

## Disclaimer

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

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

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

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

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## Overview for Request: ocet\_ahr\_wp001, Report 6 of 6

**Request ID:** ocet\_ahr\_wp001\_nsdp\_v01

**Request Description:** In this report we examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among three cohorts: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI)<sup>1</sup>, pneumonia and influenza (P&I)<sup>2</sup>, and medically attended acute respiratory illness (MAARI)<sup>3</sup> in the Sentinel Distributed Database (SDD). This is report 6 of 6. Reports 1-3 identify ILI cohorts only and include data from the Centers for Medicare and Medicaid Services (CMS); the individual reports vary by study period. Reports 4-6 include ILI, P&I, and MAARI cohorts, and do not include CMS as a Data Partner; the individual reports vary by study period.

**Sentinel Routine Querying Module:** Cohort Identification and Descriptive Analysis (CIDA) module, version 6.0.0, with ad hoc programming

**Data Source:** We distributed this request to 14 Sentinel Data Partners (DP) on October 7, 2019. The study period included data from July 1, 2016 through June 30, 2017. Please see Appendix A for a list of dates of available data for each Data Partner.

**Study Design:** We identified individuals with incident diagnoses of ILI, P&I, or MAARI in the outpatient, ambulatory, or emergency department setting and evaluated the occurrence of outpatient treatment with oseltamivir, zanamivir, or peramivir within five days after diagnosis, among a cohort who were at least six months old. We then looked for eight outcomes from the day after treatment through 30 days after diagnosis. This is a modified Type 2 analysis in the Query Request Package (QRP) documentation.

**Cohorts of Interest:** We defined the cohort of interest as incident diagnoses of ILI, P&I, or MAARI using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes. All qualifying (index) diagnoses in outpatient, ambulatory, and emergency department settings for each member were included; cohort re-entry was allowed with a washout of 30 days for the event of interest. Please see Appendix B for the specific diagnosis codes used.

**Outcomes of Interest:** We defined the outcomes of interest as the following: 1) admission to hospital (i.e., inpatient encounter); 2) admission to hospital with discharge status of alive; 3) biphasic positive airway pressure (BiPAP); 4) supplemental oxygen; 5) mechanical ventilation; 6) critical or observational care; 7) extracorporeal membrane oxygenation (ECMO); and 8) death. We assessed all outcomes, with the exception of hospitalizations, in any care setting. Hospitalizations were assessed in the inpatient care setting. Death was defined using information in the death table of the Common Data Model with a confidence of "excellent", or hospitalizations with a discharge status of expired. Please see Appendix C for a list of the ICD-9-CM, ICD-10-CM, International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology, Fourth Edition (CPT-4), Healthcare Common Procedure Coding System (HCPCS), and Revenue codes used to define outcomes in this report.

**Cohort Eligibility Criteria:** We required members to be enrolled in health plans with medical and drug coverage in the 183 days prior to their index diagnosis in order to be included in the cohort; a gap in coverage of up to 45 days was allowed and treated as continuous enrollment. The following age groups were included in the cohort: 6 months-4 years, 5-17 years, 18-49 years, 50-64 years, and 65+ years. We excluded index diagnoses if there was evidence of influenza treatment with oseltamivir, zanamivir, or peramivir in the ten days prior to the index event. See Appendix D for a list of generic and brand name medical products and Appendix E for HCPCS codes to define influenza treatment.

**Follow-up Time:** We created episodes based on the status and timing of treatment with oseltamivir, zanamivir, or peramivir. We looked for treatment on the day of the index diagnosis through the following five days. Treatment status was classified as the day of diagnosis, the day after diagnosis, days 1-5 after diagnosis, and not treated. Only index diagnoses falling in these categories were followed for outcomes, with a maximum follow-up time of 30 days after the index. Follow-up began on the day following treatment, and continued until the first occurrence of any of the following: 1) disenrollment; 2) the end of the data provided by each Data Partner; 3) the end of the query period; or 4) occurrence of the outcome.

We separately report valid index diagnoses with an outcome in the following situations:

- I. Not treated prior to outcome, and outcome occurred on days 0-5;
- II. Treatment and outcome occurred on the same-day, on day 0;
- III. Treatment and outcome occurred on the same-day, on day 1;
- IV. Treatment and outcome occurred on the same-day, on days 1-5;

### Overview for Request: ocet\_ahr\_wp001, Report 6 of 6

We excluded index dates in the following situations:

V. Censoring due to disenrollment, DP data ended, or the query period occurred within five days of event index and there was no treatment nor outcome;

VI. Censoring due to disenrollment, DP data ended, or the query period occurred within five days of event index on the same day as treatment

Members from groups 1-4 above were characterized for the outcome that caused the exclusion.

**Baseline Characteristics:** We assessed the following characteristics in any care setting within the 183 days prior to and including the index date of the index diagnosis: age, year, sex, health service and drug utilization, asthma, chronic obstructive pulmonary disorder (COPD), diabetes, obesity, and influenza vaccination. We also assessed influenza vaccination on only the date of index diagnosis. We assessed influenza testing on the day of the index diagnosis in addition to seven days prior to and post the diagnosis. Pneumococcal vaccination was assessed on the day of the index diagnosis through the member's prior enrollment history. Please see Appendix F for a list of generic and brand name medical products for the vaccinations. Appendix G contains ICD-9-CM, ICD-10-CM, ICD-10-PCS, CPT-4, and HCPCS used to define the baseline characteristics.

*Baseline characteristics of index events were provided for all treatment groups and baseline characteristics of excluded groups 1-4 were provided when the excluding outcome was any hospitalization or death.*

**Please see Appendices H and I for the specifications of parameters used in the analyses for this request.**

**Please see Appendix J for a diagram detailing the design of this request.**

**Limitations:** Algorithms to define exposures, outcomes, and treatment are imperfect and may be misclassified. Therefore, data should be interpreted with this limitation in mind. Death data may be incomplete and should be interpreted with caution.

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

<sup>1</sup>Eick-Cost et al. Assessment of ICD-9-based Case Definitions for Influenza-like Illness Surveillance. *MSMR* 2015; 22(9):2-7.

<sup>2</sup>Matias et al. Estimates of hospitalization attributable to influenza and RSV in the US during 1997–2009, by age and risk status. *BMC Public Health* 2017; 17(1):271.

<sup>3</sup>Omer et al. Impact of Statins on Influenza Vaccine Effectiveness Against Medically Attended Acute Respiratory Illness. *JID* 2016; 213(8):1216-23.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

\*all terms may not be used in this report

**Table 1a. Aggregated Baseline Table for Influenza-like Illness (ILI) and those Treated Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	375,556	
Number of unique patients	373,559	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	30.6	20.1
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	34,463	9.2%
5 - 17	119,153	31.7%
18 - 49	135,936	36.2%
50 - 64	58,169	15.5%
65+	27,835	7.4%
<b>Sex</b>		
Female	198,535	53.1%
Male	175,013	46.9%
Other	11	0.0%
<b>Year</b>		
2016	43,254	11.5%
2017	332,302	88.5%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	562	0.1%
<b>Day -7 to Day 7</b>		
Influenza Testing	282,517	75.2%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	0.3	0.9
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	83,245	22.2%
Asthma	31,111	8.3%
Chronic obstructive pulmonary disease	6,737	1.8%
Health Service Utilization Intensity	23,680	6.3%
Obesity	27,572	7.3%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	80,883	21.5%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	5.7	6.7
Mean number of emergency room encounters (ED)	0.2	0.7
Mean number of inpatient hospital encounters (IP)	0	0.2
Mean number of non-acute institutional encounters (IS)	0	0.3
Mean number of other ambulatory encounters (OA)	0.8	2.8
Mean number of unique drug classes	4.6	3.5
Mean number of generics	4.8	3.8
Mean number of filled prescriptions	8.5	10.2

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1b. Aggregated Baseline Table for Influenza-like Illness (ILI) and those Treated Day after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	23,131	
Number of unique patients	23,112	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	34.7	21.2
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	2,473	10.7%
5 - 17	6,314	27.3%
18 - 49	7,048	30.5%
50 - 64	3,161	13.7%
65+	4,135	17.9%
<b>Sex</b>		
Female	12,578	54.4%
Male	10,533	45.6%
Other	1	0.0%
<b>Year</b>		
2016	3,133	13.5%
2017	19,998	86.5%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	64	0.3%
<b>Day -7 to Day 7</b>		
Influenza Testing	16,921	73.2%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	0.8	1.6
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	5,065	21.9%
Asthma	2,786	12.0%
Chronic obstructive pulmonary disease	1,435	6.2%
Health Service Utilization Intensity	2,924	12.6%
Obesity	2,415	10.4%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	7,248	31.3%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	6.7	8.6
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.1	0.4
Mean number of non-acute institutional encounters (IS)	0.1	0.6
Mean number of other ambulatory encounters (OA)	1.6	4.7
Mean number of unique drug classes	4.2	4.2
Mean number of generics	4.5	4.6
Mean number of filled prescriptions	9.8	13.2

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1c. Aggregated Baseline Table for Influenza-like Illness (ILI) and those Treated 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	32,342	
Number of unique patients	32,304	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	41	21.6
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	2,906	9.0%
5 - 17	7,400	22.9%
18 - 49	8,539	26.4%
50 - 64	4,714	14.6%
65+	8,783	27.2%
<b>Sex</b>		
Female	17,529	54.3%
Male	14,773	45.7%
Other	2	0.0%
<b>Year</b>		
2016	4,465	13.8%
2017	27,877	86.2%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	114	0.4%
<b>Day -7 to Day 7</b>		
Influenza Testing	21,783	67.4%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	1.3	2
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	8,104	25.1%
Asthma	4,407	13.6%
Chronic obstructive pulmonary disease	3,779	11.7%
Health Service Utilization Intensity	5,693	17.6%
Obesity	4,182	12.9%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	11,036	34.1%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	7.7	9.4
Mean number of emergency room encounters (ED)	0.9	1.5
Mean number of inpatient hospital encounters (IP)	0.2	0.5
Mean number of non-acute institutional encounters (IS)	0.2	1
Mean number of other ambulatory encounters (OA)	2.1	5.6
Mean number of unique drug classes	5.1	4.5
Mean number of generics	5.4	5
Mean number of filled prescriptions	12.2	15

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1d. Aggregated Baseline Table for Influenza-like Illness (ILI) and NOT Treated 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	298,965	
Number of unique patients	293,290	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	32.4	21.6
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	31,036	10.4%
5 - 17	91,328	30.5%
18 - 49	94,595	31.6%
50 - 64	44,357	14.8%
65+	37,649	12.6%
<b>Sex</b>		
Female	158,858	54.2%
Male	134,429	45.8%
Other	3	0.0%
<b>Year</b>		
2016	50,542	16.9%
2017	248,423	83.1%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	2,518	0.8%
<b>Day -7 to Day 7</b>		
Influenza Testing	184,703	61.8%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	0.6	1.5
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	62,825	21.0%
Asthma	26,360	8.8%
Chronic obstructive pulmonary disease	13,341	4.5%
Diabetes	25,875	8.7%
Obesity	24,704	8.3%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	70,256	23.5%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	6.1	7.9
Mean number of emergency room encounters (ED)	0.4	1.1
Mean number of inpatient hospital encounters (IP)	0.1	0.4
Mean number of non-acute institutional encounters (IS)	0.1	0.6
Mean number of other ambulatory encounters (OA)	1.3	4.2
Mean number of unique drug classes	3.3	3.8
Mean number of generics	3.6	4.2
Mean number of filled prescriptions	7.1	11.3

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1e. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those Treated Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	375,860	
Number of unique patients	373,878	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	30.6	20.1
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	34,331	9.1%
5 - 17	119,018	31.7%
18 - 49	136,168	36.2%
50 - 64	58,379	15.5%
65+	27,964	7.4%
<b>Sex</b>		
Female	198,711	53.1%
Male	175,156	46.8%
Other	11	0.0%
<b>Year</b>		
2016	43,463	11.6%
2017	332,397	88.4%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	566	0.2%
<b>Day -7 to Day 7</b>		
Influenza Testing	282,332	75.1%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	0.3	0.9
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	83,214	22.1%
Asthma	31,042	8.3%
Chronic obstructive pulmonary disease	6,704	1.8%
Diabetes	23,721	6.3%
Obesity	27,603	7.3%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	80,885	21.5%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	5.7	6.7
Mean number of emergency room encounters (ED)	0.2	0.7
Mean number of inpatient hospital encounters (IP)	0	0.2
Mean number of non-acute institutional encounters (IS)	0	0.3
Mean number of other ambulatory encounters (OA)	0.8	2.8
Mean number of unique drug classes	4.6	3.5
Mean number of generics	4.8	3.8
Mean number of filled prescriptions	8.5	10.2

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1f. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those Treated Day after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	23,383	
Number of unique patients	23,362	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	34.9	21.3
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	2,488	10.6%
5 - 17	6,335	27.1%
18 - 49	7,118	30.4%
50 - 64	3,224	13.8%
65+	4,218	18.0%
<b>Sex</b>		
Female	12,723	54.5%
Male	10,638	45.5%
Other	1	0.0%
<b>Year</b>		
2016	3,210	13.7%
2017	20,173	86.3%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	65	0.3%
<b>Day -7 to Day 7</b>		
Influenza Testing	17,116	73.2%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	0.8	1.6
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	5,078	21.7%
Asthma	2,829	12.1%
Chronic obstructive pulmonary disease	1,421	6.1%
Diabetes	2,999	12.8%
Obesity	2,461	10.5%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	7,336	31.4%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	6.7	8.7
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.1	0.3
Mean number of non-acute institutional encounters (IS)	0.1	0.6
Mean number of other ambulatory encounters (OA)	1.6	4.7
Mean number of unique drug classes	4.2	4.2
Mean number of generics	4.5	4.6
Mean number of filled prescriptions	9.8	13.3

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1g. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those Treated 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	33,653	
Number of unique patients	33,616	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	41.8	21.8
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	2,950	8.8%
5 - 17	7,470	22.2%
18 - 49	8,746	26.0%
50 - 64	4,969	14.8%
65+	9,518	28.3%
<b>Sex</b>		
Female	18,198	54.1%
Male	15,415	45.9%
Other	3	0.0%
<b>Year</b>		
2016	4,722	14.0%
2017	28,931	86.0%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	124	0.4%
<b>Day -7 to Day 7</b>		
Influenza Testing	22,546	67.0%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	1.3	2.1
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	8,408	25.0%
Asthma	4,619	13.7%
Chronic obstructive pulmonary disease	4,013	11.9%
Diabetes	6,067	18.0%
Obesity	4,413	13.1%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	11,619	34.5%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	7.7	9.5
Mean number of emergency room encounters (ED)	0.9	1.4
Mean number of inpatient hospital encounters (IP)	0.2	0.5
Mean number of non-acute institutional encounters (IS)	0.2	1
Mean number of other ambulatory encounters (OA)	2.1	5.5
Mean number of unique drug classes	5.1	4.5
Mean number of generics	5.5	5
Mean number of filled prescriptions	12.5	15.4

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1h. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and NOT Treated 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	1,212,501	
Number of unique patients	1,056,125	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	49.8	23.5
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	96,431	8.0%
5 - 17	182,329	15.0%
18 - 49	234,573	19.3%
50 - 64	230,172	19.0%
65+	468,996	38.7%
<b>Sex</b>		
Female	557,090	52.7%
Male	498,981	47.2%
Other	54	0.0%
<b>Year</b>		
2016	498,345	41.1%
2017	714,156	58.9%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	11,029	0.9%
<b>Day -7 to Day 7</b>		
Influenza Testing	262,322	21.6%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	2.3	2.9
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	285,619	23.6%
Asthma	174,632	14.4%
Chronic obstructive pulmonary disease	281,212	23.2%
Diabetes	261,653	21.6%
Obesity	179,859	14.8%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	434,442	35.8%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	10.8	12.6
Mean number of emergency room encounters (ED)	0.7	1.6
Mean number of inpatient hospital encounters (IP)	0.5	0.9
Mean number of non-acute institutional encounters (IS)	0.4	1.4
Mean number of other ambulatory encounters (OA)	3.7	8
Mean number of unique drug classes	6.6	5.3
Mean number of generics	7.1	5.9
Mean number of filled prescriptions	16.1	18.1

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1i. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those Treated Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	349,322	
Number of unique patients	347,711	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	31.9	20.1
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	27,561	7.9%
5 - 17	104,435	29.9%
18 - 49	132,275	37.9%
50 - 64	57,576	16.5%
65+	27,475	7.9%
<b>Sex</b>		
Female	186,264	53.6%
Male	161,437	46.4%
Other	10	0.0%
<b>Year</b>		
2016	42,201	12.1%
2017	307,121	87.9%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	628	0.2%
<b>Day -7 to Day 7</b>		
Influenza Testing	251,875	72.1%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	0.3	1
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	75,982	21.8%
Asthma	28,132	8.1%
Chronic obstructive pulmonary disease	6,520	1.9%
Diabetes	23,445	6.7%
Obesity	26,991	7.7%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	70,252	20.1%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	5.6	6.7
Mean number of emergency room encounters (ED)	0.2	0.7
Mean number of inpatient hospital encounters (IP)	0	0.2
Mean number of non-acute institutional encounters (IS)	0	0.3
Mean number of other ambulatory encounters (OA)	0.9	2.8
Mean number of unique drug classes	4.6	3.5
Mean number of generics	4.8	3.9
Mean number of filled prescriptions	8.6	10.4

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1j. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those Treated Day after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	25,983	
Number of unique patients	25,966	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	34.1	21.2
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	2,515	9.7%
5 - 17	7,475	28.8%
18 - 49	8,240	31.7%
50 - 64	3,543	13.6%
65+	4,210	16.2%
<b>Sex</b>		
Female	14,218	54.8%
Male	11,747	45.2%
Other	1	0.0%
<b>Year</b>		
2016	3,619	13.9%
2017	22,364	86.1%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	93	0.4%
<b>Day -7 to Day 7</b>		
Influenza Testing	18,480	71.1%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	0.7	1.6
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	5,695	21.9%
Asthma	2,958	11.4%
Chronic obstructive pulmonary disease	1,428	5.5%
Diabetes	3,019	11.6%
Obesity	2,600	10.0%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	7,548	29.0%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	6.6	8.6
Mean number of emergency room encounters (ED)	0.7	1.3
Mean number of inpatient hospital encounters (IP)	0.1	0.3
Mean number of non-acute institutional encounters (IS)	0.1	0.6
Mean number of other ambulatory encounters (OA)	1.5	4.6
Mean number of unique drug classes	4.1	4.1
Mean number of generics	4.4	4.5
Mean number of filled prescriptions	9.4	13.1

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1k. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those Treated 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	42,503	
Number of unique patients	42,460	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	37.7	21.7
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	3,779	8.9%
5 - 17	11,315	26.6%
18 - 49	12,144	28.6%
50 - 64	6,082	14.3%
65+	9,183	21.6%
<b>Sex</b>		
Female	23,411	55.1%
Male	19,047	44.9%
Other	2	0.0%
<b>Year</b>		
2016	6,010	14.1%
2017	36,493	85.9%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	197	0.5%
<b>Day -7 to Day 7</b>		
Influenza Testing	28,527	67.1%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	1	1.8
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	10,493	24.7%
Asthma	5,275	12.4%
Chronic obstructive pulmonary disease	3,716	8.7%
Diabetes	6,077	14.3%
Obesity	4,858	11.4%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	13,104	30.8%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	7.4	9.1
Mean number of emergency room encounters (ED)	0.7	1.4
Mean number of inpatient hospital encounters (IP)	0.1	0.5
Mean number of non-acute institutional encounters (IS)	0.1	0.9
Mean number of other ambulatory encounters (OA)	1.8	5
Mean number of unique drug classes	4.7	4.3
Mean number of generics	5.1	4.8
Mean number of filled prescriptions	11.1	14.3

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1I. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and NOT Treated 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	8,471,265	
Number of unique patients	6,869,457	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age (Years)	32	21.7
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	1,230,432	14.5%
5 - 17	2,092,983	24.7%
18 - 49	2,863,046	33.8%
50 - 64	1,270,199	15.0%
65+	1,014,605	12.0%
<b>Sex</b>		
Female	3,976,638	57.9%
Male	2,892,639	42.1%
Other	180	0.0%
<b>Year</b>		
2016	4,018,409	47.4%
2017	4,452,856	52.6%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	132,398	1.6%
<b>Day -7 to Day 7</b>		
Influenza Testing	801,912	9.5%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	0.5	1.2
	<b>Number</b>	<b>Percent</b>
Influenza vaccination	1,841,795	21.7%
Asthma	769,534	9.1%
Chronic obstructive pulmonary disease	311,110	3.7%
Diabetes	680,051	8.0%
Obesity	752,100	8.9%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	2,257,853	26.7%
<b>Health Service Utilization Intensity</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	6.5	7.7
Mean number of emergency room encounters (ED)	0.3	0.9
Mean number of inpatient hospital encounters (IP)	0	0.3
Mean number of non-acute institutional encounters (IS)	0	0.4
Mean number of other ambulatory encounters (OA)	1.2	3.7
Mean number of unique drug classes	3.9	3.8
Mean number of generics	4.1	4.2
Mean number of filled prescriptions	8.2	11.3

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1m. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Hospitalization before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	12,015	
Number of unique patients	11,984	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	68.4	17.7
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	236	2.0%
5 - 17	324	2.7%
18 - 49	1,114	9.3%
50 - 64	2,056	17.1%
65+	8,285	69.0%
<b>Sex</b>		
Female	6,311	52.7%
Male	5,672	47.3%
Other	1	0.0%
<b>Year</b>		
2016	2,190	18.2%
2017	9,825	81.8%
<b>Recorded history of:</b>		
<b>Day 0</b>		
Influenza vaccination	71	0.6%
<b>Day -7 to Day 7</b>		
Influenza Testing	2,759	23.0%
<b>Day -183 to Day 0</b>		
Prior combined comorbidity raw score	4	3.1
<b>Influenza vaccination</b>	<b>Number</b>	<b>Percent</b>
Asthma	2,250	18.7%
Chronic obstructive pulmonary disease	4,606	38.3%
Diabetes	4,783	39.8%
Obesity	2,759	23.0%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	5,296	44.1%
<b>Health Service Utilization Intensity:</b>		
	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	13.2	13.2
Mean number of emergency room encounters (ED)	1	2
Mean number of inpatient hospital encounters (IP)	1.1	1
Mean number of non-acute institutional encounters (IS)	0.6	1.9
Mean number of other ambulatory encounters (OA)	5.2	10.1
Mean number of unique drug classes	8.6	5.8
Mean number of generics	9.2	6.4
Mean number of filled prescriptions	22.8	20.7

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1n. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Death before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	289	
Number of unique patients	289	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	77.6	11.6
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	0	0.0%
5 - 17	0	0.0%
18 - 49	10	3.5%
50 - 64	31	10.7%
65+	248	85.8%
<b>Sex</b>		
Female	151	52.2%
Male	138	47.8%
Other	0	0.0%
<b>Year</b>		
2016	48	16.6%
2017	241	83.4%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	73	25.3%
<b>Day -183 to Day 0</b>		
Prior combined comorbidity raw score	5.9	3.2
<b>Day -183 to Day 0</b>	<b>Number</b>	<b>Percent</b>
Influenza vaccination		
Asthma	38	13.1%
Chronic obstructive pulmonary disease	117	40.5%
Diabetes	106	36.7%
Obesity	39	13.5%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	125	43.3%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	16.5	16.1
Mean number of emergency room encounters (ED)	1	1.4
Mean number of inpatient hospital encounters (IP)	1.3	1.1
Mean number of non-acute institutional encounters (IS)	1.2	3
Mean number of other ambulatory encounters (OA)	7.4	14.1
Mean number of unique drug classes	9	5.4
Mean number of generics	9.6	6.1
Mean number of filled prescriptions	23.2	18.6

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1o. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Same-Day Hospitalization and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	125	
Number of unique patients	125	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	59.9	19.4
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	5	4.0%
5 - 17	6	4.8%
18 - 49	20	16.0%
50 - 64	33	26.4%
65+	61	48.8%
<b>Sex</b>		
Female	60	48.0%
Male	65	52.0%
Other	0	0.0%
<b>Year</b>		
2016	19	15.2%
2017	106	84.8%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	47	37.6%
<b>Day -183 to Day 0</b>		
Prior combined comorbidity raw score	3	2.3
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	47	37.6%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	9.5	8.8
Mean number of emergency room encounters (ED)	0.8	1
Mean number of inpatient hospital encounters (IP)	1.1	0.4
Mean number of non-acute institutional encounters (IS)	0.3	0.9
Mean number of other ambulatory encounters (OA)	2.8	4.1
Mean number of unique drug classes	8.5	4.6
Mean number of generics	9	4.9
Mean number of filled prescriptions	20.4	18.6

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1p. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Same-Day Death and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	1	
Number of unique patients	1	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	45.5	0
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	0	0.0%
5 - 17	0	0.0%
18 - 49	1	100.0%
50 - 64	0	0.0%
65+	0	0.0%
<b>Sex</b>		
Female	0	0.0%
Male	1	100.0%
Other	0	0.0%
<b>Year</b>		
2016	1	100.0%
2017	0	0.0%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	0	0.0%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	1	0
<b>Influenza vaccination</b>	<b>Number</b>	<b>Percent</b>
Asthma	0	0.0%
Chronic obstructive pulmonary disease	0	0.0%
Diabetes	0	0.0%
Obesity	0	0.0%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	1	100.0%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	10	0
Mean number of emergency room encounters (ED)	2	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	3	0
Mean number of unique drug classes	6	0
Mean number of generics	6	0
Mean number of filled prescriptions	11	0

