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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: cdrh_mpl1r_wp005, Report 1 of 2

Request ID: cdrh_mpl1r_wp005_nsdv_v01

Request Description: We estimated the number of intrauterine systems (IUS) insertions, IUS removals, and oral contraceptive dispensings among commercially insured women in the Sentinel Distributed Database (SDD). This is Report 1 of 2, which only includes data from commercial insurers and integrated care delivery systems participating in Sentinel. Report 2 describes IUS insertions, IUS removals, and oral contraceptive dispensings separately among qualifying women enrolled in the Medicare fee-for-service program.

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) tool, version 7.3.3

Data Source: The study period spanned from January 1, 2008 to April 30, 2019 and included data from 16 commercial Data Partners (DP) contributing to the SDD. This request was distributed on September 5, 2019. Please see Appendix A for a list of dates of available data for each DP.

Study Design: We used a cross-sectional design to estimate prevalent exposures of IUS insertions, IUS removals, and oral contraceptive dispensings. Results were stratified by race per the Sentinel Common Data Model (SCDM) racial identifiers: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Pacific Islander, White, and Unknown.

Exposures of Interest: The exposures of interest were insertions of copper-releasing IUS, hormone-releasing IUS, and any IUS and removals of IUS. We also included oral contraceptive dispensings. Please see Appendix B for a list of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) codes used to define IUS insertions and removals. Please see Appendix C for a list of generic and brand names of medical products used to define oral contraceptive dispensings.

Cohort Eligibility Criteria: We restricted our analyses to women. For cohort entry, members were required to be enrolled in plans with medical and drug coverage for at least the 90 days prior to and the 90 days after the index exposure, during which we allowed gaps in coverage of up to 45 days. The following age groups were included in the cohort: 15-19, 20-29, 30-39, and 40-61 years.

Baseline Characteristics: We assessed baseline characteristics in four evaluation windows, including: 1) in the 90 days prior to the day before index exposure; 2) on the date of the index exposure; 3) in the 90 days after the index exposure; 4) throughout all available follow-up after the index exposure. We assessed the following baseline characteristics in each evaluation window: any hypertension, malignant essential hypertension, benign essential hypertension, unspecified essential hypertension, non-essential hypertension, any endometriosis, endometriosis of the uterus, endometriosis of gynecological organs, endometriosis of non-gynecological organs, endometriosis unspecified, all autoimmune conditions, rheumatoid arthritis, lupus, atopic dermatitis or dermatitis/eczema, allergic urticaria or other urticaria, other allergic or inflammatory skin conditions, pelvic inflammatory disease, post-procedural fever, gonococcal genitourinary infections, chlamydia trachomatis infection of peritoneum, uterine perforation or device migration, and mechanical complications due to intrauterine contraceptive device. Additionally, we assessed IUS removals in the various evaluation windows for IUS insertion and oral contraceptive dispensing cohorts. We assessed copper-releasing IUS insertions, hormone-releasing IUS insertions, and any IUS insertions in the various evaluation windows for IUS removal and oral contraceptive dispensing exposure cohorts. Please see Appendix D for a list of ICD-9-CM and ICD-10-CM diagnosis codes used to define baseline characteristics.

Please see Appendix E for the specifications of parameters to define cohort entry. Please see Appendices F.1, F.2, and F.3 for a list of parameters used to define baseline characteristics per exposure cohorts. Please see Appendix G for a design diagram describing the parameters used in this request.

Limitations: Algorithms to define exposures may not have been validated, and thus cohort members may be misclassified. Women may receive contraceptives from sources outside of their health plan. At some Data Partners, race information is not well populated and there are substantial proportions of "unknown" race values. Specifically, two commercial Data Partners that participate in Sentinel do not provide any race data. Therefore, data should be interpreted with this limitation in mind.

Notes: Please contact the Sentinel Operations Center (info@sentinelssystem.org) for questions and to provide comments/suggestions for future enhancements to this document.

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

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.

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. Summary of Women with Intrauterine System (IUS) Insertions, Intrauterine System Removals, or Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, Overall

Overall	Patients	Exposures	Eligible Members¹	Number of Exposed Patients per 10,000 Eligible Members
Copper-releasing IUS insertion	265,931	281,590	53,186,689	50
Hormone-releasing IUS insertion	1,285,141	1,408,678	53,186,689	242
Any IUS insertion	2,784,296	5,387,798	53,186,689	523
IUS removal	1,136,217	1,260,273	53,186,689	214
Oral contraceptive dispensing	10,636,801	130,692,875	53,186,689	2,000
Any IUS insertion, IUS removal, or oral contraceptive dispensing	12,479,562	136,661,714	53,186,689	2,346

¹Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

Table 1b. Summary of Women with Intrauterine System (IUS) Insertions, Intrauterine System Removals, or Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

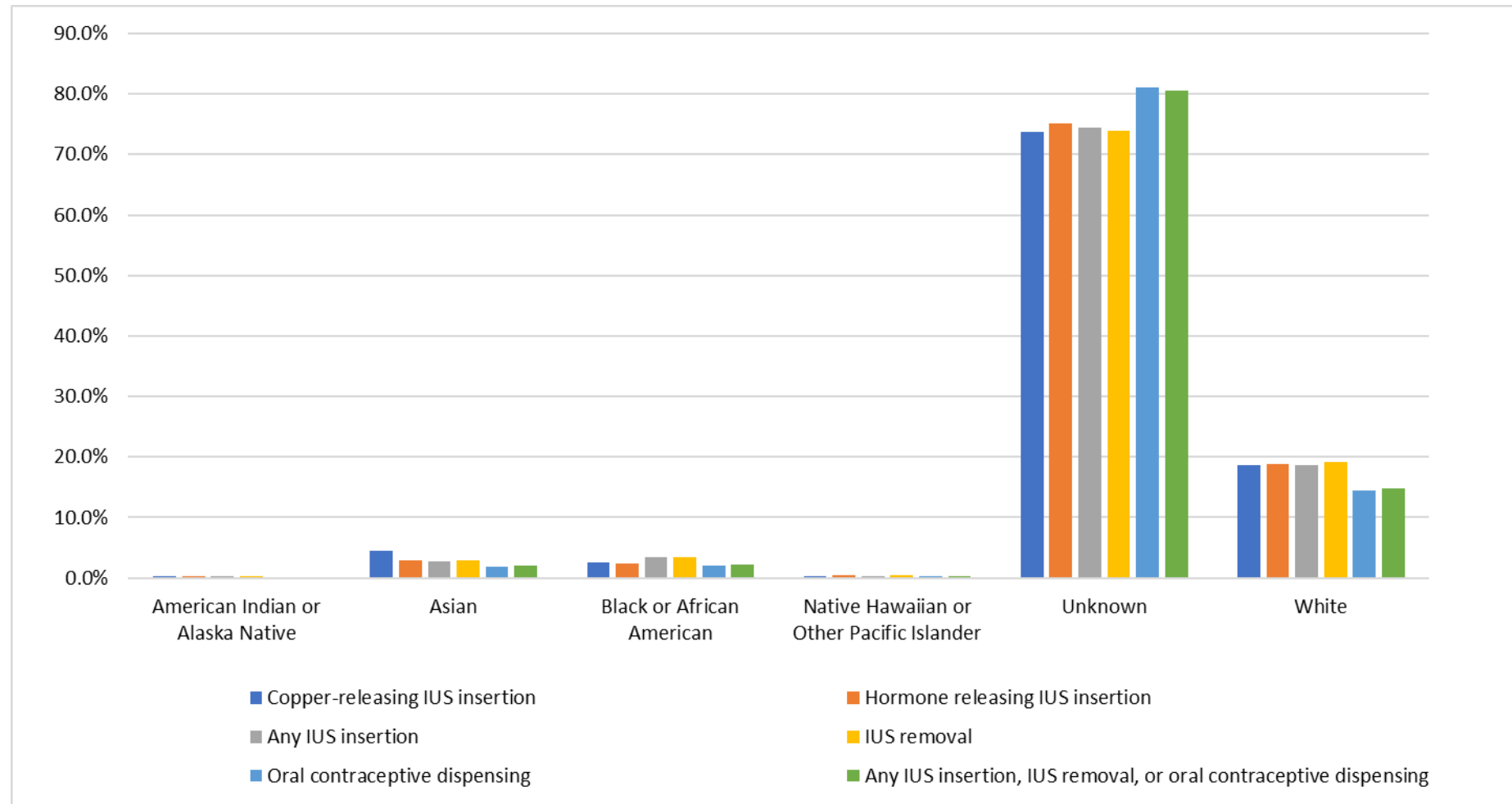
Race	Patients	Exposures	Eligible Members ¹	Number of Exposed Patients per 10,000 Eligible Members
Copper-releasing IUS insertion				
American Indian or Alaska Native	732	796	86,422	85
Asian	11,788	12,883	985,137	120
Black or African American	6,991	7,631	1,148,676	61
Native Hawaiian or Other Pacific Islander	788	851	102,592	77
Unknown	196,013	205,946	44,329,599	44
White	49,619	53,483	6,534,263	76
Hormone-releasing IUS insertion				
American Indian or Alaska Native	3,224	3,694	86,422	373
Asian	37,856	44,546	985,137	384
Black or African American	31,820	36,568	1,148,676	277
Native Hawaiian or Other Pacific Islander	5,789	6,948	102,592	564
Unknown	964,382	1,043,941	44,329,599	218
White	242,070	272,981	6,534,263	370
Any IUS insertion				
American Indian or Alaska Native	7,522	16,757	86,422	870
Asian	76,501	191,002	985,137	777
Black or African American	98,031	224,320	1,148,676	853
Native Hawaiian or Other Pacific Islander	10,522	27,388	102,592	1,026
Unknown	2,073,813	3,808,302	44,329,599	468
White	517,907	1,120,029	6,534,263	793
IUS removal				
American Indian or Alaska Native	3,135	3,636	86,422	363
Asian	32,597	37,988	985,137	331
Black or African American	39,246	46,280	1,148,676	342
Native Hawaiian or Other Pacific Islander	4,369	5,077	102,592	426
Unknown	839,438	919,367	44,329,599	189
White	217,432	247,925	6,534,263	333

Table 1b. Summary of Women with Intrauterine System (IUS) Insertions, Intrauterine System Removals, or Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

Race	Patients	Exposures	Eligible Members ¹	Number of Exposed Patients per 10,000 Eligible Members
Oral contraceptive dispensing				
American Indian or Alaska Native	17,854	208,794	86,422	2,066
Asian	207,218	1,953,824	985,137	2,103
Black or African American	210,015	1,814,403	1,148,676	1,828
Native Hawaiian or Other Pacific Islander	24,643	214,228	102,592	2,402
Unknown	8,632,172	107,429,048	44,329,599	1,947
White	1,544,899	19,072,578	6,534,263	2,364
Any IUS insertion, IUS removal, or oral contraceptive dispensing				
American Indian or Alaska Native	22,473	227,249	86,422	2,600
Asian	257,156	2,163,364	985,137	2,610
Black or African American	269,065	2,062,050	1,148,676	2,342
Native Hawaiian or Other Pacific Islander	30,673	244,010	102,592	2,990
Unknown	10,048,030	111,656,825	44,329,599	2,267
White	1,852,165	20,308,216	6,534,263	2,835

¹Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

Figure 1. Summary of Women¹ with Intrauterine System (IUS) Insertions, Intrauterine System Removals, or Oral Contraceptive Dispensings in the Sentinel Distributed Database² (SDD) between January 1, 2008 and April 30, 2019, by Race



¹Patients may have had multiple exposures in the query period and thus may be included in multiple exposure categories.

²Patients enrolled in the Medicare fee-for-service program are excluded from this report and included in Report #2.

Table 2a. Aggregated Baseline Table for Women with Copper-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

Characteristic ¹	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Number of exposures	281,590		205,946		53,483		7,631		14,530	
Number of unique patients	265,931		196,013		49,619		6,991		13,308	
Demographics	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Mean Age (Years)	31.6	7.2	31.5	7.2	31.6	7.3	31.7	7.1	33.5	6.9
Age (Years)	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
15-19	11,386	4.0%	8,292	4.0%	2,409	4.5%	339	4.4%	346	2.4%
20-29	110,693	39.3%	82,585	40.1%	20,998	39.3%	2,930	38.4%	4,180	28.8%
30-39	120,358	42.7%	87,288	42.40%	22,524	42.1%	3,308	43.3%	7,238	49.8%
40-61	39,153	13.9%	27,781	13.5%	7,552	14.1%	1,054	13.8%	2,766	19.0%
Sex										
Female	265,931	100.0%	196,013	100.0%	49,619	100.0%	6,991	100.0%	13,308	100.0%
Year										
2008	17,329	6.2%	13,038	6.3%	3,038	5.7%	570	7.5%	683	4.7%
2009	21,272	7.6%	15,565	7.6%	4,115	7.7%	685	9.0%	907	6.2%
2010	22,318	7.9%	16,282	7.9%	4,118	7.7%	720	9.4%	1,198	8.2%
2011	20,982	7.5%	15,043	7.3%	4,053	7.6%	688	9.0%	1,198	8.2%
2012	23,725	8.4%	17,210	8.4%	4,555	8.5%	695	9.1%	1,265	8.7%
2013	25,597	9.1%	19,183	9.3%	4,492	8.4%	629	8.2%	1,293	8.9%
2014	30,046	10.7%	22,188	10.8%	5,706	10.7%	763	10.0%	1,389	9.6%
2015	31,696	11.3%	23,255	11.3%	6,030	11.3%	817	10.7%	1,594	11.0%
2016	33,606	11.9%	24,926	12.1%	6,280	11.7%	754	9.9%	1,646	11.3%
2017	35,223	12.5%	26,089	12.7%	6,486	12.1%	801	10.5%	1,847	12.7%
2018	19,791	7.0%	13,164	6.4%	4,608	8.6%	509	6.7%	1,510	10.4%
2019	5	0.0%	3	0.0%	2	0.0%	0	0.0%	0	0.0%

Table 2a. Aggregated Baseline Table for Women with Copper-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
In the prior 90 days to the day before IUS insertion:										
IUS removal	9,737	3.5%	7,261	3.5%	1,701	3.2%	267	3.5%	508	3.5%
Any hypertension	7,484	2.7%	5,587	2.7%	1,060	2.0%	466	6.1%	371	2.6%
Malignant essential hypertension	2,311	0.8%	1,776	0.9%	290	0.5%	126	1.7%	119	0.8%
Benign essential hypertension	3,991	1.4%	3,164	1.5%	480	0.9%	200	2.6%	147	1.0%
Unspecified essential hypertension	5,922	2.1%	4,284	2.1%	891	1.7%	405	5.3%	342	2.4%
Non-essential hypertension	385	0.1%	298	0.1%	41	0.1%	29	0.4%	17	0.1%
Any endometriosis	386	0.1%	309	0.2%	55	0.1%	9	0.1%	13	0.1%
Endometriosis of the uterus	83	0.0%	67	0.0%	12	0.0%	1	0.0%	3	0.0%
Endometriosis of gynecological organs	119	0.0%	93	0.0%	20	0.0%	4	0.1%	2	0.0%
Endometriosis of non-gynecological organs	27	0.0%	24	0.0%	2	0.0%	1	0.0%	0	0.0%
Endometriosis unspecified	209	0.1%	168	0.1%	26	0.0%	5	0.1%	10	0.1%
All autoimmune conditions	2,409	0.9%	1,821	0.9%	435	0.8%	68	0.9%	85	0.6%
Rheumatoid arthritis	817	0.3%	613	0.3%	157	0.3%	19	0.2%	28	0.2%
Lupus	963	0.3%	739	0.4%	134	0.3%	39	0.5%	51	0.4%
Atopic dermatitis or dermatitis eczema	5,497	2.0%	4,018	2.0%	995	1.9%	131	1.7%	353	2.4%
Allergic urticaria or other urticaria	1,169	0.4%	852	0.4%	208	0.4%	34	0.4%	75	0.5%
Other allergic or inflammatory skin conditions	6,006	2.1%	4,318	2.1%	1,224	2.3%	166	2.2%	298	2.1%
Pelvic inflammatory disease	16,326	5.8%	12,960	6.3%	2,253	4.2%	669	8.8%	444	3.1%
Postprocedural fever	42	0.0%	30	0.0%	9	0.0%	1	0.0%	2	0.0%
Gonococcal genitourinary infections	25	0.0%	20	0.0%	5	0.0%	0	0.0%	0	0.0%
Chlamydia trachomatis infection of peritoneum	20	0.0%	12	0.0%	5	0.0%	1	0.0%	2	0.0%

Table 2a. Aggregated Baseline Table for Women with Copper-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Uterine perforation or device migration	803	0.3%	599	0.3%	146	0.3%	24	0.3%	34	0.2%
Mechanical complications due to intrauterine contraceptive device	2,108	0.7%	1,609	0.8%	346	0.6%	52	0.7%	101	0.7%
On the date of IUS insertion:										
IUS removal	24,516	8.7%	17,347	8.4%	4,721	8.8%	680	8.9%	1,768	12.2%
Any hypertension	746	0.3%	443	0.2%	143	0.3%	83	1.1%	77	0.5%
Malignant essential hypertension	279	0.1%	165	0.1%	53	0.1%	21	0.3%	40	0.3%
Benign essential hypertension	386	0.1%	248	0.1%	64	0.1%	31	0.4%	43	0.3%
Unspecified essential hypertension	625	0.2%	346	0.2%	132	0.2%	73	1.0%	74	0.5%
Non-essential hypertension	15	0.0%	13	0.0%	1	0.0%	0	0.0%	1	0.0%
Any endometriosis	99	0.0%	78	0.0%	14	0.0%	4	0.1%	3	0.0%
Endometriosis of the uterus	31	0.0%	24	0.0%	3	0.0%	2	0.0%	2	0.0%
Endometriosis of gynecological organs	49	0.0%	37	0.0%	8	0.0%	3	0.0%	1	0.0%
Endometriosis of non-gynecological organs	8	0.0%	6	0.0%	1	0.0%	1	0.0%	0	0.0%
Endometriosis unspecified	53	0.0%	42	0.0%	8	0.0%	1	0.0%	2	0.0%
All autoimmune conditions	175	0.1%	109	0.1%	42	0.1%	11	0.1%	13	0.1%
Rheumatoid arthritis	53	0.0%	32	0.0%	13	0.0%	3	0.0%	5	0.0%
Lupus	79	0.0%	52	0.0%	15	0.0%	5	0.1%	7	0.0%
Atopic dermatitis or dermatitis eczema	250	0.1%	129	0.1%	80	0.1%	6	0.1%	35	0.2%
Allergic urticaria or other urticaria	35	0.0%	22	0.0%	7	0.0%	3	0.0%	3	0.0%
Other allergic or inflammatory skin conditions	330	0.1%	187	0.1%	93	0.2%	15	0.2%	35	0.2%
Pelvic inflammatory disease	2,921	1.0%	2,267	1.1%	397	0.7%	157	2.1%	100	0.7%
Postprocedural fever	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%

Table 2a. Aggregated Baseline Table for Women with Copper-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Gonococcal genitourinary infections	7	0.0%	5	0.0%	2	0.0%	0	0.0%	0	0.0%
Chlamydia trachomatis infection of peritoneum	4	0.0%	4	0.0%	0	0.0%	0	0.0%	0	0.0%
Uterine perforation or device migration	608	0.2%	467	0.2%	107	0.2%	14	0.2%	20	0.1%
Mechanical complications due to intrauterine contraceptive device	1,876	0.7%	1,479	0.7%	269	0.5%	46	0.6%	82	0.6%
In the 90 days after the date of IUS insertion:										
IUS removal	15,987	5.7%	11,448	5.6%	3,111	5.8%	520	6.8%	908	6.2%
Any hypertension	5,552	2.0%	4,243	2.1%	687	1.3%	369	4.8%	253	1.7%
Malignant essential hypertension	1,801	0.6%	1,381	0.7%	215	0.4%	108	1.4%	97	0.7%
Benign essential hypertension	3,138	1.1%	2,522	1.2%	340	0.6%	162	2.1%	114	0.8%
Unspecified essential hypertension	4,260	1.5%	3,121	1.5%	582	1.1%	319	4.2%	238	1.6%
Non-essential hypertension	244	0.1%	200	0.1%	23	0.0%	18	0.2%	3	0.0%
Any endometriosis	362	0.1%	287	0.1%	59	0.1%	8	0.1%	8	0.1%
Endometriosis of the uterus	89	0.0%	69	0.0%	17	0.0%	2	0.0%	1	0.0%
Endometriosis of gynecological organs	128	0.0%	110	0.1%	16	0.0%	2	0.0%	0	0.0%
Endometriosis of non-gynecological organs	37	0.0%	31	0.0%	5	0.0%	1	0.0%	0	0.0%
Endometriosis unspecified	190	0.1%	148	0.1%	31	0.1%	4	0.1%	7	0.0%
All autoimmune conditions	2,063	0.7%	1,589	0.8%	343	0.6%	56	0.7%	75	0.5%
Rheumatoid arthritis	762	0.3%	582	0.3%	134	0.3%	17	0.2%	29	0.2%
Lupus	835	0.3%	652	0.3%	108	0.2%	34	0.4%	41	0.3%
Atopic dermatitis or dermatitis eczema	5,071	1.8%	3,716	1.8%	912	1.7%	134	1.8%	309	2.1%
Allergic urticaria or other urticaria	1,057	0.4%	764	0.4%	203	0.4%	22	0.3%	68	0.5%

Table 2a. Aggregated Baseline Table for Women with Copper-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Other allergic or inflammatory skin conditions	4,812	1.7%	3,604	1.7%	861	1.6%	140	1.8%	207	1.4%
Pelvic inflammatory disease	13,198	4.7%	10,106	4.9%	2,024	3.8%	647	8.5%	421	2.9%
Postprocedural fever	15	0.0%	10	0.0%	3	0.0%	0	0.0%	2	0.0%
Gonococcal genitourinary infections	10	0.0%	4	0.0%	3	0.0%	3	0.0%	0	0.0%
Chlamydia trachomatis infection of peritoneum	3	0.0%	3	0.0%	0	0.0%	0	0.0%	0	0.0%
Uterine perforation or device migration	2,146	0.8%	1,693	0.8%	328	0.6%	66	0.9%	59	0.4%
Mechanical complications due to intrauterine contraceptive device	3,806	1.4%	3,085	1.5%	495	0.9%	87	1.1%	139	1.0%
In available follow-up after the date of IUS insertion:										
IUS removal	86,022	30.5%	58,569	28.4%	19,148	35.8%	3,174	41.6%	5,131	35.3%
Any hypertension	20,187	7.2%	14,760	7.2%	3,117	5.8%	1,204	15.8%	1,106	7.6%
Malignant essential hypertension	13,137	4.7%	9,088	4.4%	2,194	4.1%	895	11.7%	960	6.6%
Benign essential hypertension	16,017	5.7%	11,540	5.6%	2,492	4.7%	997	13.1%	988	6.8%
Unspecified essential hypertension	18,052	6.4%	12,947	6.3%	2,901	5.4%	1,126	14.8%	1,078	7.4%
Non-essential hypertension	1,340	0.5%	1,022	0.5%	172	0.3%	94	1.2%	52	0.4%
Any endometriosis	3,595	1.3%	2,717	1.3%	634	1.2%	117	1.5%	127	0.9%
Endometriosis of the uterus	1,570	0.6%	1,166	0.6%	270	0.5%	71	0.9%	63	0.4%
Endometriosis of gynecological organs	1,523	0.5%	1,190	0.6%	262	0.5%	25	0.3%	46	0.3%
Endometriosis of non-gynecological organs	329	0.1%	267	0.1%	44	0.1%	14	0.2%	4	0.0%
Endometriosis unspecified	1,785	0.6%	1,377	0.7%	315	0.6%	37	0.5%	56	0.4%
All autoimmune conditions	6,954	2.5%	5,401	2.6%	1,155	2.2%	182	2.4%	216	1.5%
Rheumatoid arthritis	2,902	1.0%	2,275	1.1%	468	0.9%	78	1.0%	81	0.6%

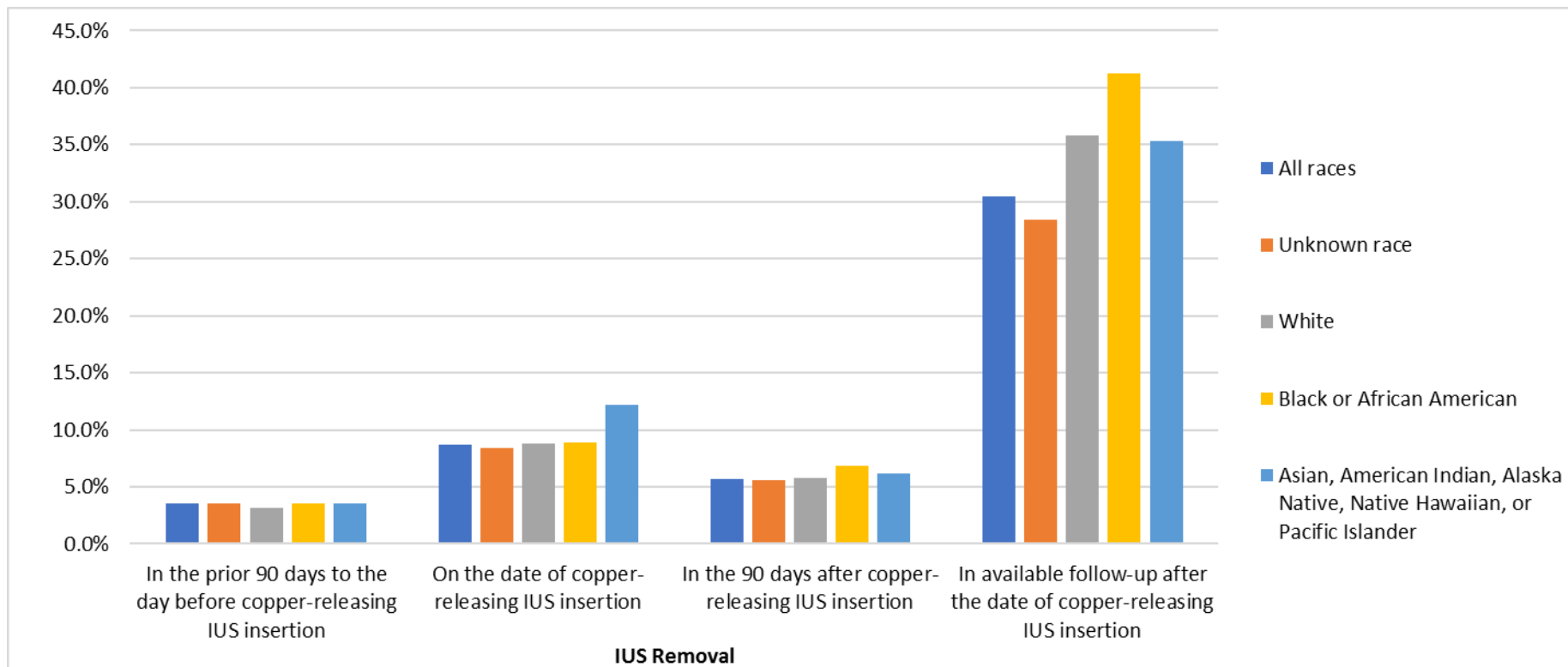
Table 2a. Aggregated Baseline Table for Women with Copper-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Lupus	2,649	0.9%	2,058	1.0%	379	0.7%	81	1.1%	131	0.9%
Atopic dermatitis or dermatitis eczema	38,846	13.8%	26,706	13.0%	8,144	15.2%	1,240	16.2%	2,756	19.0%
Allergic urticaria or other urticaria	8,029	2.9%	5,427	2.6%	1,573	2.9%	307	4.0%	722	5.0%
Other allergic or inflammatory skin conditions	34,750	12.3%	24,161	11.7%	7,407	13.8%	1,279	16.8%	1,903	13.1%
Pelvic inflammatory disease	59,712	21.2%	43,512	21.1%	10,768	20.1%	2,924	38.3%	2,508	17.3%
Postprocedural fever	153	0.1%	103	0.1%	29	0.1%	10	0.1%	11	0.1%
Gonococcal genitourinary infections	54	0.0%	38	0.0%	8	0.0%	8	0.1%	0	0.0%
Chlamydia trachomatis infection of peritoneum	47	0.0%	27	0.0%	12	0.0%	6	0.1%	2	0.0%
Uterine perforation or device migration	5,893	2.1%	4,508	2.2%	1,015	1.9%	191	2.5%	179	1.2%
Mechanical complications due to intrauterine contraceptive device	10,658	3.8%	8,134	3.9%	1,706	3.2%	352	4.6%	466	3.2%

¹All metrics are based on total number of episodes per group, except for sex and race which are based on total number of unique members.

Figure 2. Copper-Releasing Intrauterine System (IUS) Insertion Exposures with Baseline Characteristics in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 2ai. Proportion of Copper-Releasing Intrauterine System Insertion Exposures with an Intrauterine System Removal, by Race¹



¹Race is unknown for 73.7% of patients with a copper-releasing IUS insertion. See Figure 1 for more details.

Figure 2. Copper-Releasing Intrauterine System (IUS) Insertion Exposures with Baseline Characteristics in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 2b. Proportion of Copper-Releasing Intrauterine System Insertion Exposures with Baseline Characteristics, All Races

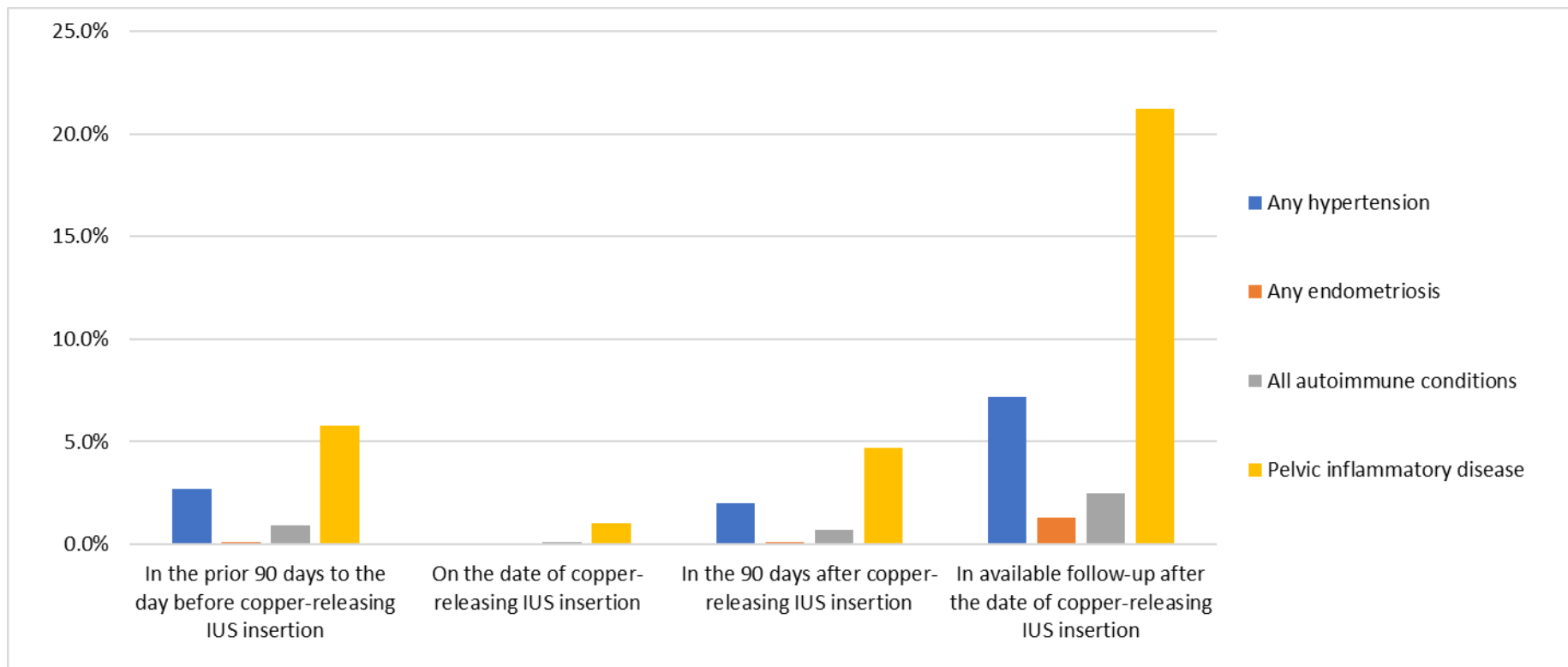


Table 2b. Aggregated Baseline Table for Women with Hormone-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

Characteristic ¹	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Number of exposures	1,408,678		1,043,941		272,981		36,568		55,188	
Number of unique patients	1,285,141		964,382		242,070		31,820		46,869	
Demographics	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Mean Age (Years)	33	8.3	33	8.3	33	8.6	32	8.5	34	8.0
Age (Years)	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
15-19	78,900	5.6%	58,588	5.6%	15,770	5.8%	2,496	6.8%	2,046	3.7%
20-29	485,015	34.4%	367,155	35.2%	88,485	32.4%	13,468	36.8%	15,907	28.8%
30-39	545,599	38.7%	405,536	38.8%	103,303	37.8%	13,013	35.6%	23,747	43.0%
40-61	299,164	21.2%	212,662	20.4%	65,423	24.0%	7,591	20.8%	13,488	24.4%
Sex										
Female	1,285,141	100.0%	964,382	100.0%	242,070	100.0%	31,820	100.0%	46,869	100.0%
Year										
2008	84,605	6.0%	63,797	6.1%	15,788	5.8%	2,502	6.8%	2,518	4.6%
2009	100,209	7.1%	73,539	7.0%	20,140	7.4%	3,242	8.9%	3,288	6.0%
2010	80,861	5.7%	58,499	5.6%	16,018	5.9%	2,797	7.6%	3,547	6.4%
2011	87,567	6.2%	63,369	6.1%	17,333	6.3%	2,885	7.9%	3,980	7.2%
2012	95,922	6.8%	69,685	6.7%	19,191	7.0%	2,871	7.9%	4,175	7.6%
2013	115,796	8.2%	88,054	8.4%	20,367	7.5%	2,760	7.5%	4,615	8.4%
2014	150,749	10.7%	111,833	10.7%	29,459	10.8%	3,769	10.3%	5,688	10.3%
2015	173,706	12.3%	130,168	12.5%	33,141	12.1%	4,101	11.2%	6,296	11.4%
2016	190,841	13.5%	143,647	13.8%	35,987	13.2%	4,102	11.2%	7,105	12.9%
2017	206,048	14.6%	155,073	14.9%	38,577	14.1%	4,507	12.3%	7,891	14.3%
2018	122,363	8.7%	86,273	8.3%	26,973	9.9%	3,032	8.3%	6,085	11.0%
2019	11	0.0%	4	0.0%	7	0.0%	0	0.0%	0	0.0%

