,548,291,731	6,976,842.5	8.11	20.37 (19.34, 21.45)	287,568	202	2
<i>45-64 years</i>										
2017	13,161	43,239	29,702,284	8,843,570,487	24,212,376.4	44.31	54.36 (53.44, 55.29)	61,408,071	4,666	3
2018	13,139	41,565	29,316,341	8,790,383,278	24,066,757.8	44.82	54.59 (53.67, 55.54)	51,547,686	3,923	3
2019	13,833	43,759	29,073,228	8,687,353,874	23,784,678.6	47.58	58.16 (57.20, 59.14)	46,128,135	3,335	3
2020	13,149	41,975	28,972,821	8,765,109,571	23,997,562.1	45.38	54.79 (53.86, 55.74)	35,471,739	2,698	3
2021	12,753	40,700	29,175,908	8,954,950,133	24,517,317.3	43.71	52.02 (51.12, 52.93)	25,423,357	1,994	3
2022	9,015	29,022	18,200,159	5,406,860,704	14,803,177.8	49.53	60.90 (59.65, 62.17)	14,982,536	1,662	3
2023	8,250	26,736	17,247,552	5,129,942,244	14,045,016.4	47.83	58.74 (57.49, 60.02)	6,680,187	810	3
2024	3,317	6,501	13,157,408	2,005,810,348	5,491,609.4	25.21	60.40 (58.38, 62.49)	606,246	183	2
<i>≥ 65 years</i>										
2017	13,573	45,185	36,484,359	12,126,536,505	33,200,647.5	37.20	40.88 (40.20, 41.58)	72,126,405	5,314	3
2018	14,210	48,518	36,953,372	12,241,695,457	33,515,935.5	38.45	42.40 (41.71, 43.10)	68,542,452	4,824	3
2019	16,090	56,550	37,584,150	12,416,419,229	33,994,303.2	42.81	47.33 (46.61, 48.07)	67,358,164	4,186	4
2020	15,928	56,952	37,873,174	12,535,805,518	34,321,165.0	42.06	46.41 (45.69, 47.14)	55,262,419	3,470	4
2021	16,357	58,231	37,552,195	12,347,810,536	33,806,462.8	43.56	48.38 (47.65, 49.13)	43,913,725	2,685	4
2022	16,183	57,503	36,466,568	11,999,578,034	32,853,054.2	44.38	49.26 (48.51, 50.02)	28,486,138	1,760	4
2023	15,744	57,237	36,308,374	11,952,528,551	32,724,239.7	43.36	48.11 (47.37, 48.87)	11,331,299	720	4

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2024	2,400	4,563	9,257,778	1,517,580,178	4,154,908.1	25.92	57.76 (55.50, 60.12)	432,997	180	2
<b>Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a Dermatologist</b>										
<i>0-5 years</i>										
2017	*****	*****	15,078,937	4,058,533,201	11,111,658.3	*****	*****	3,266	*****	*****
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	3,413	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	9,466	*****	*****
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	3,039	*****	*****
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	1,034	*****	*****
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	1,080	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	386	*****	*****
2024	*****	*****	2,497,108	346,578,678	948,880.7	*****	*****	15	*****	*****
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	117,594	*****	*****
2018	*****	*****	15,786,114	4,402,805,294	12,054,223.9	*****	*****	62,396	*****	*****
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	48,018	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	29,790	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	9,635	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	632	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	423	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	27	*****	*****
<i>12-17 years</i>										
2017	*****	*****	14,538,402	3,988,115,131	10,918,864.2	*****	*****	320,767	*****	*****
2018	*****	*****	14,828,337	4,108,462,185	11,248,356.4	*****	*****	324,461	*****	*****
2019	*****	*****	15,690,249	4,319,123,912	11,825,116.8	*****	*****	237,468	*****	*****
2020	*****	*****	16,365,074	4,690,652,895	12,842,307.7	*****	*****	158,365	*****	*****
2021	*****	*****	17,062,103	5,009,084,363	13,714,125.6	*****	*****	87,332	*****	*****
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	29,218	*****	*****
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	13,756	*****	*****
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	4,013	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>18-44 years</i>										
2017	3,259	7,717	45,110,162	12,307,284,209	33,695,507.8	7.22	9.67 (9.35, 10.01)	10,171,805	3,121	2
2018	3,159	7,699	45,316,544	12,457,469,019	34,106,691.4	6.97	9.26 (8.94, 9.59)	8,701,207	2,754	2
2019	3,141	7,533	45,708,282	12,519,506,416	34,276,540.5	6.87	9.16 (8.85, 9.49)	7,118,262	2,266	2
2020	3,099	7,707	46,816,655	13,432,187,930	36,775,326.3	6.62	8.43 (8.14, 8.73)	5,525,238	1,783	2
2021	2,971	7,331	49,953,259	14,882,872,858	40,747,085.2	5.95	7.29 (7.03, 7.56)	3,302,676	1,112	2
2022	1,287	3,027	22,412,575	6,117,039,175	16,747,540.5	5.74	7.68 (7.28, 8.12)	1,589,711	1,235	2
2023	1,143	2,757	21,307,346	5,914,567,082	16,193,202.1	5.36	7.06 (6.66, 7.48)	797,410	698	2
2024	612	1,096	17,522,152	2,548,291,731	6,976,842.5	3.49	8.77 (8.10, 9.50)	101,274	165	2
<i>45-64 years</i>										
2017	4,862	11,037	29,702,284	8,843,570,487	24,212,376.4	16.37	20.08 (19.52, 20.65)	15,906,572	3,272	2
2018	4,636	10,760	29,316,341	8,790,383,278	24,066,757.8	15.81	19.26 (18.72, 19.83)	13,830,284	2,983	2
2019	4,676	10,986	29,073,228	8,687,353,874	23,784,678.6	16.08	19.66 (19.10, 20.23)	11,873,951	2,539	2
2020	4,552	10,789	28,972,821	8,765,109,571	23,997,562.1	15.71	18.97 (18.43, 19.53)	9,354,756	2,055	2
2021	4,263	10,375	29,175,908	8,954,950,133	24,517,317.3	14.61	17.39 (16.87, 17.92)	6,391,383	1,499	2
2022	2,774	6,829	18,200,159	5,406,860,704	14,803,177.8	15.24	18.74 (18.05, 19.45)	3,734,165	1,346	2
2023	2,614	6,681	17,247,552	5,129,942,244	14,045,016.4	15.16	18.61 (17.91, 19.34)	1,784,258	683	3
2024	1,132	1,875	13,157,408	2,005,810,348	5,491,609.4	8.60	20.61 (19.45, 21.85)	173,567	153	2
<i>≥ 65 years</i>										
2017	4,604	11,082	36,484,359	12,126,536,505 12,241,695	33,200,647.5	12.62	13.87 (13.47, 14.27)	19,991,759	4,342	2
2018	4,571	11,254	36,953,372	,457	33,515,935.5	12.37	13.64 (13.25, 14.04)	17,932,012	3,923	2
2019	4,983	12,540	37,584,150	12,416,419,229	33,994,303.2	13.26	14.66 (14.26, 15.07)	17,036,401	3,419	3
2020	4,837	12,261	37,873,174	12,535,805,518	34,321,165.0	12.77	14.09 (13.70, 14.50)	13,343,248	2,759	3
2021	4,835	12,176	37,552,195	12,347,810,536	33,806,462.8	12.88	14.30 (13.90, 14.71)	10,059,437	2,081	3
2022	4,536	11,510	36,466,568	11,999,578,034	32,853,054.2	12.44	13.81 (13.41, 14.21)	6,199,728	1,367	3
2023	4,339	11,239	36,308,374	11,952,528,551	32,724,239.7	11.95	13.26 (12.87, 13.66)	2,353,331	542	3
2024	685	1,062	9,257,778	1,517,580,178	4,154,908.1	7.40	16.49 (15.30, 17.77)	99,718	146	2

**Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus**

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>0-5 years</i>										
2017	*****	*****	15,078,937	4,058,533,201	11,111,658.3	*****	*****	31,540	*****	*****
2018	11	25	14,963,946	4,090,172,342	11,198,281.6	0.07	0.10 (0.05, 0.18)	38,779	3,525	2
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	28,686	*****	*****
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	12,418	*****	*****
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	14,277	*****	*****
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	3,209	*****	*****
2023	0	0	2,952,274	766,188,436	2,097,709.6	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	285,742	*****	*****
2018	95	218	15,786,114	4,402,805,294	12,054,223.9	0.60	0.79 (0.64, 0.96)	276,381	2,909	2
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	194,017	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	62,731	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	3,771	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	9,910	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	875	*****	*****
2024	0	0	2,948,554	417,235,851	1,142,329.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>12-17 years</i>										
2017	412	829	14,538,402	3,988,115,131	10,918,864.2	2.83	3.77 (3.43, 4.16)	1,224,856	2,973	2
2018	550	1,212	14,828,337	4,108,462,185	11,248,356.4	3.71	4.89 (4.50, 5.32)	1,520,232	2,764	2
2019	418	1,109	15,690,249	4,319,123,912	11,825,116.8	2.66	3.53 (3.21, 3.89)	1,081,270	2,587	3
2020	250	586	16,365,074	4,690,652,895	12,842,307.7	1.53	1.95 (1.72, 2.20)	430,323	1,721	2
2021	*****	*****	17,062,103	5,009,084,363	13,714,125.6	*****	*****	114,087	*****	*****
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	71,186	*****	*****
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	16,192	*****	*****
2024	0	0	3,304,739	471,958,328	1,292,151.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>18-44 years</i>										
2017	10,806	30,926	45,110,162	12,307,284,209	33,695,507.8	23.95	32.07 (31.47, 32.68)	46,557,286	4,308	3

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2018	14,380	41,620	45,316,544	*****	34,106,691.4	31.73	42.16 (41.48, 42.86)	54,390,719	3,782	3
2019	10,759	28,995	45,708,282	12,519,506,416	34,276,540.5	23.54	31.39 (30.80, 31.99)	33,061,551	3,073	3
2020	6,435	17,646	46,816,655	13,432,187,930	36,775,326.3	13.75	17.50 (17.08, 17.93)	16,544,821	2,571	3
2021	3,612	9,913	49,953,259	14,882,872,858	40,747,085.2	7.23	8.86 (8.58, 9.16)	8,781,552	2,431	3
2022	2,803	6,879	22,412,575	6,117,039,175	16,747,540.5	12.51	16.74 (16.13, 17.37)	4,398,255	1,569	2
2023	697	1,200	21,307,346	5,914,567,082	16,193,202.1	3.27	4.30 (4.00, 4.64)	564,568	810	2
2024	0	0	17,522,152	2,548,291,731	6,976,842.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>45-64 years</i>										
2017	16,843	48,829	29,702,284	8,843,570,487	24,212,376.4	56.71	69.56 (68.52, 70.62)	80,587,762	4,785	3
2018	21,180	60,641	29,316,341	8,790,383,278	24,066,757.8	72.25	88.01 (86.83, 89.20)	88,768,622	4,191	3
2019	16,676	47,556	29,073,228	8,687,353,874	23,784,678.6	57.36	70.11 (69.06, 71.18)	60,193,808	3,610	3
2020	11,615	32,930	28,972,821	8,765,109,571	23,997,562.1	40.09	48.40 (47.53, 49.29)	35,398,349	3,048	3
2021	8,947	24,632	29,175,908	8,954,950,133	24,517,317.3	30.67	36.49 (35.74, 37.26)	22,489,016	2,514	3
2022	6,573	17,393	18,200,159	5,406,860,704	14,803,177.8	36.12	44.40 (43.34, 45.49)	11,184,724	1,702	3
2023	1,439	2,682	17,247,552	5,129,942,244	14,045,016.4	8.34	10.25 (9.73, 10.79)	1,273,926	885	2
2024	0	0	13,157,408	2,005,810,348	5,491,609.4	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>≥ 65 years</i>										
2017	17,033	41,103	36,484,359	12,126,536,505	33,200,647.5	46.69	51.30 (50.54, 52.08)	79,046,337	4,641	2
2018	21,304	54,778	36,953,372	12,241,695,457	33,515,935.5	57.65	63.56 (62.72, 64.42)	91,668,853	4,303	3
2019	18,462	47,634	37,584,150	12,416,419,229	33,994,303.2	49.12	54.31 (53.53, 55.10)	68,797,037	3,726	3
2020	14,282	36,940	37,873,174	12,535,805,518	34,321,165.0	37.71	41.61 (40.94, 42.30)	43,685,531	3,059	3
2021	13,165	34,598	37,552,195	12,347,810,536	33,806,462.8	35.06	38.94 (38.28, 39.61)	31,150,903	2,366	3
2022	9,622	22,551	36,466,568	11,999,578,034	32,853,054.2	26.39	29.29 (28.71, 29.88)	13,791,034	1,433	2
2023	904	1,811	36,308,374	11,952,528,551	32,724,239.7	2.49	2.76 (2.59, 2.95)	854,307	945	2
2024	0	0	9,257,778	1,517,580,178	4,154,908.1	0.00	0.00 (0.00, 0.00)	0	NaN	NaN

**Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider**

<i>0-5 years</i>										
2017	*****	*****	15,078,937	4,058,533,201	11,111,658.3	*****	*****	28,310	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	32,573	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	23,412	*****	*****
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	10,887	*****	*****
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	4,427	*****	*****
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	2,383	*****	*****
2023	0	0	2,952,274	766,188,436	2,097,709.6	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	274,110	*****	*****
2018	*****	*****	15,786,114	4,402,805,294	12,054,223.9	*****	*****	257,036	*****	*****
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	161,840	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	45,252	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	2,493	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	4,295	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	462	*****	*****
2024	0	0	2,948,554	417,235,851	1,142,329.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>12-17 years</i>										
2017	388	742	14,538,402	3,988,115,131	10,918,864.2	2.67	3.55 (3.22, 3.93)	1,063,047	2,740	2
2018	518	1,109	14,828,337	4,108,462,185	11,248,356.4	3.49	4.61 (4.23, 5.02)	1,358,685	2,623	2
2019	390	973	15,690,249	4,319,123,912	11,825,116.8	2.49	3.30 (2.99, 3.64)	932,342	2,391	2
2020	229	505	16,365,074	4,690,652,895	12,842,307.7	1.40	1.78 (1.57, 2.03)	344,672	1,505	2
2021	34	76	17,062,103	5,009,084,363	13,714,125.6	0.20	0.25 (0.18, 0.35)	70,009	2,059	2
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	53,540	*****	*****
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	12,663	*****	*****
2024	0	0	3,304,739	471,958,328	1,292,151.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>18-44 years</i>										
2017	10,053	26,085	45,110,162	12,307,284,209	33,695,507.8	22.29	29.83 (29.26, 30.42)	39,616,001	3,941	3
2018	13,474	36,374	45,316,544	12,457,469,019	34,106,691.4	29.73	39.51 (38.84, 40.18)	47,598,284	3,533	3
2019	10,112	25,388	45,708,282	12,519,506,416	34,276,540.5	22.12	29.50 (28.93, 30.08)	28,945,196	2,862	3

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2020	5,981	14,859	46,816,655	13,432,187,930	*****	12.78	16.26 (15.86, 16.68)	14,054,197	2,350	2
2021	3,256	8,602	49,953,259	14,882,872,858	40,747,085.2	6.52	7.99 (7.72, 8.27)	7,514,028	2,308	3
2022	2,537	5,922	22,412,575	6,117,039,175	16,747,540.5	11.32	15.15 (14.57, 15.75)	3,734,869	1,472	2
2023	577	892	21,307,346	5,914,567,082	16,193,202.1	2.71	3.56 (3.28, 3.87)	418,159	725	2
2024	0	0	17,522,152	2,548,291,731	6,976,842.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>45-64 years</i>										
2017	15,817	41,810	29,702,284	8,843,570,487	24,212,376.4	53.25	65.33 (64.32, 66.35)	69,699,002	4,407	3
2018	19,986	52,729	29,316,341	8,790,383,278	24,066,757.8	68.17	83.04 (81.90, 84.20)	78,111,095	3,908	3
2019	15,548	40,583	29,073,228	8,687,353,874	23,784,678.6	53.48	65.37 (64.35, 66.41)	51,925,540	3,340	3
2020	10,753	27,584	28,972,821	8,765,109,571	23,997,562.1	37.11	44.81 (43.97, 45.66)	30,027,876	2,793	3
2021	8,178	20,905	29,175,908	8,954,950,133	24,517,317.3	28.03	33.36 (32.64, 34.09)	18,888,625	2,310	3
2022	6,068	14,385	18,200,159	5,406,860,704	14,803,177.8	33.34	40.99 (39.97, 42.04)	9,109,109	1,501	2
2023	1,196	1,829	17,247,552	5,129,942,244	14,045,016.4	6.93	8.52 (8.05, 9.01)	867,619	725	2
2024	0	0	13,157,408	2,005,810,348	5,491,609.4	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>≥ 65 years</i>										
2017	16,670	39,224	36,484,359	12,126,536,505	33,200,647.5	45.69	50.21 (49.45, 50.98)	75,680,264	4,540	2
2018	20,855	52,475	36,953,372	12,241,695,457	33,515,935.5	56.44	62.22 (61.39, 63.07)	88,114,193	4,225	3
2019	17,991	45,078	37,584,150	12,416,419,229	33,994,303.2	47.87	52.92 (52.16, 53.70)	65,306,501	3,630	3
2020	13,894	34,708	37,873,174	12,535,805,518	34,321,165.0	36.69	40.48 (39.81, 41.16)	41,084,987	2,957	2
2021	12,732	32,035	37,552,195	12,347,810,536	33,806,462.8	33.90	37.66 (37.01, 38.32)	28,650,998	2,250	3
2022	9,237	20,654	36,466,568	11,999,578,034	32,853,054.2	25.33	28.12 (27.55, 28.70)	12,477,350	1,351	2
2023	758	1,131	36,308,374	11,952,528,551	32,724,239.7	2.09	2.32 (2.16, 2.49)	538,100	710	1
2024	0	0	9,257,778	1,517,580,178	4,154,908.1	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<b>Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
<i>0-5 years</i>										
2017	*****	*****	15,078,937	4,058,533,201	11,111,658.3	*****	*****	26,762	*****	*****
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	31,116	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	20,633	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	10,224	*****	*****
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	4,427	*****	*****
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	2,383	*****	*****
2023	0	0	2,952,274	766,188,436	2,097,709.6	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	240,289	*****	*****
2018	*****	*****	15,786,114	4,402,805,294	12,054,223.9	*****	*****	224,116	*****	*****
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	141,319	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	39,885	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	2,493	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	4,295	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	462	*****	*****
2024	0	0	2,948,554	417,235,851	1,142,329.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>12-17 years</i>										
2017	345	624	14,538,402	3,988,115,131	10,918,864.2	2.37	3.16 (2.84, 3.51)	891,999	2,586	2
2018	457	914	14,828,337	4,108,462,185	11,248,356.4	3.08	4.06 (3.71, 4.45)	1,123,790	2,459	2
2019	343	823	15,690,249	4,319,123,912	11,825,116.8	2.19	2.90 (2.61, 3.22)	801,963	2,338	2
2020	206	405	16,365,074	4,690,652,895	12,842,307.7	1.26	1.60 (1.40, 1.84)	284,816	1,383	2
2021	*****	*****	17,062,103	5,009,084,363	13,714,125.6	*****	*****	68,061	*****	*****
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	52,367	*****	*****
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	12,663	*****	*****
2024	0	0	3,304,739	471,958,328	1,292,151.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>18-44 years</i>										
2017	9,120	20,928	45,110,162	12,307,284,209	33,695,507.8	20.22	27.07 (26.52, 27.63)	32,340,929	3,546	2
2018	12,406	30,895	45,316,544	*****	34,106,691.4	27.38	36.37 (35.74, 37.02)	41,187,999	3,320	2
2019	9,260	22,182	45,708,282	12,519,506,416	34,276,540.5	20.26	27.02 (26.47, 27.57)	25,808,165	2,787	2
2020	5,514	13,017	46,816,655	13,432,187,930	36,775,326.3	11.78	14.99 (14.60, 15.39)	12,648,990	2,294	2
2021	3,088	8,066	49,953,259	14,882,872,858	40,747,085.2	6.18	7.58 (7.32, 7.85)	7,027,171	2,276	3

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2022	2,411	5,517	22,412,575	6,117,039,175	16,747,540.5	10.76	14.40 (13.83, 14.98)	3,481,279	1,444	2
2023	551	844	21,307,346	5,914,567,082	16,193,202.1	2.59	3.40 (3.13, 3.70)	396,791	720	2
2024	0	0	17,522,152	2,548,291,731	6,976,842.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>45-64 years</i>										
2017	14,660	34,326	29,702,284	8,843,570,487	24,212,376.4	49.36	60.55 (59.58, 61.54)	58,498,580	3,990	2
2018	18,766	45,819	29,316,341	8,790,383,278	24,066,757.8	64.01	77.97 (76.87, 79.10)	69,013,131	3,678	2
2019	14,573	35,516	29,073,228	8,687,353,874	23,784,678.6	50.13	61.27 (60.28, 62.27)	46,491,546	3,190	2
2020	10,123	24,913	28,972,821	8,765,109,571	23,997,562.1	34.94	42.18 (41.37, 43.01)	27,646,594	2,731	2
2021	7,812	19,757	29,175,908	8,954,950,133	24,517,317.3	26.78	31.86 (31.16, 32.58)	17,848,939	2,285	3
2022	5,809	13,493	18,200,159	5,406,860,704	14,803,177.8	31.92	39.24 (38.25, 40.26)	8,563,252	1,474	2
2023	1,154	1,773	17,247,552	5,129,942,244	14,045,016.4	6.69	8.22 (7.76, 8.70)	842,403	730	2
2024	0	0	13,157,408	2,005,810,348	5,491,609.4	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>≥ 65 years</i>										
2017	15,675	35,816	36,484,359	12,126,536,505	33,200,647.5	42.96	47.21 (46.48, 47.96)	69,086,930	4,407	2
2018	19,817	48,589	36,953,372	12,241,695,457	33,515,935.5	53.63	59.13 (58.31, 59.96)	81,432,422	4,109	2
2019	17,093	41,530	37,584,150	12,416,419,229	33,994,303.2	45.48	50.28 (49.53, 51.04)	60,186,364	3,521	2
2020	13,198	32,016	37,873,174	12,535,805,518	34,321,165.0	34.85	38.45 (37.80, 39.12)	37,896,839	2,871	2
2021	12,146	29,743	37,552,195	12,347,810,536	33,806,462.8	32.34	35.93 (35.29, 36.57)	26,594,315	2,190	2
2022	8,774	19,164	36,466,568	11,999,578,034	32,853,054.2	24.06	26.71 (26.15, 27.27)	11,601,726	1,322	2
2023	742	1,108	36,308,374	11,952,528,551	32,724,239.7	2.04	2.27 (2.11, 2.44)	527,319	711	1
2024	0	0	9,257,778	1,517,580,178	4,154,908.1	0.00	0.00 (0.00, 0.00)	0	NaN	NaN

**Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist**

<i>0-5 years</i>										
2017	*****	*****	15,078,937	4,058,533,201	11,111,658.3	*****	*****	11,608	*****	*****
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	18,141	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	4,512	*****	*****
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	3,377	*****	*****
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	2,394	*****	*****
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	1,621	*****	*****