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1q. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Same-Day Hospitalization and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	103	
Number of unique patients	103	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	52.6	23.7
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	8	7.8%
5 - 17	10	9.7%
18 - 49	19	18.4%
50 - 64	27	26.2%
65+	39	37.9%
<b>Sex</b>		
Female	56	54.4%
Male	47	45.6%
Other	0	0.0%
<b>Year</b>		
2016	19	18.4%
2017	84	81.6%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	62	60.2%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	2.3	2.2
<b>Day -183 to Day 0</b>	<b>Number</b>	<b>Percent</b>
Influenza vaccination		
Asthma	22	21.4%
Chronic obstructive pulmonary disease	14	13.6%
Diabetes	26	25.2%
Obesity	20	19.4%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	26	25.2%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	13.8	19.7
Mean number of emergency room encounters (ED)	0.9	1.3
Mean number of inpatient hospital encounters (IP)	0.3	0.9
Mean number of non-acute institutional encounters (IS)	0.2	0.7
Mean number of other ambulatory encounters (OA)	5.8	16.2
Mean number of unique drug classes	7.7	5.1
Mean number of generics	8.3	5.7
Mean number of filled prescriptions	21.7	20.6

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1r. Aggregated Baseline Table for Influenza-like Illness (ILI) and those with Same-Day Death and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	1	
Number of unique patients	1	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	51.4	0
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	0	0.0%
5 - 17	0	0.0%
18 - 49	0	0.0%
50 - 64	1	100.0%
65+	0	0.0%
<b>Sex</b>		
Female	1	100.0%
Male	0	0.0%
Other	0	0.0%
<b>Year</b>		
2016	1	100.0%
2017	0	0.0%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	1	100.0%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	2	0
<b>Influenza vaccination</b>	<b>Number</b>	<b>Percent</b>
Asthma	1	100.0%
Chronic obstructive pulmonary disease	0	0.0%
Diabetes	0	0.0%
Obesity	0	0.0%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	0	0.0%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	5	0
Mean number of emergency room encounters (ED)	1	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	4	0
Mean number of unique drug classes	3	0
Mean number of generics	3	0
Mean number of filled prescriptions	5	0

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1s. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Hospitalization before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	191,968	
Number of unique patients	179,911	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	70.7	15.5
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	2,631	1.4%
5 - 17	2,064	1.1%
18 - 49	12,514	6.5%
50 - 64	35,801	18.6%
65+	138,958	72.4%
<b>Sex</b>		
Female	90,054	50.1%
Male	89,834	49.9%
Other	23	0.0%
<b>Year</b>		
2016	89,118	46.4%
2017	102,850	53.6%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	1,368	0.7%
<b>Day -7 to Day 7</b>		
Influenza Testing	15,668	8.2%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	5.3	3.5
<b>Day -183 to Day 0</b>	<b>Number</b>	<b>Percent</b>
Influenza vaccination	30,708	16.0%
Asthma	94,854	49.4%
Chronic obstructive pulmonary disease	79,674	41.5%
Diabetes	45,690	23.8%
Obesity		
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	88,078	45.9%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	16.4	15.5
Mean number of emergency room encounters (ED)	1.1	2
Mean number of inpatient hospital encounters (IP)	1.4	1.2
Mean number of non-acute institutional encounters (IS)	1	2.2
Mean number of other ambulatory encounters (OA)	6.4	10.1
Mean number of unique drug classes	9.7	6
Mean number of generics	10.4	6.7
Mean number of filled prescriptions	26.1	22.3

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1t. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Death before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	10,802	
Number of unique patients	10,802	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	77.1	11.4
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	6	0.1%
5 - 17	8	0.1%
18 - 49	208	1.9%
50 - 64	1,300	12.0%
65+	9,280	85.9%
<b>Sex</b>		
Female	5,013	46.4%
Male	5,783	53.5%
Other	6	0.1%
<b>Year</b>		
2016	5,222	48.3%
2017	5,580	51.7%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	25	0.2%
<b>Day -7 to Day 7</b>		
Influenza Testing	424	3.9%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	7.3	3.7
<b>Day -183 to Day 0</b>	<b>Number</b>	<b>Percent</b>
Influenza vaccination		
Asthma	1,003	9.3%
Chronic obstructive pulmonary disease	5,123	47.4%
Diabetes	4,683	43.4%
Obesity	1,938	17.9%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	4,923	45.6%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	21	17.9
Mean number of emergency room encounters (ED)	1.1	1.8
Mean number of inpatient hospital encounters (IP)	1.6	1.3
Mean number of non-acute institutional encounters (IS)	1.4	2.5
Mean number of other ambulatory encounters (OA)	7.6	9.6
Mean number of unique drug classes	9.5	5.9
Mean number of generics	10.2	6.5
Mean number of filled prescriptions	25.3	22.7

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1u. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Same-Day Hospitalization and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	147	
Number of unique patients	147	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	64.2	18.9
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	5	3.4%
5 - 17	3	2.0%
18 - 49	21	14.3%
50 - 64	37	25.2%
65+	81	55.1%
<b>Sex</b>		
Female	79	53.7%
Male	68	46.3%
Other	0	0.0%
<b>Year</b>		
2016	25	17.0%
2017	122	83.0%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	49	33.3%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	3.6	2.7
<b>Day -183 to Day 0</b>	<b>Number</b>	<b>Percent</b>
Influenza vaccination		
Asthma	33	22.4%
Chronic obstructive pulmonary disease	42	28.6%
Diabetes	44	29.9%
Obesity	40	27.2%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	61	41.5%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	10.7	9.8
Mean number of emergency room encounters (ED)	0.8	1
Mean number of inpatient hospital encounters (IP)	1.2	0.4
Mean number of non-acute institutional encounters (IS)	0.3	0.9
Mean number of other ambulatory encounters (OA)	3.1	4.3
Mean number of unique drug classes	9.1	4.9
Mean number of generics	9.7	5.4
Mean number of filled prescriptions	22.7	20.4

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1v. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Same-Day Death and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	1	
Number of unique patients	1	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	45.5	0
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	0	0.0%
5 - 17	0	0.0%
18 - 49	1	100.0%
50 - 64	0	0.0%
65+	0	0.0%
<b>Sex</b>		
Female	0	0.0%
Male	1	100.0%
Other	0	0.0%
<b>Year</b>		
2016	1	100.0%
2017	0	0.0%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	0	0.0%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	1	0
<b>Influenza vaccination</b>	<b>Number</b>	<b>Percent</b>
Asthma	0	0.0%
Chronic obstructive pulmonary disease	0	0.0%
Diabetes	0	0.0%
Obesity	0	0.0%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	1	0
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	10	0
Mean number of emergency room encounters (ED)	2	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	3	0
Mean number of unique drug classes	6	0
Mean number of generics	6	0
Mean number of filled prescriptions	11	0

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1w. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Same-Day Hospitalization and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	116	
Number of unique patients	116	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	52.8	24.3
Age (Years)	<b>Number</b>	<b>Percent</b>
6 Months - 4	8	6.9%
5 - 17	13	11.2%
18 - 49	22	19.0%
50 - 64	28	24.1%
65+	45	38.8%
Sex		
Female	61	52.6%
Male	55	47.4%
Other	0	0.0%
Year		
2016	24	20.7%
2017	92	79.3%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	71	61.2%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	2.3	2.4
	<b>Number</b>	<b>Percent</b>
Influenza vaccination		
Asthma	28	24.1%
Chronic obstructive pulmonary disease	17	14.7%
Diabetes	28	24.1%
Obesity	22	19.0%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	32	27.6%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	13.4	19.6
Mean number of emergency room encounters (ED)	1.1	1.9
Mean number of inpatient hospital encounters (IP)	0.3	1
Mean number of non-acute institutional encounters (IS)	0.1	0.7
Mean number of other ambulatory encounters (OA)	6.1	15.8
Mean number of unique drug classes	7.7	5.5
Mean number of generics	8.3	6.3
Mean number of filled prescriptions	22.2	26.1

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1x. Aggregated Baseline Table for Pneumonia and Influenza (P&I) and those with Same-Day Death and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	1	
Number of unique patients	1	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	51.4	0
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	0	0.0%
5 - 17	0	0.0%
18 - 49	0	0.0%
50 - 64	1	100.0%
65+	0	0.0%
<b>Sex</b>		
Female	1	100.0%
Male	0	0.0%
Other	0	0.0%
<b>Year</b>		
2016	1	100.0%
2017	0	0.0%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	1	100.0%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	2	0
<b>Influenza vaccination</b>	<b>Number</b>	<b>Percent</b>
Asthma	1	100.0%
Chronic obstructive pulmonary disease	0	0.0%
Diabetes	0	0.0%
Obesity	0	0.0%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	0	0.0%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	5	0
Mean number of emergency room encounters (ED)	1	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	4	0
Mean number of unique drug classes	3	0
Mean number of generics	3	0
Mean number of filled prescriptions	5	0

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1y. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Hospitalization before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	52,944	
Number of unique patients	52,285	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	58.4	21.3
Age (Years)	<b>Number</b>	<b>Percent</b>
6 Months - 4	3,391	6.4%
5 - 17	3,132	5.9%
18 - 49	8,772	16.6%
50 - 64	10,520	19.9%
65+	27,129	51.2%
Sex		
Female	29,389	56.2%
Male	22,894	43.8%
Other	2	0.0%
Year		
2016	21,933	41.4%
2017	31,011	58.6%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	372	0.7%
<b>Day -7 to Day 7</b>		
Influenza Testing	8,158	15.4%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	2	2.5
Influenza vaccination	<b>Number</b>	<b>Percent</b>
Asthma	10,489	19.8%
Chronic obstructive pulmonary disease	16,732	31.6%
Diabetes	17,129	32.4%
Obesity	11,754	22.2%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	21,360	40.3%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	13.6	14.1
Mean number of emergency room encounters (ED)	1.1	2.1
Mean number of inpatient hospital encounters (IP)	0.9	1.2
Mean number of non-acute institutional encounters (IS)	0.5	1.6
Mean number of other ambulatory encounters (OA)	5	10.4
Mean number of unique drug classes	8.3	5.8
Mean number of generics	8.9	6.5
Mean number of filled prescriptions	21.4	20.2

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1z. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Death before Treatment, 0-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	1,196	
Number of unique patients	1,196	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	75	13.2
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	6	0.5%
5 - 17	9	0.8%
18 - 49	37	3.1%
50 - 64	165	13.8%
65+	979	81.9%
<b>Sex</b>		
Female	608	50.8%
Male	588	49.2%
Other	0	0.0%
<b>Year</b>		
2016	421	35.2%
2017	775	64.8%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	1	0.1%
<b>Day -7 to Day 7</b>		
Influenza Testing	122	10.2%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	6.2	3.8
<b>Enrollment History to Day 0</b>	<b>Number</b>	<b>Percent</b>
Influenza vaccination	151	12.6%
Asthma	543	45.4%
Chronic obstructive pulmonary disease	472	39.5%
Diabetes	237	19.8%
Obesity		
<b>Enrollment History to Day 0</b>	551	46.1%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	19.1	17.7
Mean number of emergency room encounters (ED)	1	2.1
Mean number of inpatient hospital encounters (IP)	1.1	1.3
Mean number of non-acute institutional encounters (IS)	1.2	2.5
Mean number of other ambulatory encounters (OA)	7.6	12.4
Mean number of unique drug classes	9.7	5.8
Mean number of generics	10.4	6.4
Mean number of filled prescriptions	25.9	20.6

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1aa. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Same-Day Hospitalization and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	108	
Number of unique patients	108	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	59.4	19.1
Age (Years)	<b>Number</b>	<b>Percent</b>
6 Months - 4	4	3.7%
5 - 17	5	4.6%
18 - 49	19	17.6%
50 - 64	30	27.8%
65+	50	46.3%
Sex		
Female	52	48.1%
Male	56	51.9%
Other	0	0.0%
Year		
2016	18	16.7%
2017	90	83.3%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	46	42.6%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	3.1	2.3
Influenza vaccination	<b>Number</b>	<b>Percent</b>
Asthma	31	28.7%
Chronic obstructive pulmonary disease	20	18.5%
Diabetes	31	28.7%
Obesity	30	27.8%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	39	36.1%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	9.7	8.3
Mean number of emergency room encounters (ED)	0.8	1
Mean number of inpatient hospital encounters (IP)	1.2	0.5
Mean number of non-acute institutional encounters (IS)	0.4	1
Mean number of other ambulatory encounters (OA)	3.2	3.9
Mean number of unique drug classes	8.6	4.4
Mean number of generics	9.1	4.6
Mean number of filled prescriptions	21.3	17.9

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1ab. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Same-Day Death and Treatment, on Day of Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	1	
Number of unique patients	1	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	45.5	0
Age (Years)	<b>Number</b>	<b>Percent</b>
6 Months - 4	0	0.0%
5 - 17	0	0.0%
18 - 49	1	100.0%
50 - 64	0	0.0%
65+	0	0.0%
Sex		
Female	0	0.0%
Male	1	100.0%
Other	0	0.0%
Year		
2016	1	100.0%
2017	0	0.0%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	0	0.0%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	1	0
Influenza vaccination	<b>Number</b>	<b>Percent</b>
Asthma	0	0.0%
Chronic obstructive pulmonary disease	0	0.0%
Diabetes	0	0.0%
Obesity	0	0.0%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	1	0
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	10	0
Mean number of emergency room encounters (ED)	2	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	3	0
Mean number of unique drug classes	6	0
Mean number of generics	6	0
Mean number of filled prescriptions	11	0

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1ac. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Same-Day Hospitalization and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	101	
Number of unique patients	101	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	50.9	24.5
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	6	5.9%
5 - 17	13	12.9%
18 - 49	20	19.8%
50 - 64	28	27.7%
65+	34	33.7%
<b>Sex</b>		
Female	58	57.4%
Male	43	42.6%
Other	0	0.0%
<b>Year</b>		
2016	21	20.8%
2017	80	79.2%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	60	59.4%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	2.4	2.4
<b>Enrollment History to Day 0</b>	<b>Number</b>	<b>Percent</b>
Influenza vaccination	23	22.8%
Asthma	17	16.8%
Chronic obstructive pulmonary disease	23	22.8%
Diabetes	19	18.8%
Obesity		
<b>Enrollment History to Day 0</b>	26	25.7%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	14.6	21.1
Mean number of emergency room encounters (ED)	1	1.3
Mean number of inpatient hospital encounters (IP)	0.3	0.9
Mean number of non-acute institutional encounters (IS)	0.1	0.7
Mean number of other ambulatory encounters (OA)	6.3	16.7
Mean number of unique drug classes	7.7	5
Mean number of generics	8.2	5.6
Mean number of filled prescriptions	20.9	19.4

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 1ad. Aggregated Baseline Table for Medically Attended Acute Respiratory Infection (MAARI) and those with Same-Day Death and Treatment, 1-5 Days after Diagnosis in the Sentinel Distributed Database (SDD) between July 2016 and June 2017**

<b>Characteristic<sup>1</sup></b>	<b>Number</b>	
Number of episodes	1	
Number of unique patients	1	
<b>Demographics</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean Age	51.4	0
<b>Age (Years)</b>	<b>Number</b>	<b>Percent</b>
6 Months - 4	0	0.0%
5 - 17	0	0.0%
18 - 49	0	0.0%
50 - 64	1	100.0%
65+	0	0.0%
<b>Sex</b>		
Female	1	100.0%
Male	0	0.0%
Other	0	0.0%
<b>Year</b>		
2016	1	100.0%
2017	0	0.0%
<b>Recorded history of:</b>	<b>Number</b>	<b>Percent</b>
<b>Day 0</b>		
Influenza vaccination	0	0.0%
<b>Day -7 to Day 7</b>		
Influenza Testing	1	100.0%
<b>Day -183 to Day 0</b>	<b>Mean</b>	<b>Standard Deviation</b>
Prior combined comorbidity raw score	2	0
<b>Influenza vaccination</b>	<b>Number</b>	<b>Percent</b>
Asthma	1	100.0%
Chronic obstructive pulmonary disease	0	0.0%
Diabetes	0	0.0%
Obesity	0	0.0%
<b>Enrollment History to Day 0</b>		
Pneumococcal vaccination	0	0.0%
<b>Health Service Utilization Intensity:</b>	<b>Mean</b>	<b>Standard Deviation</b>
Mean number of ambulatory encounters (AV)	5	0
Mean number of emergency room encounters (ED)	1	0
Mean number of inpatient hospital encounters (IP)	0	0
Mean number of non-acute institutional encounters (IS)	0	0
Mean number of other ambulatory encounters (OA)	4	0
Mean number of unique drug classes	3	0
Mean number of generics	3	0
Mean number of filled prescriptions	5	0

<sup>1</sup>All metrics are based on total number of episodes per group, except for sex which is based on total number of unique patients

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ILI</b>					
Total	697,055	51,312,507	709,603	0.0	0.59
Treated on Day of Diagnosis	373,559		375,556	29,434.0	1.01
Treated Day After Diagnosis	23,112		23,131	1,750.9	1.00
Treated 1-5 Days After Diagnosis	32,304		32,342	2,403.3	1.00
NOT Treated Within 5 Days of Diagnosis	293,290		298,965	19,370.9	0.00
<b>P and I</b>					
Total	1,466,493	51,309,809	1,643,316	0.0	0.28
Treated on Day of Diagnosis	373,878		375,860	29,456.7	1.01
Treated Day After Diagnosis	23,362		23,383	1,770.0	1.00
Treated 1-5 Days After Diagnosis	33,616		33,653	2,495.9	1.00
NOT Treated Within 5 Days of Diagnosis	1,056,125		1,212,501	76,743.6	0.00
<b>MAARI</b>					
Total	7,248,058	51,304,848	8,995,593	0.0	0.05
Treated on Day of Diagnosis	347,711		349,322	27,369.5	1.01
Treated Day After Diagnosis	25,966		25,983	1,965.3	1.00
Treated 1-5 Days After Diagnosis	42,460		42,503	3,131.6	1.00
NOT Treated Within 5 Days of Diagnosis	6,869,457		8,471,265	540,239.7	0.00
<b>ILI - Treated Day of Diagnosis</b>					
Hospitalization	373,436		375,431	29,268.7	1.01
Bilevel Positive Airway Pressure (BiPAP)	373,502		375,499	29,370.7	1.01
Supplemental oxygen	366,650		368,578	28,705.8	1.01
Mechanical ventilation	373,550		375,547	29,425.0	1.01
Critical Care	373,350		375,346	29,302.5	1.01
Extracorporeal membrane oxygenation (ECMO)	373,558		375,555	29,433.7	1.01
Death	373,559		375,556	29,431.7	1.01
Discharge from hospital alive	373,448		375,443	29,285.9	1.01

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ILI - Treated Day After Diagnosis</b>					
Hospitalization	22,761		22,779	1,700.0	1.00
BiPAP	23,107		23,126	1,746.6	1.00
Supplemental oxygen	21,377		21,394	1,603.6	1.00
Mechanical ventilation	23,105		23,124	1,748.7	1.00
Critical Care	22,578		22,596	1,693.0	1.00
ECMO	23,112		23,131	1,750.9	1.00
Death	23,111		23,130	1,750.0	1.00
Discharge from hospital alive	22,808		22,826	1,707.2	1.00
<b>ILI - Treated 1-5 Days After Diagnosis</b>					
Hospitalization	28,555		28,581	2,103.3	1.00
BiPAP	32,282		32,320	2,394.3	1.00
Supplemental oxygen	29,119		29,151	2,140.4	1.00
Mechanical ventilation	32,219		32,257	2,394.0	1.00
Critical Care	28,516		28,541	2,108.3	1.00
ECMO	32,304		32,342	2,403.3	1.00
Death	32,303		32,341	2,401.3	1.00
Discharge from hospital alive	28,911		28,937	2,132.4	1.00
<b>ILI - NOT Treated 0-5 Days After Diagnosis</b>					
Hospitalization	285,327		290,694	18,755.3	0.00
BiPAP	293,022		298,665	19,319.2	0.00
Supplemental oxygen	283,022		288,408	18,596.3	0.00
Mechanical ventilation	292,328		297,962	19,301.1	0.00
Critical Care	285,079		290,456	18,762.4	0.00
ECMO	293,280		298,952	19,370.0	0.00
Death	293,043		298,713	19,341.0	0.00
Discharge from hospital alive	286,316		291,713	18,826.3	0.00

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>					
Hospitalization	11,984		12,015	0.0	0.00
BiPAP	310		316	0.0	0.00
Supplemental oxygen	13,675		13,716	0.0	0.00
Mechanical ventilation	1,098		1,099	0.0	0.00
Critical Care	12,206		12,265	0.0	0.00
ECMO	13		13	0.0	0.00
Death	289		289	0.0	-
Discharge from hospital alive	1,164		10,648	0.0	0.00
<b>ILI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>					
Hospitalization	125		125		
BiPAP	57		57		
Supplemental oxygen	6,984		6,987		
Mechanical ventilation	9		9		
Critical Care	210		210		
ECMO	1		1		
Death	1		1		
Discharge from hospital alive	113		113		
<b>ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>					
Hospitalization	103		103		
BiPAP	8		8		
Supplemental oxygen	132		132		
Mechanical ventilation	7		7		
Critical Care	136		136		
ECMO	0		0		
Death	1		1		
Discharge from hospital alive	72		72		

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>P and I - Treated Day of Diagnosis</b>					
Hospitalization	373,731		375,713	29,287.3	1.01
BiPAP	373,821		375,803	29,393.3	1.01
Supplemental oxygen	366,904		368,821	28,723.3	1.01
Mechanical ventilation	373,864		375,846	29,447.8	1.01
Critical Care	373,651		375,633	29,321.8	1.01
ECMO	373,877		375,859	29,456.5	1.01
Death	373,878		375,860	29,454.2	1.01
Discharge from hospital alive	373,747		375,729	29,305.1	1.01
<b>P and I - Treated After Day of Diagnosis</b>					
Hospitalization	22,985		23,004	1,716.6	1.00
BiPAP	23,356		23,377	1,765.5	1.00
Supplemental oxygen	21,609		21,628	1,622.0	1.00
Mechanical ventilation	23,356		23,377	1,768.0	1.00
Critical Care	22,835		22,855	1,712.6	1.00
ECMO	23,362		23,383	1,770.0	1.00
Death	23,361		23,382	1,769.3	1.00
Discharge from hospital alive	23,030		23,049	1,723.4	1.00
<b>P and I - Treated 1-5 Days After Diagnosis</b>					
Hospitalization	29,149		29,176	2,145.8	1.00
BiPAP	33,586		33,623	2,485.7	1.00
Supplemental oxygen	30,248		30,281	2,219.0	1.00
Mechanical ventilation	33,488		33,525	2,483.9	1.00
Critical Care	29,480		29,508	2,177.0	1.00
ECMO	33,616		33,653	2,495.9	1.00
Death	33,615		33,652	2,493.7	1.00
Discharge from hospital alive	29,548		29,576	2,177.4	1.00

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>P and I - NOT Treated 0-5 Days After Diagnosis</b>					
Hospitalization	915,947		1,028,729	64,115.6	0.00
BiPAP	1,054,385		1,209,298	76,230.1	0.00
Supplemental oxygen	960,635		1,094,458	68,174.3	0.00
Mechanical ventilation	1,036,397		1,185,918	74,948.1	0.00
Critical Care	905,260		1,018,009	63,752.3	0.00
ECMO	1,055,999		1,212,349	76,733.3	0.00
Death	1,048,031		1,203,146	75,766.6	0.00
Discharge from hospital alive	939,395		1,056,996	65,892.1	0.00
<b>P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>					
Hospitalization	179,911		191,968		
BiPAP	2,826		3,280		
Supplemental oxygen	119,050		123,168		
Mechanical ventilation	26,890		27,603		
Critical Care	188,549		203,012		
ECMO	156		157		
Death	10,802		10,802		
Discharge from hospital alive	153,084		162,214		
<b>P and I - Excluded: Outcome and Treatment, on Day of Diagnosis</b>					
Hospitalization	147		147		
BiPAP	57		57		
Supplemental oxygen	7,045		7,045		
Mechanical ventilation	15		15		
Critical Care	227		227		
ECMO	1		1		
Death	1		1		
Discharge from hospital alive	131		131		

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>					
Hospitalization	116		116		
BiPAP	11		11		
Supplemental oxygen	169		169		
Mechanical ventilation	5		5		
Critical Care	141		141		
ECMO	0		0		
Death	1		1		
Discharge from hospital alive	85		85		
<b>MAARI - Treated Day of Diagnosis</b>					
Hospitalization	347,603		349,214	27,209.1	1.01
BiPAP	347,654		349,263	27,307.8	1.01
Supplemental oxygen	341,511		343,069	26,709.4	1.01
Mechanical ventilation	347,702		349,313	27,360.8	1.01
Critical Care	347,509		349,119	27,242.8	1.01
ECMO	347,710		349,321	27,369.3	1.01
Death	347,711		349,322	27,367.2	1.01
Discharge from hospital alive	347,614		349,225	27,224.5	1.01
<b>MAARI - Treated After Day of Diagnosis</b>					
Hospitalization	25,642		25,658	1,916.5	1.00
BiPAP	25,960		25,977	1,960.8	1.00
Supplemental oxygen	24,280		24,295	1,820.5	1.00
Mechanical ventilation	25,958		25,975	1,963.1	1.00
Critical Care	25,472		25,488	1,911.0	1.00
ECMO	25,966		25,983	1,965.3	1.00
Death	25,965		25,982	1,964.5	1.00
Discharge from hospital alive	25,687		25,703	1,923.4	1.00