Table 2b. Aggregated Baseline Table for Women with Hormone-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
In the prior 90 days to the day before IUS insertion:										
IUS removal	33,969	2.4%	26,394	2.5%	5,513	2.0%	914	2.5%	1,148	2.1%
Any hypertension	54,891	3.9%	40,520	3.9%	9,110	3.3%	3,010	8.2%	2,251	4.1%
Malignant essential hypertension	21,081	1.5%	15,833	1.5%	3,276	1.2%	1,091	3.0%	881	1.6%
Benign essential hypertension	32,137	2.3%	25,224	2.4%	4,458	1.6%	1,447	4.0%	1,008	1.8%
Unspecified essential hypertension	45,055	3.2%	32,246	3.1%	8,037	2.9%	2,668	7.3%	2,104	3.8%
Non-essential hypertension	2,065	0.1%	1,485	0.1%	300	0.1%	144	0.4%	136	0.2%
Any endometriosis	8,922	0.6%	6,943	0.7%	1,526	0.6%	210	0.6%	243	0.4%
Endometriosis of the uterus	2,543	0.2%	2,031	0.2%	345	0.1%	86	0.2%	81	0.1%
Endometriosis of gynecological organs	2,596	0.2%	2,078	0.2%	417	0.2%	43	0.1%	58	0.1%
Endometriosis of non-gynecological organs	484	0.0%	415	0.0%	52	0.0%	10	0.0%	7	0.0%
Endometriosis unspecified	5,031	0.4%	3,876	0.4%	941	0.3%	94	0.3%	120	0.2%
All autoimmune conditions	12,891	0.9%	9,798	0.9%	2,365	0.9%	373	1.0%	355	0.6%
Rheumatoid arthritis	5,044	0.4%	3,845	0.4%	975	0.4%	100	0.3%	124	0.2%
Lupus	4,423	0.3%	3,361	0.3%	686	0.3%	183	0.5%	193	0.3%
Atopic dermatitis or dermatitis eczema	26,439	1.9%	19,413	1.9%	4,959	1.8%	759	2.1%	1,308	2.4%
Allergic urticaria or other urticaria	5,490	0.4%	3,958	0.4%	1,057	0.4%	161	0.4%	314	0.6%
Other allergic or inflammatory skin conditions	29,032	2.1%	21,204	2.0%	6,008	2.2%	730	2.0%	1,090	2.0%
Pelvic inflammatory disease	67,843	4.8%	53,520	5.1%	9,700	3.6%	2,990	8.2%	1,633	3.0%
Postprocedural fever	174	0.0%	132	0.0%	33	0.0%	1	0.0%	8	0.0%
Gonococcal genitourinary infections	42	0.0%	38	0.0%	2	0.0%	2	0.0%	0	0.0%
Chlamydia trachomatis infection of peritoneum	128	0.0%	73	0.0%	21	0.0%	19	0.1%	15	0.0%

Table 2b. Aggregated Baseline Table for Women with Hormone-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Uterine perforation or device migration	3,109	0.2%	2,358	0.2%	560	0.2%	94	0.3%	97	0.2%
Mechanical complications due to intrauterine contraceptive device	7,603	0.5%	5,957	0.6%	1,164	0.4%	216	0.6%	266	0.5%
On the date of IUS insertion:										
IUS removal	210,029	14.9%	156,600	15.0%	40,950	15.0%	4,465	12.2%	8,014	14.5%
Any hypertension	6,214	0.4%	3,550	0.3%	1,589	0.6%	574	1.6%	501	0.9%
Malignant essential hypertension	2,779	0.2%	1,654	0.2%	676	0.2%	239	0.7%	210	0.4%
Benign essential hypertension	3,344	0.2%	2,088	0.2%	763	0.3%	265	0.7%	228	0.4%
Unspecified essential hypertension	5,550	0.4%	3,043	0.3%	1,490	0.5%	541	1.5%	476	0.9%
Non-essential hypertension	123	0.0%	86	0.0%	20	0.0%	9	0.0%	8	0.0%
Any endometriosis	4,075	0.3%	2,981	0.3%	870	0.3%	100	0.3%	124	0.2%
Endometriosis of the uterus	1,129	0.1%	860	0.1%	183	0.1%	42	0.1%	44	0.1%
Endometriosis of gynecological organs	1,504	0.1%	1,148	0.1%	303	0.1%	20	0.1%	33	0.1%
Endometriosis of non-gynecological organs	227	0.0%	188	0.0%	34	0.0%	3	0.0%	2	0.0%
Endometriosis unspecified	2,142	0.2%	1,552	0.1%	498	0.2%	39	0.1%	53	0.1%
All autoimmune conditions	977	0.1%	606	0.1%	263	0.1%	52	0.1%	56	0.1%
Rheumatoid arthritis	333	0.0%	209	0.0%	98	0.0%	11	0.0%	15	0.0%
Lupus	359	0.0%	219	0.0%	80	0.0%	26	0.1%	34	0.1%
Atopic dermatitis or dermatitis eczema	1,139	0.1%	643	0.1%	316	0.1%	53	0.1%	127	0.2%
Allergic urticaria or other urticaria	170	0.0%	98	0.0%	43	0.0%	4	0.0%	25	0.0%
Other allergic or inflammatory skin conditions	1,863	0.1%	1,079	0.1%	582	0.2%	70	0.2%	132	0.2%
Pelvic inflammatory disease	12,963	0.9%	9,584	0.9%	2,247	0.8%	716	2.0%	416	0.8%
Postprocedural fever	1	0.0%	0	0.0%	1	0.0%	0	0.0%	0	0.0%

Table 2b. Aggregated Baseline Table for Women with Hormone-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Gonococcal genitourinary infections	5	0.0%	3	0.0%	1	0.0%	1	0.0%	0	0.0%
Chlamydia trachomatis infection of peritoneum	14	0.0%	7	0.0%	3	0.0%	3	0.0%	1	0.0%
Uterine perforation or device migration	2,322	0.2%	1,828	0.2%	370	0.1%	64	0.2%	60	0.1%
Mechanical complications due to intrauterine contraceptive device	7,827	0.6%	6,227	0.6%	1,158	0.4%	230	0.6%	212	0.4%
In the 90 days after the date of IUS insertion:										
IUS removal	67,617	4.8%	51,904	5.0%	11,250	4.1%	2,028	5.5%	2,435	4.4%
Any hypertension	43,772	3.1%	32,915	3.2%	6,728	2.5%	2,425	6.6%	1,704	3.1%
Malignant essential hypertension	18,364	1.3%	14,066	1.3%	2,641	1.0%	958	2.6%	699	1.3%
Benign essential hypertension	27,332	1.9%	21,717	2.1%	3,579	1.3%	1,241	3.4%	795	1.4%
Unspecified essential hypertension	35,490	2.5%	25,885	2.5%	5,860	2.1%	2,157	5.9%	1,588	2.9%
Non-essential hypertension	1,492	0.1%	1,101	0.1%	196	0.1%	98	0.3%	97	0.2%
Any endometriosis	5,829	0.4%	4,468	0.4%	1,066	0.4%	126	0.3%	169	0.3%
Endometriosis of the uterus	2,015	0.1%	1,551	0.1%	333	0.1%	56	0.2%	75	0.1%
Endometriosis of gynecological organs	1,702	0.1%	1,346	0.1%	293	0.1%	25	0.1%	38	0.1%
Endometriosis of non-gynecological organs	297	0.0%	244	0.0%	45	0.0%	4	0.0%	4	0.0%
Endometriosis unspecified	3,040	0.2%	2,349	0.2%	565	0.2%	51	0.1%	75	0.1%
All autoimmune conditions	11,560	0.8%	8,785	0.8%	2,136	0.8%	345	0.9%	294	0.5%
Rheumatoid arthritis	4,843	0.3%	3,726	0.4%	909	0.3%	103	0.3%	105	0.2%
Lupus	3,819	0.3%	2,918	0.3%	588	0.2%	159	0.4%	154	0.3%
Atopic dermatitis or dermatitis eczema	24,978	1.8%	18,961	1.8%	4,329	1.6%	613	1.7%	1,075	1.9%
Allergic urticaria or other urticaria	5,011	0.4%	3,751	0.4%	833	0.3%	162	0.4%	265	0.5%

Table 2b. Aggregated Baseline Table for Women with Hormone-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Other allergic or inflammatory skin conditions	24,386	1.7%	18,521	1.8%	4,551	1.7%	612	1.7%	702	1.3%
Pelvic inflammatory disease	49,797	3.5%	37,968	3.6%	8,032	2.9%	2,473	6.8%	1,324	2.4%
Postprocedural fever	108	0.0%	79	0.0%	22	0.0%	3	0.0%	4	0.0%
Gonococcal genitourinary infections	32	0.0%	29	0.0%	1	0.0%	2	0.0%	0	0.0%
Chlamydia trachomatis infection of peritoneum	11	0.0%	8	0.0%	2	0.0%	1	0.0%	0	0.0%
Uterine perforation or device migration	7,750	0.6%	6,145	0.6%	1,254	0.5%	169	0.5%	182	0.3%
Mechanical complications due to intrauterine contraceptive device	15,144	1.1%	12,458	1.2%	1,910	0.7%	353	1.0%	423	0.8%
In all available follow-up after the date of IUS insertion:										
IUS removal	387,633	27.5%	271,614	26.0%	83,573	30.6%	13,772	37.7%	18,674	33.8%
Any hypertension	142,790	10.1%	103,107	9.9%	25,739	9.4%	7,724	21.1%	6,220	11.3%
Malignant essential hypertension	103,684	7.4%	71,934	6.9%	19,994	7.3%	6,254	17.1%	5,502	10.0%
Benign essential hypertension	119,984	8.5%	85,836	8.2%	21,750	8.0%	6,752	18.5%	5,646	10.2%
Unspecified essential hypertension	132,168	9.4%	94,082	9.0%	24,562	9.0%	7,423	20.3%	6,101	11.1%
Non-essential hypertension	8,053	0.6%	5,751	0.6%	1,310	0.5%	618	1.7%	374	0.7%
Any endometriosis	29,877	2.1%	21,988	2.1%	5,947	2.2%	1,013	2.8%	929	1.7%
Endometriosis of the uterus	15,072	1.1%	10,963	1.1%	2,893	1.1%	687	1.9%	529	1.0%
Endometriosis of gynecological organs	10,472	0.7%	8,021	0.8%	2,004	0.7%	189	0.5%	258	0.5%
Endometriosis of non-gynecological organs	2,267	0.2%	1,792	0.2%	368	0.1%	54	0.1%	53	0.1%
Endometriosis unspecified	14,109	1.0%	10,646	1.0%	2,833	1.0%	295	0.8%	335	0.6%
All autoimmune conditions	35,024	2.5%	26,621	2.6%	6,546	2.4%	997	2.7%	860	1.6%
Rheumatoid arthritis	15,608	1.1%	11,922	1.1%	2,943	1.1%	397	1.1%	346	0.6%

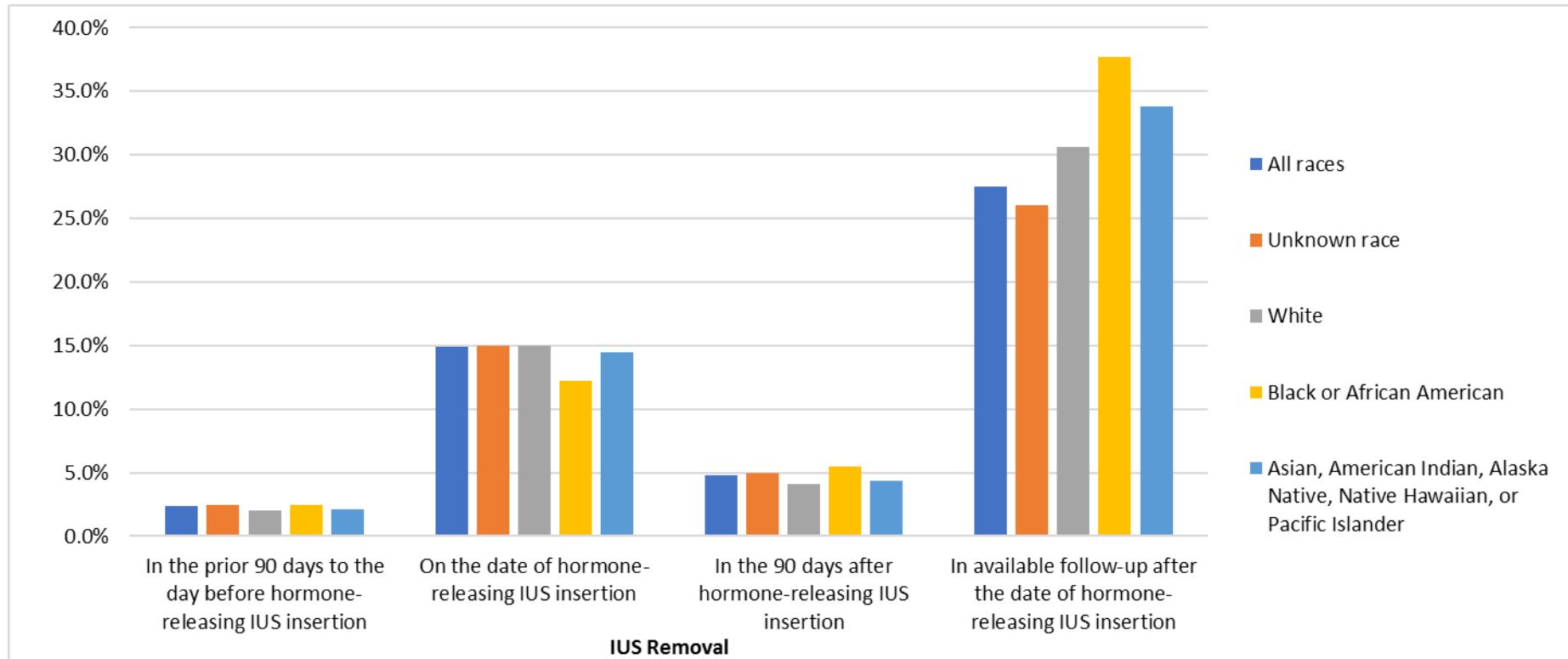
Table 2b. Aggregated Baseline Table for Women with Hormone-Releasing Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Lupus	12,171	0.9%	9,337	0.9%	2,017	0.7%	417	1.1%	400	0.7%
Atopic dermatitis or dermatitis eczema	185,610	13.2%	130,160	12.5%	39,614	14.5%	5,870	16.1%	9,966	18.1%
Allergic urticaria or other urticaria	38,331	2.7%	26,122	2.5%	7,974	2.9%	1,504	4.1%	2,731	4.9%
Other allergic or inflammatory skin conditions	168,975	12.0%	120,099	11.5%	36,835	13.5%	5,347	14.6%	6,694	12.1%
Pelvic inflammatory disease	248,730	17.7%	180,204	17.3%	46,503	17.0%	13,346	36.5%	8,677	15.7%
Postprocedural fever	922	0.1%	632	0.1%	227	0.1%	28	0.1%	35	0.1%
Gonococcal genitourinary infections	219	0.0%	148	0.0%	34	0.0%	35	0.1%	2	0.0%
Chlamydia trachomatis infection of peritoneum	246	0.0%	117	0.0%	64	0.0%	51	0.1%	14	0.0%
Uterine perforation or device migration	21,417	1.5%	16,404	1.6%	3,741	1.4%	657	1.8%	615	1.1%
Mechanical complications due to intrauterine contraceptive device	44,556	3.2%	34,539	3.3%	6,875	2.5%	1,549	4.2%	1,593	2.9%

¹All metrics are based on total number of episodes per group, except for sex and race which are based on total number of unique members.

Figure 3. Hormone-Releasing Intrauterine System (IUS) Insertion Exposures with Baseline Characteristics in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 3a. Proportion of Hormone-Releasing Intrauterine System Insertion Exposures with an Intrauterine System Removal, by Race¹



¹Race is unknown for 75.0% of patients with a hormone-releasing IUS insertion. See Figure 1 for more details.

Figure 3. Hormone-Releasing Intrauterine System (IUS) Insertion Exposures with Baseline Characteristics in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 3b. Proportion of Hormone-Releasing Intrauterine System Insertion Exposures with Baseline Characteristics, All Races

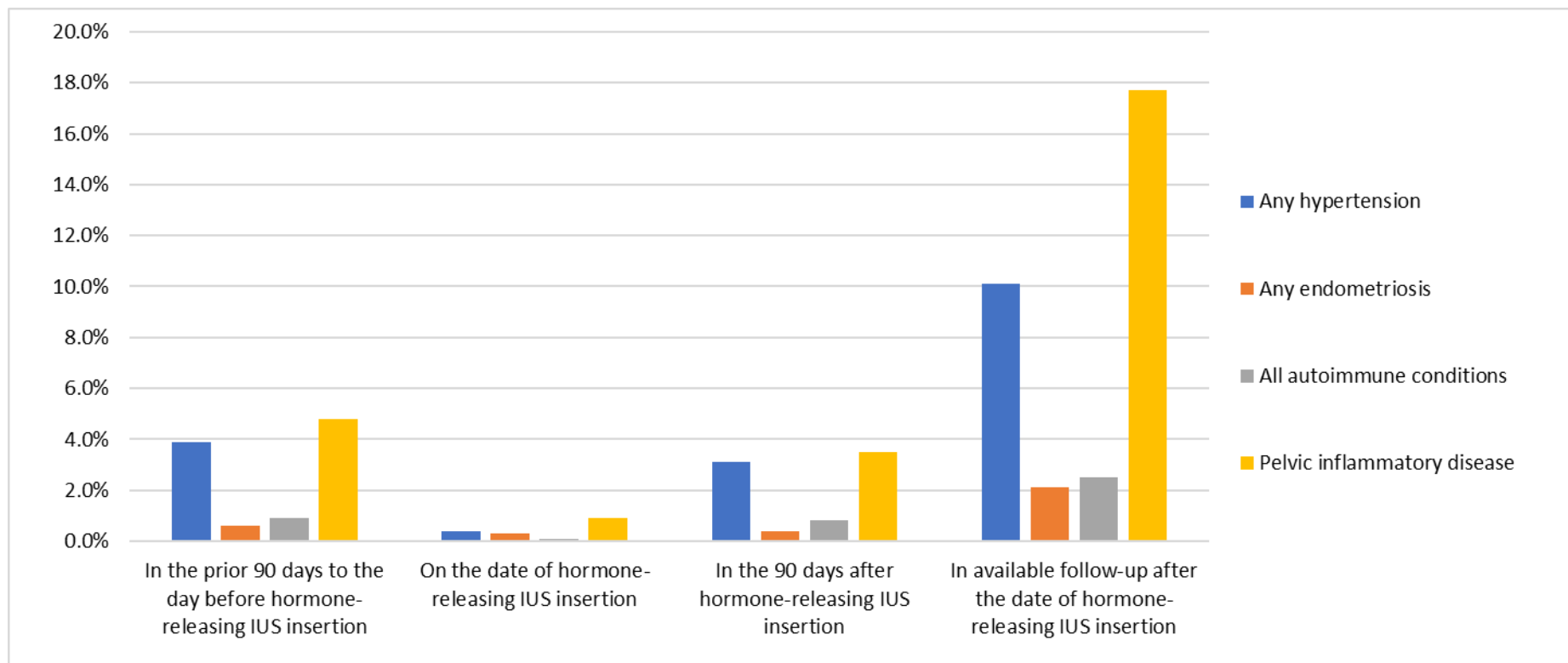


Table 2c. Aggregated Baseline Table for Women with Any Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

Characteristic ¹	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Number of exposures	5,387,798		3,808,302		1,120,029		224,320		235,147	
Number of unique patients	2,784,296		2,073,813		517,907		98,031		94,545	
Demographics	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Mean Age (Years)	32.0	8.7	31.7	8.6	32.7	8.8	31.4	8.5	34.4	8.3
Age (Years)	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
15-19	443,058	8.2%	328,385	8.6%	83,868	7.5%	21,720	9.7%	9,085	3.9%
20-29	1,943,536	36.1%	1,406,482	36.9%	386,431	34.5%	85,827	38.3%	64,796	27.6%
30-39	1,924,811	35.7%	1,359,529	35.7%	393,246	35.1%	74,086	33.0%	97,950	41.7%
40-61	1,076,393	20.0%	713,906	18.7%	256,484	22.9%	42,687	19.0%	63,316	26.9%
Sex										
Female	2,784,296	100.0%	2,073,813	100.0%	517,907	100.0%	98,031	100.0%	94,545	100.0%
Year										
2008	307,179	5.7%	206,187	5.4%	72,285	6.5%	14,581	6.5%	14,126	6.0%
2009	377,112	7.0%	253,213	6.6%	88,877	7.9%	18,355	8.2%	16,667	7.1%
2010	378,086	7.0%	252,829	6.6%	88,686	7.9%	18,985	8.5%	17,586	7.5%
2011	380,413	7.1%	255,306	6.7%	88,640	7.9%	18,860	8.4%	17,607	7.5%
2012	435,127	8.1%	295,293	7.8%	98,740	8.8%	21,638	9.6%	19,456	8.3%
2013	506,873	9.4%	359,598	9.4%	103,254	9.2%	22,901	10.2%	21,120	9.0%
2014	574,759	10.7%	414,269	10.9%	112,424	10.0%	24,951	11.1%	23,115	9.8%
2015	634,320	11.8%	465,006	12.2%	119,563	10.7%	25,154	11.2%	24,597	10.5%
2016	641,829	11.9%	476,140	12.5%	118,594	10.6%	21,176	9.4%	25,919	11.0%
2017	714,103	13.3%	533,450	14.0%	128,761	11.5%	22,596	10.1%	29,296	12.5%
2018	436,190	8.1%	296,775	7.8%	98,814	8.8%	15,063	6.7%	25,538	10.9%
2019	1,807	0.0%	236	0.0%	1,391	0.1%	60	0.0%	120	0.1%

Table 2c. Aggregated Baseline Table for Women with Any Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
In the prior 90 days to the day before IUS insertion:										
IUS removal	206,338	3.8%	158,622	4.2%	33,805	3.0%	6,394	2.9%	7,517	3.2%
Any hypertension	197,385	3.7%	134,924	3.5%	36,122	3.2%	17,337	7.7%	9,002	3.8%
Malignant essential hypertension	70,593	1.3%	50,618	1.3%	11,267	1.0%	5,518	2.5%	3,190	1.4%
Benign essential hypertension	111,971	2.1%	83,070	2.2%	17,013	1.5%	7,965	3.6%	3,923	1.7%
Unspecified essential hypertension	160,453	3.0%	106,089	2.8%	31,031	2.8%	15,092	6.7%	8,241	3.5%
Non-essential hypertension	8,004	0.1%	5,236	0.1%	1,335	0.1%	900	0.4%	533	0.2%
Any endometriosis	27,978	0.5%	20,678	0.5%	5,595	0.5%	877	0.4%	828	0.4%
Endometriosis of the uterus	7,181	0.1%	5,583	0.1%	1,023	0.1%	324	0.1%	251	0.1%
Endometriosis of gynecological organs	8,453	0.2%	6,463	0.2%	1,569	0.1%	188	0.1%	233	0.1%
Endometriosis of non-gynecological organs	1,566	0.0%	1,284	0.0%	209	0.0%	46	0.0%	27	0.0%
Endometriosis unspecified	16,418	0.3%	11,870	0.3%	3,692	0.3%	435	0.2%	421	0.2%
All autoimmune conditions	49,051	0.9%	34,915	0.9%	10,158	0.9%	2,409	1.1%	1,569	0.7%
Rheumatoid arthritis	19,343	0.4%	14,018	0.4%	4,180	0.4%	607	0.3%	538	0.2%
Lupus	17,884	0.3%	12,796	0.3%	2,954	0.3%	1,245	0.6%	889	0.4%
Atopic dermatitis or dermatitis eczema	104,135	1.9%	72,956	1.9%	20,870	1.9%	4,690	2.1%	5,619	2.4%
Allergic urticaria or other urticaria	21,895	0.4%	15,097	0.4%	4,421	0.4%	1,010	0.5%	1,367	0.6%
Other allergic or inflammatory skin conditions	107,729	2.0%	75,489	2.0%	23,302	2.1%	4,589	2.0%	4,349	1.8%
Pelvic inflammatory disease	269,058	5.0%	198,650	5.2%	43,272	3.9%	19,915	8.9%	7,221	3.1%
Postprocedural fever	549	0.0%	398	0.0%	118	0.0%	13	0.0%	20	0.0%
Gonococcal genitourinary infections	225	0.0%	183	0.0%	19	0.0%	21	0.0%	2	0.0%
Chlamydia trachomatis infection of peritoneum	322	0.0%	183	0.0%	63	0.0%	48	0.0%	28	0.0%

Table 2c. Aggregated Baseline Table for Women with Any Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Uterine perforation or device migration	16,656	0.3%	12,327	0.3%	3,158	0.3%	658	0.3%	513	0.2%
Mechanical complications due to intrauterine contraceptive device	39,299	0.7%	30,473	0.8%	6,030	0.5%	1,451	0.6%	1,345	0.6%
On the date of IUS insertion:										
IUS removal	504,962	9.4%	378,260	9.9%	94,357	8.4%	15,323	6.8%	17,022	7.2%
Any hypertension	49,934	0.9%	27,136	0.7%	12,725	1.1%	6,216	2.8%	3,857	1.6%
Malignant essential hypertension	20,254	0.4%	11,618	0.3%	4,799	0.4%	2,286	1.0%	1,551	0.7%
Benign essential hypertension	25,665	0.5%	15,330	0.4%	5,840	0.5%	2,742	1.2%	1,753	0.7%
Unspecified essential hypertension	43,577	0.8%	23,045	0.6%	11,480	1.0%	5,556	2.5%	3,496	1.5%
Non-essential hypertension	1,563	0.0%	706	0.0%	361	0.0%	264	0.1%	232	0.1%
Any endometriosis	18,944	0.4%	13,212	0.3%	4,390	0.4%	638	0.3%	704	0.3%
Endometriosis of the uterus	5,279	0.1%	3,915	0.1%	870	0.1%	277	0.1%	217	0.1%
Endometriosis of gynecological organs	6,348	0.1%	4,641	0.1%	1,341	0.1%	142	0.1%	224	0.1%
Endometriosis of non-gynecological organs	992	0.0%	804	0.0%	144	0.0%	20	0.0%	24	0.0%
Endometriosis unspecified	9,562	0.2%	6,446	0.2%	2,542	0.2%	247	0.1%	327	0.1%
All autoimmune conditions	8,211	0.2%	4,568	0.1%	2,522	0.2%	646	0.3%	475	0.2%
Rheumatoid arthritis	3,047	0.1%	1,780	0.0%	998	0.1%	140	0.1%	129	0.1%
Lupus	3,034	0.1%	1,711	0.0%	697	0.1%	314	0.1%	312	0.1%
Atopic dermatitis or dermatitis eczema	11,100	0.2%	5,710	0.1%	3,229	0.3%	854	0.4%	1,307	0.6%
Allergic urticaria or other urticaria	1,907	0.0%	1,020	0.0%	517	0.0%	123	0.1%	247	0.1%
Other allergic or inflammatory skin conditions	19,612	0.4%	10,245	0.3%	6,244	0.6%	1,301	0.6%	1,822	0.8%
Pelvic inflammatory disease	172,813	3.2%	115,274	3.0%	34,058	3.0%	15,863	7.1%	7,618	3.2%
Postprocedural fever	120	0.0%	78	0.0%	27	0.0%	7	0.0%	8	0.0%

Table 2c. Aggregated Baseline Table for Women with Any Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Gonococcal genitourinary infections	112	0.0%	89	0.0%	10	0.0%	10	0.0%	3	0.0%
Chlamydia trachomatis infection of peritoneum	63	0.0%	48	0.0%	8	0.0%	6	0.0%	1	0.0%
Uterine perforation or device migration	16,039	0.3%	12,566	0.3%	2,582	0.2%	492	0.2%	399	0.2%
Mechanical complications due to intrauterine contraceptive device	41,368	0.8%	33,194	0.9%	5,777	0.5%	1,302	0.6%	1,095	0.5%
In the 90 days after the date of IUS insertion:										
IUS removal	302,329	5.6%	209,399	5.5%	64,735	5.8%	14,375	6.4%	13,820	5.9%
Any hypertension	173,761	3.2%	119,707	3.1%	30,941	2.8%	15,425	6.9%	7,688	3.3%
Malignant essential hypertension	67,199	1.2%	48,314	1.3%	10,728	1.0%	5,220	2.3%	2,937	1.2%
Benign essential hypertension	102,827	1.9%	76,323	2.0%	15,635	1.4%	7,334	3.3%	3,535	1.5%
Unspecified essential hypertension	141,278	2.6%	94,210	2.5%	26,567	2.4%	13,469	6.0%	7,032	3.0%
Non-essential hypertension	6,832	0.1%	4,426	0.1%	1,158	0.1%	801	0.4%	447	0.2%
Any endometriosis	27,920	0.5%	20,082	0.5%	5,928	0.5%	978	0.4%	932	0.4%
Endometriosis of the uterus	9,931	0.2%	7,205	0.2%	1,840	0.2%	487	0.2%	399	0.2%
Endometriosis of gynecological organs	9,394	0.2%	7,072	0.2%	1,835	0.2%	194	0.1%	293	0.1%
Endometriosis of non-gynecological organs	1,570	0.0%	1,227	0.0%	266	0.0%	43	0.0%	34	0.0%
Endometriosis unspecified	14,019	0.3%	9,960	0.3%	3,301	0.3%	370	0.2%	388	0.2%
All autoimmune conditions	47,010	0.9%	33,453	0.9%	9,778	0.9%	2,330	1.0%	1,449	0.6%
Rheumatoid arthritis	19,201	0.4%	13,999	0.4%	4,094	0.4%	616	0.3%	492	0.2%
Lupus	16,973	0.3%	12,163	0.3%	2,807	0.3%	1,177	0.5%	826	0.4%
Atopic dermatitis or dermatitis eczema	101,004	1.9%	71,762	1.9%	19,782	1.8%	4,320	1.9%	5,140	2.2%
Allergic urticaria or other urticaria	21,368	0.4%	14,955	0.4%	4,095	0.4%	1,050	0.5%	1,268	0.5%

Table 2c. Aggregated Baseline Table for Women with Any Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Other allergic or inflammatory skin conditions	98,453	1.8%	70,305	1.8%	20,426	1.8%	4,103	1.8%	3,619	1.5%
Pelvic inflammatory disease	219,330	4.1%	155,264	4.1%	39,283	3.5%	17,899	8.0%	6,884	2.9%
Postprocedural fever	648	0.0%	428	0.0%	164	0.0%	23	0.0%	33	0.0%
Gonococcal genitourinary infections	204	0.0%	143	0.0%	31	0.0%	26	0.0%	4	0.0%
Chlamydia trachomatis infection of peritoneum	96	0.0%	66	0.0%	16	0.0%	13	0.0%	1	0.0%
Uterine perforation or device migration	29,158	0.5%	21,877	0.6%	5,351	0.5%	1,079	0.5%	851	0.4%
Mechanical complications due to intrauterine contraceptive device	61,330	1.1%	47,350	1.2%	9,493	0.8%	2,361	1.1%	2,126	0.9%
In available follow-up after the date of IUS insertion:										
IUS removal	1,538,592	28.6%	979,712	25.7%	388,140	34.7%	83,300	37.1%	87,440	37.2%
Any hypertension	568,039	10.5%	377,165	9.9%	114,814	10.3%	48,399	21.6%	27,661	11.8%
Malignant essential hypertension	408,309	7.6%	258,616	6.8%	86,792	7.7%	38,693	17.2%	24,208	10.3%
Benign essential hypertension	472,179	8.8%	310,151	8.1%	95,358	8.5%	41,740	18.6%	24,930	10.6%
Unspecified essential hypertension	526,022	9.8%	343,479	9.0%	109,044	9.7%	46,449	20.7%	27,050	11.5%
Non-essential hypertension	35,622	0.7%	23,016	0.6%	6,795	0.6%	4,066	1.8%	1,745	0.7%
Any endometriosis	122,982	2.3%	84,937	2.2%	27,568	2.5%	6,241	2.8%	4,236	1.8%
Endometriosis of the uterus	58,874	1.1%	40,397	1.1%	12,223	1.1%	3,969	1.8%	2,285	1.0%
Endometriosis of gynecological organs	45,918	0.9%	33,182	0.9%	10,015	0.9%	1,364	0.6%	1,357	0.6%
Endometriosis of non-gynecological organs	9,770	0.2%	7,331	0.2%	1,815	0.2%	418	0.2%	206	0.1%
Endometriosis unspecified	60,682	1.1%	42,614	1.1%	14,246	1.3%	2,166	1.0%	1,656	0.7%
All autoimmune conditions	142,106	2.6%	101,483	2.7%	30,088	2.7%	6,543	2.9%	3,992	1.7%
Rheumatoid arthritis	63,292	1.2%	45,565	1.2%	13,634	1.2%	2,508	1.1%	1,585	0.7%

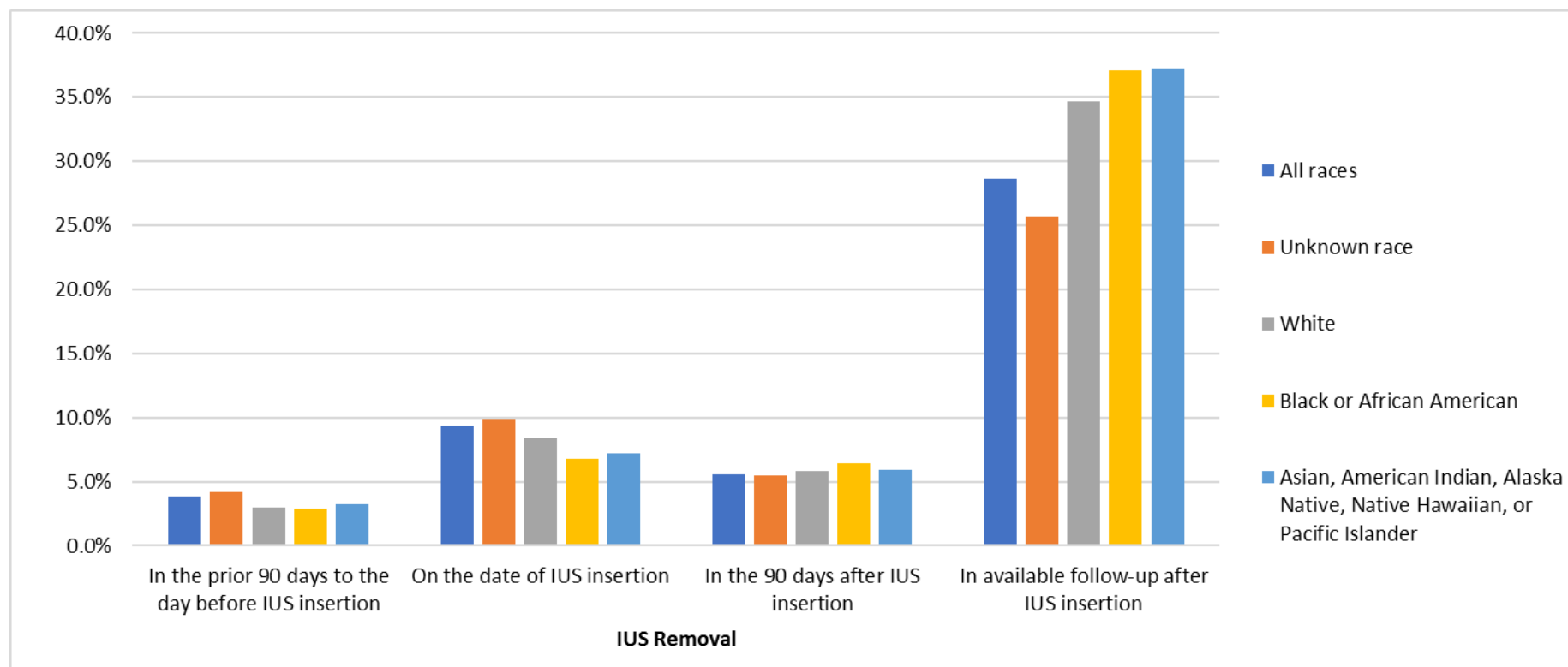
Table 2c. Aggregated Baseline Table for Women with Any Intrauterine System (IUS) Insertions in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Lupus	51,562	1.0%	37,056	1.0%	9,432	0.8%	3,018	1.3%	2,056	0.9%
Atopic dermatitis or dermatitis eczema	752,386	14.0%	487,009	12.8%	180,626	16.1%	38,822	17.3%	45,929	19.5%
Allergic urticaria or other urticaria	164,442	3.1%	103,535	2.7%	37,783	3.4%	10,278	4.6%	12,846	5.5%
Other allergic or inflammatory skin conditions	688,912	12.8%	451,114	11.8%	168,748	15.1%	36,764	16.4%	32,286	13.7%
Pelvic inflammatory disease	1,110,650	20.6%	745,232	19.6%	228,384	20.4%	94,385	42.1%	42,649	18.1%
Postprocedural fever	4,183	0.1%	2,580	0.1%	1,170	0.1%	219	0.1%	214	0.1%
Gonococcal genitourinary infections	1,177	0.0%	753	0.0%	179	0.0%	231	0.1%	14	0.0%
Chlamydia trachomatis infection of peritoneum	1,447	0.0%	714	0.0%	331	0.0%	346	0.2%	56	0.0%
Uterine perforation or device migration	81,109	1.5%	57,257	1.5%	17,156	1.5%	3,866	1.7%	2,830	1.2%
Mechanical complications due to intrauterine contraceptive device	165,654	3.1%	121,361	3.2%	29,088	2.6%	8,269	3.7%	6,936	2.9%

¹All metrics are based on total number of episodes per group, except for sex and race which are based on total number of unique members.