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2023	0	0	2,952,274	766,188,436	2,097,709.6	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	110,132	*****	*****
2018	*****	*****	15,786,114	4,402,805,294	12,054,223.9	*****	*****	91,407	*****	*****
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	48,810	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	11,443	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	1,151	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	3,251	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	462	*****	*****
2024	0	0	2,948,554	417,235,851	1,142,329.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>12-17 years</i>										
2017	135	237	14,538,402	3,988,115,131	10,918,864.2	0.93	1.24 (1.04, 1.46)	341,463	2,529	2
2018	169	314	14,828,337	4,108,462,185	11,248,356.4	1.14	1.50 (1.29, 1.75)	392,640	2,323	2
2019	129	280	15,690,249	4,319,123,912	11,825,116.8	0.82	1.09 (0.92, 1.30)	278,124	2,156	2
2020	87	161	16,365,074	4,690,652,895	12,842,307.7	0.53	0.68 (0.55, 0.84)	117,927	1,355	2
2021	*****	*****	17,062,103	5,009,084,363	13,714,125.6	*****	*****	22,250	*****	*****
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	21,531	*****	*****
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	6,909	*****	*****
2024	0	0	3,304,739	471,958,328	1,292,151.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>18-44 years</i>										
2017	2,663	5,224	45,110,162	12,307,284,209	33,695,507.8	5.90	7.90 (7.61, 8.21)	7,954,095	2,987	2
2018	3,441	7,065	45,316,544	12,457,469,019	34,106,691.4	7.59	10.09 (9.76, 10.43)	9,330,693	2,712	2
2019	2,804	5,798	45,708,282	12,519,506,416	34,276,540.5	6.13	8.18 (7.88, 8.49)	6,581,946	2,347	2
2020	1,744	3,555	46,816,655	13,432,187,930	36,775,326.3	3.73	4.74 (4.52, 4.97)	3,420,429	1,961	2
2021	896	1,952	49,953,259	14,882,872,858	*****	1.79	2.20 (2.06, 2.35)	1,804,703	2,014	2
2022	674	1,386	22,412,575	6,117,039,175	16,747,540.5	3.01	4.02 (3.73, 4.34)	907,044	1,346	2
2023	180	266	21,307,346	5,914,567,082	16,193,202.1	0.84	1.11 (0.96, 1.29)	125,004	694	1
2024	0	0	17,522,152	2,548,291,731	6,976,842.5	0.00	0.00 (0.00, 0.00)	0	NaN	NaN

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>45-64 years</i>										
2017	4,094	8,251	29,702,284	8,843,570,487	24,212,376.4	13.78	16.91 (16.40, 17.43)	14,153,437	3,457	2
2018	4,594	9,329	29,316,341	8,790,383,278	24,066,757.8	15.67	19.09 (18.54, 19.65)	14,082,242	3,065	2
2019	3,896	7,936	29,073,228	8,687,353,874	23,784,678.6	13.40	16.38 (15.87, 16.90)	10,338,487	2,654	2
2020	2,801	5,724	28,972,821	8,765,109,571	23,997,562.1	9.67	11.67 (11.25, 12.11)	6,296,188	2,248	2
2021	2,069	4,183	29,175,908	8,954,950,133	24,517,317.3	7.09	8.44 (8.08, 8.81)	3,867,557	1,869	2
2022	1,489	2,867	18,200,159	5,406,860,704	14,803,177.8	8.18	10.06 (9.56, 10.58)	1,870,933	1,257	2
2023	325	451	17,247,552	5,129,942,244	14,045,016.4	1.88	2.31 (2.08, 2.58)	214,732	661	1
2024	0	0	13,157,408	2,005,810,348	5,491,609.4	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>≥ 65 years</i>										
2017	4,460	9,038	36,484,359	12,126,536,505	33,200,647.5	12.22	13.43 (13.04, 13.83)	18,238,444	4,089	2
2018	5,010	10,441	36,953,372	12,241,695,457	33,515,935.5	13.56	14.95 (14.54, 15.37)	18,495,191	3,692	2
2019	4,616	9,822	37,584,150	12,416,419,229	33,994,303.2	12.28	13.58 (13.19, 13.98)	14,694,436	3,183	2
2020	3,611	7,622	37,873,174	12,535,805,518	34,321,165.0	9.53	10.52 (10.18, 10.87)	9,302,625	2,576	2
2021	3,252	6,947	37,552,195	12,347,810,536	33,806,462.8	8.66	9.62 (9.29, 9.96)	6,336,650	1,949	2
2022	2,322	4,392	36,466,568	11,999,578,034	32,853,054.2	6.37	7.07 (6.79, 7.36)	2,718,636	1,171	2
2023	233	318	36,308,374	11,952,528,551	32,724,239.7	0.64	0.71 (0.63, 0.81)	152,537	655	1
2024	0	0	9,257,778	1,517,580,178	4,154,908.1	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<b>Patients with Mixed Cutaneous Lupus Erythematosus</b>										
<i>0-5 years</i>										
2017	25	79	15,078,937	4,058,533,201	11,111,658.3	0.17	0.22 (0.15, 0.33)	128,681	5,147	3
2018	20	87	14,963,946	4,090,172,342	11,198,281.6	0.13	0.18 (0.12, 0.28)	103,156	5,158	4
2019	20	71	15,674,222	4,224,855,440	11,567,023.8	0.13	0.17 (0.11, 0.27)	86,870	4,344	4
2020	19	60	15,599,657	4,431,553,658	12,132,932.7	0.12	0.16 (0.10, 0.25)	59,305	3,121	3
2021	13	49	16,024,149	4,644,287,925	12,715,367.4	0.08	0.10 (0.06, 0.18)	36,861	2,835	4
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	16,100	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	6,325	*****	*****
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN

*6-11 years*

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2017	78	269	15,776,789	4,353,450,071	11,919,096.7	0.49	0.65 (0.52, 0.82)	387,437	4,967	3
2018	75	255	15,786,114	4,402,805,294	12,054,223.9	0.48	0.62 (0.50, 0.78)	293,309	3,911	3
2019	65	218	16,399,128	4,512,261,068	12,353,897.5	0.40	0.53 (0.41, 0.67)	225,122	3,463	3
2020	49	138	16,695,992	4,764,498,795	13,044,486.8	0.29	0.38 (0.28, 0.50)	91,771	1,873	3
2021	36	112	17,050,836	4,999,299,876	13,687,337.1	0.21	0.26 (0.19, 0.36)	41,414	1,150	3
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	35,302	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	8,921	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	785	*****	*****
<i>12-17 years</i>										
2017	228	595	14,538,402	3,988,115,131	10,918,864.2	1.57	2.09 (1.83, 2.38)	851,844	3,736	3
2018	226	671	14,828,337	4,108,462,185	11,248,356.4	1.52	2.01 (1.76, 2.29)	858,459	3,798	3
2019	193	557	15,690,249	4,319,123,912	11,825,116.8	1.23	1.63 (1.42, 1.88)	546,466	2,831	3
2020	140	424	16,365,074	4,690,652,895	12,842,307.7	0.86	1.09 (0.92, 1.29)	280,294	2,002	3
2021	112	309	17,062,103	5,009,084,363	13,714,125.6	0.66	0.82 (0.68, 0.98)	129,981	1,161	3
2022	39	130	4,069,039	1,094,424,076	2,996,369.8	0.96	1.30 (0.95, 1.78)	82,031	2,103	3
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	45,936	*****	*****
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	3,750	*****	*****
<i>18-44 years</i>										
2017	4,802	17,866	45,110,162	12,307,284,209	33,695,507.8	10.65	14.25 (13.85, 14.66)	26,608,825	5,541	4
2018	4,876	18,030	45,316,544	12,457,469,019	34,106,691.4	10.76	14.30 (13.90, 14.70)	23,348,872	4,789	4
2019	3,783	12,665	45,708,282	12,519,506,416	34,276,540.5	8.28	11.04 (10.69, 11.39)	13,739,998	3,632	3
2020	2,851	9,440	46,816,655	13,432,187,930	36,775,326.3	6.09	7.75 (7.47, 8.04)	8,123,397	2,849	3
2021	2,229	6,996	49,953,259	14,882,872,858	40,747,085.2	4.46	5.47 (5.25, 5.70)	4,543,988	2,039	3
2022	1,236	3,927	22,412,575	6,117,039,175	16,747,540.5	5.51	7.38 (6.98, 7.80)	2,282,205	1,846	3
2023	894	2,767	21,307,346	5,914,567,082	16,193,202.1	4.20	5.52 (5.17, 5.89)	863,565	966	3
2024	262	535	17,522,152	2,548,291,731	6,976,842.5	1.50	3.76 (3.33, 4.24)	58,060	222	2
<i>45-64 years</i>										
2017	8,243	30,989	29,702,284	8,843,570,487	24,212,376.4	27.75	34.04 (33.32, 34.79)	48,377,157	5,869	4

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2018	7,943	29,247	29,316,341	8,790,383,278	24,066,757.8	27.09	33.00 (32.29, 33.74)	40,744,215	5,130	4
2019	6,457	22,452	29,073,228	8,687,353,874	23,784,678.6	22.21	27.15 (26.49, 27.82)	26,764,357	4,145	3
2020	5,081	17,527	28,972,821	8,765,109,571	23,997,562.1	17.54	21.17 (20.60, 21.76)	16,868,741	3,320	3
2021	4,284	14,089	29,175,908	8,954,950,133	24,517,317.3	14.68	17.47 (16.96, 18.00)	10,625,740	2,480	3
2022	2,956	9,700	18,200,159	5,406,860,704	14,803,177.8	16.24	19.97 (19.26, 20.70)	5,755,393	1,947	3
2023	2,125	6,854	17,247,552	5,129,942,244	14,045,016.4	12.32	15.13 (14.50, 15.79)	2,130,748	1,003	3
2024	579	1,226	13,157,408	2,005,810,348	5,491,609.4	4.40	10.54 (9.72, 11.44)	139,675	241	2
<i>≥ 65 years</i>										
2017	11,233	37,136	36,484,359	12,126,536,505	33,200,647.5	30.79	33.83 (33.21, 34.47)	69,261,157	6,166	3
2018	11,252	38,767	36,953,372	12,241,695,457	33,515,935.5	30.45	33.57 (32.96, 34.20)	62,865,937	5,587	3
2019	10,384	35,655	37,584,150	12,416,419,229	33,994,303.2	27.63	30.55 (29.96, 31.14)	49,860,048	4,802	3
2020	8,927	31,341	37,873,174	12,535,805,518	34,321,165.0	23.57	26.01 (25.48, 26.56)	35,178,905	3,941	4
2021	8,465	30,072	37,552,195	12,347,810,536	33,806,462.8	22.54	25.04 (24.51, 25.58)	25,608,894	3,025	4
2022	7,152	25,268	36,466,568	11,999,578,034	32,853,054.2	19.61	21.77 (21.27, 22.28)	13,977,593	1,954	4
2023	4,966	16,286	36,308,374	11,952,528,551	32,724,239.7	13.68	15.18 (14.76, 15.60)	4,103,705	826	3
2024	533	1,201	9,257,778	1,517,580,178	4,154,908.1	5.76	12.83 (11.78, 13.96)	137,949	259	2
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider</b>										
<i>0-5 years</i>										
2017	24	73	15,078,937	4,058,533,201	11,111,658.3	0.16	0.22 (0.14, 0.32)	116,550	4,856	3
2018	18	82	14,963,946	4,090,172,342	11,198,281.6	0.12	0.16 (0.10, 0.26)	96,864	5,381	5
2019	18	45	15,674,222	4,224,855,440	11,567,023.8	0.11	0.16 (0.10, 0.25)	41,642	2,313	3
2020	17	37	15,599,657	4,431,553,658	12,132,932.7	0.11	0.14 (0.09, 0.23)	28,150	1,656	2
2021	11	27	16,024,149	4,644,287,925	12,715,367.4	0.07	0.09 (0.05, 0.16)	12,031	1,094	2
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	15,226	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	6,325	*****	*****
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	76	263	15,776,789	4,353,450,071	11,919,096.7	0.48	0.64 (0.51, 0.80)	379,339	4,991	3
2018	73	242	15,786,114	4,402,805,294	12,054,223.9	0.46	0.61 (0.48, 0.76)	277,990	3,808	3

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2019	63	207	16,399,128	4,512,261,068	12,353,897.5	0.38	0.51 (0.40, 0.65)	211,053	3,350	3
2020	49	126	16,695,992	4,764,498,795	13,044,486.8	0.29	0.38 (0.28, 0.50)	81,381	1,661	3
2021	34	108	17,050,836	4,999,299,876	13,687,337.1	0.20	0.25 (0.18, 0.35)	37,419	1,101	3
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	23,764	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	8,509	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	785	*****	*****
<i>12-17 years</i>										
2017	214	550	14,538,402	3,988,115,131	10,918,864.2	1.47	1.96 (1.71, 2.24)	781,692	3,653	3
2018	208	609	14,828,337	4,108,462,185	11,248,356.4	1.40	1.85 (1.61, 2.12)	771,009	3,707	3
2019	186	520	15,690,249	4,319,123,912	11,825,116.8	1.19	1.57 (1.36, 1.82)	498,403	2,680	3
2020	134	395	16,365,074	4,690,652,895	12,842,307.7	0.82	1.04 (0.88, 1.24)	255,564	1,907	3
2021	107	285	17,062,103	5,009,084,363	13,714,125.6	0.63	0.78 (0.65, 0.94)	111,254	1,040	3
2022	35	95	4,069,039	1,094,424,076	2,996,369.8	0.86	1.17 (0.84, 1.63)	60,937	1,741	3
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	35,433	*****	*****
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	2,715	*****	*****
<i>18-44 years</i>										
2017	4,468	15,385	45,110,162	12,307,284,209	33,695,507.8	9.90	13.26 (12.88, 13.65)	22,950,227	5,137	3
2018	4,600	15,891	45,316,544	12,457,469,019	34,106,691.4	10.15	13.49 (13.10, 13.88)	20,571,807	4,472	3
2019	3,551	11,507	45,708,282	12,519,506,416	34,276,540.5	7.77	10.36 (10.02, 10.71)	12,407,662	3,494	3
2020	2,661	8,204	46,816,655	13,432,187,930	36,775,326.3	5.68	7.24 (6.97, 7.52)	7,002,543	2,632	3
2021	2,104	6,247	49,953,259	14,882,872,858	40,747,085.2	4.21	5.16 (4.95, 5.39)	3,942,563	1,874	3
2022	1,143	3,321	22,412,575	6,117,039,175	16,747,540.5	5.10	6.82 (6.44, 7.23)	1,904,058	1,666	3
2023	833	2,343	21,307,346	5,914,567,082	16,193,202.1	3.91	5.14 (4.81, 5.51)	716,326	860	3
2024	226	411	17,522,152	2,548,291,731	6,976,842.5	1.29	3.24 (2.84, 3.69)	44,763	198	2
<i>45-64 years</i>										
2017	7,809	25,585	29,702,284	8,843,570,487	24,212,376.4	26.29	32.25 (31.54, 32.98)	40,180,871	5,145	3
2018	7,530	24,768	29,316,341	8,790,383,278	24,066,757.8	25.69	31.29 (30.59, 32.00)	34,728,459	4,612	3
2019	6,092	19,004	29,073,228	8,687,353,874	23,784,678.6	20.95	25.61 (24.98, 26.26)	22,902,547	3,759	3

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2020	4,778	14,305	28,972,821	8,765,109,571	23,997,562.1	16.49	19.91 (19.35, 20.48)	14,084,084	2,948	3
2021	4,019	11,856	29,175,908	8,954,950,133	24,517,317.3	13.78	16.39 (15.89, 16.91)	8,976,053	2,233	3
2022	2,780	8,384	18,200,159	5,406,860,704	14,803,177.8	15.27	18.78 (18.09, 19.49)	4,904,740	1,764	3
2023	1,996	5,844	17,247,552	5,129,942,244	14,045,016.4	11.57	14.21 (13.60, 14.85)	1,785,084	894	3
2024	528	941	13,157,408	2,005,810,348	5,491,609.4	4.01	9.61 (8.83, 10.47)	106,851	202	2
<i>≥ 65 years</i>										
2017	11,075	35,723	36,484,359	12,126,536,505	33,200,647.5	30.36	33.36 (32.74, 33.98)	66,918,985	6,042	3
2018	11,087	37,171	36,953,372	12,241,695,457	33,515,935.5	30.00	33.08 (32.47, 33.70)	60,757,095	5,480	3
2019	10,229	34,203	37,584,150	12,416,419,229	33,994,303.2	27.22	30.09 (29.51, 30.68)	47,980,066	4,691	3
2020	8,813	29,975	37,873,174	12,535,805,518	34,321,165.0	23.27	25.68 (25.15, 26.22)	33,756,115	3,830	3
2021	8,320	28,800	37,552,195	12,347,810,536	33,806,462.8	22.16	24.61 (24.09, 25.15)	24,412,951	2,934	3
2022	7,028	24,047	36,466,568	11,999,578,034	32,853,054.2	19.27	21.39 (20.90, 21.90)	13,171,026	1,874	3
2023	4,870	15,232	36,308,374	11,952,528,551	32,724,239.7	13.41	14.88 (14.47, 15.31)	3,733,820	767	3
2024	485	923	9,257,778	1,517,580,178	4,154,908.1	5.24	11.67 (10.68, 12.76)	107,276	221	2
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)</b>										
<i>0-5 years</i>										
2017	24	61	15,078,937	4,058,533,201	11,111,658.3	0.16	0.22 (0.14, 0.32)	99,136	4,131	3
2018	15	46	14,963,946	4,090,172,342	11,198,281.6	0.10	0.13 (0.08, 0.22)	52,465	3,498	3
2019	17	37	15,674,222	4,224,855,440	11,567,023.8	0.11	0.15 (0.09, 0.24)	34,361	2,021	2
2020	13	31	15,599,657	4,431,553,658	12,132,932.7	0.08	0.11 (0.06, 0.18)	23,264	1,790	2
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	11,051	*****	*****
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	15,226	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	6,325	*****	*****
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	71	224	15,776,789	4,353,450,071	11,919,096.7	0.45	0.60 (0.47, 0.75)	320,096	4,508	3
2018	65	209	15,786,114	4,402,805,294	12,054,223.9	0.41	0.54 (0.42, 0.69)	239,250	3,681	3
2019	60	171	16,399,128	4,512,261,068	12,353,897.5	0.37	0.49 (0.38, 0.63)	177,645	2,961	3
2020	46	107	16,695,992	4,764,498,795	13,044,486.8	0.28	0.35 (0.26, 0.47)	69,435	1,509	2

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	35,343	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	21,786	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	7,552	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	679	*****	*****
<i>12-17 years</i>										
2017	197	489	14,538,402	3,988,115,131	10,918,864.2	1.36	1.80 (1.57, 2.07)	700,626	3,556	2
2018	190	507	14,828,337	4,108,462,185	11,248,356.4	1.28	1.69 (1.47, 1.95)	642,681	3,383	3
2019	174	449	15,690,249	4,319,123,912	11,825,116.8	1.11	1.47 (1.27, 1.71)	432,784	2,487	3
2020	122	307	16,365,074	4,690,652,895	12,842,307.7	0.75	0.95 (0.80, 1.13)	204,905	1,680	3
2021	96	203	17,062,103	5,009,084,363	13,714,125.6	0.56	0.70 (0.57, 0.86)	89,388	931	2
2022	33	92	4,069,039	1,094,424,076	2,996,369.8	0.81	1.10 (0.78, 1.55)	59,102	1,791	3
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	33,578	*****	*****
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	2,715	*****	*****
<i>18-44 years</i>										
2017	4,114	12,388	45,110,162	12,307,284,209	33,695,507.8	9.12	12.21 (11.84, 12.59)	18,505,356	4,498	3
2018	4,263	13,561	45,316,544	12,457,469,019	34,106,691.4	9.41	12.50 (12.13, 12.88)	17,719,837	4,157	3
2019	3,297	9,934	45,708,282	12,519,506,416	34,276,540.5	7.21	9.62 (9.30, 9.95)	10,965,086	3,326	3
2020	2,498	7,359	46,816,655	13,432,187,930	36,775,326.3	5.34	6.79 (6.53, 7.06)	6,425,895	2,572	3
2021	1,971	5,686	49,953,259	14,882,872,858	40,747,085.2	3.95	4.84 (4.63, 5.06)	3,672,677	1,863	3
2022	1,078	3,042	22,412,575	6,117,039,175	16,747,540.5	4.81	6.44 (6.06, 6.83)	1,747,342	1,621	3
2023	802	2,157	21,307,346	5,914,567,082	16,193,202.1	3.76	4.95 (4.62, 5.31)	665,282	830	3
2024	217	391	17,522,152	2,548,291,731	6,976,842.5	1.24	3.11 (2.72, 3.55)	43,278	199	2
<i>45-64 years</i>										
2017	7,339	21,397	29,702,284	8,843,570,487	24,212,376.4	24.71	30.31 (29.63, 31.01)	34,607,006	4,715	3
2018	7,114	21,460	29,316,341	8,790,383,278	24,066,757.8	24.27	29.56 (28.88, 30.25)	30,660,194	4,310	3
2019	5,792	16,889	29,073,228	8,687,353,874	23,784,678.6	19.92	24.35 (23.73, 24.99)	20,667,793	3,568	3
2020	4,550	12,974	28,972,821	8,765,109,571	23,997,562.1	15.70	18.96 (18.42, 19.52)	12,937,797	2,843	3
2021	3,818	10,832	29,175,908	8,954,950,133	24,517,317.3	13.09	15.57 (15.09, 16.07)	8,328,259	2,181	3
2022	2,679	7,838	18,200,159	5,406,860,704	14,803,177.8	14.72	18.10 (17.42, 18.80)	4,596,275	1,716	3

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2023	1,935	5,518	17,247,552	5,129,942,244	14,045,016.4	11.22	13.78 (13.18, 14.40)	1,697,295	877	3
2024	512	911	13,157,408	2,005,810,348	5,491,609.4	3.89	9.32 (8.55, 10.17)	104,250	204	2
<i>≥ 65 years</i>										
2017	10,462	32,308	36,484,359	12,126,536,505	33,200,647.5	28.68	31.51 (30.91, 32.12)	60,442,362	5,777	3
2018	10,568	34,109	36,953,372	12,241,695,457	33,515,935.5	28.60	31.53 (30.94, 32.14)	55,627,963	5,264	3
2019	9,794	31,465	37,584,150	12,416,419,229	33,994,303.2	26.06	28.81 (28.25, 29.39)	44,025,176	4,495	3
2020	8,478	27,678	37,873,174	12,535,805,518	34,321,165.0	22.39	24.70 (24.18, 25.23)	31,151,558	3,674	3
2021	8,025	26,612	37,552,195	12,347,810,536	33,806,462.8	21.37	23.74 (23.22, 24.26)	22,544,119	2,809	3
2022	6,786	22,172	36,466,568	11,999,578,034	32,853,054.2	18.61	20.66 (20.17, 21.15)	12,194,339	1,797	3
2023	4,707	14,046	36,308,374	11,952,528,551	32,724,239.7	12.96	14.38 (13.98, 14.80)	3,467,064	737	3
2024	469	886	9,257,778	1,517,580,178	4,154,908.1	5.07	11.29 (10.31, 12.36)	102,818	219	2
<b>Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist</b>										
<i>0-5 years</i>										
2017	16	38	15,078,937	4,058,533,201	11,111,658.3	0.11	0.14 (0.09, 0.24)	62,145	3,884	2
2018	12	28	14,963,946	4,090,172,342	11,198,281.6	0.08	0.11 (0.06, 0.19)	30,376	2,531	2
2019	12	26	15,674,222	4,224,855,440	11,567,023.8	0.08	0.10 (0.06, 0.18)	22,431	1,869	2
2020	*****	*****	15,599,657	4,431,553,658	12,132,932.7	*****	*****	9,125	*****	*****
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	6,039	*****	*****
2022	*****	*****	3,106,316	792,102,680	2,168,658.9	*****	*****	12,611	*****	*****
2023	*****	*****	2,952,274	766,188,436	2,097,709.6	*****	*****	3,234	*****	*****
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	52	145	15,776,789	4,353,450,071	11,919,096.7	0.33	0.44 (0.33, 0.57)	209,599	4,031	3
2018	50	140	15,786,114	4,402,805,294	12,054,223.9	0.32	0.41 (0.31, 0.55)	156,434	3,129	3
2019	50	124	16,399,128	4,512,261,068	12,353,897.5	0.30	0.40 (0.31, 0.53)	131,639	2,633	2
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	46,642	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	21,076	*****	*****
2022	*****	*****	3,624,848	959,437,729	2,626,797.3	*****	*****	9,695	*****	*****
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	5,424	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	529	*****	*****
<i>12-17 years</i>										
2017	112	255	14,538,402	3,988,115,131	10,918,864.2	0.77	1.03 (0.85, 1.23)	372,451	3,325	2
2018	131	272	14,828,337	4,108,462,185	11,248,356.4	0.88	1.16 (0.98, 1.38)	350,837	2,678	2
2019	113	244	15,690,249	4,319,123,912	11,825,116.8	0.72	0.96 (0.79, 1.15)	236,741	2,095	2
2020	90	177	16,365,074	4,690,652,895	12,842,307.7	0.55	0.70 (0.57, 0.86)	121,214	1,347	2
2021	63	106	17,062,103	5,009,084,363	13,714,125.6	0.37	0.46 (0.36, 0.59)	49,800	790	2
2022	22	52	4,069,039	1,094,424,076	2,996,369.8	0.54	0.73 (0.48, 1.12)	32,830	1,492	2
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	21,149	*****	*****
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	1,729	*****	*****
<i>18-44 years</i>										
2017	1,915	4,175	45,110,162	12,307,284,209	33,695,507.8	4.25	5.68 (5.43, 5.94)	6,254,471	3,266	2
2018	1,964	4,331	45,316,544	12,457,469,019	34,106,691.4	4.33	5.76 (5.51, 6.02)	5,643,919	2,874	2
2019	1,715	3,782	45,708,282	12,519,506,416	34,276,540.5	3.75	5.00 (4.77, 5.25)	4,150,426	2,420	2
2020	1,392	3,071	46,816,655	13,432,187,930	36,775,326.3	2.97	3.79 (3.59, 3.99)	2,679,135	1,925	2
2021	1,153	2,466	49,953,259	14,882,872,858	40,747,085.2	2.31	2.83 (2.67, 3.00)	1,599,885	1,388	2
2022	630	1,345	22,412,575	6,117,039,175	16,747,540.5	2.81	3.76 (3.48, 4.07)	797,482	1,266	2
2023	485	981	21,307,346	5,914,567,082	16,193,202.1	2.28	3.00 (2.74, 3.27)	313,275	646	2
2024	125	174	17,522,152	2,548,291,731	6,976,842.5	0.71	1.79 (1.50, 2.13)	19,481	156	1
<i>45-64 years</i>										
2017	3,562	7,980	29,702,284	8,843,570,487	24,212,376.4	11.99	14.71 (14.24, 15.20)	12,816,975	3,598	2
2018	3,461	7,616	29,316,341	8,790,383,278	24,066,757.8	11.81	14.38 (13.91, 14.87)	10,847,951	3,134	2
2019	3,033	6,682	29,073,228	8,687,353,874	23,784,678.6	10.43	12.75 (12.31, 13.21)	8,215,448	2,709	2
2020	2,526	5,445	28,972,821	8,765,109,571	23,997,562.1	8.72	10.53 (10.12, 10.94)	5,489,236	2,173	2
2021	2,132	4,410	29,175,908	8,954,950,133	24,517,317.3	7.31	8.70 (8.33, 9.07)	3,449,201	1,618	2
2022	1,493	3,274	18,200,159	5,406,860,704	14,803,177.8	8.20	10.09 (9.59, 10.61)	1,983,686	1,329	2
2023	1,106	2,326	17,247,552	5,129,942,244	14,045,016.4	6.41	7.87 (7.42, 8.35)	738,867	668	2
2024	296	469	13,157,408	2,005,810,348	5,491,609.4	2.25	5.39 (4.81, 6.04)	52,832	178	2
<i>≥ 65 years</i>										