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>MAARI - Treated 1-5 Days After Diagnosis</b>					
Hospitalization	39,009		39,040	2,848.8	1.00
BiPAP	42,423		42,466	3,121.6	1.00
Supplemental oxygen	39,056		39,090	2,848.5	1.00
Mechanical ventilation	42,378		42,421	3,122.4	1.00
Critical Care	38,991		39,022	2,857.0	1.00
ECMO	42,460		42,503	3,131.5	1.00
Death	42,459		42,502	3,129.4	1.00
Discharge from hospital alive	39,320		39,353	2,875.2	1.00
<b>MAARI - NOT Treated 0-5 Days After Diagnosis</b>					
Hospitalization	6,832,950		8,422,309	535,269.3	0.00
BiPAP	6,863,594		8,462,770	538,761.1	0.00
Supplemental oxygen	6,728,158		8,265,632	525,191.1	0.00
Mechanical ventilation	6,866,486		8,467,329	539,884.7	0.00
Critical Care	6,832,833		8,423,223	535,868.4	0.00
ECMO	6,869,425		8,471,228	540,236.9	0.00
Death	6,868,565		8,470,244	540,104.3	0.00
Discharge from hospital alive	6,837,443		8,428,466	535,914.2	0.00
<b>MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>					
Hospitalization	52,285		52,944		
BiPAP	8,339		8,649		
Supplemental oxygen	205,000		211,372		
Mechanical ventilation	4,071		4,100		
Critical Care	51,367		52,146		
ECMO	38		38		
Death	1,196		1,196		
Discharge from hospital alive	45,830		46,377		

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>					
Hospitalization	108		108		
BiPAP	59		59		
Supplemental oxygen	6,256		6,259		
Mechanical ventilation	9		9		
Critical Care	203		203		
ECMO	1		1		
Death	1		1		
Discharge from hospital alive	97		97		
<b>MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>					
Hospitalization	101		101		
BiPAP	15		15		
Supplemental oxygen	369		369		
Mechanical ventilation	7		7		
Critical Care	128		128		
ECMO	0		0		
Death	1		1		
Discharge from hospital alive	75		75		

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Data are not presented in shaded cells due to their inability to be calculated

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ILI</b>						
Total	3.08	5.24				40,745,537.9
Treated on Day of Diagnosis	5.32	5.27				
Treated Day After Diagnosis	5.26	5.24				
Treated 1-5 Days After Diagnosis	4.97	4.95				
NOT Treated Within 5 Days of Diagnosis	0.00					
<b>P and I</b>						
Total	1.47	5.24				40,650,810.8
Treated on Day of Diagnosis	5.32	5.27				
Treated Day After Diagnosis	5.27	5.24				
Treated 1-5 Days After Diagnosis	4.97	4.95				
NOT Treated Within 5 Days of Diagnosis	0.00					
<b>MAARI</b>						
Total	0.29	5.28				40,027,991.6
Treated on Day of Diagnosis	5.34	5.30				
Treated Day After Diagnosis	5.33	5.31				
Treated 1-5 Days After Diagnosis	5.19	5.17				
NOT Treated Within 5 Days of Diagnosis	0.00					
<b>ILI - Treated Day of Diagnosis</b>						
Hospitalization	5.32	5.27	3,030	8.07	103.52	
Bilevel Positive Airway Pressure (BiPAP)	5.32	5.27	1,540	4.10	52.43	
Supplemental oxygen	5.32	5.27	3,415	9.27	118.97	
Mechanical ventilation	5.32	5.27	155	0.41	5.27	
Critical Care	5.32	5.27	2,173	5.79	74.16	
Extracorporeal membrane oxygenation (ECMO)	5.32	5.27	3	0.01	0.10	
Death	5.32	5.27	89	0.24	3.02	
Discharge from hospital alive	5.32	5.27	2,682	7.14	91.58	

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ILI - Treated Day After Diagnosis</b>						
Hospitalization	5.27	5.25	498	21.86	292.94	
BiPAP	5.26	5.24	103	4.45	58.97	
Supplemental oxygen	5.29	5.27	292	13.65	182.09	
Mechanical ventilation	5.26	5.24	34	1.47	19.44	
Critical Care	5.27	5.25	346	15.31	204.37	
ECMO	5.26	5.24	1	0.04	0.57	
Death	5.26	5.24	40	1.73	22.86	
Discharge from hospital alive	5.27	5.25	410	17.96	240.16	
<b>ILI - Treated 1-5 Days After Diagnosis</b>						
Hospitalization	5.15	5.13	725	25.37	344.70	
BiPAP	4.97	4.95	206	6.37	86.04	
Supplemental oxygen	5.02	5.00	544	18.66	254.16	
Mechanical ventilation	4.97	4.95	77	2.39	32.16	
Critical Care	5.14	5.12	515	18.04	244.27	
ECMO	4.97	4.95	1	0.03	0.42	
Death	4.97	4.95	84	2.60	34.98	
Discharge from hospital alive	5.13	5.11	625	21.60	293.10	
<b>ILI - NOT Treated 0-5 Days After Diagnosis</b>						
Hospitalization	0.00		2,433	8.37	129.72	
BiPAP	0.00		987	3.30	51.09	
Supplemental oxygen	0.00		2,285	7.92	122.87	
Mechanical ventilation	0.00		271	0.91	14.04	
Critical Care	0.00		1,830	6.30	97.54	
ECMO	0.00		1	0.00	0.05	
Death	0.00		742	2.48	38.36	
Discharge from hospital alive	0.00		2,145	7.35	113.94	

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>						
Hospitalization	0.00		0	0.00		
BiPAP	0.00		0	0.00		
Supplemental oxygen	0.00		0	0.00		
Mechanical ventilation	0.00		0	0.00		
Critical Care	0.00		0	0.00		
ECMO	0.00		0	0.00		
Death			0			
Discharge from hospital alive	0.00		0	0.00		
<b>ILI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						
<b>ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>P and I - Treated Day of Diagnosis</b>						
Hospitalization	5.32	5.27	3,064	8.16	104.62	
BiPAP	5.32	5.27	1,542	4.10	52.46	
Supplemental oxygen	5.32	5.27	3,426	9.29	119.28	
Mechanical ventilation	5.32	5.27	148	0.39	5.03	
Critical Care	5.32	5.27	2,202	5.86	75.10	
ECMO	5.32	5.27	3	0.01	0.10	
Death	5.32	5.27	95	0.25	3.23	
Discharge from hospital alive	5.32	5.27	2,715	7.23	92.65	
<b>P and I - Treated After Day of Diagnosis</b>						
Hospitalization	5.28	5.25	506	22.00	294.77	
BiPAP	5.27	5.24	106	4.53	60.04	
Supplemental oxygen	5.29	5.27	286	13.22	176.33	
Mechanical ventilation	5.27	5.24	31	1.33	17.53	
Critical Care	5.28	5.26	341	14.92	199.11	
ECMO	5.27	5.24	1	0.04	0.56	
Death	5.27	5.24	33	1.41	18.65	
Discharge from hospital alive	5.27	5.25	424	18.40	246.03	
<b>P and I - Treated 1-5 Days After Diagnosis</b>						
Hospitalization	5.17	5.15	751	25.74	349.99	
BiPAP	4.97	4.95	222	6.60	89.31	
Supplemental oxygen	5.02	5.00	573	18.92	258.22	
Mechanical ventilation	4.97	4.95	74	2.21	29.79	
Critical Care	5.14	5.12	531	18.00	243.91	
ECMO	4.97	4.95	1	0.03	0.40	
Death	4.97	4.95	84	2.50	33.68	
Discharge from hospital alive	5.15	5.13	656	22.18	301.28	

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>P and I - NOT Treated 0-5 Days After Diagnosis</b>						
Hospitalization	0.00		37,140	36.10	579.27	
BiPAP	0.00		9,662	7.99	126.75	
Supplemental oxygen	0.00		29,884	27.30	438.35	
Mechanical ventilation	0.00		7,712	6.50	102.90	
Critical Care	0.00		30,313	29.78	475.48	
ECMO	0.00		37	0.03	0.48	
Death	0.00		24,437	20.31	322.53	
Discharge from hospital alive	0.00		32,257	30.52	489.54	
<b>P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						
<b>P and I - Excluded: Outcome and Treatment, on Day of Diagnosis</b>						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						
<b>MAARI - Treated Day of Diagnosis</b>						
Hospitalization	5.34	5.30	2,941	8.42	108.09	
BiPAP	5.34	5.30	1,470	4.21	53.83	
Supplemental oxygen	5.34	5.30	3,174	9.25	118.83	
Mechanical ventilation	5.34	5.30	151	0.43	5.52	
Critical Care	5.34	5.30	2,101	6.02	77.12	
ECMO	5.34	5.30	2	0.01	0.07	
Death	5.34	5.30	84	0.24	3.07	
Discharge from hospital alive	5.34	5.30	2,639	7.56	96.93	
<b>MAARI - Treated After Day of Diagnosis</b>						
Hospitalization	5.34	5.31	499	19.45	260.37	
BiPAP	5.33	5.31	108	4.16	55.08	
Supplemental oxygen	5.35	5.33	324	13.34	177.97	
Mechanical ventilation	5.33	5.31	33	1.27	16.81	
Critical Care	5.34	5.32	345	13.54	180.53	
ECMO	5.33	5.31	1	0.04	0.51	
Death	5.33	5.31	43	1.65	21.89	
Discharge from hospital alive	5.34	5.31	415	16.15	215.76	

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>MAARI - Treated 1-5 Days After Diagnosis</b>						
Hospitalization	5.33	5.31	816	20.90	286.44	
BiPAP	5.20	5.17	213	5.02	68.23	
Supplemental oxygen	5.24	5.21	653	16.71	229.24	
Mechanical ventilation	5.20	5.17	78	1.84	24.98	
Critical Care	5.32	5.30	582	14.91	203.71	
ECMO	5.19	5.17	1	0.02	0.32	
Death	5.19	5.17	90	2.12	28.76	
Discharge from hospital alive	5.32	5.29	712	18.09	247.63	
<b>MAARI - NOT Treated 0-5 Days After Diagnosis</b>						
Hospitalization	0.00		55,096	6.54	102.93	
BiPAP	0.00		29,848	3.53	55.40	
Supplemental oxygen	0.00		52,907	6.40	100.74	
Mechanical ventilation	0.00		3,609	0.43	6.68	
Critical Care	0.00		39,116	4.64	73.00	
ECMO	0.00		18	0.00	0.03	
Death	0.00		4,120	0.49	7.63	
Discharge from hospital alive	0.00		47,178	5.60	88.03	
<b>MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						

**Table 2. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017, Overall**

	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						
<b>MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>						
Hospitalization						
BiPAP						
Supplemental oxygen						
Mechanical ventilation						
Critical Care						
ECMO						
Death						
Discharge from hospital alive						

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period  
*Data are not presented in shaded cells due to their inability to be calculated*

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ILI</b>											
<b>Total</b>											
Female	373,769	26,140,050	380,606	0.0	0.58	3.05	5.22				20,842,529.1
Male	323,270	25,170,581	328,981	0.0	0.59	3.12	5.26				19,901,644.9
Other	16	1,876	16	0.0	0.81	3.94	4.85				1,363.9
<b>Treated on Day of Diagnosis</b>											
Female	198,535		199,539	15,637.2	1.01	5.30	5.25				
Male	175,013		176,006	13,795.9	1.01	5.34	5.29				
Other	11		11	0.8	1.00	5.00	5.00				
<b>Treated Day After Diagnosis</b>											
Female	12,578		12,586	952.2	1.00	5.23	5.20				
Male	10,533		10,544	798.6	1.00	5.31	5.29				
Other	1		1	0.1	1.00	5.00	5.00				
<b>Treated 1-5 Days After Diagnosis</b>											
Female	17,529		17,552	1,303.2	1.00	4.95	4.93				
Male	14,773		14,788	1,100.0	1.00	4.99	4.97				
Other	2		2	0.2	1.00	4.00	4.00				
<b>NOT Treated Within 5 Days of Diagnosis</b>											
Female	158,858		162,025	10,496.0	0.00	0.00					
Male	134,429		136,937	8,874.7	0.00	0.00					
Other	3		3	0.2	0.00	0.00					
<b>P and I</b>											
<b>Total</b>											
Female	775,375	26,138,719	870,714	0.0	0.28	1.48	5.22				20,792,517.7
Male	691,050	25,169,214	772,523	0.0	0.28	1.47	5.26				19,856,935.3
Other	68	1,876	79	0.0	0.21	0.96	4.64				1,357.9

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Treated on Day of Diagnosis</b>											
Female	198,711		199,704	15,649.4	1.01	5.30	5.25				
Male	175,156		176,145	13,806.5	1.01	5.34	5.29				
Other	11		11	0.8	1.00	5.00	5.00				
<b>Treated Day After Diagnosis</b>											
Female	12,723		12,732	963.2	1.00	5.23	5.21				
Male	10,638		10,650	806.8	1.00	5.31	5.29				
Other	1		1	0.1	1.00	5.00	5.00				
<b>Treated 1-5 Days After Diagnosis</b>											
Female	18,198		18,218	1,350.2	1.00	4.95	4.93				
Male	15,415		15,432	1,145.5	1.00	4.98	4.96				
Other	3		3	0.2	1.00	3.33	3.33				
<b>NOT Treated Within 5 Days of Diagnosis</b>											
Female	557,090		641,682	40,661.2	0.00	0.00					
Male	498,981		570,755	36,078.5	0.00	0.00					
Other	54		64	3.9	0.00	0.00					
<b>MAARI</b>											
<b>Total</b>											
Female	4,181,558	26,135,826	5,199,841	0.0	0.05	0.27	5.27				20,425,502.3
Male	3,066,303	25,167,146	3,795,523	0.0	0.06	0.31	5.29				19,601,143.7
Other	197	1,876	229	0.0	0.06	0.29	4.83				1,345.5
<b>Treated on Day of Diagnosis</b>											
Female	186,264		187,081	14,655.5	1.01	5.33	5.28				
Male	161,437		162,231	12,713.3	1.01	5.36	5.31				
Other	10		10	0.7	1.00	5.00	5.00				