Figure 4. Any Intrauterine System (IUS) Insertion Exposures with Baseline Characteristics in the Sentinel Distributed Database between (SDD) January 1, 2008 and April 30, 2019

Figure 4a. Proportion of Any Intrauterine System Insertion Exposures with an Intrauterine System Removal, by Race¹



¹Race is unknown for 74.5% of patients with any IUS insertion. See Figure 1 for more details.

Figure 4. Any Intrauterine System (IUS) Insertion Exposures with Baseline Characteristics in the Sentinel Distributed Database between (SDD) January 1, 2008 and April 30, 2019

Figure 4b. Proportion of Any Intrauterine System Insertion Exposures with Baseline Characteristics, All Races

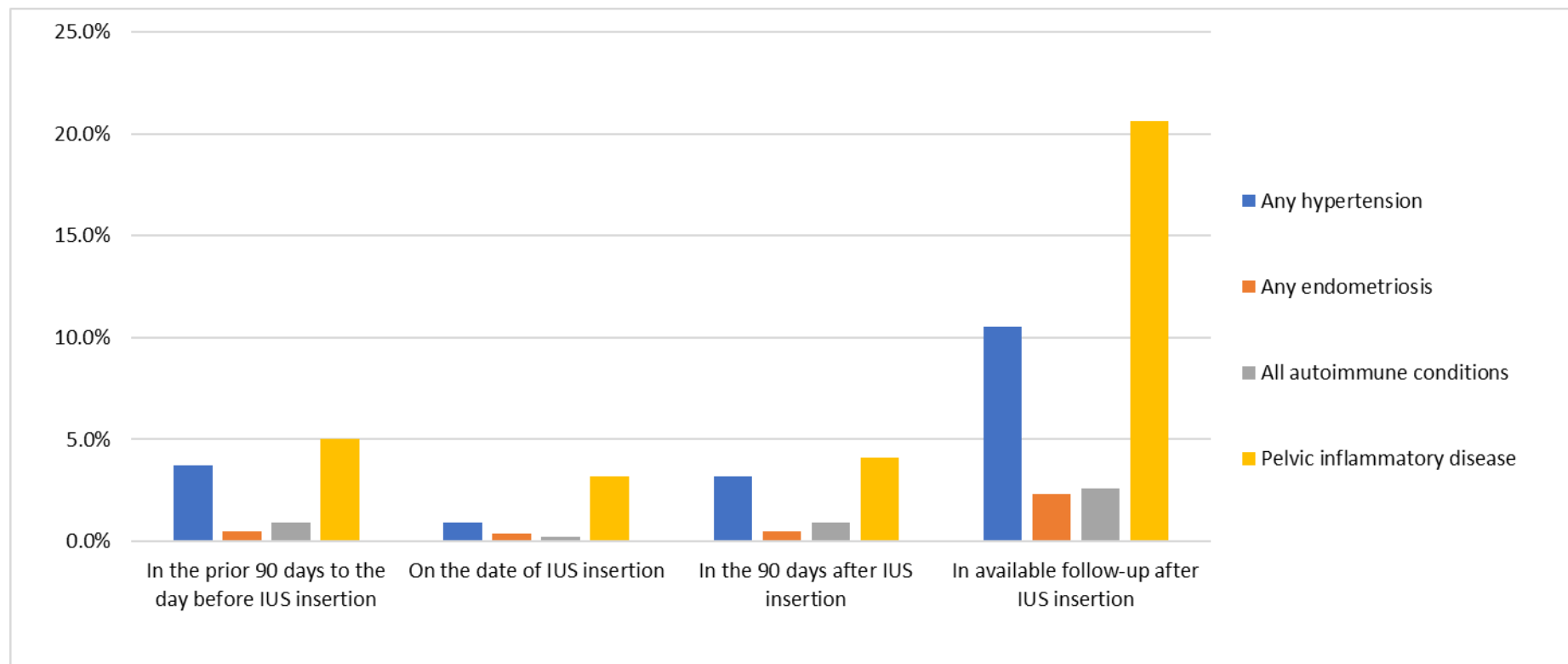


Table 2d. Aggregated Baseline Table for Women with Intrauterine System (IUS) Removals in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

Characteristic ¹	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Number of exposures	1,260,273		919,367		247,925		46,280		46,701	
Number of unique patients	1,136,217		839,438		217,432		39,246		40,101	
Demographics	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Mean Age (Years)	34.2	8.6	34.0	8.6	34.7	8.7	32.9	8.3	36.2	8.2
Age (Years)	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
15-19	41,304	3.3%	30,173	3.3%	8,295	3.3%	2,119	4.6%	717	1.5%
20-29	397,467	31.5%	295,747	32.2%	74,037	29.9%	17,063	36.9%	10,620	22.7%
30-39	503,598	40.0%	368,043	40.0%	97,874	39.5%	17,070	36.9%	20,611	44.1%
40-61	317,904	25.2%	225,404	24.5%	67,719	27.3%	10,028	21.7%	14,753	31.6%
Sex										
Female	1,136,217	100.0%	839,438	100.0%	217,432	100.0%	39,246	100.0%	40,101	100.0%
Year										
2008	38,165	3.0%	27,949	3.0%	7,760	3.1%	1,268	2.7%	1,188	2.5%
2009	55,491	4.4%	40,200	4.4%	11,658	4.7%	1,953	4.2%	1,680	3.6%
2010	66,627	5.3%	47,251	5.1%	14,523	5.9%	2,431	5.3%	2,422	5.2%
2011	82,541	6.5%	56,148	6.1%	18,911	7.6%	3,643	7.9%	3,839	8.2%
2012	100,120	7.9%	69,113	7.5%	22,372	9.0%	4,247	9.2%	4,388	9.4%
2013	128,209	10.2%	92,507	10.1%	25,719	10.4%	5,088	11.0%	4,895	10.5%
2014	135,463	10.7%	99,628	10.8%	25,840	10.4%	5,023	10.9%	4,972	10.6%
2015	155,800	12.4%	115,611	12.6%	28,946	11.7%	5,690	12.3%	5,553	11.9%
2016	180,620	14.3%	136,074	14.8%	32,437	13.1%	6,332	13.7%	5,777	12.4%
2017	191,650	15.2%	145,163	15.8%	33,618	13.6%	6,385	13.8%	6,484	13.9%
2018	125,370	9.9%	89,700	9.8%	25,975	10.5%	4,207	9.1%	5,488	11.8%
2019	217	0.0%	23	0.0%	166	0.1%	13	0.0%	15	0.0%

Table 2d. Aggregated Baseline Table for Women with Intrauterine System (IUS) Removals in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
In the prior 90 days to the day before IUS removal:										
Copper-releasing IUS insertion	15,902	1.3%	11,374	1.2%	3,106	1.3%	521	1.1%	901	1.9%
Hormone-releasing IUS insertion	67,475	5.4%	51,799	5.6%	11,255	4.5%	1,991	4.3%	2,430	5.2%
Any IUS insertion	241,220	19.1%	167,987	18.3%	51,357	20.7%	11,119	24.0%	10,757	23.0%
Any hypertension	45,634	3.6%	32,752	3.6%	7,771	3.1%	3,556	7.7%	1,555	3.3%
Malignant essential hypertension	19,048	1.5%	14,076	1.5%	2,891	1.2%	1,399	3.0%	682	1.5%
Benign essential hypertension	28,290	2.2%	21,485	2.3%	4,116	1.7%	1,900	4.1%	789	1.7%
Unspecified essential hypertension	37,319	3.0%	26,050	2.8%	6,706	2.7%	3,110	6.7%	1,453	3.1%
Non-essential hypertension	1,568	0.1%	1,104	0.1%	248	0.1%	162	0.4%	54	0.1%
Any endometriosis	6,351	0.5%	4,936	0.5%	1,118	0.5%	179	0.4%	118	0.3%
Endometriosis of the uterus	1,711	0.1%	1,394	0.2%	230	0.1%	66	0.1%	21	0.0%
Endometriosis of gynecological organs	2,060	0.2%	1,645	0.2%	334	0.1%	43	0.1%	38	0.1%
Endometriosis of non-gynecological organs	374	0.0%	309	0.0%	48	0.0%	11	0.0%	6	0.0%
Endometriosis unspecified	3,578	0.3%	2,695	0.3%	722	0.3%	89	0.2%	72	0.2%
All autoimmune conditions	11,755	0.9%	8,555	0.9%	2,396	1.0%	477	1.0%	327	0.7%
Rheumatoid arthritis	4,884	0.4%	3,602	0.4%	1,035	0.4%	133	0.3%	114	0.2%
Lupus	4,114	0.3%	3,072	0.3%	640	0.3%	228	0.5%	174	0.4%
Atopic dermatitis or dermatitis eczema	24,811	2.0%	17,983	2.0%	4,816	1.9%	979	2.1%	1,033	2.2%
Allergic urticaria or other urticaria	5,364	0.4%	3,859	0.4%	1,020	0.4%	212	0.5%	273	0.6%
Other allergic or inflammatory skin conditions	25,160	2.0%	18,545	2.0%	4,936	2.0%	912	2.0%	767	1.6%
Pelvic inflammatory disease	65,078	5.2%	48,331	5.3%	10,380	4.2%	4,805	10.4%	1,562	3.3%
Postprocedural fever	48	0.0%	32	0.0%	13	0.0%	2	0.0%	1	0.0%
Gonococcal genitourinary infections	51	0.0%	39	0.0%	6	0.0%	6	0.0%	0	0.0%

Table 2d. Aggregated Baseline Table for Women with Intrauterine System (IUS) Removals in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Chlamydia trachomatis infection of peritoneum	26	0.0%	15	0.0%	4	0.0%	6	0.0%	1	0.0%
Uterine perforation or device migration	9,404	0.7%	6,965	0.8%	1,773	0.7%	393	0.8%	273	0.6%
Mechanical complications due to intrauterine contraceptive device	21,569	1.7%	16,723	1.8%	3,272	1.3%	922	2.0%	652	1.4%
On the date of IUS removal:										
Copper-releasing IUS insertion	24,516	1.9%	17,347	1.9%	4,721	1.9%	680	1.5%	1,768	3.8%
Hormone-releasing IUS insertion	210,029	16.7%	156,600	17.0%	40,950	16.5%	4,465	9.6%	8,014	17.2%
Any IUS insertion	504,962	40.1%	378,260	41.1%	94,357	38.1%	15,323	33.1%	17,022	36.4%
Any hypertension	12,229	1.0%	7,604	0.8%	2,696	1.1%	1,243	2.7%	686	1.5%
Malignant essential hypertension	5,438	0.4%	3,443	0.4%	1,129	0.5%	547	1.2%	319	0.7%
Benign essential hypertension	6,424	0.5%	4,156	0.5%	1,311	0.5%	611	1.3%	346	0.7%
Unspecified essential hypertension	11,065	0.9%	6,784	0.7%	2,480	1.0%	1,154	2.5%	647	1.4%
Non-essential hypertension	261	0.0%	169	0.0%	48	0.0%	31	0.1%	13	0.0%
Any endometriosis	7,406	0.6%	5,662	0.6%	1,365	0.6%	219	0.5%	160	0.3%
Endometriosis of the uterus	2,758	0.2%	2,121	0.2%	458	0.2%	122	0.3%	57	0.1%
Endometriosis of gynecological organs	2,903	0.2%	2,337	0.3%	463	0.2%	40	0.1%	63	0.1%
Endometriosis of non-gynecological organs	386	0.0%	328	0.0%	44	0.0%	5	0.0%	9	0.0%
Endometriosis unspecified	3,029	0.2%	2,256	0.2%	642	0.3%	72	0.2%	59	0.1%
All autoimmune conditions	1,693	0.1%	1,015	0.1%	490	0.2%	102	0.2%	86	0.2%
Rheumatoid arthritis	688	0.1%	406	0.0%	219	0.1%	35	0.1%	28	0.1%
Lupus	598	0.0%	381	0.0%	129	0.1%	43	0.1%	45	0.1%
Atopic dermatitis or dermatitis eczema	1,854	0.1%	1,056	0.1%	489	0.2%	119	0.3%	190	0.4%
Allergic urticaria or other urticaria	419	0.0%	278	0.0%	84	0.0%	31	0.1%	26	0.1%

Table 2d. Aggregated Baseline Table for Women with Intrauterine System (IUS) Removals in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Other allergic or inflammatory skin conditions	3,661	0.3%	2,226	0.2%	1,019	0.4%	166	0.4%	250	0.5%
Pelvic inflammatory disease	52,179	4.1%	38,888	4.2%	8,358	3.4%	3,440	7.4%	1,493	3.2%
Postprocedural fever	28	0.0%	21	0.0%	3	0.0%	1	0.0%	3	0.0%
Gonococcal genitourinary infections	57	0.0%	42	0.0%	8	0.0%	7	0.0%	0	0.0%
Chlamydia trachomatis infection of peritoneum	10	0.0%	9	0.0%	1	0.0%	0	0.0%	0	0.0%
Uterine perforation or device migration	18,248	1.4%	14,286	1.6%	2,917	1.2%	607	1.3%	438	0.9%
Mechanical complications due to intrauterine contraceptive device	42,649	3.4%	33,786	3.7%	6,145	2.5%	1,464	3.2%	1,254	2.7%
In the 90 days after the date of IUS removal:										
Copper-releasing IUS insertion	10,033	0.8%	7,474	0.8%	1,753	0.7%	275	0.6%	531	1.1%
Hormone-releasing IUS insertion	34,994	2.8%	27,181	3.0%	5,690	2.3%	952	2.1%	1,171	2.5%
Any IUS insertion	181,464	14.4%	139,808	15.2%	29,664	12.0%	5,514	11.9%	6,478	13.9%
Any hypertension	44,778	3.6%	32,535	3.5%	7,385	3.0%	3,375	7.3%	1,483	3.2%
Malignant essential hypertension	20,086	1.6%	15,042	1.6%	2,977	1.2%	1,402	3.0%	665	1.4%
Benign essential hypertension	28,531	2.3%	21,813	2.4%	4,120	1.7%	1,830	4.0%	768	1.6%
Unspecified essential hypertension	37,325	3.0%	26,525	2.9%	6,419	2.6%	3,007	6.5%	1,374	2.9%
Non-essential hypertension	1,593	0.1%	1,123	0.1%	236	0.1%	177	0.4%	57	0.1%
Any endometriosis	8,573	0.7%	6,476	0.7%	1,636	0.7%	274	0.6%	187	0.4%
Endometriosis of the uterus	3,803	0.3%	2,931	0.3%	640	0.3%	150	0.3%	82	0.2%
Endometriosis of gynecological organs	2,792	0.2%	2,158	0.2%	515	0.2%	51	0.1%	68	0.1%
Endometriosis of non-gynecological organs	461	0.0%	363	0.0%	76	0.0%	14	0.0%	8	0.0%
Endometriosis unspecified	3,751	0.3%	2,739	0.3%	828	0.3%	103	0.2%	81	0.2%

Table 2d. Aggregated Baseline Table for Women with Intrauterine System (IUS) Removals in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All autoimmune conditions	11,889	0.9%	8,713	0.9%	2,389	1.0%	497	1.1%	290	0.6%
Rheumatoid arthritis	4,942	0.4%	3,680	0.4%	1,019	0.4%	138	0.3%	105	0.2%
Lupus	4,160	0.3%	3,081	0.3%	670	0.3%	254	0.5%	155	0.3%
Atopic dermatitis or dermatitis eczema	23,840	1.9%	17,585	1.9%	4,410	1.8%	874	1.9%	971	2.1%
Allergic urticaria or other urticaria	5,119	0.4%	3,695	0.4%	973	0.4%	215	0.5%	236	0.5%
Other allergic or inflammatory skin conditions	23,993	1.9%	17,746	1.9%	4,679	1.9%	840	1.8%	728	1.6%
Pelvic inflammatory disease	49,455	3.9%	36,717	4.0%	8,040	3.2%	3,549	7.7%	1,149	2.5%
Postprocedural fever	237	0.0%	155	0.0%	59	0.0%	11	0.0%	12	0.0%
Gonococcal genitourinary infections	58	0.0%	43	0.0%	8	0.0%	7	0.0%	0	0.0%
Chlamydia trachomatis infection of peritoneum	32	0.0%	26	0.0%	3	0.0%	2	0.0%	1	0.0%
Uterine perforation or device migration	5,325	0.4%	4,130	0.4%	847	0.3%	203	0.4%	145	0.3%
Mechanical complications due to intrauterine contraceptive device	13,973	1.1%	11,303	1.2%	1,839	0.7%	458	1.0%	373	0.8%
In available follow-up after the date of IUS removal:										
Copper-releasing IUS insertion	42,087	3.3%	28,194	3.1%	9,589	3.9%	1,643	3.6%	2,661	5.7%
Hormone-releasing IUS insertion	153,904	12.2%	105,130	11.4%	35,929	14.5%	5,319	11.5%	7,526	16.1%
Any IUS insertion	401,134	31.8%	280,018	30.5%	86,731	35.0%	16,183	35.0%	18,202	39.0%
Any hypertension	142,666	11.3%	100,208	10.9%	26,825	10.8%	10,165	22.0%	5,468	11.7%
Malignant essential hypertension	106,890	8.5%	72,678	7.9%	20,974	8.5%	8,438	18.2%	4,800	10.3%
Benign essential hypertension	121,053	9.6%	84,302	9.2%	22,800	9.2%	8,994	19.4%	4,957	10.6%
Unspecified essential hypertension	133,314	10.6%	92,518	10.1%	25,667	10.4%	9,779	21.1%	5,350	11.5%
Non-essential hypertension	8,755	0.7%	6,116	0.7%	1,533	0.6%	823	1.8%	283	0.6%
Any endometriosis	32,202	2.6%	23,393	2.5%	6,732	2.7%	1,278	2.8%	799	1.7%

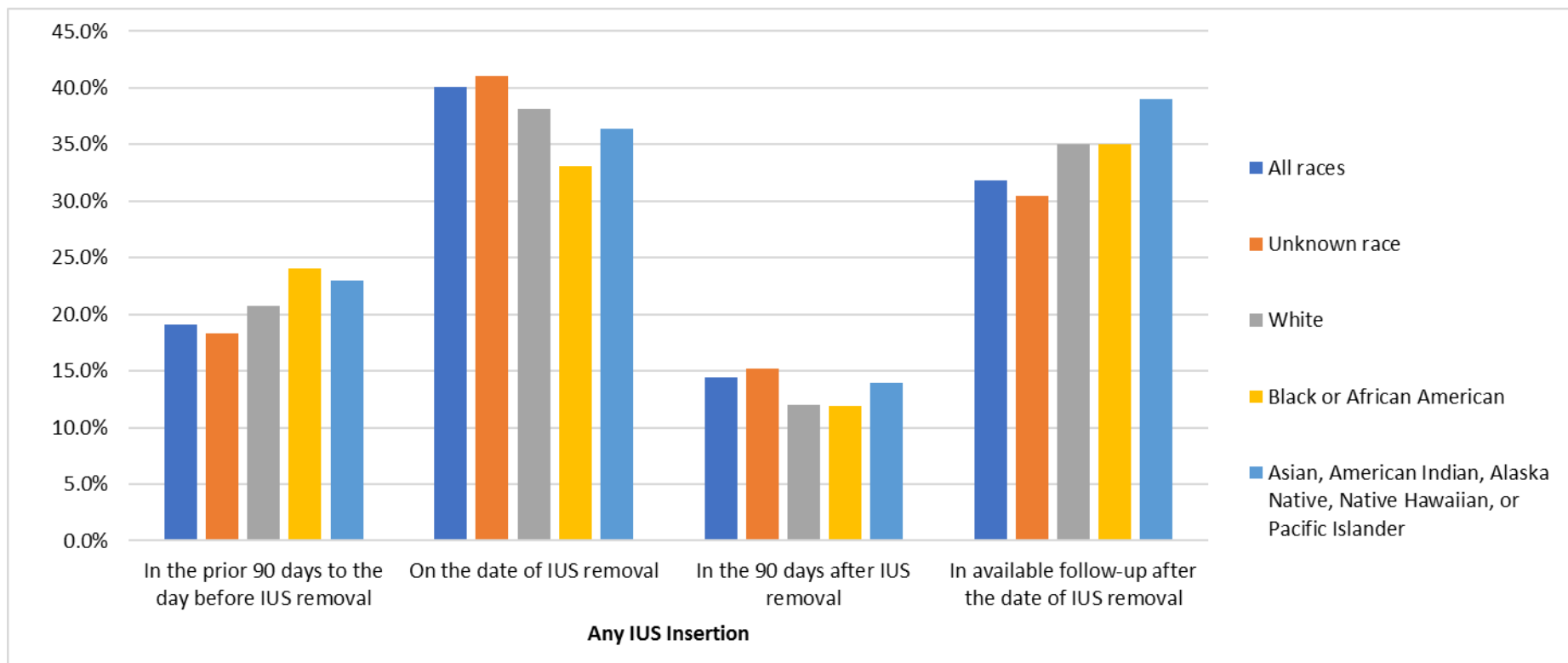
Table 2d. Aggregated Baseline Table for Women with Intrauterine System (IUS) Removals in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Endometriosis of the uterus	16,434	1.3%	11,975	1.3%	3,204	1.3%	825	1.8%	430	0.9%
Endometriosis of gynecological organs	11,827	0.9%	8,864	1.0%	2,448	1.0%	262	0.6%	253	0.5%
Endometriosis of non-gynecological organs	2,448	0.2%	1,917	0.2%	423	0.2%	66	0.1%	42	0.1%
Endometriosis unspecified	15,015	1.2%	10,968	1.2%	3,298	1.3%	428	0.9%	321	0.7%
All autoimmune conditions	35,025	2.8%	25,884	2.8%	6,947	2.8%	1,360	2.9%	834	1.8%
Rheumatoid arthritis	15,644	1.2%	11,606	1.3%	3,170	1.3%	519	1.1%	349	0.7%
Lupus	12,617	1.0%	9,415	1.0%	2,171	0.9%	626	1.4%	405	0.9%
Atopic dermatitis or dermatitis eczema	164,866	13.1%	112,558	12.2%	36,999	14.9%	6,848	14.8%	8,461	18.1%
Allergic urticaria or other urticaria	34,946	2.8%	23,067	2.5%	7,774	3.1%	1,839	4.0%	2,266	4.9%
Other allergic or inflammatory skin conditions	155,188	12.3%	106,491	11.6%	35,843	14.5%	6,793	14.7%	6,061	13.0%
Pelvic inflammatory disease	229,421	18.2%	161,474	17.6%	43,787	17.7%	17,036	36.8%	7,124	15.3%
Postprocedural fever	1,142	0.1%	755	0.1%	269	0.1%	64	0.1%	54	0.1%
Gonococcal genitourinary infections	225	0.0%	146	0.0%	42	0.0%	36	0.1%	1	0.0%
Chlamydia trachomatis infection of peritoneum	390	0.0%	191	0.0%	98	0.0%	77	0.2%	24	0.1%
Uterine perforation or device migration	12,037	1.0%	8,744	1.0%	2,419	1.0%	505	1.1%	369	0.8%
Mechanical complications due to intrauterine contraceptive device	25,544	2.0%	19,618	2.1%	4,032	1.6%	1,031	2.2%	863	1.8%

¹All metrics are based on total number of episodes per group, except for sex and race which are based on total number of unique members.

Figure 5. Intrauterine System (IUS) Removal Exposures with Baseline Characteristics in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 5a Proportion of Intrauterine System Removal Exposures with Any Intrauterine System Insertion, by Race¹



¹Race is unknown for 73.9% of patients with an IUS removal. See Figure 1 for more details.

Figure 5. Intrauterine System (IUS) Removal Exposures with Baseline Characteristics in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 5b. Proportion of Intrauterine System Removal Exposures with Baseline Characteristics, All Races

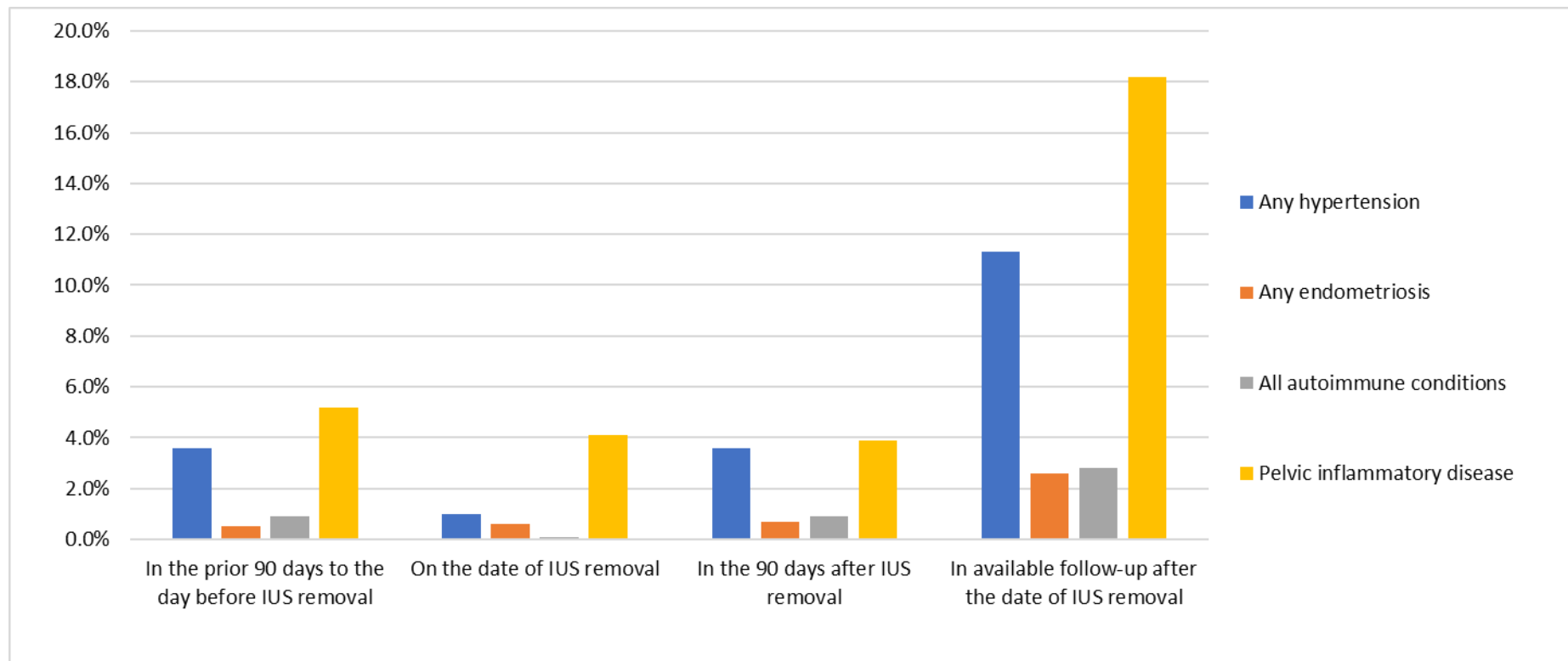


Table 2e. Aggregated Baseline Table for Women with Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

Characteristic ¹	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Number of exposures	130,692,875		107,429,048		19,072,578		1,814,403		2,376,846	
Number of unique patients	10,636,801		8,632,172		1,544,899		210,015		249,715	
Demographics	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Mean Age (Years)	30.2	9.4	30.1	9.4	30.8	9.4	30.6	8.8	31.6	8.6
Age (Years)	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
15-19	18,655,215	14.3%	15,693,176	14.6%	2,526,394	13.2%	251,168	13.8%	184,477	7.8%
20-29	54,205,112	41.5%	44,917,246	41.8%	7,657,466	40.1%	677,249	37.3%	953,151	40.1%
30-39	33,777,006	25.8%	27,354,324	25.5%	5,074,771	26.6%	558,355	30.8%	789,556	33.2%
40-61	24,055,542	18.4%	19,464,302	18.1%	3,813,947	20.0%	327,631	18.1%	449,662	18.9%
Sex										
Female	10,636,801	100.0%	8,632,172	100.0%	1,544,899	100.0%	210,015	100.0%	249,715	100.0%
Year										
2008	11,889,242	9.1%	9,489,887	8.8%	2,010,427	10.5%	192,072	10.6%	196,856	8.3%
2009	13,339,965	10.2%	10,570,085	9.8%	2,334,432	12.2%	210,126	11.6%	225,322	9.5%
2010	12,315,702	9.4%	9,866,894	9.2%	2,045,819	10.7%	187,255	10.3%	215,734	9.1%
2011	11,781,668	9.0%	9,518,083	8.9%	1,873,037	9.8%	175,145	9.7%	215,403	9.1%
2012	11,929,725	9.1%	9,734,492	9.1%	1,814,120	9.5%	165,579	9.1%	215,534	9.1%
2013	12,621,923	9.7%	10,508,230	9.8%	1,738,480	9.1%	160,955	8.9%	214,258	9.0%
2014	12,822,613	9.8%	10,776,641	10.0%	1,669,828	8.8%	161,704	8.9%	214,440	9.0%
2015	12,855,363	9.8%	10,843,329	10.1%	1,627,846	8.5%	162,821	9.0%	221,367	9.3%
2016	13,025,248	10.0%	11,027,884	10.3%	1,599,607	8.4%	164,211	9.1%	233,546	9.8%
2017	11,850,877	9.1%	10,051,314	9.4%	1,419,360	7.4%	146,503	8.1%	233,700	9.8%
2018	6,253,988	4.8%	5,041,332	4.7%	934,692	4.9%	87,847	4.8%	190,117	8.0%
2019	6,561	0.0%	877	0.0%	4,930	0.0%	185	0.0%	569	0.0%

Table 2e. Aggregated Baseline Table for Women with Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
In the prior 90 days to the day before oral contraceptive dispensing:										
Copper-releasing IUS insertion	13,349	0.0%	10,110	0.0%	2,453	0.0%	326	0.0%	460	0.0%
Hormone-releasing IUS insertion	85,989	0.1%	66,944	0.1%	14,966	0.1%	1,790	0.1%	2,289	0.1%
Any IUS insertion	509,489	0.4%	400,398	0.4%	83,757	0.4%	14,405	0.8%	10,929	0.5%
IUS removal	291,304	0.2%	228,561	0.2%	48,380	0.3%	8,486	0.5%	5,877	0.2%
Any hypertension	2,943,025	2.3%	2,412,408	2.2%	389,559	2.0%	98,925	5.5%	42,133	1.8%
Malignant essential hypertension	822,471	0.6%	691,882	0.6%	93,541	0.5%	25,188	1.4%	11,860	0.5%
Benign essential hypertension	1,756,566	1.3%	1,480,110	1.4%	206,142	1.1%	51,021	2.8%	19,293	0.8%
Unspecified essential hypertension	2,058,057	1.6%	1,665,350	1.6%	283,245	1.5%	74,869	4.1%	34,593	1.5%
Non-essential hypertension	88,729	0.1%	72,260	0.1%	11,706	0.1%	3,589	0.2%	1,174	0.0%
Any endometriosis	397,978	0.3%	324,522	0.3%	58,278	0.3%	7,218	0.4%	7,960	0.3%
Endometriosis of the uterus	72,449	0.1%	60,986	0.1%	8,454	0.0%	1,791	0.1%	1,218	0.1%
Endometriosis of gynecological organs	148,510	0.1%	122,408	0.1%	20,526	0.1%	2,244	0.1%	3,332	0.1%
Endometriosis of non-gynecological organs	25,924	0.0%	22,059	0.0%	3,053	0.0%	499	0.0%	313	0.0%
Endometriosis unspecified	240,989	0.2%	194,767	0.2%	37,716	0.2%	4,041	0.2%	4,465	0.2%
All autoimmune conditions	930,795	0.7%	752,611	0.7%	149,388	0.8%	17,232	0.9%	11,564	0.5%
Rheumatoid arthritis	423,710	0.3%	344,093	0.3%	68,265	0.4%	5,688	0.3%	5,664	0.2%
Lupus	259,441	0.2%	212,625	0.2%	35,473	0.2%	6,798	0.4%	4,545	0.2%
Atopic dermatitis or dermatitis eczema	2,663,652	2.0%	2,185,593	2.0%	379,241	2.0%	40,471	2.2%	58,347	2.5%
Allergic urticaria or other urticaria	518,311	0.4%	424,579	0.4%	72,356	0.4%	8,070	0.4%	13,306	0.6%
Other allergic or inflammatory skin conditions	2,172,856	1.7%	1,786,945	1.7%	322,397	1.7%	30,073	1.7%	33,441	1.4%
Pelvic inflammatory disease	3,645,804	2.8%	3,033,333	2.8%	450,850	2.4%	115,465	6.4%	46,156	1.9%
Postprocedural fever	3,560	0.0%	2,918	0.0%	492	0.0%	79	0.0%	71	0.0%
Gonococcal genitourinary infections	2,163	0.0%	1,790	0.0%	231	0.0%	94	0.0%	48	0.0%