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2017	6,040	14,275	36,484,359	12,126,536,505	33,200,647.5	16.56	18.19 (17.74, 18.66)	27,756,586	4,595	2
2018	6,181	14,535	36,953,372	12,241,695,457	33,515,935.5	16.73	18.44 (17.99, 18.91)	24,739,042	4,002	2
2019	5,945	13,856	37,584,150	12,416,419,229	33,994,303.2	15.82	17.49 (17.05, 17.94)	20,021,357	3,368	2
2020	5,216	12,244	37,873,174	12,535,805,518	34,321,165.0	13.77	15.20 (14.79, 15.62)	14,199,016	2,722	2
2021	5,111	11,562	37,552,195	12,347,810,536	33,806,462.8	13.61	15.12 (14.71, 15.54)	10,113,202	1,979	2
2022	4,324	9,733	36,466,568	11,999,578,034	32,853,054.2	11.86	13.16 (12.78, 13.56)	5,511,002	1,275	2
2023	2,996	6,160	36,308,374	11,952,528,551	32,724,239.7	8.25	9.16 (8.83, 9.49)	1,561,176	521	2
2024	294	454	9,257,778	1,517,580,178	4,154,908.1	3.18	7.08 (6.31, 7.93)	52,612	179	2
<b>Patients with Chilblains with evidence of Systemic Lupus Erythematosus</b>										
<i>0-5 years</i>										
2017	0	0	15,078,937	4,058,533,201	11,111,658.3	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	1,247	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	1,643	*****	*****
2020	0	0	15,599,657	4,431,553,658	12,132,932.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	874	*****	*****
2022	0	0	3,106,316	792,102,680	2,168,658.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	0	0	2,952,274	766,188,436	2,097,709.6	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	8,717	*****	*****
2018	0	0	15,786,114	4,402,805,294	12,054,223.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	1,083	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	2,064	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	1,889	*****	*****
2022	0	0	3,624,848	959,437,729	2,626,797.3	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	477	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	439	*****	*****
<i>12-17 years</i>										
2017	*****	*****	14,538,402	3,988,115,131	10,918,864.2	*****	*****	55,413	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2018	*****	*****	14,828,337	4,108,462,185	11,248,356.4	*****	*****	58,490	*****	*****
2019	*****	*****	15,690,249	4,319,123,912	11,825,116.8	*****	*****	39,795	*****	*****
2020	*****	*****	16,365,074	4,690,652,895	12,842,307.7	*****	*****	46,123	*****	*****
2021	*****	*****	17,062,103	5,009,084,363	13,714,125.6	*****	*****	68,572	*****	*****
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	19,940	*****	*****
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	5,782	*****	*****
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	407	*****	*****
<i>18-44 years</i>										
2017	125	241	45,110,162	12,307,284,209	33,695,507.8	0.28	0.37 (0.31, 0.44)	307,516	2,460	2
2018	148	277	45,316,544	12,457,469,019	34,106,691.4	0.33	0.43 (0.37, 0.51)	342,557	2,315	2
2019	185	358	45,708,282	12,519,506,416	34,276,540.5	0.40	0.54 (0.47, 0.62)	387,450	2,094	2
2020	223	457	46,816,655	13,432,187,930	36,775,326.3	0.48	0.61 (0.53, 0.69)	403,542	1,810	2
2021	309	596	49,953,259	14,882,872,858	40,747,085.2	0.62	0.76 (0.68, 0.85)	391,291	1,266	2
2022	214	399	22,412,575	6,117,039,175	16,747,540.5	0.95	1.28 (1.12, 1.46)	226,610	1,059	2
2023	*****	*****	21,307,346	5,914,567,082	16,193,202.1	*****	*****	128,354	*****	*****
2024	*****	*****	17,522,152	2,548,291,731	6,976,842.5	*****	*****	18,415	*****	*****
<i>45-64 years</i>										
2017	100	177	29,702,284	8,843,570,487	24,212,376.4	0.34	0.41 (0.34, 0.50)	316,792	3,168	2
2018	120	233	29,316,341	8,790,383,278	24,066,757.8	0.41	0.50 (0.42, 0.60)	347,134	2,893	2
2019	148	290	29,073,228	8,687,353,874	23,784,678.6	0.51	0.62 (0.53, 0.73)	372,296	2,516	2
2020	161	305	28,972,821	8,765,109,571	23,997,562.1	0.56	0.67 (0.57, 0.78)	313,640	1,948	2
2021	224	458	29,175,908	8,954,950,133	24,517,317.3	0.77	0.91 (0.80, 1.04)	345,711	1,543	2
2022	197	364	18,200,159	5,406,860,704	14,803,177.8	1.08	1.33 (1.16, 1.53)	202,961	1,030	2
2023	178	348	17,247,552	5,129,942,244	14,045,016.4	1.03	1.27 (1.09, 1.47)	103,685	583	2
2024	90	120	13,157,408	2,005,810,348	5,491,609.4	0.68	1.64 (1.33, 2.01)	11,932	133	1
<i>≥ 65 years</i>										
2017	158	314	36,484,359	12,126,536,505	33,200,647.5	0.43	0.48 (0.41, 0.56)	663,531	4,200	2
2018	191	428	36,953,372	12,241,695,457	33,515,935.5	0.52	0.57 (0.49, 0.66)	771,030	4,037	2
2019	192	411	37,584,150	12,416,419,229	33,994,303.2	0.51	0.56 (0.49, 0.65)	624,580	3,253	2

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	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2020	227	470	37,873,174	12,535,805,518	34,321,165.0	0.60	0.66 (0.58, 0.75)	539,841	2,378	2
2021	322	694	37,552,195	12,347,810,536	33,806,462.8	0.86	0.95 (0.85, 1.06)	622,977	1,935	2
2022	318	643	36,466,568	11,999,578,034	32,853,054.2	0.87	0.97 (0.87, 1.08)	360,469	1,134	2
2023	327	638	36,308,374	11,952,528,551	32,724,239.7	0.90	1.00 (0.90, 1.11)	150,728	461	2
2024	31	52	9,257,778	1,517,580,178	4,154,908.1	0.33	0.75 (0.52, 1.06)	5,504	178	2

**Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider**

<i>0-5 years</i>										
2017	0	0	15,078,937	4,058,533,201	11,111,658.3	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	1,247	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	1,643	*****	*****
2020	0	0	15,599,657	4,431,553,658	12,132,932.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	874	*****	*****
2022	0	0	3,106,316	792,102,680	2,168,658.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	0	0	2,952,274	766,188,436	2,097,709.6	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	8,717	*****	*****
2018	0	0	15,786,114	4,402,805,294	12,054,223.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	1,083	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	2,064	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	1,889	*****	*****
2022	0	0	3,624,848	959,437,729	2,626,797.3	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	477	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	439	*****	*****
<i>12-17 years</i>										
2017	*****	*****	14,538,402	3,988,115,131	10,918,864.2	*****	*****	37,042	*****	*****
2018	*****	*****	14,828,337	4,108,462,185	11,248,356.4	*****	*****	45,951	*****	*****
2019	*****	*****	15,690,249	4,319,123,912	11,825,116.8	*****	*****	37,605	*****	*****
2020	*****	*****	16,365,074	4,690,652,895	12,842,307.7	*****	*****	41,754	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2021	*****	*****	17,062,103	5,009,084,363	13,714,125.6	*****	*****	55,251	*****	*****
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	18,190	*****	*****
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	5,085	*****	*****
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	407	*****	*****
<i>18-44 years</i>										
2017	116	208	45,110,162	12,307,284,209	33,695,507.8	0.26	0.34 (0.29, 0.41)	274,788	2,369	2
2018	135	245	45,316,544	12,457,469,019	34,106,691.4	0.30	0.40 (0.33, 0.47)	300,462	2,226	2
2019	176	337	45,708,282	12,519,506,416	34,276,540.5	0.39	0.51 (0.44, 0.60)	364,754	2,072	2
2020	204	396	46,816,655	13,432,187,930	36,775,326.3	0.44	0.55 (0.48, 0.64)	352,541	1,728	2
2021	286	526	49,953,259	14,882,872,858	40,747,085.2	0.57	0.70 (0.63, 0.79)	333,428	1,166	2
2022	201	360	22,412,575	6,117,039,175	16,747,540.5	0.90	1.20 (1.05, 1.38)	204,065	1,015	2
2023	*****	*****	21,307,346	5,914,567,082	16,193,202.1	*****	*****	112,602	*****	*****
2024	*****	*****	17,522,152	2,548,291,731	6,976,842.5	*****	*****	15,998	*****	*****
<i>45-64 years</i>										
2017	90	152	29,702,284	8,843,570,487	24,212,376.4	0.30	0.37 (0.30, 0.46)	280,740	3,119	2
2018	113	219	29,316,341	8,790,383,278	24,066,757.8	0.39	0.47 (0.39, 0.56)	332,670	2,944	2
2019	139	266	29,073,228	8,687,353,874	23,784,678.6	0.48	0.58 (0.49, 0.69)	345,265	2,484	2
2020	156	283	28,972,821	8,765,109,571	23,997,562.1	0.54	0.65 (0.56, 0.76)	289,844	1,858	2
2021	220	417	29,175,908	8,954,950,133	24,517,317.3	0.75	0.90 (0.79, 1.02)	314,820	1,431	2
2022	186	327	18,200,159	5,406,860,704	14,803,177.8	1.02	1.26 (1.09, 1.45)	183,667	987	2
2023	172	316	17,247,552	5,129,942,244	14,045,016.4	1.00	1.22 (1.05, 1.42)	94,430	549	2
2024	79	102	13,157,408	2,005,810,348	5,491,609.4	0.60	1.44 (1.15, 1.79)	10,103	128	1
<i>≥ 65 years</i>										
2017	155	307	36,484,359	12,126,536,505	33,200,647.5	0.42	0.47 (0.40, 0.55)	647,761	4,179	2
2018	190	426	36,953,372	12,241,695,457	33,515,935.5	0.51	0.57 (0.49, 0.65)	766,703	4,035	2
2019	187	403	37,584,150	12,416,419,229	33,994,303.2	0.50	0.55 (0.48, 0.63)	610,246	3,263	2
2020	225	467	37,873,174	12,535,805,518	34,321,165.0	0.59	0.66 (0.58, 0.75)	536,665	2,385	2
2021	318	684	37,552,195	12,347,810,536	33,806,462.8	0.85	0.94 (0.84, 1.05)	611,929	1,924	2
2022	315	637	36,466,568	11,999,578,034	32,853,054.2	0.86	0.96 (0.86, 1.07)	356,607	1,132	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2023	323	624	36,308,374	11,952,528,551	32,724,239.7	0.89	0.99 (0.89, 1.10)	144,839	448	2
2024	30	49	9,257,778	1,517,580,178	4,154,908.1	0.32	0.72 (0.50, 1.03)	5,150	172	2

**Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)**

<i>0-5 years</i>										
2017	0	0	15,078,937	4,058,533,201	11,111,658.3	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	1,247	*****	*****
2019	*****	*****	15,674,222	4,224,855,440	11,567,023.8	*****	*****	1,643	*****	*****
2020	0	0	15,599,657	4,431,553,658	12,132,932.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	453	*****	*****
2022	0	0	3,106,316	792,102,680	2,168,658.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	0	0	2,952,274	766,188,436	2,097,709.6	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	8,717	*****	*****
2018	0	0	15,786,114	4,402,805,294	12,054,223.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	1,083	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	1,998	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	1,889	*****	*****
2022	0	0	3,624,848	959,437,729	2,626,797.3	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	*****	*****	3,458,009	925,361,895	2,533,502.8	*****	*****	477	*****	*****
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	439	*****	*****
<i>12-17 years</i>										
2017	*****	*****	14,538,402	3,988,115,131	10,918,864.2	*****	*****	32,986	*****	*****
2018	*****	*****	14,828,337	4,108,462,185	11,248,356.4	*****	*****	38,944	*****	*****
2019	*****	*****	15,690,249	4,319,123,912	11,825,116.8	*****	*****	31,059	*****	*****
2020	*****	*****	16,365,074	4,690,652,895	12,842,307.7	*****	*****	40,496	*****	*****
2021	*****	*****	17,062,103	5,009,084,363	13,714,125.6	*****	*****	52,673	*****	*****
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	15,736	*****	*****
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	5,085	*****	*****

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	407	*****	*****
<i>18-44 years</i>										
2017	106	183	45,110,162	12,307,284,209	33,695,507.8	0.23	0.31 (0.26, 0.38)	232,659	2,195	2
2018	121	221	45,316,544	12,457,469,019	34,106,691.4	0.27	0.35 (0.30, 0.42)	276,567	2,286	2
2019	163	299	45,708,282	12,519,506,416	34,276,540.5	0.36	0.48 (0.41, 0.55)	332,814	2,042	2
2020	185	349	46,816,655	13,432,187,930	36,775,326.3	0.40	0.50 (0.44, 0.58)	317,929	1,719	2
2021	265	480	49,953,259	14,882,872,858	40,747,085.2	0.53	0.65 (0.58, 0.73)	302,853	1,143	2
2022	181	312	22,412,575	6,117,039,175	16,747,540.5	0.81	1.08 (0.93, 1.25)	175,772	971	2
2023	*****	*****	21,307,346	5,914,567,082	16,193,202.1	*****	*****	102,873	*****	*****
2024	*****	*****	17,522,152	2,548,291,731	6,976,842.5	*****	*****	14,815	*****	*****
<i>45-64 years</i>										
2017	85	144	29,702,284	8,843,570,487	24,212,376.4	0.29	0.35 (0.28, 0.43)	266,667	3,137	2
2018	109	203	29,316,341	8,790,383,278	24,066,757.8	0.37	0.45 (0.38, 0.55)	305,186	2,800	2
2019	131	248	29,073,228	8,687,353,874	23,784,678.6	0.45	0.55 (0.46, 0.65)	325,525	2,485	2
2020	148	264	28,972,821	8,765,109,571	23,997,562.1	0.51	0.62 (0.52, 0.72)	267,998	1,811	2
2021	211	385	29,175,908	8,954,950,133	24,517,317.3	0.72	0.86 (0.75, 0.98)	287,376	1,362	2
2022	176	303	18,200,159	5,406,860,704	14,803,177.8	0.97	1.19 (1.03, 1.38)	170,940	971	2
2023	165	299	17,247,552	5,129,942,244	14,045,016.4	0.96	1.17 (1.01, 1.37)	90,422	548	2
2024	74	95	13,157,408	2,005,810,348	5,491,609.4	0.56	1.35 (1.07, 1.69)	9,503	128	1
<i>≥ 65 years</i>										
2017	151	291	36,484,359	12,126,536,505	33,200,647.5	0.41	0.45 (0.39, 0.53)	622,930	4,125	2
2018	181	394	36,953,372	12,241,695,457	33,515,935.5	0.49	0.54 (0.47, 0.62)	708,811	3,916	2
2019	177	377	37,584,150	12,416,419,229	33,994,303.2	0.47	0.52 (0.45, 0.60)	568,714	3,213	2
2020	218	440	37,873,174	12,535,805,518	34,321,165.0	0.58	0.64 (0.56, 0.73)	503,027	2,307	2
2021	307	653	37,552,195	12,347,810,536	33,806,462.8	0.82	0.91 (0.81, 1.02)	585,968	1,909	2
2022	303	592	36,466,568	11,999,578,034	32,853,054.2	0.83	0.92 (0.82, 1.03)	329,712	1,088	2
2023	308	592	36,308,374	11,952,528,551	32,724,239.7	0.85	0.94 (0.84, 1.05)	138,255	449	2
2024	29	48	9,257,778	1,517,580,178	4,154,908.1	0.31	0.70 (0.49, 1.00)	5,052	174	2

**Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist**

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
<i>0-5 years</i>										
2017	0	0	15,078,937	4,058,533,201	11,111,658.3	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2018	*****	*****	14,963,946	4,090,172,342	11,198,281.6	*****	*****	1,247	*****	*****
2019	0	0	15,674,222	4,224,855,440	11,567,023.8	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2020	0	0	15,599,657	4,431,553,658	12,132,932.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2021	*****	*****	16,024,149	4,644,287,925	12,715,367.4	*****	*****	453	*****	*****
2022	0	0	3,106,316	792,102,680	2,168,658.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	0	0	2,952,274	766,188,436	2,097,709.6	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2024	0	0	2,497,108	346,578,678	948,880.7	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
<i>6-11 years</i>										
2017	*****	*****	15,776,789	4,353,450,071	11,919,096.7	*****	*****	6,036	*****	*****
2018	0	0	15,786,114	4,402,805,294	12,054,223.9	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2019	*****	*****	16,399,128	4,512,261,068	12,353,897.5	*****	*****	1,083	*****	*****
2020	*****	*****	16,695,992	4,764,498,795	13,044,486.8	*****	*****	431	*****	*****
2021	*****	*****	17,050,836	4,999,299,876	13,687,337.1	*****	*****	1,550	*****	*****
2022	0	0	3,624,848	959,437,729	2,626,797.3	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2023	0	0	3,458,009	925,361,895	2,533,502.8	0.00	0.00 (0.00, 0.00)	0	NaN	NaN
2024	*****	*****	2,948,554	417,235,851	1,142,329.5	*****	*****	439	*****	*****
<i>12-17 years</i>										
2017	*****	*****	14,538,402	3,988,115,131	10,918,864.2	*****	*****	28,075	*****	*****
2018	*****	*****	14,828,337	4,108,462,185	11,248,356.4	*****	*****	32,202	*****	*****
2019	*****	*****	15,690,249	4,319,123,912	11,825,116.8	*****	*****	24,904	*****	*****
2020	*****	*****	16,365,074	4,690,652,895	12,842,307.7	*****	*****	24,061	*****	*****
2021	*****	*****	17,062,103	5,009,084,363	13,714,125.6	*****	*****	30,767	*****	*****
2022	*****	*****	4,069,039	1,094,424,076	2,996,369.8	*****	*****	10,221	*****	*****
2023	*****	*****	3,871,396	1,048,256,560	2,869,970.0	*****	*****	2,691	*****	*****
2024	*****	*****	3,304,739	471,958,328	1,292,151.5	*****	*****	356	*****	*****
<i>18-44 years</i>										
2017	84	128	45,110,162	12,307,284,209	33,695,507.8	0.19	0.25 (0.20, 0.31)	153,152	1,823	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

	Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
2018	93	164	45,316,544	12,457,469,019	34,106,691.4	0.21	0.27 (0.22, 0.33)	196,039	2,108	2
2019	133	225	45,708,282	12,519,506,416	34,276,540.5	0.29	0.39 (0.33, 0.46)	257,774	1,938	2
2020	136	239	46,816,655	13,432,187,930	36,775,326.3	0.29	0.37 (0.31, 0.44)	224,082	1,648	2
2021	187	317	49,953,259	14,882,872,858	40,747,085.2	0.37	0.46 (0.40, 0.53)	215,592	1,153	2
2022	130	219	22,412,575	6,117,039,175	16,747,540.5	0.58	0.78 (0.65, 0.92)	131,438	1,011	2
2023	*****	*****	21,307,346	5,914,567,082	16,193,202.1	*****	*****	74,773	*****	*****
2024	*****	*****	17,522,152	2,548,291,731	6,976,842.5	*****	*****	10,474	*****	*****
<i>45-64 years</i>										
2017	59	101	29,702,284	8,843,570,487	24,212,376.4	0.20	0.24 (0.19, 0.31)	182,458	3,093	2
2018	70	119	29,316,341	8,790,383,278	24,066,757.8	0.24	0.29 (0.23, 0.37)	191,211	2,732	2
2019	93	158	29,073,228	8,687,353,874	23,784,678.6	0.32	0.39 (0.32, 0.48)	204,601	2,200	2
2020	100	170	28,972,821	8,765,109,571	23,997,562.1	0.35	0.42 (0.34, 0.51)	178,060	1,781	2
2021	140	250	29,175,908	8,954,950,133	24,517,317.3	0.48	0.57 (0.48, 0.67)	196,246	1,402	2
2022	122	201	18,200,159	5,406,860,704	14,803,177.8	0.67	0.82 (0.69, 0.98)	114,687	940	2
2023	121	203	17,247,552	5,129,942,244	14,045,016.4	0.70	0.86 (0.72, 1.03)	63,002	521	2
2024	56	65	13,157,408	2,005,810,348	5,491,609.4	0.43	1.02 (0.78, 1.33)	6,253	112	1
<i>≥ 65 years</i>										
2017	103	177	36,484,359	12,126,536,505	33,200,647.5	0.28	0.31 (0.26, 0.38)	383,693	3,725	2
2018	130	256	36,953,372	12,241,695,457	33,515,935.5	0.35	0.39 (0.33, 0.46)	459,597	3,535	2
2019	125	217	37,584,150	12,416,419,229	33,994,303.2	0.33	0.37 (0.31, 0.44)	330,215	2,642	2
2020	150	277	37,873,174	12,535,805,518	34,321,165.0	0.40	0.44 (0.37, 0.51)	320,528	2,137	2
2021	205	393	37,552,195	12,347,810,536	33,806,462.8	0.55	0.61 (0.53, 0.70)	357,873	1,746	2
2022	196	354	36,466,568	11,999,578,034	32,853,054.2	0.54	0.60 (0.52, 0.69)	202,695	1,034	2
2023	211	377	36,308,374	11,952,528,551	32,724,239.7	0.58	0.64 (0.56, 0.74)	87,246	413	2
2024	16	27	9,257,778	1,517,580,178	4,154,908.1	0.17	0.39 (0.24, 0.63)	2,803	175	2

**Table 8. Summary of Health Conditions of Interest<sup>1</sup> in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024, by Age Group and Year**

Number of Patients per Age Group and Calendar Year	Number of Index Dates <sup>2</sup> per Age Group and Calendar Year	Number of Eligible Members <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Days <sup>3</sup> per Age Group and Calendar Year	Total Eligible Member-Years <sup>3</sup> per Age Group and Calendar Year	Number of Patients per 100,000 Eligible Members <sup>3</sup>	Number of Patients per 100,000 Eligible Member-Years (95% Confidence Interval) <sup>3</sup>	Total Observable Days Among Patients <sup>4</sup>	Mean Number of Observable Days per Patient	Mean Number of Index Dates per Patient
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<sup>1</sup>- Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

- Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

- Other lupus erythematosus, defined by ICD-10 code L93.2.

- Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

- Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

- Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

- Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1, T69.1XXA, T69.1XXD, or T69.1XXS (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

- We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider IDs in Appendix C, D, and E.

*Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.*

<sup>2</sup>Cohort includes all valid index dates per patient that meet all user criteria during the query period.

<sup>3</sup>Eligible Member-Days and Eligible Member-Years are calculated based on the total number of days or years that eligible members were enrolled in the study. In stratified analyses, members may appear in more than one stratum due to changes in characteristics over time, such as transitioning into a new age group or a new calendar year. This could result in multiple counting of the same individual across different strata. However, while the number of eligible members in each stratum may add up to more than the overall total, each day or year of eligibility is counted only once for each individual, regardless of how many strata they appear in. As a result, the sum of stratified Member-Days/Years will match the overall total. The totals for Eligible Member-Days and Eligible Member-Years are based on each patient's time unit (whether in days or years), counted only once, regardless of their presence in multiple strata, since each individual can only contribute their time to one stratum at a time.

<sup>4</sup>Total Observable Days refers to the total duration that patients remained enrolled in the study after their diagnosis (index date). This time is calculated from the index date until their last day of enrollment. The calculation is not affected by age group or calendar year stratifications. Specifically, even if a patient's last day of enrollment falls outside the age group or calendar year in which they were indexed, the observable days continue to be counted until the last day of enrollment, even if this extends beyond the original stratification.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

NaN: Not a Number

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus		Patients with Discoid Lupus Erythematosus Coded by Any Known Provider		Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>						
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>						
Had any cohort-defining claim during the query period	303,947	289,208,215	281,772	289,230,390	258,330	289,253,832
<b>Cohort episodes with a valid index date</b>						
Total number of claims with cohort-identifying codes during the query period	1,455,813	N/A	1,273,775	N/A	1,123,101	N/A
Claim recorded during specified age range	*****	*****	*****	*****	*****	*****
Episode defining index claim recorded during the query period	*****	0	*****	0	*****	0
<b>Cohort episodes with required pre-index history</b>						
Had sufficient pre-index continuous enrollment	1,401,592	*****	1,228,638	*****	1,082,824	*****
Met inclusion and exclusion criteria <sup>3</sup>	1,401,592	0	1,228,638	0	1,082,824	0
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus		Patients with Discoid Lupus Erythematosus Coded by Any Known Provider		Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Cohort episodes with required pre-index history</b>						
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE in all available data before and after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
Had sufficient post-index continuous enrollment	1,401,592	0	1,228,638	0	1,082,824	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus		Patients with Discoid Lupus Erythematosus Coded by Any Known Provider		Patients with Discoid Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>						
Number of members	290,779	N/A	269,940	N/A	247,560	N/A
Number of episodes	1,401,592	N/A	1,228,638	N/A	1,082,824	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Subacute Cutaneous Lupus Erythematosus		Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>						
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>						
Had any cohort-defining claim during the query period	78,596	289,433,566	50,716	289,461,446	47,650	289,464,512
<b>Cohort episodes with a valid index date</b>						
Total number of claims with cohort-identifying codes during the query period	286,670	N/A	216,553	N/A	199,601	N/A
Claim recorded during specified age range	286,670	0	216,553	0	199,601	0
Episode defining index claim recorded during the query period	286,670	0	216,553	0	199,601	0
<b>Cohort episodes with required pre-index history</b>						
Had sufficient pre-index continuous enrollment	276,546	10,124	210,474	6,079	194,380	5,221
Met inclusion and exclusion criteria <sup>3</sup>	276,546	0	210,474	0	194,380	0
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Subacute Cutaneous Lupus Erythematosus		Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Cohort episodes with required pre-index history</b>						
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE in all available data before and after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
Had sufficient post-index continuous enrollment	276,546	0	210,474	0	194,380	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Subacute Cutaneous Lupus Erythematosus		Patients with Subacute Cutaneous Lupus Erythematosus Coded by Any Known Provider	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>						
Number of members	75,541	N/A	49,024	N/A	46,150	N/A
Number of episodes	276,546	N/A	210,474	N/A	194,380	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Other Lupus Erythematosus	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>						
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>						
Had any cohort-defining claim during the query period	43,661	289,468,501	27,436	289,484,726	96,140	289,416,022
<b>Cohort episodes with a valid index date</b>						
Total number of claims with cohort-identifying codes during the query period	180,640	N/A	103,609	N/A	407,943	N/A
Claim recorded during specified age range	180,640	0	103,609	0	407,943	0
Episode defining index claim recorded during the query period	180,640	0	103,609	0	407,943	0
<b>Cohort episodes with required pre-index history</b>						
Had sufficient pre-index continuous enrollment	175,902	4,738	101,136	2,473	395,094	12,849
Met inclusion and exclusion criteria <sup>3</sup>	175,902	0	101,136	0	395,094	0
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Other Lupus Erythematosus	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Cohort episodes with required pre-index history</b>						
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE in all available data before and after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
Had sufficient post-index continuous enrollment	175,902	0	101,136	0	395,094	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Subacute Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Subacute Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Other Lupus Erythematosus	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>						
Number of members	42,281	N/A	26,677	N/A	92,422	N/A
Number of episodes	175,902	N/A	101,136	N/A	395,094	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Other Lupus Erythematosus Coded by Any Known Provider		Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>						
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>						
Had any cohort-defining claim during the query period	88,992	289,423,170	79,909	289,432,253	32,979	289,479,183
<b>Cohort episodes with a valid index date</b>						
Total number of claims with cohort-identifying codes during the query period	353,444	N/A	297,263	N/A	104,586	N/A
Claim recorded during specified age range	353,444	0	297,263	0	104,586	0
Episode defining index claim recorded during the query period	353,444	0	297,263	0	104,586	0
<b>Cohort episodes with required pre-index history</b>						
Had sufficient pre-index continuous enrollment	342,582	10,862	287,959	9,304	101,347	3,239
Met inclusion and exclusion criteria <sup>3</sup>	342,582	0	287,959	0	101,347	0
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Other Lupus Erythematosus Coded by Any Known Provider		Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Cohort episodes with required pre-index history</b>						
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE in all available data before and after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
Had sufficient post-index continuous enrollment	342,582	0	287,959	0	101,347	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Other Lupus Erythematosus Coded by Any Known Provider		Patients with Other Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Other Lupus Erythematosus Coded by Any Dermatologist or Rheumatologist	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>						
Number of members	85,712	N/A	76,944	N/A	31,862	N/A
Number of episodes	342,582	N/A	287,959	N/A	101,347	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus		Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any Known Provider	
	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>				
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>				
Had any cohort-defining claim during the query period	860,090	288,652,072	787,686	288,724,476
<b>Cohort episodes with a valid index date</b>				
Total number of claims with cohort-identifying codes during the query period	8,673,599	N/A	7,450,528	N/A
Claim recorded during specified age range	*****	*****	*****	*****
Episode defining index claim recorded during the query period	*****	0	*****	0
<b>Cohort episodes with required pre-index history</b>				
Had sufficient pre-index continuous enrollment	8,339,407	*****	7,182,464	*****
Met inclusion and exclusion criteria <sup>3</sup>	1,059,009	7,280,398	903,567	6,278,897
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	5,055,197	N/A	4,422,653
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus		Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any Known Provider	
	Remaining	Excluded	Remaining	Excluded
<b>Cohort episodes with required pre-index history</b>				
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	4,540,954	N/A	3,849,911
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	N/A	N/A	N/A
<i>No evidence of SLE in all available data before and after index</i>	N/A	N/A	N/A	N/A
Had sufficient post-index continuous enrollment	1,059,009	0	903,567	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus		Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Any Known Provider	
	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>				
Number of members	123,721	N/A	116,140	N/A
Number of episodes	1,059,009	N/A	903,567	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist	
	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>				
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>				
Had any cohort-defining claim during the query period	708,122	288,804,040	270,249	289,241,913
<b>Cohort episodes with a valid index date</b>				
Total number of claims with cohort-identifying codes during the query period	6,527,701	N/A	1,620,693	N/A
Claim recorded during specified age range	*****	*****	1,620,693	0
Episode defining index claim recorded during the query period	*****	0	1,620,693	0
<b>Cohort episodes with required pre-index history</b>				
Had sufficient pre-index continuous enrollment	6,289,156	*****	1,564,316	56,377
Met inclusion and exclusion criteria <sup>3</sup>	803,092	5,486,064	199,147	1,365,169
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	3,913,489	N/A	953,498
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist	
	Remaining	Excluded	Remaining	Excluded
<b>Cohort episodes with required pre-index history</b>				
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	3,320,378	N/A	871,612
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	N/A	N/A	N/A
<i>No evidence of SLE in all available data before and after index</i>	N/A	N/A	N/A	N/A
Had sufficient post-index continuous enrollment	803,092	0	199,147	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Systemic Lupus Erythematosus Without Manifestations of Systemic Lupus Erythematosus or Drug-induced Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist	
	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>				
Number of members	109,475	N/A	39,129	N/A
Number of episodes	803,092	N/A	199,147	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus		Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider		Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>						
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>						
Had any cohort-defining claim during the query period	303,947	289,208,215	281,772	289,230,390	258,330	289,253,832
<b>Cohort episodes with a valid index date</b>						
Total number of claims with cohort-identifying codes during the query period	1,455,813	N/A	1,273,775	N/A	1,123,101	N/A
Claim recorded during specified age range	*****	*****	*****	*****	*****	*****
Episode defining index claim recorded during the query period	*****	0	*****	0	*****	0
<b>Cohort episodes with required pre-index history</b>						
Had sufficient pre-index continuous enrollment	1,401,592	*****	1,228,638	*****	1,082,824	*****
Met inclusion and exclusion criteria <sup>3</sup>	616,051	785,541	547,476	681,162	488,582	594,242
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus		Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider		Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Cohort episodes with required pre-index history</b>						
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	785,541	N/A	681,162	N/A	594,242
<i>No evidence of SLE in all available data before and after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
Had sufficient post-index continuous enrollment	616,051	0	547,476	0	488,582	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus		Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Any Known Provider		Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>						
Number of members	124,453	N/A	118,036	N/A	111,672	N/A
Number of episodes	616,051	N/A	547,476	N/A	488,582	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Mixed Cutaneous Lupus Erythematosus		Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider		Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>								
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>								
Had any cohort-defining claim during the query period	78,596	289,433,566	383,511	289,128,651	356,763	289,155,399	326,796	289,185,366
<b>Cohort episodes with a valid index date</b>								
Total number of claims with cohort-identifying codes during the query period	286,670	N/A	2,061,970	N/A	1,811,417	N/A	1,588,925	N/A
Claim recorded during specified age range	286,670	0	*****	*****	*****	*****	*****	*****
Episode defining index claim recorded during the query period	286,670	0	*****	0	*****	0	*****	0
<b>Cohort episodes with required pre-index history</b>								
Had sufficient pre-index continuous enrollment	276,546	10,124	1,989,503	*****	1,750,732	*****	1,535,049	*****
Met inclusion and exclusion criteria <sup>3</sup>	113,861	162,685	424,350	1,565,153	383,970	1,366,762	344,890	1,190,159
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	N/A	N/A	1,565,153	N/A	1,366,762	N/A	1,190,159

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Mixed Cutaneous Lupus Erythematosus		Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider		Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	N/A	N/A	1,565,153	N/A	1,366,762	N/A	1,190,159
<b>Cohort episodes with required pre-index history</b>								
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	N/A	N/A	1,565,153	N/A	1,366,762	N/A	1,190,159
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	N/A	N/A	1,565,153	N/A	1,366,762	N/A	1,190,159
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	N/A	N/A	1,565,153	N/A	1,366,762	N/A	1,190,159
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	N/A	N/A	1,565,153	N/A	1,366,762	N/A	1,190,159
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	162,685	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE in all available data before and after index</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Had sufficient post-index continuous enrollment	113,861	0	424,350	0	383,970	0	344,890	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Discoid Lupus Erythematosus Precedes Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Mixed Cutaneous Lupus Erythematosus		Patients with Mixed Cutaneous Lupus Erythematosus Coded by Any Known Provider		Patients with Mixed Cutaneous Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>								
Number of members	30,525	N/A	56,498	N/A	54,432	N/A	51,712	N/A
Number of episodes	113,861	N/A	424,350	N/A	383,970	N/A	344,890	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Chilblains with evidence of Systemic Lupus Erythematosus		Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>						
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>						
Had any cohort-defining claim during the query period	120,741	289,391,421	67,516	289,444,646	64,611	289,447,551
<b>Cohort episodes with a valid index date</b>						
Total number of claims with cohort-identifying codes during the query period	488,234	N/A	130,021	N/A	121,778	N/A
Claim recorded during specified age range	488,234	0	130,021	0	121,778	0
Episode defining index claim recorded during the query period	488,234	0	130,021	0	121,778	0
<b>Cohort episodes with required pre-index history</b>						
Had sufficient pre-index continuous enrollment	472,635	15,599	124,727	5,294	117,004	4,774
Met inclusion and exclusion criteria <sup>3</sup>	143,253	329,382	9,172	115,555	8,534	108,470
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	329,382	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	329,382	N/A	N/A	N/A	N/A
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	329,382	N/A	N/A	N/A	N/A

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Chilblains with evidence of Systemic Lupus Erythematosus		Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	329,382	N/A	N/A	N/A	N/A
<b>Cohort episodes with required pre-index history</b>						
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	329,382	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	329,382	N/A	N/A	N/A	N/A
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	N/A	N/A	N/A	N/A	N/A
<i>No evidence of SLE in all available data before and after index</i>	N/A	N/A	N/A	115,555	N/A	108,470
Had sufficient post-index continuous enrollment	143,253	0	9,172	0	8,534	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Mixed Cutaneous Lupus Erythematosus Coded by a Dermatologist or Rheumatologist		Patients with Chilblains with evidence of Systemic Lupus Erythematosus		Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Any Known Provider	
	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>						
Number of members	31,012	N/A	2,821	N/A	2,715	N/A
Number of episodes	143,253	N/A	9,172	N/A	8,534	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist	
	Remaining	Excluded	Remaining	Excluded
<b>Members meeting enrollment and demographic requirements</b>				
Enrolled at any point during the query period	304,643,334	N/A	304,643,334	N/A
Had required coverage type (medical and/or drug coverage)	289,666,840	14,976,494	289,666,840	14,976,494
Enrolled during specified age range	289,631,404	35,436	289,631,404	35,436
Had requestable medical charts	289,631,404	0	289,631,404	0
Met demographic requirements (sex, race, and Hispanic origin)	289,512,162	119,242	289,512,162	119,242
<b>Members with a valid index event</b>				
Had any cohort-defining claim during the query period	60,459	289,451,703	24,966	289,487,196
<b>Cohort episodes with a valid index date</b>				
Total number of claims with cohort-identifying codes during the query period	112,214	N/A	44,612	N/A
Claim recorded during specified age range	112,214	0	44,612	0
Episode defining index claim recorded during the query period	112,214	0	44,612	0
<b>Cohort episodes with required pre-index history</b>				
Had sufficient pre-index continuous enrollment	107,816	4,398	42,988	1,624
Met inclusion and exclusion criteria <sup>3</sup>	7,875	99,941	5,134	37,854
<i>Evidence of systemic manifestations of SLE or Drug-induced SLE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of DLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of SCLE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of SCLE on index and Other LE on or after index</i>	N/A	N/A	N/A	N/A

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist	
	Remaining	Excluded	Remaining	Excluded
<b>Cohort episodes with required pre-index history</b>				
<i>No evidence of Other LE on index and DLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of Other LE on index and SCLE on or after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of DLE, SCLE, or Other LE in all available history through 365 days after index</i>	N/A	N/A	N/A	N/A
<i>No evidence of SLE starting one year after index through all available data</i>	N/A	N/A	N/A	N/A
<i>No evidence of SLE in all available data before and after index</i>	N/A	99,941	N/A	37,854
Had sufficient post-index continuous enrollment	7,875	0	5,134	0

**Table 9. Summary of Episode-Level<sup>1</sup> Cohort<sup>2</sup> Attrition in the Sentinel Distributed Database from January 1, 2017 to July 31, 2024**

	Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by Provider with Known Specialty (Excluding Unknown Specialty)		Patients with Chilblains with evidence of Systemic Lupus Erythematosus Coded by a Dermatologist or Rheumatologist	
	Remaining	Excluded	Remaining	Excluded
<b>Final cohort</b>				
Number of members	2,573	N/A	1,823	N/A
Number of episodes	7,875	N/A	5,134	N/A

<sup>1</sup>Cohorts are formed by first evaluating enrollment and demographic requirements as well as index events among members, then evaluating index dates, pre-index history, and post-index follow-up among episodes. Because of this, the number remaining often increases from the member- to episode-level steps.

<sup>2</sup>-Discoid lupus erythematosus (DLE), defined by ICD-10 code L93.0.

-Subacute cutaneous lupus erythematosus (SCLE), defined by ICD-10 code L93.1.

-Other lupus erythematosus, defined by ICD-10 code L93.2.

-Systemic lupus erythematosus (SLE) without systemic symptoms, defined as having evidence of M32.9 (SLE) on the index day, with no evidence of M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (drug-induced SLE) from all available history up to 365 days after the index day, alongside evidence of SCLE (L93.1), other LE (L93.2), or DLE (L93.0) within all available data before or after the index day within 365 days.

-Co-occurrence of SLE and DLE, defined as L93.0 (DLE) preceding M32.9 (SLE) with a lag of more than 1 year.

-Mixed CLE, defined as indexing on any of L93.0 (DLE), L93.1 (SCLE), or L93.2 (other LE), with at least one of the other codes appearing on the index date or any time after the index.

-Chilblains with evidence of Systemic Lupus Erythematosus, defined as having evidence of T69.1 (chilblains) on the index day, alongside evidence of SLE (M32.9) at any time before or after the index day.

-We also included cohorts with the indexing event ICD-10 code was recorded by any known provider ID, or the indexing event ICD-10 code was recorded by a known provider whose specialty is known, that is, provider specialty of "unknown" will be excluded, or the indexing event ICD-10 code was recorded by a dermatologist or rheumatologist. Please see the list of provider ID in Appendix C, D, and E.

<sup>3</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Note: Data Partners populate the Provider table and specialist data. However, provider specialty data may not always be available for all diagnosis codes, and some records may lack an associated provider ID. This may occur due to unregistered providers, out-of-area providers, or other data limitations. The completeness of diagnosis codes linked to provider and specialty data varies by data partner.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (March 7th, 2025)**

Masked DP ID	DP Start Date	DP End Date <sup>1</sup>
DP01	01/01/2005	07/31/2022
DP02	01/01/2000	01/31/2024
DP03	01/01/2014	12/31/2021
DP04	01/01/2000	04/30/2024
DP05	01/01/2006	07/31/2024
DP06	01/01/2008	04/30/2024
DP07	01/01/2000	01/31/2024
DP08	01/01/2000	04/30/2024
DP09	01/01/2004	03/31/2024
DP10	01/01/2000	04/30/2024
DP11	01/01/2007	06/30/2024
DP12	01/01/2010	12/31/2023

<sup>1</sup>End Date represents the earliest of: (1) query end date, or (2) last day of the most recent month for which all of a Data Partner's data tables (enrollment, dispensing, etc.) have at least 80% of the record count relative to the prior month.

**Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Index Events and Inclusion Requirements in this Request**

Code	Description	Code Category	Code Type
<b>Discoid lupus erythematosus</b>			
L93.0	Discoid lupus erythematosus	Diagnosis	ICD-10-CM
<b>Subacute cutaneous lupus erythematosus</b>			
L93.1	Subacute cutaneous lupus erythematosus	Diagnosis	ICD-10-CM
<b>Other lupus erythematosus</b>			
L93.2	Other local lupus erythematosus	Diagnosis	ICD-10-CM
<b>Systemic lupus erythematosus</b>			
M32.9	Systemic lupus erythematosus, unspecified	Diagnosis	ICD-10-CM
<b>Systematic systemic lupus erythematosus</b>			
M32.1	Systemic lupus erythematosus with organ or system involvement	Diagnosis	ICD-10-CM
M32.10	Systemic lupus erythematosus, organ or system involvement unspecified	Diagnosis	ICD-10-CM
M32.11	Endocarditis in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.12	Pericarditis in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.13	Lung involvement in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.14	Glomerular disease in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus	Diagnosis	ICD-10-CM
M32.19	Other organ or system involvement in systemic lupus erythematosus	Diagnosis	ICD-10-CM
<b>Drug-induced systemic lupus erythematosus</b>			
M32.0	Drug-induced systemic lupus erythematosus	Diagnosis	ICD-10-CM
<b>Chilblains</b>			
T69.1	Chilblains	Diagnosis	ICD-10-CM
T69.1XXA	Chilblains initial encounter	Diagnosis	ICD-10-CM
T69.1XXD	Chilblains subsequent encounter	Diagnosis	ICD-10-CM
T69.1XXS	Chilblains sequela	Diagnosis	ICD-10-CM

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code "99"**

Specialty Code	Description
1	Physician/General Practice
2	Physician/General Surgery
3	Physician/Allergy/Immunology
4	Physician/Otolaryngology
5	Physician/Anesthesiology
6	Physician/Cardiovascular Disease (Cardiology)
7	Physician/Dermatology
8	Physician/Family Practice
9	Physician/Interventional Pain Management
10	Physician/Gastroenterology
11	Physician/Internal Medicine
12	Physician/Osteopathic Manipulative Medicine
13	Physician/Neurology
14	Physician/Neurosurgery
15	Speech Language Pathologist
16	Physician/Obstetrics & Gynecology
17	Physician/Hospice and Palliative Care
18	Physician/Ophthalmology
19	Oral Surgery (Dentist only)
20	Physician/Orthopedic Surgery
21	Clinical Cardiac Electrophysiology
22	Physician/Pathology
23	Physician/Sports Medicine
24	Physician/Plastic and Reconstructive Surgery
25	Physician/Physical Medicine and Rehabilitation
26	Physician/Psychiatry
27	Physician/Geriatric Psychiatry
28	Physician/Colorectal Surgery (Proctology)
29	Physician/Pulmonary Disease
30	Physician/Diagnostic Radiology
32	Anesthesiology Assistant
33	Physician/Thoracic Surgery
34	Physician/Urology
35	Chiropractic
36	Physician/Nuclear Medicine
37	Physician/Pediatric Medicine
38	Physician/Geriatric Medicine
39	Physician/Nephrology
40	Physician/Hand Surgery
41	Optometry
42	Certified Nurse Midwife
43	Certified Registered Nurse Anesthetist (CRNA)
44	Physician/Infectious Disease