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Treated Day After Diagnosis</b>											
Female	14,218		14,225	1,075.7	1.01	5.32	5.29				
Male	11,747		11,757	889.6	1.00	5.35	5.33				
Other	1		1	0.1	1.00	5.00	5.00				
<b>Treated 1-5 Days After Diagnosis</b>											
Female	23,411		23,437	1,725.4	1.01	5.19	5.17				
Male	19,047		19,064	1,406.0	1.00	5.20	5.17				
Other	2		2	0.2	1.00	4.00	4.00				
<b>NOT Treated Within 5 Days of Diagnosis</b>											
Female	3,976,638		4,911,479	313,200.2	0.00	0.00					
Male	2,892,639		3,559,578	227,026.4	0.00	0.00					
Other	180		208	13.1	0.00	0.00					
<b>ILI - Treated Day of Diagnosis</b>											
<b>Hospitalization</b>											
Female	198,475		199,479	15,543.6	1.01	5.30	5.25	1,789	8.97	115.10	
Male	174,950		175,941	13,724.2	1.01	5.34	5.29	1,241	7.05	90.42	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Bilevel Positive Airway Pressure (BiPAP)</b>											
Female	198,512		199,516	15,611.9	1.01	5.30	5.25	634	3.18	40.61	
Male	174,979		175,972	13,757.9	1.01	5.34	5.29	906	5.15	65.85	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	194,834		195,797	15,235.3	1.01	5.30	5.25	2,028	10.36	133.11	
Male	171,805		172,770	13,469.7	1.01	5.35	5.29	1,387	8.03	102.97	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>											
Female	198,532		199,536	15,632.7	1.01	5.30	5.25	87	0.44	5.57	
Male	175,007		176,000	13,791.6	1.01	5.34	5.29	68	0.39	4.93	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Critical Care</b>											
Female	198,437		199,441	15,566.9	1.01	5.30	5.25	1,185	5.94	76.12	
Male	174,902		175,894	13,734.8	1.01	5.34	5.29	988	5.62	71.93	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Extracorporeal membrane oxygenation (ECMO)</b>											
Female	198,534		199,538	15,637.0	1.01	5.30	5.25	2	0.01	0.13	
Male	175,013		176,006	13,795.9	1.01	5.34	5.29	1	0.01	0.07	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Death</b>											
Female	198,535		199,539	15,636.0	1.01	5.30	5.25	52	0.26	3.33	
Male	175,013		176,006	13,794.8	1.01	5.34	5.29	37	0.21	2.68	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Discharge from hospital alive</b>											
Female	198,481		199,485	15,553.8	1.01	5.30	5.25	1,573	7.89	101.13	
Male	174,956		175,947	13,731.3	1.01	5.34	5.29	1,109	6.30	80.76	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>ILI - Treated Day After Diagnosis</b>											
<b>Hospitalization</b>											
Female	12,399		12,407	924.4	1.00	5.24	5.21	288	23.21	311.55	
Male	10,361		10,371	775.5	1.00	5.31	5.30	210	20.25	270.79	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>											
Female	12,575		12,583	950.2	1.00	5.23	5.20	45	3.58	47.36	
Male	10,531		10,542	796.3	1.00	5.31	5.29	58	5.50	72.84	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	11,584		11,592	867.1	1.01	5.25	5.22	176	15.18	202.98	
Male	9,792		9,801	736.4	1.00	5.33	5.32	116	11.84	157.52	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Mechanical ventilation</b>											
Female	12,573		12,581	951.2	1.00	5.23	5.20	12	0.95	12.62	
Male	10,531		10,542	797.4	1.00	5.31	5.29	22	2.09	27.59	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Critical Care</b>											
Female	12,311		12,319	922.3	1.00	5.24	5.21	184	14.94	199.50	
Male	10,266		10,276	770.6	1.00	5.32	5.30	162	15.76	210.23	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>ECMO</b>											
Female	12,578		12,586	952.2	1.00	5.23	5.20	1	0.08	1.05	
Male	10,533		10,544	798.6	1.00	5.31	5.29	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Death</b>											
Female	12,577		12,585	951.6	1.00	5.23	5.20	21	1.67	22.07	
Male	10,533		10,544	798.3	1.00	5.31	5.29	19	1.80	23.80	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses Outcome per 1,000 New Diagnoses	New Diagnoses Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>											
Female	12,417		12,425	928.6	1.00	5.23	5.21	227	18.27	244.45	
Male	10,390		10,400	778.5	1.00	5.31	5.29	183	17.60	235.07	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>ILI - Treated 1-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	15,566		15,579	1,143.8	1.00	5.13	5.11	426	27.34	372.44	
Male	12,987		13,000	959.4	1.00	5.18	5.16	299	23.00	311.65	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>BiPAP</b>											
Female	17,517		17,540	1,298.9	1.00	4.95	4.93	92	5.25	70.83	
Male	14,763		14,778	1,095.2	1.00	4.99	4.98	114	7.71	104.09	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	15,757		15,776	1,155.6	1.00	5.00	4.97	323	20.47	279.51	
Male	13,360		13,373	984.6	1.00	5.05	5.03	221	16.53	224.46	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>Mechanical ventilation</b>											
Female	17,489		17,512	1,299.0	1.00	4.95	4.93	33	1.88	25.40	
Male	14,728		14,743	1,094.9	1.00	5.00	4.98	44	2.98	40.19	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>Critical Care</b>											
Female	15,588		15,601	1,151.0	1.00	5.11	5.08	279	17.88	242.40	
Male	12,927		12,939	957.2	1.00	5.18	5.16	236	18.24	246.55	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>											
Female	17,529		17,552	1,303.2	1.00	4.95	4.93	1	0.06	0.77	
Male	14,773		14,788	1,100.0	1.00	4.99	4.97	0	0.00	0.00	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>Death</b>											
Female	17,528		17,551	1,302.0	1.00	4.95	4.93	43	2.45	33.03	
Male	14,773		14,788	1,099.1	1.00	4.99	4.97	41	2.77	37.30	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>Discharge from hospital alive</b>											
Female	15,744		15,757	1,159.7	1.00	5.11	5.09	350	22.21	301.80	
Male	13,165		13,178	972.6	1.00	5.16	5.14	275	20.87	282.75	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>ILI - NOT Treated 0-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	154,667		157,667	10,167.0	0.00	0.00		1,400	8.88	137.70	
Male	130,658		133,025	8,588.2	0.00	0.00		1,033	7.77	120.28	
Other	2		2	0.1	0.00	0.00		0	0.00	0.00	
<b>BiPAP</b>											
Female	158,748		161,903	10,473.9	0.00	0.00		437	2.70	41.72	
Male	134,271		136,759	8,845.1	0.00	0.00		550	4.02	62.18	
Other	3		3	0.2	0.00	0.00		0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	152,967		155,978	10,050.5	0.00	0.00		1,328	8.51	132.13	
Male	130,052		132,427	8,545.6	0.00	0.00		957	7.23	111.99	
Other	3		3	0.2	0.00	0.00		0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>											
Female	158,370		161,518	10,460.9	0.00	0.00		139	0.86	13.29	
Male	133,955		136,441	8,840.0	0.00	0.00		132	0.97	14.93	
Other	3		3	0.2	0.00	0.00		0	0.00	0.00	
<b>Critical Care</b>											
Female	154,545		157,540	10,173.5	0.00	0.00		990	6.28	97.31	
Male	130,533		132,915	8,588.9	0.00	0.00		840	6.32	97.80	
Other	1		1	0.1	0.00	0.00		0	0.00	0.00	
<b>ECMO</b>											
Female	158,854		162,019	10,495.6	0.00	0.00		0	0.00	0.00	
Male	134,423		136,930	8,874.3	0.00	0.00		1	0.01	0.11	
Other	3		3	0.2	0.00	0.00		0	0.00	0.00	
<b>Death</b>											
Female	158,729		161,894	10,481.0	0.00	0.00		386	2.38	36.83	
Male	134,311		136,816	8,859.9	0.00	0.00		356	2.60	40.18	
Other	3		3	0.2	0.00	0.00		0	0.00	0.00	
<b>Discharge from hospital alive</b>											
Female	155,209		158,224	10,206.6	0.00	0.00		1,228	7.76	120.31	
Male	131,105		133,487	8,619.6	0.00	0.00		917	6.87	106.39	
Other	2		2	0.1	0.00	0.00		0	0.00	0.00	
<b>ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	6,311										
Male	5,672										
Other	1										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>											
Female	126										
Male	184										
Other	0										
<b>Supplemental oxygen</b>											
Female	7,780										
Male	5,895										
Other	0										
<b>Mechanical ventilation</b>											
Female	551										
Male	547										
Other	0										
<b>Critical Care</b>											
Female	6,368										
Male	5,835										
Other	3										
<b>ECMO</b>											
Female	6										
Male	7										
Other	0										
<b>Death</b>											
Female	151										
Male	138										
Other	0										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>											
Female	5,573										
Male	5,045										
Other	1										
<b>ILI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>											
<b>Hospitalization</b>											
Female	60										
Male	65										
Other	0										
<b>BiPAP</b>											
Female	23										
Male	34										
Other	0										
<b>Supplemental oxygen</b>											
Female	3,747										
Male	3,237										
Other	0										
<b>Mechanical ventilation</b>											
Female	3										
Male	6										
Other	0										
<b>Critical Care</b>											
Female	98										
Male	112										
Other	0										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>											
Female	1										
Male	0										
Other	0										
<b>Death</b>											
Female	0										
Male	1										
Other	0										
<b>Discharge from hospital alive</b>											
Female	54										
Male	59										
Other	0										
<b>ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	56										
Male	47										
Other	0										
<b>BiPAP</b>											
Female	7										
Male	1										
Other	0										
<b>Supplemental oxygen</b>											
Female	73										
Male	59										
Other	0										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>											
Female	6										
Male	1										
Other	0										
<b>Critical Care</b>											
Female	87										
Male	49										
Other	0										
<b>ECMO</b>											
Female	0										
Male	0										
Other	0										
<b>Death</b>											
Female	1										
Male	0										
Other	0										
<b>Discharge from hospital alive</b>											
Female	46										
Male	26										
Other	0										
<b>P and I - Treated Day of Diagnosis</b>											
<b>Hospitalization</b>											
Female	198,632		199,625	15,552.9	1.01	5.30	5.25	1,807	9.05	116.18	
Male	175,088		176,077	13,733.6	1.01	5.34	5.29	1,257	7.14	91.53	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>											
Female	198,688		199,681	15,624.1	1.01	5.30	5.25	635	3.18	40.64	
Male	175,122		176,111	13,768.4	1.01	5.34	5.29	907	5.15	65.88	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	194,976		195,930	15,244.5	1.01	5.30	5.25	2,039	10.41	133.75	
Male	171,917		172,880	13,477.9	1.01	5.35	5.29	1,387	8.02	102.91	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Mechanical ventilation</b>											
Female	198,706		199,699	15,644.9	1.01	5.30	5.25	82	0.41	5.24	
Male	175,147		176,136	13,802.1	1.01	5.34	5.29	66	0.37	4.78	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Critical Care</b>											
Female	198,606		199,599	15,577.0	1.01	5.30	5.25	1,205	6.04	77.36	
Male	175,034		176,023	13,744.0	1.01	5.34	5.29	997	5.66	72.54	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>ECMO</b>											
Female	198,710		199,703	15,649.2	1.01	5.30	5.25	2	0.01	0.13	
Male	175,156		176,145	13,806.5	1.01	5.34	5.29	1	0.01	0.07	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>Death</b>											
Female	198,711		199,704	15,648.2	1.01	5.30	5.25	52	0.26	3.32	
Male	175,156		176,145	13,805.2	1.01	5.34	5.29	43	0.24	3.11	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>											
Female	198,640		199,633	15,563.4	1.01	5.30	5.25	1,590	7.96	102.16	
Male	175,096		176,085	13,740.9	1.01	5.34	5.29	1,125	6.39	81.87	
Other	11		11	0.8	1.00	5.00	5.00	0	0.00	0.00	
<b>P and I - Treated After Day of Diagnosis</b>											
<b>Hospitalization</b>											
Female	12,534		12,542	934.2	1.00	5.24	5.22	294	23.44	314.71	
Male	10,450		10,461	782.3	1.00	5.32	5.30	212	20.27	271.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>BiPAP</b>											
Female	12,720		12,729	961.0	1.00	5.23	5.21	50	3.93	52.03	
Male	10,635		10,647	804.4	1.00	5.31	5.29	56	5.26	69.62	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	11,724		11,733	878.1	1.00	5.25	5.22	174	14.83	198.16	
Male	9,884		9,894	743.8	1.00	5.34	5.32	112	11.32	150.58	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Mechanical ventilation</b>											
Female	12,720		12,729	962.4	1.00	5.23	5.21	11	0.86	11.43	
Male	10,635		10,647	805.6	1.00	5.31	5.29	20	1.88	24.83	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Critical Care</b>											
Female	12,458		12,467	933.4	1.00	5.24	5.22	181	14.52	193.91	
Male	10,376		10,387	779.1	1.00	5.32	5.30	160	15.40	205.37	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>											
Female	12,723		12,732	963.1	1.00	5.23	5.21	1	0.08	1.04	
Male	10,638		10,650	806.8	1.00	5.31	5.29	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Death</b>											
Female	12,722		12,731	962.7	1.00	5.23	5.21	17	1.34	17.66	
Male	10,638		10,650	806.5	1.00	5.31	5.29	16	1.50	19.84	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Discharge from hospital alive</b>											
Female	12,551		12,559	938.1	1.00	5.24	5.21	236	18.79	251.57	
Male	10,478		10,489	785.1	1.00	5.32	5.30	188	17.92	239.46	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>P and I - Treated 1-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	15,916		15,929	1,168.7	1.00	5.15	5.13	444	27.87	379.91	
Male	13,231		13,245	976.9	1.00	5.20	5.18	307	23.18	314.26	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>BiPAP</b>											
Female	18,183		18,203	1,345.1	1.00	4.96	4.93	106	5.82	78.80	
Male	15,400		15,417	1,140.4	1.00	4.98	4.96	116	7.52	101.72	
Other	3		3	0.2	1.00	3.33	3.33	0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	16,335		16,353	1,195.5	1.00	5.00	4.98	343	20.97	286.91	
Male	13,910		13,925	1,023.3	1.00	5.04	5.02	230	16.52	224.76	
Other	3		3	0.2	1.00	3.33	3.33	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>											
Female	18,143		18,163	1,345.0	1.00	4.96	4.94	31	1.71	23.05	
Male	15,342		15,359	1,138.6	1.00	4.99	4.97	43	2.80	37.77	
Other	3		3	0.2	1.00	3.33	3.33	0	0.00	0.00	
<b>Critical Care</b>											
Female	16,102		16,117	1,187.5	1.00	5.12	5.10	290	17.99	244.21	
Male	13,376		13,389	989.3	1.00	5.17	5.16	241	18.00	243.61	
Other	2		2	0.1	1.00	3.50	3.50	0	0.00	0.00	
<b>ECMO</b>											
Female	18,198		18,218	1,350.1	1.00	4.95	4.93	1	0.05	0.74	
Male	15,415		15,432	1,145.5	1.00	4.98	4.96	0	0.00	0.00	
Other	3		3	0.2	1.00	3.33	3.33	0	0.00	0.00	
<b>Death</b>											
Female	18,197		18,217	1,348.9	1.00	4.95	4.93	43	2.36	31.88	
Male	15,415		15,432	1,144.6	1.00	4.98	4.96	41	2.66	35.82	
Other	3		3	0.2	1.00	3.33	3.33	0	0.00	0.00	
<b>Discharge from hospital alive</b>											
Female	16,113		16,126	1,185.8	1.00	5.13	5.11	370	22.94	312.03	
Male	13,433		13,448	991.5	1.00	5.17	5.16	286	21.27	288.45	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>P and I - NOT Treated 0-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	487,011		549,686	34,315.4	0.00	0.00		18,753	34.12	546.49	
Male	428,901		479,000	29,797.6	0.00	0.00		18,387	38.39	617.06	
Other	35		43	2.7	0.00	0.00		0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>											
Female	556,357		640,314	40,432.1	0.00	0.00		4,404	6.88	108.92	
Male	497,974		568,920	35,794.2	0.00	0.00		5,258	9.24	146.90	
Other	54		64	3.9	0.00	0.00		0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	504,951		577,226	35,970.8	0.00	0.00		16,416	28.44	456.37	
Male	455,632		517,171	32,199.8	0.00	0.00		13,465	26.04	418.17	
Other	52		61	3.6	0.00	0.00		3	49.18	833.33	
<b>Mechanical ventilation</b>											
Female	547,777		628,955	39,798.4	0.00	0.00		3,693	5.87	92.79	
Male	488,570		556,903	35,146.1	0.00	0.00		4,018	7.21	114.32	
Other	50		60	3.6	0.00	0.00		1	16.67	277.78	
<b>Critical Care</b>											
Female	483,180		546,013	34,242.9	0.00	0.00		15,119	27.69	441.52	
Male	422,051		471,962	29,507.4	0.00	0.00		15,193	32.19	514.89	
Other	29		34	2.0	0.00	0.00		1	29.41	500.00	
<b>ECMO</b>											
Female	557,043		641,625	40,657.1	0.00	0.00		16	0.02	0.39	
Male	498,902		570,660	36,072.3	0.00	0.00		21	0.04	0.58	
Other	54		64	3.9	0.00	0.00		0	0.00	0.00	
<b>Death</b>											
Female	553,315		637,312	40,222.2	0.00	0.00		10,745	16.86	267.14	
Male	494,667		565,776	35,540.9	0.00	0.00		13,687	24.19	385.11	
Other	49		58	3.4	0.00	0.00		5	86.21	1,470.59	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>											
Female	498,551		563,604	35,199.8	0.00	0.00		16,231	28.80	461.11	
Male	440,801		493,341	30,689.2	0.00	0.00		16,026	32.48	522.20	
Other	43		51	3.1	0.00	0.00		0	0.00	0.00	
<b>P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	90,054										
Male	89,834										
Other	23										
<b>BiPAP</b>											
Female	1,219										
Male	1,607										
Other	0										
<b>Supplemental oxygen</b>											
Female	65,007										
Male	54,040										
Other	3										
<b>Mechanical ventilation</b>											
Female	12,807										
Male	14,079										
Other	4										
<b>Critical Care</b>											
Female	92,797										
Male	95,721										
Other	31										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>											
Female	58										
Male	98										
Other	0										
<b>Death</b>											
Female	5,013										
Male	5,783										
Other	6										
<b>Discharge from hospital alive</b>											
Female	76,869										
Male	76,200										
Other	15										
<b>P and I - Excluded: Outcome and Treatment, on Day of Diagnosis</b>											
<b>Hospitalization</b>											
Female	79										
Male	68										
Other	0										
<b>BiPAP</b>											
Female	23										
Male	34										
Other	0										
<b>Supplemental oxygen</b>											
Female	3,779										
Male	3,266										
Other	0										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>											
Female	5										
Male	10										
Other	0										
<b>Critical Care</b>											
Female	105										
Male	122										
Other	0										
<b>ECMO</b>											
Female	1										
Male	0										
Other	0										
<b>Death</b>											
Female	0										
Male	1										
Other	0										
<b>Discharge from hospital alive</b>											
Female	71										
Male	60										
Other	0										
<b>P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	61										
Male	55										
Other	0										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>											
Female	9										
Male	2										
Other	0										
<b>Supplemental oxygen</b>											
Female	97										
Male	72										
Other	0										
<b>Mechanical ventilation</b>											
Female	4										
Male	1										
Other	0										
<b>Critical Care</b>											
Female	88										
Male	53										
Other	0										
<b>ECMO</b>											
Female	0										
Male	0										
Other	0										
<b>Death</b>											
Female	1										
Male	0										
Other	0										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>											
Female	50										
Male	35										
Other	0										
<b>MAARI - Treated Day of Diagnosis</b>											
<b>Hospitalization</b>											
Female	186,212		187,029	14,562.8	1.01	5.33	5.28	1,752	9.37	120.31	
Male	161,381		162,175	12,645.5	1.01	5.36	5.31	1,189	7.33	94.03	
Other	10		10	0.7	1.00	5.00	5.00	0	0.00	0.00	
<b>BiPAP</b>											
Female	186,239		187,056	14,630.3	1.01	5.33	5.28	617	3.30	42.17	
Male	161,405		162,197	12,676.8	1.01	5.36	5.31	853	5.26	67.29	
Other	10		10	0.7	1.00	5.00	5.00	0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	182,908		183,699	14,287.0	1.01	5.33	5.29	1,916	10.43	134.11	
Male	158,593		159,360	12,421.6	1.01	5.36	5.31	1,258	7.89	101.28	
Other	10		10	0.7	1.00	5.00	5.00	0	0.00	0.00	
<b>Mechanical ventilation</b>											
Female	186,261		187,078	14,650.9	1.01	5.33	5.28	86	0.46	5.87	
Male	161,431		162,225	12,709.2	1.01	5.36	5.31	65	0.40	5.11	
Other	10		10	0.7	1.00	5.00	5.00	0	0.00	0.00	
<b>Critical Care</b>											
Female	186,169		186,986	14,586.7	1.01	5.33	5.28	1,159	6.20	79.46	
Male	161,330		162,123	12,655.4	1.01	5.36	5.31	942	5.81	74.43	
Other	10		10	0.7	1.00	5.00	5.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>											
Female	186,263		187,080	14,655.3	1.01	5.33	5.28	1	0.01	0.07	
Male	161,437		162,231	12,713.3	1.01	5.36	5.31	1	0.01	0.08	
Other	10		10	0.7	1.00	5.00	5.00	0	0.00	0.00	
<b>Death</b>											
Female	186,264		187,081	14,654.3	1.01	5.33	5.28	48	0.26	3.28	
Male	161,437		162,231	12,712.2	1.01	5.36	5.31	36	0.22	2.83	
Other	10		10	0.7	1.00	5.00	5.00	0	0.00	0.00	
<b>Discharge from hospital alive</b>											
Female	186,219		187,036	14,571.9	1.01	5.33	5.28	1,571	8.40	107.81	
Male	161,385		162,179	12,651.8	1.01	5.36	5.31	1,068	6.59	84.41	
Other	10		10	0.7	1.00	5.00	5.00	0	0.00	0.00	
<b>MAARI - Treated After Day of Diagnosis</b>											
<b>Hospitalization</b>											
Female	14,042		14,049	1,048.1	1.01	5.33	5.30	290	20.64	276.69	
Male	11,599		11,608	868.4	1.00	5.36	5.33	209	18.00	240.67	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>BiPAP</b>											
Female	14,216		14,223	1,073.9	1.01	5.32	5.29	43	3.02	40.04	
Male	11,743		11,753	886.9	1.00	5.35	5.33	65	5.53	73.29	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	13,280		13,287	993.9	1.01	5.34	5.31	198	14.90	199.22	
Male	10,999		11,007	826.5	1.00	5.37	5.35	126	11.45	152.45	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>											
Female	14,212		14,219	1,074.5	1.01	5.32	5.29	13	0.91	12.10	
Male	11,745		11,755	888.6	1.00	5.35	5.33	20	1.70	22.51	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Critical Care</b>											
Female	13,970		13,977	1,047.5	1.01	5.33	5.30	188	13.45	179.47	
Male	11,501		11,510	863.4	1.00	5.36	5.34	157	13.64	181.84	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>ECMO</b>											
Female	14,218		14,225	1,075.6	1.01	5.32	5.29	1	0.07	0.93	
Male	11,747		11,757	889.6	1.00	5.35	5.33	0	0.00	0.00	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Death</b>											
Female	14,217		14,224	1,075.1	1.01	5.32	5.29	23	1.62	21.39	
Male	11,747		11,757	889.3	1.00	5.35	5.33	20	1.70	22.49	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>Discharge from hospital alive</b>											
Female	14,061		14,068	1,052.2	1.01	5.33	5.30	234	16.63	222.39	
Male	11,625		11,634	871.2	1.00	5.36	5.33	181	15.56	207.76	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>MAARI - Treated 1-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	21,595		21,612	1,573.9	1.00	5.33	5.30	484	22.39	307.52	
Male	17,412		17,426	1,274.7	1.00	5.34	5.31	332	19.05	260.45	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>											
Female	23,393		23,419	1,721.1	1.01	5.19	5.17	90	3.84	52.29	
Male	19,028		19,045	1,400.4	1.00	5.20	5.17	123	6.46	87.83	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	21,506		21,525	1,565.0	1.01	5.24	5.21	396	18.40	253.04	
Male	17,548		17,563	1,283.3	1.00	5.24	5.22	257	14.63	200.26	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>Mechanical ventilation</b>											
Female	23,373		23,399	1,721.2	1.01	5.19	5.17	34	1.45	19.75	
Male	19,003		19,020	1,401.0	1.00	5.20	5.18	44	2.31	31.41	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>Critical Care</b>											
Female	21,634		21,652	1,583.2	1.00	5.31	5.29	324	14.96	204.65	
Male	17,356		17,369	1,273.7	1.00	5.34	5.32	258	14.85	202.56	
Other	1		1	0.1	1.00	5.00	5.00	0	0.00	0.00	
<b>ECMO</b>											
Female	23,411		23,437	1,725.4	1.01	5.19	5.17	1	0.04	0.58	
Male	19,047		19,064	1,406.0	1.00	5.20	5.17	0	0.00	0.00	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>Death</b>											
Female	23,410		23,436	1,724.2	1.01	5.19	5.17	44	1.88	25.52	
Male	19,047		19,064	1,405.0	1.00	5.20	5.17	46	2.41	32.74	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>											
Female	21,756		21,775	1,588.6	1.00	5.31	5.29	414	19.01	260.61	
Male	17,562		17,576	1,286.5	1.00	5.32	5.30	298	16.95	231.64	
Other	2		2	0.2	1.00	4.00	4.00	0	0.00	0.00	
<b>MAARI - NOT Treated 0-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	3,956,333		4,883,809	310,297.1	0.00	0.00		33,998	6.96	109.57	
Male	2,876,439		3,538,294	224,959.2	0.00	0.00		21,097	5.96	93.78	
Other	178		206	13.0	0.00	0.00		1	4.85	76.92	
<b>BiPAP</b>											
Female	3,974,100		4,907,563	312,511.7	0.00	0.00		13,989	2.85	44.76	
Male	2,889,314		3,555,000	226,236.3	0.00	0.00		15,859	4.46	70.10	
Other	180		207	13.1	0.00	0.00		0	0.00	0.00	
<b>Supplemental oxygen</b>											
Female	3,893,487		4,791,012	304,358.4	0.00	0.00		31,178	6.51	102.44	
Male	2,834,491		3,474,414	220,819.7	0.00	0.00		21,728	6.25	98.40	
Other	180		206	13.0	0.00	0.00		1	4.85	76.92	
<b>Mechanical ventilation</b>											
Female	3,975,143		4,909,453	313,016.3	0.00	0.00		1,894	0.39	6.05	
Male	2,891,163		3,557,668	226,855.3	0.00	0.00		1,715	0.48	7.56	
Other	180		208	13.1	0.00	0.00		0	0.00	0.00	
<b>Critical Care</b>											
Female	3,957,032		4,885,216	310,772.4	0.00	0.00		22,429	4.59	72.17	
Male	2,875,625		3,537,803	225,083.2	0.00	0.00		16,685	4.72	74.13	
Other	176		204	12.8	0.00	0.00		2	9.80	156.25	

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>											
Female	3,976,624		4,911,462	313,199.0	0.00	0.00		8	0.00	0.03	
Male	2,892,621		3,559,558	227,024.8	0.00	0.00		10	0.00	0.04	
Other	180		208	13.1	0.00	0.00		0	0.00	0.00	
<b>Death</b>											
Female	3,976,200		4,910,962	313,132.6	0.00	0.00		2,054	0.42	6.56	
Male	2,892,185		3,559,074	226,958.6	0.00	0.00		2,065	0.58	9.10	
Other	180		208	13.1	0.00	0.00		1	4.81	76.34	
<b>Discharge from hospital alive</b>											
Female	3,958,818		4,887,316	310,682.5	0.00	0.00		28,982	5.93	93.28	
Male	2,878,446		3,540,943	225,218.7	0.00	0.00		18,195	5.14	80.79	
Other	179		207	13.0	0.00	0.00		1	4.83	76.92	
<b>MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	29,389										
Male	22,894										
Other	2										
<b>BiPAP</b>											
Female	3,818										
Male	4,520										
Other	1										
<b>Supplemental oxygen</b>											
Female	120,121										
Male	84,877										
Other	2										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>											
Female	2,091										
Male	1,980										
Other	0										
<b>Critical Care</b>											
Female	27,882										
Male	23,480										
Other	5										
<b>ECMO</b>											
Female	18										
Male	20										
Other	0										
<b>Death</b>											
Female	608										
Male	588										
Other	0										
<b>Discharge from hospital alive</b>											
Female	25,715										
Male	20,114										
Other	1										
<b>MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>											
<b>Hospitalization</b>											
Female	52										
Male	56										
Other	0										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>											
Female	25										
Male	34										
Other	0										
<b>Supplemental oxygen</b>											
Female	3,385										
Male	2,871										
Other	0										
<b>Mechanical ventilation</b>											
Female	3										
Male	6										
Other	0										
<b>Critical Care</b>											
Female	95										
Male	108										
Other	0										
<b>ECMO</b>											
Female	1										
Male	0										
Other	0										
<b>Death</b>											
Female	0										
Male	1										
Other	0										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>											
Female	45										
Male	52										
Other	0										
<b>MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>											
<b>Hospitalization</b>											
Female	58										
Male	43										
Other	0										
<b>BiPAP</b>											
Female	12										
Male	3										
Other	0										
<b>Supplemental oxygen</b>											
Female	207										
Male	162										
Other	0										
<b>Mechanical ventilation</b>											
Female	6										
Male	1										
Other	0										
<b>Critical Care</b>											
Female	82										
Male	46										
Other	0										

**Table 3. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Sex**

Sex	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>											
Female	0										
Male	0										
Other	0										
<b>Death</b>											
Female	1										
Male	0										
Other	0										
<b>Discharge from hospital alive</b>											
Female	49										
Male	26										
Other	0										

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period  
*Data are not presented in shaded cells due to their inability to be calculated*