Table 2e. Aggregated Baseline Table for Women with Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Chlamydia trachomatis infection of peritoneum	1,268	0.0%	1,027	0.0%	145	0.0%	53	0.0%	43	0.0%
Uterine perforation or device migration	18,243	0.0%	14,551	0.0%	2,979	0.0%	415	0.0%	298	0.0%
Mechanical complications due to intrauterine contraceptive device	21,314	0.0%	16,964	0.0%	3,169	0.0%	694	0.0%	487	0.0%
On the date of oral contraceptive dispensing:										
Copper-releasing IUS insertion	674	0.0%	495	0.0%	118	0.0%	23	0.0%	38	0.0%
Hormone-releasing IUS insertion	4,420	0.0%	3,345	0.0%	822	0.0%	100	0.0%	153	0.0%
Any IUS insertion	84,743	0.1%	60,946	0.1%	17,272	0.1%	3,480	0.2%	3,045	0.1%
IUS removal	106,964	0.1%	72,902	0.1%	24,443	0.1%	5,002	0.3%	4,617	0.2%
Any hypertension	108,979	0.1%	84,269	0.1%	15,861	0.1%	5,976	0.3%	2,873	0.1%
Malignant essential hypertension	35,025	0.0%	28,016	0.0%	4,392	0.0%	1,671	0.1%	946	0.0%
Benign essential hypertension	62,993	0.0%	51,064	0.0%	7,755	0.0%	2,910	0.2%	1,264	0.1%
Unspecified essential hypertension	78,012	0.1%	58,850	0.1%	12,092	0.1%	4,563	0.3%	2,507	0.1%
Non-essential hypertension	2,378	0.0%	1,898	0.0%	306	0.0%	136	0.0%	38	0.0%
Any endometriosis	35,969	0.0%	26,943	0.0%	6,525	0.0%	980	0.1%	1,521	0.1%
Endometriosis of the uterus	5,046	0.0%	4,062	0.0%	644	0.0%	183	0.0%	157	0.0%
Endometriosis of gynecological organs	10,402	0.0%	7,839	0.0%	1,832	0.0%	218	0.0%	513	0.0%
Endometriosis of non-gynecological organs	1,278	0.0%	1,071	0.0%	138	0.0%	36	0.0%	33	0.0%
Endometriosis unspecified	21,006	0.0%	15,403	0.0%	4,143	0.0%	589	0.0%	871	0.0%
All autoimmune conditions	31,182	0.0%	24,004	0.0%	5,779	0.0%	809	0.0%	590	0.0%
Rheumatoid arthritis	13,103	0.0%	10,142	0.0%	2,441	0.0%	245	0.0%	275	0.0%
Lupus	7,697	0.0%	5,952	0.0%	1,208	0.0%	312	0.0%	225	0.0%
Atopic dermatitis or dermatitis eczema	72,555	0.1%	54,520	0.1%	12,301	0.1%	2,250	0.1%	3,484	0.1%

Table 2e. Aggregated Baseline Table for Women with Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Allergic urticaria or other urticaria	12,892	0.0%	10,035	0.0%	2,033	0.0%	331	0.0%	493	0.0%
Other allergic or inflammatory skin conditions	61,799	0.0%	47,099	0.0%	11,105	0.1%	1,463	0.1%	2,132	0.1%
Pelvic inflammatory disease	235,477	0.2%	181,895	0.2%	32,937	0.2%	14,873	0.8%	5,772	0.2%
Postprocedural fever	40	0.0%	32	0.0%	6	0.0%	0	0.0%	2	0.0%
Gonococcal genitourinary infections	97	0.0%	77	0.0%	10	0.0%	8	0.0%	2	0.0%
Chlamydia trachomatis infection of peritoneum	74	0.0%	59	0.0%	7	0.0%	4	0.0%	4	0.0%
Uterine perforation or device migration	2,385	0.0%	1,781	0.0%	460	0.0%	82	0.0%	62	0.0%
Mechanical complications due to intrauterine contraceptive device	3,743	0.0%	2,724	0.0%	712	0.0%	149	0.0%	158	0.0%
In the 90 days after the date of oral contraceptive dispensing:										
Copper-releasing IUS insertion	67,114	0.1%	53,278	0.0%	11,012	0.1%	1,053	0.1%	1,771	0.1%
Hormone-releasing IUS insertion	412,237	0.3%	331,616	0.3%	66,057	0.3%	5,831	0.3%	8,733	0.4%
Any IUS insertion	905,355	0.7%	715,327	0.7%	152,922	0.8%	19,221	1.1%	17,885	0.8%
IUS removal	54,685	0.0%	41,534	0.0%	10,037	0.1%	1,807	0.1%	1,307	0.1%
Any hypertension	3,079,094	2.4%	2,528,656	2.4%	406,077	2.1%	101,055	5.6%	43,306	1.8%
Malignant essential hypertension	934,014	0.7%	786,773	0.7%	106,232	0.6%	27,863	1.5%	13,146	0.6%
Benign essential hypertension	1,875,822	1.4%	1,582,073	1.5%	219,744	1.2%	53,471	2.9%	20,534	0.9%
Unspecified essential hypertension	2,194,536	1.7%	1,781,787	1.7%	299,488	1.6%	77,365	4.3%	35,896	1.5%
Non-essential hypertension	93,825	0.1%	76,414	0.1%	12,462	0.1%	3,719	0.2%	1,230	0.1%
Any endometriosis	428,737	0.3%	351,691	0.3%	61,685	0.3%	7,793	0.4%	7,568	0.3%
Endometriosis of the uterus	110,490	0.1%	93,079	0.1%	13,222	0.1%	2,578	0.1%	1,611	0.1%
Endometriosis of gynecological organs	154,571	0.1%	128,120	0.1%	21,103	0.1%	2,311	0.1%	3,037	0.1%

Table 2e. Aggregated Baseline Table for Women with Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Endometriosis of non-gynecological organs	26,887	0.0%	22,893	0.0%	3,217	0.0%	487	0.0%	290	0.0%
Endometriosis unspecified	243,719	0.2%	198,208	0.2%	37,515	0.2%	3,998	0.2%	3,998	0.2%
All autoimmune conditions	956,172	0.7%	774,726	0.7%	152,184	0.8%	17,541	1.0%	11,721	0.5%
Rheumatoid arthritis	434,274	0.3%	353,240	0.3%	69,396	0.4%	5,886	0.3%	5,752	0.2%
Lupus	268,902	0.2%	220,799	0.2%	36,537	0.2%	6,980	0.4%	4,586	0.2%
Atopic dermatitis or dermatitis eczema	2,670,469	2.0%	2,194,544	2.0%	379,480	2.0%	39,271	2.2%	57,174	2.4%
Allergic urticaria or other urticaria	523,145	0.4%	428,525	0.4%	73,270	0.4%	8,205	0.5%	13,145	0.6%
Other allergic or inflammatory skin conditions	2,187,675	1.7%	1,802,762	1.7%	322,551	1.7%	29,780	1.6%	32,582	1.4%
Pelvic inflammatory disease	3,470,437	2.7%	2,887,362	2.7%	432,609	2.3%	107,765	5.9%	42,701	1.8%
Postprocedural fever	3,913	0.0%	3,154	0.0%	596	0.0%	89	0.0%	74	0.0%
Gonococcal genitourinary infections	1,951	0.0%	1,618	0.0%	185	0.0%	108	0.0%	40	0.0%
Chlamydia trachomatis infection of peritoneum	1,142	0.0%	977	0.0%	105	0.0%	36	0.0%	24	0.0%
Uterine perforation or device migration	12,387	0.0%	9,959	0.0%	2,024	0.0%	233	0.0%	171	0.0%
Mechanical complications due to intrauterine contraceptive device	9,914	0.0%	8,076	0.0%	1,414	0.0%	235	0.0%	189	0.0%
In available follow-up after the date of oral contraceptive dispensing:										
Copper-releasing IUS insertion	1,032,385	0.8%	779,417	0.7%	205,305	1.1%	16,099	0.9%	31,564	1.3%
Hormone-releasing IUS insertion	5,811,240	4.4%	4,460,549	4.2%	1,118,098	5.9%	85,142	4.7%	147,451	6.2%
Any IUS insertion	10,590,913	8.1%	8,071,460	7.5%	2,044,331	10.7%	231,409	12.8%	243,713	10.3%
IUS removal	2,564,230	2.0%	1,836,585	1.7%	581,393	3.0%	75,257	4.1%	70,995	3.0%
Any hypertension	12,422,733	9.5%	10,053,161	9.4%	1,780,097	9.3%	370,040	20.4%	219,435	9.2%
Malignant essential hypertension	7,872,682	6.0%	6,289,980	5.9%	1,145,904	6.0%	266,154	14.7%	170,644	7.2%

Table 2e. Aggregated Baseline Table for Women with Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Benign essential hypertension	9,989,287	7.6%	8,082,535	7.5%	1,408,885	7.4%	310,653	17.1%	187,214	7.9%
Unspecified essential hypertension	11,014,309	8.4%	8,867,303	8.3%	1,598,728	8.4%	342,237	18.9%	206,041	8.7%
Non-essential hypertension	702,636	0.5%	560,266	0.5%	103,024	0.5%	27,468	1.5%	11,878	0.5%
Any endometriosis	2,591,843	2.0%	2,111,673	2.0%	384,761	2.0%	52,849	2.9%	42,560	1.8%
Endometriosis of the uterus	1,049,355	0.8%	863,211	0.8%	142,407	0.7%	28,501	1.6%	15,236	0.6%
Endometriosis of gynecological organs	1,046,378	0.8%	863,398	0.8%	150,132	0.8%	15,563	0.9%	17,285	0.7%
Endometriosis of non-gynecological organs	233,356	0.2%	194,164	0.2%	32,157	0.2%	4,443	0.2%	2,592	0.1%
Endometriosis unspecified	1,451,069	1.1%	1,177,477	1.1%	227,097	1.2%	23,952	1.3%	22,543	0.9%
All autoimmune conditions	3,330,603	2.5%	2,712,161	2.5%	522,096	2.7%	56,298	3.1%	40,048	1.7%
Rheumatoid arthritis	1,486,925	1.1%	1,209,763	1.1%	235,755	1.2%	22,964	1.3%	18,443	0.8%
Lupus	1,111,492	0.9%	911,057	0.8%	159,643	0.8%	23,888	1.3%	16,904	0.7%
Atopic dermatitis or dermatitis eczema	20,205,795	15.5%	16,133,599	15.0%	3,269,341	17.1%	320,693	17.7%	482,162	20.3%
Allergic urticaria or other urticaria	4,136,832	3.2%	3,258,593	3.0%	656,837	3.4%	83,536	4.6%	137,866	5.8%
Other allergic or inflammatory skin conditions	16,480,125	12.6%	13,181,361	12.3%	2,723,154	14.3%	269,242	14.8%	306,368	12.9%
Pelvic inflammatory disease	22,374,290	17.1%	18,189,433	16.9%	3,199,333	16.8%	640,468	35.3%	345,056	14.5%
Postprocedural fever	58,833	0.0%	45,701	0.0%	10,364	0.1%	1,576	0.1%	1,192	0.1%
Gonococcal genitourinary infections	16,270	0.0%	12,819	0.0%	2,043	0.0%	1,162	0.1%	246	0.0%
Chlamydia trachomatis infection of peritoneum	17,009	0.0%	11,471	0.0%	3,269	0.0%	1,497	0.1%	772	0.0%
Uterine perforation or device migration	245,159	0.2%	188,890	0.2%	46,333	0.2%	5,364	0.3%	4,572	0.2%
Mechanical complications due to intrauterine contraceptive device	298,095	0.2%	233,827	0.2%	49,848	0.3%	7,543	0.4%	6,877	0.3%

¹All metrics are based on total number of episodes per group, except for sex and race which are based on total number of unique members.

Table 2f. Aggregated Baseline Table for Women with Intrauterine System (IUS) Insertions, Intrauterine System Removals, or Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

Characteristic ¹	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Number of exposures	136,661,714		111,656,825		20,308,216		2,062,050		2,634,623	
Number of unique patients	12,479,562		10,048,030		1,852,165		269,065		310,302	
Demographics	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Mean Age (Years)	30.3	9.4	30.1	9.4	30.9	9.4	30.7	8.8	31.9	8.6
Age (Years)										
15-19	19,107,039	14.0%	16,027,507	14.4%	2,612,178	12.9%	273,669	13.3%	193,685	7.4%
20-29	56,337,122	41.2%	46,465,731	41.6%	8,076,772	39.8%	771,822	37.4%	1,022,797	38.8%
30-39	35,944,593	26.3%	28,888,653	25.9%	5,516,893	27.2%	641,072	31.1%	897,975	34.1%
40-61	25,272,960	18.5%	20,274,934	18.2%	4,102,373	20.2%	375,487	18.2%	520,166	19.7%
Sex										
Female	12,479,562	100.0%	10,048,030	100.0%	1,852,165	100.0%	269,065	100.0%	310,302	100.0%
Year										
2008	12,198,473	8.9%	9,698,762	8.7%	2,082,345	10.3%	206,571	10.0%	210,795	8.0%
2009	13,719,420	10.0%	10,826,251	9.7%	2,422,956	11.9%	228,440	11.1%	241,773	9.2%
2010	12,702,810	9.3%	10,126,212	9.1%	2,136,462	10.5%	206,580	10.0%	233,556	8.9%
2011	12,201,955	8.9%	9,799,446	8.8%	1,971,477	9.7%	195,906	9.5%	235,126	8.9%
2012	12,413,540	9.1%	10,062,517	9.0%	1,924,334	9.5%	189,423	9.2%	237,266	9.0%
2013	13,188,991	9.7%	10,909,956	9.8%	1,854,601	9.1%	186,539	9.0%	237,895	9.0%
2014	13,460,512	9.8%	11,235,984	10.1%	1,795,045	8.8%	189,260	9.2%	240,223	9.1%
2015	13,569,841	9.9%	11,366,584	10.2%	1,762,900	8.7%	191,220	9.3%	249,137	9.5%
2016	13,768,196	10.1%	11,579,780	10.4%	1,736,552	8.6%	189,207	9.2%	262,657	10.0%
2017	12,669,734	9.3%	10,663,323	9.6%	1,566,737	7.7%	173,065	8.4%	266,609	10.1%
2018	6,759,719	4.9%	5,386,883	4.8%	1,048,364	5.2%	105,585	5.1%	218,887	8.3%
2019	8,523	0.0%	1,127	0.0%	6,443	0.0%	254	0.0%	699	0.0%

Table 2f. Aggregated Baseline Table for Women with Intrauterine System (IUS) Insertions, Intrauterine System Removals, or Oral Contraceptive Dispensings in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019, by Race

	All Races		Unknown Race		White		Black or African American		Asian, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander	
	Number		Number		Number		Number		Number	
Distribution of codes observed among the total number of unique patients²:										
Copper-releasing IUS insertion	281,697	0.2%	206,032	0.2%	53,501	0.3%	7,632	0.4%	14,532	0.6%
Hormone-releasing IUS insertion	1,411,852	1.0%	1,046,718	0.9%	273,309	1.3%	36,592	1.8%	55,233	2.1%
Non-specific IUS insertion ³	7,276,717	5.3%	5,156,551	4.6%	1,515,809	7.5%	285,705	13.9%	318,652	12.1%
IUS removal	1,852,910	1.4%	1,361,877	1.2%	358,961	1.8%	65,048	3.2%	67,024	2.5%
Oral contraceptive dispensing	130,723,425	95.7%	107,454,169	96.2%	19,076,895	93.9%	1,814,935	88.0%	2,377,426	90.2%

¹All metrics are based on total number of episodes per group, except for sex and race which are based on total number of unique members.

²The distribution outputs the total occurrences of codes per exposure group. Patients may have had multiple exposures on the same day, and thus would be counted multiple times in this distribution. E.g if a patient had an insertion code and a removal code on the same day, this patient would have one exposure episode but would have contributed 2 codes to the code distribution analysis.

³Non-specific IUS insertions refer to codes that are not specifically labeled as copper-releasing or hormone-releasing.

Figure 6. Baseline Characteristics among Intrauterine System (IUS) Insertion and Removal Exposures in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 6a. Proportion of Intrauterine System Insertion and Removal Exposures with Any Hypertension, All Races

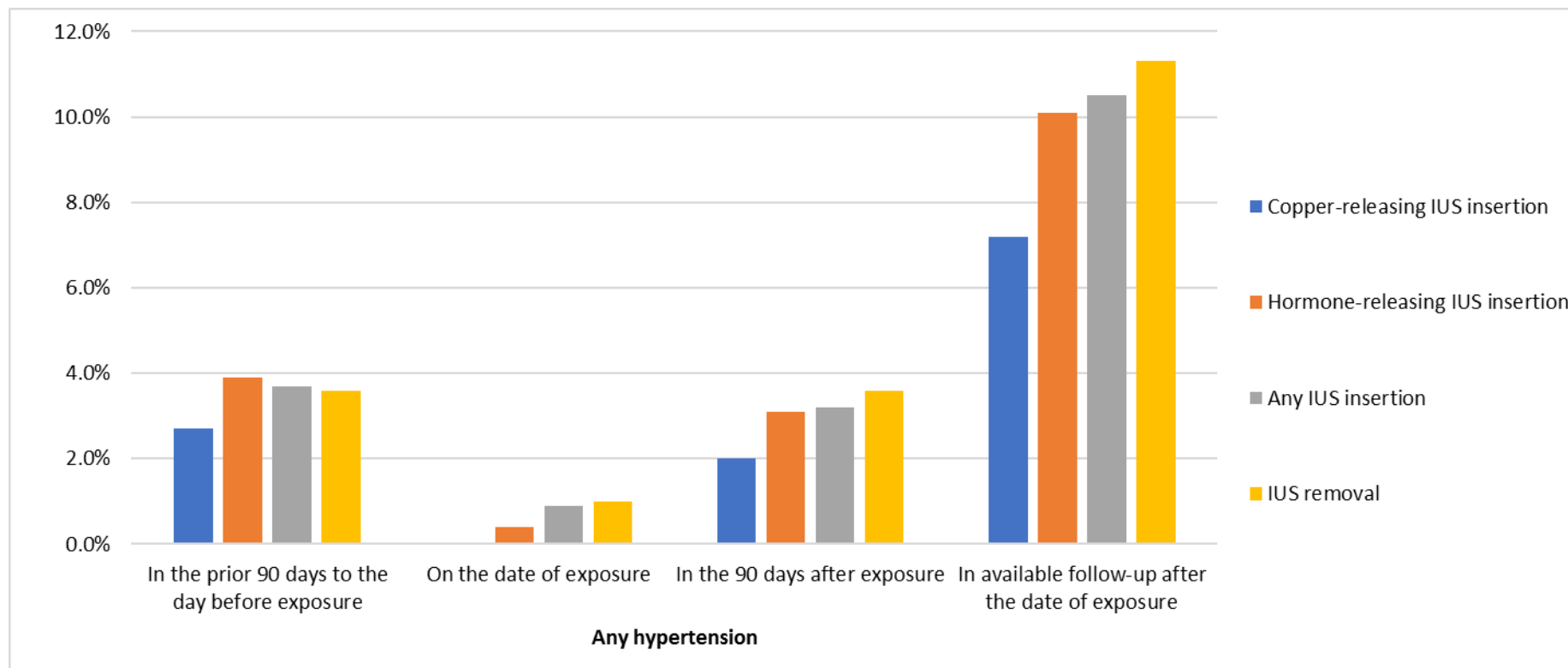


Figure 6. Baseline Characteristics among Intrauterine System (IUS) Insertion and Removal Exposures in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 6b. Proportion of Intrauterine System Insertion and Removal Exposures with Any Endometriosis, All Races

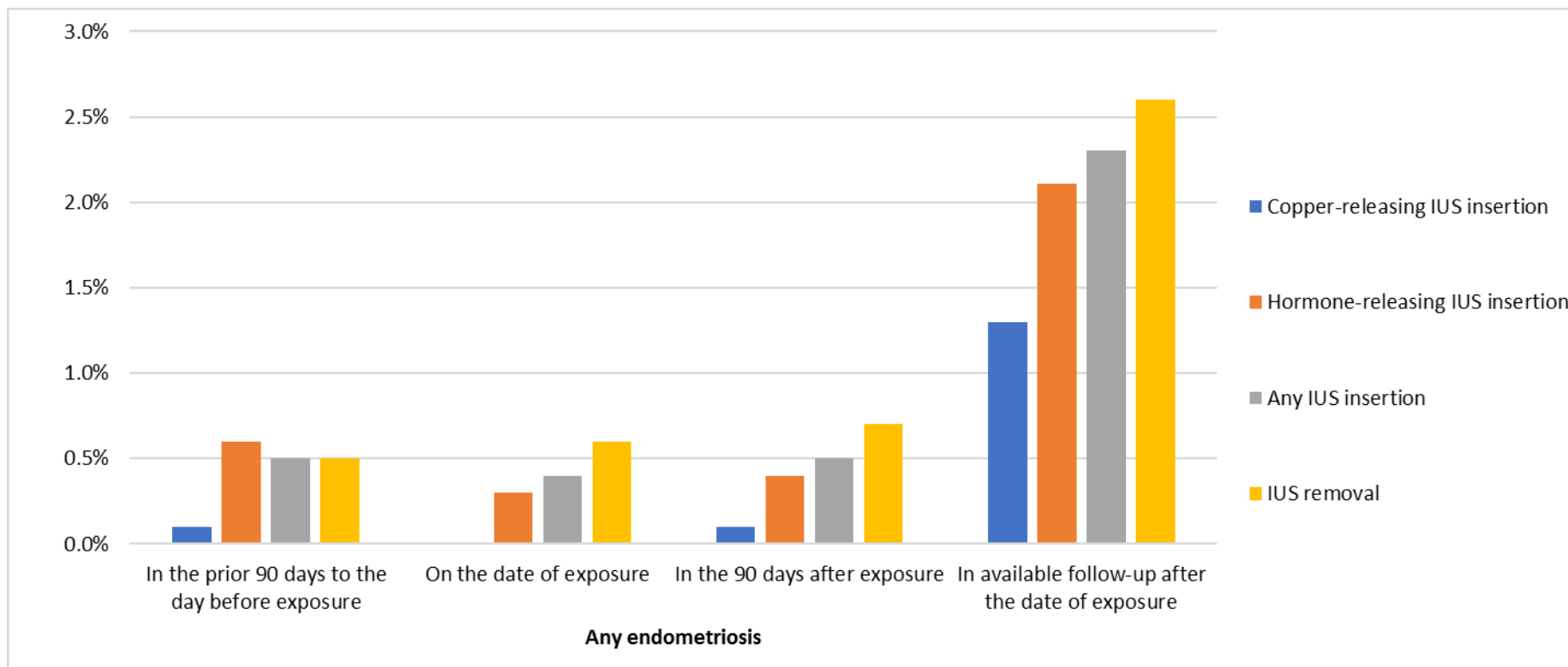


Figure 6. Baseline Characteristics among Intrauterine System (IUS) Insertion and Removal Exposures in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 6c. Proportion of Intrauterine System Insertion and Removal Exposures with All Autoimmune Conditions, All Races

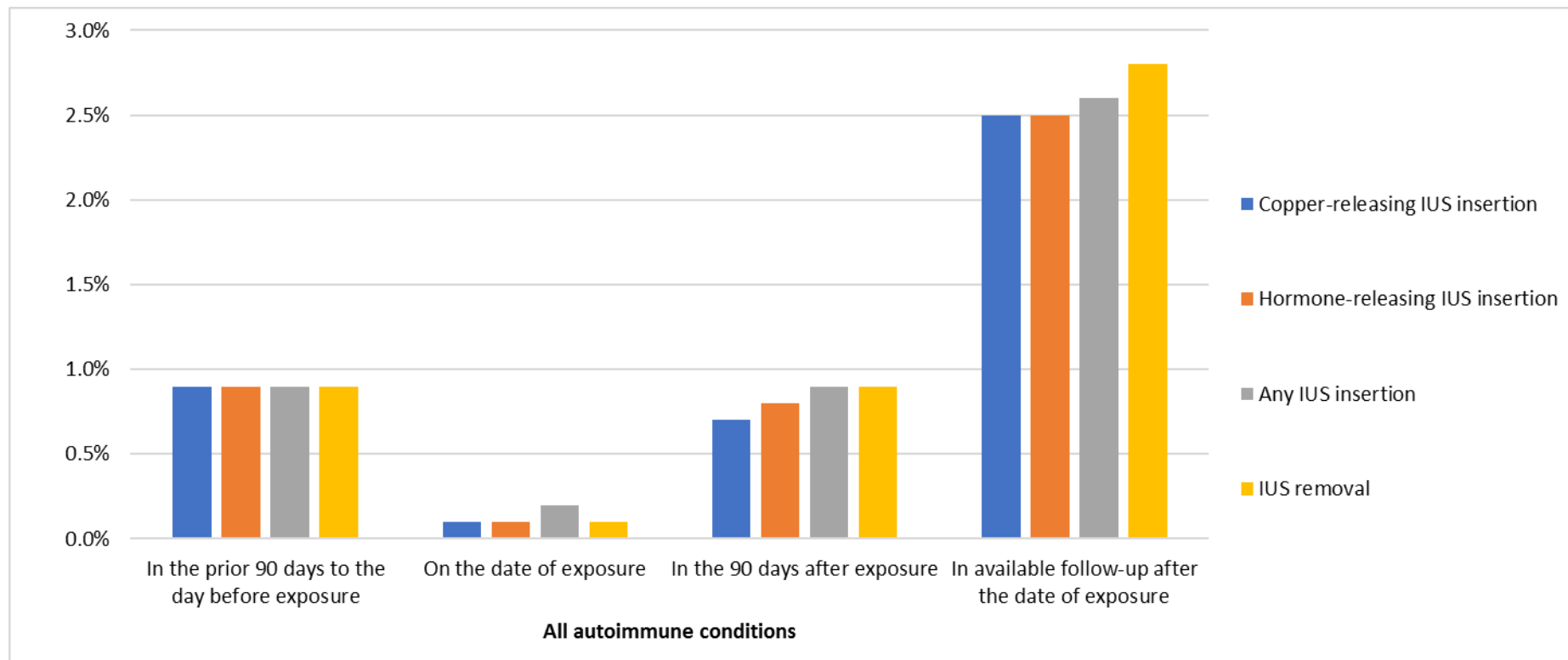
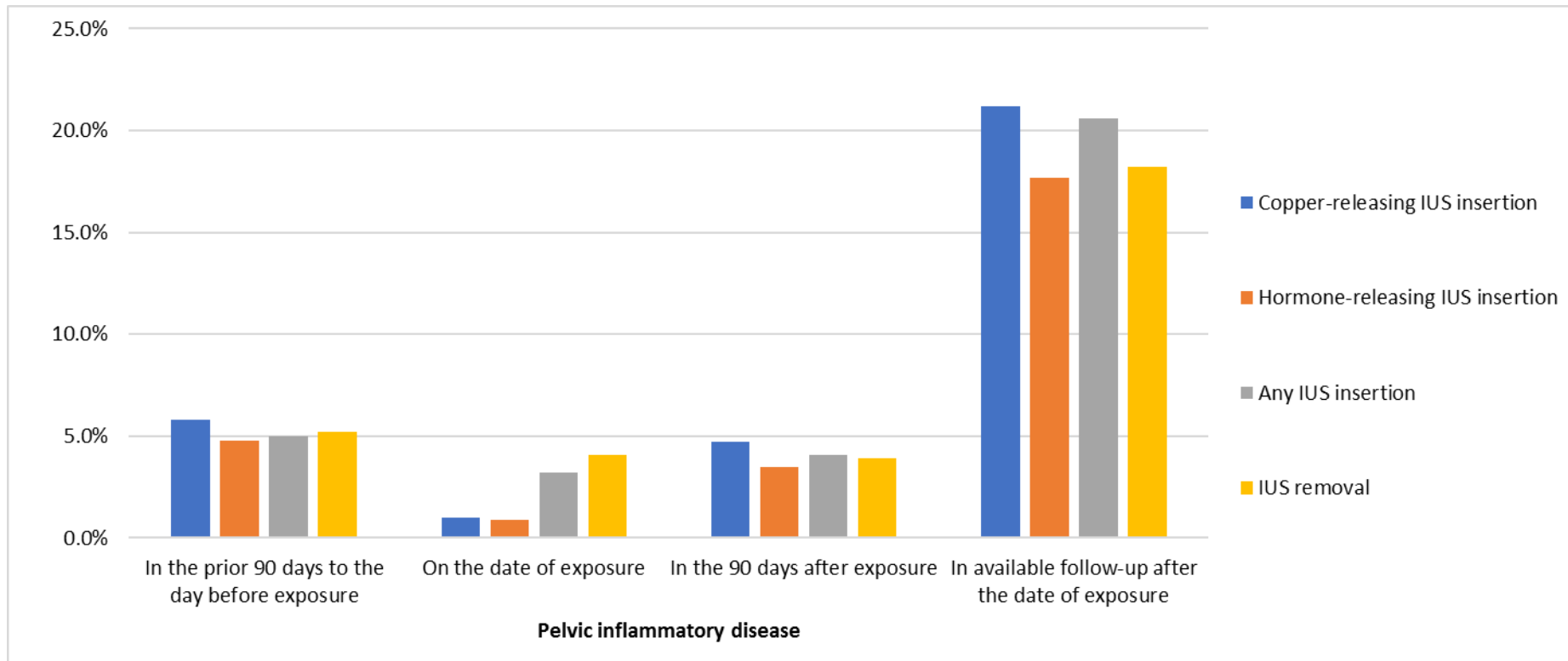


Figure 6. Baseline Characteristics among Intrauterine System (IUS) Insertion and Removal Exposures in the Sentinel Distributed Database (SDD) between January 1, 2008 and April 30, 2019

Figure 6d. Proportion of Intrauterine System Insertion and Removal Exposures with Pelvic Inflammatory Disease, All Races



Appendix A. Start and End Dates for Each Data Partner (DP) as of Request Distribution Date (September 5, 2019)

DP ID	Start Date¹	End Date¹
DP01	01/01/2000	02/28/2019
DP02	01/01/2000	01/31/2019
DP03	01/01/2004	03/31/2019
DP04	01/01/2008	11/30/2018
DP05	01/01/2000	06/30/2018
DP06	01/01/2000	12/31/2017
DP07	01/01/2006	12/31/2018
DP08	01/01/2000	12/31/2018
DP09	06/01/2007	10/31/2018
DP10	01/01/2000	03/31/2016
DP11	01/01/2005	07/31/2018
DP12	01/01/2000	04/30/2019
DP13	01/01/2000	03/31/2018
DP14	01/01/2008	06/30/2018
DP15	01/01/2000	04/30/2018
DP16	01/01/2012	06/30/2017

¹The start and end dates are based on the minimum and maximum dates within each DP. The month with the maximum date must have at least 80% of the number of records in the previous month.