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
46	Physician/Endocrinology
48	Podiatry
50	Nurse Practitioner
55	Individual Certified Orthotist
56	Individual Certified Prosthetist
57	Individual Certified Prosthetist-Orthotist
62	Psychologist, Clinical
64	Audiologist
65	Physical Therapist in Private Practice
66	Physician/Rheumatology
67	Occupational Therapist in Private Practice
71	Registered Dietitian or Nutrition Professional
72	Physician/Pain Management
76	Physician/Peripheral Vascular Disease
77	Physician/Vascular Surgery
78	Physician/Cardiac Surgery
79	Physician/Addiction Medicine
80	Licensed Clinical Social Worker
81	Physician/Critical Care (Intensivists)
82	Physician/Hematology
83	Physician/Hematology-Oncology
84	Physician/Preventive Medicine
85	Physician/Maxillofacial Surgery
86	Physician/Neuropsychiatry
89	Certified Clinical Nurse Specialist
90	Physician/Medical Oncology
91	Physician/Surgical Oncology
92	Physician/Radiation Oncology
93	Physician/Emergency Medicine
94	Physician/Interventional Radiology
96	Optician
97	Physician Assistant
98	Physician/Gynecological Oncology
99	Undefined/Unknown provider type
B2	Pedorthic personnel
C0	Physician/Sleep Medicine
C3	Physician/Interventional Cardiology
C5	Dentist
C6	Physician/Hospitalist
C7	Physician/Advanced Heart Failure and Transplant Cardiology
C8	Physician/Medical Toxicology
C9	Hematopoietic Cell Transplantation and Cellular Therapy
103T00000X	Behavioral Health & Social Service Providers/Psychologist

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
103TA0400X	Behavioral Health & Social Service Providers/Psychologist, Addiction (Substance Abuse Disorder)
103TA0700X	Behavioral Health & Social Service Providers/Psychologist, Adult Development & Aging
103TB0200X	Behavioral Health & Social Service Providers/Psychologist, Cognitive & Behavioral
103TC0700X	Behavioral Health & Social Service Providers/Psychologist, Clinical
103TC1900X	Behavioral Health & Social Service Providers/Psychologist, Counseling
103TC2200X	Behavioral Health & Social Service Providers/Psychologist, Clinical Child & Adolescent
103TE1000X	Behavioral Health & Social Service Providers/Psychologist, Educational
103TE1100X	Behavioral Health & Social Service Providers/Psychologist, Exercise & Sports
103TF0000X	Behavioral Health & Social Service Providers/Psychologist, Family
103TF0200X	Behavioral Health & Social Service Providers/Psychologist, Forensic
103TH0004X	Behavioral Health & Social Service Providers/Psychologist, Health
103TH0100X	Behavioral Health & Social Service Providers/Psychologist, Health Service
103TM1700X	Behavioral Health & Social Service Providers/Psychologist, Men & Masculinity
103TM1800X	Behavioral Health & Social Service Providers/Psychologist, Mental Retardation & Developmental Disabilities
103TP0016X	Behavioral Health & Social Service Providers/Psychologist, Prescribing (Medical)
103TP0814X	Behavioral Health & Social Service Providers/Psychologist, Psychoanalysis
103TP2700X	Behavioral Health & Social Service Providers/Psychologist, Psychotherapy
103TP2701X	Behavioral Health & Social Service Providers/Psychologist, Group Psychotherapy
103TR0400X	Behavioral Health & Social Service Providers/Psychologist, Rehabilitation
103TS0200X	Behavioral Health & Social Service Providers/Psychologist, School
103TW0100X	Behavioral Health & Social Service Providers/Psychologist, Women
106E00000X	Behavioral Health & Social Service Providers/Assistant Behavior Analyst
106S00000X	Behavioral Health & Social Service Providers/Technician
111N00000X	Chiropractic Providers/Chiropractor
111NI0013X	Chiropractic Providers/Chiropractor, Independent Medical Examiner
111NI0900X	Chiropractic Providers/Chiropractor, Internist
111NN0400X	Chiropractic Providers/Chiropractor, Neurology
111NN1001X	Chiropractic Providers/Chiropractor, Nutrition
111NP0017X	Chiropractic Providers/Chiropractor, Pediatric Chiropractor
111NR0200X	Chiropractic Providers/Chiropractor, Radiology
111NR0400X	Chiropractic Providers/Chiropractor, Rehabilitation
111NS0005X	Chiropractic Providers/Chiropractor, Sports Physician
111NT0100X	Chiropractic Providers/Chiropractor, Thermography
111NX0100X	Chiropractic Providers/Chiropractor, Occupational Medicine
111NX0800X	Chiropractic Providers/Chiropractor, Orthopedic
1223S0112X	Allopathic & Osteopathic Physicians/Ophthalmology, Dental Providers/Dentist, Oral & Maxillofacial Surgery
133V00000X	Dietary & Nutritional Service Providers/Dietician, Registered
133VN1004X	Dietary & Nutritional Service Providers/Dietician, Registered, Nutrition, Pediatric
133VN1005X	Dietary & Nutritional Service Providers/Dietician, Registered, Nutrition, Renal
133VN1006X	Dietary & Nutritional Service Providers/Dietician, Registered, Nutrition, Metabolic
152W00000X	Eye and Vision Service Providers/Optomist

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
152WC0802X	Eye and Vision Service Providers/Optomtrist, Corneal and Contact Management
152WL0500X	Eye and Vision Service Providers/Optomtrist, Low Vision Rehabilitation
152WP0200X	Eye and Vision Service Providers/Optomtrist, Pediatrics
152WS0006X	Eye and Vision Service Providers/Optomtrist, Sports Vision
152WV0400X	Eye and Vision Service Providers/Optomtrist, Vision Therapy
152WX0102X	Eye and Vision Service Providers/Optomtrist, Occupational Vision
204C00000X	Allopathic & Osteopathic Physicians/Neuromusculoskeletal Medicine, Sports Medicine
204D00000X	Allopathic & Osteopathic Physicians/Neuromusculoskeletal Medicine & OMM
204E00000X	Allopathic & Osteopathic Physicians/Oral & Maxillofacial Surgery
204F00000X	Allopathic & Osteopathic Physicians/Transplant Surgery
207K00000X	Allopathic & Osteopathic Physicians/Allergy and Immunology
207KA0200X	Allopathic & Osteopathic Physicians/Allergy and Immunology/Allergy
207KI0005X	Allopathic & Osteopathic Physicians/Allergy and Immunology/Clinical & Laboratory Immunology
207L00000X	Allopathic & Osteopathic Physicians/Anesthesiology, Addiction Medicine
207LA0401X	Allopathic & Osteopathic Physicians/Anesthesiology/Addiction Medicine
207LC0200X	Allopathic & Osteopathic Physicians/Anesthesiology/Critical Care Medicine
207LH0002X	Allopathic & Osteopathic Physicians/Anesthesiology/Hospice and Palliative Medicine
207LP2900X	Allopathic & Osteopathic Physicians/Anesthesiology/Pain Medicine
207LP3000X	Allopathic & Osteopathic Physicians/Anesthesiology/Pediatric Anesthesiology
207N00000X	Allopathic & Osteopathic Physicians/Dermatology
207ND0101X	Allopathic & Osteopathic Physicians/Dermatology, MOHS-Micrographic Surgery
207ND0900X	Allopathic & Osteopathic Physicians/Dermatology, Dermapathology
207NI0002X	Allopathic & Osteopathic Physicians/Dermatology, Clinical & Laboratory Dermatological Immunology
207NP0225X	Allopathic & Osteopathic Physicians/Dermatology, Pediatric Dermatology
207NS0135X	Allopathic & Osteopathic Physicians/Dermatology, Procedural Dermatology
207PH0002X	Allopathic & Osteopathic Physicians/Emergency Medicine, Hospice and Palliative Medicine
207PS0010X	Allopathic & Osteopathic Physicians/Emergency Medicine, Sports Medicine
207Q00000X	Allopathic & Osteopathic Physicians/Family Medicine
207QA0000X	Allopathic & Osteopathic Physicians/Family Medicine, Adolescent Medicine
207QA0401X	Allopathic & Osteopathic Physicians/Family Medicine, Addiction Medicine
207QA0505X	Allopathic & Osteopathic Physicians/Family Medicine, Adult Medicine
207QB0002X	Allopathic & Osteopathic Physicians/Family Medicine, Bariatric Medicine
207QG0300X	Allopathic & Osteopathic Physicians/Family Medicine, Geriatric Medicine
207QH0002X	Allopathic & Osteopathic Physicians/Family Medicine, Hospice and Palliative Medicine
207QS0010X	Allopathic & Osteopathic Physicians/Family Medicine, Sports Medicine
207QS1201X	Allopathic & Osteopathic Physicians/Family Medicine, Sleep Medicine
207R00000X	Allopathic & Osteopathic Physicians/Internal Medicine
207RA0000X	Allopathic & Osteopathic Physicians/Internal Medicine, Adolescent Medicine
207RA0001X	Allopathic & Osteopathic Physicians/Advanced Heart Failure and Transplant Cardiology
207RA0201X	Allopathic & Osteopathic Physicians/Internal Medicine, Allergy & Immunology
207RA0401X	Allopathic & Osteopathic Physicians/Internal Medicine, Addiction Medicine
207RB0002X	Allopathic & Osteopathic Physicians/Internal Medicine, Bariatric Medicine
207RC0000X	Allopathic & Osteopathic Physicians/Internal Medicine, Cardiovascular Disease

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
207RC0001X	Allopathic & Osteopathic Physicians/Internal Medicine, Clinical Cardiac Electrophysiology
207RC0200X	Allopathic & Osteopathic Physicians/Internal Medicine, Critical Care Medicine
207RE0101X	Allopathic & Osteopathic Physicians/Internal Medicine, Endocrinology, Diabetes & Metabolism
207RG0100X	Allopathic & Osteopathic Physicians/Internal Medicine, Gastroenterology
207RG0300X	Allopathic & Osteopathic Physicians/Internal Medicine, Geriatric Medicine
207RH0000X	Allopathic & Osteopathic Physicians/Internal Medicine, Hematology
207RH0002X	Allopathic & Osteopathic Physicians/Internal Medicine, Hospice and Palliative Medicine
207RH0003X	Allopathic & Osteopathic Physicians/Internal Medicine, Hematology & Oncology
207RI0001X	Allopathic & Osteopathic Physicians/Internal Medicine, Clinical & Laboratory Immunology
207RI0008X	Allopathic & Osteopathic Physicians/Internal Medicine, Hepatology
207RI0200X	Allopathic & Osteopathic Physicians/Internal Medicine, Infectious Disease
207RM1200X	Allopathic & Osteopathic Physicians/Internal Medicine, Magnetic Resonance Imaging (MRI)
207RN0300X	Allopathic & Osteopathic Physicians/Internal Medicine, Nephrology
207RP1001X	Allopathic & Osteopathic Physicians/Internal Medicine, Pulmonary Disease
207RR0500X	Allopathic & Osteopathic Physicians/Internal Medicine, Rheumatology
207RS0010X	Allopathic & Osteopathic Physicians/Internal Medicine, Sports Medicine
207RS0012X	Allopathic & Osteopathic Physicians/Internal Medicine, Sleep Medicine
207RT0003X	Allopathic & Osteopathic Physicians/Internal Medicine, Transplant Hepatology
207RX0202X	Allopathic & Osteopathic Physicians/Internal Medicine, Medical Oncology
207T00000X	Allopathic & Osteopathic Physicians/Neurological Surgery
207U00000X	Allopathic & Osteopathic Physicians/Nuclear Medicine
207UN0901X	Allopathic & Osteopathic Physicians/Nuclear Medicine, Nuclear Cardiology
207UN0902X	Allopathic & Osteopathic Physicians/Nuclear Medicine, Nuclear Imaging & Therapy
207UN0903X	Allopathic & Osteopathic Physicians/Nuclear Medicine, In Vivo & In Vitro Nuclear Medicine
207V00000X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology
207VB0002X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Bariatric Medicine
207VC0200X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Critical Care Medicine
207VE0102X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Reproductive Endocrinology
207VF0040X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Female Pelvic Medicine and Reconstructive Surgery
207VG0400X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Gynecology
207VH0002X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Hospice and Palliative Medicine
207VM0101X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Maternal & Fetal Medicine
207VX0000X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Obstetrics
207VX0201X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Gynecologic Oncology
207W00000X	Allopathic & Osteopathic Physicians/Ophthalmology
207WX0009X	Allopathic & Osteopathic Physicians/Ophthalmology, Glaucoma Specialist
207WX0107X	Allopathic & Osteopathic Physicians/Ophthalmology, Retina Specialist
207WX0108X	Allopathic & Osteopathic Physicians/Ophthalmology, Uveitis and Ocular Inflammatory Disease
207WX0109X	Allopathic & Osteopathic Physicians/Ophthalmology/Neuro-ophthalmology
207WX0110X	Allopathic & Osteopathic Physicians/Ophthalmology/Pediatric Ophthalmology and Strabismus Specialist
207WX0120X	Allopathic & Osteopathic Physicians/Ophthalmology, Cornea and External Diseases Specialist

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
207WX0200X	Allopathic & Osteopathic Physicians/Ophthalmic Plastic and Reconstructive Surgery
207X00000X	Allopathic & Osteopathic Physicians/Orthopedic Surgery
207XP3100X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Pediatric Orthopedic Surgery
207XS0106X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Hand Surgery
207XS0114X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Adult Reconstructive Orthopedic Surgery
207XS0117X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Orthopedic Surgery of the Spine
207XX0004X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Foot and Ankle Surgery
207XX0005X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Sports Medicine
207XX0801X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Orthopedic Trauma
207Y00000X	Allopathic & Osteopathic Physicians/ Otolaryngology
207YP0228X	Allopathic & Osteopathic Physicians/Otolaryngology/Pediatric Otolaryngology
207YS0012X	Allopathic & Osteopathic Physicians/Otolaryngology/Sleep Medicine
207YS0123X	Allopathic & Osteopathic Physicians/ Otolaryngology/Facial Plastic Surgery
207YX0007X	Allopathic & Osteopathic Physicians/Otolaryngology/Plastic Surgery within the Head & Neck
207YX0602X	Allopathic & Osteopathic Physicians/Otolaryngology/Otolaryngic Allergy
207YX0901X	Allopathic & Osteopathic Physicians/Otolaryngology/Otology &Neurotology
207YX0905X	Allopathic & Osteopathic Physicians/Otolaryngology/Otolaryngology/Facial Plastic Surgery
207ZB0001X	Allopathic & Osteopathic Physicians/Pathology, Blood Banking & Transfusion Medicine
207ZC0006X	Allopathic & Osteopathic Physicians/Pathology, Clinical Pathology
207ZC0500X	Allopathic & Osteopathic Physicians/Pathology, Cytopathology
207ZD0900X	Allopathic & Osteopathic Physicians/Pathology, Dermopathology
207ZF0201X	Allopathic & Osteopathic Physicians/Pathology, Forensic Pathology
207ZH0000X	Allopathic & Osteopathic Physicians/Pathology, Hematology
207ZI0100X	Allopathic & Osteopathic Physicians/Pathology, Immunopathology
207ZM0300X	Allopathic & Osteopathic Physicians/Pathology, Medical Microbiology
207ZN0500X	Allopathic & Osteopathic Physicians/Pathology, Neuropathology
207ZP0007X	Allopathic & Osteopathic Physicians/Pathology, Molecular Genetic Pathology
207ZP0101X	Allopathic & Osteopathic Physicians/Pathology, Anatomic Pathology
207ZP0102X	Allopathic & Osteopathic Physicians/Pathology, Anatomic Pathology & Clinical Pathology
207ZP0104X	Allopathic & Osteopathic Physicians/Pathology, Chemical Pathology
207ZP0105X	Allopathic & Osteopathic Physicians/Pathology, Clinical Pathology/Laboratory Medicine
207ZP0213X	Allopathic & Osteopathic Physicians/Pathology, Pediatric Pathology
208000000X	Allopathic & Osteopathic Physicians/Pediatrics
2080A0000X	Allopathic & Osteopathic Physicians/Pediatrics, Adolescent Medicine
2080H0002X	Allopathic & Osteopathic Physicians/Pediatrics, Hospice and Palliative Medicine
2080I0007X	Allopathic & Osteopathic Physicians/Pediatrics, Clinical & Laboratory Immunology
2080N0001X	Allopathic & Osteopathic Physicians/Pediatrics, Neonatal-Perinatal Medicine
2080P0006X	Allopathic & Osteopathic Physicians/Pediatrics, Developmental Behavioral Pediatrics
2080P0008X	Allopathic & Osteopathic Physicians/Pediatrics, Neurodevelopmental Disabilities
2080P0201X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Allergy & Immunology
2080P0202X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Cardiology
2080P0203X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Critical Care Medicine
2080P0204X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Emergency Medicine

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
2080P0205X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Endocrinology
2080P0206X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Gastroenterology
2080P0207X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Hematology-Oncology
2080P0208X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Infectious Diseases
2080P0210X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Nephrology
2080P0214X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Pulmonology
2080P0216X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Rheumatology
2080S0010X	Allopathic & Osteopathic Physicians/Pediatrics, Sports Medicine
2080S0012X	Allopathic & Osteopathic Physicians/Pediatrics, Sleep Medicine
2080T0002X	Allopathic & Osteopathic Physicians/Pediatrics, Medical Toxicology
2080T0004X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Transplant Hepatology
208100000X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation
2081H0002X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Hospice and Palliative Medicine
2081N0008X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Neuromuscular Medicine
2081P0004X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Spinal Cord Injury Medicine
2081P0010X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Pediatric Rehabilitation Medicine
2081P0301X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Brain Injury
2081P2900X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Pain Medicine
2081S0010X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Sports Medicine
208200000X	Allopathic & Osteopathic Physicians/Plastic Surgery
2082S0099X	Allopathic & Osteopathic Physicians/Plastic Surgery, Plastic Surgery Within the Head and Neck
2082S0105X	Allopathic & Osteopathic Physicians/Plastic Surgery, Surgery of the Hand
2083S0010X	Allopathic & Osteopathic Physicians/Preventive Medicine, Sports Medicine
2084A2900X	Allopathic & Osteopathic Physicians/Psychiatry & Neurology/Neurocritical Care
2084H0002X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Hospice & Palliative Medicine
2084N0400X	Allopathic & Osteopathic Physicians/Psychiatry and Neurology, Neurology
2084N0402X	Allopathic & Osteopathic Physicians/Psychiatry and Neurology, Neurology with Special Qualifications in Child Neurology
2084P0301X	Allopathic & Osteopathic Physicians/Psychiatry & Neurology/Respiratory, Developmental, Rehabilitative and Restorative Service, Brain Injury Medicine
2084P0800X	Allopathic & Osteopathic Physicians/Psychiatry
2084S0010X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Sports Medicine
2085R0202X	Allopathic & Osteopathic Physicians/Radiology, Diagnostic Radiology
208600000X	Allopathic & Osteopathic Physicians/Surgery
2086H0002X	Allopathic & Osteopathic Physicians/Surgery/Hospice and Palliative Medicine, General Surgery
2086S0102X	Allopathic & Osteopathic Physicians/Surgery/Surgical Critical Care
2086S0105X	Allopathic & Osteopathic Physicians/Surgery, Surgery of the Hand
2086S0120X	Allopathic & Osteopathic Physicians/Surgery/Pediatric Surgery
2086S0122X	Allopathic & Osteopathic Physicians/Surgery/Plastic and Reconstructive Surgery
2086S0127X	Allopathic & Osteopathic Physicians/Surgery/Trauma Surgery

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
2086S0129X	Allopathic & Osteopathic Physicians/Surgery/Vascular Surgery
2086X0206X	Allopathic & Osteopathic Physicians/Surgery/Surgical Oncology
208800000X	Allopathic & Osteopathic Physicians/Urology
2088F0040X	Female Pelvic Medicine & Reconstructive Surgery
2088P0231X	Allopathic & Osteopathic Physicians/Urology, Pediatric Urology
208C00000X	Allopathic & Osteopathic Physicians/Colon & Rectal Surgery
208D00000X	Allopathic & Osteopathic Physicians/General Practice
208G00000X	Allopathic & Osteopathic Physicians/Thoracic Surgery (Cardiothoracic Vascular Surgery)
208VP0000X	Allopathic & Osteopathic Physicians/Pain Medicine, Pain Medicine
208VP0014X	Allopathic & Osteopathic Physicians/Pain Medicine, Interventional Pain Medicine
213E00000X	Podiatric Medicine & Surgery Service Providers/Podiatrist
213EG0000X	Podiatric Medicine & Surgery Service Providers/Podiatrist, General Practice
213EP0504X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Public Medicine
213EP1101X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Primary Podiatric Medicine
213ER0200X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Radiology
213ES0000X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Sports Medicine
213ES0103X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Foot & Ankle Surgery
213ES0131X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Foot Surgery
222Z00000X	Respiratory, Developmental, Rehabilitative, and Restorative Service Providers/Orthotist
224P00000X	Respiratory, Developmental, Rehabilitative, and Restorative Service Providers/Prosthetist
225100000X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist
2251C2600X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Cardiopulmonary
2251E1200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Ergonomics
2251E1300X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Electrophysiology, Clinical
2251G0304X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Geriatrics
2251H1200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Hand
2251H1300X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Human Factors
2251N0400X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Neurology
2251P0200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Pediatrics
2251S0007X	Respiratory, Rehabilitative & Restorative Service Providers/Physical Therapist, Sports
2251X0800X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Orthopedic
225X00000X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist
225XE0001X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist,

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
	Environmental Modification
225XE1200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Ergonomics
225XF0002X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Feeding, Eating & Swallowing
225XG0600X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Gerontology
225XH1200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Hand
225XH1300X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Human Factors
225XL0004X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Low Vision
225XM0800X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Mental Health
225XN1300X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Neurorehabilitation
225XP0019X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Physical Rehabilitation
225XP0200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Pediatrics
225XR0403X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Driving and Community Mobility
231H00000X	Speech, Language and Hearing Service Providers/Audiologist
231HA2400X	Speech, Language and Hearing Service Providers/Audiologist, Assistive Technology Practitioner
235Z00000X	Speech, Language and Hearing Service Providers
363L00000X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner
363LA2100X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Acute Care
363LA2200X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Adult Health
363LC0200X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Critical Care Medicine
363LC1500X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Community Health
363LF0000X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Family
363LG0600X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Gerontology
363LN0000X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Neonatal
363LN0005X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Neonatal, Critical Care
363LP0200X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Pediatrics
363LP0222X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Pediatrics, Critical Care

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
363LP0808X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Psychiatric/Mental Health
363LP1700X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Perinatal
363LP2300X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Primary Care
363LS0200X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, School
363LW0102X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Women's Health
363LX0001X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Obstetrics & Gynecology
363LX0106X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Occupational Health
367500000X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Anesthetist, Certified Registered
367A00000X	Physician Assistants & Advanced Practice Nursing Providers/Midwife, Certified Nurse
367H00000X	Physician Assistants & Advanced Practice Nursing Providers/Anesthesiologist Assistant
156FX1800X	Eye & Vision Service Providers/Technician/Technologist, Optician
1041C0700X	Behavioral Health & Social Service Providers/Social Worker, Clinical
122300000X	Allopathic & Osteopathic Physicians/Ophthalmology, Dental Providers/Dentist
207P00000X	Allopathic & Osteopathic Physicians/Emergency Medicine
207PE0004X	Allopathic & Osteopathic Physicians/Emergency Medicine, Emergency Medical Services
207PE0005X	Allopathic & Osteopathic Physicians/Emergency Medicine, Undersea and Hyperbaric Medicine
207PP0204X	Allopathic & Osteopathic Physicians/Emergency Medicine, Pediatric Emergency Medicine
207PT0002X	Allopathic & Osteopathic Physicians/Emergency Medicine, Medical Toxicology
207RI0011X	Allopathic & Osteopathic Physicians/Internal Medicine, Interventional Cardiology
2083A0100X	Allopathic & Osteopathic Physicians/Preventive Medicine, Aerospace Medicine
2083P0011X	Allopathic & Osteopathic Physicians/Preventive Medicine, Undersea and Hyperbaric Medicine
2083P0500X	Allopathic & Osteopathic Physicians/Preventive Medicine, Preventive Medicine/Occupational Environmental Medicine
2083P0901X	Allopathic & Osteopathic Physicians/Preventive Medicine, Public Health & General Preventive Medicine
2083X0100X	Allopathic & Osteopathic Physicians/Preventive Medicine, Occupational Medicine
2084A0401X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology
2083T0002X	Allopathic & Osteopathic Physicians/Preventive Medicine, Medical Toxicology
2084B0002X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Bariatric Medicine
2084D0003X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Diagnostic Neuroimaging
2084F0202X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Forensic Psychiatry
2084N0008X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Neuromuscular Medicine
2084N0600X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Clinical Neurophysiology
2084P0005X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Neurodevelopmental Disabilities
2084P0015X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Psychosomatic Medicine
2084P0802X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Addiction Psychiatry
2084P0804X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Child & Adolescent Psychiatry
2084P0805X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Geriatric Psychiatry
2084P2900X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Pain Medicine
2084S0012X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Sleep Medicine