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ILI</b>					
<b>Total</b>					
6 Months - 4	66,848	2,553,093	68,680	0.0	0.56
5-17	214,648	7,637,919	218,408	0.0	0.59
18-49	237,235	23,137,781	240,118	0.0	0.61
50-64	106,081	11,426,729	107,737	0.0	0.60
65+	72,425	8,366,299	74,660	0.0	0.51
<b>Treated on Day of Diagnosis</b>					
6 Months - 4	34,042		34,463	2,701.6	1.02
5-17	118,239		119,153	9,363.7	1.02
18-49	135,530		135,936	10,626.7	1.01
50-64	58,007		58,169	4,553.9	1.01
65+	27,777		27,835	2,188.1	1.00
<b>Treated Day After Diagnosis</b>					
6 Months - 4	2,465		2,473	187.7	1.01
5-17	6,306		6,314	478.8	1.01
18-49	7,046		7,048	531.8	1.00
50-64	3,160		3,161	238.7	1.00
65+	4,135		4,135	313.8	1.00
<b>Treated 1-5 Days After Diagnosis</b>					
6 Months - 4	2,895		2,906	218.4	1.01
5-17	7,390		7,400	556.4	1.01
18-49	8,532		8,539	637.3	1.00
50-64	4,711		4,714	348.6	1.00
65+	8,776		8,783	642.5	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>NOT Treated Within 5 Days of Diagnosis</b>					
6 Months - 4	30,295		31,036	2,016.2	0.00
5-17	90,151		91,328	5,940.8	0.00
18-49	93,395		94,595	6,117.3	0.00
50-64	43,455		44,357	2,868.9	0.00
65+	36,062		37,649	2,427.6	0.00
<b>P and I</b>					
<b>Total</b>					
6 Months - 4	125,804	2,552,954	134,876	0.0	0.30
5-17	298,874	7,637,795	310,665	0.0	0.43
18-49	364,641	23,137,436	383,201	0.0	0.40
50-64	262,337	11,426,023	297,991	0.0	0.24
65+	416,313	8,364,482	516,583	0.0	0.09
<b>Treated on Day of Diagnosis</b>					
6 Months - 4	33,914		34,331	2,691.3	1.02
5-17	118,113		119,018	9,353.0	1.02
18-49	135,762		136,168	10,644.1	1.01
50-64	58,218		58,379	4,569.8	1.01
65+	27,907		27,964	2,198.4	1.00
<b>Treated Day After Diagnosis</b>					
6 Months - 4	2,480		2,488	188.8	1.01
5-17	6,326		6,335	480.5	1.01
18-49	7,116		7,118	537.0	1.00
50-64	3,223		3,224	243.5	1.00
65+	4,217		4,218	320.2	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Treated 1-5 Days After Diagnosis</b>					
6 Months - 4	2,939		2,950	221.6	1.01
5-17	7,459		7,470	561.6	1.01
18-49	8,740		8,746	652.0	1.00
50-64	4,966		4,969	366.7	1.00
65+	9,512		9,518	694.0	1.00
<b>NOT Treated Within 5 Days of Diagnosis</b>					
6 Months - 4	89,992		96,431	6,193.6	0.00
5-17	175,251		182,329	11,748.1	0.00
18-49	219,589		234,573	14,984.2	0.00
50-64	197,788		230,172	14,568.6	0.00
65+	374,635		468,996	29,249.1	0.00
<b>MAARI</b>					
<b>Total</b>					
6 Months - 4	861,363	2,549,628	1,281,836	0.0	0.04
5-17	1,702,123	7,635,636	2,233,369	0.0	0.07
18-49	2,623,568	23,134,308	3,058,181	0.0	0.06
50-64	1,178,635	11,425,473	1,355,310	0.0	0.05
65+	914,171	8,365,625	1,066,897	0.0	0.04
<b>Treated on Day of Diagnosis</b>					
6 Months - 4	27,285		27,561	2,160.8	1.01
5-17	103,749		104,435	8,207.8	1.01
18-49	131,880		132,275	10,337.1	1.01
50-64	57,420		57,576	4,504.8	1.01
65+	27,403		27,475	2,159.1	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Treated Day After Diagnosis</b>					
6 Months - 4	2,510		2,515	190.7	1.01
5-17	7,467		7,475	567.0	1.01
18-49	8,236		8,240	621.6	1.00
50-64	3,543		3,543	267.0	1.00
65+	4,210		4,210	319.1	1.00
<b>Treated 1-5 Days After Diagnosis</b>					
6 Months - 4	3,771		3,779	279.6	1.01
5-17	11,301		11,315	839.2	1.01
18-49	12,133		12,144	896.9	1.00
50-64	6,077		6,082	445.6	1.00
65+	9,178		9,183	670.2	1.00
<b>NOT Treated Within 5 Days of Diagnosis</b>					
6 Months - 4	835,978		1,230,432	78,381.2	0.00
5-17	1,610,149		2,092,983	134,184.8	0.00
18-49	2,470,882		2,863,046	181,943.7	0.00
50-64	1,109,471		1,270,199	80,935.9	0.00
65+	872,180		1,014,605	64,794.2	0.00
<b>ILI - Treated Day of Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	34,037		34,458	2,694.4	1.02
5-17	118,235		119,147	9,352.6	1.02
18-49	135,510		135,916	10,582.9	1.01
50-64	57,974		58,136	4,515.0	1.01
65+	27,716		27,774	2,123.6	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Bilevel Positive Airway Pressure (BiPAP)</b>					
6 Months - 4	34,042		34,463	2,701.6	1.02
5-17	118,238		119,152	9,363.1	1.02
18-49	135,510		135,916	10,606.5	1.01
50-64	57,985		58,147	4,527.2	1.01
65+	27,763		27,821	2,172.3	1.00
<b>Supplemental oxygen</b>					
6 Months - 4	33,557		33,965	2,646.7	1.02
5-17	117,097		117,993	9,246.4	1.02
18-49	133,374		133,760	10,404.2	1.01
50-64	56,296		56,449	4,375.1	1.01
65+	26,362		26,411	2,033.4	1.00
<b>Mechanical ventilation</b>					
6 Months - 4	34,042		34,463	2,701.2	1.02
5-17	118,238		119,152	9,363.5	1.02
18-49	135,530		135,936	10,625.3	1.01
50-64	58,004		58,166	4,551.2	1.01
65+	27,772		27,830	2,183.8	1.00
<b>Critical Care</b>					
6 Months - 4	34,032		34,453	2,697.2	1.02
5-17	118,227		119,140	9,356.4	1.02
18-49	135,486		135,892	10,595.9	1.01
50-64	57,948		58,110	4,521.1	1.01
65+	27,693		27,751	2,131.9	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Extracorporeal membrane oxygenation (ECMO)</b>					
6 Months - 4	34,042		34,463	2,701.6	1.02
5-17	118,238		119,152	9,363.6	1.02
18-49	135,530		135,936	10,626.5	1.01
50-64	58,007		58,169	4,553.9	1.01
65+	27,777		27,835	2,188.1	1.00
<b>Death</b>					
6 Months - 4	34,042		34,463	2,701.6	1.02
5-17	118,239		119,153	9,363.7	1.02
18-49	135,530		135,936	10,626.5	1.01
50-64	58,007		58,169	4,553.7	1.01
65+	27,777		27,835	2,186.2	1.00
<b>Discharge from hospital alive</b>					
6 Months - 4	34,037		34,458	2,696.4	1.02
5-17	118,236		119,148	9,354.4	1.02
18-49	135,511		135,917	10,587.4	1.01
50-64	57,974		58,136	4,517.8	1.01
65+	27,726		27,784	2,129.8	1.00
<b>ILI - Treated Day After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	2,440		2,448	185.2	1.01
5-17	6,280		6,287	476.0	1.01
18-49	6,983		6,985	521.9	1.00
50-64	3,090		3,091	228.5	1.00
65+	3,968		3,968	288.4	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	2,465		2,473	187.7	1.01
5-17	6,306		6,314	478.8	1.01
18-49	7,043		7,045	530.8	1.00
50-64	3,159		3,160	237.4	1.00
65+	4,134		4,134	311.9	1.00
<b>Supplemental oxygen</b>					
6 Months - 4	2,381		2,388	180.2	1.01
5-17	6,151		6,158	465.4	1.01
18-49	6,658		6,660	498.8	1.00
50-64	2,787		2,788	207.4	1.00
65+	3,400		3,400	251.8	1.00
<b>Mechanical ventilation</b>					
6 Months - 4	2,464		2,472	187.6	1.01
5-17	6,305		6,313	478.8	1.01
18-49	7,046		7,048	531.8	1.00
50-64	3,160		3,161	238.3	1.00
65+	4,130		4,130	312.3	1.00
<b>Critical Care</b>					
6 Months - 4	2,436		2,444	185.1	1.01
5-17	6,267		6,274	475.1	1.01
18-49	6,950		6,952	521.7	1.00
50-64	3,056		3,057	227.5	1.00
65+	3,869		3,869	283.5	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	2,465		2,473	187.7	1.01
5-17	6,306		6,314	478.8	1.01
18-49	7,046		7,048	531.8	1.00
50-64	3,160		3,161	238.7	1.00
65+	4,135		4,135	313.8	1.00
<b>Death</b>					
6 Months - 4	2,465		2,473	187.7	1.01
5-17	6,306		6,314	478.8	1.01
18-49	7,046		7,048	531.8	1.00
50-64	3,159		3,160	238.7	1.00
65+	4,135		4,135	313.0	1.00
<b>Discharge from hospital alive</b>					
6 Months - 4	2,443		2,451	185.5	1.01
5-17	6,285		6,292	476.7	1.01
18-49	6,991		6,993	523.6	1.00
50-64	3,102		3,103	230.3	1.00
65+	3,987		3,987	291.1	1.00
<b>ILI - Treated 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	2,831		2,842	213.1	1.01
5-17	7,291		7,300	548.3	1.01
18-49	8,185		8,188	606.0	1.00
50-64	3,994		3,997	291.6	1.00
65+	6,254		6,254	444.2	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	2,895		2,906	218.4	1.01
5-17	7,390		7,400	556.4	1.01
18-49	8,528		8,535	636.0	1.00
50-64	4,707		4,710	345.7	1.00
65+	8,762		8,769	637.7	1.00
<b>Supplemental oxygen</b>					
6 Months - 4	2,783		2,793	208.7	1.01
5-17	7,192		7,201	539.9	1.01
18-49	8,029		8,034	595.0	1.00
50-64	4,055		4,058	295.9	1.00
65+	7,060		7,065	500.8	1.00
<b>Mechanical ventilation</b>					
6 Months - 4	2,894		2,905	218.4	1.01
5-17	7,385		7,395	556.0	1.01
18-49	8,525		8,532	636.7	1.00
50-64	4,691		4,694	346.6	1.00
65+	8,724		8,731	636.3	1.00
<b>Critical Care</b>					
6 Months - 4	2,844		2,855	214.2	1.01
5-17	7,293		7,302	548.6	1.01
18-49	8,165		8,169	607.4	1.00
50-64	3,982		3,983	291.7	1.00
65+	6,232		6,232	446.3	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	2,895		2,906	218.4	1.01
5-17	7,390		7,400	556.4	1.01
18-49	8,532		8,539	637.3	1.00
50-64	4,711		4,714	348.6	1.00
65+	8,776		8,783	642.5	1.00
<b>Death</b>					
6 Months - 4	2,895		2,906	218.4	1.01
5-17	7,390		7,400	556.4	1.01
18-49	8,532		8,539	637.3	1.00
50-64	4,710		4,713	348.5	1.00
65+	8,776		8,783	640.6	1.00
<b>Discharge from hospital alive</b>					
6 Months - 4	2,840		2,851	213.9	1.01
5-17	7,303		7,312	549.6	1.01
18-49	8,208		8,211	609.0	1.00
50-64	4,049		4,052	296.7	1.00
65+	6,511		6,511	463.3	1.00
<b>ILI - NOT Treated 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	30,125		30,858	2,002.1	0.00
5-17	89,932		91,097	5,921.3	0.00
18-49	92,640		93,818	6,050.7	0.00
50-64	42,164		43,008	2,762.6	0.00
65+	30,534		31,913	2,018.7	0.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	30,295		31,036	2,016.0	0.00
5-17	90,149		91,325	5,940.1	0.00
18-49	93,320		94,513	6,103.8	0.00
50-64	43,342		44,242	2,850.4	0.00
65+	35,984		37,549	2,408.9	0.00
<b>Supplemental oxygen</b>					
6 Months - 4	29,572		30,254	1,958.3	0.00
5-17	88,794		89,943	5,841.6	0.00
18-49	90,678		91,831	5,922.4	0.00
50-64	41,135		41,995	2,696.7	0.00
65+	32,906		34,385	2,177.3	0.00
<b>Mechanical ventilation</b>					
6 Months - 4	30,283		31,023	2,015.2	0.00
5-17	90,136		91,309	5,939.4	0.00
18-49	93,314		94,509	6,111.4	0.00
50-64	43,279		44,175	2,855.9	0.00
65+	35,384		36,946	2,379.1	0.00
<b>Critical Care</b>					
6 Months - 4	30,169		30,905	2,006.3	0.00
5-17	89,976		91,141	5,926.2	0.00
18-49	92,676		93,858	6,060.0	0.00
50-64	42,098		42,935	2,761.4	0.00
65+	30,227		31,617	2,008.6	0.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	30,295		31,036	2,016.2	0.00
5-17	90,149		91,324	5,940.6	0.00
18-49	93,393		94,592	6,117.2	0.00
50-64	43,453		44,355	2,868.8	0.00
65+	36,058		37,645	2,427.3	0.00
<b>Death</b>					
6 Months - 4	30,295		31,036	2,016.2	0.00
5-17	90,151		91,328	5,940.8	0.00
18-49	93,386		94,586	6,116.5	0.00
50-64	43,429		44,330	2,866.2	0.00
65+	35,850		37,433	2,401.3	0.00
<b>Discharge from hospital alive</b>					
6 Months - 4	30,150		30,883	2,004.4	0.00
5-17	89,957		91,125	5,923.8	0.00
18-49	92,723		93,905	6,058.6	0.00
50-64	42,316		43,161	2,773.7	0.00
65+	31,238		32,639	2,065.8	0.00
<b>ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	236		236		
5-17	323		324		
18-49	1,110		1,114		
50-64	2,049		2,056		
65+	8,266		8,285		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	0		0		
5-17	3		3		
18-49	83		84		
50-64	120		120		
65+	104		109		
<b>Supplemental oxygen</b>					
6 Months - 4	894		898		
5-17	1,568		1,571		
18-49	3,263		3,270		
50-64	3,026		3,030		
65+	4,925		4,947		
<b>Mechanical ventilation</b>					
6 Months - 4	13		13		
5-17	21		22		
18-49	94		94		
50-64	205		205		
65+	765		765		
<b>Critical Care</b>					
6 Months - 4	173		173		
5-17	273		276		
18-49	1,080		1,084		
50-64	2,113		2,132		
65+	8,567		8,600		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	0		0		
5-17	4		4		
18-49	3		3		
50-64	2		2		
65+	4		4		
<b>Death</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	10		10		
50-64	31		31		
65+	248		248		
<b>Discharge from hospital alive</b>					
6 Months - 4	205		205		
5-17	288		289		
18-49	1,006		1,010		
50-64	1,852		1,857		
65+	7,268		7,287		
<b>ILI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	5		5		
5-17	6		6		
18-49	20		20		
50-64	33		33		
65+	61		61		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	0		0		
5-17	1		1		
18-49	20		20		
50-64	22		22		
65+	14		14		
<b>Supplemental oxygen</b>					
6 Months - 4	499		499		
5-17	1,161		1,161		
18-49	2,176		2,179		
50-64	1,722		1,722		
65+	1,426		1,426		
<b>Mechanical ventilation</b>					
6 Months - 4	0		0		
5-17	1		1		
18-49	0		0		
50-64	3		3		
65+	5		5		
<b>Critical Care</b>					
6 Months - 4	10		10		
5-17	13		13		
18-49	44		44		
50-64	59		59		
65+	84		84		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	0		0		
5-17	1		1		
18-49	0		0		
50-64	0		0		
65+	0		0		
<b>Death</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	1		1		
50-64	0		0		
65+	0		0		
<b>Discharge from hospital alive</b>					
6 Months - 4	5		5		
5-17	5		5		
18-49	19		19		
50-64	33		33		
65+	51		51		
<b>ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	8		8		
5-17	10		10		
18-49	19		19		
50-64	27		27		
65+	39		39		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	3		3		
50-64	0		0		
65+	5		5		
<b>Supplemental oxygen</b>					
6 Months - 4	7		7		
5-17	20		20		
18-49	27		27		
50-64	25		25		
65+	53		53		
<b>Mechanical ventilation</b>					
6 Months - 4	1		1		
5-17	2		2		
18-49	0		0		
50-64	0		0		
65+	4		4		
<b>Critical Care</b>					
6 Months - 4	10		10		
5-17	10		10		
18-49	29		29		
50-64	35		35		
65+	52		52		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	0		0		
<b>Death</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	1		1		
65+	0		0		
<b>Discharge from hospital alive</b>					
6 Months - 4	5		5		
5-17	5		5		
18-49	12		12		
50-64	15		15		
65+	35		35		
<b>P and I - Treated Day of Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	33,909		34,326	2,684.4	1.02
5-17	118,110		119,015	9,342.3	1.02
18-49	135,741		136,147	10,599.7	1.01
50-64	58,181		58,342	4,529.7	1.01
65+	27,826		27,883	2,131.2	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	33,914		34,331	2,691.3	1.02
5-17	118,112		119,017	9,352.4	1.02
18-49	135,742		136,148	10,624.0	1.01
50-64	58,196		58,357	4,543.0	1.01
65+	27,893		27,950	2,182.6	1.00
<b>Supplemental oxygen</b>					
6 Months - 4	33,428		33,832	2,636.5	1.02
5-17	116,963		117,852	9,235.3	1.02
18-49	133,572		133,959	10,418.6	1.01
50-64	56,493		56,645	4,389.5	1.01
65+	26,484		26,533	2,043.5	1.00
<b>Mechanical ventilation</b>					
6 Months - 4	33,914		34,331	2,691.1	1.02
5-17	118,112		119,017	9,352.8	1.02
18-49	135,762		136,168	10,642.9	1.01
50-64	58,215		58,376	4,567.2	1.01
65+	27,897		27,954	2,193.8	1.00
<b>Critical Care</b>					
6 Months - 4	33,904		34,321	2,687.1	1.02
5-17	118,101		119,006	9,345.7	1.02
18-49	135,714		136,120	10,612.7	1.01
50-64	58,157		58,318	4,535.7	1.01
65+	27,811		27,868	2,140.5	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	33,914		34,331	2,691.3	1.02
5-17	118,112		119,017	9,352.9	1.02
18-49	135,762		136,168	10,644.0	1.01
50-64	58,218		58,379	4,569.8	1.01
65+	27,907		27,964	2,198.4	1.00
<b>Death</b>					
6 Months - 4	33,914		34,331	2,691.3	1.02
5-17	118,113		119,018	9,353.0	1.02
18-49	135,762		136,168	10,644.0	1.01
50-64	58,218		58,379	4,569.6	1.01
65+	27,907		27,964	2,196.4	1.00
<b>Discharge from hospital alive</b>					
6 Months - 4	33,909		34,326	2,686.3	1.02
5-17	118,111		119,016	9,344.1	1.02
18-49	135,742		136,148	10,604.2	1.01
50-64	58,181		58,342	4,532.5	1.01
65+	27,840		27,897	2,138.0	1.00
<b>P and I - Treated After Day of Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	2,454		2,462	186.3	1.01
5-17	6,299		6,307	477.6	1.01
18-49	7,048		7,050	526.6	1.00
50-64	3,148		3,149	232.8	1.00
65+	4,036		4,036	293.3	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	2,480		2,488	188.8	1.01
5-17	6,326		6,335	480.5	1.01
18-49	7,114		7,116	536.0	1.00
50-64	3,221		3,222	242.0	1.00
65+	4,215		4,216	318.1	1.00
<b>Supplemental oxygen</b>					
6 Months - 4	2,394		2,401	181.1	1.01
5-17	6,168		6,176	466.8	1.01
18-49	6,718		6,720	503.1	1.00
50-64	2,846		2,847	211.9	1.00
65+	3,483		3,484	259.1	1.00
<b>Mechanical ventilation</b>					
6 Months - 4	2,479		2,487	188.7	1.01
5-17	6,325		6,334	480.4	1.01
18-49	7,115		7,117	536.9	1.00
50-64	3,223		3,224	243.1	1.00
65+	4,214		4,215	318.9	1.00
<b>Critical Care</b>					
6 Months - 4	2,451		2,459	186.2	1.01
5-17	6,288		6,296	476.9	1.01
18-49	7,019		7,021	526.7	1.00
50-64	3,116		3,117	232.0	1.00
65+	3,961		3,962	290.7	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	2,480		2,488	188.8	1.01
5-17	6,326		6,335	480.5	1.01
18-49	7,116		7,118	537.0	1.00
50-64	3,223		3,224	243.5	1.00
65+	4,217		4,218	320.2	1.00
<b>Death</b>					
6 Months - 4	2,480		2,488	188.8	1.01
5-17	6,326		6,335	480.5	1.01
18-49	7,116		7,118	537.0	1.00
50-64	3,222		3,223	243.5	1.00
65+	4,217		4,218	319.5	1.00
<b>Discharge from hospital alive</b>					
6 Months - 4	2,457		2,465	186.6	1.01
5-17	6,304		6,312	478.2	1.01
18-49	7,057		7,059	528.3	1.00
50-64	3,160		3,161	234.5	1.00
65+	4,052		4,052	295.7	1.00
<b>P and I - Treated 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	2,867		2,878	215.7	1.01
5-17	7,355		7,365	553.0	1.01
18-49	8,340		8,343	616.9	1.00
50-64	4,119		4,122	300.7	1.00
65+	6,468		6,468	459.5	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	2,939		2,950	221.6	1.01
5-17	7,459		7,470	561.6	1.01
18-49	8,736		8,742	650.6	1.00
50-64	4,960		4,963	363.3	1.00
65+	9,492		9,498	688.5	1.00
<b>Supplemental oxygen</b>					
6 Months - 4	2,821		2,831	211.3	1.01
5-17	7,251		7,261	544.2	1.01
18-49	8,209		8,213	607.5	1.00
50-64	4,270		4,273	310.9	1.00
65+	7,697		7,703	545.0	1.00
<b>Mechanical ventilation</b>					
6 Months - 4	2,938		2,949	221.6	1.01
5-17	7,454		7,465	561.2	1.01
18-49	8,731		8,737	651.3	1.00
50-64	4,935		4,938	363.9	1.00
65+	9,430		9,436	685.9	1.00
<b>Critical Care</b>					
6 Months - 4	2,883		2,894	217.0	1.01
5-17	7,362		7,372	553.7	1.01
18-49	8,352		8,356	620.6	1.00
50-64	4,162		4,163	304.7	1.00
65+	6,721		6,723	481.0	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	2,939		2,950	221.6	1.01
5-17	7,459		7,470	561.6	1.01
18-49	8,740		8,746	652.0	1.00
50-64	4,966		4,969	366.7	1.00
65+	9,512		9,518	694.0	1.00
<b>Death</b>					
6 Months - 4	2,939		2,950	221.6	1.01
5-17	7,459		7,470	561.6	1.01
18-49	8,740		8,746	652.0	1.00
50-64	4,965		4,968	366.5	1.00
65+	9,512		9,518	691.9	1.00
<b>Discharge from hospital alive</b>					
6 Months - 4	2,878		2,889	216.6	1.01
5-17	7,367		7,377	554.3	1.01
18-49	8,367		8,370	620.1	1.00
50-64	4,175		4,178	305.8	1.00
65+	6,761		6,762	480.7	1.00
<b>P and I - NOT Treated 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	87,903		93,897	6,018.0	0.00
5-17	173,630		180,383	11,604.8	0.00
18-49	210,034		222,664	14,121.2	0.00
50-64	171,824		195,942	12,160.0	0.00
65+	273,434		335,843	20,211.7	0.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	89,988		96,420	6,191.7	0.00
5-17	175,236		182,291	11,743.0	0.00
18-49	219,323		234,152	14,918.6	0.00
50-64	197,130		229,018	14,392.2	0.00
65+	373,826		467,417	28,984.7	0.00
<b>Supplemental oxygen</b>					
6 Months - 4	79,647		84,498	5,392.2	0.00
5-17	162,786		168,730	10,830.7	0.00
18-49	202,419		215,437	13,667.0	0.00
50-64	178,279		206,064	12,815.9	0.00
65+	338,451		419,729	25,468.5	0.00
<b>Mechanical ventilation</b>					
6 Months - 4	89,871		96,269	6,182.5	0.00
5-17	175,092		182,118	11,733.2	0.00
18-49	218,301		232,909	14,871.6	0.00
50-64	193,337		224,036	14,148.2	0.00
65+	360,878		450,586	28,012.7	0.00
<b>Critical Care</b>					
6 Months - 4	88,689		94,851	6,083.9	0.00
5-17	174,109		180,923	11,646.8	0.00
18-49	209,718		222,346	14,129.9	0.00
50-64	169,294		193,185	12,046.2	0.00
65+	264,311		326,704	19,845.5	0.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	89,991		96,429	6,193.4	0.00
5-17	175,244		182,320	11,747.5	0.00
18-49	219,555		234,528	14,981.1	0.00
50-64	197,749		230,127	14,565.4	0.00
65+	374,590		468,945	29,245.9	0.00
<b>Death</b>					
6 Months - 4	89,989		96,427	6,193.3	0.00
5-17	175,246		182,322	11,747.6	0.00
18-49	219,439		234,404	14,968.2	0.00
50-64	196,893		229,121	14,467.1	0.00
65+	367,582		460,872	28,390.4	0.00
<b>Discharge from hospital alive</b>					
6 Months - 4	88,137		94,188	6,039.9	0.00
5-17	173,783		180,567	11,620.1	0.00
18-49	211,221		224,122	14,228.2	0.00
50-64	175,436		200,444	12,456.8	0.00
65+	291,717		357,675	21,547.1	0.00
<b>P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	2,567		2,631		
5-17	2,018		2,064		
18-49	11,985		12,514		
50-64	33,552		35,801		
65+	129,884		138,958		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	10		11		
5-17	32		39		
18-49	376		432		
50-64	1,025		1,179		
65+	1,384		1,619		
<b>Supplemental oxygen</b>					
6 Months - 4	11,928		12,201		
5-17	13,775		13,950		
18-49	19,621		19,926		
50-64	24,404		25,243		
65+	49,356		51,848		
<b>Mechanical ventilation</b>					
6 Months - 4	156		163		
5-17	211		218		
18-49	1,684		1,727		
50-64	6,183		6,401		
65+	18,668		19,094		
<b>Critical Care</b>					
6 Months - 4	1,600		1,648		
5-17	1,469		1,507		
18-49	12,209		12,868		
50-64	35,836		38,663		
65+	137,553		148,326		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	2		2		
5-17	9		9		
18-49	45		45		
50-64	48		49		
65+	52		52		
<b>Death</b>					
6 Months - 4	6		6		
5-17	8		8		
18-49	208		208		
50-64	1,300		1,300		
65+	9,280		9,280		
<b>Discharge from hospital alive</b>					
6 Months - 4	2,269		2,331		
5-17	1,826		1,869		
18-49	10,583		10,997		
50-64	29,296		31,029		
65+	109,182		115,988		
<b>P and I - Excluded: Outcome and Treatment, on Day of Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	5		5		
5-17	3		3		
18-49	21		21		
50-64	37		37		
65+	81		81		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	0		0		
5-17	1		1		
18-49	20		20		
50-64	22		22		
65+	14		14		
<b>Supplemental oxygen</b>					
6 Months - 4	500		500		
5-17	1,167		1,167		
18-49	2,209		2,212		
50-64	1,736		1,736		
65+	1,433		1,433		
<b>Mechanical ventilation</b>					
6 Months - 4	0		0		
5-17	1		1		
18-49	1		1		
50-64	3		3		
65+	10		10		
<b>Critical Care</b>					
6 Months - 4	10		10		
5-17	12		12		
18-49	48		48		
50-64	61		61		
65+	96		96		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	0		0		
5-17	1		1		
18-49	0		0		
50-64	0		0		
65+	0		0		
<b>Death</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	1		1		
50-64	0		0		
65+	0		0		
<b>Discharge from hospital alive</b>					
6 Months - 4	5		5		
5-17	2		2		
18-49	20		20		
50-64	37		37		
65+	67		67		
<b>P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	8		8		
5-17	13		13		
18-49	22		22		
50-64	28		28		
65+	45		45		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	3		3		
50-64	1		1		
65+	7		7		
<b>Supplemental oxygen</b>					
6 Months - 4	9		9		
5-17	25		25		
18-49	36		36		
50-64	33		33		
65+	66		66		
<b>Mechanical ventilation</b>					
6 Months - 4	1		1		
5-17	2		2		
18-49	0		0		
50-64	0		0		
65+	2		2		
<b>Critical Care</b>					
6 Months - 4	10		10		
5-17	11		11		
18-49	30		30		
50-64	37		37		
65+	53		53		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	0		0		
<b>Death</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	1		1		
65+	0		0		
<b>Discharge from hospital alive</b>					
6 Months - 4	5		5		
5-17	8		8		
18-49	14		14		
50-64	18		18		
65+	40		40		
<b>MAARI - Treated Day of Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	27,281		27,557	2,154.7	1.01
5-17	103,744		104,430	8,198.0	1.01
18-49	131,861		132,256	10,293.1	1.01
50-64	57,390		57,546	4,467.4	1.01
65+	27,353		27,425	2,095.9	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	27,285		27,561	2,160.8	1.01
5-17	103,748		104,434	8,207.1	1.01
18-49	131,863		132,258	10,317.1	1.01
50-64	57,396		57,551	4,478.5	1.01
65+	27,388		27,459	2,144.3	1.00
<b>Supplemental oxygen</b>					
6 Months - 4	26,908		27,174	2,118.5	1.01
5-17	102,748		103,418	8,105.7	1.01
18-49	129,895		130,274	10,128.8	1.01
50-64	55,876		56,028	4,341.2	1.01
65+	26,110		26,175	2,015.1	1.00
<b>Mechanical ventilation</b>					
6 Months - 4	27,285		27,561	2,160.5	1.01
5-17	103,748		104,434	8,207.5	1.01
18-49	131,880		132,275	10,335.6	1.01
50-64	57,418		57,574	4,502.3	1.01
65+	27,397		27,469	2,154.8	1.00
<b>Critical Care</b>					
6 Months - 4	27,277		27,553	2,157.6	1.01
5-17	103,737		104,423	8,201.4	1.01
18-49	131,841		132,236	10,307.0	1.01
50-64	57,367		57,523	4,473.4	1.01
65+	27,313		27,384	2,103.5	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	27,285		27,561	2,160.8	1.01
5-17	103,748		104,434	8,207.7	1.01
18-49	131,880		132,275	10,336.9	1.01
50-64	57,420		57,576	4,504.8	1.01
65+	27,403		27,475	2,159.1	1.00
<b>Death</b>					
6 Months - 4	27,285		27,561	2,160.8	1.01
5-17	103,749		104,435	8,207.8	1.01
18-49	131,880		132,275	10,336.9	1.01
50-64	57,420		57,576	4,504.5	1.01
65+	27,403		27,475	2,157.2	1.00
<b>Discharge from hospital alive</b>					
6 Months - 4	27,281		27,557	2,156.3	1.01
5-17	103,745		104,431	8,199.7	1.01
18-49	131,863		132,258	10,297.2	1.01
50-64	57,390		57,546	4,470.0	1.01
65+	27,361		27,433	2,101.5	1.00
<b>MAARI - Treated After Day of Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	2,489		2,494	188.4	1.01
5-17	7,446		7,453	564.4	1.01
18-49	8,174		8,178	611.1	1.00
50-64	3,482		3,482	257.8	1.00
65+	4,051		4,051	294.8	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	2,510		2,515	190.7	1.01
5-17	7,467		7,475	567.0	1.01
18-49	8,233		8,237	620.3	1.00
50-64	3,541		3,541	265.5	1.00
65+	4,209		4,209	317.3	1.00
<b>Supplemental oxygen</b>					
6 Months - 4	2,434		2,438	183.8	1.01
5-17	7,292		7,299	551.7	1.01
18-49	7,844		7,848	587.9	1.00
50-64	3,186		3,186	236.7	1.00
65+	3,524		3,524	260.3	1.00
<b>Mechanical ventilation</b>					
6 Months - 4	2,508		2,513	190.5	1.01
5-17	7,466		7,474	566.9	1.01
18-49	8,236		8,240	621.5	1.00
50-64	3,543		3,543	266.6	1.00
65+	4,205		4,205	317.6	1.00
<b>Critical Care</b>					
6 Months - 4	2,485		2,490	188.4	1.01
5-17	7,432		7,439	563.6	1.01
18-49	8,145		8,149	611.5	1.00
50-64	3,442		3,442	256.3	1.00
65+	3,968		3,968	291.2	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	2,510		2,515	190.7	1.01
5-17	7,467		7,475	567.0	1.01
18-49	8,236		8,240	621.5	1.00
50-64	3,543		3,543	267.0	1.00
65+	4,210		4,210	319.1	1.00
<b>Death</b>					
6 Months - 4	2,510		2,515	190.7	1.01
5-17	7,467		7,475	567.0	1.01
18-49	8,236		8,240	621.6	1.00
50-64	3,542		3,542	267.0	1.00
65+	4,210		4,210	318.2	1.00
<b>Discharge from hospital alive</b>					
6 Months - 4	2,490		2,495	188.5	1.01
5-17	7,451		7,458	564.9	1.01
18-49	8,183		8,187	613.0	1.00
50-64	3,493		3,493	259.4	1.00
65+	4,070		4,070	297.6	1.00
<b>MAARI - Treated 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	3,719		3,727	274.8	1.01
5-17	11,204		11,217	830.7	1.01
18-49	11,791		11,798	864.3	1.00
50-64	5,402		5,405	390.3	1.00
65+	6,893		6,893	488.6	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	3,771		3,779	279.6	1.01
5-17	11,301		11,315	839.2	1.01
18-49	12,125		12,136	895.0	1.00
50-64	6,067		6,072	442.4	1.00
65+	9,159		9,164	665.5	1.00
<b>Supplemental oxygen</b>					
6 Months - 4	3,633		3,640	267.5	1.01
5-17	11,020		11,033	815.6	1.01
18-49	11,529		11,537	845.7	1.00
50-64	5,368		5,373	388.4	1.00
65+	7,506		7,507	531.3	1.00
<b>Mechanical ventilation</b>					
6 Months - 4	3,769		3,777	279.4	1.01
5-17	11,296		11,310	838.8	1.01
18-49	12,127		12,138	896.4	1.00
50-64	6,058		6,063	443.3	1.00
65+	9,128		9,133	664.4	1.00
<b>Critical Care</b>					
6 Months - 4	3,731		3,738	275.9	1.01
5-17	11,210		11,223	831.5	1.01
18-49	11,778		11,786	866.9	1.00
50-64	5,387		5,388	390.6	1.00
65+	6,885		6,887	492.1	1.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	3,771		3,779	279.6	1.01
5-17	11,301		11,315	839.2	1.01
18-49	12,133		12,144	896.9	1.00
50-64	6,077		6,082	445.6	1.00
65+	9,178		9,183	670.2	1.00
<b>Death</b>					
6 Months - 4	3,771		3,779	279.6	1.01
5-17	11,301		11,315	839.2	1.01
18-49	12,133		12,144	896.9	1.00
50-64	6,076		6,081	445.4	1.00
65+	9,178		9,183	668.1	1.00
<b>Discharge from hospital alive</b>					
6 Months - 4	3,725		3,733	275.4	1.01
5-17	11,216		11,229	831.9	1.01
18-49	11,813		11,820	867.6	1.00
50-64	5,449		5,452	394.8	1.00
65+	7,117		7,119	505.5	1.00
<b>MAARI - NOT Treated 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	834,476		1,227,127	78,085.6	0.00
5-17	1,608,267		2,089,965	133,880.4	0.00
18-49	2,464,719		2,854,696	180,943.4	0.00
50-64	1,102,091		1,260,474	79,905.1	0.00
65+	852,483		990,047	62,454.8	0.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	835,966		1,230,395	78,375.9	0.00
5-17	1,610,105		2,092,901	134,171.5	0.00
18-49	2,469,349		2,860,845	181,559.6	0.00
50-64	1,107,063		1,266,770	80,337.3	0.00
65+	870,288		1,011,859	64,316.8	0.00
<b>Supplemental oxygen</b>					
6 Months - 4	823,088		1,201,703	76,217.8	0.00
5-17	1,591,850		2,062,763	131,990.8	0.00
18-49	2,429,127		2,806,796	177,932.3	0.00
50-64	1,076,435		1,226,938	77,792.0	0.00
65+	835,862		967,432	61,258.2	0.00
<b>Mechanical ventilation</b>					
6 Months - 4	835,902		1,230,246	78,365.1	0.00
5-17	1,610,068		2,092,849	134,173.6	0.00
18-49	2,470,565		2,862,598	181,902.9	0.00
50-64	1,108,772		1,269,268	80,848.3	0.00
65+	870,371		1,012,368	64,594.7	0.00
<b>Critical Care</b>					
6 Months - 4	834,915		1,228,141	78,182.9	0.00
5-17	1,608,793		2,090,801	133,975.0	0.00
18-49	2,465,550		2,855,833	181,237.0	0.00
50-64	1,101,726		1,260,110	79,979.6	0.00
65+	850,952		988,338	62,493.9	0.00