Appendix B. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) and Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Exposure Episodes in this Request

Code	Description	Code Category	Code Type
Copper-Releasing Intrauterine System (IUS) Insertion			
J7300	Intrauterine copper contraceptive	HCPCS	Procedure
Hormone-Releasing Intrauterine System Insertion			
J7297	Levonorgestrel-releasing intrauterine contraceptive system (Liletta), 52 mg	HCPCS	Procedure
J7298	Levonorgestrel-releasing intrauterine contraceptive system (Mirena), 52 mg	HCPCS	Procedure
J7301	Levonorgestrel-releasing intrauterine contraceptive system (Skyla), 13.5 mg	HCPCS	Procedure
J7302	Levonorgestrel-releasing intrauterine contraceptive system, 52 mg	HCPCS	Procedure
J7296	Levonorgestrel-releasing intrauterine contraceptive system, (Kyleena), 19.5 mg	HCPCS	Procedure
Q0090	Levonorgestrel-releasing intrauterine contraceptive system, (Skyla), 13.5 mg	HCPCS	Procedure
Q9984	Levonorgestrel-releasing intrauterine contraceptive system (Kyleena), 19.5 mg	HCPCS	Procedure
S4980	Levonorgestrel - releasing intrauterine system, each	HCPCS	Procedure
S4981	Insertion of levonorgestrel-releasing intrauterine system	HCPCS	Procedure
Any Intrauterine System Insertion			
V25.02	General counseling for initiation of other contraceptive measures	ICD-9-CM	Diagnosis
V25.11	Encounter for insertion of intrauterine contraceptive device	ICD-9-CM	Diagnosis
V25.13	Encounter for removal and reinsertion of intrauterine contraceptive device	ICD-9-CM	Diagnosis
V25.42	Surveillance of previously prescribed intrauterine contraceptive device	ICD-9-CM	Diagnosis
V45.51	Presence of intrauterine contraceptive device	ICD-9-CM	Diagnosis
V45.59	Presence of other contraceptive device	ICD-9-CM	Diagnosis
Z30.014	Encounter for initial prescription of intrauterine contraceptive device	ICD-10-CM	Diagnosis
Z30.019	Encounter for initial prescription of contraceptives, unspecified	ICD-10-CM	Diagnosis
Z30.430	Encounter for insertion of intrauterine contraceptive device	ICD-10-CM	Diagnosis
Z30.431	Encounter for routine checking of intrauterine contraceptive device	ICD-10-CM	Diagnosis
Z30.433	Encounter for removal and reinsertion of intrauterine contraceptive device	ICD-10-CM	Diagnosis
Z97.5	Presence of (intrauterine) contraceptive device	ICD-10-CM	Diagnosis
69.7	Insertion of intrauterine contraceptive device	ICD-10-CM	Procedure
0UH90HZ	Insertion of Contraceptive Device into Uterus, Open Approach	ICD-10-CM	Procedure
0UH97HZ	Insertion of Contraceptive Device into Uterus, Via Natural or Artificial Opening	ICD-10-CM	Procedure
0UH98HZ	Insertion of Contraceptive Device into Uterus, Via Natural or Artificial Opening Endoscopic	ICD-10-CM	Procedure
0UHC7HZ	Insertion of Contraceptive Device into Cervix, Via Natural or Artificial Opening	ICD-10-CM	Procedure
0UHC8HZ	Insertion of Contraceptive Device into Cervix, Via Natural or Artificial Opening Endoscopic	ICD-10-CM	Procedure
58300	Insertion of intrauterine device (IUD)	CPT-4	Procedure
11981	Insertion, non-biodegradable drug delivery implant	CPT-5	Procedure
J7300	Intrauterine copper contraceptive	HCPCS	Procedure
J7297	Levonorgestrel-releasing intrauterine contraceptive system (Liletta), 52 mg	HCPCS	Procedure
J7298	Levonorgestrel-releasing intrauterine contraceptive system (Mirena), 52 mg	HCPCS	Procedure
J7301	Levonorgestrel-releasing intrauterine contraceptive system (Skyla), 13.5 mg	HCPCS	Procedure
J7302	Levonorgestrel-releasing intrauterine contraceptive system, 52 mg	HCPCS	Procedure

Appendix B. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) and Procedure Coding System (ICD-10-PCS), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) Codes Used to Define Exposure Episodes in this Request

Code	Description	Code Category	Code Type
J7296	Levonorgestrel-releasing intrauterine contraceptive system, (Kyleena), 19.5 mg	HCPCS	Procedure
Q0090	Levonorgestrel-releasing intrauterine contraceptive system, (Skyla), 13.5 mg	HCPCS	Procedure
Q9984	Levonorgestrel-releasing intrauterine contraceptive system (Kyleena), 19.5 mg	HCPCS	Procedure
S4980	Levonorgestrel - releasing intrauterine system, each	HCPCS	Procedure
S4981	Insertion of levonorgestrel-releasing intrauterine system	HCPCS	Procedure
Intrauterine System Removal			
V25.12	Encounter for removal of intrauterine contraceptive device	ICD-9-CM	Diagnosis
Z30.432	Encounter for removal of intrauterine contraceptive device	ICD-10-CM	Diagnosis
97.71	Removal of intrauterine contraceptive device	ICD-9-CM	Procedure
97.79	Removal of other device from genital tract	ICD-9-CM	Procedure
0UPD7HZ	Removal of Contraceptive Device from Uterus and Cervix, Via Natural or Artificial Opening	ICD-10-CM	Procedure
0UPD8HZ	Removal of Contraceptive Device from Uterus and Cervix, Via Natural or Artificial Opening Endoscopic	ICD-10-CM	Procedure
0UPD0HZ	Removal of Contraceptive Device from Uterus and Cervix, Open Approach	ICD-10-CM	Procedure
0UPD3HZ	Removal of Contraceptive Device from Uterus and Cervix, Percutaneous Approach	ICD-10-CM	Procedure
0UPD4HZ	Removal of Contraceptive Device from Uterus and Cervix, Percutaneous Endoscopic Approach	ICD-10-CM	Procedure
0UPDXHZ	Removal of Contraceptive Device from Uterus and Cervix, External Approach	ICD-10-CM	Procedure
11982	Removal, non-biodegradable drug delivery implant	CPT-4	Procedure
58301	Removal of intrauterine device (IUD)	CPT-4	Procedure

Appendix C. List of Generic and Brand Names of Medical Products Used to Define Exposure Episodes in this Request

Generic Name	Brand Name
Oral Contraceptive	
desogestrel-ethinyl estradiol	Apri
desogestrel-ethinyl estradiol	Caziant (28)
desogestrel-ethinyl estradiol	Cesia (28)
desogestrel-ethinyl estradiol	Cyclesa (28)
desogestrel-ethinyl estradiol	Cyred
desogestrel-ethinyl estradiol	Cyred EQ
desogestrel-ethinyl estradiol	Desogen
desogestrel-ethinyl estradiol	desogestrel-ethinyl estradiol
desogestrel-ethinyl estradiol	Emoquette
desogestrel-ethinyl estradiol	Enskyce
desogestrel-ethinyl estradiol	Isibloom
desogestrel-ethinyl estradiol	Juleber
desogestrel-ethinyl estradiol	Ortho-Cept (28)
desogestrel-ethinyl estradiol	Reclipsen (28)
desogestrel-ethinyl estradiol	Solia
desogestrel-ethinyl estradiol	Velivet Triphasic Regimen (28)
desogestrel-ethinyl estradiol/ethinyl estradiol	Azurette (28)
desogestrel-ethinyl estradiol/ethinyl estradiol	Bekyree (28)
desogestrel-ethinyl estradiol/ethinyl estradiol	desog-e.estradiol/e.estradiol
desogestrel-ethinyl estradiol/ethinyl estradiol	Kariva (28)
desogestrel-ethinyl estradiol/ethinyl estradiol	Kimidess (28)
desogestrel-ethinyl estradiol/ethinyl estradiol	Mircette (28)
desogestrel-ethinyl estradiol/ethinyl estradiol	Pimtrea (28)
desogestrel-ethinyl estradiol/ethinyl estradiol	Simliya (28)
desogestrel-ethinyl estradiol/ethinyl estradiol	Viorele (28)
drospirenone/ethinyl estradiol/levomefolate calcium	Beyaz
drospirenone/ethinyl estradiol/levomefolate calcium	drospirenone-e.estradiol-lm.FA
drospirenone/ethinyl estradiol/levomefolate calcium	Rajani
drospirenone/ethinyl estradiol/levomefolate calcium	Safyral
drospirenone/ethinyl estradiol/levomefolate calcium	Tydemy
estradiol valerate/dienogest	Natazia
ethinyl estradiol/drospirenone	drospirenone-ethinyl estradiol
ethinyl estradiol/drospirenone	Gianvi (28)
ethinyl estradiol/drospirenone	Jasmiel (28)
ethinyl estradiol/drospirenone	Loryna (28)
ethinyl estradiol/drospirenone	Nikki (28)
ethinyl estradiol/drospirenone	Ocella
ethinyl estradiol/drospirenone	Syeda
ethinyl estradiol/drospirenone	Vestura (28)
ethinyl estradiol/drospirenone	Yasmin (28)
ethinyl estradiol/drospirenone	YAZ (28)
ethinyl estradiol/drospirenone	Zarah
ethynodiol diacetate-ethinyl estradiol	Demulen 1/35 (28)
ethynodiol diacetate-ethinyl estradiol	Demulen 1/50 (28)

Appendix C. List of Generic and Brand Names of Medical Products Used to Define Exposure Episodes in this Request

Generic Name	Brand Name
ethynodiol diacetate-ethinyl estradiol	ethynodiol diac-eth estradiol
ethynodiol diacetate-ethinyl estradiol	Kelnor 1/35 (28)
ethynodiol diacetate-ethinyl estradiol	Kelnor 1-50
ethynodiol diacetate-ethinyl estradiol	Zovia 1/35E (28)
ethynodiol diacetate-ethinyl estradiol	Zovia 1/50E (28)
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Amethia
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Amethia Lo
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Ashlyna
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Camrese
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Camrese Lo
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Daysee
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Fayosim
levonorgestrel/ethinyl estradiol and ethinyl estradiol	L norgest/e.estradiol-e.estrad
levonorgestrel/ethinyl estradiol and ethinyl estradiol	LoSeasonique
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Quartette
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Rivelsa
levonorgestrel/ethinyl estradiol and ethinyl estradiol	Seasonique
levonorgestrel/ethinyl estradiol/ferrous bisglycinate	Balcoltra
levonorgestrel-ethinyl estradiol	Alesse (28)
levonorgestrel-ethinyl estradiol	Altavera (28)
levonorgestrel-ethinyl estradiol	Amethyst (28)
levonorgestrel-ethinyl estradiol	Aubra
levonorgestrel-ethinyl estradiol	Aubra EQ
levonorgestrel-ethinyl estradiol	Aviane
levonorgestrel-ethinyl estradiol	Chateal (28)
levonorgestrel-ethinyl estradiol	Chateal EQ (28)
levonorgestrel-ethinyl estradiol	Delyla (28)
levonorgestrel-ethinyl estradiol	Enpresse
levonorgestrel-ethinyl estradiol	Falmina (28)
levonorgestrel-ethinyl estradiol	Introvale
levonorgestrel-ethinyl estradiol	Jolessa
levonorgestrel-ethinyl estradiol	Kurvelo (28)
levonorgestrel-ethinyl estradiol	Larissia
levonorgestrel-ethinyl estradiol	Lessina
levonorgestrel-ethinyl estradiol	Levlen (28)
levonorgestrel-ethinyl estradiol	LevLite (28)
levonorgestrel-ethinyl estradiol	Levonest (28)
levonorgestrel-ethinyl estradiol	levonorgestrel-ethinyl estrad
levonorgestrel-ethinyl estradiol	levonorg-eth estrad triphasic
levonorgestrel-ethinyl estradiol	Levora 0.15/30 (28)
levonorgestrel-ethinyl estradiol	Levora-28
levonorgestrel-ethinyl estradiol	Lillow (28)
levonorgestrel-ethinyl estradiol	Lutera (28)
levonorgestrel-ethinyl estradiol	Lybrel (28)
levonorgestrel-ethinyl estradiol	Marlissa (28)

Appendix C. List of Generic and Brand Names of Medical Products Used to Define Exposure Episodes in this Request

Generic Name	Brand Name
levonorgestrel-ethinyl estradiol	Myzilra
levonorgestrel-ethinyl estradiol	Nordette (28)
levonorgestrel-ethinyl estradiol	Nordette-8
levonorgestrel-ethinyl estradiol	Orsythia
levonorgestrel-ethinyl estradiol	Portia 28
levonorgestrel-ethinyl estradiol	Quasense
levonorgestrel-ethinyl estradiol	Seasonale (91)
levonorgestrel-ethinyl estradiol	Setlakin
levonorgestrel-ethinyl estradiol	Sronyx
levonorgestrel-ethinyl estradiol	Tri-Levlen (28)
levonorgestrel-ethinyl estradiol	Triphasil (28)
levonorgestrel-ethinyl estradiol	Trivora (28)
levonorgestrel-ethinyl estradiol	Vienna
norethindrone	Camila
norethindrone	Deblitane
norethindrone	Errin
norethindrone	Heather
norethindrone	Incassia
norethindrone	Jencycla
norethindrone	Jolivette
norethindrone	Lyza
norethindrone	Micronor (28)
norethindrone	Nora-BE
norethindrone	norethindrone (contraceptive)
norethindrone	Norlyda
norethindrone	Norlyroc
norethindrone	Nor-Q-D
norethindrone	Ortho Micronor
norethindrone	Sharobel
norethindrone	Tulana
norethindrone acetate-ethinyl estradiol	Aurovela 1.5/30 (21)
norethindrone acetate-ethinyl estradiol	Aurovela 1/20 (21)
norethindrone acetate-ethinyl estradiol	Gildess 1.5/30 (21)
norethindrone acetate-ethinyl estradiol	Gildess 1/20 (21)
norethindrone acetate-ethinyl estradiol	Junel 1.5/30 (21)
norethindrone acetate-ethinyl estradiol	Junel 1/20 (21)
norethindrone acetate-ethinyl estradiol	Larin 1.5/30 (21)
norethindrone acetate-ethinyl estradiol	Larin 1/20 (21)
norethindrone acetate-ethinyl estradiol	Loestrin 1.5/30 (21)
norethindrone acetate-ethinyl estradiol	Loestrin 1/20 (21)
norethindrone acetate-ethinyl estradiol	Microgestin 1.5/30 (21)
norethindrone acetate-ethinyl estradiol	Microgestin 1/20 (21)
norethindrone acetate-ethinyl estradiol	norethindrone ac-eth estradiol
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Aurovela 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Aurovela Fe 1-20 (28)

Appendix C. List of Generic and Brand Names of Medical Products Used to Define Exposure Episodes in this Request

Generic Name	Brand Name
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Blisovi 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Blisovi Fe 1.5/30 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Blisovi Fe 1/20 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Estrostep Fe-28
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Gildess 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Gildess FE 1.5/30 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Gildess FE 1/20 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Hailey 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Junel FE 1.5/30 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Junel FE 1/20 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Junel Fe 24
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Larin 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Larin Fe 1.5/30 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Larin Fe 1/20 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Lo Loestrin Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Lo Minastrin Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Loestrin 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Loestrin Fe 1.5/30 (28-Day)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Loestrin Fe 1/20 (28-Day)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Lomedia 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Melodetta 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Mibelas 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Microgestin 24 FE
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Microgestin Fe 1.5/30 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Microgestin FE 1/20 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Minastrin 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	norethindrone-e.estradiol-iron
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Tarina 24 Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Tarina Fe 1/20 (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Tarina Fe 1-20 EQ (28)
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Taytulla
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Tilia Fe
norethindrone acetate-ethinyl estradiol/ferrous fumarate	Tri-Legest Fe
norethindrone-ethinyl estradiol	Alyacen 1/35 (28)
norethindrone-ethinyl estradiol	Alyacen 7/7/7 (28)
norethindrone-ethinyl estradiol	Aranelle (28)
norethindrone-ethinyl estradiol	Balziva (28)
norethindrone-ethinyl estradiol	Brevicon (28)
norethindrone-ethinyl estradiol	Brielllyn
norethindrone-ethinyl estradiol	Cyclafem 1/35 (28)
norethindrone-ethinyl estradiol	Cyclafem 7/7/7 (28)
norethindrone-ethinyl estradiol	Dasetta 1/35 (28)
norethindrone-ethinyl estradiol	Dasetta 7/7/7 (28)
norethindrone-ethinyl estradiol	Gildagia
norethindrone-ethinyl estradiol	Leena 28

Appendix C. List of Generic and Brand Names of Medical Products Used to Define Exposure Episodes in this Request

Generic Name	Brand Name
norethindrone-ethinyl estradiol	Modicon (28)
norethindrone-ethinyl estradiol	Necon 0.5/35 (28)
norethindrone-ethinyl estradiol	Necon 1/35 (28)
norethindrone-ethinyl estradiol	Necon 10/11 (28)
norethindrone-ethinyl estradiol	Necon 7/7/7 (28)
norethindrone-ethinyl estradiol	Norinyl 1/35 (28)
norethindrone-ethinyl estradiol	Nortrel 0.5/35 (28)
norethindrone-ethinyl estradiol	Nortrel 1/35 (21)
norethindrone-ethinyl estradiol	Nortrel 1/35 (28)
norethindrone-ethinyl estradiol	Nortrel 7/7/7 (28)
norethindrone-ethinyl estradiol	Ortho-Novum 1/35 (28)
norethindrone-ethinyl estradiol	Ortho-Novum 7/7/7 (21)
norethindrone-ethinyl estradiol	Ortho-Novum 7/7/7 (28)
norethindrone-ethinyl estradiol	Ovcon-35 (21)
norethindrone-ethinyl estradiol	Ovcon-35 (28)
norethindrone-ethinyl estradiol	Ovcon-50 (28)
norethindrone-ethinyl estradiol	Philith
norethindrone-ethinyl estradiol	Pirmella
norethindrone-ethinyl estradiol	Tri-Norinyl (28)
norethindrone-ethinyl estradiol	Vyfemla (28)
norethindrone-ethinyl estradiol	Wera (28)
norethindrone-ethinyl estradiol	Zenchent (28)
norethindrone-ethinyl estradiol/ferrous fumarate	Femcon Fe
norethindrone-ethinyl estradiol/ferrous fumarate	Generess Fe
norethindrone-ethinyl estradiol/ferrous fumarate	Kaitlib Fe
norethindrone-ethinyl estradiol/ferrous fumarate	Layolis Fe
norethindrone-ethinyl estradiol/ferrous fumarate	noreth-ethinyl estradiol-iron
norethindrone-ethinyl estradiol/ferrous fumarate	Wymzya Fe
norethindrone-ethinyl estradiol/ferrous fumarate	Zenchent Fe
norethindrone-ethinyl estradiol/ferrous fumarate	Zeosa
norethindrone-mestranol	Necon 1/50 (28)
norethindrone-mestranol	Norinyl 1+50 (28)
norethindrone-mestranol	Ortho-Novum 1/50 (28)
norgestimate-ethinyl estradiol	Estarylla
norgestimate-ethinyl estradiol	Femynor
norgestimate-ethinyl estradiol	Mili
norgestimate-ethinyl estradiol	Mono-Linyah
norgestimate-ethinyl estradiol	Mononessa (28)
norgestimate-ethinyl estradiol	norgestimate-ethinyl estradiol
norgestimate-ethinyl estradiol	Ortho Tri-Cyclen (28)
norgestimate-ethinyl estradiol	Ortho Tri-Cyclen LO (28)
norgestimate-ethinyl estradiol	Ortho-Cyclen (28)
norgestimate-ethinyl estradiol	Previfem
norgestimate-ethinyl estradiol	Sprintec (28)
norgestimate-ethinyl estradiol	Tri Femynor

Appendix C. List of Generic and Brand Names of Medical Products Used to Define Exposure Episodes in this Request

Generic Name	Brand Name
norgestimate-ethinyl estradiol	Tri-Estarylla
norgestimate-ethinyl estradiol	Tri-Linyah
norgestimate-ethinyl estradiol	Tri-Lo-Estarylla
norgestimate-ethinyl estradiol	Tri-Lo-Marzia
norgestimate-ethinyl estradiol	Tri-Lo-Sprintec
norgestimate-ethinyl estradiol	Tri-Mili
norgestimate-ethinyl estradiol	TriNessa (28)
norgestimate-ethinyl estradiol	TriNessa Lo
norgestimate-ethinyl estradiol	Tri-Previfem (28)
norgestimate-ethinyl estradiol	Tri-Sprintec (28)
norgestimate-ethinyl estradiol	Tri-VyLibra
norgestimate-ethinyl estradiol	Tri-VyLibra Lo
norgestimate-ethinyl estradiol	VyLibra
norgestrel-ethinyl estradiol	Cryselle (28)
norgestrel-ethinyl estradiol	Elinest
norgestrel-ethinyl estradiol	Lo-Ovral (21)
norgestrel-ethinyl estradiol	Lo-Ovral (28)
norgestrel-ethinyl estradiol	Lo-Ovral (8)
norgestrel-ethinyl estradiol	Low-Ogestrel (28)
norgestrel-ethinyl estradiol	norgestrel-ethinyl estradiol
norgestrel-ethinyl estradiol	Ogestrel (28)
norgestrel-ethinyl estradiol	Ovral (21)
norgestrel-ethinyl estradiol	Ovral (28)