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
2084V0102X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Vascular Neurology
2085H0002X	Hospice & Palliative Medicine
2085R0001X	Allopathic & Osteopathic Physicians/Radiology, Radiation Oncology
2085R0204X	Allopathic & Osteopathic Physicians/Radiology, Vascular and Interventional Radiology
208M00000X	Allopathic & Osteopathic Physicians/Hospitalist
247200000X	Technologists, Technicians & Other Technical Service Providers/Technician, Other
363A00000X	Physician Assistants & Advanced Practice Nursing Providers/Physician Assistant
363AM0700X	Physician Assistants & Advanced Practice Nursing Providers/Physician Assistant, Medical
363AS0400X	Physician Assistants & Advanced Practice Nursing Providers/Physician Assistant, Surgical
364S00000X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist
364SA2100X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Acute Care
364SA2200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Adult Health
364SC0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Critical Care Medicine
364SC1501X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Community Health/Public Health
364SC2300X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Chronic Care
364SE0003X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Emergency
364SE1400X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Ethics
364SF0001X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Family Health
364SG0600X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Gerontology
364SH0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Home Health
364SH1100X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Holistic
364SI0800X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Informatics
364SL0600X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Long-term Care
364SM0705X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Medical-Surgical
364SN0000X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Neonatal
364SN0800X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Neuroscience
364SP0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Pediatrics
364SP0807X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Child & Adolescent
364SP0808X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health
364SP0809X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Adult
364SP0810X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Child & Family

**Appendix C. Specialty Visit Codes for Any Specialist, Including Code “99”**

Specialty Code	Description
364SP0811X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Chronically Ill
364SP0812X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Community
364SP0813X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Geropsychiatric
364SP1700X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Perinatal
364SP2800X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Perioperative
364SR0400X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Rehabilitation
364SS0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, School
364ST0500X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Transplantation
364SW0102X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Women's Health
364SX0106X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Occupational Health
364SX0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Oncology
364SX0204X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Oncology, Pediatrics

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
1	Physician/General Practice
2	Physician/General Surgery
3	Physician/Allergy/Immunology
4	Physician/Otolaryngology
5	Physician/Anesthesiology
6	Physician/Cardiovascular Disease (Cardiology)
7	Physician/Dermatology
8	Physician/Family Practice
9	Physician/Interventional Pain Management
10	Physician/Gastroenterology
11	Physician/Internal Medicine
12	Physician/Osteopathic Manipulative Medicine
13	Physician/Neurology
14	Physician/Neurosurgery
15	Speech Language Pathologist
16	Physician/Obstetrics & Gynecology
17	Physician/Hospice and Palliative Care
18	Physician/Ophthalmology
19	Oral Surgery (Dentist only)
20	Physician/Orthopedic Surgery
21	Clinical Cardiac Electrophysiology
22	Physician/Pathology
23	Physician/Sports Medicine
24	Physician/Plastic and Reconstructive Surgery
25	Physician/Physical Medicine and Rehabilitation
26	Physician/Psychiatry
27	Physician/Geriatric Psychiatry
28	Physician/Colorectal Surgery (Proctology)
29	Physician/Pulmonary Disease
30	Physician/Diagnostic Radiology
32	Anesthesiology Assistant
33	Physician/Thoracic Surgery
34	Physician/Urology
35	Chiropractic
36	Physician/Nuclear Medicine
37	Physician/Pediatric Medicine
38	Physician/Geriatric Medicine
39	Physician/Nephrology
40	Physician/Hand Surgery
41	Optometry
42	Certified Nurse Midwife
43	Certified Registered Nurse Anesthetist (CRNA)
44	Physician/Infectious Disease

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
46	Physician/Endocrinology
48	Podiatry
50	Nurse Practitioner
55	Individual Certified Orthotist
56	Individual Certified Prosthetist
57	Individual Certified Prosthetist-Orthotist
62	Psychologist, Clinical
64	Audiologist
65	Physical Therapist in Private Practice
66	Physician/Rheumatology
67	Occupational Therapist in Private Practice
71	Registered Dietitian or Nutrition Professional
72	Physician/Pain Management
76	Physician/Peripheral Vascular Disease
77	Physician/Vascular Surgery
78	Physician/Cardiac Surgery
79	Physician/Addiction Medicine
80	Licensed Clinical Social Worker
81	Physician/Critical Care (Intensivists)
82	Physician/Hematology
83	Physician/Hematology-Oncology
84	Physician/Preventive Medicine
85	Physician/Maxillofacial Surgery
86	Physician/Neuropsychiatry
89	Certified Clinical Nurse Specialist
90	Physician/Medical Oncology
91	Physician/Surgical Oncology
92	Physician/Radiation Oncology
93	Physician/Emergency Medicine
94	Physician/Interventional Radiology
96	Optician
97	Physician Assistant
98	Physician/Gynecological Oncology
B2	Pedorthic personnel
C0	Physician/Sleep Medicine
C3	Physician/Interventional Cardiology
C5	Dentist
C6	Physician/Hospitalist
C7	Physician/Advanced Heart Failure and Transplant Cardiology
C8	Physician/Medical Toxicology
C9	Hematopoietic Cell Transplantation and Cellular Therapy
103T00000X	Behavioral Health & Social Service Providers/Psychologist

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
103TA0400X	Behavioral Health & Social Service Providers/Psychologist, Addiction (Substance Abuse Disorder)
103TA0700X	Behavioral Health & Social Service Providers/Psychologist, Adult Development & Aging
103TB0200X	Behavioral Health & Social Service Providers/Psychologist, Cognitive & Behavioral
103TC0700X	Behavioral Health & Social Service Providers/Psychologist, Clinical
103TC1900X	Behavioral Health & Social Service Providers/Psychologist, Counseling
103TC2200X	Behavioral Health & Social Service Providers/Psychologist, Clinical Child & Adolescent
103TE1000X	Behavioral Health & Social Service Providers/Psychologist, Educational
103TE1100X	Behavioral Health & Social Service Providers/Psychologist, Exercise & Sports
103TF0000X	Behavioral Health & Social Service Providers/Psychologist, Family
103TF0200X	Behavioral Health & Social Service Providers/Psychologist, Forensic
103TH0004X	Behavioral Health & Social Service Providers/Psychologist, Health
103TH0100X	Behavioral Health & Social Service Providers/Psychologist, Health Service
103TM1700X	Behavioral Health & Social Service Providers/Psychologist, Men & Masculinity
103TM1800X	Behavioral Health & Social Service Providers/Psychologist, Mental Retardation & Developmental Disabilities
103TP0016X	Behavioral Health & Social Service Providers/Psychologist, Prescribing (Medical)
103TP0814X	Behavioral Health & Social Service Providers/Psychologist, Psychoanalysis
103TP2700X	Behavioral Health & Social Service Providers/Psychologist, Psychotherapy
103TP2701X	Behavioral Health & Social Service Providers/Psychologist, Group Psychotherapy
103TR0400X	Behavioral Health & Social Service Providers/Psychologist, Rehabilitation
103TS0200X	Behavioral Health & Social Service Providers/Psychologist, School
103TW0100X	Behavioral Health & Social Service Providers/Psychologist, Women
106E00000X	Behavioral Health & Social Service Providers/Assistant Behavior Analyst
106S00000X	Behavioral Health & Social Service Providers/Technician
111N00000X	Chiropractic Providers/Chiropractor
111NI0013X	Chiropractic Providers/Chiropractor, Independent Medical Examiner
111NI0900X	Chiropractic Providers/Chiropractor, Internist
111NN0400X	Chiropractic Providers/Chiropractor, Neurology
111NN1001X	Chiropractic Providers/Chiropractor, Nutrition
111NP0017X	Chiropractic Providers/Chiropractor, Pediatric Chiropractor
111NR0200X	Chiropractic Providers/Chiropractor, Radiology
111NR0400X	Chiropractic Providers/Chiropractor, Rehabilitation
111NS0005X	Chiropractic Providers/Chiropractor, Sports Physician
111NT0100X	Chiropractic Providers/Chiropractor, Thermography
111NX0100X	Chiropractic Providers/Chiropractor, Occupational Medicine
111NX0800X	Chiropractic Providers/Chiropractor, Orthopedic
1223S0112X	Allopathic & Osteopathic Physicians/Ophthalmology, Dental Providers/Dentist, Oral & Maxillofacial Surgery
133V00000X	Dietary & Nutritional Service Providers/Dietician, Registered
133VN1004X	Dietary & Nutritional Service Providers/Dietician, Registered, Nutrition, Pediatric

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
133VN1005X	Dietary & Nutritional Service Providers/Dietician, Registered, Nutrition, Renal
133VN1006X	Dietary & Nutritional Service Providers/Dietician, Registered, Nutrition, Metabolic
152W00000X	Eye and Vision Service Providers/Optommetrist
152WC0802X	Eye and Vision Service Providers/Optommetrist, Corneal and Contact Management
152WL0500X	Eye and Vision Service Providers/Optommetrist, Low Vision Rehabilitation
152WP0200X	Eye and Vision Service Providers/Optommetrist, Pediatrics
152WS0006X	Eye and Vision Service Providers/Optommetrist, Sports Vision
152WV0400X	Eye and Vision Service Providers/Optommetrist, Vision Therapy
152WX0102X	Eye and Vision Service Providers/Optommetrist, Occupational Vision
204C00000X	Allopathic & Osteopathic Physicians/Neuromusculoskeletal Medicine, Sports Medicine
204D00000X	Allopathic & Osteopathic Physicians/Neuromusculoskeletal Medicine & OMM
204E00000X	Allopathic & Osteopathic Physicians/Oral & Maxillofacial Surgery
204F00000X	Allopathic & Osteopathic Physicians/Transplant Surgery
207K00000X	Allopathic & Osteopathic Physicians/Allergy and Immunology
207KA0200X	Allopathic & Osteopathic Physicians/Allergy and Immunology/Allergy
207KI0005X	Allopathic & Osteopathic Physicians/Allergy and Immunology/Clinical & Laboratory Immunology
207L00000X	Allopathic & Osteopathic Physicians/Anesthesiology, Addiction Medicine
207LA0401X	Allopathic & Osteopathic Physicians/Anesthesiology/Addiction Medicine
207LC0200X	Allopathic & Osteopathic Physicians/Anesthesiology/Critical Care Medicine
207LH0002X	Allopathic & Osteopathic Physicians/Anesthesiology/Hospice and Palliative Medicine
207LP2900X	Allopathic & Osteopathic Physicians/Anesthesiology/Pain Medicine
207LP3000X	Allopathic & Osteopathic Physicians/Anesthesiology/Pediatric Anesthesiology
207N00000X	Allopathic & Osteopathic Physicians/Dermatology
207ND0101X	Allopathic & Osteopathic Physicians/Dermatology, MOHS-Micrographic Surgery
207ND0900X	Allopathic & Osteopathic Physicians/Dermatology, Dermopathology
207NI0002X	Allopathic & Osteopathic Physicians/Dermatology, Clinical & Laboratory Dermatological Immunology
207NP0225X	Allopathic & Osteopathic Physicians/Dermatology, Pediatric Dermatology
207NS0135X	Allopathic & Osteopathic Physicians/Dermatology, Procedural Dermatology
207PH0002X	Allopathic & Osteopathic Physicians/Emergency Medicine, Hospice and Palliative Medicine
207PS0010X	Allopathic & Osteopathic Physicians/Emergency Medicine, Sports Medicine
207Q00000X	Allopathic & Osteopathic Physicians/Family Medicine
207QA0000X	Allopathic & Osteopathic Physicians/Family Medicine, Adolescent Medicine
207QA0401X	Allopathic & Osteopathic Physicians/Family Medicine, Addiction Medicine
207QA0505X	Allopathic & Osteopathic Physicians/Family Medicine, Adult Medicine
207QB0002X	Allopathic & Osteopathic Physicians/Family Medicine, Bariatric Medicine
207QG0300X	Allopathic & Osteopathic Physicians/Family Medicine, Geriatric Medicine
207QH0002X	Allopathic & Osteopathic Physicians/Family Medicine, Hospice and Palliative Medicine
207QS0010X	Allopathic & Osteopathic Physicians/Family Medicine, Sports Medicine
207QS1201X	Allopathic & Osteopathic Physicians/Family Medicine, Sleep Medicine
207R00000X	Allopathic & Osteopathic Physicians/Internal Medicine
207RA0000X	Allopathic & Osteopathic Physicians/Internal Medicine, Adolescent Medicine

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
207RA0001X	Allopathic & Osteopathic Physicians/Advanced Heart Failure and Transplant Cardiology
207RA0201X	Allopathic & Osteopathic Physicians/Internal Medicine, Allergy & Immunology
207RA0401X	Allopathic & Osteopathic Physicians/Internal Medicine, Addiction Medicine
207RB0002X	Allopathic & Osteopathic Physicians/Internal Medicine, Bariatric Medicine
207RC0000X	Allopathic & Osteopathic Physicians/Internal Medicine, Cardiovascular Disease
207RC0001X	Allopathic & Osteopathic Physicians/Internal Medicine, Clinical Cardiac Electrophysiology
207RC0200X	Allopathic & Osteopathic Physicians/Internal Medicine, Critical Care Medicine
207RE0101X	Allopathic & Osteopathic Physicians/Internal Medicine, Endocrinology, Diabetes & Metabolism
207RG0100X	Allopathic & Osteopathic Physicians/Internal Medicine, Gastroenterology
207RG0300X	Allopathic & Osteopathic Physicians/Internal Medicine, Geriatric Medicine
207RH0000X	Allopathic & Osteopathic Physicians/Internal Medicine, Hematology
207RH0002X	Allopathic & Osteopathic Physicians/Internal Medicine, Hospice and Palliative Medicine
207RH0003X	Allopathic & Osteopathic Physicians/Internal Medicine, Hematology & Oncology
207RI0001X	Allopathic & Osteopathic Physicians/Internal Medicine, Clinical & Laboratory Immunology
207RI0008X	Allopathic & Osteopathic Physicians/Internal Medicine, Hepatology
207RI0200X	Allopathic & Osteopathic Physicians/Internal Medicine, Infectious Disease
207RM1200X	Allopathic & Osteopathic Physicians/Internal Medicine, Magnetic Resonance Imaging (MRI)
207RN0300X	Allopathic & Osteopathic Physicians/Internal Medicine, Nephrology
207RP1001X	Allopathic & Osteopathic Physicians/Internal Medicine, Pulmonary Disease
207RR0500X	Allopathic & Osteopathic Physicians/Internal Medicine, Rheumatology
207RS0010X	Allopathic & Osteopathic Physicians/Internal Medicine, Sports Medicine
207RS0012X	Allopathic & Osteopathic Physicians/Internal Medicine, Sleep Medicine
207RT0003X	Allopathic & Osteopathic Physicians/Internal Medicine, Transplant Hepatology
207RX0202X	Allopathic & Osteopathic Physicians/Internal Medicine, Medical Oncology
207T00000X	Allopathic & Osteopathic Physicians/Neurological Surgery
207U00000X	Allopathic & Osteopathic Physicians/Nuclear Medicine
207UN0901X	Allopathic & Osteopathic Physicians/Nuclear Medicine, Nuclear Cardiology
207UN0902X	Allopathic & Osteopathic Physicians/Nuclear Medicine, Nuclear Imaging & Therapy
207UN0903X	Allopathic & Osteopathic Physicians/Nuclear Medicine, In Vivo & In Vitro Nuclear Medicine
207V00000X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology
207VB0002X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Bariatric Medicine
207VC0200X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Critical Care Medicine
207VE0102X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Reproductive Endocrinology
207VF0040X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Female Pelvic Medicine and Reconstructive Surgery
207VG0400X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Gynecology
207VH0002X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Hospice and Palliative Medicine
207VM0101X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Maternal & Fetal Medicine
207VX0000X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Obstetrics
207VX0201X	Allopathic & Osteopathic Physicians/Obstetrics & Gynecology, Gynecologic Oncology
207W00000X	Allopathic & Osteopathic Physicians/Ophthalmology

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
207WX0009X	Allopathic & Osteopathic Physicians/Ophthalmology, Glaucoma Specialist
207WX0107X	Allopathic & Osteopathic Physicians/Ophthalmology, Retina Specialist
207WX0108X	Allopathic & Osteopathic Physicians/Ophthalmology, Uveitis and Ocular Inflammatory Disease
207WX0109X	Allopathic & Osteopathic Physicians/Ophthalmology/Neuro-ophthalmology
207WX0110X	Allopathic & Osteopathic Physicians/Ophthalmology/Pediatric Ophthalmology and Strabismus Specialist
207WX0120X	Allopathic & Osteopathic Physicians/Ophthalmology, Cornea and External Diseases Specialist
207WX0200X	Allopathic & Osteopathic Physicians/Ophthalmic Plastic and Reconstructive Surgery
207X00000X	Allopathic & Osteopathic Physicians/Orthopedic Surgery
207XP3100X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Pediatric Orthopedic Surgery
207XS0106X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Hand Surgery
207XS0114X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Adult Reconstructive Orthopedic Surgery
207XS0117X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Orthopedic Surgery of the Spine
207XX0004X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Foot and Ankle Surgery
207XX0005X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Sports Medicine
207XX0801X	Allopathic & Osteopathic Physicians/Orthopedic Surgery, Orthopedic Trauma
207Y00000X	Allopathic & Osteopathic Physicians/ Otolaryngology
207YP0228X	Allopathic & Osteopathic Physicians/Otolaryngology/Pediatric Otolaryngology
207YS0012X	Allopathic & Osteopathic Physicians/Otolaryngology/Sleep Medicine
207YS0123X	Allopathic & Osteopathic Physicians/ Otolaryngology/Facial Plastic Surgery
207YX0007X	Allopathic & Osteopathic Physicians/Otolaryngology/Plastic Surgery within the Head & Neck
207YX0602X	Allopathic & Osteopathic Physicians/Otolaryngology/Otolaryngic Allergy
207YX0901X	Allopathic & Osteopathic Physicians/Otolaryngology/Otology & Neurotology
207YX0905X	Allopathic & Osteopathic Physicians/Otolaryngology/Otolaryngology/Facial Plastic Surgery
207ZB0001X	Allopathic & Osteopathic Physicians/Pathology, Blood Banking & Transfusion Medicine
207ZC0006X	Allopathic & Osteopathic Physicians/Pathology, Clinical Pathology
207ZC0500X	Allopathic & Osteopathic Physicians/Pathology, Cytopathology
207ZD0900X	Allopathic & Osteopathic Physicians/Pathology, Dermatopathology
207ZF0201X	Allopathic & Osteopathic Physicians/Pathology, Forensic Pathology
207ZH0000X	Allopathic & Osteopathic Physicians/Pathology, Hematology
207ZI0100X	Allopathic & Osteopathic Physicians/Pathology, Immunopathology
207ZM0300X	Allopathic & Osteopathic Physicians/Pathology, Medical Microbiology
207ZN0500X	Allopathic & Osteopathic Physicians/Pathology, Neuropathology
207ZP0007X	Allopathic & Osteopathic Physicians/Pathology, Molecular Genetic Pathology
207ZP0101X	Allopathic & Osteopathic Physicians/Pathology, Anatomic Pathology
207ZP0102X	Allopathic & Osteopathic Physicians/Pathology, Anatomic Pathology & Clinical Pathology
207ZP0104X	Allopathic & Osteopathic Physicians/Pathology, Chemical Pathology
207ZP0105X	Allopathic & Osteopathic Physicians/Pathology, Clinical Pathology/Laboratory Medicine
207ZP0213X	Allopathic & Osteopathic Physicians/Pathology, Pediatric Pathology
208000000X	Allopathic & Osteopathic Physicians/Pediatrics
2080A0000X	Allopathic & Osteopathic Physicians/Pediatrics, Adolescent Medicine
2080H0002X	Allopathic & Osteopathic Physicians/Pediatrics, Hospice and Palliative Medicine

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
2080I0007X	Allopathic & Osteopathic Physicians/Pediatrics, Clinical & Laboratory Immunology
2080N0001X	Allopathic & Osteopathic Physicians/Pediatrics, Neonatal-Perinatal Medicine
2080P0006X	Allopathic & Osteopathic Physicians/Pediatrics, Developmental Behavioral Pediatrics
2080P0008X	Allopathic & Osteopathic Physicians/Pediatrics, Neurodevelopmental Disabilities
2080P0201X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Allergy & Immunology
2080P0202X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Cardiology
2080P0203X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Critical Care Medicine
2080P0204X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Emergency Medicine
2080P0205X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Endocrinology
2080P0206X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Gastroenterology
2080P0207X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Hematology-Oncology
2080P0208X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Infectious Diseases
2080P0210X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Nephrology
2080P0214X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Pulmonology
2080P0216X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Rheumatology
2080S0010X	Allopathic & Osteopathic Physicians/Pediatrics, Sports Medicine
2080S0012X	Allopathic & Osteopathic Physicians/Pediatrics, Sleep Medicine
2080T0002X	Allopathic & Osteopathic Physicians/Pediatrics, Medical Toxicology
2080T0004X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Transplant Hepatology
208100000X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation
2081H0002X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Hospice and Palliative Medicine
2081N0008X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Neuromuscular Medicine
2081P0004X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Spinal Cord Injury Medicine
2081P0010X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Pediatric Rehabilitation Medicine
2081P0301X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Brain Injury
2081P2900X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Pain Medicine
2081S0010X	Allopathic & Osteopathic Physicians/Physical Medicine & Rehabilitation, Sports Medicine
208200000X	Allopathic & Osteopathic Physicians/Plastic Surgery
2082S0099X	Allopathic & Osteopathic Physicians/Plastic Surgery, Plastic Surgery Within the Head and Neck
2082S0105X	Allopathic & Osteopathic Physicians/Plastic Surgery, Surgery of the Hand
2083S0010X	Allopathic & Osteopathic Physicians/Preventive Medicine, Sports Medicine
2084A2900X	Allopathic & Osteopathic Physicians/Psychiatry & Neurology/Neurocritical Care
2084H0002X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Hospice & Palliative Medicine
2084N0400X	Allopathic & Osteopathic Physicians/Psychiatry and Neurology, Neurology
2084N0402X	Allopathic & Osteopathic Physicians/Psychiatry and Neurology, Neurology with Special Qualifications in Child Neurology

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
2084P0301X	Allopathic & Osteopathic Physicians/Psychiatry & Neurology/Respiratory, Developmental, Rehabilitative and Restorative Service, Brain Injury Medicine
2084P0800X	Allopathic & Osteopathic Physicians/Psychiatry
2084S0010X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Sports Medicine
2085R0202X	Allopathic & Osteopathic Physicians/Radiology, Diagnostic Radiology
208600000X	Allopathic & Osteopathic Physicians/Surgery
2086H0002X	Allopathic & Osteopathic Physicians/Surgery/Hospice and Palliative Medicine, General Surgery
2086S0102X	Allopathic & Osteopathic Physicians/Surgery/Surgical Critical Care
2086S0105X	Allopathic & Osteopathic Physicians/Surgery, Surgery of the Hand
2086S0120X	Allopathic & Osteopathic Physicians/Surgery/Pediatric Surgery
2086S0122X	Allopathic & Osteopathic Physicians/Surgery/Plastic and Reconstructive Surgery
2086S0127X	Allopathic & Osteopathic Physicians/Surgery/Trauma Surgery
2086S0129X	Allopathic & Osteopathic Physicians/Surgery/Vascular Surgery
2086X0206X	Allopathic & Osteopathic Physicians/Surgery/Surgical Oncology
208800000X	Allopathic & Osteopathic Physicians/Urology
2088F0040X	Female Pelvic Medicine & Reconstructive Surgery
2088P0231X	Allopathic & Osteopathic Physicians/Urology, Pediatric Urology
208C00000X	Allopathic & Osteopathic Physicians/Colon & Rectal Surgery
208D00000X	Allopathic & Osteopathic Physicians/General Practice
208G00000X	Allopathic & Osteopathic Physicians/Thoracic Surgery (Cardiothoracic Vascular Surgery)
208VP0000X	Allopathic & Osteopathic Physicians/Pain Medicine, Pain Medicine
208VP0014X	Allopathic & Osteopathic Physicians/Pain Medicine, Interventional Pain Medicine
213E00000X	Podiatric Medicine & Surgery Service Providers/Podiatrist
213EG0000X	Podiatric Medicine & Surgery Service Providers/Podiatrist, General Practice
213EP0504X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Public Medicine
213EP1101X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Primary Podiatric Medicine
213ER0200X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Radiology
213ES0000X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Sports Medicine
213ES0103X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Foot & Ankle Surgery
213ES0131X	Podiatric Medicine & Surgery Service Providers/Podiatrist, Foot Surgery
222Z00000X	Respiratory, Developmental, Rehabilitative, and Restorative Service Providers/Orthotist
224P00000X	Respiratory, Developmental, Rehabilitative, and Restorative Service Providers/Prosthetist
225100000X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist
2251C2600X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Cardiopulmonary
2251E1200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Ergonomics
2251E1300X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist,