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	835,976		1,230,428	78,380.8	0.00
5-17	1,610,144		2,092,976	134,184.3	0.00
18-49	2,470,875		2,863,038	181,943.1	0.00
50-64	1,109,462		1,270,190	80,935.1	0.00
65+	872,171		1,014,596	64,793.5	0.00
<b>Death</b>					
6 Months - 4	835,974		1,230,426	78,380.8	0.00
5-17	1,610,146		2,092,979	134,184.3	0.00
18-49	2,470,859		2,863,017	181,940.1	0.00
50-64	1,109,353		1,270,070	80,920.6	0.00
65+	871,436		1,013,752	64,678.4	0.00
<b>Discharge from hospital alive</b>					
6 Months - 4	834,687		1,227,635	78,139.2	0.00
5-17	1,608,474		2,090,366	133,930.3	0.00
18-49	2,465,440		2,855,786	181,089.4	0.00
50-64	1,102,843		1,261,472	80,014.1	0.00
65+	855,103		993,207	62,741.2	0.00
<b>MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	3,325		3,391		
5-17	3,088		3,132		
18-49	8,681		8,772		
50-64	10,376		10,520		
65+	26,821		27,129		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	35		37		
5-17	79		83		
18-49	2,199		2,241		
50-64	3,388		3,497		
65+	2,643		2,791		
<b>Supplemental oxygen</b>					
6 Months - 4	27,954		29,201		
5-17	29,854		30,707		
18-49	56,157		57,577		
50-64	43,281		44,521		
65+	47,864		49,366		
<b>Mechanical ventilation</b>					
6 Months - 4	183		188		
5-17	137		139		
18-49	460		460		
50-64	963		976		
65+	2,328		2,337		
<b>Critical Care</b>					
6 Months - 4	2,306		2,354		
5-17	2,260		2,286		
18-49	7,563		7,661		
50-64	10,722		10,917		
65+	28,518		28,928		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	4		4		
5-17	7		7		
18-49	8		8		
50-64	9		9		
65+	10		10		
<b>Death</b>					
6 Months - 4	6		6		
5-17	9		9		
18-49	37		37		
50-64	165		165		
65+	979		979		
<b>Discharge from hospital alive</b>					
6 Months - 4	2,815		2,875		
5-17	2,682		2,721		
18-49	7,583		7,658		
50-64	9,341		9,457		
65+	23,413		23,666		
<b>MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	4		4		
5-17	5		5		
18-49	19		19		
50-64	30		30		
65+	50		50		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	0		0		
5-17	1		1		
18-49	17		17		
50-64	25		25		
65+	16		16		
<b>Supplemental oxygen</b>					
6 Months - 4	388		388		
5-17	1,018		1,018		
18-49	2,001		2,004		
50-64	1,549		1,549		
65+	1,300		1,300		
<b>Mechanical ventilation</b>					
6 Months - 4	0		0		
5-17	1		1		
18-49	0		0		
50-64	2		2		
65+	6		6		
<b>Critical Care</b>					
6 Months - 4	8		8		
5-17	12		12		
18-49	39		39		
50-64	53		53		
65+	91		91		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	0		0		
5-17	1		1		
18-49	0		0		
50-64	0		0		
65+	0		0		
<b>Death</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	1		1		
50-64	0		0		
65+	0		0		
<b>Discharge from hospital alive</b>					
6 Months - 4	4		4		
5-17	4		4		
18-49	17		17		
50-64	30		30		
65+	42		42		
<b>MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
6 Months - 4	6		6		
5-17	13		13		
18-49	20		20		
50-64	28		28		
65+	34		34		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	4		4		
50-64	3		3		
65+	8		8		
<b>Supplemental oxygen</b>					
6 Months - 4	25		25		
5-17	78		78		
18-49	100		100		
50-64	74		74		
65+	92		92		
<b>Mechanical ventilation</b>					
6 Months - 4	1		1		
5-17	2		2		
18-49	0		0		
50-64	0		0		
65+	4		4		
<b>Critical Care</b>					
6 Months - 4	8		8		
5-17	13		13		
18-49	27		27		
50-64	39		39		
65+	41		41		

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	0		0		
65+	0		0		
<b>Death</b>					
6 Months - 4	0		0		
5-17	0		0		
18-49	0		0		
50-64	1		1		
65+	0		0		
<b>Discharge from hospital alive</b>					
6 Months - 4	5		5		
5-17	8		8		
18-49	12		12		
50-64	18		18		
65+	32		32		

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Data are not presented in shaded cells due to their inability to be calculated

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ILI</b>						
<b>Total</b>						
6 Months - 4	3.27	5.83				1,714,894.1
5-17	3.26	5.48				5,837,118.5
18-49	3.09	5.05				17,003,701.0
50-64	2.99	5.03				8,956,641.8
65+	2.48	4.90				7,233,182.6
<b>Treated on Day of Diagnosis</b>						
6 Months - 4	5.94	5.84				
5-17	5.57	5.48				
18-49	5.09	5.06				
50-64	5.09	5.06				
65+	5.11	5.09				
<b>Treated Day After Diagnosis</b>						
6 Months - 4	5.78	5.74				
5-17	5.57	5.53				
18-49	5.07	5.05				
50-64	5.03	5.02				
65+	5.00	4.99				
<b>Treated 1-5 Days After Diagnosis</b>						
6 Months - 4	5.79	5.75				
5-17	5.56	5.52				
18-49	4.99	4.98				
50-64	4.71	4.69				
65+	4.32	4.31				

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>NOT Treated Within 5 Days of Diagnosis</b>						
6 Months - 4	0.00					
5-17	0.00					
18-49	0.00					
50-64	0.00					
65+	0.00					
<b>P and I</b>						
<b>Total</b>						
6 Months - 4	1.74	5.83				1,708,957.8
5-17	2.34	5.48				5,828,802.8
18-49	2.01	5.05				16,990,135.3
50-64	1.22	5.03				8,937,262.7
65+	0.44	4.91				7,185,652.2
<b>Treated on Day of Diagnosis</b>						
6 Months - 4	5.94	5.84				
5-17	5.57	5.48				
18-49	5.09	5.06				
50-64	5.09	5.06				
65+	5.12	5.10				
<b>Treated Day After Diagnosis</b>						
6 Months - 4	5.78	5.74				
5-17	5.57	5.54				
18-49	5.07	5.05				
50-64	5.04	5.03				
65+	5.02	5.01				

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Treated 1-5 Days After Diagnosis</b>						
6 Months - 4	5.79	5.75				
5-17	5.57	5.53				
18-49	4.99	4.97				
50-64	4.72	4.70				
65+	4.34	4.34				
<b>NOT Treated Within 5 Days of Diagnosis</b>						
6 Months - 4	0.00					
5-17	0.00					
18-49	0.00					
50-64	0.00					
65+	0.00					
<b>MAARI</b>						
<b>Total</b>						
6 Months - 4	0.22	5.90				803,635.8
5-17	0.38	5.52				3,270,359.5
18-49	0.28	5.11				8,991,723.3
50-64	0.28	5.08				5,122,865.1
65+	0.20	4.96				1,496,037.5
<b>Treated on Day of Diagnosis</b>						
6 Months - 4	5.98	5.90				
5-17	5.60	5.51				
18-49	5.15	5.11				
50-64	5.13	5.10				
65+	5.14	5.12				