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	279.0	Deficiency of humoral immunity	ICD-9-CM	Diagnosis
All autoimmune conditions	279.00	Unspecified hypogammaglobulinemia	ICD-9-CM	Diagnosis
All autoimmune conditions	279.01	Selective IgA immunodeficiency	ICD-9-CM	Diagnosis
All autoimmune conditions	279.02	Selective IgM immunodeficiency	ICD-9-CM	Diagnosis
All autoimmune conditions	279.03	Other selective immunoglobulin deficiencies	ICD-9-CM	Diagnosis
All autoimmune conditions	279.04	Congenital hypogammaglobulinemia	ICD-9-CM	Diagnosis
All autoimmune conditions	279.05	Immunodeficiency with increased IgM	ICD-9-CM	Diagnosis
All autoimmune conditions	279.06	Common variable immunodeficiency	ICD-9-CM	Diagnosis
All autoimmune conditions	279.09	Other deficiency of humoral immunity	ICD-9-CM	Diagnosis
All autoimmune conditions	279.11	DiGeorge's syndrome	ICD-9-CM	Diagnosis
All autoimmune conditions	279.12	Wiskott-Aldrich syndrome	ICD-9-CM	Diagnosis
All autoimmune conditions	279.13	Nezelof's syndrome	ICD-9-CM	Diagnosis
All autoimmune conditions	279.2	Combined immunity deficiency	ICD-9-CM	Diagnosis
All autoimmune conditions	279.3	Unspecified immunity deficiency	ICD-9-CM	Diagnosis
All autoimmune conditions	279.4	Autoimmune disease, not elsewhere classified	ICD-9-CM	Diagnosis
All autoimmune conditions	279.41	Autoimmune lymphoproliferative syndrome	ICD-9-CM	Diagnosis
All autoimmune conditions	279.49	Autoimmune disease, not elsewhere classified	ICD-9-CM	Diagnosis
All autoimmune conditions	279.8	Other specified disorders involving the immune mechanism	ICD-9-CM	Diagnosis
All autoimmune conditions	279.9	Unspecified disorder of immune mechanism	ICD-9-CM	Diagnosis
All autoimmune conditions	340	Multiple sclerosis	ICD-9-CM	Diagnosis
All autoimmune conditions	D80.0	Hereditary hypogammaglobulinemia	ICD-10-CM	Diagnosis
All autoimmune conditions	D80.1	Nonfamilial hypogammaglobulinemia	ICD-10-CM	Diagnosis
All autoimmune conditions	D80.2	Selective deficiency of immunoglobulin A [IgA]	ICD-10-CM	Diagnosis
All autoimmune conditions	D80.3	Selective deficiency of immunoglobulin G [IgG] subclasses	ICD-10-CM	Diagnosis
All autoimmune conditions	D80.4	Selective deficiency of immunoglobulin M [IgM]	ICD-10-CM	Diagnosis
All autoimmune conditions	D80.5	Immunodeficiency with increased immunoglobulin M [IgM]	ICD-10-CM	Diagnosis
All autoimmune conditions	D80.6	Antibody deficiency with near-normal immunoglobulins or with hyperimmunoglobulinemia	ICD-10-CM	Diagnosis
All autoimmune conditions	D80.7	Transient hypogammaglobulinemia of infancy	ICD-10-CM	Diagnosis
All autoimmune conditions	D80.8	Other immunodeficiencies with predominantly antibody defects	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	D80.9	Immunodeficiency with predominantly antibody defects, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	D81.0	Severe combined immunodeficiency [SCID] with reticular dysgenesis	ICD-10-CM	Diagnosis
All autoimmune conditions	D81.1	Severe combined immunodeficiency [SCID] with low T- and B-cell numbers	ICD-10-CM	Diagnosis
All autoimmune conditions	D81.2	Severe combined immunodeficiency [SCID] with low or normal B-cell numbers	ICD-10-CM	Diagnosis
All autoimmune conditions	D81.4	Nezelof's syndrome	ICD-10-CM	Diagnosis
All autoimmune conditions	D81.6	Major histocompatibility complex class I deficiency	ICD-10-CM	Diagnosis
All autoimmune conditions	D81.7	Major histocompatibility complex class II deficiency	ICD-10-CM	Diagnosis
All autoimmune conditions	D81.89	Other combined immunodeficiencies	ICD-10-CM	Diagnosis
All autoimmune conditions	D81.9	Combined immunodeficiency, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	D82.0	Wiskott-Aldrich syndrome	ICD-10-CM	Diagnosis
All autoimmune conditions	D82.1	Di George's syndrome	ICD-10-CM	Diagnosis
All autoimmune conditions	D82.2	Immunodeficiency with short-limbed stature	ICD-10-CM	Diagnosis
All autoimmune conditions	D82.3	Immunodeficiency following hereditary defective response to Epstein-Barr virus	ICD-10-CM	Diagnosis
All autoimmune conditions	D82.4	Hyperimmunoglobulin E [IgE] syndrome	ICD-10-CM	Diagnosis
All autoimmune conditions	D82.8	Immunodeficiency associated with other specified major defects	ICD-10-CM	Diagnosis
All autoimmune conditions	D82.9	Immunodeficiency associated with major defect, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	D83.0	Common variable immunodeficiency with predominant abnormalities of B-cell numbers and function	ICD-10-CM	Diagnosis
All autoimmune conditions	D83.1	Common variable immunodeficiency with predominant immunoregulatory T-cell disorders	ICD-10-CM	Diagnosis
All autoimmune conditions	D83.2	Common variable immunodeficiency with autoantibodies to B- or T-cells	ICD-10-CM	Diagnosis
All autoimmune conditions	D83.8	Other common variable immunodeficiencies	ICD-10-CM	Diagnosis
All autoimmune conditions	D83.9	Common variable immunodeficiency, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	D84.0	Lymphocyte function antigen-1 [LFA-1] defect	ICD-10-CM	Diagnosis
All autoimmune conditions	D84.1	Defects in the complement system	ICD-10-CM	Diagnosis
All autoimmune conditions	D84.8	Other specified immunodeficiencies	ICD-10-CM	Diagnosis
All autoimmune conditions	D84.9	Immunodeficiency, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	D89.3	Immune reconstitution syndrome	ICD-10-CM	Diagnosis
All autoimmune conditions	D89.40	Mast cell activation, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	D89.41	Monoclonal mast cell activation syndrome	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	D89.42	Idiopathic mast cell activation syndrome	ICD-10-CM	Diagnosis
All autoimmune conditions	D89.43	Secondary mast cell activation	ICD-10-CM	Diagnosis
All autoimmune conditions	D89.49	Other mast cell activation disorder	ICD-10-CM	Diagnosis
All autoimmune conditions	D89.82	Autoimmune lymphoproliferative syndrome [ALPS]	ICD-10-CM	Diagnosis
All autoimmune conditions	D89.89	Other specified disorders involving the immune mechanism, not elsewhere classified	ICD-10-CM	Diagnosis
All autoimmune conditions	D89.9	Disorder involving the immune mechanism, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	G35	Multiple sclerosis	ICD-10-CM	Diagnosis
All autoimmune conditions	M35.9	Systemic involvement of connective tissue, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	714.0	Rheumatoid arthritis	ICD-10-CM	Diagnosis
All autoimmune conditions	714.1	Felty's syndrome	ICD-10-CM	Diagnosis
All autoimmune conditions	714.2	Other rheumatoid arthritis with visceral or systemic involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	714.3	Juvenile chronic polyarthritis	ICD-10-CM	Diagnosis
All autoimmune conditions	714.30	Polyarticular juvenile rheumatoid arthritis, chronic or unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	714.31	Polyarticular juvenile rheumatoid arthritis, acute	ICD-10-CM	Diagnosis
All autoimmune conditions	714.32	Pauciarticular juvenile rheumatoid arthritis	ICD-10-CM	Diagnosis
All autoimmune conditions	714.33	Monoarticular juvenile rheumatoid arthritis	ICD-10-CM	Diagnosis
All autoimmune conditions	714.4	Chronic postrheumatic arthropathy	ICD-10-CM	Diagnosis
All autoimmune conditions	714.8	Other specified inflammatory polyarthropathies	ICD-10-CM	Diagnosis
All autoimmune conditions	714.81	Rheumatoid lung	ICD-10-CM	Diagnosis
All autoimmune conditions	714.89	Other specified inflammatory polyarthropathies	ICD-10-CM	Diagnosis
All autoimmune conditions	714.9	Unspecified inflammatory polyarthropathy	ICD-10-CM	Diagnosis
All autoimmune conditions	720.0	Ankylosing spondylitis	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.00	Felty's syndrome, unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.011	Felty's syndrome, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.012	Felty's syndrome, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.019	Felty's syndrome, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.021	Felty's syndrome, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.022	Felty's syndrome, left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.029	Felty's syndrome, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.031	Felty's syndrome, right wrist	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M05.032	Felty's syndrome, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.039	Felty's syndrome, unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.041	Felty's syndrome, right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.042	Felty's syndrome, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.049	Felty's syndrome, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.051	Felty's syndrome, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.052	Felty's syndrome, left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.059	Felty's syndrome, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.061	Felty's syndrome, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.062	Felty's syndrome, left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.069	Felty's syndrome, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.071	Felty's syndrome, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.072	Felty's syndrome, left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.079	Felty's syndrome, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.09	Felty's syndrome, multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.10	Rheumatoid lung disease with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.111	Rheumatoid lung disease with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.112	Rheumatoid lung disease with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.119	Rheumatoid lung disease with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.121	Rheumatoid lung disease with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.122	Rheumatoid lung disease with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.129	Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.131	Rheumatoid lung disease with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.132	Rheumatoid lung disease with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.139	Rheumatoid lung disease with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.141	Rheumatoid lung disease with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.142	Rheumatoid lung disease with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.149	Rheumatoid lung disease with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.151	Rheumatoid lung disease with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.152	Rheumatoid lung disease with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M05.159	Rheumatoid lung disease with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.161	Rheumatoid lung disease with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.162	Rheumatoid lung disease with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.169	Rheumatoid lung disease with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.171	Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.172	Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.179	Rheumatoid lung disease with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.19	Rheumatoid lung disease with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.20	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.229	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.241	Rheumatoid vasculitis with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.242	Rheumatoid vasculitis with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.251	Rheumatoid vasculitis with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.252	Rheumatoid vasculitis with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.261	Rheumatoid vasculitis with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.262	Rheumatoid vasculitis with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M05.29	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.30	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.321	Rheumatoid heart disease with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.322	Rheumatoid heart disease with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.331	Rheumatoid heart disease with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.332	Rheumatoid heart disease with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.341	Rheumatoid heart disease with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.342	Rheumatoid heart disease with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.351	Rheumatoid heart disease with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.352	Rheumatoid heart disease with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.361	Rheumatoid heart disease with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.362	Rheumatoid heart disease with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.39	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.40	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.421	Rheumatoid myopathy with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.422	Rheumatoid myopathy with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M05.429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.431	Rheumatoid myopathy with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.432	Rheumatoid myopathy with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.441	Rheumatoid myopathy with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.442	Rheumatoid myopathy with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.451	Rheumatoid myopathy with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.452	Rheumatoid myopathy with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.461	Rheumatoid myopathy with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.462	Rheumatoid myopathy with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.49	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.50	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M05.551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.60	Rheumatoid arthritis of unspecified site with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.621	Rheumatoid arthritis of right elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.622	Rheumatoid arthritis of left elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.631	Rheumatoid arthritis of right wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.632	Rheumatoid arthritis of left wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.641	Rheumatoid arthritis of right hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.642	Rheumatoid arthritis of left hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.651	Rheumatoid arthritis of right hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.652	Rheumatoid arthritis of left hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.659	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M05.661	Rheumatoid arthritis of right knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.662	Rheumatoid arthritis of left knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.69	Rheumatoid arthritis of multiple sites with involvement of other organs and systems	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.70	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M05.741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.80	Other rheumatoid arthritis with rheumatoid factor of unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.811	Other rheumatoid arthritis with rheumatoid factor of right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.812	Other rheumatoid arthritis with rheumatoid factor of left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M05.821	Other rheumatoid arthritis with rheumatoid factor of right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.822	Other rheumatoid arthritis with rheumatoid factor of left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.831	Other rheumatoid arthritis with rheumatoid factor of right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.832	Other rheumatoid arthritis with rheumatoid factor of left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.841	Other rheumatoid arthritis with rheumatoid factor of right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.842	Other rheumatoid arthritis with rheumatoid factor of left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.851	Other rheumatoid arthritis with rheumatoid factor of right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.852	Other rheumatoid arthritis with rheumatoid factor of left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.861	Other rheumatoid arthritis with rheumatoid factor of right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.862	Other rheumatoid arthritis with rheumatoid factor of left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.89	Other rheumatoid arthritis with rheumatoid factor of multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M05.9	Rheumatoid arthritis with rheumatoid factor, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.00	Rheumatoid arthritis without rheumatoid factor, unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.011	Rheumatoid arthritis without rheumatoid factor, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.012	Rheumatoid arthritis without rheumatoid factor, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.019	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.021	Rheumatoid arthritis without rheumatoid factor, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.022	Rheumatoid arthritis without rheumatoid factor, left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.029	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.031	Rheumatoid arthritis without rheumatoid factor, right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.032	Rheumatoid arthritis without rheumatoid factor, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.039	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M06.041	Rheumatoid arthritis without rheumatoid factor, right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.042	Rheumatoid arthritis without rheumatoid factor, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.049	Rheumatoid arthritis without rheumatoid factor, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.051	Rheumatoid arthritis without rheumatoid factor, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.052	Rheumatoid arthritis without rheumatoid factor, left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.059	Rheumatoid arthritis without rheumatoid factor, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.061	Rheumatoid arthritis without rheumatoid factor, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.062	Rheumatoid arthritis without rheumatoid factor, left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.069	Rheumatoid arthritis without rheumatoid factor, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.071	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.072	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.079	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.08	Rheumatoid arthritis without rheumatoid factor, vertebrae	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.1	Adult-onset Still's disease	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.20	Rheumatoid bursitis, unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.211	Rheumatoid bursitis, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.212	Rheumatoid bursitis, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.219	Rheumatoid bursitis, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.221	Rheumatoid bursitis, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.222	Rheumatoid bursitis, left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.229	Rheumatoid bursitis, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.231	Rheumatoid bursitis, right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.232	Rheumatoid bursitis, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.239	Rheumatoid bursitis, unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.241	Rheumatoid bursitis, right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.242	Rheumatoid bursitis, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.249	Rheumatoid bursitis, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.251	Rheumatoid bursitis, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.252	Rheumatoid bursitis, left hip	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M06.259	Rheumatoid bursitis, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.261	Rheumatoid bursitis, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.262	Rheumatoid bursitis, left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.269	Rheumatoid bursitis, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.271	Rheumatoid bursitis, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.272	Rheumatoid bursitis, left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.279	Rheumatoid bursitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.28	Rheumatoid bursitis, vertebrae	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.29	Rheumatoid bursitis, multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.30	Rheumatoid nodule, unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.311	Rheumatoid nodule, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.312	Rheumatoid nodule, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.319	Rheumatoid nodule, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.321	Rheumatoid nodule, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.322	Rheumatoid nodule, left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.329	Rheumatoid nodule, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.331	Rheumatoid nodule, right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.332	Rheumatoid nodule, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.339	Rheumatoid nodule, unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.341	Rheumatoid nodule, right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.342	Rheumatoid nodule, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.349	Rheumatoid nodule, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.351	Rheumatoid nodule, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.352	Rheumatoid nodule, left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.359	Rheumatoid nodule, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.361	Rheumatoid nodule, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.362	Rheumatoid nodule, left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.369	Rheumatoid nodule, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.371	Rheumatoid nodule, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.372	Rheumatoid nodule, left ankle and foot	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M06.379	Rheumatoid nodule, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.38	Rheumatoid nodule, vertebrae	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.39	Rheumatoid nodule, multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.4	Inflammatory polyarthropathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.80	Other specified rheumatoid arthritis, unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.811	Other specified rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.812	Other specified rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.819	Other specified rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.821	Other specified rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.822	Other specified rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.829	Other specified rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.831	Other specified rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.832	Other specified rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.839	Other specified rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.841	Other specified rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.842	Other specified rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.849	Other specified rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.851	Other specified rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.852	Other specified rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.859	Other specified rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.861	Other specified rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.862	Other specified rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.869	Other specified rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.871	Other specified rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.872	Other specified rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.879	Other specified rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.88	Other specified rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.89	Other specified rheumatoid arthritis, multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M06.9	Rheumatoid arthritis, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.00	Unspecified juvenile rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M08.011	Unspecified juvenile rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.012	Unspecified juvenile rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.019	Unspecified juvenile rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.021	Unspecified juvenile rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.022	Unspecified juvenile rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.029	Unspecified juvenile rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.031	Unspecified juvenile rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.032	Unspecified juvenile rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.039	Unspecified juvenile rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.041	Unspecified juvenile rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.042	Unspecified juvenile rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.049	Unspecified juvenile rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.051	Unspecified juvenile rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.052	Unspecified juvenile rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.059	Unspecified juvenile rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.061	Unspecified juvenile rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.062	Unspecified juvenile rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.069	Unspecified juvenile rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.071	Unspecified juvenile rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.072	Unspecified juvenile rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.079	Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.08	Unspecified juvenile rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.09	Unspecified juvenile rheumatoid arthritis, multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.1	Juvenile ankylosing spondylitis	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.20	Juvenile rheumatoid arthritis with systemic onset, unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.211	Juvenile rheumatoid arthritis with systemic onset, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.212	Juvenile rheumatoid arthritis with systemic onset, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.219	Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.221	Juvenile rheumatoid arthritis with systemic onset, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.222	Juvenile rheumatoid arthritis with systemic onset, left elbow	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M08.229	Juvenile rheumatoid arthritis with systemic onset, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.231	Juvenile rheumatoid arthritis with systemic onset, right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.232	Juvenile rheumatoid arthritis with systemic onset, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.239	Juvenile rheumatoid arthritis with systemic onset, unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.241	Juvenile rheumatoid arthritis with systemic onset, right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.242	Juvenile rheumatoid arthritis with systemic onset, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.249	Juvenile rheumatoid arthritis with systemic onset, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.251	Juvenile rheumatoid arthritis with systemic onset, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.252	Juvenile rheumatoid arthritis with systemic onset, left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.259	Juvenile rheumatoid arthritis with systemic onset, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.261	Juvenile rheumatoid arthritis with systemic onset, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.262	Juvenile rheumatoid arthritis with systemic onset, left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.269	Juvenile rheumatoid arthritis with systemic onset, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.279	Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.28	Juvenile rheumatoid arthritis with systemic onset, vertebrae	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.3	Juvenile rheumatoid polyarthritis (seronegative)	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.40	Pauciarticular juvenile rheumatoid arthritis, unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.411	Pauciarticular juvenile rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.412	Pauciarticular juvenile rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.419	Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.421	Pauciarticular juvenile rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.422	Pauciarticular juvenile rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.429	Pauciarticular juvenile rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.431	Pauciarticular juvenile rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.432	Pauciarticular juvenile rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.439	Pauciarticular juvenile rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.441	Pauciarticular juvenile rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M08.442	Pauciarticular juvenile rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.449	Pauciarticular juvenile rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.451	Pauciarticular juvenile rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.452	Pauciarticular juvenile rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.459	Pauciarticular juvenile rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.461	Pauciarticular juvenile rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.462	Pauciarticular juvenile rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.469	Pauciarticular juvenile rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.471	Pauciarticular juvenile rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.472	Pauciarticular juvenile rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.479	Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.48	Pauciarticular juvenile rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.80	Other juvenile arthritis, unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.811	Other juvenile arthritis, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.812	Other juvenile arthritis, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.819	Other juvenile arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.821	Other juvenile arthritis, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.822	Other juvenile arthritis, left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.829	Other juvenile arthritis, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.831	Other juvenile arthritis, right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.832	Other juvenile arthritis, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.839	Other juvenile arthritis, unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.841	Other juvenile arthritis, right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.842	Other juvenile arthritis, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.849	Other juvenile arthritis, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.851	Other juvenile arthritis, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.852	Other juvenile arthritis, left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.859	Other juvenile arthritis, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.861	Other juvenile arthritis, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.862	Other juvenile arthritis, left knee	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M08.869	Other juvenile arthritis, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.871	Other juvenile arthritis, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.872	Other juvenile arthritis, left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.879	Other juvenile arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.88	Other juvenile arthritis, other specified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.89	Other juvenile arthritis, multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.90	Juvenile arthritis, unspecified, unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.911	Juvenile arthritis, unspecified, right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.912	Juvenile arthritis, unspecified, left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.919	Juvenile arthritis, unspecified, unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.921	Juvenile arthritis, unspecified, right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.922	Juvenile arthritis, unspecified, left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.929	Juvenile arthritis, unspecified, unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.931	Juvenile arthritis, unspecified, right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.932	Juvenile arthritis, unspecified, left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.939	Juvenile arthritis, unspecified, unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.941	Juvenile arthritis, unspecified, right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.942	Juvenile arthritis, unspecified, left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.949	Juvenile arthritis, unspecified, unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.951	Juvenile arthritis, unspecified, right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.952	Juvenile arthritis, unspecified, left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.959	Juvenile arthritis, unspecified, unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.961	Juvenile arthritis, unspecified, right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.962	Juvenile arthritis, unspecified, left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.969	Juvenile arthritis, unspecified, unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.971	Juvenile arthritis, unspecified, right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.972	Juvenile arthritis, unspecified, left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.979	Juvenile arthritis, unspecified, unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.98	Juvenile arthritis, unspecified, vertebrae	ICD-10-CM	Diagnosis
All autoimmune conditions	M08.99	Juvenile arthritis, unspecified, multiple sites	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M12.00	Chronic postrheumatic arthropathy [Jaccoud], unspecified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.011	Chronic postrheumatic arthropathy [Jaccoud], right shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.012	Chronic postrheumatic arthropathy [Jaccoud], left shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.019	Chronic postrheumatic arthropathy [Jaccoud], unspecified shoulder	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.021	Chronic postrheumatic arthropathy [Jaccoud], right elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.022	Chronic postrheumatic arthropathy [Jaccoud], left elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.029	Chronic postrheumatic arthropathy [Jaccoud], unspecified elbow	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.031	Chronic postrheumatic arthropathy [Jaccoud], right wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.032	Chronic postrheumatic arthropathy [Jaccoud], left wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.039	Chronic postrheumatic arthropathy [Jaccoud], unspecified wrist	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.041	Chronic postrheumatic arthropathy [Jaccoud], right hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.042	Chronic postrheumatic arthropathy [Jaccoud], left hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.049	Chronic postrheumatic arthropathy [Jaccoud], unspecified hand	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.051	Chronic postrheumatic arthropathy [Jaccoud], right hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.052	Chronic postrheumatic arthropathy [Jaccoud], left hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.059	Chronic postrheumatic arthropathy [Jaccoud], unspecified hip	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.061	Chronic postrheumatic arthropathy [Jaccoud], right knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.062	Chronic postrheumatic arthropathy [Jaccoud], left knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.069	Chronic postrheumatic arthropathy [Jaccoud], unspecified knee	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.071	Chronic postrheumatic arthropathy [Jaccoud], right ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.072	Chronic postrheumatic arthropathy [Jaccoud], left ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.079	Chronic postrheumatic arthropathy [Jaccoud], unspecified ankle and foot	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.08	Chronic postrheumatic arthropathy [Jaccoud], other specified site	ICD-10-CM	Diagnosis
All autoimmune conditions	M12.09	Chronic postrheumatic arthropathy [Jaccoud], multiple sites	ICD-10-CM	Diagnosis
All autoimmune conditions	M45.0	Ankylosing spondylitis of multiple sites in spine	ICD-10-CM	Diagnosis
All autoimmune conditions	M45.1	Ankylosing spondylitis of occipito-atlanto-axial region	ICD-10-CM	Diagnosis
All autoimmune conditions	M45.2	Ankylosing spondylitis of cervical region	ICD-10-CM	Diagnosis
All autoimmune conditions	M45.3	Ankylosing spondylitis of cervicothoracic region	ICD-10-CM	Diagnosis
All autoimmune conditions	M45.4	Ankylosing spondylitis of thoracic region	ICD-10-CM	Diagnosis
All autoimmune conditions	M45.5	Ankylosing spondylitis of thoracolumbar region	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M45.6	Ankylosing spondylitis lumbar region	ICD-10-CM	Diagnosis
All autoimmune conditions	M45.7	Ankylosing spondylitis of lumbosacral region	ICD-10-CM	Diagnosis
All autoimmune conditions	M45.8	Ankylosing spondylitis sacral and sacrococcygeal region	ICD-10-CM	Diagnosis
All autoimmune conditions	M45.9	Ankylosing spondylitis of unspecified sites in spine	ICD-10-CM	Diagnosis
All autoimmune conditions	M48.8X1	Other specified spondylopathies, occipito-atlanto-axial region	ICD-10-CM	Diagnosis
All autoimmune conditions	M48.8X2	Other specified spondylopathies, cervical region	ICD-10-CM	Diagnosis
All autoimmune conditions	M48.8X3	Other specified spondylopathies, cervicothoracic region	ICD-10-CM	Diagnosis
All autoimmune conditions	M48.8X4	Other specified spondylopathies, thoracic region	ICD-10-CM	Diagnosis
All autoimmune conditions	M48.8X5	Other specified spondylopathies, thoracolumbar region	ICD-10-CM	Diagnosis
All autoimmune conditions	M48.8X6	Other specified spondylopathies, lumbar region	ICD-10-CM	Diagnosis
All autoimmune conditions	M48.8X7	Other specified spondylopathies, lumbosacral region	ICD-10-CM	Diagnosis
All autoimmune conditions	M48.8X8	Other specified spondylopathies, sacral and sacrococcygeal region	ICD-10-CM	Diagnosis
All autoimmune conditions	M48.8X9	Other specified spondylopathies, site unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	710.0	Systemic lupus erythematosus	ICD-9-CM	Diagnosis
All autoimmune conditions	710.1	Systemic sclerosis	ICD-9-CM	Diagnosis
All autoimmune conditions	710.2	Sicca syndrome	ICD-9-CM	Diagnosis
All autoimmune conditions	710.3	Dermatomyositis	ICD-9-CM	Diagnosis
All autoimmune conditions	710.4	Polymyositis	ICD-9-CM	Diagnosis
All autoimmune conditions	710.8	Other specified diffuse disease of connective tissue	ICD-9-CM	Diagnosis
All autoimmune conditions	710.9	Unspecified diffuse connective tissue disease	ICD-9-CM	Diagnosis
All autoimmune conditions	M04.2	Cryopyrin-associated periodic syndromes	ICD-10-CM	Diagnosis
All autoimmune conditions	M04.8	Other autoinflammatory syndromes	ICD-10-CM	Diagnosis
All autoimmune conditions	M04.9	Autoinflammatory syndrome, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M32.0	Drug-induced systemic lupus erythematosus	ICD-10-CM	Diagnosis
All autoimmune conditions	M32.10	Systemic lupus erythematosus, organ or system involvement unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M32.11	Endocarditis in systemic lupus erythematosus	ICD-10-CM	Diagnosis
All autoimmune conditions	M32.12	Pericarditis in systemic lupus erythematosus	ICD-10-CM	Diagnosis
All autoimmune conditions	M32.13	Lung involvement in systemic lupus erythematosus	ICD-10-CM	Diagnosis
All autoimmune conditions	M32.14	Glomerular disease in systemic lupus erythematosus	ICD-10-CM	Diagnosis
All autoimmune conditions	M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M32.19	Other organ or system involvement in systemic lupus erythematosus	ICD-10-CM	Diagnosis
All autoimmune conditions	M32.8	Other forms of systemic lupus erythematosus	ICD-10-CM	Diagnosis
All autoimmune conditions	M32.9	Systemic lupus erythematosus, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.00	Juvenile dermatomyositis, organ involvement unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.01	Juvenile dermatomyositis with respiratory involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.02	Juvenile dermatomyositis with myopathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.03	Juvenile dermatomyositis without myopathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.09	Juvenile dermatomyositis with other organ involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.10	Other dermatomyositis, organ involvement unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.11	Other dermatomyositis with respiratory involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.12	Other dermatomyositis with myopathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.13	Other dermatomyositis without myopathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.19	Other dermatomyositis with other organ involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.20	Polymyositis, organ involvement unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.21	Polymyositis with respiratory involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.22	Polymyositis with myopathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.29	Polymyositis with other organ involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.90	Dermatopolymyositis, unspecified, organ involvement unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.91	Dermatopolymyositis, unspecified with respiratory involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.92	Dermatopolymyositis, unspecified with myopathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.93	Dermatopolymyositis, unspecified without myopathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M33.99	Dermatopolymyositis, unspecified with other organ involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M34.0	Progressive systemic sclerosis	ICD-10-CM	Diagnosis
All autoimmune conditions	M34.1	CR(E)ST syndrome	ICD-10-CM	Diagnosis
All autoimmune conditions	M34.2	Systemic sclerosis induced by drug and chemical	ICD-10-CM	Diagnosis
All autoimmune conditions	M34.81	Systemic sclerosis with lung involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M34.82	Systemic sclerosis with myopathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M34.83	Systemic sclerosis with polyneuropathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M34.89	Other systemic sclerosis	ICD-10-CM	Diagnosis
All autoimmune conditions	M34.9	Systemic sclerosis, unspecified	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All autoimmune conditions	M35.00	Sicca syndrome, unspecified	ICD-10-CM	Diagnosis
All autoimmune conditions	M35.01	Sicca syndrome with keratoconjunctivitis	ICD-10-CM	Diagnosis
All autoimmune conditions	M35.02	Sicca syndrome with lung involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M35.03	Sicca syndrome with myopathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M35.04	Sicca syndrome with tubulo-interstitial nephropathy	ICD-10-CM	Diagnosis
All autoimmune conditions	M35.09	Sicca syndrome with other organ involvement	ICD-10-CM	Diagnosis
All autoimmune conditions	M35.1	Other overlap syndromes	ICD-10-CM	Diagnosis
All autoimmune conditions	M35.5	Multifocal fibrosclerosis	ICD-10-CM	Diagnosis
All autoimmune conditions	M35.8	Other specified systemic involvement of connective tissue	ICD-10-CM	Diagnosis
All autoimmune conditions	M36.0	Dermato(poly)myositis in neoplastic disease	ICD-10-CM	Diagnosis
All autoimmune conditions	M36.8	Systemic disorders of connective tissue in other diseases classified elsewhere	ICD-10-CM	Diagnosis
All endometriosis	617.0	Endometriosis of uterus	ICD-9-CM	Diagnosis
All endometriosis	617.1	Endometriosis of ovary	ICD-9-CM	Diagnosis
All endometriosis	617.2	Endometriosis of fallopian tube	ICD-9-CM	Diagnosis
All endometriosis	617.3	Endometriosis of pelvic peritoneum	ICD-9-CM	Diagnosis
All endometriosis	617.4	Endometriosis of rectovaginal septum and vagina	ICD-9-CM	Diagnosis
All endometriosis	617.5	Endometriosis of intestine	ICD-9-CM	Diagnosis
All endometriosis	617.6	Endometriosis in scar of skin	ICD-9-CM	Diagnosis
All endometriosis	617.8	Endometriosis of other specified sites	ICD-9-CM	Diagnosis
All endometriosis	617.9	Endometriosis, site unspecified	ICD-9-CM	Diagnosis
All endometriosis	N80.0	Endometriosis of uterus	ICD-10-CM	Diagnosis
All endometriosis	N80.1	Endometriosis of ovary	ICD-10-CM	Diagnosis
All endometriosis	N80.2	Endometriosis of fallopian tube	ICD-10-CM	Diagnosis
All endometriosis	N80.3	Endometriosis of pelvic peritoneum	ICD-10-CM	Diagnosis
All endometriosis	N80.4	Endometriosis of rectovaginal septum and vagina	ICD-10-CM	Diagnosis
All endometriosis	N80.5	Endometriosis of intestine	ICD-10-CM	Diagnosis
All endometriosis	N80.6	Endometriosis in cutaneous scar	ICD-10-CM	Diagnosis
All endometriosis	N80.8	Other endometriosis	ICD-10-CM	Diagnosis
All endometriosis	N80.9	Endometriosis, unspecified	ICD-10-CM	Diagnosis
All hypertension	401.0	Essential hypertension, malignant	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All hypertension	401.1	Essential hypertension, benign	ICD-9-CM	Diagnosis
All hypertension	401.9	Unspecified essential hypertension	ICD-9-CM	Diagnosis
All hypertension	402.0	Malignant hypertensive heart disease	ICD-9-CM	Diagnosis
All hypertension	402.00	Malignant hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
All hypertension	402.01	Malignant hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
All hypertension	402.1	Benign hypertensive heart disease	ICD-9-CM	Diagnosis
All hypertension	402.10	Benign hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
All hypertension	402.11	Benign hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
All hypertension	402.9	Unspecified hypertensive heart disease	ICD-9-CM	Diagnosis
All hypertension	402.90	Unspecified hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
All hypertension	402.91	Hypertensive heart disease, unspecified, with heart failure	ICD-9-CM	Diagnosis
All hypertension	403.0	Hypertensive chronic kidney disease, malignant	ICD-9-CM	Diagnosis
All hypertension	403.00	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
All hypertension	403.01	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
All hypertension	403.1	Hypertensive chronic kidney disease, benign	ICD-9-CM	Diagnosis
All hypertension	403.10	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
All hypertension	403.11	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
All hypertension	403.9	Hypertensive chronic kidney disease, unspecified	ICD-9-CM	Diagnosis
All hypertension	403.90	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
All hypertension	403.91	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
All hypertension	404.0	Hypertensive heart and chronic kidney disease, malignant	ICD-9-CM	Diagnosis
All hypertension	404.00	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
All hypertension	404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
All hypertension	404.02	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
All hypertension	404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
All hypertension	404.1	Hypertensive heart and chronic kidney disease, benign	ICD-9-CM	Diagnosis
All hypertension	404.10	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
All hypertension	404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
All hypertension	404.12	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
All hypertension	404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
All hypertension	404.9	Hypertensive heart and chronic kidney disease, unspecified	ICD-9-CM	Diagnosis
All hypertension	404.90	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
All hypertension	404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
All hypertension	404.92	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
All hypertension	404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
All hypertension	405.0	Secondary hypertension, malignant	ICD-9-CM	Diagnosis
All hypertension	405.01	Secondary renovascular hypertension, malignant	ICD-9-CM	Diagnosis
All hypertension	405.09	Other secondary hypertension, malignant	ICD-9-CM	Diagnosis
All hypertension	405.1	Secondary hypertension, benign	ICD-9-CM	Diagnosis
All hypertension	405.11	Secondary renovascular hypertension, benign	ICD-9-CM	Diagnosis
All hypertension	405.19	Other secondary hypertension, benign	ICD-9-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
All hypertension	405.9	Unspecified secondary hypertension, unspecified	ICD-9-CM	Diagnosis
All hypertension	405.91	Secondary renovascular hypertension, unspecified	ICD-9-CM	Diagnosis
All hypertension	405.99	Other secondary hypertension, unspecified	ICD-9-CM	Diagnosis
All hypertension	437.2	Hypertensive encephalopathy	ICD-9-CM	Diagnosis
All hypertension	I10	Essential (primary) hypertension	ICD-10-CM	Diagnosis
All hypertension	I11.0	Hypertensive heart disease with heart failure	ICD-10-CM	Diagnosis
All hypertension	I11.9	Hypertensive heart disease without heart failure	ICD-10-CM	Diagnosis
All hypertension	I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	ICD-10-CM	Diagnosis
All hypertension	I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
All hypertension	I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
All hypertension	I13.10	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
All hypertension	I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
All hypertension	I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
All hypertension	I15.0	Renovascular hypertension	ICD-10-CM	Diagnosis
All hypertension	I15.1	Hypertension secondary to other renal disorders	ICD-10-CM	Diagnosis
All hypertension	I15.2	Hypertension secondary to endocrine disorders	ICD-10-CM	Diagnosis
All hypertension	I15.8	Other secondary hypertension	ICD-10-CM	Diagnosis
All hypertension	I15.9	Secondary hypertension, unspecified	ICD-10-CM	Diagnosis
All hypertension	I16.0	Hypertensive urgency	ICD-10-CM	Diagnosis
All hypertension	I16.1	Hypertensive emergency	ICD-10-CM	Diagnosis
All hypertension	I16.9	Hypertensive crisis, unspecified	ICD-10-CM	Diagnosis
All hypertension	I67.4	Hypertensive encephalopathy	ICD-10-CM	Diagnosis
All hypertension	N26.2	Page kidney	ICD-10-CM	Diagnosis
Allergic Urticaria and Other Urticaria	708.0	Allergic urticaria	ICD-9-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
Allergic Urticaria and Other Urticaria	708.1	Idiopathic urticaria	ICD-9-CM	Diagnosis
Allergic Urticaria and Other Urticaria	708.2	Urticaria due to cold and heat	ICD-9-CM	Diagnosis
Allergic Urticaria and Other Urticaria	708.3	Dermatographic urticaria	ICD-9-CM	Diagnosis
Allergic Urticaria and Other Urticaria	708.4	Vibratory urticaria	ICD-9-CM	Diagnosis
Allergic Urticaria and Other Urticaria	708.5	Cholinergic urticaria	ICD-9-CM	Diagnosis
Allergic Urticaria and Other Urticaria	708.8	Other specified urticaria	ICD-9-CM	Diagnosis
Allergic Urticaria and Other Urticaria	708.9	Unspecified urticaria	ICD-9-CM	Diagnosis
Allergic Urticaria and Other Urticaria	L50.0	Allergic urticaria	ICD-10-CM	Diagnosis
Allergic Urticaria and Other Urticaria	L50.1	Idiopathic urticaria	ICD-10-CM	Diagnosis
Allergic Urticaria and Other Urticaria	L50.2	Urticaria due to cold and heat	ICD-10-CM	Diagnosis
Allergic Urticaria and Other Urticaria	L50.3	Dermatographic urticaria	ICD-10-CM	Diagnosis
Allergic Urticaria and Other Urticaria	L50.4	Vibratory urticaria	ICD-10-CM	Diagnosis
Allergic Urticaria and Other Urticaria	L50.5	Cholinergic urticaria	ICD-10-CM	Diagnosis
Allergic Urticaria and Other Urticaria	L50.6	Contact urticaria	ICD-10-CM	Diagnosis
Allergic Urticaria and Other Urticaria	L50.8	Other urticaria	ICD-10-CM	Diagnosis
Allergic Urticaria and Other Urticaria	L50.9	Urticaria, unspecified	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	691.8	Other atopic dermatitis and related conditions	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.0	Contact dermatitis and other eczema due to detergents	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.1	Contact dermatitis and other eczema due to oils and greases	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.2	Contact dermatitis and other eczema due to solvents	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.3	Contact dermatitis and other eczema due to drugs and medicines in contact with skin	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.6	Contact dermatitis and other eczema due to plants (except food)	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.70	Unspecified dermatitis due to sun	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.74	Other chronic dermatitis due to solar radiation	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.79	Other dermatitis due to solar radiation	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.81	Dermatitis due to cosmetics	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.82	Dermatitis due to other radiation	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.83	Dermatitis due to metals	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.84	Contact dermatitis and other eczema due to animal (cat) (dog) dander	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	692.89	Contact dermatitis and other eczema due to other specified agent	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Atopic Dermatitis and Dermatitis/Eczema	692.9	Contact dermatitis and other eczema, due to unspecified cause	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	693.9	Dermatitis due to unspecified substance taken internally	ICD-9-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L20.0	Besnier's prurigo	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L20.81	Atopic neurodermatitis	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L20.82	Flexural eczema	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L20.84	Intrinsic (allergic) eczema	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L20.89	Other atopic dermatitis	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L20.9	Atopic dermatitis, unspecified	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L23.0	Allergic contact dermatitis due to metals	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L23.2	Allergic contact dermatitis due to cosmetics	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L23.3	Allergic contact dermatitis due to drugs in contact with skin	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L23.4	Allergic contact dermatitis due to dyes	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L23.7	Allergic contact dermatitis due to plants, except food	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L23.81	Allergic contact dermatitis due to animal (cat) (dog) dander	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L23.89	Allergic contact dermatitis due to other agents	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L23.9	Allergic contact dermatitis, unspecified cause	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L24.0	Irritant contact dermatitis due to detergents	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L24.1	Irritant contact dermatitis due to oils and greases	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L24.2	Irritant contact dermatitis due to solvents	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L24.3	Irritant contact dermatitis due to cosmetics	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L24.4	Irritant contact dermatitis due to drugs in contact with skin	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L24.7	Irritant contact dermatitis due to plants, except food	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L24.81	Irritant contact dermatitis due to metals	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L24.89	Irritant contact dermatitis due to other agents	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L24.9	Irritant contact dermatitis, unspecified cause	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L25.0	Unspecified contact dermatitis due to cosmetics	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L25.1	Unspecified contact dermatitis due to drugs in contact with skin	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L25.2	Unspecified contact dermatitis due to dyes	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L25.5	Unspecified contact dermatitis due to plants, except food	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L25.8	Unspecified contact dermatitis due to other agents	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Atopic Dermatitis and Dermatitis/Eczema	L25.9	Unspecified contact dermatitis, unspecified cause	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L27.9	Dermatitis due to unspecified substance taken internally	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L30.0	Nummular dermatitis	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L30.2	Cutaneous autosensitization	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L30.8	Other specified dermatitis	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L30.9	Dermatitis, unspecified	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L56.4	Polymorphous light eruption	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L56.8	Other specified acute skin changes due to ultraviolet radiation	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L56.9	Acute skin change due to ultraviolet radiation, unspecified	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L57.8	Other skin changes due to chronic exposure to nonionizing radiation	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L57.9	Skin changes due to chronic exposure to nonionizing radiation, unspecified	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L58.0	Acute radiodermatitis	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L58.1	Chronic radiodermatitis	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L58.9	Radiodermatitis, unspecified	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L59.0	Erythema ab igne [dermatitis ab igne]	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L59.8	Other specified disorders of the skin and subcutaneous tissue related to radiation	ICD-10-CM	Diagnosis
Atopic Dermatitis and Dermatitis/Eczema	L59.9	Disorder of the skin and subcutaneous tissue related to radiation, unspecified	ICD-10-CM	Diagnosis
Benign essential hypertension	401.1	Essential hypertension, benign	ICD-9-CM	Diagnosis
Benign essential hypertension	I10	Essential (primary) hypertension	ICD-10-CM	Diagnosis
Chlamydia Trachomatis Infection of Peritoneum	099.56	Chlamydia trachomatis infection of peritoneum	ICD-9-CM	Diagnosis
Chlamydia Trachomatis Infection of Peritoneum	A56.8	Sexually transmitted chlamydial infection of other sites	ICD-10-CM	Diagnosis
Endometriosis (unspecified)	617.9	Endometriosis, site unspecified	ICD-9-CM	Diagnosis
Endometriosis (unspecified)	N80.9	Endometriosis, unspecified	ICD-10-CM	Diagnosis
Endometriosis of gynecological organs	617.1	Endometriosis of ovary	ICD-9-CM	Diagnosis
Endometriosis of gynecological organs	617.2	Endometriosis of fallopian tube	ICD-9-CM	Diagnosis
Endometriosis of gynecological organs	617.3	Endometriosis of pelvic peritoneum	ICD-9-CM	Diagnosis
Endometriosis of gynecological organs	617.4	Endometriosis of rectovaginal septum and vagina	ICD-9-CM	Diagnosis
Endometriosis of gynecological organs	N80.1	Endometriosis of ovary	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Endometriosis of gynecological organs	N80.2	Endometriosis of fallopian tube	ICD-10-CM	Diagnosis
Endometriosis of gynecological organs	N80.3	Endometriosis of pelvic peritoneum	ICD-10-CM	Diagnosis
Endometriosis of gynecological organs	N80.4	Endometriosis of rectovaginal septum and vagina	ICD-10-CM	Diagnosis
Endometriosis of non-gynecological organs	617.5	Endometriosis of intestine	ICD-9-CM	Diagnosis
Endometriosis of non-gynecological organs	617.6	Endometriosis in scar of skin	ICD-9-CM	Diagnosis
Endometriosis of non-gynecological organs	617.8	Endometriosis of other specified sites	ICD-9-CM	Diagnosis
Endometriosis of non-gynecological organs	N80.5	Endometriosis of intestine	ICD-10-CM	Diagnosis
Endometriosis of non-gynecological organs	N80.6	Endometriosis in cutaneous scar	ICD-10-CM	Diagnosis
Endometriosis of non-gynecological organs	N80.8	Other endometriosis	ICD-10-CM	Diagnosis
Endometriosis of the uterus	617.0	Endometriosis of uterus	ICD-9-CM	Diagnosis
Endometriosis of the uterus	N80.0	Endometriosis of uterus	ICD-10-CM	Diagnosis
Gonococcal Genitourinary Infections	098.10	Gonococcal infection (acute) of upper genitourinary tract, site unspecified	ICD-9-CM	Diagnosis
Gonococcal Genitourinary Infections	098.16	Gonococcal endometritis (acute)	ICD-9-CM	Diagnosis
Gonococcal Genitourinary Infections	098.17	Gonococcal salpingitis, specified as acute	ICD-9-CM	Diagnosis
Gonococcal Genitourinary Infections	098.19	Other gonococcal infections (acute) of upper genitourinary tract	ICD-9-CM	Diagnosis
Gonococcal Genitourinary Infections	098.30	Chronic gonococcal infection of upper genitourinary tract, site unspecified	ICD-9-CM	Diagnosis
Gonococcal Genitourinary Infections	098.36	Gonococcal endometritis, chronic	ICD-9-CM	Diagnosis
Gonococcal Genitourinary Infections	098.37	Gonococcal salpingitis (chronic)	ICD-9-CM	Diagnosis
Gonococcal Genitourinary Infections	098.39	Other chronic gonococcal infections of upper genitourinary tract	ICD-9-CM	Diagnosis
Gonococcal Genitourinary Infections	098.86	Gonococcal peritonitis	ICD-9-CM	Diagnosis
Gonococcal Genitourinary Infections	A54.21	Gonococcal infection of kidney and ureter	ICD-10-CM	Diagnosis
Gonococcal Genitourinary Infections	A54.24	Gonococcal female pelvic inflammatory disease	ICD-10-CM	Diagnosis
Gonococcal Genitourinary Infections	A54.29	Other gonococcal genitourinary infections	ICD-10-CM	Diagnosis
Gonococcal Genitourinary Infections	A54.85	Gonococcal peritonitis	ICD-10-CM	Diagnosis
Lupus	710.0	Systemic lupus erythematosus	ICD-9-CM	Diagnosis
Lupus	710.1	Systemic sclerosis	ICD-9-CM	Diagnosis
Lupus	710.2	Sicca syndrome	ICD-9-CM	Diagnosis
Lupus	710.3	Dermatomyositis	ICD-9-CM	Diagnosis
Lupus	710.4	Polymyositis	ICD-9-CM	Diagnosis
Lupus	710.8	Other specified diffuse disease of connective tissue	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Lupus	710.9	Unspecified diffuse connective tissue disease	ICD-9-CM	Diagnosis
Lupus	M04.2	Cryopyrin-associated periodic syndromes	ICD-10-CM	Diagnosis
Lupus	M04.8	Other autoinflammatory syndromes	ICD-10-CM	Diagnosis
Lupus	M04.9	Autoinflammatory syndrome, unspecified	ICD-10-CM	Diagnosis
Lupus	M32.0	Drug-induced systemic lupus erythematosus	ICD-10-CM	Diagnosis
Lupus	M32.10	Systemic lupus erythematosus, organ or system involvement unspecified	ICD-10-CM	Diagnosis
Lupus	M32.11	Endocarditis in systemic lupus erythematosus	ICD-10-CM	Diagnosis
Lupus	M32.12	Pericarditis in systemic lupus erythematosus	ICD-10-CM	Diagnosis
Lupus	M32.13	Lung involvement in systemic lupus erythematosus	ICD-10-CM	Diagnosis
Lupus	M32.14	Glomerular disease in systemic lupus erythematosus	ICD-10-CM	Diagnosis
Lupus	M32.15	Tubulo-interstitial nephropathy in systemic lupus erythematosus	ICD-10-CM	Diagnosis
Lupus	M32.19	Other organ or system involvement in systemic lupus erythematosus	ICD-10-CM	Diagnosis
Lupus	M32.8	Other forms of systemic lupus erythematosus	ICD-10-CM	Diagnosis
Lupus	M32.9	Systemic lupus erythematosus, unspecified	ICD-10-CM	Diagnosis
Lupus	M33.00	Juvenile dermatomyositis, organ involvement unspecified	ICD-10-CM	Diagnosis
Lupus	M33.01	Juvenile dermatomyositis with respiratory involvement	ICD-10-CM	Diagnosis
Lupus	M33.02	Juvenile dermatomyositis with myopathy	ICD-10-CM	Diagnosis
Lupus	M33.03	Juvenile dermatomyositis without myopathy	ICD-10-CM	Diagnosis
Lupus	M33.09	Juvenile dermatomyositis with other organ involvement	ICD-10-CM	Diagnosis
Lupus	M33.10	Other dermatomyositis, organ involvement unspecified	ICD-10-CM	Diagnosis
Lupus	M33.11	Other dermatomyositis with respiratory involvement	ICD-10-CM	Diagnosis
Lupus	M33.12	Other dermatomyositis with myopathy	ICD-10-CM	Diagnosis
Lupus	M33.13	Other dermatomyositis without myopathy	ICD-10-CM	Diagnosis
Lupus	M33.19	Other dermatomyositis with other organ involvement	ICD-10-CM	Diagnosis
Lupus	M33.20	Polymyositis, organ involvement unspecified	ICD-10-CM	Diagnosis
Lupus	M33.21	Polymyositis with respiratory involvement	ICD-10-CM	Diagnosis
Lupus	M33.22	Polymyositis with myopathy	ICD-10-CM	Diagnosis
Lupus	M33.29	Polymyositis with other organ involvement	ICD-10-CM	Diagnosis
Lupus	M33.90	Dermatopolymyositis, unspecified, organ involvement unspecified	ICD-10-CM	Diagnosis
Lupus	M33.91	Dermatopolymyositis, unspecified with respiratory involvement	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Lupus	M33.92	Dermatopolymyositis, unspecified with myopathy	ICD-10-CM	Diagnosis
Lupus	M33.93	Dermatopolymyositis, unspecified without myopathy	ICD-10-CM	Diagnosis
Lupus	M33.99	Dermatopolymyositis, unspecified with other organ involvement	ICD-10-CM	Diagnosis
Lupus	M34.0	Progressive systemic sclerosis	ICD-10-CM	Diagnosis
Lupus	M34.1	CR(E)ST syndrome	ICD-10-CM	Diagnosis
Lupus	M34.2	Systemic sclerosis induced by drug and chemical	ICD-10-CM	Diagnosis
Lupus	M34.81	Systemic sclerosis with lung involvement	ICD-10-CM	Diagnosis
Lupus	M34.82	Systemic sclerosis with myopathy	ICD-10-CM	Diagnosis
Lupus	M34.83	Systemic sclerosis with polyneuropathy	ICD-10-CM	Diagnosis
Lupus	M34.89	Other systemic sclerosis	ICD-10-CM	Diagnosis
Lupus	M34.9	Systemic sclerosis, unspecified	ICD-10-CM	Diagnosis
Lupus	M35.00	Sicca syndrome, unspecified	ICD-10-CM	Diagnosis
Lupus	M35.01	Sicca syndrome with keratoconjunctivitis	ICD-10-CM	Diagnosis
Lupus	M35.02	Sicca syndrome with lung involvement	ICD-10-CM	Diagnosis
Lupus	M35.03	Sicca syndrome with myopathy	ICD-10-CM	Diagnosis
Lupus	M35.04	Sicca syndrome with tubulo-interstitial nephropathy	ICD-10-CM	Diagnosis
Lupus	M35.09	Sicca syndrome with other organ involvement	ICD-10-CM	Diagnosis
Lupus	M35.1	Other overlap syndromes	ICD-10-CM	Diagnosis
Lupus	M35.5	Multifocal fibrosclerosis	ICD-10-CM	Diagnosis
Lupus	M35.8	Other specified systemic involvement of connective tissue	ICD-10-CM	Diagnosis
Lupus	M35.9	Systemic involvement of connective tissue, unspecified	ICD-10-CM	Diagnosis
Lupus	M36.0	Dermato(poly)myositis in neoplastic disease	ICD-10-CM	Diagnosis
Lupus	M36.8	Systemic disorders of connective tissue in other diseases classified elsewhere	ICD-10-CM	Diagnosis
Malignant essential hypertension	401.0	Essential hypertension, malignant	ICD-9-CM	Diagnosis
Malignant essential hypertension	I10	Essential (primary) hypertension	ICD-10-CM	Diagnosis
Mechanical Complication due to Intrauterine Contraceptive Device	996.32	Mechanical complication due to intrauterine contraceptive device	ICD-9-CM	Diagnosis
Mechanical Complication due to Intrauterine Contraceptive Device	T83.31XA	Breakdown (mechanical) of intrauterine contraceptive device, initial encounter	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
Mechanical Complication due to Intrauterine Contraceptive Device	T83.32XA	Displacement of intrauterine contraceptive device, initial encounter	ICD-10-CM	Diagnosis
Mechanical Complication due to Intrauterine Contraceptive Device	T83.39XA	Other mechanical complication of intrauterine contraceptive device, initial encounter	ICD-10-CM	Diagnosis
Non-essential hypertension	402.0	Malignant hypertensive heart disease	ICD-9-CM	Diagnosis
Non-essential hypertension	402.00	Malignant hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
Non-essential hypertension	402.01	Malignant hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
Non-essential hypertension	402.1	Benign hypertensive heart disease	ICD-9-CM	Diagnosis
Non-essential hypertension	402.10	Benign hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
Non-essential hypertension	402.11	Benign hypertensive heart disease with heart failure	ICD-9-CM	Diagnosis
Non-essential hypertension	402.9	Unspecified hypertensive heart disease	ICD-9-CM	Diagnosis
Non-essential hypertension	402.90	Unspecified hypertensive heart disease without heart failure	ICD-9-CM	Diagnosis
Non-essential hypertension	402.91	Hypertensive heart disease, unspecified, with heart failure	ICD-9-CM	Diagnosis
Non-essential hypertension	403.0	Hypertensive chronic kidney disease, malignant	ICD-9-CM	Diagnosis
Non-essential hypertension	403.00	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	403.01	Hypertensive chronic kidney disease, malignant, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