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
	Electrophysiology, Clinical
2251G0304X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Geriatrics
2251H1200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Hand
2251H1300X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Human Factors
2251N0400X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Neurology
2251P0200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Pediatrics
2251S0007X	Respiratory, Rehabilitative & Restorative Service Providers/Physical Therapist, Sports
2251X0800X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Physical Therapist, Orthopedic
225X00000X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist
225XE0001X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Environmental Modification
225XE1200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Ergonomics
225XF0002X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Feeding, Eating & Swallowing
225XG0600X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Gerontology
225XH1200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Hand
225XH1300X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Human Factors
225XL0004X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Low Vision
225XM0800X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist, Mental Health
225XN1300X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist,

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
	Neurorehabilitation
225XP0019X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist,
	Physical Rehabilitation
225XP0200X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist,
	Pediatrics
225XR0403X	Respiratory, Developmental, Rehabilitative & Restorative Service Providers/Occupational Therapist,
	Driving and Community Mobility
231H00000X	Speech, Language and Hearing Service Providers/Audiologist
231HA2400X	Speech, Language and Hearing Service Providers/Audiologist, Assistive Technology Practitioner
235Z00000X	Speech, Language and Hearing Service Providers
363L00000X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner
363LA2100X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Acute Care
363LA2200X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Adult Health
363LC0200X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Critical Care Medicine
363LC1500X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Community Health
363LF0000X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Family
363LG0600X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Gerontology
363LN0000X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Neonatal
363LN0005X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Neonatal, Critical Care
363LP0200X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Pediatrics
363LP0222X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Pediatrics, Critical Care
363LP0808X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Psychiatric/Mental Health
363LP1700X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Perinatal
363LP2300X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Primary Care
363LS0200X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, School
363LW0102X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Women's Health
363LX0001X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Obstetrics & Gynecology
363LX0106X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Practitioner, Occupational Health
367500000X	Physician Assistants & Advanced Practice Nursing Providers/Nurse Anesthetist, Certified Registered

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
367A00000X	Physician Assistants & Advanced Practice Nursing Providers/Midwife, Certified Nurse
367H00000X	Physician Assistants & Advanced Practice Nursing Providers/Anesthesiologist Assistant
156FX1800X	Eye & Vision Service Providers/Technician/Technologist, Optician
1041C0700X	Behavioral Health & Social Service Providers/Social Worker, Clinical
122300000X	Allopathic & Osteopathic Physicians/Ophthalmology, Dental Providers/Dentist
207P00000X	Allopathic & Osteopathic Physicians/Emergency Medicine
207PE0004X	Allopathic & Osteopathic Physicians/Emergency Medicine, Emergency Medical Services
207PE0005X	Allopathic & Osteopathic Physicians/Emergency Medicine, Undersea and Hyperbaric Medicine
207PP0204X	Allopathic & Osteopathic Physicians/Emergency Medicine, Pediatric Emergency Medicine
207PT0002X	Allopathic & Osteopathic Physicians/Emergency Medicine, Medical Toxicology
207RI0011X	Allopathic & Osteopathic Physicians/Internal Medicine, Interventional Cardiology
2083A0100X	Allopathic & Osteopathic Physicians/Preventive Medicine, Aerospace Medicine
2083P0011X	Allopathic & Osteopathic Physicians/Preventive Medicine, Undersea and Hyperbaric Medicine
2083P0500X	Allopathic & Osteopathic Physicians/Preventive Medicine, Preventive Medicine/Occupational Environmental Medicine
2083P0901X	Allopathic & Osteopathic Physicians/Preventive Medicine, Public Health & General Preventive Medicine
2083X0100X	Allopathic & Osteopathic Physicians/Preventive Medicine, Occupational Medicine
2084A0401X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology
2083T0002X	Allopathic & Osteopathic Physicians/Preventive Medicine, Medical Toxicology
2084B0002X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Bariatric Medicine
2084D0003X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Diagnostic Neuroimaging
2084F0202X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Forensic Psychiatry
2084N0008X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Neuromuscular Medicine
2084N0600X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Clinical Neurophysiology
2084P0005X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Neurodevelopmental Disabilities
2084P0015X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Psychosomatic Medicine
2084P0802X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Addiction Psychiatry
2084P0804X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Child & Adolescent Psychiatry
2084P0805X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Geriatric Psychiatry
2084P2900X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Pain Medicine
2084S0012X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Sleep Medicine
2084V0102X	Allopathic & Osteopathic Physicians/ Psychiatry & Neurology, Vascular Neurology
2085H0002X	Hospice & Palliative Medicine
2085R0001X	Allopathic & Osteopathic Physicians/Radiology, Radiation Oncology
2085R0204X	Allopathic & Osteopathic Physicians/Radiology, Vascular and Interventional Radiology
208M00000X	Allopathic & Osteopathic Physicians/Hospitalist
247200000X	Technologists, Technicians & Other Technical Service Providers/Technician, Other
363A00000X	Physician Assistants & Advanced Practice Nursing Providers/Physician Assistant
363AM0700X	Physician Assistants & Advanced Practice Nursing Providers/Physician Assistant, Medical
363AS0400X	Physician Assistants & Advanced Practice Nursing Providers/Physician Assistant, Surgical
364S00000X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
364SA2100X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Acute Care
364SA2200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Adult Health
364SC0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Critical Care Medicine
364SC1501X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Community Health/Public Health
364SC2300X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Chronic Care
364SE0003X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Emergency
364SE1400X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Ethics
364SF0001X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Family Health
364SG0600X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Gerontology
364SH0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Home Health
364SH1100X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Holistic
364SI0800X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Informatics
364SL0600X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Long-term Care
364SM0705X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Medical-Surgical
364SN0000X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Neonatal
364SN0800X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Neuroscience
364SP0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Pediatrics
364SP0807X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Child & Adolescent
364SP0808X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health
364SP0809X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Adult

**Appendix D. Specialty Visit Codes for Any Specialist, Excluding Code “99”**

Specialty Code	Description
364SP0810X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Child & Family
364SP0811X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Chronically Ill
364SP0812X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Community
364SP0813X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Psychiatric/Mental Health, Geropsychiatric
364SP1700X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Perinatal
364SP2800X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Perioperative
364SR0400X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Rehabilitation
364SS0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, School
364ST0500X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Transplantation
364SW0102X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Women's Health
364SX0106X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Occupational Health
364SX0200X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Oncology
364SX0204X	Physician Assistants & Advanced Practice Nursing Providers/Clinical Nurse Specialist, Oncology, Pediatrics

**Appendix E. Specialty Visit Codes for Dermatologist and Rheumatologist Visits**

Specialty Code	Description
7	Physician/Dermatology
66	Physician/Rheumatology
207N00000X	Allopathic & Osteopathic Physicians/Dermatology
207ND0900X	Allopathic & Osteopathic Physicians/Dermatology, Dermopathology
207NI0002X	Allopathic & Osteopathic Physicians/Dermatology, Clinical & Laboratory Dermatological Immunology
207NP0225X	Allopathic & Osteopathic Physicians/Dermatology, Pediatric Dermatology
207RR0500X	Allopathic & Osteopathic Physicians/Internal Medicine, Rheumatology
207ZD0900X	Allopathic & Osteopathic Physicians/Pathology, Dermopathology
2080P0216X	Allopathic & Osteopathic Physicians/Pediatrics, Pediatric Rheumatology

**Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System, Level II (HCPCS), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code Category	Code Type
<b>Tobacco Use: diagnosed or identified by smoking cessation procedures</b>			
F17.200	Nicotine dependence, unspecified, uncomplicated	Diagnosis	ICD-10-CM
F17.201	Nicotine dependence, unspecified, in remission	Diagnosis	ICD-10-CM
F17.203	Nicotine dependence unspecified, with withdrawal	Diagnosis	ICD-10-CM
F17.208	Nicotine dependence, unspecified, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.209	Nicotine dependence, unspecified, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.210	Nicotine dependence, cigarettes, uncomplicated	Diagnosis	ICD-10-CM
F17.211	Nicotine dependence, cigarettes, in remission	Diagnosis	ICD-10-CM
F17.213	Nicotine dependence, cigarettes, with withdrawal	Diagnosis	ICD-10-CM
F17.218	Nicotine dependence, cigarettes, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.219	Nicotine dependence, cigarettes, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.220	Nicotine dependence, chewing tobacco, uncomplicated	Diagnosis	ICD-10-CM
F17.221	Nicotine dependence, chewing tobacco, in remission	Diagnosis	ICD-10-CM
F17.223	Nicotine dependence, chewing tobacco, with withdrawal	Diagnosis	ICD-10-CM
F17.228	Nicotine dependence, chewing tobacco, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.229	Nicotine dependence, chewing tobacco, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.290	Nicotine dependence, other tobacco product, uncomplicated	Diagnosis	ICD-10-CM
F17.291	Nicotine dependence, other tobacco product, in remission	Diagnosis	ICD-10-CM
<b>Tobacco Use: diagnosed or identified by smoking cessation procedures</b>			
F17.293	Nicotine dependence, other tobacco product, with withdrawal	Diagnosis	ICD-10-CM
F17.298	Nicotine dependence, other tobacco product, with other nicotine-induced disorders	Diagnosis	ICD-10-CM
F17.299	Nicotine dependence, other tobacco product, with unspecified nicotine-induced disorders	Diagnosis	ICD-10-CM
O99.330	Smoking (tobacco) complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O99.331	Smoking (tobacco) complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O99.332	Smoking (tobacco) complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O99.333	Smoking (tobacco) complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O99.334	Smoking (tobacco) complicating childbirth	Diagnosis	ICD-10-CM
O99.335	Smoking (tobacco) complicating the puerperium	Diagnosis	ICD-10-CM
T65211A	Toxic effect of chewing tobacco, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65211D	Toxic effect of chewing tobacco, accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T65211S	Toxic effect of chewing tobacco, accidental (unintentional), sequela	Diagnosis	ICD-10-CM
T65212A	Toxic effect of chewing tobacco, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T65212D	Toxic effect of chewing tobacco, intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T65212S	Toxic effect of chewing tobacco, intentional self-harm, sequela	Diagnosis	ICD-10-CM
<b>Tobacco Use: diagnosed or identified by smoking cessation procedures</b>			
T65213A	Toxic effect of chewing tobacco, assault, initial encounter	Diagnosis	ICD-10-CM
T65213D	Toxic effect of chewing tobacco, assault, subsequent encounter	Diagnosis	ICD-10-CM
T65213S	Toxic effect of chewing tobacco, assault, sequela	Diagnosis	ICD-10-CM
T65214A	Toxic effect of chewing tobacco, undetermined, initial encounter	Diagnosis	ICD-10-CM
T65214D	Toxic effect of chewing tobacco, undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T65214S	Toxic effect of chewing tobacco, undetermined, sequela	Diagnosis	ICD-10-CM
T65221A	Toxic effect of tobacco cigarettes, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65221D	Toxic effect of tobacco cigarettes, accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T65221S	Toxic effect of tobacco cigarettes, accidental (unintentional), sequela	Diagnosis	ICD-10-CM

**Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System, Level II (HCPCS), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code Category	Code Type
T65222A	Toxic effect of tobacco cigarettes, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T65222D	Toxic effect of tobacco cigarettes, intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T65222S	Toxic effect of tobacco cigarettes, intentional self-harm, sequela	Diagnosis	ICD-10-CM
T65223A	Toxic effect of tobacco cigarettes, assault, initial encounter	Diagnosis	ICD-10-CM
T65223D	Toxic effect of tobacco cigarettes, assault, subsequent encounter	Diagnosis	ICD-10-CM
T65223S	Toxic effect of tobacco cigarettes, assault, sequela	Diagnosis	ICD-10-CM
<b>Tobacco Use: diagnosed or identified by smoking cessation procedures</b>			
T65224A	Toxic effect of tobacco cigarettes, undetermined, initial encounter	Diagnosis	ICD-10-CM
T65224D	Toxic effect of tobacco cigarettes, undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T65224S	Toxic effect of tobacco cigarettes, undetermined, sequela	Diagnosis	ICD-10-CM
T65291A	Toxic effect of other tobacco and nicotine, accidental (unintentional), initial encounter	Diagnosis	ICD-10-CM
T65291D	Toxic effect of other tobacco and nicotine, accidental (unintentional), subsequent encounter	Diagnosis	ICD-10-CM
T65291S	Toxic effect of other tobacco and nicotine, accidental (unintentional), sequela	Diagnosis	ICD-10-CM
T65292A	Toxic effect of other tobacco and nicotine, intentional self-harm, initial encounter	Diagnosis	ICD-10-CM
T65292D	Toxic effect of other tobacco and nicotine, intentional self-harm, subsequent encounter	Diagnosis	ICD-10-CM
T65292S	Toxic effect of other tobacco and nicotine, intentional self-harm, sequela	Diagnosis	ICD-10-CM
T65293A	Toxic effect of other tobacco and nicotine, assault, initial encounter	Diagnosis	ICD-10-CM
T65293D	Toxic effect of other tobacco and nicotine, assault, subsequent encounter	Diagnosis	ICD-10-CM
T65293S	Toxic effect of other tobacco and nicotine, assault, sequela	Diagnosis	ICD-10-CM
T65294A	Toxic effect of other tobacco and nicotine, undetermined, initial encounter	Diagnosis	ICD-10-CM
T65294D	Toxic effect of other tobacco and nicotine, undetermined, subsequent encounter	Diagnosis	ICD-10-CM
T65294S	Toxic effect of other tobacco and nicotine, undetermined, sequela	Diagnosis	ICD-10-CM
<b>Tobacco Use: diagnosed or identified by smoking cessation procedures</b>			
U07.0	Vaping related disorder	Diagnosis	ICD-10-CM
Z716	Tobacco abuse counseling	Diagnosis	ICD-10-CM
Z720	Tobacco use	Diagnosis	ICD-10-CM
Z87.891	Personal history of nicotine dependence	Diagnosis	ICD-10-CM
<b>Tobacco Use: identified by the dispensing of smoking-related medications</b>			
1034F	Current tobacco smoker (CAD, CAP, COPD, PV) (DM)	Procedure	CPT-4
4001F	Tobacco use cessation intervention, pharmacologic therapy (COPD, CAD, CAP, PV, Asthma) (DM) (PV)	Procedure	CPT-4
4004F	Patient screened for tobacco use and received tobacco cessation intervention (counseling, pharmacotherapy, or both), if identified as a tobacco user (PV, CAD)	Procedure	CPT-4
99406	Smoking and tobacco use cessation counseling visit; intermediate, greater than 3 minutes up to 10 minutes	Procedure	CPT-4
99407	Smoking and tobacco use cessation counseling visit; intensive, greater than 10 minutes	Procedure	CPT-4
G0436	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intermediate, greater than 3 minutes, up to 10 minutes	Procedure	HCPCS
G0437	Smoking and tobacco cessation counseling visit for the asymptomatic patient; intensive, greater than 10 minutes	Procedure	HCPCS

**Appendix F. List of Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System, Level II (HCPCS), and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code Category	Code Type
G9016	Smoking cessation counseling, individual, in the absence of or in addition to any other evaluation and management service, per session (6-10 minutes) [demo project code only]	Procedure	HCPCS
G9276	Documentation that patient is a current tobacco user	Procedure	HCPCS
<b>Tobacco Use: identified by the dispensing of smoking-related medications</b>			
G9458	Patient documented as tobacco user and received tobacco cessation intervention (must include at least one of the following: advice given to quit smoking or tobacco use, counseling on the benefits of quitting smoking or tobacco use, assistance with or referral to external smoking or tobacco cessation support programs, or current enrollment in smoking or tobacco use cessation program) if identified as a tobacco user	Procedure	HCPCS
S4995	Smoking cessation gum	Procedure	HCPCS
S9075	Smoking cessation treatment	Procedure	HCPCS
S9453	Smoking cessation classes, nonphysician provider, per session	Procedure	HCPCS

**Appendix G. List of Generic and Brand Names of Medical Products Used to Define Baseline Characteristics in this Request**

Generic Name	Brand Name
<b>Tobacco Use</b>	
bupropion HCl	Zyban
bupropion HCl	bupropion HCl (smoking deter)
nicotine	NTS Step 1
nicotine	Nicoderm CQ
nicotine	Nicotrol
nicotine	Nicotrol NS
nicotine	nicotine
nicotine bitartrate	Nicotine Tartrate
nicotine polacrilex	Nicorelief
nicotine polacrilex	Nicorette
nicotine polacrilex	Quit 2
nicotine polacrilex	Quit 4
nicotine polacrilex	Stop Smoking Aid
nicotine polacrilex	nicotine (polacrilex)
nicotine polacrilex	nicotine polacrilex (bulk)
varenicline tartrate	Chantix
varenicline tartrate	Chantix Continuing Month Box
varenicline tartrate	Chantix Starting Month Box
varenicline tartrate	varenicline

**Appendix H. Specifications Defining Parameters Used in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 14.1.0 to estimate 1) the burden of CLE in the adult and pediatric US population both overall and by sex and race/ethnicity, and 2) if the burden of disease similar in the Medicare/Medicaid versus commercial insurance the populations. in the Sentinel Distributed Database (SDD).

**Query Period:** 1/1/2017 - 7/31/2024  
**Coverage Requirement:** \*Medical  
 90  
 n/a  
**Enrollment Gap:** 45  
**Age Groups:** 0-5 years, 6-11 years, 12-17 years, 18-44 years, 45-64 years, and ≥65 years  
**Demographic Restrictions:** Sex= male, female; Race= no restriction, Hispanic origin= no restriction  
**Stratifications:** Age group, Sex, Calendar year, Race, Hispanic origin, Age\*calendar year  
**Censor output categorization:** n/a  
**Data Restrictions:** n/a  
 N  
 (2) no reclassification  
**Freeze data:** N  
**Drop Censor Output Indicator:** Y

**Exposure/Event**

Scenario	Index Exposure/ Event Labels in the Report Package Label File	Cohort Definition	Washout Period	Exclude Evidence of Days Supply if Event Washout Includes Dispensings	Care Setting	Principal diagnosis position	Forced Supply to Attach to Dispensings	Create Baseline Table?	Output Denominator Indicator
#	Name of cohort specified	<b>01:</b> Cohort includes only the first valid index date per individual during the query period. <b>02:</b> Cohort includes all valid index dates per individual during the query period.	Days specified	<b>N:</b> Lookback period should search for evidence of a date or an interval <b>Y:</b> Lookback period should search for evidence of a date only	<b>IP:</b> inpatient hospital stays <b>IS:</b> non-acute institutional stays <b>ED:</b> emergency department encounters <b>AV:</b> ambulatory visits <b>OA:</b> other ambulatory visits <b>Blank:</b> Any caresetting	*Any *Principal *Secondary *Unknown	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the exposure code's RxSup value	<b>Y:</b> baseline table will be produced for corresponding COHORTGRP <b>N:</b> baseline table will NOT be produced for corresponding COHORTGRP	<b>Y:</b> DENNUMPTS and DENNUMMEMDAYS variables will be calculated and populated in [RUNID]_t1_cida.sas7bdat. <b>M:</b> DENNUMPTS variable will be calculated and populated in [RUNID]_t1_cida.sas7bdat. DENNUMMEMDAYS variable will NOT be calculated and will be set to missing in [RUNID]_t1_cida.sas7bdat. <b>N:</b> DENNUMPTS and DENNUMMEMDAYS variables will NOT be calculated and will be set to missing in [RUNID]_t1_cida.sas7bdat.
1	Discoid lupus erythematosus	02	0	n/a	AV* OA*	*Any	n/a	Y	Y
2	Discoid lupus erythematosus coded by any known provider	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
3	Discoid lupus erythematosus coded by provider with known specialty (excluding unknown specialty)	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming

**Appendix H. Specifications Defining Parameters Used in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 14.1.0 to estimate 1) the burden of CLE in the adult and pediatric US population both overall and by sex and race/ethnicity, and 2) if the burden of disease similar in the Medicare/Medicaid versus commercial insurance the populations. in the Sentinel Distributed Database (SDD).

**Query Period:** 1/1/2017 - 7/31/2024  
**Coverage Requirement:** \*Medical  
 90  
 n/a  
**Enrollment Gap:** 45  
**Age Groups:** 0-5 years, 6-11 years, 12-17 years, 18-44 years, 45-64 years, and ≥65 years  
**Demographic Restrictions:** Sex= male, female; Race= no restriction, Hispanic origin= no restriction  
**Stratifications:** Age group, Sex, Calendar year, Race, Hispanic origin, Age\*calendar year  
**Censor output categorization:** n/a  
**Data Restrictions:** n/a  
 N  
 (2) no reclassification  
**Freeze data:** N  
**Drop Censor Output Indicator:** Y

Exposure/Event									
Scenario	Index Exposure/ Event Labels in the Report Package Label File	Cohort Definition	Washout Period	Exclude Evidence of Days Supply if Event Washout Includes Dispensings	Care Setting	Principal diagnosis position	Forced Supply to Attach to Dispensings	Create Baseline Table?	Output Denominator Indicator
4	Discoid lupus erythematosus coded by a dermatologist or rheumatologist	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
5	Subacute cutaneous lupus erythematosus	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
6	Subacute cutaneous lupus erythematosus coded by any known provider	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
7	Subacute cutaneous lupus erythematosus coded by provider with known specialty (excluding unknown specialty)	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
8	Subacute cutaneous lupus erythematosus coded by a dermatologist or rheumatologist	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
9	Other lupus erythematosus	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
10	Other lupus erythematosus coded by any known provider	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming

**Appendix H. Specifications Defining Parameters Used in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 14.1.0 to estimate 1) the burden of CLE in the adult and pediatric US population both overall and by sex and race/ethnicity, and 2) if the burden of disease similar in the Medicare/Medicaid versus commercial insurance the populations. in the Sentinel Distributed Database (SDD).

**Query Period:** 1/1/2017 - 7/31/2024  
**Coverage Requirement:** \*Medical  
 90  
 n/a  
**Enrollment Gap:** 45  
**Age Groups:** 0-5 years, 6-11 years, 12-17 years, 18-44 years, 45-64 years, and ≥65 years  
**Demographic Restrictions:** Sex= male, female; Race= no restriction, Hispanic origin= no restriction  
**Stratifications:** Age group, Sex, Calendar year, Race, Hispanic origin, Age\*calendar year  
**Censor output categorization:** n/a  
**Data Restrictions:** n/a  
 N  
 (2) no reclassification  
**Freeze data:** N  
**Drop Censor Output Indicator:** Y

**Exposure/Event**

Scenario	Index Exposure/ Event Labels in the Report Package Label File	Cohort Definition	Washout Period	Exclude Evidence of Days Supply if Event Washout Includes Dispensings	Care Setting	Principal diagnosis position	Forced Supply to Attach to Dispensings	Create Baseline Table?	Output Denominator Indicator
11	Other lupus erythematosus coded by provider with known specialty (excluding unknown specialty)	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
12	Other lupus erythematosus coded by any dermatologist or rheumatologist	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
13	Systemic lupus erythematosus without manifestations of systemic lupus erythematosus or drug-induced systemic lupus erythematosus	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
14	Systemic lupus erythematosus without manifestations of systemic lupus erythematosus or drug-induced systemic lupus erythematosus coded by any known provider	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming

**Appendix H. Specifications Defining Parameters Used in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 14.1.0 to estimate 1) the burden of CLE in the adult and pediatric US population both overall and by sex and race/ethnicity, and 2) if the burden of disease similar in the Medicare/Medicaid versus commercial insurance the populations. in the Sentinel Distributed Database (SDD).