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Treated Day After Diagnosis</b>						
6 Months - 4	5.84	5.80				
5-17	5.63	5.59				
18-49	5.15	5.13				
50-64	5.11	5.11				
65+	5.04	5.03				
<b>Treated 1-5 Days After Diagnosis</b>						
6 Months - 4	6.01	5.97				
5-17	5.68	5.63				
18-49	5.15	5.12				
50-64	4.94	4.92				
65+	4.49	4.48				
<b>NOT Treated Within 5 Days of Diagnosis</b>						
6 Months - 4	0.00					
5-17	0.00					
18-49	0.00					
50-64	0.00					
65+	0.00					
<b>ILI - Treated Day of Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	5.94	5.84	132	3.83	48.99	
5-17	5.57	5.48	223	1.87	23.84	
18-49	5.09	5.06	908	6.68	85.80	
50-64	5.09	5.06	699	12.02	154.82	
65+	5.11	5.09	1,068	38.45	502.92	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Bilevel Positive Airway Pressure (BiPAP)</b>						
6 Months - 4	5.94	5.84	1	0.03	0.37	
5-17	5.57	5.48	11	0.09	1.17	
18-49	5.09	5.06	469	3.45	44.22	
50-64	5.09	5.06	671	11.54	148.22	
65+	5.11	5.09	388	13.95	178.61	
<b>Supplemental oxygen</b>						
6 Months - 4	5.94	5.85	389	11.45	146.98	
5-17	5.57	5.48	524	4.44	56.67	
18-49	5.09	5.06	953	7.12	91.60	
50-64	5.09	5.06	806	14.28	184.22	
65+	5.11	5.10	743	28.13	365.40	
<b>Mechanical ventilation</b>						
6 Months - 4	5.94	5.84	7	0.20	2.59	
5-17	5.57	5.48	2	0.02	0.21	
18-49	5.09	5.06	28	0.21	2.64	
50-64	5.09	5.06	42	0.72	9.23	
65+	5.11	5.09	76	2.73	34.80	
<b>Critical Care</b>						
6 Months - 4	5.94	5.84	69	2.00	25.58	
5-17	5.57	5.48	129	1.08	13.79	
18-49	5.09	5.06	533	3.92	50.30	
50-64	5.09	5.06	538	9.26	119.00	
65+	5.11	5.09	904	32.58	424.03	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Extracorporeal membrane oxygenation (ECMO)</b>						
6 Months - 4	5.94	5.84	0	0.00	0.00	
5-17	5.57	5.48	0	0.00	0.00	
18-49	5.09	5.06	3	0.02	0.28	
50-64	5.09	5.06	0	0.00	0.00	
65+	5.11	5.09	0	0.00	0.00	
<b>Death</b>						
6 Months - 4	5.94	5.84	0	0.00	0.00	
5-17	5.57	5.48	0	0.00	0.00	
18-49	5.09	5.06	5	0.04	0.47	
50-64	5.09	5.06	16	0.28	3.51	
65+	5.11	5.09	68	2.44	31.10	
<b>Discharge from hospital alive</b>						
6 Months - 4	5.94	5.84	92	2.67	34.12	
5-17	5.57	5.48	178	1.49	19.03	
18-49	5.09	5.06	806	5.93	76.13	
50-64	5.09	5.06	645	11.09	142.77	
65+	5.11	5.09	961	34.59	451.22	
<b>ILI - Treated Day After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	5.78	5.74	15	6.13	80.99	
5-17	5.57	5.53	15	2.39	31.51	
18-49	5.07	5.05	122	17.47	233.76	
50-64	5.04	5.03	90	29.12	393.87	
65+	5.02	5.01	256	64.52	887.66	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	5.78	5.74	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	5.07	5.05	26	3.69	48.98	
50-64	5.03	5.02	32	10.13	134.79	
65+	5.00	4.99	45	10.89	144.28	
<b>Supplemental oxygen</b>						
6 Months - 4	5.78	5.75	24	10.05	133.19	
5-17	5.58	5.54	30	4.87	64.46	
18-49	5.07	5.05	75	11.26	150.36	
50-64	5.05	5.04	52	18.65	250.72	
65+	5.03	5.03	111	32.65	440.83	
<b>Mechanical ventilation</b>						
6 Months - 4	5.78	5.74	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	5.07	5.05	3	0.43	5.64	
50-64	5.03	5.02	7	2.21	29.37	
65+	5.00	4.99	24	5.81	76.85	
<b>Critical Care</b>						
6 Months - 4	5.78	5.74	9	3.68	48.62	
5-17	5.57	5.53	11	1.75	23.15	
18-49	5.07	5.05	59	8.49	113.09	
50-64	5.04	5.03	64	20.94	281.32	
65+	5.03	5.02	203	52.47	716.05	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	5.78	5.74	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	5.07	5.05	1	0.14	1.88	
50-64	5.03	5.02	0	0.00	0.00	
65+	5.00	4.99	0	0.00	0.00	
<b>Death</b>						
6 Months - 4	5.78	5.74	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	5.07	5.05	2	0.28	3.76	
50-64	5.03	5.02	1	0.32	4.19	
65+	5.00	4.99	37	8.95	118.21	
<b>Discharge from hospital alive</b>						
6 Months - 4	5.78	5.74	12	4.90	64.69	
5-17	5.57	5.53	10	1.59	20.98	
18-49	5.07	5.05	92	13.16	175.71	
50-64	5.04	5.03	73	23.53	316.98	
65+	5.02	5.01	223	55.93	766.06	
<b>ILI - Treated 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	5.79	5.75	17	5.98	79.77	
5-17	5.58	5.54	17	2.33	31.00	
18-49	5.04	5.02	149	18.20	245.87	
50-64	4.92	4.91	127	31.77	435.53	
65+	4.65	4.65	415	66.36	934.26	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	5.79	5.75	0	0.00	0.00	
5-17	5.56	5.52	0	0.00	0.00	
18-49	4.99	4.98	34	3.98	53.46	
50-64	4.71	4.70	75	15.92	216.95	
65+	4.32	4.31	97	11.06	152.11	
<b>Supplemental oxygen</b>						
6 Months - 4	5.80	5.76	31	11.10	148.54	
5-17	5.57	5.54	34	4.72	62.97	
18-49	5.00	4.98	97	12.07	163.03	
50-64	4.74	4.73	88	21.69	297.40	
65+	4.33	4.32	294	41.61	587.06	
<b>Mechanical ventilation</b>						
6 Months - 4	5.79	5.75	0	0.00	0.00	
5-17	5.56	5.53	0	0.00	0.00	
18-49	5.00	4.98	4	0.47	6.28	
50-64	4.72	4.70	10	2.13	28.85	
65+	4.32	4.31	63	7.22	99.01	
<b>Critical Care</b>						
6 Months - 4	5.78	5.74	10	3.50	46.69	
5-17	5.57	5.54	11	1.51	20.05	
18-49	5.04	5.02	70	8.57	115.25	
50-64	4.89	4.88	101	25.36	346.25	
65+	4.63	4.62	323	51.83	723.73	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	5.79	5.75	0	0.00	0.00	
5-17	5.56	5.52	0	0.00	0.00	
18-49	4.99	4.98	1	0.12	1.57	
50-64	4.71	4.69	0	0.00	0.00	
65+	4.32	4.31	0	0.00	0.00	
<b>Death</b>						
6 Months - 4	5.79	5.75	0	0.00	0.00	
5-17	5.56	5.52	0	0.00	0.00	
18-49	4.99	4.98	2	0.23	3.14	
50-64	4.71	4.69	4	0.85	11.48	
65+	4.32	4.31	78	8.88	121.76	
<b>Discharge from hospital alive</b>						
6 Months - 4	5.79	5.74	13	4.56	60.78	
5-17	5.57	5.54	10	1.37	18.20	
18-49	5.04	5.02	111	13.52	182.27	
50-64	4.91	4.90	107	26.41	360.63	
65+	4.60	4.60	384	58.98	828.84	
<b>ILI - NOT Treated 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	0.00		69	2.24	34.46	
5-17	0.00		136	1.49	22.97	
18-49	0.00		525	5.60	86.77	
50-64	0.00		528	12.28	191.12	
65+	0.00		1,175	36.82	582.06	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	0.00		4	0.13	1.98	
5-17	0.00		16	0.18	2.69	
18-49	0.00		257	2.72	42.10	
50-64	0.00		361	8.16	126.65	
65+	0.00		349	9.29	144.88	
<b>Supplemental oxygen</b>						
6 Months - 4	0.00		218	7.21	111.32	
5-17	0.00		253	2.81	43.31	
18-49	0.00		404	4.40	68.22	
50-64	0.00		463	11.03	171.69	
65+	0.00		947	27.54	434.94	
<b>Mechanical ventilation</b>						
6 Months - 4	0.00		2	0.06	0.99	
5-17	0.00		8	0.09	1.35	
18-49	0.00		21	0.22	3.44	
50-64	0.00		58	1.31	20.31	
65+	0.00		182	4.93	76.50	
<b>Critical Care</b>						
6 Months - 4	0.00		41	1.33	20.44	
5-17	0.00		77	0.84	12.99	
18-49	0.00		294	3.13	48.51	
50-64	0.00		425	9.90	153.91	
65+	0.00		993	31.41	494.37	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	0.00		0	0.00	0.00	
5-17	0.00		0	0.00	0.00	
18-49	0.00		0	0.00	0.00	
50-64	0.00		1	0.02	0.35	
65+	0.00		0	0.00	0.00	
<b>Death</b>						
6 Months - 4	0.00		0	0.00	0.00	
5-17	0.00		0	0.00	0.00	
18-49	0.00		12	0.13	1.96	
50-64	0.00		64	1.44	22.33	
65+	0.00		666	17.79	277.35	
<b>Discharge from hospital alive</b>						
6 Months - 4	0.00		49	1.59	24.45	
5-17	0.00		111	1.22	18.74	
18-49	0.00		436	4.64	71.96	
50-64	0.00		481	11.14	173.41	
65+	0.00		1,068	32.72	516.99	
<b>ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Supplemental oxygen</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Mechanical ventilation</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Critical Care</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Death</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Discharge from hospital alive</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>ILI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Supplemental oxygen</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Mechanical ventilation</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Critical Care</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Death</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Discharge from hospital alive</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Supplemental oxygen</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Mechanical ventilation</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Critical Care</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Death</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Discharge from hospital alive</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>P and I - Treated Day of Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	5.94	5.84	128	3.73	47.68	
5-17	5.57	5.48	221	1.86	23.66	
18-49	5.09	5.06	915	6.72	86.32	
50-64	5.09	5.06	714	12.24	157.63	
65+	5.11	5.10	1,086	38.95	509.57	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	5.94	5.84	1	0.03	0.37	
5-17	5.57	5.48	11	0.09	1.18	
18-49	5.09	5.06	469	3.44	44.15	
50-64	5.09	5.06	672	11.52	147.92	
65+	5.12	5.10	389	13.92	178.23	
<b>Supplemental oxygen</b>						
6 Months - 4	5.94	5.85	384	11.35	145.65	
5-17	5.57	5.48	524	4.45	56.74	
18-49	5.09	5.06	961	7.17	92.24	
50-64	5.09	5.06	821	14.49	187.04	
65+	5.12	5.10	736	27.74	360.17	
<b>Mechanical ventilation</b>						
6 Months - 4	5.94	5.84	5	0.15	1.86	
5-17	5.57	5.48	2	0.02	0.21	
18-49	5.09	5.06	26	0.19	2.44	
50-64	5.09	5.06	41	0.70	8.98	
65+	5.12	5.10	74	2.65	33.73	
<b>Critical Care</b>						
6 Months - 4	5.94	5.84	66	1.92	24.56	
5-17	5.57	5.48	129	1.08	13.80	
18-49	5.09	5.06	537	3.95	50.60	
50-64	5.09	5.06	555	9.52	122.36	
65+	5.11	5.10	915	32.83	427.47	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	5.94	5.84	0	0.00	0.00	
5-17	5.57	5.48	0	0.00	0.00	
18-49	5.09	5.06	3	0.02	0.28	
50-64	5.09	5.06	0	0.00	0.00	
65+	5.12	5.10	0	0.00	0.00	
<b>Death</b>						
6 Months - 4	5.94	5.84	0	0.00	0.00	
5-17	5.57	5.48	0	0.00	0.00	
18-49	5.09	5.06	5	0.04	0.47	
50-64	5.09	5.06	16	0.27	3.50	
65+	5.12	5.10	74	2.65	33.69	
<b>Discharge from hospital alive</b>						
6 Months - 4	5.94	5.84	90	2.62	33.50	
5-17	5.57	5.48	177	1.49	18.94	
18-49	5.09	5.06	813	5.97	76.67	
50-64	5.09	5.06	659	11.30	145.39	
65+	5.12	5.10	976	34.99	456.50	
<b>P and I - Treated After Day of Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	5.78	5.75	14	5.69	75.15	
5-17	5.57	5.54	16	2.54	33.50	
18-49	5.07	5.05	123	17.45	233.57	
50-64	5.04	5.03	91	28.90	390.89	
65+	5.04	5.03	262	64.92	893.28	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	5.78	5.74	0	0.00	0.00	
5-17	5.57	5.54	0	0.00	0.00	
18-49	5.07	5.05	26	3.65	48.51	
50-64	5.04	5.03	32	9.93	132.23	
65+	5.02	5.01	48	11.39	150.90	
<b>Supplemental oxygen</b>						
6 Months - 4	5.79	5.75	26	10.83	143.57	
5-17	5.58	5.54	31	5.02	66.41	
18-49	5.07	5.05	75	11.16	149.08	
50-64	5.06	5.05	51	17.91	240.68	
65+	5.05	5.04	103	29.56	397.53	
<b>Mechanical ventilation</b>						
6 Months - 4	5.78	5.74	0	0.00	0.00	
5-17	5.57	5.54	0	0.00	0.00	
18-49	5.07	5.05	3	0.42	5.59	
50-64	5.04	5.03	6	1.86	24.68	
65+	5.02	5.01	22	5.22	68.99	
<b>Critical Care</b>						
6 Months - 4	5.78	5.74	9	3.66	48.34	
5-17	5.57	5.54	11	1.75	23.07	
18-49	5.07	5.05	60	8.55	113.92	
50-64	5.05	5.04	64	20.53	275.86	
65+	5.05	5.04	197	49.72	677.67	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	5.78	5.74	0	0.00	0.00	
5-17	5.57	5.54	0	0.00	0.00	
18-49	5.07	5.05	1	0.14	1.86	
50-64	5.04	5.03	0	0.00	0.00	
65+	5.02	5.01	0	0.00	0.00	
<b>Death</b>						
6 Months - 4	5.78	5.74	0	0.00	0.00	
5-17	5.57	5.54	0	0.00	0.00	
18-49	5.07	5.05	2	0.28	3.72	
50-64	5.04	5.03	1	0.31	4.11	
65+	5.02	5.01	30	7.11	93.90	
<b>Discharge from hospital alive</b>						
6 Months - 4	5.78	5.75	12	4.87	64.31	
5-17	5.57	5.54	11	1.74	23.00	
18-49	5.07	5.05	94	13.32	177.93	
50-64	5.04	5.03	75	23.73	319.83	
65+	5.04	5.03	232	57.26	784.58	
<b>P and I - Treated 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	5.80	5.76	17	5.91	78.81	
5-17	5.58	5.55	19	2.58	34.36	
18-49	5.05	5.03	154	18.46	249.64	
50-64	4.95	4.94	130	31.54	432.32	
65+	4.72	4.72	431	66.64	937.98	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	5.79	5.75	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	4.99	4.98	35	4.00	53.80	
50-64	4.72	4.70	82	16.52	225.71	
65+	4.35	4.34	105	11.05	152.51	
<b>Supplemental oxygen</b>						
6 Months - 4	5.80	5.76	33	11.66	156.18	
5-17	5.58	5.55	36	4.96	66.15	
18-49	5.00	4.98	100	12.18	164.61	
50-64	4.75	4.74	91	21.30	292.70	
65+	4.37	4.36	313	40.63	574.31	
<b>Mechanical ventilation</b>						
6 Months - 4	5.79	5.75	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	5.00	4.98	4	0.46	6.14	
50-64	4.73	4.71	11	2.23	30.23	
65+	4.35	4.34	59	6.25	86.02	
<b>Critical Care</b>						
6 Months - 4	5.79	5.75	11	3.80	50.69	
5-17	5.58	5.55	12	1.63	21.67	
18-49	5.04	5.02	74	8.86	119.24	
50-64	4.91	4.90	104	24.98	341.32	
65+	4.66	4.65	330	49.09	686.07	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	5.79	5.75	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	4.99	4.97	1	0.11	1.53	
50-64	4.72	4.70	0	0.00	0.00	
65+	4.34	4.34	0	0.00	0.00	
<b>Death</b>						
6 Months - 4	5.79	5.75	0	0.00	0.00	
5-17	5.57	5.53	0	0.00	0.00	
18-49	4.99	4.97	2	0.23	3.07	
50-64	4.72	4.70	4	0.81	10.91	
65+	4.34	4.34	78	8.19	112.73	
<b>Discharge from hospital alive</b>						
6 Months - 4	5.79	5.75	14	4.85	64.64	
5-17	5.58	5.55	12	1.63	21.65	
18-49	5.05	5.03	117	13.98	188.68	
50-64	4.94	4.93	110	26.33	359.71	
65+	4.67	4.66	403	59.60	838.36	
<b>P and I - NOT Treated 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	0.00		406	4.32	67.46	
5-17	0.00		517	2.87	44.55	
18-49	0.00		3,386	15.21	239.78	
50-64	0.00		8,042	41.04	661.35	
65+	0.00		24,789	73.81	1,226.47	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	0.00		37	0.38	5.98	
5-17	0.00		82	0.45	6.98	
18-49	0.00		1,207	5.15	80.91	
50-64	0.00		3,293	14.38	228.80	
65+	0.00		5,043	10.79	173.99	
<b>Supplemental oxygen</b>						
6 Months - 4	0.00		1,202	14.23	222.91	
5-17	0.00		1,191	7.06	109.97	
18-49	0.00		2,553	11.85	186.80	
50-64	0.00		6,104	29.62	476.28	
65+	0.00		18,834	44.87	739.50	
<b>Mechanical ventilation</b>						
6 Months - 4	0.00		29	0.30	4.69	
5-17	0.00		46	0.25	3.92	
18-49	0.00		380	1.63	25.55	
50-64	0.00		1,670	7.45	118.04	
65+	0.00		5,587	12.40	199.45	
<b>Critical Care</b>						
6 Months - 4	0.00		270	2.85	44.38	
5-17	0.00		334	1.85	28.68	
18-49	0.00		2,548	11.46	180.33	
50-64	0.00		6,568	34.00	545.23	
65+	0.00		20,593	63.03	1,037.67	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	0.00		0	0.00	0.00	
5-17	0.00		1	0.01	0.09	
18-49	0.00		17	0.07	1.13	
50-64	0.00		14	0.06	0.96	
65+	0.00		5	0.01	0.17	
<b>Death</b>						
6 Months - 4	0.00		4	0.04	0.65	
5-17	0.00		8	0.04	0.68	
18-49	0.00		361	1.54	24.12	
50-64	0.00		2,550	11.13	176.26	
65+	0.00		21,514	46.68	757.79	
<b>Discharge from hospital alive</b>						
6 Months - 4	0.00		306	3.25	50.66	
5-17	0.00		423	2.34	36.40	
18-49	0.00		2,797	12.48	196.58	
50-64	0.00		7,015	35.00	563.15	
65+	0.00		21,716	60.71	1,007.84	
<b>P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Supplemental oxygen</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Mechanical ventilation</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Critical Care</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Death</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Discharge from hospital alive</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>P and I - Excluded: Outcome and Treatment, on Day of Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Supplemental oxygen</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Mechanical ventilation</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Critical Care</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Death</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Discharge from hospital alive</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Supplemental oxygen</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Mechanical ventilation</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Critical Care</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Death</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Discharge from hospital alive</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>MAARI - Treated Day of Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	5.98	5.90	108	3.92	50.12	
5-17	5.60	5.51	195	1.87	23.79	
18-49	5.15	5.11	903	6.83	87.73	
50-64	5.13	5.10	679	11.80	151.99	
65+	5.14	5.12	1,056	38.51	503.84	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	5.98	5.90	1	0.04	0.46	
5-17	5.60	5.51	13	0.12	1.58	
18-49	5.15	5.11	459	3.47	44.49	
50-64	5.13	5.10	649	11.28	144.91	
65+	5.14	5.12	348	12.67	162.29	
<b>Supplemental oxygen</b>						
6 Months - 4	5.98	5.90	290	10.67	136.89	
5-17	5.60	5.51	436	4.22	53.79	
18-49	5.15	5.12	938	7.20	92.61	
50-64	5.13	5.10	778	13.89	179.21	
65+	5.14	5.13	732	27.97	363.26	
<b>Mechanical ventilation</b>						
6 Months - 4	5.98	5.90	5	0.18	2.31	
5-17	5.60	5.51	4	0.04	0.49	
18-49	5.15	5.11	29	0.22	2.81	
50-64	5.13	5.10	40	0.69	8.88	
65+	5.14	5.12	73	2.66	33.88	
<b>Critical Care</b>						
6 Months - 4	5.98	5.90	47	1.71	21.78	
5-17	5.60	5.51	112	1.07	13.66	
18-49	5.15	5.11	537	4.06	52.10	
50-64	5.13	5.10	520	9.04	116.24	
65+	5.14	5.12	885	32.32	420.73	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	5.98	5.90	0	0.00	0.00	
5-17	5.60	5.51	0	0.00	0.00	
18-49	5.15	5.11	2	0.02	0.19	
50-64	5.13	5.10	0	0.00	0.00	
65+	5.14	5.12	0	0.00	0.00	
<b>Death</b>						
6 Months - 4	5.98	5.90	0	0.00	0.00	
5-17	5.60	5.51	0	0.00	0.00	
18-49	5.15	5.11	5	0.04	0.48	
50-64	5.13	5.10	16	0.28	3.55	
65+	5.14	5.12	63	2.29	29.20	
<b>Discharge from hospital alive</b>						
6 Months - 4	5.98	5.90	79	2.87	36.64	
5-17	5.60	5.51	157	1.50	19.15	
18-49	5.15	5.11	815	6.16	79.15	
50-64	5.13	5.10	630	10.95	140.94	
65+	5.14	5.12	958	34.92	455.86	
<b>MAARI - Treated After Day of Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	5.85	5.81	16	6.42	84.93	
5-17	5.63	5.59	20	2.68	35.44	
18-49	5.16	5.13	134	16.39	219.28	
50-64	5.12	5.11	82	23.55	318.08	
65+	5.06	5.05	247	60.97	837.86	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	5.84	5.80	0	0.00	0.00	
5-17	5.63	5.59	0	0.00	0.00	
18-49	5.15	5.13	34	4.13	54.81	
50-64	5.11	5.11	35	9.88	131.83	
65+	5.04	5.03	39	9.27	122.91	
<b>Supplemental oxygen</b>						
6 Months - 4	5.85	5.81	23	9.43	125.14	
5-17	5.63	5.59	40	5.48	72.50	
18-49	5.16	5.14	83	10.58	141.18	
50-64	5.14	5.13	54	16.95	228.14	
65+	5.07	5.06	124	35.19	476.37	
<b>Mechanical ventilation</b>						
6 Months - 4	5.84	5.81	0	0.00	0.00	
5-17	5.63	5.59	0	0.00	0.00	
18-49	5.15	5.13	3	0.36	4.83	
50-64	5.11	5.11	7	1.98	26.26	
65+	5.04	5.03	23	5.47	72.42	
<b>Critical Care</b>						
6 Months - 4	5.85	5.81	10	4.02	53.08	
5-17	5.63	5.59	12	1.61	21.29	
18-49	5.16	5.13	68	8.34	111.20	
50-64	5.13	5.12	59	17.14	230.20	
65+	5.07	5.06	196	49.40	673.08	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	5.84	5.80	0	0.00	0.00	
5-17	5.63	5.59	0	0.00	0.00	
18-49	5.15	5.13	1	0.12	1.61	
50-64	5.11	5.11	0	0.00	0.00	
65+	5.04	5.03	0	0.00	0.00	
<b>Death</b>						
6 Months - 4	5.84	5.80	0	0.00	0.00	
5-17	5.63	5.59	0	0.00	0.00	
18-49	5.15	5.13	2	0.24	3.22	
50-64	5.11	5.11	1	0.28	3.75	
65+	5.04	5.03	40	9.50	125.71	
<b>Discharge from hospital alive</b>						
6 Months - 4	5.85	5.81	15	6.01	79.58	
5-17	5.63	5.59	16	2.15	28.32	
18-49	5.16	5.13	101	12.34	164.76	
50-64	5.12	5.11	69	19.75	266.00	
65+	5.06	5.05	214	52.58	719.09	
<b>MAARI - Treated 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	6.01	5.97	22	5.90	80.06	
5-17	5.69	5.64	33	2.94	39.73	
18-49	5.18	5.16	189	16.02	218.67	
50-64	5.11	5.10	147	27.20	376.63	
65+	4.81	4.81	425	61.66	869.83	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	6.01	5.97	0	0.00	0.00	
5-17	5.68	5.63	1	0.09	1.19	
18-49	5.15	5.13	46	3.79	51.40	
50-64	4.94	4.93	81	13.34	183.09	
65+	4.50	4.49	85	9.28	127.72	
<b>Supplemental oxygen</b>						
6 Months - 4	6.02	5.98	44	12.09	164.49	
5-17	5.69	5.64	61	5.53	74.79	
18-49	5.15	5.13	132	11.44	156.08	
50-64	4.98	4.96	107	19.91	275.49	
65+	4.52	4.51	309	41.16	581.59	
<b>Mechanical ventilation</b>						
6 Months - 4	6.01	5.97	0	0.00	0.00	
5-17	5.68	5.64	1	0.09	1.19	
18-49	5.15	5.13	4	0.33	4.46	
50-64	4.95	4.93	15	2.47	33.84	
65+	4.49	4.49	58	6.35	87.30	
<b>Critical Care</b>						
6 Months - 4	6.01	5.97	16	4.28	57.99	
5-17	5.69	5.64	20	1.78	24.05	
18-49	5.18	5.16	93	7.89	107.28	
50-64	5.09	5.08	117	21.71	299.54	
65+	4.80	4.79	336	48.79	682.79	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	6.01	5.97	0	0.00	0.00	
5-17	5.68	5.63	0	0.00	0.00	
18-49	5.15	5.12	1	0.08	1.11	
50-64	4.94	4.92	0	0.00	0.00	
65+	4.49	4.48	0	0.00	0.00	
<b>Death</b>						
6 Months - 4	6.01	5.97	0	0.00	0.00	
5-17	5.68	5.63	0	0.00	0.00	
18-49	5.15	5.12	2	0.16	2.23	
50-64	4.94	4.92	4	0.66	8.98	
65+	4.49	4.48	84	9.15	125.73	
<b>Discharge from hospital alive</b>						
6 Months - 4	6.01	5.97	19	5.09	68.99	
5-17	5.69	5.64	25	2.23	30.05	
18-49	5.18	5.16	144	12.18	165.98	
50-64	5.10	5.09	129	23.66	326.75	
65+	4.77	4.77	395	55.49	781.40	
<b>MAARI - NOT Treated 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4	0.00		2,604	2.12	33.35	
5-17	0.00		3,317	1.59	24.78	
18-49	0.00		14,347	5.03	79.29	
50-64	0.00		12,126	9.62	151.76	
65+	0.00		22,702	22.93	363.49	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4	0.00		97	0.08	1.24	
5-17	0.00		239	0.11	1.78	
18-49	0.00		7,840	2.74	43.18	
50-64	0.00		12,083	9.54	150.40	
65+	0.00		9,589	9.48	149.09	
<b>Supplemental oxygen</b>						
6 Months - 4	0.00		10,460	8.70	137.24	
5-17	0.00		6,976	3.38	52.85	
18-49	0.00		11,343	4.04	63.75	
50-64	0.00		10,304	8.40	132.46	
65+	0.00		13,824	14.29	225.67	
<b>Mechanical ventilation</b>						
6 Months - 4	0.00		132	0.11	1.68	
5-17	0.00		78	0.04	0.58	
18-49	0.00		413	0.14	2.27	
50-64	0.00		953	0.75	11.79	
65+	0.00		2,033	2.01	31.47	
<b>Critical Care</b>						
6 Months - 4	0.00		1,647	1.34	21.07	
5-17	0.00		2,087	1.00	15.58	
18-49	0.00		7,339	2.57	40.49	
50-64	0.00		9,272	7.36	115.93	
65+	0.00		18,771	18.99	300.37	

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4	0.00		2	0.00	0.03	
5-17	0.00		1	0.00	0.01	
18-49	0.00		4	0.00	0.02	
50-64	0.00		8	0.01	0.10	
65+	0.00		3	0.00	0.05	
<b>Death</b>						
6 Months - 4	0.00		10	0.01	0.13	
5-17	0.00		8	0.00	0.06	
18-49	0.00		130	0.05	0.71	
50-64	0.00		479	0.38	5.92	
65+	0.00		3,493	3.45	54.01	
<b>Discharge from hospital alive</b>						
6 Months - 4	0.00		1,947	1.59	24.92	
5-17	0.00		2,578	1.23	19.25	
18-49	0.00		12,015	4.21	66.35	
50-64	0.00		10,730	8.51	134.10	
65+	0.00		19,908	20.04	317.30	
<b>MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Supplemental oxygen</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Mechanical ventilation</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Critical Care</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Death</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Discharge from hospital alive</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Supplemental oxygen</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Mechanical ventilation</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Critical Care</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Death</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Discharge from hospital alive</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Supplemental oxygen</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Mechanical ventilation</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Critical Care</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

**Table 4. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Age Group**

Age Group (Years)	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Death</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						
<b>Discharge from hospital alive</b>						
6 Months - 4						
5-17						
18-49						
50-64						
65+						

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Data are not presented in shaded cells due to their inability to be calculated

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ILI</b>					
<b>Total</b>					
<i>2016</i>					
July	3,316	42,981,261	3,316	0.0	0.27
August	4,181	43,619,402	4,181	0.0	0.30
September	7,830	42,950,897	7,830	0.0	0.35
October	12,033	43,391,621	12,033	0.0	0.39
November	18,145	42,861,869	18,145	0.0	0.45
December	53,913	43,475,353	53,913	0.0	0.56
<i>2017</i>					
January	130,272	39,299,930	130,272	0.0	0.60
February	231,533	38,777,506	231,533	0.0	0.62
March	170,660	38,964,235	170,660	0.0	0.59
April	54,511	39,140,327	54,511	0.0	0.53
May	16,611	39,210,937	16,611	0.0	0.49
June	6,598	39,385,574	6,598	0.0	0.40
<b>Treated on Day of Diagnosis</b>					
<i>2016</i>					
July	800		800	63.2	1.00
August	1,144		1,144	90.1	1.00
September	2,505		2,505	197.1	1.00
October	4,370		4,370	344.8	1.00
November	7,469		7,469	588.4	1.00
December	26,966		26,966	2,004.1	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	71,252		71,252	5,627.3	1.00
February	131,421		131,421	10,365.4	1.00
March	93,056		93,056	7,345.1	1.01
April	26,747		26,747	2,113.1	1.01
May	7,425		7,425	586.4	1.00
June	2,401		2,401	108.9	1.01
<b>Treated Day After Diagnosis</b>					
<b>2016</b>					
July	67		67	5.1	1.00
August	78		78	5.9	1.00
September	163		163	12.5	1.00
October	254		254	19.3	1.00
November	480		480	36.7	1.00
December	2,091		2,091	151.2	1.01
<b>2017</b>					
January	4,737		4,737	361.2	1.00
February	7,858		7,858	599.2	1.00
March	5,296		5,296	403.4	1.00
April	1,518		1,518	115.7	1.00
May	457		457	34.9	1.00
June	132		132	5.7	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Treated 1-5 Days After Diagnosis</b>					
<i>2016</i>					
July	101		101	7.6	1.00
August	99		99	7.4	1.00
September	224		224	16.9	1.00
October	342		342	25.5	1.00
November	667		667	49.9	1.00
December	3,032		3,032	214.9	1.00
<i>2017</i>					
January	6,674		6,674	500.0	1.00
February	10,865		10,865	813.9	1.00
March	7,375		7,375	551.6	1.00
April	2,167		2,167	162.1	1.00
May	616		616	46.2	1.00
June	180		180	7.4	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>NOT Treated Within 5 Days of Diagnosis</b>					
<i>2016</i>					
July	2,407		2,407	157.1	0.00
August	2,927		2,927	191.1	0.00
September	5,072		5,072	331.0	0.00
October	7,293		7,293	475.8	0.00
November	9,965		9,965	650.3	0.00
December	22,878		22,878	1,437.7	0.00
<i>2017</i>					
January	52,117		52,117	3,404.4	0.00
February	88,936		88,936	5,800.3	0.00
March	69,981		69,981	4,570.5	0.00
April	25,552		25,552	1,670.4	0.00
May	8,549		8,549	558.2	0.00
June	3,288		3,288	123.9	0.00
<b>P and I</b>					
<b>Total</b>					
<i>2016</i>					
July	58,174	42,960,097	58,174	0.0	0.02
August	70,028	43,604,665	70,028	0.0	0.02
September	80,313	42,934,539	80,313	0.0	0.03
October	83,230	43,368,977	83,230	0.0	0.06
November	108,136	42,841,817	108,136	0.0	0.08
December	151,991	43,448,575	151,991	0.0	0.20