Non-essential hypertension	403.1	Hypertensive chronic kidney disease, benign	ICD-9-CM	Diagnosis
Non-essential hypertension	403.10	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	403.11	Hypertensive chronic kidney disease, benign, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
Non-essential hypertension	403.9	Hypertensive chronic kidney disease, unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	403.90	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	403.91	Hypertensive chronic kidney disease, unspecified, with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
Non-essential hypertension	404.0	Hypertensive heart and chronic kidney disease, malignant	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Non-essential hypertension	404.00	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	404.01	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	404.02	Hypertensive heart and chronic kidney disease, malignant, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
Non-essential hypertension	404.03	Hypertensive heart and chronic kidney disease, malignant, with heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
Non-essential hypertension	404.1	Hypertensive heart and chronic kidney disease, benign	ICD-9-CM	Diagnosis
Non-essential hypertension	404.10	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	404.11	Hypertensive heart and chronic kidney disease, benign, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	404.12	Hypertensive heart and chronic kidney disease, benign, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
Non-essential hypertension	404.13	Hypertensive heart and chronic kidney disease, benign, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
Non-essential hypertension	404.9	Hypertensive heart and chronic kidney disease, unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	404.90	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	404.91	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and with chronic kidney disease stage I through stage IV, or unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	404.92	Hypertensive heart and chronic kidney disease, unspecified, without heart failure and with chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
Non-essential hypertension	404.93	Hypertensive heart and chronic kidney disease, unspecified, with heart failure and chronic kidney disease stage V or end stage renal disease	ICD-9-CM	Diagnosis
Non-essential hypertension	405.0	Secondary hypertension, malignant	ICD-9-CM	Diagnosis
Non-essential hypertension	405.01	Secondary renovascular hypertension, malignant	ICD-9-CM	Diagnosis
Non-essential hypertension	405.09	Other secondary hypertension, malignant	ICD-9-CM	Diagnosis
Non-essential hypertension	405.1	Secondary hypertension, benign	ICD-9-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
Non-essential hypertension	405.11	Secondary renovascular hypertension, benign	ICD-9-CM	Diagnosis
Non-essential hypertension	405.19	Other secondary hypertension, benign	ICD-9-CM	Diagnosis
Non-essential hypertension	405.9	Unspecified secondary hypertension, unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	405.91	Secondary renovascular hypertension, unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	405.99	Other secondary hypertension, unspecified	ICD-9-CM	Diagnosis
Non-essential hypertension	437.2	Hypertensive encephalopathy	ICD-9-CM	Diagnosis
Non-essential hypertension	I11.0	Hypertensive heart disease with heart failure	ICD-10-CM	Diagnosis
Non-essential hypertension	I11.9	Hypertensive heart disease without heart failure	ICD-10-CM	Diagnosis
Non-essential hypertension	I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease	ICD-10-CM	Diagnosis
Non-essential hypertension	I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
Non-essential hypertension	I13.0	Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
Non-essential hypertension	I13.10	Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease	ICD-10-CM	Diagnosis
Non-essential hypertension	I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
Non-essential hypertension	I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease	ICD-10-CM	Diagnosis
Non-essential hypertension	I15.0	Renovascular hypertension	ICD-10-CM	Diagnosis
Non-essential hypertension	I15.1	Hypertension secondary to other renal disorders	ICD-10-CM	Diagnosis
Non-essential hypertension	I15.2	Hypertension secondary to endocrine disorders	ICD-10-CM	Diagnosis
Non-essential hypertension	I15.8	Other secondary hypertension	ICD-10-CM	Diagnosis
Non-essential hypertension	I15.9	Secondary hypertension, unspecified	ICD-10-CM	Diagnosis
Non-essential hypertension	I67.4	Hypertensive encephalopathy	ICD-10-CM	Diagnosis
Non-essential hypertension	N26.2	Page kidney	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	690	Erythematousquamous dermatosis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	690.1	Seborrheic dermatitis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	690.10	Unspecified seborrheic dermatitis	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Other Allergic/Inflammatory Skin Conditions	690.11	Seborrhea capitis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	690.12	Seborrheic infantile dermatitis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	690.18	Other seborrheic dermatitis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	690.8	Other erythematous squamous dermatosis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	691.0	Diaper or napkin rash	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	692.4	Contact dermatitis and other eczema due to other chemical products	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	692.5	Contact dermatitis and other eczema due to food in contact with skin	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	692.71	Contact dermatitis and other eczema due to sunburn	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	692.72	Acute dermatitis due to solar radiation	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	692.73	Actinic reticuloid and actinic granuloma	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	692.76	Sunburn of second degree	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	692.77	Sunburn of third degree	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	693.0	Dermatitis due to drugs and medicines taken internally	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	693.1	Dermatitis due to food taken internally	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	693.8	Dermatitis due to other specified substances taken internally	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.0	Dermatitis herpetiformis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.1	Subcorneal pustular dermatosis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.2	Juvenile dermatitis herpetiformis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.3	Impetigo herpetiformis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.4	Pemphigus	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.5	Pemphigoid	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.60	Benign mucous membrane pemphigoid without mention of ocular involvement	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.61	Benign mucous membrane pemphigoid with ocular involvement	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.8	Other specified bullous dermatosis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	694.9	Unspecified bullous dermatosis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.0	Toxic erythema	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.1	Erythema multiforme	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.10	Erythema multiforme, unspecified	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.11	Erythema multiforme minor	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.12	Erythema multiforme major	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Other Allergic/Inflammatory Skin Conditions	695.13	Stevens-Johnson syndrome	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.14	Stevens-Johnson syndrome-toxic epidermal necrolysis overlap syndrome	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.15	Toxic epidermal necrolysis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.19	Other erythema multiforme	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.2	Erythema nodosum	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.3	Rosacea	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.4	Lupus erythematosus	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.50	Exfoliation due to erythematous condition involving less than 10 percent of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.51	Exfoliation due to erythematous condition involving 10-19 percent of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.52	Exfoliation due to erythematous condition involving 20-29 percent of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.53	Exfoliation due to erythematous condition involving 30-39 percent of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.54	Exfoliation due to erythematous condition involving 40-49 percent of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.55	Exfoliation due to erythematous condition involving 50-59 percent of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.56	Exfoliation due to erythematous condition involving 60-69 percent of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.57	Exfoliation due to erythematous condition involving 70-79 percent of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.58	Exfoliation due to erythematous condition involving 80-89 percent of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.59	Exfoliation due to erythematous condition involving 90 percent or more of body surface	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.81	Ritter's disease	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.89	Other specified erythematous condition	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	695.9	Unspecified erythematous condition	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	696.0	Psoriatic arthropathy	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	696.1	Other psoriasis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	696.2	Parapsoriasis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	696.3	Pityriasis rosea	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	696.4	Pityriasis rubra pilaris	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	696.5	Other and unspecified pityriasis	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	696.8	Psoriasis related disease NEC	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	697.0	Lichen planus	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	697.1	Lichen nitidus	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	697.8	Other lichen, not elsewhere classified	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Other Allergic/Inflammatory Skin Conditions	697.9	Unspecified lichen	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	698.0	Pruritus ani	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	698.1	Pruritus of genital organs	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	698.2	Prurigo	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	698.3	Lichenification and lichen simplex chronicus	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	698.4	Dermatitis factitia (artefacta)	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	698.8	Other specified pruritic conditions	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	698.9	Unspecified pruritic disorder	ICD-9-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L00	Staphylococcal scalded skin syndrome	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L10.0	Pemphigus vulgaris	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L10.1	Pemphigus vegetans	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L10.2	Pemphigus foliaceus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L10.3	Brazilian pemphigus [fogo selvagem]	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L10.4	Pemphigus erythematosus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L10.5	Drug-induced pemphigus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L10.81	Paraneoplastic pemphigus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L10.89	Other pemphigus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L10.9	Pemphigus, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L12.0	Bullous pemphigoid	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L12.1	Cicatricial pemphigoid	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L12.2	Chronic bullous disease of childhood	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L12.30	Acquired epidermolysis bullosa, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L12.31	Epidermolysis bullosa due to drug	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L12.35	Other acquired epidermolysis bullosa	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L12.8	Other pemphigoid	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L12.9	Pemphigoid, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L13.0	Dermatitis herpetiformis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L13.1	Subcorneal pustular dermatitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L13.8	Other specified bullous disorders	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L13.9	Bullous disorder, unspecified	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Other Allergic/Inflammatory Skin Conditions	L14	Bullous disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L20.83	Infantile (acute) (chronic) eczema	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L21.0	Seborrhea capitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L21.1	Seborrheic infantile dermatitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L21.8	Other seborrheic dermatitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L21.9	Seborrheic dermatitis, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L22	Diaper dermatitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L23.1	Allergic contact dermatitis due to adhesives	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L23.5	Allergic contact dermatitis due to other chemical products	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L23.6	Allergic contact dermatitis due to food in contact with the skin	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L24.5	Irritant contact dermatitis due to other chemical products	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L24.6	Irritant contact dermatitis due to food in contact with skin	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L25.3	Unspecified contact dermatitis due to other chemical products	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L25.4	Unspecified contact dermatitis due to food in contact with skin	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L26	Exfoliative dermatitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L27.0	Generalized skin eruption due to drugs and medicaments taken internally	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L27.1	Localized skin eruption due to drugs and medicaments taken internally	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L27.2	Dermatitis due to ingested food	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L27.8	Dermatitis due to other substances taken internally	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L28.0	Lichen simplex chronicus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L28.1	Prurigo nodularis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L28.2	Other prurigo	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L29.0	Pruritus ani	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L29.1	Pruritus scroti	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L29.2	Pruritus vulvae	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L29.3	Anogenital pruritus, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L29.8	Other pruritus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L29.9	Pruritus, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L30.3	Infective dermatitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L30.4	Erythema intertrigo	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Other Allergic/Inflammatory Skin Conditions	L30.5	Pityriasis alba	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.0	Psoriasis vulgaris	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.1	Generalized pustular psoriasis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.2	Acrodermatitis continua	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.3	Pustulosis palmaris et plantaris	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.4	Guttate psoriasis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.50	Arthropathic psoriasis, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.51	Distal interphalangeal psoriatic arthropathy	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.52	Psoriatic arthritis mutilans	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.53	Psoriatic spondylitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.54	Psoriatic juvenile arthropathy	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.59	Other psoriatic arthropathy	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.8	Other psoriasis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L40.9	Psoriasis, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L41.0	Pityriasis lichenoides et varioliformis acuta	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L41.1	Pityriasis lichenoides chronica	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L41.3	Small plaque parapsoriasis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L41.4	Large plaque parapsoriasis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L41.5	Retiform parapsoriasis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L41.8	Other parapsoriasis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L41.9	Parapsoriasis, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L42	Pityriasis rosea	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L43.0	Hypertrophic lichen planus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L43.1	Bullous lichen planus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L43.2	Lichenoid drug reaction	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L43.3	Subacute (active) lichen planus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L43.8	Other lichen planus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L43.9	Lichen planus, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L44.0	Pityriasis rubra pilaris	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L44.1	Lichen nitidus	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Other Allergic/Inflammatory Skin Conditions	L44.2	Lichen striatus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L44.3	Lichen ruber moniliformis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L44.8	Other specified papulosquamous disorders	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L44.9	Papulosquamous disorder, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L45	Papulosquamous disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.0	Exfoliation due to erythematous condition involving less than 10 percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.1	Exfoliation due to erythematous condition involving 10-19 percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.2	Exfoliation due to erythematous condition involving 20-29 percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.3	Exfoliation due to erythematous condition involving 30-39 percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.4	Exfoliation due to erythematous condition involving 40-49 percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.5	Exfoliation due to erythematous condition involving 50-59 percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.6	Exfoliation due to erythematous condition involving 60-69 percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.7	Exfoliation due to erythematous condition involving 70-79 percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.8	Exfoliation due to erythematous condition involving 80-89 percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L49.9	Exfoliation due to erythematous condition involving 90 or more percent of body surface	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L51.0	Nonbullous erythema multiforme	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L51.1	Stevens-Johnson syndrome	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L51.2	Toxic epidermal necrolysis [Lyell]	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L51.3	Stevens-Johnson syndrome-toxic epidermal necrolysis overlap syndrome	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L51.8	Other erythema multiforme	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L51.9	Erythema multiforme, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L52	Erythema nodosum	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L53.0	Toxic erythema	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L53.1	Erythema annulare centrifugum	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L53.2	Erythema marginatum	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L53.3	Other chronic figurate erythema	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L53.8	Other specified erythematous conditions	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L53.9	Erythematous condition, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L54	Erythema in diseases classified elsewhere	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L55.0	Sunburn of first degree	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Other Allergic/Inflammatory Skin Conditions	L55.1	Sunburn of second degree	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L55.2	Sunburn of third degree	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L55.9	Sunburn, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L56.0	Drug phototoxic response	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L56.1	Drug photoallergic response	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L56.2	Photocontact dermatitis [berloque dermatitis]	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L56.3	Solar urticaria	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L57.1	Actinic reticuloid	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L57.5	Actinic granuloma	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L66.1	Lichen planopilaris	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L71.0	Perioral dermatitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L71.1	Rhinophyma	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L71.8	Other rosacea	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L71.9	Rosacea, unspecified	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L92.0	Granuloma annulare	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L93.0	Discoid lupus erythematosus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L93.1	Subacute cutaneous lupus erythematosus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L93.2	Other local lupus erythematosus	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L94.5	Poikiloderma vasculare atrophicans	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L95.1	Erythema elevatum diutinum	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L98.1	Factitial dermatitis	ICD-10-CM	Diagnosis
Other Allergic/Inflammatory Skin Conditions	L98.2	Febrile neutrophilic dermatosis [Sweet]	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	614.0	Acute salpingitis and oophoritis	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	614.1	Chronic salpingitis and oophoritis	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	614.2	Salpingitis and oophoritis not specified as acute, subacute, or chronic	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	614.3	Acute parametritis and pelvic cellulitis	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	614.4	Chronic or unspecified parametritis and pelvic cellulitis	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	614.5	Acute or unspecified pelvic peritonitis, female	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	614.6	Pelvic peritoneal adhesions, female (postoperative) (postinfection)	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	614.7	Other chronic pelvic peritonitis, female	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Pelvic Inflammatory Disease	614.8	Other specified inflammatory disease of female pelvic organs and tissues	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	614.9	Unspecified inflammatory disease of female pelvic organs and tissues	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	615.0	Acute inflammatory disease of uterus, except cervix	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	615.1	Chronic inflammatory disease of uterus, except cervix	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	615.9	Unspecified inflammatory disease of uterus	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.0	Cervicitis and endocervicitis	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.10	Unspecified vaginitis and vulvovaginitis	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.11	Vaginitis and vulvovaginitis in diseases classified elsewhere	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.2	Cyst of Bartholin's gland	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.3	Abscess of Bartholin's gland	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.4	Other abscess of vulva	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.50	Unspecified ulceration of vulva	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.51	Ulceration of vulva in disease classified elsewhere	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.8	Other specified inflammatory diseases of cervix, vagina, and vulva	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.81	Mucositis (ulcerative) of cervix, vagina, and vulva	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.89	Other inflammatory disease of cervix, vagina and vulva	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	616.9	Unspecified inflammatory disease of cervix, vagina, and vulva	ICD-9-CM	Diagnosis
Pelvic Inflammatory Disease	A56.02	Chlamydial vulvovaginitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	A56.11	Chlamydial female pelvic inflammatory disease	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N70.01	Acute salpingitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N70.02	Acute oophoritis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N70.03	Acute salpingitis and oophoritis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N70.11	Chronic salpingitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N70.12	Chronic oophoritis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N70.13	Chronic salpingitis and oophoritis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N70.91	Salpingitis, unspecified	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N70.92	Oophoritis, unspecified	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N70.93	Salpingitis and oophoritis, unspecified	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N71.0	Acute inflammatory disease of uterus	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N71.1	Chronic inflammatory disease of uterus	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Pelvic Inflammatory Disease	N71.9	Inflammatory disease of uterus, unspecified	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N72	Inflammatory disease of cervix uteri	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N73.0	Acute parametritis and pelvic cellulitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N73.1	Chronic parametritis and pelvic cellulitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N73.2	Unspecified parametritis and pelvic cellulitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N73.3	Female acute pelvic peritonitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N73.4	Female chronic pelvic peritonitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N73.5	Female pelvic peritonitis, unspecified	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N73.6	Female pelvic peritoneal adhesions (postinfective)	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N73.8	Other specified female pelvic inflammatory diseases	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N73.9	Female pelvic inflammatory disease, unspecified	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N74	Female pelvic inflammatory disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N75.0	Cyst of Bartholin's gland	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N75.1	Abscess of Bartholin's gland	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N75.8	Other diseases of Bartholin's gland	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N75.9	Disease of Bartholin's gland, unspecified	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N76.0	Acute vaginitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N76.1	Subacute and chronic vaginitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N76.2	Acute vulvitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N76.3	Subacute and chronic vulvitis	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N76.4	Abscess of vulva	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N76.5	Ulceration of vagina	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N76.6	Ulceration of vulva	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N76.81	Mucositis (ulcerative) of vagina and vulva	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N76.89	Other specified inflammation of vagina and vulva	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N77.0	Ulceration of vulva in diseases classified elsewhere	ICD-10-CM	Diagnosis
Pelvic Inflammatory Disease	N77.1	Vaginitis, vulvitis and vulvovaginitis in diseases classified elsewhere	ICD-10-CM	Diagnosis
Postprocedural Fever	780.62	Postprocedural fever	ICD-9-CM	Diagnosis
Postprocedural Fever	R50.82	Postprocedural fever	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	714.0	Rheumatoid arthritis	ICD-9-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	714.1	Felty's syndrome	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.2	Other rheumatoid arthritis with visceral or systemic involvement	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.3	Juvenile chronic polyarthritis	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.30	Polyarticular juvenile rheumatoid arthritis, chronic or unspecified	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.31	Polyarticular juvenile rheumatoid arthritis, acute	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.32	Pauciarticular juvenile rheumatoid arthritis	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.33	Monoarticular juvenile rheumatoid arthritis	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.4	Chronic postrheumatic arthropathy	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.8	Other specified inflammatory polyarthropathies	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.81	Rheumatoid lung	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.89	Other specified inflammatory polyarthropathies	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	714.9	Unspecified inflammatory polyarthropathy	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	720.0	Ankylosing spondylitis	ICD-9-CM	Diagnosis
Rheumatoid Arthritis	M05.00	Felty's syndrome, unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.011	Felty's syndrome, right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.012	Felty's syndrome, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.019	Felty's syndrome, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.021	Felty's syndrome, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.022	Felty's syndrome, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.029	Felty's syndrome, unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.031	Felty's syndrome, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.032	Felty's syndrome, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.039	Felty's syndrome, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.041	Felty's syndrome, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.042	Felty's syndrome, left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.049	Felty's syndrome, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.051	Felty's syndrome, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.052	Felty's syndrome, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.059	Felty's syndrome, unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.061	Felty's syndrome, right knee	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M05.062	Felty's syndrome, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.069	Felty's syndrome, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.071	Felty's syndrome, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.072	Felty's syndrome, left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.079	Felty's syndrome, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.09	Felty's syndrome, multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.10	Rheumatoid lung disease with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.111	Rheumatoid lung disease with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.112	Rheumatoid lung disease with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.119	Rheumatoid lung disease with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.121	Rheumatoid lung disease with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.122	Rheumatoid lung disease with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.129	Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.131	Rheumatoid lung disease with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.132	Rheumatoid lung disease with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.139	Rheumatoid lung disease with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.141	Rheumatoid lung disease with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.142	Rheumatoid lung disease with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.149	Rheumatoid lung disease with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.151	Rheumatoid lung disease with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.152	Rheumatoid lung disease with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.159	Rheumatoid lung disease with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.161	Rheumatoid lung disease with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.162	Rheumatoid lung disease with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.169	Rheumatoid lung disease with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.171	Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.172	Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.179	Rheumatoid lung disease with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.19	Rheumatoid lung disease with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.20	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M05.211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.229	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.241	Rheumatoid vasculitis with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.242	Rheumatoid vasculitis with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.251	Rheumatoid vasculitis with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.252	Rheumatoid vasculitis with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.261	Rheumatoid vasculitis with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.262	Rheumatoid vasculitis with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.29	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.30	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.321	Rheumatoid heart disease with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.322	Rheumatoid heart disease with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.331	Rheumatoid heart disease with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M05.332	Rheumatoid heart disease with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.341	Rheumatoid heart disease with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.342	Rheumatoid heart disease with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.351	Rheumatoid heart disease with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.352	Rheumatoid heart disease with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.361	Rheumatoid heart disease with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.362	Rheumatoid heart disease with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.39	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.40	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.421	Rheumatoid myopathy with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.422	Rheumatoid myopathy with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.431	Rheumatoid myopathy with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.432	Rheumatoid myopathy with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.441	Rheumatoid myopathy with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.442	Rheumatoid myopathy with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.451	Rheumatoid myopathy with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.452	Rheumatoid myopathy with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M05.459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.461	Rheumatoid myopathy with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.462	Rheumatoid myopathy with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.49	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.50	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M05.59	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.60	Rheumatoid arthritis of unspecified site with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.621	Rheumatoid arthritis of right elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.622	Rheumatoid arthritis of left elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.631	Rheumatoid arthritis of right wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.632	Rheumatoid arthritis of left wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.641	Rheumatoid arthritis of right hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.642	Rheumatoid arthritis of left hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.651	Rheumatoid arthritis of right hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.652	Rheumatoid arthritis of left hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.659	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.661	Rheumatoid arthritis of right knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.662	Rheumatoid arthritis of left knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M05.679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.69	Rheumatoid arthritis of multiple sites with involvement of other organs and systems	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.70	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M05.751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.79	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.80	Other rheumatoid arthritis with rheumatoid factor of unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.811	Other rheumatoid arthritis with rheumatoid factor of right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.812	Other rheumatoid arthritis with rheumatoid factor of left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.821	Other rheumatoid arthritis with rheumatoid factor of right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.822	Other rheumatoid arthritis with rheumatoid factor of left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.831	Other rheumatoid arthritis with rheumatoid factor of right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.832	Other rheumatoid arthritis with rheumatoid factor of left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M05.841	Other rheumatoid arthritis with rheumatoid factor of right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.842	Other rheumatoid arthritis with rheumatoid factor of left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.851	Other rheumatoid arthritis with rheumatoid factor of right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.852	Other rheumatoid arthritis with rheumatoid factor of left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.861	Other rheumatoid arthritis with rheumatoid factor of right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.862	Other rheumatoid arthritis with rheumatoid factor of left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.89	Other rheumatoid arthritis with rheumatoid factor of multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M05.9	Rheumatoid arthritis with rheumatoid factor, unspecified	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.00	Rheumatoid arthritis without rheumatoid factor, unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.011	Rheumatoid arthritis without rheumatoid factor, right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.012	Rheumatoid arthritis without rheumatoid factor, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.019	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.021	Rheumatoid arthritis without rheumatoid factor, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.022	Rheumatoid arthritis without rheumatoid factor, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.029	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.031	Rheumatoid arthritis without rheumatoid factor, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.032	Rheumatoid arthritis without rheumatoid factor, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.039	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.041	Rheumatoid arthritis without rheumatoid factor, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.042	Rheumatoid arthritis without rheumatoid factor, left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.049	Rheumatoid arthritis without rheumatoid factor, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.051	Rheumatoid arthritis without rheumatoid factor, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.052	Rheumatoid arthritis without rheumatoid factor, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.059	Rheumatoid arthritis without rheumatoid factor, unspecified hip	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M06.061	Rheumatoid arthritis without rheumatoid factor, right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.062	Rheumatoid arthritis without rheumatoid factor, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.069	Rheumatoid arthritis without rheumatoid factor, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.071	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.072	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.079	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.08	Rheumatoid arthritis without rheumatoid factor, vertebrae	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.09	Rheumatoid arthritis without rheumatoid factor, multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.1	Adult-onset Still's disease	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.20	Rheumatoid bursitis, unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.211	Rheumatoid bursitis, right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.212	Rheumatoid bursitis, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.219	Rheumatoid bursitis, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.221	Rheumatoid bursitis, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.222	Rheumatoid bursitis, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.229	Rheumatoid bursitis, unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.231	Rheumatoid bursitis, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.232	Rheumatoid bursitis, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.239	Rheumatoid bursitis, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.241	Rheumatoid bursitis, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.242	Rheumatoid bursitis, left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.249	Rheumatoid bursitis, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.251	Rheumatoid bursitis, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.252	Rheumatoid bursitis, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.259	Rheumatoid bursitis, unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.261	Rheumatoid bursitis, right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.262	Rheumatoid bursitis, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.269	Rheumatoid bursitis, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.271	Rheumatoid bursitis, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.272	Rheumatoid bursitis, left ankle and foot	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M06.279	Rheumatoid bursitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.28	Rheumatoid bursitis, vertebrae	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.29	Rheumatoid bursitis, multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.30	Rheumatoid nodule, unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.311	Rheumatoid nodule, right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.312	Rheumatoid nodule, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.319	Rheumatoid nodule, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.321	Rheumatoid nodule, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.322	Rheumatoid nodule, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.329	Rheumatoid nodule, unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.331	Rheumatoid nodule, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.332	Rheumatoid nodule, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.339	Rheumatoid nodule, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.341	Rheumatoid nodule, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.342	Rheumatoid nodule, left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.349	Rheumatoid nodule, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.351	Rheumatoid nodule, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.352	Rheumatoid nodule, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.359	Rheumatoid nodule, unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.361	Rheumatoid nodule, right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.362	Rheumatoid nodule, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.369	Rheumatoid nodule, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.371	Rheumatoid nodule, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.372	Rheumatoid nodule, left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.379	Rheumatoid nodule, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.38	Rheumatoid nodule, vertebrae	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.39	Rheumatoid nodule, multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.4	Inflammatory polyarthropathy	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.80	Other specified rheumatoid arthritis, unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.811	Other specified rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M06.812	Other specified rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.819	Other specified rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.821	Other specified rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.822	Other specified rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.829	Other specified rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.831	Other specified rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.832	Other specified rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.839	Other specified rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.841	Other specified rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.842	Other specified rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.849	Other specified rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.851	Other specified rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.852	Other specified rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.859	Other specified rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.861	Other specified rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.862	Other specified rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.869	Other specified rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.871	Other specified rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.872	Other specified rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.879	Other specified rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.88	Other specified rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.89	Other specified rheumatoid arthritis, multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M06.9	Rheumatoid arthritis, unspecified	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.00	Unspecified juvenile rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.011	Unspecified juvenile rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.012	Unspecified juvenile rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.019	Unspecified juvenile rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.021	Unspecified juvenile rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.022	Unspecified juvenile rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.029	Unspecified juvenile rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M08.031	Unspecified juvenile rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.032	Unspecified juvenile rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.039	Unspecified juvenile rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.041	Unspecified juvenile rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.042	Unspecified juvenile rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.049	Unspecified juvenile rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.051	Unspecified juvenile rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.052	Unspecified juvenile rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.059	Unspecified juvenile rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.061	Unspecified juvenile rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.062	Unspecified juvenile rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.069	Unspecified juvenile rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.071	Unspecified juvenile rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.072	Unspecified juvenile rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.079	Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.08	Unspecified juvenile rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.09	Unspecified juvenile rheumatoid arthritis, multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.1	Juvenile ankylosing spondylitis	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.20	Juvenile rheumatoid arthritis with systemic onset, unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.211	Juvenile rheumatoid arthritis with systemic onset, right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.212	Juvenile rheumatoid arthritis with systemic onset, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.219	Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.221	Juvenile rheumatoid arthritis with systemic onset, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.222	Juvenile rheumatoid arthritis with systemic onset, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.229	Juvenile rheumatoid arthritis with systemic onset, unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.231	Juvenile rheumatoid arthritis with systemic onset, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.232	Juvenile rheumatoid arthritis with systemic onset, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.239	Juvenile rheumatoid arthritis with systemic onset, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.241	Juvenile rheumatoid arthritis with systemic onset, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.242	Juvenile rheumatoid arthritis with systemic onset, left hand	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M08.249	Juvenile rheumatoid arthritis with systemic onset, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.251	Juvenile rheumatoid arthritis with systemic onset, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.252	Juvenile rheumatoid arthritis with systemic onset, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.259	Juvenile rheumatoid arthritis with systemic onset, unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.261	Juvenile rheumatoid arthritis with systemic onset, right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.262	Juvenile rheumatoid arthritis with systemic onset, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.269	Juvenile rheumatoid arthritis with systemic onset, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.279	Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.28	Juvenile rheumatoid arthritis with systemic onset, vertebrae	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.29	Juvenile rheumatoid arthritis with systemic onset, multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.3	Juvenile rheumatoid polyarthritis (seronegative)	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.40	Pauciarticular juvenile rheumatoid arthritis, unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.411	Pauciarticular juvenile rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.412	Pauciarticular juvenile rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.419	Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.421	Pauciarticular juvenile rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.422	Pauciarticular juvenile rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.429	Pauciarticular juvenile rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.431	Pauciarticular juvenile rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.432	Pauciarticular juvenile rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.439	Pauciarticular juvenile rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.441	Pauciarticular juvenile rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.442	Pauciarticular juvenile rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.449	Pauciarticular juvenile rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.451	Pauciarticular juvenile rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.452	Pauciarticular juvenile rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.459	Pauciarticular juvenile rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.461	Pauciarticular juvenile rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M08.462	Pauciarticular juvenile rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.469	Pauciarticular juvenile rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.471	Pauciarticular juvenile rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.472	Pauciarticular juvenile rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.479	Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.48	Pauciarticular juvenile rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.80	Other juvenile arthritis, unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.811	Other juvenile arthritis, right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.812	Other juvenile arthritis, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.819	Other juvenile arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.821	Other juvenile arthritis, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.822	Other juvenile arthritis, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.829	Other juvenile arthritis, unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.831	Other juvenile arthritis, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.832	Other juvenile arthritis, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.839	Other juvenile arthritis, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.841	Other juvenile arthritis, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.842	Other juvenile arthritis, left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.849	Other juvenile arthritis, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.851	Other juvenile arthritis, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.852	Other juvenile arthritis, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.859	Other juvenile arthritis, unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.861	Other juvenile arthritis, right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.862	Other juvenile arthritis, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.869	Other juvenile arthritis, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.871	Other juvenile arthritis, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.872	Other juvenile arthritis, left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.879	Other juvenile arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.88	Other juvenile arthritis, other specified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.89	Other juvenile arthritis, multiple sites	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M08.90	Juvenile arthritis, unspecified, unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.911	Juvenile arthritis, unspecified, right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.912	Juvenile arthritis, unspecified, left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.919	Juvenile arthritis, unspecified, unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.921	Juvenile arthritis, unspecified, right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.922	Juvenile arthritis, unspecified, left elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.929	Juvenile arthritis, unspecified, unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.931	Juvenile arthritis, unspecified, right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.932	Juvenile arthritis, unspecified, left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.939	Juvenile arthritis, unspecified, unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.941	Juvenile arthritis, unspecified, right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.942	Juvenile arthritis, unspecified, left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.949	Juvenile arthritis, unspecified, unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.951	Juvenile arthritis, unspecified, right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.952	Juvenile arthritis, unspecified, left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.959	Juvenile arthritis, unspecified, unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.961	Juvenile arthritis, unspecified, right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.962	Juvenile arthritis, unspecified, left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.969	Juvenile arthritis, unspecified, unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.971	Juvenile arthritis, unspecified, right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.972	Juvenile arthritis, unspecified, left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.979	Juvenile arthritis, unspecified, unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.98	Juvenile arthritis, unspecified, vertebrae	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M08.99	Juvenile arthritis, unspecified, multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.00	Chronic postrheumatic arthropathy [Jaccoud], unspecified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.011	Chronic postrheumatic arthropathy [Jaccoud], right shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.012	Chronic postrheumatic arthropathy [Jaccoud], left shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.019	Chronic postrheumatic arthropathy [Jaccoud], unspecified shoulder	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.021	Chronic postrheumatic arthropathy [Jaccoud], right elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.022	Chronic postrheumatic arthropathy [Jaccoud], left elbow	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M12.029	Chronic postrheumatic arthropathy [Jaccoud], unspecified elbow	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.031	Chronic postrheumatic arthropathy [Jaccoud], right wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.032	Chronic postrheumatic arthropathy [Jaccoud], left wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.039	Chronic postrheumatic arthropathy [Jaccoud], unspecified wrist	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.041	Chronic postrheumatic arthropathy [Jaccoud], right hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.042	Chronic postrheumatic arthropathy [Jaccoud], left hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.049	Chronic postrheumatic arthropathy [Jaccoud], unspecified hand	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.051	Chronic postrheumatic arthropathy [Jaccoud], right hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.052	Chronic postrheumatic arthropathy [Jaccoud], left hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.059	Chronic postrheumatic arthropathy [Jaccoud], unspecified hip	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.061	Chronic postrheumatic arthropathy [Jaccoud], right knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.062	Chronic postrheumatic arthropathy [Jaccoud], left knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.069	Chronic postrheumatic arthropathy [Jaccoud], unspecified knee	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.071	Chronic postrheumatic arthropathy [Jaccoud], right ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.072	Chronic postrheumatic arthropathy [Jaccoud], left ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.079	Chronic postrheumatic arthropathy [Jaccoud], unspecified ankle and foot	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.08	Chronic postrheumatic arthropathy [Jaccoud], other specified site	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M12.09	Chronic postrheumatic arthropathy [Jaccoud], multiple sites	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.0	Ankylosing spondylitis of multiple sites in spine	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.1	Ankylosing spondylitis of occipito-atlanto-axial region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.2	Ankylosing spondylitis of cervical region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.3	Ankylosing spondylitis of cervicothoracic region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.4	Ankylosing spondylitis of thoracic region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.5	Ankylosing spondylitis of thoracolumbar region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.6	Ankylosing spondylitis lumbar region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.7	Ankylosing spondylitis of lumbosacral region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.8	Ankylosing spondylitis sacral and sacrococcygeal region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M45.9	Ankylosing spondylitis of unspecified sites in spine	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M48.8X1	Other specified spondylopathies, occipito-atlanto-axial region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M48.8X2	Other specified spondylopathies, cervical region	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Rheumatoid Arthritis	M48.8X3	Other specified spondylopathies, cervicothoracic region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M48.8X4	Other specified spondylopathies, thoracic region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M48.8X5	Other specified spondylopathies, thoracolumbar region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M48.8X6	Other specified spondylopathies, lumbar region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M48.8X7	Other specified spondylopathies, lumbosacral region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M48.8X8	Other specified spondylopathies, sacral and sacrococcygeal region	ICD-10-CM	Diagnosis
Rheumatoid Arthritis	M48.8X9	Other specified spondylopathies, site unspecified	ICD-10-CM	Diagnosis
Unspecified essential hypertension	401.9	Unspecified essential hypertension	ICD-10-CM	Diagnosis
Unspecified essential hypertension	I10	Essential (primary) hypertension	ICD-10-CM	Diagnosis
Unspecified essential hypertension	I16.0	Hypertensive urgency	ICD-10-CM	Diagnosis
Unspecified essential hypertension	I16.1	Hypertensive emergency	ICD-10-CM	Diagnosis
Unspecified essential hypertension	I16.9	Hypertensive crisis, unspecified	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	867.4	Uterus injury without mention of open wound into cavity	ICD-9-CM	Diagnosis
Uterine Perforation or Device Migration	996.3	Mechanical complication of genitourinary device, implant, and graft	ICD-9-CM	Diagnosis
Uterine Perforation or Device Migration	996.30	Mechanical complication of unspecified genitourinary device, implant, and graft	ICD-9-CM	Diagnosis
Uterine Perforation or Device Migration	996.39	Mechanical complication of genitourinary device, implant, and graft, other	ICD-9-CM	Diagnosis
Uterine Perforation or Device Migration	996.60	Infection and inflammatory reaction due to unspecified device, implant, and graft	ICD-9-CM	Diagnosis
Uterine Perforation or Device Migration	996.65	Infection and inflammatory reaction due to other genitourinary device, implant, and graft	ICD-9-CM	Diagnosis
Uterine Perforation or Device Migration	996.70	Other complications due to unspecified device, implant, and graft	ICD-9-CM	Diagnosis
Uterine Perforation or Device Migration	996.76	Other complications due to genitourinary device, implant, and graft	ICD-9-CM	Diagnosis
Uterine Perforation or Device Migration	S37.60XA	Unspecified injury of uterus, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	S37.62XA	Contusion of uterus, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	S37.63XA	Laceration of uterus, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	S37.69XA	Other injury of uterus, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.010A	Breakdown (mechanical) of cystostomy catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.012A	Breakdown (mechanical) of nephrostomy catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.018A	Breakdown (mechanical) of other urinary catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.020A	Displacement of cystostomy catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.022A	Displacement of nephrostomy catheter, initial encounter	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Uterine Perforation or Device Migration	T83.028A	Displacement of other urinary catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.030A	Leakage of cystostomy catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.032A	Leakage of nephrostomy catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.038A	Leakage of other urinary catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.090A	Other mechanical complication of cystostomy catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.092A	Other mechanical complication of nephrostomy catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.098A	Other mechanical complication of other urinary catheter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.110A	Breakdown (mechanical) of urinary electronic stimulator device, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.111A	Breakdown (mechanical) of implanted urinary sphincter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.112A	Breakdown (mechanical) of indwelling ureteral stent, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.113A	Breakdown (mechanical) of other urinary stents, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.118A	Breakdown (mechanical) of other urinary devices and implants, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.120A	Displacement of urinary electronic stimulator device, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.121A	Displacement of implanted urinary sphincter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.122A	Displacement of indwelling ureteral stent, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.123A	Displacement of other urinary stents, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.128A	Displacement of other urinary devices and implants, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.190A	Other mechanical complication of urinary electronic stimulator device, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.191A	Other mechanical complication of implanted urinary sphincter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.192A	Other mechanical complication of indwelling ureteral stent, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.193A	Other mechanical complication of other urinary stent, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.198A	Other mechanical complication of other urinary devices and implants, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.21XA	Breakdown (mechanical) of graft of urinary organ, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.22XA	Displacement of graft of urinary organ, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.23XA	Leakage of graft of urinary organ, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.24XA	Erosion of graft of urinary organ, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.25XA	Exposure of graft of urinary organ, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.29XA	Other mechanical complication of graft of urinary organ, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.410A	Breakdown (mechanical) of implanted penile prosthesis, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.411A	Breakdown (mechanical) of implanted testicular prosthesis, initial encounter	ICD-10-CM	Diagnosis