**Query Period:** 1/1/2017 - 7/31/2024  
**Coverage Requirement:** \*Medical  
 90  
 n/a  
**Enrollment Gap:** 45  
**Age Groups:** 0-5 years, 6-11 years, 12-17 years, 18-44 years, 45-64 years, and ≥65 years  
**Demographic Restrictions:** Sex= male, female; Race= no restriction, Hispanic origin= no restriction  
**Stratifications:** Age group, Sex, Calendar year, Race, Hispanic origin, Age\*calendar year  
**Censor output categorization:** n/a  
**Data Restrictions:** n/a  
 N  
 (2) no reclassification  
**Freeze data:** N  
**Drop Censor Output Indicator:** Y

Scenario	Index Exposure/ Event Labels in the Report Package Label File	Cohort Definition	Washout Period	Exposure/Event					Output Denominator Indicator
				Exclude Evidence of Days Supply if Event Washout Includes Dispensings	Care Setting	Principal diagnosis position	Forced Supply to Attach to Dispensings	Create Baseline Table?	
15	Systemic lupus erythematosus without manifestations of systemic lupus erythematosus or drug-induced systemic lupus erythematosus coded by provider with known specialty (excluding unknown specialty)	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
16	Systemic lupus erythematosus without manifestations of systemic lupus erythematosus or drug-induced systemic lupus erythematosus coded by a Dermatologist or rheumatologist	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
17	Discoid lupus erythematosus precedes systemic lupus erythematosus	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
18	Discoid lupus erythematosus precedes systemic lupus erythematosus coded by any known provider	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming

**Appendix H. Specifications Defining Parameters Used in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 14.1.0 to estimate 1) the burden of CLE in the adult and pediatric US population both overall and by sex and race/ethnicity, and 2) if the burden of disease similar in the Medicare/Medicaid versus commercial insurance the populations. in the Sentinel Distributed Database (SDD).

**Query Period:** 1/1/2017 - 7/31/2024  
**Coverage Requirement:** \*Medical  
 90  
 n/a  
**Enrollment Gap:** 45  
**Age Groups:** 0-5 years, 6-11 years, 12-17 years, 18-44 years, 45-64 years, and ≥65 years  
**Demographic Restrictions:** Sex= male, female; Race= no restriction, Hispanic origin= no restriction  
**Stratifications:** Age group, Sex, Calendar year, Race, Hispanic origin, Age\*calendar year  
**Censor output categorization:** n/a  
**Data Restrictions:** n/a  
 N  
 (2) no reclassification  
**Freeze data:** N  
**Drop Censor Output Indicator:** Y

**Exposure/Event**

Scenario	Index Exposure/ Event Labels in the Report Package Label File	Cohort Definition	Washout Period	Exclude Evidence of Days Supply if Event Washout Includes Dispensings	Care Setting	Principal diagnosis position	Forced Supply to Attach to Dispensings	Create Baseline Table?	Output Denominator Indicator
19	Discoid lupus erythematosus precedes systemic lupus erythematosus coded by provider with known specialty (excluding unknown specialty)	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
20	Discoid lupus erythematosus precedes systemic lupus erythematosus coded by a dermatologist or rheumatologist	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming

**Appendix H. Specifications Defining Parameters Used in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 14.1.0 to estimate 1) the burden of CLE in the adult and pediatric US population both overall and by sex and race/ethnicity, and 2) if the burden of disease similar in the Medicare/Medicaid versus commercial insurance the populations. in the Sentinel Distributed Database (SDD).

**Query Period:** 1/1/2017 - 7/31/2024  
**Coverage Requirement:** \*Medical  
 90  
 n/a  
**Enrollment Gap:** 45  
**Age Groups:** 0-5 years, 6-11 years, 12-17 years, 18-44 years, 45-64 years, and ≥65 years  
**Demographic Restrictions:** Sex= male, female; Race= no restriction, Hispanic origin= no restriction  
**Stratifications:** Age group, Sex, Calendar year, Race, Hispanic origin, Age\*calendar year  
**Censor output categorization:** n/a  
**Data Restrictions:** n/a  
 N  
 (2) no reclassification  
**Freeze data:** N  
**Drop Censor Output Indicator:** Y

Scenario	Index Exposure/ Event Labels in the Report Package Label File	Cohort Definition	Washout Period	Exposure/Event					Output Denominator Indicator
				Exclude Evidence of Days Supply if Event Washout Includes Dispensings	Care Setting	Principal diagnosis position	Forced Supply to Attach to Dispensings	Create Baseline Table?	
21	Mixed cutaneous lupus erythematosus (CLE)	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
22	Mixed cutaneous lupus erythematosus (CLE) coded by any known provider	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
23	Mixed cutaneous lupus erythematosus (CLE) coded by provider with known specialty (excluding unknown specialty)	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
24	Mixed cutaneous lupus erythematosus (CLE) coded by a Dermatologist or rheumatologist	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming

**Appendix H. Specifications Defining Parameters Used in this Request**

This request executed the Cohort Identification and Descriptive Analysis (CIDA) tool 14.1.0 to estimate 1) the burden of CLE in the adult and pediatric US population both overall and by sex and race/ethnicity, and 2) if the burden of disease similar in the Medicare/Medicaid versus commercial insurance the populations. in the Sentinel Distributed Database (SDD).

**Query Period:** 1/1/2017 - 7/31/2024  
**Coverage Requirement:** \*Medical  
 90  
 n/a  
**Enrollment Gap:** 45  
**Age Groups:** 0-5 years, 6-11 years, 12-17 years, 18-44 years, 45-64 years, and ≥65 years  
**Demographic Restrictions:** Sex= male, female; Race= no restriction, Hispanic origin= no restriction  
**Stratifications:** Age group, Sex, Calendar year, Race, Hispanic origin, Age\*calendar year  
**Censor output categorization:** n/a  
**Data Restrictions:** n/a  
 N  
 (2) no reclassification  
**Freeze data:** N  
**Drop Censor Output Indicator:** Y

**Exposure/Event**

Scenario	Index Exposure/ Event Labels in the Report Package Label File	Cohort Definition	Washout Period	Exclude Evidence of Days Supply if Event Washout Includes Dispensings	Care Setting	Principal diagnosis position	Forced Supply to Attach to Dispensings	Create Baseline Table?	Output Denominator Indicator
25	Chilblains and systemic lupus erythematosus	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
26	Chilblains and systemic lupus erythematosus coded by any known provider	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
27	Chilblains and systemic lupus erythematosus coded by provider with known specialty (excluding unknown specialty)	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming
28	Chilblains and systemic lupus erythematosus coded by a dermatologist or rheumatologist	02	0	n/a	AV* OA*	*Any	n/a	Y	R - for plus programming

International Classification of Diseases, Ninth Revision (ICD-9), International Classification of Diseases, Tenth Revision (ICD-10), Healthcare Common Procedure Coding System (HCPCS), and CPT (Current Procedural Terminology) codes are provided. National Drug Codes (NDCs) are checked against FirstDataBank's FDBMedKnowledge®  
 N/A: Not Applicable

**Appendix H. Specifications Defining Parameters Used in this Request**

Inclusion/Exclusion Criteria											
Scenario	Evidence of	Condition Criteria	Condition	condition	Exclusion	Care Setting	Position	Period Start	End	Forced Supply to Attach to Dispensings	
#	*Death *DP End Date *Query End Date *Occurrence of an exposure or event	Inclusion/exclusion description and codes  <i>Indicator for CONLEVEL criterion</i>	*Inclusion (1) *Exclusion (0)	Name of inclusion or exclusion criteria specified	Name of inclusion or exclusion criteria within CONDLEVEL values specified	IP: inpatient hospital stays IS: non-acute institutional stays ED: emergency department encounters AV: ambulatory visits OA: other ambulatory visits Blank: Any caresetting	*Any *Principal *Secondary *Unknown  <i>Only applicable for Inpatient and Institutional stays</i>	Numeric specified	Numeric specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the exposure code's RxSup value	
1	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
11	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
12	*Death *DP End Date *Query End Date	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Appendix H. Specifications Defining Parameters Used in this Request

Inclusion/Exclusion Criteria											
Scenario	Evidence of	Condition Criteria	Condition	condition	Exclusion	Care Setting	Position	Period Start	End	Forced Supply to Attach to Dispensings	
#	*Death *DP End Date *Query End Date *Occurrence of an exposure or event	Inclusion/exclusion description and codes  <i>Indicator for CONLEVEL criterion</i>	*Inclusion (1) *Exclusion (0)	Name of inclusion or exclusion criteria specified	Name of inclusion or exclusion criteria within CONDLEVEL values specified		IP: inpatient hospital stays IS: non-acute institutional stays ED: emergency department encounters AV: ambulatory visits OA: other ambulatory visits Blank: Any caresetting	*Any *Principal *Secondary *Unknown  <i>Only applicable for Inpatient and Institutional stays</i>	Numeric specified	Numeric specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the exposure code's RxSup value
13	*Death *DP End Date *Query End Date	Include L93.0 (DLE), L93.1 (SCLE), L93.2 (other LE) in all available history through 365 days after index  Exclude M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (Drug-induced SLE) in all available history through 365 days after index	1	SCLE_OtherLE_DLE	SCLE_OtherLE_DLE	1	AV* OA*	*Any	-all available history	365	n/a
			0	SysManifestSLE_Drug-inducedSLE	SysManifestSLE_Drug-inducedSLE	1	AV* OA*	*Any	-all available history	365	n/a
14	*Death *DP End Date *Query End Date	Include L93.0 (DLE), L93.1 (SCLE), L93.2 (other LE) in all available history through 365 days after index  Exclude M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (Drug-induced SLE) in all available history through 365 days after index	1	SCLE_OtherLE_DLE	SCLE_OtherLE_DLE	1	AV* OA*	*Any	-all available history	365	n/a
			0	SysManifestSLE_Drug-inducedSLE	SysManifestSLE_Drug-inducedSLE	1	AV* OA*	*Any	-all available history	365	n/a

Appendix H. Specifications Defining Parameters Used in this Request

Inclusion/Exclusion Criteria											
Scenario	Evidence of	Condition Criteria	Condition	condition	Exclusion	Care Setting	Position	Period Start	End	Forced Supply to Attach to Dispensings	
#	*Death *DP End Date *Query End Date *Occurrence of an exposure or event	Inclusion/exclusion description and codes  <i>Indicator for CONLEVEL criterion</i>	*Inclusion (1) *Exclusion (0)	Name of inclusion or exclusion criteria specified	Name of inclusion or exclusion criteria within CONDLEVEL values specified		IP: inpatient hospital stays IS: non-acute institutional stays ED: emergency department encounters AV: ambulatory visits OA: other ambulatory visits Blank: Any caresetting	*Any *Principal *Secondary *Unknown  <i>Only applicable for Inpatient and Institutional stays</i>	Numeric specified	Numeric specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the exposure code's RxSup value
15	*Death *DP End Date *Query End Date	Include L93.0 (DLE), L93.1 (SCLE), L93.2 (other LE) in all available history through 365 days after index  Exclude M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (Drug-induced SLE in all available history through 365 days after index)	1  0	SCLE_OtherLE_DLE	SCLE_OtherLE_DLE	1	AV* OA*	*Any	-all available history	365	n/a
				SysManifestSLE_Drug-inducedSLE	SysManifestSLE_Drug-inducedSLE	1	AV* OA*	*Any	-all available history	365	n/a
16	*Death *DP End Date *Query End Date	Include L93.0 (DLE), L93.1 (SCLE), L93.2 (other LE) in all available history through 365 days after index  Exclude M32.1/M32.1x (systemic manifestations of SLE) or M32.0 (Drug-induced SLE in all available history through 365 days after index)	1  0	SCLE_OtherLE_DLE	SCLE_OtherLE_DLE	1	AV* OA*	*Any	-all available history	365	n/a
				SysManifestSLE_Drug-inducedSLE	SysManifestSLE_Drug-inducedSLE	1	AV* OA*	*Any	-all available history	365	n/a
17	*Death *DP End Date *Query End Date	L93.0 (DLE) precedes M32.9 (SLE) with a lag of >1 year	1	SLE	SLE	1	AV* OA*	*Any	365	all available data	n/a
18	*Death *DP End Date *Query End Date	L93.0 (DLE) precedes M32.9 (SLE) with a lag of >1 year	1	SLE	SLE	1	AV* OA*	*Any	365	all available data	n/a

Appendix H. Specifications Defining Parameters Used in this Request

Inclusion/Exclusion Criteria											
Scenario	Evidence of	Inclusion/exclusion description and codes	Condition Criteria	Condition	condition	Exclusion	Care Setting	Position	Period Start	End	Forced Supply to Attach to Dispensings
#	*Death *DP End Date *Query End Date *Occurrence of an exposure or event		*Inclusion (1) *Exclusion (0) <i>Indicator for CONLEVEL criterion</i>	Name of inclusion or exclusion criteria specified	Name of inclusion or exclusion criteria within CONDLEVEL values specified		IP: inpatient hospital stays IS: non-acute institutional stays ED: emergency department encounters AV: ambulatory visits OA: other ambulatory visits Blank: Any caresetting	*Any *Principal *Secondary *Unknown <i>Only applicable for Inpatient and Institutional stays</i>	Numeric specified	Numeric specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the exposure code's RxSup value
19	*Death *DP End Date *Query End Date	L93.0 (DLE) precedes M32.9 (SLE) with a lag of >1 year	1	SLE	SLE	1	AV* OA*	*Any	365	all available data	n/a
20	*Death *DP End Date *Query End Date	L93.0 (DLE) precedes M32.9 (SLE) with a lag of >1 year	1	SLE	SLE	1	AV* OA*	*Any	365	all available data	n/a
21	*Death *DP End Date *Query End Date	Any combination of two of these three diagnosis codes: L93.0 (DLE), L93.1 (SCLE), L93.2 (other LE)	1	condition1	condition1_L93.0on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition1	condition1_L93.1onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition2	condition2_L93.0on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition2	condition2_L93.2onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition3	condition3_L93.1on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition3	condition3_L93.0onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition4	condition4_L93.1on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition4	condition4_L93.2onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition5	condition5_L93.2on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition5	condition5_L93.0onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition6	condition6_L93.2on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition6	condition6_L93.1onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a

Appendix H. Specifications Defining Parameters Used in this Request

Inclusion/Exclusion Criteria											
Scenario	Evidence of	Inclusion/exclusion description and codes	Condition Criteria	Condition	condition	Exclusion	Care Setting	Position	Period Start	End	Forced Supply to Attach to Dispensings
#	*Death *DP End Date *Query End Date *Occurrence of an exposure or event		*Inclusion (1) *Exclusion (0) <i>Indicator for CONLEVEL criterion</i>	Name of inclusion or exclusion criteria specified	Name of inclusion or exclusion criteria within CONDLEVEL values specified		IP: inpatient hospital stays IS: non-acute institutional stays ED: emergency department encounters AV: ambulatory visits OA: other ambulatory visits Blank: Any caresetting	*Any *Principal *Secondary *Unknown <i>Only applicable for Inpatient and Institutional stays</i>	Numeric specified	Numeric specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the exposure code's RxSup value
22	*Death *DP End Date *Query End Date	Any combination of two of these three diagnosis codes: L93.0 (DLE), L93.1 (SCLE), L93.2 (other LE)	1	condition1	condition1_L93.0on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition1	condition1_L93.1onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition2	condition2_L93.0on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition2	condition2_L93.2onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition3	condition3_L93.1on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition3	condition3_L93.0onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition4	condition4_L93.1on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition4	condition4_L93.2onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition5	condition5_L93.2on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition5	condition5_L93.0onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition6	condition6_L93.2on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition6	condition6_L93.1onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
23	*Death *DP End Date *Query End Date	Any combination of two of these three diagnosis codes: L93.0 (DLE), L93.1 (SCLE), L93.2 (other LE)	1	condition1	condition1_L93.0on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition1	condition1_L93.1onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition2	condition2_L93.0on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition2	condition2_L93.2onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition3	condition3_L93.1on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition3	condition3_L93.0onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition4	condition4_L93.1on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition4	condition4_L93.2onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition5	condition5_L93.2on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition5	condition5_L93.0onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition6	condition6_L93.2on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition6	condition6_L93.1onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a

**Appendix H. Specifications Defining Parameters Used in this Request**

Inclusion/Exclusion Criteria											
Scenario	Evidence of	Inclusion/exclusion description and codes	Condition Criteria	Condition	condition	Exclusion	Care Setting	Position	Period Start	End	Forced Supply to Attach to Dispensings
#	*Death *DP End Date *Query End Date *Occurrence of an exposure or event		*Inclusion (1) *Exclusion (0)  <i>Indicator for CONLEVEL criterion</i>	Name of inclusion or exclusion criteria specified	Name of inclusion or exclusion criteria within CONDLEVEL values specified		<b>IP:</b> inpatient hospital stays <b>IS:</b> non-acute institutional stays <b>ED:</b> emergency department encounters <b>AV:</b> ambulatory visits <b>OA:</b> other ambulatory visits <b>Blank:</b> Any caresetting	*Any *Principal *Secondary *Unknown  <i>Only applicable for Inpatient and Institutional stays</i>	Numeric specified	Numeric specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the exposure code's RxSup value
24	*Death *DP End Date *Query End Date	Any combination of two of these three diagnosis codes: L93.0 (DLE), L93.1 (SCLE), L93.2 (other LE)	1	condition1	condition1_L93.0on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition1	condition1_L93.1onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition2	condition2_L93.0on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition2	condition2_L93.2onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition3	condition3_L93.1on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition3	condition3_L93.0onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition4	condition4_L93.1on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition4	condition4_L93.2onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
			1	condition5	condition5_L93.2on_index	1	AV* OA*	*Any	0	0	n/a
			1	condition5	condition5_L93.0onorafter_inde	1	AV* OA*	*Any	0	all available data	n/a
25	*Death *DP End Date *Query End Date	alongside evidence of SLE (M32.9) within any time before or after index day	1	SLEchilblains	SLEchilblains	1	AV* OA*	*Any	-all available history	all available data	n/a
			1	SLEchilblains	SLEchilblains	1	AV* OA*	*Any	-all available history	all available data	n/a
26	*Death *DP End Date *Query End Date	alongside evidence of SLE (M32.9) within any time before or after index day	1	SLEchilblains	SLEchilblains	1	AV* OA*	*Any	-all available history	all available data	n/a
			1	SLEchilblains	SLEchilblains	1	AV* OA*	*Any	-all available history	all available data	n/a
27	*Death *DP End Date *Query End Date	alongside evidence of SLE (M32.9) within any time before or after index day	1	SLEchilblains	SLEchilblains	1	AV* OA*	*Any	-all available history	all available data	n/a
			1	SLEchilblains	SLEchilblains	1	AV* OA*	*Any	-all available history	all available data	n/a
28	*Death *DP End Date *Query End Date	alongside evidence of SLE (M32.9) within any time before or after index day	1	SLEchilblains	SLEchilblains	1	AV* OA*	*Any	-all available history	all available data	n/a
			1	SLEchilblains	SLEchilblains	1	AV* OA*	*Any	-all available history	all available data	n/a

International Classification of Diseases, Ninth Revision (ICD-9), International Classification of Diseases, Tenth Revision (ICD-10), Healthcare Common Procedure Coding System (HCPCS), and CPT (Current Procedural Terminology) codes are provided by Optum360. National Drug Codes (NDCs) are checked against FirstDataBank's FDBMedKnowledge®  
N/A: Not Applicable

Appendix H. Specifications Defining Parameters Used in this Request

Scenario	Inclusion/Exclusion Criteria							
	Exclude Evidence of Days Supply if Event Washout Includes Dispensings	Number of Instances for the Condition	Minimum Days Covered in Inclusion/Exclusion Window	Minimum Cumulative Dose	Minimum Average Filled Daily Dose	Maximum Average Filled Daily Dose	Minimum Current Filled Daily Dose	Maximum Current Filled Daily Dose
	N: Lookback period should search for evidence of a date or an interval Y: Lookback period should search for evidence of a date only	Numeric specified	Numeric specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified
#								
1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
6	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
8	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
13	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
14	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
15	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
16	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
17	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
18	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
19	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
20	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
21	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a

**Appendix H. Specifications Defining Parameters Used in this Request**

Scenario	Inclusion/Exclusion Criteria							
	Exclude Evidence of Days Supply if Event Washout Includes Dispensings	Number of Instances for the Condition	Minimum Days Covered in Inclusion/Exclusion Window	Minimum Cumulative Dose	Minimum Average Filled Daily Dose	Maximum Average Filled Daily Dose	Minimum Current Filled Daily Dose	Maximum Current Filled Daily Dose
	N: Lookback period should search for evidence of a date or an interval Y: Lookback period should search for evidence of a date only	Numeric specified	Numeric specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified
#								
22	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
23	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
24	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
25	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
26	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
27	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a
28	n/a	1	n/a	n/a	n/a	n/a	n/a	n/a

International Classification of Diseases, Ninth Revision (ICD-9), International Classification of Diseases, Tenth Revision (ICD-10), Healthcare Common Procedure Coding System (HCPCS), and CPT (Current Procedural Terminology) codes are provided by Optum360.  
 National Drug Codes (NDCs) are checked against FirstDataBank's FDBMedKnowledge®  
 N/A: Not Applicable

Appendix I. Specifications Defining Baseline Characteristic Parameters Used in this Request

Covariate Name	Covariate Number	Combo Covariate Components	Code Category	Care setting	Principal Diagnosis Position	Covariate Evaluation Period Start	Covariate Evaluation Period End	Number of Instances the Covariate Should be Found in Evaluation Period	Forced Supply to Attach to a Code	Lookback Period Date Only	Minimum Cumulative Number of Days	Minimum Average Filled Daily Dose	Maximum Average Filled Daily Dose
Tobacco Use: diagnosed or identified by smoking cessation procedures	1	N/A	N/A	Any	*Diagnosis/ procedure Codes	-all avaiable data	0	1	N/A	n/a	N/A	N/A	N/A
Tobacco Use: identified by smoking-related prescriptions	2	N/A	N/A	Any	*Drug codes	-all avaiable data	0	1	N/A	n/a	N/A	N/A	N/A
Tobacco Use	3	Covariate 1 or Covariate 2	N/A	Any	N/A	N/A	N/A	1	N/A	n/a	N/A	N/A	N/A

N/A: Not Applicable

## Appendix J. Design Diagram of Cohort Entry Requirements and Index Events

We will allow re-entries, meaning that we will include all encounters. Then, we stratify them by age and calendar year. Number of encounters and number of unique patients would be included in the tables.

Scenario\_1: DLE  
Scenario\_5: SCLC  
Scenario\_9: OtherLE  
Scenario\_13: slewsymp  
Scenario\_17: SLEandDLE  
Scenario\_21: MixedCLE  
Scenario\_25: Chilblains

Scenario\_2: DLE\_notu  
Scenario\_6: SCLC\_notu  
Scenario\_10: OtherLE\_notu  
Scenario\_14: slewsymp\_notu  
Scenario\_18: SLEandDLE\_notu  
Scenario\_22: MixedCLE\_notu  
Scenario\_26: Chilblains\_notu

Scenario\_3: DLE\_not99  
Scenario\_7: SCLC\_not99  
Scenario\_11: OtherLE\_not99  
Scenario\_15: slewsymp\_not99  
Scenario\_19: SLEandDLE\_not99  
Scenario\_23: MixedCLE\_not99  
Scenario\_27: Chilblains\_not99

Scenario\_4: DLE\_dermrheum  
Scenario\_8: SCLC\_dermrheum  
Scenario\_12: OtherLE\_dermrheum  
Scenario\_16: slewsymp\_dermrheum  
Scenario\_20: SLEandDLE\_dermrheum  
Scenario\_24: MixedCLE\_dermrheum  
Scenario\_28: Chilblains\_dermrheum