Appendix D. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Baseline Characteristics in this Request

Baseline Characteristic Category	Code	Description	Code Category	Code Type
Uterine Perforation or Device Migration	T83.418A	Breakdown (mechanical) of other prosthetic devices, implants and grafts of genital tract, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.420A	Displacement of implanted penile prosthesis, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.421A	Displacement of implanted testicular prosthesis, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.428A	Displacement of other prosthetic devices, implants and grafts of genital tract, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.490A	Other mechanical complication of implanted penile prosthesis, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.491A	Other mechanical complication of implanted testicular prosthesis, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.498A	Other mechanical complication of other prosthetic devices, implants and grafts of genital tract, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.590A	Infection and inflammatory reaction due to implanted urinary neurostimulation device, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.591A	Infection and inflammatory reaction due to implanted urinary sphincter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.592A	Infection and inflammatory reaction due to indwelling ureteral stent, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.593A	Infection and inflammatory reaction due to other urinary stents, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.598A	Infection and inflammatory reaction due to other prosthetic device, implant and graft in urinary system, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.61XA	Infection and inflammatory reaction due to implanted penile prosthesis, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.62XA	Infection and inflammatory reaction due to implanted testicular prosthesis, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.69XA	Infection and inflammatory reaction due to other prosthetic device, implant and graft in genital tract, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.712A	Erosion of implanted urethral mesh to surrounding organ or tissue, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.713A	Erosion of implanted urethral bulking agent to surrounding organ or tissue, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.714A	Erosion of implanted ureteral bulking agent to surrounding organ or tissue, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.718A	Erosion of other implanted mesh to organ or tissue, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.719A	Erosion of other prosthetic materials to surrounding organ or tissue, initial encounter	ICD-10-CM	Diagnosis

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Baseline Characteristic Category	Code	Description	Code Category	Code Type
Uterine Perforation or Device Migration	T83.722A	Exposure of implanted urethral mesh into urethra, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.723A	Exposure of implanted urethral bulking agent into urethra, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.724A	Exposure of implanted ureteral bulking agent into ureter, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.728A	Exposure of other implanted mesh into organ or tissue, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.729A	Exposure of other prosthetic materials into organ or tissue, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.79XA	Other specified complications due to other genitourinary prosthetic materials, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.81XA	Embolism due to genitourinary prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.82XA	Fibrosis due to genitourinary prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.83XA	Hemorrhage due to genitourinary prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.84XA	Pain due to genitourinary prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.85XA	Stenosis due to genitourinary prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.86XA	Thrombosis due to genitourinary prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.89XA	Other specified complication of genitourinary prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T83.9XXA	Unspecified complication of genitourinary prosthetic device, implant and graft, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T85.79XA	Infection and inflammatory reaction due to other internal prosthetic devices, implants and grafts, initial encounter	ICD-10-CM	Diagnosis
Uterine Perforation or Device Migration	T85.9XXA	Unspecified complication of internal prosthetic device, implant and graft, initial encounter	ICD-10-CM	Diagnosis

Appendix E. Specifications Defining Parameters for this Request

This request executed Cohort Identification and Descriptive Analysis (CIDA) tool, version 7.3.3, to estimate insertions and removals of intrauterine systems (IUS) and potential adverse health outcomes that may initiate different manifestations of device-related foreign body response in the Sentinel Distributed Database (SDD).

Query Period: January 1, 2008 - April 30, 2019
Coverage Requirement: Medical and Drug Coverage
Pre-Index Enrollment Requirement: 90 days
Post-Index Enrollment Requirement: 90 days
Enrollment Gap: 45 days
Sex: Female Only
Age Groups: 15-19, 20-29, 30-39, 40-61 years
Stratification: Race
Distribution of Index-Defining Codes: Yes

Scenario Group Name	Index Event					Baseline Characteristics	Corresponding Table Shell
	Index Exposure/Event	Cohort Definition	Washout	Race Restriction	Censor Criteria		
1 copper_insert	Copper-releasing IUS insertion	Include all valid episodes during query period	None	All races, overall population	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2a
2 copper_insert_0	Copper-releasing IUS insertion	Include all valid episodes during query period	None	Unknown	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2a
3 copper_insert_1	Copper-releasing IUS insertion	Include all valid episodes during query period	None	American Indian or Alaska Native	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2a
4 copper_insert_2	Copper-releasing IUS insertion	Include all valid episodes during query period	None	Asian	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2a
5 copper_insert_3	Copper-releasing IUS insertion	Include all valid episodes during query period	None	Black or African American	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2a
6 copper_insert_4	Copper-releasing IUS insertion	Include all valid episodes during query period	None	Native Hawaiian or Other Pacific Islander	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2a

Appendix E. Specifications Defining Parameters for this Request

Scenario Group Name	Index Event						Baseline Characteristics	Corresponding Table Shell
	Index Exposure/Event	Cohort Definition	Washout	Race Restriction	Censor Criteria			
7	copper_insert_5	Copper-releasing IUS insertion	Include all valid episodes during query period	None	White	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2a
8	hormone_insert	Hormone-releasing IUS insertion	Include all valid episodes during query period	None	All races, overall population	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2b
9	hormone_insert_0	Hormone-releasing IUS insertion	Include all valid episodes during query period	None	Unknown	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2b
10	hormone_insert_1	Hormone-releasing IUS insertion	Include all valid episodes during query period	None	American Indian or Alaska Native	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2b
11	hormone_insert_2	Hormone-releasing IUS insertion	Include all valid episodes during query period	None	Asian	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2b
12	hormone_insert_3	Hormone-releasing IUS insertion	Include all valid episodes during query period	None	Black or African American	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2b
13	hormone_insert_4	Hormone-releasing IUS insertion	Include all valid episodes during query period	None	Native Hawaiian or Other Pacific Islander	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2b
14	hormone_insert_5	Hormone-releasing IUS insertion	Include all valid episodes during query period	None	White	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2b
15	ius_insert	Any IUS insertion	Include all valid episodes during query period	None	All races, overall population	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2c
16	ius_insert_0	Any IUS insertion	Include all valid episodes during query period	None	Unknown	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2c

Appendix E. Specifications Defining Parameters for this Request

Scenario Group Name	Index Event						Baseline Characteristics	Corresponding Table Shell
	Index Exposure/Event	Cohort Definition	Washout	Race Restriction	Censor Criteria			
17	ius_insert_1	Any IUS insertion	Include all valid episodes during query period	None	American Indian or Alaska Native	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2c
18	ius_insert_2	Any IUS insertion	Include all valid episodes during query period	None	Asian	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2c
19	ius_insert_3	Any IUS insertion	Include all valid episodes during query period	None	Black or African American	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2c
20	ius_insert_4	Any IUS insertion	Include all valid episodes during query period	None	Native Hawaiian or Other Pacific Islander	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2c
21	ius_insert_5	Any IUS insertion	Include all valid episodes during query period	None	White	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.1	Table 2c
22	ius_remove	Any IUS removal	Include all valid episodes during query period	None	All races, overall population	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.2	Table 2d
23	ius_remove_0	Any IUS removal	Include all valid episodes during query period	None	Unknown	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.2	Table 2d
24	ius_remove_1	Any IUS removal	Include all valid episodes during query period	None	American Indian or Alaska Native	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.2	Table 2d
25	ius_remove_2	Any IUS removal	Include all valid episodes during query period	None	Asian	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.2	Table 2d
26	ius_remove_3	Any IUS removal	Include all valid episodes during query period	None	Black or African American	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.2	Table 2d

Appendix E. Specifications Defining Parameters for this Request

Scenario Group Name	Index Event						Baseline Characteristics	Corresponding Table Shell
	Index Exposure/Event	Cohort Definition	Washout	Race Restriction	Censor Criteria			
27	ius_remove_4	Any IUS removal	Include all valid episodes during query period	None	Native Hawaiian or Other Pacific Islander	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.2	Table 2d
28	ius_remove_5	Any IUS removal	Include all valid episodes during query period	None	White	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.2	Table 2d
29	oral_contra	Any oral contraceptive (OC) dispensing	Include all valid episodes during query period	None	All races, overall population	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.3	Table 2e
30	oral_contra_0	Any oral contraceptive (OC) dispensing	Include all valid episodes during query period	None	Unknown	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.3	Table 2e
31	oral_contra_1	Any oral contraceptive (OC) dispensing	Include all valid episodes during query period	None	American Indian or Alaska Native	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.3	Table 2e
32	oral_contra_2	Any oral contraceptive (OC) dispensing	Include all valid episodes during query period	None	Asian	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.3	Table 2e
33	oral_contra_3	Any oral contraceptive (OC) dispensing	Include all valid episodes during query period	None	Black or African American	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.3	Table 2e
34	oral_contra_4	Any oral contraceptive (OC) dispensing	Include all valid episodes during query period	None	Native Hawaiian or Other Pacific Islander	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.3	Table 2e
35	oral_contra_5	Any oral contraceptive (OC) dispensing	Include all valid episodes during query period	None	White	Death; Data Partner End Date; Query End Date; Disenrollment	see Appendix F.3	Table 2e
36	all_ius_oc	Any IUS insertion, IUS removal, or OC dispensing	Include all valid episodes during query period	None	All races, overall population	Death; Data Partner End Date; Query End Date; Disenrollment	N/A	Table 2f

Appendix E. Specifications Defining Parameters for this Request

Scenario Group Name	Index Event						Baseline Characteristics	Corresponding Table Shell
	Index Exposure/Event	Cohort Definition	Washout	Race Restriction	Censor Criteria			
37	all_ius_oc_0	Any IUS insertion, IUS removal, or OC dispensing	Include all valid episodes during query period	None	American Indian or Alaska Native	Death; Data Partner End Date; Query End Date; Disenrollment	N/A	Table 2f
38	all_ius_oc_1	Any IUS insertion, IUS removal, or OC dispensing	Include all valid episodes during query period	None	American Indian or Alaska Native	Death; Data Partner End Date; Query End Date; Disenrollment	N/A	Table 2f
39	all_ius_oc_2	Any IUS insertion, IUS removal, or OC dispensing	Include all valid episodes during query period	None	Asian	Death; Data Partner End Date; Query End Date; Disenrollment	N/A	Table 2f
40	all_ius_oc_3	Any IUS insertion, IUS removal, or OC dispensing	Include all valid episodes during query period	None	Black or African American	Death; Data Partner End Date; Query End Date; Disenrollment	N/A	Table 2f
41	all_ius_oc_4	Any IUS insertion, IUS removal, or OC dispensing	Include all valid episodes during query period	None	Native Hawaiian or Other Pacific Islander	Death; Data Partner End Date; Query End Date; Disenrollment	N/A	Table 2f
42	all_ius_oc_5	Any IUS insertion, IUS removal, or OC dispensing	Include all valid episodes during query period	None	White	Death; Data Partner End Date; Query End Date; Disenrollment	N/A	Table 2f

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4) codes are provided by Optum360. National Drug Codes (NDC) codes are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."

Appendix F.1. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Insertion Cohorts in this Request

IUS Insertion Scenarios (see Table 2a, Table 2b, and Table 2c)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
IUS Removal	Any care setting	-90	-1	1
Malignant Essential Hypertension	Any care setting	-90	-1	1
Benign Essential Hypertension	Any care setting	-90	-1	1
Unspecified Essential Hypertension	Any care setting	-90	-1	1
Non-Essential Hypertension	Any care setting	-90	-1	1
All Hypertension	Any care setting	-90	-1	1
Endometriosis of the Uterus	Any care setting	-90	-1	1
Endometriosis of Gynecological Organs	Any care setting	-90	-1	1
Endometriosis of Non-Gynecological Organs	Any care setting	-90	-1	1
Endometriosis (Unspecified)	Any care setting	-90	-1	1
All Endometriosis	Any care setting	-90	-1	1
All Autoimmune Conditions	Any care setting	-90	-1	1
Rheumatoid Arthritis	Any care setting	-90	-1	1
Lupus	Any care setting	-90	-1	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	-90	-1	1
Allergic Urticaria and Other Urticaria	Any care setting	-90	-1	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	-90	-1	1

Appendix F.1. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Insertion Cohorts in this Request

IUS Insertion Scenarios (see Table 2a, Table 2b, and Table 2c)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Pelvic Inflammatory Disease (PID)	Any care setting	-90	-1	1
Postprocedural Fever	Any care setting	-90	-1	1
Gonococcal Genitourinary Infections	Any care setting	-90	-1	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	-90	-1	1
Uterine Perforation or Device Migration	Any care setting	-90	-1	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	-90	-1	1
IUS Removal	Any care setting	0	0	1
Malignant Essential Hypertension	Any care setting	0	0	1
Benign Essential Hypertension	Any care setting	0	0	1
Unspecified Essential Hypertension	Any care setting	0	0	1
Non-Essential Hypertension	Any care setting	0	0	1
All Hypertension	Any care setting	0	0	1
Endometriosis of the Uterus	Any care setting	0	0	1
Endometriosis of Gynecological Organs	Any care setting	0	0	1
Endometriosis of Non-Gynecological Organs	Any care setting	0	0	1
Endometriosis (Unspecified)	Any care setting	0	0	1
All Endometriosis	Any care setting	0	0	1

Appendix F.1. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Insertion Cohorts in this Request

IUS Insertion Scenarios (see Table 2a, Table 2b, and Table 2c)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
All Autoimmune Conditions	Any care setting	0	0	1
Rheumatoid Arthritis	Any care setting	0	0	1
Lupus	Any care setting	0	0	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	0	0	1
Allergic Urticaria and Other Urticaria	Any care setting	0	0	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	0	0	1
Pelvic Inflammatory Disease (PID)	Any care setting	0	0	1
Postprocedural Fever	Any care setting	0	0	1
Gonococcal Genitourinary Infections	Any care setting	0	0	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	0	0	1
Uterine Perforation or Device Migration	Any care setting	0	0	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	0	0	1
IUS Removal	Any care setting	1	90	1
Malignant Essential Hypertension	Any care setting	1	90	1
Benign Essential Hypertension	Any care setting	1	90	1
Unspecified Essential Hypertension	Any care setting	1	90	1
Non-Essential Hypertension	Any care setting	1	90	1

Appendix F.1. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Insertion Cohorts in this Request

IUS Insertion Scenarios (see Table 2a, Table 2b, and Table 2c)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
All Hypertension	Any care setting	1	90	1
Endometriosis of the Uterus	Any care setting	1	90	1
Endometriosis of Gynecological Organs	Any care setting	1	90	1
Endometriosis of Non-Gynecological Organs	Any care setting	1	90	1
Endometriosis (Unspecified)	Any care setting	1	90	1
All Endometriosis	Any care setting	1	90	1
All Autoimmune Conditions	Any care setting	1	90	1
Rheumatoid Arthritis	Any care setting	1	90	1
Lupus	Any care setting	1	90	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	1	90	1
Allergic Urticaria and Other Urticaria	Any care setting	1	90	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	1	90	1
Pelvic Inflammatory Disease (PID)	Any care setting	1	90	1
Postprocedural Fever	Any care setting	1	90	1
Gonococcal Genitourinary Infections	Any care setting	1	90	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	1	90	1
Uterine Perforation or Device Migration	Any care setting	1	90	1

Appendix F.1. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Insertion Cohorts in this Request

IUS Insertion Scenarios (see Table 2a, Table 2b, and Table 2c)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	1	90	1
IUS Removal	Any care setting	1	End of enrollment	1
Malignant Essential Hypertension	Any care setting	1	End of enrollment	1
Benign Essential Hypertension	Any care setting	1	End of enrollment	1
Unspecified Essential Hypertension	Any care setting	1	End of enrollment	1
Non-Essential Hypertension	Any care setting	1	End of enrollment	1
All Hypertension	Any care setting	1	End of enrollment	1
Endometriosis of the Uterus	Any care setting	1	End of enrollment	1
Endometriosis of Gynecological Organs	Any care setting	1	End of enrollment	1
Endometriosis of Non-Gynecological Organs	Any care setting	1	End of enrollment	1
Endometriosis (Unspecified)	Any care setting	1	End of enrollment	1
All Endometriosis	Any care setting	1	End of enrollment	1
All Autoimmune Conditions	Any care setting	1	End of enrollment	1
Rheumatoid Arthritis	Any care setting	1	End of enrollment	1
Lupus	Any care setting	1	End of enrollment	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	1	End of enrollment	1
Allergic Urticaria and Other Urticaria	Any care setting	1	End of enrollment	1

Appendix F.1. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Insertion Cohorts in this Request

IUS Insertion Scenarios (see Table 2a, Table 2b, and Table 2c)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Other Allergic/Inflammatory Skin Conditions	Any care setting	1	End of enrollment	1
Pelvic Inflammatory Disease (PID)	Any care setting	1	End of enrollment	1
Postprocedural Fever	Any care setting	1	End of enrollment	1
Gonococcal Genitourinary Infections	Any care setting	1	End of enrollment	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	1	End of enrollment	1
Uterine Perforation or Device Migration	Any care setting	1	End of enrollment	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	1	End of enrollment	1

Appendix F.2. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Removal Cohort in this Request

IUS Removal Scenario (see Table 2d)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Copper-Releasing IUS Insertion	Any care setting	-90	-1	1
Hormonal-Releasing IUS Insertion	Any care setting	-90	-1	1
Any IUS Insertion	Any care setting	-90	-1	1
Malignant Essential Hypertension	Any care setting	-90	-1	1
Benign Essential Hypertension	Any care setting	-90	-1	1
Unspecified Essential Hypertension	Any care setting	-90	-1	1
Non-Essential Hypertension	Any care setting	-90	-1	1
All Hypertension	Any care setting	-90	-1	1
Endometriosis of the Uterus	Any care setting	-90	-1	1
Endometriosis of Gynecological Organs	Any care setting	-90	-1	1
Endometriosis of Non-Gynecological Organs	Any care setting	-90	-1	1
Endometriosis (Unspecified)	Any care setting	-90	-1	1
All Endometriosis	Any care setting	-90	-1	1
All Autoimmune Conditions	Any care setting	-90	-1	1
Rheumatoid Arthritis	Any care setting	-90	-1	1
Lupus	Any care setting	-90	-1	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	-90	-1	1

Appendix F.2. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Removal Cohort in this Request

IUS Removal Scenario (see Table 2d)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Allergic Urticaria and Other Urticaria	Any care setting	-90	-1	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	-90	-1	1
Pelvic Inflammatory Disease (PID)	Any care setting	-90	-1	1
Postprocedural Fever	Any care setting	-90	-1	1
Gonococcal Genitourinary Infections	Any care setting	-90	-1	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	-90	-1	1
Uterine Perforation or Device Migration	Any care setting	-90	-1	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	-90	-1	1
Copper-Releasing IUS Insertion	Any care setting	0	0	1
Hormonal-Releasing IUS Insertion	Any care setting	0	0	1
Any IUS Insertion	Any care setting	0	0	1
Malignant Essential Hypertension	Any care setting	0	0	1
Benign Essential Hypertension	Any care setting	0	0	1
Unspecified Essential Hypertension	Any care setting	0	0	1
Non-Essential Hypertension	Any care setting	0	0	1
All Hypertension	Any care setting	0	0	1
Endometriosis of the Uterus	Any care setting	0	0	1

Appendix F.2. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Removal Cohort in this Request

IUS Removal Scenario (see Table 2d)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Endometriosis of Gynecological Organs	Any care setting	0	0	1
Endometriosis of Non-Gynecological Organs	Any care setting	0	0	1
Endometriosis (Unspecified)	Any care setting	0	0	1
All Endometriosis	Any care setting	0	0	1
All Autoimmune Conditions	Any care setting	0	0	1
Rheumatoid Arthritis	Any care setting	0	0	1
Lupus	Any care setting	0	0	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	0	0	1
Allergic Urticaria and Other Urticaria	Any care setting	0	0	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	0	0	1
Pelvic Inflammatory Disease (PID)	Any care setting	0	0	1
Postprocedural Fever	Any care setting	0	0	1
Gonococcal Genitourinary Infections	Any care setting	0	0	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	0	0	1
Uterine Perforation or Device Migration	Any care setting	0	0	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	0	0	1
Copper-Releasing IUS Insertion	Any care setting	1	90	1

Appendix F.2. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Removal Cohort in this Request

IUS Removal Scenario (see Table 2d)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Hormonal-Releasing IUS Insertion	Any care setting	1	90	1
Any IUS Insertion	Any care setting	1	90	1
Malignant Essential Hypertension	Any care setting	1	90	1
Benign Essential Hypertension	Any care setting	1	90	1
Unspecified Essential Hypertension	Any care setting	1	90	1
Non-Essential Hypertension	Any care setting	1	90	1
All Hypertension	Any care setting	1	90	1
Endometriosis of the Uterus	Any care setting	1	90	1
Endometriosis of Gynecological Organs	Any care setting	1	90	1
Endometriosis of Non-Gynecological Organs	Any care setting	1	90	1
Endometriosis (Unspecified)	Any care setting	1	90	1
All Endometriosis	Any care setting	1	90	1
All Autoimmune Conditions	Any care setting	1	90	1
Rheumatoid Arthritis	Any care setting	1	90	1
Lupus	Any care setting	1	90	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	1	90	1
Allergic Urticaria and Other Urticaria	Any care setting	1	90	1

Appendix F.2. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Removal Cohort in this Request

IUS Removal Scenario (see Table 2d)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Other Allergic/Inflammatory Skin Conditions	Any care setting	1	90	1
Pelvic Inflammatory Disease (PID)	Any care setting	1	90	1
Postprocedural Fever	Any care setting	1	90	1
Gonococcal Genitourinary Infections	Any care setting	1	90	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	1	90	1
Uterine Perforation or Device Migration	Any care setting	1	90	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	1	90	1
Copper-Releasing IUS Insertion	Any care setting	1	End of enrollment	1
Hormonal-Releasing IUS Insertion	Any care setting	1	End of enrollment	1
Any IUS Insertion	Any care setting	1	End of enrollment	1
Malignant Essential Hypertension	Any care setting	1	End of enrollment	1
Benign Essential Hypertension	Any care setting	1	End of enrollment	1
Unspecified Essential Hypertension	Any care setting	1	End of enrollment	1
Non-Essential Hypertension	Any care setting	1	End of enrollment	1
All Hypertension	Any care setting	1	End of enrollment	1
Endometriosis of the Uterus	Any care setting	1	End of enrollment	1
Endometriosis of Gynecological Organs	Any care setting	1	End of enrollment	1

Appendix F.2. Specifications Defining Baseline Characteristics for Intrauterine Systems (IUS) Removal Cohort in this Request

IUS Removal Scenario (see Table 2d)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Endometriosis of Non-Gynecological Organs	Any care setting	1	End of enrollment	1
Endometriosis (Unspecified)	Any care setting	1	End of enrollment	1
All Endometriosis	Any care setting	1	End of enrollment	1
All Autoimmune Conditions	Any care setting	1	End of enrollment	1
Rheumatoid Arthritis	Any care setting	1	End of enrollment	1
Lupus	Any care setting	1	End of enrollment	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	1	End of enrollment	1
Allergic Urticaria and Other Urticaria	Any care setting	1	End of enrollment	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	1	End of enrollment	1
Pelvic Inflammatory Disease (PID)	Any care setting	1	End of enrollment	1
Postprocedural Fever	Any care setting	1	End of enrollment	1
Gonococcal Genitourinary Infections	Any care setting	1	End of enrollment	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	1	End of enrollment	1
Uterine Perforation or Device Migration	Any care setting	1	End of enrollment	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	1	End of enrollment	1

Appendix F.3. Specifications Defining Baseline Characteristics for Oral Contraceptive Cohort in this Request

Oral Contraceptive Scenario (see Table 2e)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Copper-Releasing IUS Insertion	Any care setting	-90	-1	1
Hormonal-Releasing IUS Insertion	Any care setting	-90	-1	1
Any IUS Insertion	Any care setting	-90	-1	1
IUS Removal	Any care setting	-90	-1	1
Malignant Essential Hypertension	Any care setting	-90	-1	1
Benign Essential Hypertension	Any care setting	-90	-1	1
Unspecified Essential Hypertension	Any care setting	-90	-1	1
Non-Essential Hypertension	Any care setting	-90	-1	1
All Hypertension	Any care setting	-90	-1	1
Endometriosis of the Uterus	Any care setting	-90	-1	1
Endometriosis of Gynecological Organs	Any care setting	-90	-1	1
Endometriosis of Non-Gynecological Organs	Any care setting	-90	-1	1
Endometriosis (Unspecified)	Any care setting	-90	-1	1
All Endometriosis	Any care setting	-90	-1	1
All Autoimmune Conditions	Any care setting	-90	-1	1
Rheumatoid Arthritis	Any care setting	-90	-1	1
Lupus	Any care setting	-90	-1	1

Appendix F.3. Specifications Defining Baseline Characteristics for Oral Contraceptive Cohort in this Request

Oral Contraceptive Scenario (see Table 2e)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	-90	-1	1
Allergic Urticaria and Other Urticaria	Any care setting	-90	-1	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	-90	-1	1
Pelvic Inflammatory Disease (PID)	Any care setting	-90	-1	1
Postprocedural Fever	Any care setting	-90	-1	1
Gonococcal Genitourinary Infections	Any care setting	-90	-1	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	-90	-1	1
Uterine Perforation or Device Migration	Any care setting	-90	-1	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	-90	-1	1
Copper-Releasing IUS Insertion	Any care setting	0	0	1
Hormonal-Releasing IUS Insertion	Any care setting	0	0	1
Any IUS Insertion	Any care setting	0	0	1
IUS Removal	Any care setting	0	0	1
Malignant Essential Hypertension	Any care setting	0	0	1
Benign Essential Hypertension	Any care setting	0	0	1
Unspecified Essential Hypertension	Any care setting	0	0	1
Non-Essential Hypertension	Any care setting	0	0	1

Appendix F.3. Specifications Defining Baseline Characteristics for Oral Contraceptive Cohort in this Request

Oral Contraceptive Scenario (see Table 2e)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
All Hypertension	Any care setting	0	0	1
Endometriosis of the Uterus	Any care setting	0	0	1
Endometriosis of Gynecological Organs	Any care setting	0	0	1
Endometriosis of Non-Gynecological Organs	Any care setting	0	0	1
Endometriosis (Unspecified)	Any care setting	0	0	1
All Endometriosis	Any care setting	0	0	1
All Autoimmune Conditions	Any care setting	0	0	1
Rheumatoid Arthritis	Any care setting	0	0	1
Lupus	Any care setting	0	0	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	0	0	1
Allergic Urticaria and Other Urticaria	Any care setting	0	0	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	0	0	1
Pelvic Inflammatory Disease (PID)	Any care setting	0	0	1
Postprocedural Fever	Any care setting	0	0	1
Gonococcal Genitourinary Infections	Any care setting	0	0	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	0	0	1
Uterine Perforation or Device Migration	Any care setting	0	0	1

Appendix F.3. Specifications Defining Baseline Characteristics for Oral Contraceptive Cohort in this Request

Oral Contraceptive Scenario (see Table 2e)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	0	0	1
Copper-Releasing IUS Insertion	Any care setting	1	90	1
Hormonal-Releasing IUS Insertion	Any care setting	1	90	1
Any IUS Insertion	Any care setting	1	90	1
IUS Removal	Any care setting	1	90	1
Malignant Essential Hypertension	Any care setting	1	90	1
Benign Essential Hypertension	Any care setting	1	90	1
Unspecified Essential Hypertension	Any care setting	1	90	1
Non-Essential Hypertension	Any care setting	1	90	1
All Hypertension	Any care setting	1	90	1
Endometriosis of the Uterus	Any care setting	1	90	1
Endometriosis of Gynecological Organs	Any care setting	1	90	1
Endometriosis of Non-Gynecological Organs	Any care setting	1	90	1
Endometriosis (Unspecified)	Any care setting	1	90	1
All Endometriosis	Any care setting	1	90	1
All Autoimmune Conditions	Any care setting	1	90	1
Rheumatoid Arthritis	Any care setting	1	90	1

Appendix F.3. Specifications Defining Baseline Characteristics for Oral Contraceptive Cohort in this Request

Oral Contraceptive Scenario (see Table 2e)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Lupus	Any care setting	1	90	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	1	90	1
Allergic Urticaria and Other Urticaria	Any care setting	1	90	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	1	90	1
Pelvic Inflammatory Disease (PID)	Any care setting	1	90	1
Postprocedural Fever	Any care setting	1	90	1
Gonococcal Genitourinary Infections	Any care setting	1	90	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	1	90	1
Uterine Perforation or Device Migration	Any care setting	1	90	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	1	90	1
Copper-Releasing IUS Insertion	Any care setting	1	End of enrollment	1
Hormonal-Releasing IUS Insertion	Any care setting	1	End of enrollment	1
Any IUS Insertion	Any care setting	1	End of enrollment	1
IUS Removal	Any care setting	1	End of enrollment	1
Malignant Essential Hypertension	Any care setting	1	End of enrollment	1
Benign Essential Hypertension	Any care setting	1	End of enrollment	1
Unspecified Essential Hypertension	Any care setting	1	End of enrollment	1

Appendix F.3. Specifications Defining Baseline Characteristics for Oral Contraceptive Cohort in this Request

Oral Contraceptive Scenario (see Table 2e)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Non-Essential Hypertension	Any care setting	1	End of enrollment	1
All Hypertension	Any care setting	1	End of enrollment	1
Endometriosis of the Uterus	Any care setting	1	End of enrollment	1
Endometriosis of Gynecological Organs	Any care setting	1	End of enrollment	1
Endometriosis of Non-Gynecological Organs	Any care setting	1	End of enrollment	1
Endometriosis (Unspecified)	Any care setting	1	End of enrollment	1
All Endometriosis	Any care setting	1	End of enrollment	1
All Autoimmune Conditions	Any care setting	1	End of enrollment	1
Rheumatoid Arthritis	Any care setting	1	End of enrollment	1
Lupus	Any care setting	1	End of enrollment	1
Atopic Dermatitis and Dermatitis/Eczema	Any care setting	1	End of enrollment	1
Allergic Urticaria and Other Urticaria	Any care setting	1	End of enrollment	1
Other Allergic/Inflammatory Skin Conditions	Any care setting	1	End of enrollment	1
Pelvic Inflammatory Disease (PID)	Any care setting	1	End of enrollment	1
Postprocedural Fever	Any care setting	1	End of enrollment	1
Gonococcal Genitourinary Infections	Any care setting	1	End of enrollment	1
Chlamydia Trachomatis Infection of Peritoneum	Any care setting	1	End of enrollment	1

Appendix F.3. Specifications Defining Baseline Characteristics for Oral Contraceptive Cohort in this Request

Oral Contraceptive Scenario (see Table 2e)				
Baseline Characteristics	Care Setting	Evaluation Period Start (Days)	Evaluation Period End (Days)	Number of Instances the Characteristic Should be Found in Evaluation Period
Uterine Perforation or Device Migration	Any care setting	1	End of enrollment	1
Mechanical Complication due to Intrauterine Contraceptive Device	Any care setting	1	End of enrollment	1

Appendix G. Diagram Detailing Exposure Episode Cohorts and Baseline Characteristic Assessment Windows in this Request