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	230,698	39,278,674	230,698	0.0	0.34
February	317,382	38,747,396	317,382	0.0	0.45
March	253,805	38,936,463	253,805	0.0	0.40
April	131,334	39,118,235	131,334	0.0	0.22
May	85,485	39,186,635	85,485	0.0	0.10
June	72,740	39,366,972	72,740	0.0	0.04
<b>Treated on Day of Diagnosis</b>					
<b>2016</b>					
July	804		804	63.5	1.00
August	1,153		1,153	90.8	1.00
September	2,529		2,529	199.0	1.00
October	4,405		4,405	347.6	1.00
November	7,522		7,522	592.6	1.00
December	27,050		27,050	2,010.2	1.01
<b>2017</b>					
January	71,320		71,320	5,632.5	1.00
February	131,396		131,396	10,363.2	1.00
March	93,046		93,046	7,344.2	1.01
April	26,788		26,788	2,116.4	1.01
May	7,430		7,430	586.8	1.01
June	2,417		2,417	110.1	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Treated Day After Diagnosis</b>					
<i>2016</i>					
July	69		69	5.3	1.00
August	79		79	6.0	1.00
September	166		166	12.7	1.00
October	267		267	20.3	1.00
November	501		501	38.3	1.00
December	2,128		2,128	154.0	1.01
<i>2017</i>					
January	4,804		4,804	366.5	1.00
February	7,904		7,904	602.8	1.00
March	5,320		5,320	405.2	1.00
April	1,541		1,541	117.4	1.00
May	468		468	35.7	1.00
June	136		136	5.8	1.00
<b>Treated 1-5 Days After Diagnosis</b>					
<i>2016</i>					
July	108		108	8.1	1.00
August	107		107	8.0	1.00
September	229		229	17.2	1.00
October	367		367	27.4	1.00
November	714		714	53.3	1.00
December	3,197		3,197	226.4	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	7,084		7,084	529.5	1.00
February	11,143		11,143	833.7	1.00
March	7,594		7,594	567.1	1.00
April	2,244		2,244	167.7	1.00
May	653		653	48.9	1.00
June	213		213	8.6	1.00
<b>NOT Treated Within 5 Days of Diagnosis</b>					
<b>2016</b>					
July	56,984		56,984	3,680.7	0.00
August	68,477		68,477	4,432.4	0.00
September	77,167		77,167	4,994.1	0.00
October	78,110		78,110	5,059.7	0.00
November	99,254		99,254	6,418.8	0.00
December	118,353		118,353	7,440.9	0.00
<b>2017</b>					
January	151,697		151,697	9,855.8	0.00
February	174,204		174,204	11,320.1	0.00
March	152,589		152,589	9,923.6	0.00
April	101,971		101,971	6,624.2	0.00
May	77,142		77,142	5,000.0	0.00
June	56,553		56,553	1,993.1	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>MAARI</b>					
<b>Total</b>					
<i>2016</i>					
July	391,313	42,957,208	391,313	0.0	0.00
August	516,962	43,592,684	516,962	0.0	0.00
September	635,745	42,899,395	635,745	0.0	0.00
October	677,337	43,347,397	677,337	0.0	0.01
November	841,877	42,789,087	841,877	0.0	0.01
December	1,038,153	43,401,456	1,038,153	0.0	0.03
<i>2017</i>					
January	1,035,350	39,234,095	1,035,350	0.0	0.07
February	1,100,700	38,617,322	1,100,700	0.0	0.12
March	982,942	38,899,202	982,942	0.0	0.10
April	674,079	39,070,304	674,079	0.0	0.04
May	639,069	39,174,254	639,069	0.0	0.01
June	462,066	39,337,381	462,066	0.0	0.01
<b>Treated on Day of Diagnosis</b>					
<i>2016</i>					
July	832		832	65.7	1.00
August	1,102		1,102	86.9	1.00
September	2,576		2,576	202.8	1.00
October	4,553		4,553	359.2	1.00
November	7,642		7,642	602.1	1.00
December	25,496		25,496	1,897.6	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	65,935		65,935	5,207.1	1.00
February	119,263		119,263	9,405.8	1.00
March	86,182		86,182	6,802.3	1.01
April	25,805		25,805	2,038.8	1.01
May	7,459		7,459	589.0	1.01
June	2,477		2,477	112.2	1.00
<b>Treated Day After Diagnosis</b>					
<b>2016</b>					
July	69		69	5.3	1.00
August	107		107	8.2	1.00
September	199		199	15.2	1.00
October	341		341	26.0	1.00
November	592		592	45.0	1.00
December	2,311		2,311	166.5	1.01
<b>2017</b>					
January	5,360		5,360	408.6	1.00
February	8,655		8,655	659.8	1.00
March	5,903		5,903	449.6	1.01
April	1,748		1,748	133.5	1.01
May	529		529	40.3	1.00
June	169		169	7.3	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Treated 1-5 Days After Diagnosis</b>					
<i>2016</i>					
July	125		125	9.3	1.00
August	168		168	12.6	1.00
September	312		312	23.3	1.00
October	541		541	40.1	1.00
November	974		974	72.1	1.00
December	3,890		3,890	272.8	1.01
<i>2017</i>					
January	8,711		8,711	647.6	1.00
February	14,114		14,114	1,047.9	1.00
March	9,589		9,589	711.7	1.01
April	2,934		2,934	217.9	1.01
May	874		874	65.0	1.00
June	271		271	11.3	1.00
<b>NOT Treated Within 5 Days of Diagnosis</b>					
<i>2016</i>					
July	389,323		389,323	25,438.2	0.00
August	514,057		514,057	33,578.2	0.00
September	630,345		630,345	41,135.2	0.00
October	670,444		670,444	43,826.6	0.00
November	830,114		830,114	54,168.5	0.00
December	984,126		984,126	62,085.8	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	958,284		958,284	62,666.5	0.00
February	964,873		964,873	63,031.5	0.00
March	884,573		884,573	57,809.2	0.00
April	643,897		643,897	42,095.1	0.00
May	629,319		629,319	41,108.4	0.00
June	371,910		371,910	13,296.4	0.00
<b>ILI - Treated Day of Diagnosis</b>					
<b>Hospitalization</b>					
<b>2016</b>					
July	800		800	62.1	1.00
August	1,143		1,143	89.0	1.00
September	2,505		2,505	194.5	1.00
October	4,367		4,367	340.0	1.00
November	7,463		7,463	582.2	1.00
December	26,957		26,957	1,991.4	1.01
<b>2017</b>					
January	71,224		71,224	5,596.8	1.00
February	131,379		131,379	10,314.8	1.00
March	93,030		93,030	7,307.4	1.01
April	26,739		26,739	2,099.9	1.01
May	7,424		7,424	582.3	1.00
June	2,400		2,400	108.3	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Bilevel Positive Airway Pressure (BiPAP)</b>					
<i>2016</i>					
July	800		800	62.8	1.00
August	1,144		1,144	89.8	1.00
September	2,503		2,503	196.5	1.00
October	4,368		4,368	343.8	1.00
November	7,468		7,468	587.2	1.00
December	26,959		26,959	1,999.4	1.01
<i>2017</i>					
January	71,246		71,246	5,616.0	1.00
February	131,397		131,397	10,344.8	1.00
March	93,047		93,047	7,327.7	1.01
April	26,742		26,742	2,108.3	1.01
May	7,424		7,424	585.5	1.00
June	2,401		2,401	108.8	1.01
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	789		789	61.7	1.00
August	1,126		1,126	87.5	1.00
September	2,449		2,449	190.1	1.00
October	4,278		4,278	334.4	1.00
November	7,315		7,315	572.0	1.00
December	26,362		26,362	1,945.8	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	69,816		69,816	5,481.2	1.00
February	129,189		129,189	10,132.4	1.00
March	91,409		91,409	7,169.9	1.01
April	26,206		26,206	2,054.1	1.01
May	7,278		7,278	570.2	1.00
June	2,361		2,361	106.6	1.01
<b>Mechanical ventilation</b>					
<b>2016</b>					
July	800		800	63.1	1.00
August	1,144		1,144	90.1	1.00
September	2,505		2,505	196.7	1.00
October	4,370		4,370	344.6	1.00
November	7,469		7,469	588.4	1.00
December	26,966		26,966	2,003.2	1.01
<b>2017</b>					
January	71,252		71,252	5,626.6	1.00
February	131,416		131,416	10,362.8	1.00
March	93,052		93,052	7,342.6	1.01
April	26,747		26,747	2,112.0	1.01
May	7,425		7,425	586.2	1.00
June	2,401		2,401	108.9	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Critical Care</b>					
<i>2016</i>					
July	800		800	62.4	1.00
August	1,142		1,142	89.1	1.00
September	2,505		2,505	195.4	1.00
October	4,365		4,365	340.7	1.00
November	7,457		7,457	583.1	1.00
December	26,943		26,943	1,994.7	1.01
<i>2017</i>					
January	71,214		71,214	5,605.7	1.00
February	131,358		131,358	10,325.8	1.00
March	93,005		93,005	7,312.4	1.01
April	26,734		26,734	2,101.8	1.01
May	7,425		7,425	583.1	1.00
June	2,398		2,398	108.2	1.01
<b>Extracorporeal membrane oxygenation (ECMO)</b>					
<i>2016</i>					
July	800		800	63.2	1.00
August	1,144		1,144	90.1	1.00
September	2,505		2,505	197.1	1.00
October	4,370		4,370	344.8	1.00
November	7,469		7,469	588.4	1.00
December	26,966		26,966	2,004.1	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	71,252		71,252	5,627.3	1.00
February	131,420		131,420	10,365.2	1.00
March	93,056		93,056	7,345.1	1.01
April	26,747		26,747	2,113.1	1.01
May	7,425		7,425	586.4	1.00
June	2,401		2,401	108.9	1.01
<b>Death</b>					
<b>2016</b>					
July	800		800	63.2	1.00
August	1,144		1,144	90.1	1.00
September	2,505		2,505	197.1	1.00
October	4,370		4,370	344.8	1.00
November	7,469		7,469	588.4	1.00
December	26,966		26,966	2,003.8	1.01
<b>2017</b>					
January	71,252		71,252	5,626.8	1.00
February	131,421		131,421	10,364.7	1.00
March	93,056		93,056	7,344.4	1.01
April	26,747		26,747	2,113.0	1.01
May	7,425		7,425	586.4	1.00
June	2,401		2,401	108.9	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	800		800	62.1	1.00
August	1,143		1,143	89.1	1.00
September	2,505		2,505	194.7	1.00
October	4,367		4,367	340.4	1.00
November	7,463		7,463	582.7	1.00
December	26,957		26,957	1,992.7	1.01
<i>2017</i>					
January	71,229		71,229	5,600.2	1.00
February	131,382		131,382	10,320.0	1.00
March	93,034		93,034	7,312.0	1.01
April	26,739		26,739	2,100.9	1.01
May	7,424		7,424	582.7	1.00
June	2,400		2,400	108.3	1.01
<b>ILI - Treated Day After Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	67		67	5.1	1.00
August	78		78	5.9	1.00
September	160		160	12.1	1.00
October	250		250	18.6	1.00
November	465		465	34.5	1.00
December	2,040		2,040	145.9	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	4,661		4,661	350.2	1.00
February	7,762		7,762	584.8	1.00
March	5,224		5,224	391.2	1.00
April	1,495		1,495	112.4	1.00
May	450		450	33.9	1.00
June	127		127	5.4	1.00
<b>BiPAP</b>					
<b>2016</b>					
July	67		67	5.1	1.00
August	78		78	5.9	1.00
September	163		163	12.5	1.00
October	254		254	19.3	1.00
November	480		480	36.5	1.00
December	2,090		2,090	151.0	1.01
<b>2017</b>					
January	4,736		4,736	360.4	1.00
February	7,857		7,857	597.9	1.00
March	5,294		5,294	402.0	1.00
April	1,518		1,518	115.5	1.00
May	457		457	34.7	1.00
June	132		132	5.7	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	65		65	4.8	1.00
August	76		76	5.7	1.00
September	154		154	11.7	1.00
October	244		244	18.4	1.00
November	442		442	33.6	1.00
December	1,919		1,919	137.2	1.01
<i>2017</i>					
January	4,405		4,405	332.4	1.00
February	7,343		7,343	555.0	1.00
March	4,831		4,831	364.1	1.00
April	1,371		1,371	103.4	1.01
May	426		426	32.3	1.00
June	118		118	5.0	1.00
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	67		67	5.1	1.00
August	78		78	5.9	1.00
September	163		163	12.5	1.00
October	254		254	19.2	1.00
November	480		480	36.6	1.00
December	2,091		2,091	151.2	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	4,737		4,737	360.9	1.00
February	7,857		7,857	598.8	1.00
March	5,291		5,291	402.4	1.00
April	1,518		1,518	115.6	1.00
May	456		456	34.8	1.00
June	132		132	5.7	1.00
<b>Critical Care</b>					
<b>2016</b>					
July	66		66	5.1	1.00
August	78		78	5.9	1.00
September	161		161	12.2	1.00
October	251		251	18.8	1.00
November	460		460	34.4	1.00
December	2,038		2,038	146.5	1.01
<b>2017</b>					
January	4,620		4,620	349.1	1.00
February	7,709		7,709	582.0	1.00
March	5,166		5,166	388.8	1.00
April	1,482		1,482	111.9	1.00
May	443		443	33.4	1.00
June	122		122	5.1	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
<i>2016</i>					
July	67		67	5.1	1.00
August	78		78	5.9	1.00
September	163		163	12.5	1.00
October	254		254	19.3	1.00
November	480		480	36.7	1.00
December	2,091		2,091	151.2	1.01
<i>2017</i>					
January	4,737		4,737	361.2	1.00
February	7,858		7,858	599.2	1.00
March	5,296		5,296	403.4	1.00
April	1,518		1,518	115.6	1.00
May	457		457	34.9	1.00
June	132		132	5.7	1.00
<b>Death</b>					
<i>2016</i>					
July	67		67	5.1	1.00
August	78		78	5.9	1.00
September	163		163	12.5	1.00
October	254		254	19.3	1.00
November	480		480	36.7	1.00
December	2,090		2,090	151.2	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	4,737		4,737	361.0	1.00
February	7,858		7,858	598.8	1.00
March	5,296		5,296	403.3	1.00
April	1,518		1,518	115.7	1.00
May	457		457	34.9	1.00
June	132		132	5.7	1.00
<b>Discharge from hospital alive</b>					
<b>2016</b>					
July	67		67	5.1	1.00
August	78		78	5.9	1.00
September	160		160	12.1	1.00
October	250		250	18.6	1.00
November	467		467	34.9	1.00
December	2,046		2,046	146.3	1.01
<b>2017</b>					
January	4,672		4,672	351.4	1.00
February	7,776		7,776	587.1	1.00
March	5,235		5,235	393.5	1.00
April	1,497		1,497	112.8	1.00
May	451		451	34.0	1.00
June	127		127	5.4	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ILI - Treated 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	88		88	6.6	1.00
August	91		91	6.7	1.00
September	203		203	15.1	1.00
October	312		312	23.1	1.00
November	587		587	42.8	1.00
December	2,632		2,632	185.6	1.00
<i>2017</i>					
January	5,904		5,904	437.4	1.00
February	9,664		9,664	717.8	1.00
March	6,510		6,510	481.1	1.00
April	1,880		1,880	139.2	1.00
May	553		553	41.2	1.00
June	157		157	6.5	1.00
<b>BiPAP</b>					
<i>2016</i>					
July	101		101	7.6	1.00
August	99		99	7.4	1.00
September	224		224	16.9	1.00
October	342		342	25.5	1.00
November	667		667	49.6	1.00
December	3,029		3,029	214.5	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	6,670		6,670	497.9	1.00
February	10,857		10,857	810.8	1.00
March	7,371		7,371	549.2	1.00
April	2,166		2,166	161.6	1.00
May	614		614	45.9	1.00
June	180		180	7.4	1.00
<b>Supplemental oxygen</b>					
<b>2016</b>					
July	98		98	7.2	1.00
August	97		97	7.2	1.00
September	208		208	15.5	1.00
October	320		320	23.5	1.00
November	605		605	44.9	1.00
December	2,718		2,718	190.2	1.01
<b>2017</b>					
January	6,054		6,054	448.2	1.00
February	9,857		9,857	730.6	1.00
March	6,548		6,548	483.1	1.00
April	1,919		1,919	141.5	1.00
May	565		565	41.9	1.00
June	162		162	6.4	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	101		101	7.6	1.00
August	99		99	7.4	1.00
September	224		224	16.9	1.00
October	341		341	25.4	1.00
November	664		664	49.5	1.00
December	3,024		3,024	214.3	1.00
<i>2017</i>					
January	6,663		6,663	498.6	1.00
February	10,835		10,835	811.0	1.00
March	7,351		7,351	548.4	1.00
April	2,162		2,162	161.5	1.00
May	615		615	46.1	1.00
June	178		178	7.4	1.00
<b>Critical Care</b>					
<i>2016</i>					
July	90		90	6.8	1.00
August	92		92	6.8	1.00
September	207		207	15.4	1.00
October	310		310	23.1	1.00
November	579		579	42.5	1.00
December	2,654		2,654	187.8	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	5,926		5,926	442.1	1.00
February	9,632		9,632	716.9	1.00
March	6,477		6,477	480.4	1.00
April	1,884		1,884	139.8	1.00
May	545		545	40.7	1.00
June	145		145	6.0	1.00
<b>ECMO</b>					
<b>2016</b>					
July	101		101	7.6	1.00
August	99		99	7.4	1.00
September	224		224	16.9	1.00
October	342		342	25.5	1.00
November	667		667	49.9	1.00
December	3,032		3,032	214.9	1.00
<b>2017</b>					
January	6,674		6,674	500.0	1.00
February	10,865		10,865	813.9	1.00
March	7,375		7,375	551.6	1.00
April	2,167		2,167	162.0	1.00
May	616		616	46.2	1.00
June	180		180	7.4	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Death</b>					
<i>2016</i>					
July	101		101	7.6	1.00
August	99		99	7.4	1.00
September	224		224	16.9	1.00
October	342		342	25.5	1.00
November	667		667	49.8	1.00
December	3,031		3,031	214.7	1.00
<i>2017</i>					
January	6,674		6,674	499.6	1.00
February	10,865		10,865	813.1	1.00
March	7,375		7,375	551.2	1.00
April	2,167		2,167	161.9	1.00
May	616		616	46.2	1.00
June	180		180	7.4	1.00
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	88		88	6.6	1.00
August	91		91	6.7	1.00
September	204		204	15.2	1.00
October	314		314	23.2	1.00
November	595		595	43.7	1.00
December	2,672		2,672	188.4	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	5,973		5,973	443.0	1.00
February	9,780		9,780	727.6	1.00
March	6,595		6,595	488.2	1.00
April	1,908		1,908	141.5	1.00
May	560		560	41.8	1.00
June	157		157	6.5	1.00
<b>ILI - NOT Treated 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<b>2016</b>					
July	2,324		2,324	150.2	0.00
August	2,829		2,829	183.2	0.00
September	4,933		4,933	319.2	0.00
October	7,088		7,088	458.9	0.00
November	9,649		9,649	626.1	0.00
December	22,107		22,107	1,382.3	0.00
<b>2017</b>					
January	50,566		50,566	3,289.6	0.00
February	86,616		86,616	5,628.6	0.00
March	68,210		68,210	4,439.2	0.00
April	24,851		24,851	1,617.0	0.00
May	8,332		8,332	541.6	0.00
June	3,189		3,189	119.5	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
<i>2016</i>					
July	2,400		2,400	156.6	0.00
August	2,919		2,919	189.9	0.00
September	5,056		5,056	329.1	0.00
October	7,284		7,284	474.1	0.00
November	9,946		9,946	647.7	0.00
December	22,857		22,857	1,433.7	0.00
<i>2017</i>					
January	52,073		52,073	3,396.8	0.00
February	88,870		88,870	5,787.1	0.00
March	69,926		69,926	4,560.1	0.00
April	25,518		25,518	1,664.4	0.00
May	8,533		8,533	556.1	0.00
June	3,283		3,283	123.6	0.00
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	2,344		2,344	152.4	0.00
August	2,850		2,850	185.1	0.00
September	4,927		4,927	319.7	0.00
October	7,073		7,073	458.9	0.00
November	9,611		9,611	623.4	0.00
December	21,980		21,980	1,374.1	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	50,215		50,215	3,263.6	0.00
February	85,893		85,893	5,576.9	0.00
March	67,552		67,552	4,392.3	0.00
April	24,554		24,554	1,595.9	0.00
May	8,240		8,240	535.5	0.00
June	3,169		3,169	118.6	0.00
<b>Mechanical ventilation</b>					
<b>2016</b>					
July	2,400		2,400	156.6	0.00
August	2,918		2,918	190.4	0.00
September	5,057		5,057	329.9	0.00
October	7,277		7,277	474.3	0.00
November	9,936		9,936	648.1	0.00
December	22,781		22,781	1,431.2	0.00
<b>2017</b>					
January	51,909		51,909	3,389.7	0.00
February	88,631		88,631	5,779.7	0.00
March	69,760		69,760	4,555.8	0.00
April	25,475		25,475	1,664.6	0.00
May	8,536		8,536	557.1	0.00
June	3,282		3,282	123.6	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Critical Care</b>					
<i>2016</i>					
July	2,303		2,303	149.3	0.00
August	2,820		2,820	183.0	0.00
September	4,921		4,921	319.2	0.00
October	7,080		7,080	459.4	0.00
November	9,652		9,652	627.4	0.00
December	22,099		22,099	1,383.8	0.00
<i>2017</i>					
January	50,585		50,585	3,294.8	0.00
February	86,550		86,550	5,630.8	0.00
March	68,142		68,142	4,437.9	0.00
April	24,815		24,815	1,616.7	0.00
May	8,324		8,324	541.4	0.00
June	3,165		3,165	118.8	0.00
<b>ECMO</b>					
<i>2016</i>					
July	2,407		2,407	157.1	0.00
August	2,927		2,927	191.1	0.00
September	5,072		5,072	331.0	0.00
October	7,292		7,292	475.8	0.00
November	9,965		9,965	650.3	0.00
December	22,875		22,875	1,437.5	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	52,117		52,117	3,404.4	0.00
February	88,929		88,929	5,799.8	0.00
March	69,980		69,980	4,570.5	0.00
April	25,552		25,552	1,670.4	0.00
May	8,548		8,548	558.2	0.00
June	3,288		3,288	123.9	0.00
<b>Death</b>					
<b>2016</b>					
July	2,405		2,405	157.0	0.00
August	2,926		2,926	191.0	0.00
September	5,062		5,062	330.2	0.00
October	7,290		7,290	475.4	0.00
November	9,962		9,962	649.3	0.00
December	22,859		22,859	1,434.6	0.00
<b>2017</b>					
January	52,076		52,076	3,398.7	0.00
February	88,875		88,875	5,792.2	0.00
March	69,920		69,920	4,564.1	0.00
April	25,517		25,517	1,667.7	0.00
May	8,542		8,542	557.6	0.00
June	3,279		3,279	123.4	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	2,333		2,333	150.7	0.00
August	2,841		2,841	184.0	0.00
September	4,951		4,951	320.7	0.00
October	7,119		7,119	461.4	0.00
November	9,705		9,705	630.1	0.00
December	22,203		22,203	1,389.3	0.00
<i>2017</i>					
January	50,754		50,754	3,302.8	0.00
February	86,890		86,890	5,647.0	0.00
March	68,424		68,424	4,454.1	0.00
April	24,939		24,939	1,623.0	0.00
May	8,353		8,353	543.1	0.00
June	3,201		3,201	120.0	0.00
<b>ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	98		98		
August	106		106		
September	160		160		
October	236		236		
November	394		394		
December	1,196		1,196		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	2,307		2,307		
February	3,498		3,498		
March	2,619		2,619		
April	983		983		
May	279		279		
June	139		139		
<b>BiPAP</b>					
<b>2016</b>					
July	7		7		
August	8		8		
September	16		16		
October	9		9		
November	19		19		
December	23		23		
<b>2017</b>					
January	47		47		
February	73		73		
March	57		57		
April	35		35		
May	16		16		
June	6		6		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	65		65		
August	79		79		
September	161		161		
October	243		243		
November	416		416		
December	1,255		1,255		
<i>2017</i>					
January	2,504		2,504		
February	4,015		4,015		
March	3,222		3,222		
April	1,236		1,236		
May	360		360		
June	160		160		
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	7		7		
August	9		9		
September	15		15		
October	17		17		
November	32		32		
December	110		110		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	223		223		
February	335		335		
March	245		245		
April	81		81		
May	14		14		
June	11		11		
<b>Critical Care</b>					
<b>2016</b>					
July	117		117		
August	114		114		
September	170		170		
October	247		247		
November	403		403		
December	1,171		1,171		
<b>2017</b>					
January	2,266		2,266		
February	3,600		3,600		
March	2,701		2,701		
April	1,012		1,012		
May	291		291		
June	173		173		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	1		1		
November	0		0		
December	3		3		
<i>2017</i>					
January	0		0		
February	7		7		
March	1		1		
April	0		0		
May	1		1		
June	0		0		
<b>Death</b>					
<i>2016</i>					
July	2		2		
August	1		1		
September	12		12		
October	3		3		
November	5		5		
December	25		25		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	53		53		
February	64		64		
March	69		69		
April	38		38		
May	8		8		
June	9		9		
<b>Discharge from hospital alive</b>					
<b>2016</b>					
July	89		89		
August	94		94		
September	141		141		
October	203		203		
November	330		330		
December	1,054		1,054		
<b>2017</b>					
January	2,054		2,054		
February	3,116		3,116		
March	2,321		2,321		
April	868		868		
May	251		251		
June	127		127		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ILI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	0		0		
August	1		1		
September	0		0		
October	3		3		
November	6		6		
December	9		9		
<i>2017</i>					
January	28		28		
February	42		42		
March	26		26		
April	8		8		
May	1		1		
June	1		1		
<b>BiPAP</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	2		2		
October	2		2		
November	1		1		
December	7		7		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	6		6		
February	24		24		
March	9		9		
April	5		5		
May	1		1		
June	0		0		
<b>Supplemental oxygen</b>					
<b>2016</b>					
July	11		11		
August	18		18		
September	56		56		
October	92		92		
November	154		154		
December	608		608		
<b>2017</b>					
January	1,436		1,436		
February	2,234		2,234		
March	1,649		1,649		
April	542		542		
May	147		147		
June	40		40		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2017</i>					
January	0		0		
February	5		5		
March	4		4		
April	0		0		
May	0		0		
June	0		0		
<b>Critical Care</b>					
<i>2016</i>					
July	0		0		
August	2		2		
September	0		0		
October	5		5		
November	12		12		
December	23		23		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	38		38		
February	63		63		
March	51		51		
April	13		13		
May	0		0		
June	3		3		
<b>ECMO</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<b>2017</b>					
January	0		0		
February	1		1		
March	0		0		
April	0		0		
May	0		0		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Death</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	0		0		
December	0		0		
<i>2017</i>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	0		0		
August	1		1		
September	0		0		
October	3		3		
November	6		6		
December	9		9		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	23		23		
February	39		39		
March	22		22		
April	8		8		
May	1		1		
June	1		1		
<b>ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	3		3		
December	16		16		
<b>2017</b>					
January	22		22		
February	29		29		
March	25		25		
April	6		6		
May	2		2		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	1		1		
<i>2017</i>					
January	1		1		
February	2		2		
March	2		2		
April	0		0		
May	2		2		
June	0		0		
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	1		1		
August	0		0		
September	1		1		
October	1		1		
November	1		1		
December	13		13		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	25		25		
February	44		44		
March	36		36		
April	10		10		
May	0		0		
June	0		0		
<b>Mechanical ventilation</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<b>2017</b>					
January	0		0		
February	1		1		
March	4		4		
April	1		1		
May	1		1		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Critical Care</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	1		1		
December	20		20		
<i>2017</i>					
January	27		27		
February	28		28		
March	42		42		
April	11		11		
May	6		6		
June	1		1		
<b>ECMO</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
<b>Death</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	1		1		
<b>2017</b>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	3		3		
December	14		14		
<i>2017</i>					
January	14		14		
February	18		18		
March	18		18		
April	4		4		
May	1		1		
June	0		0		
<b>P and I - Treated Day of Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	804		804	62.4	1.00
August	1,151		1,151	89.4	1.00
September	2,529		2,529	196.6	1.00
October	4,398		4,398	342.5	1.00
November	7,517		7,517	586.2	1.00
December	27,039		27,039	1,997.3	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	71,293		71,293	5,601.6	1.00
February	131,344		131,344	10,311.4	1.00
March	93,014		93,014	7,305.5	1.01
April	26,779		26,779	2,102.7	1.01
May	7,429		7,429	582.4	1.01
June	2,416		2,416	109.5	1.01
<b>BiPAP</b>					
<b>2016</b>					
July	804		804	63.2	1.00
August	1,153		1,153	90.6	1.00
September	2,527		2,527	198.2	1.00
October	4,403		4,403	346.5	1.00
November	7,521		7,521	591.4	1.00
December	27,043		27,043	2,005.5	1.01
<b>2017</b>					
January	71,314		71,314	5,621.3	1.00
February	131,372		131,372	10,342.7	1.00
March	93,037		93,037	7,326.6	1.01
April	26,783		26,783	2,111.6	1.01
May	7,429		7,429	585.8	1.01
June	2,417		2,417	110.0	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	793		793	62.0	1.00
August	1,133		1,133	88.1	1.00
September	2,469		2,469	191.6	1.00
October	4,311		4,311	337.0	1.00
November	7,364		7,364	575.8	1.00
December	26,445		26,445	1,951.9	1.01
<i>2017</i>					
January	69,861		69,861	5,484.4	1.00
February	129,146		129,146	10,128.7	1.00
March	91,394		91,394	7,168.6	1.01
April	26,247		26,247	2,057.1	1.01
May	7,281		7,281	570.2	1.01
June	2,377		2,377	107.7	1.01
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	804		804	63.4	1.00
August	1,153		1,153	90.8	1.00
September	2,529		2,529	198.7	1.00
October	4,403		4,403	347.3	1.00
November	7,522		7,522	592.5	1.00
December	27,050		27,050	2,009.3	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	71,319		71,319	5,631.6	1.00
February	131,389		131,389	10,360.5	1.00
March	93,042		93,042	7,341.6	1.01
April	26,788		26,788	2,115.3	1.01
May	7,430		7,430	586.6	1.01
June	2,417		2,417	110.0	1.01
<b>Critical Care</b>					
<b>2016</b>					
July	804		804	62.7	1.00
August	1,151		1,151	89.6	1.00
September	2,529		2,529	197.4	1.00
October	4,397		4,397	343.2	1.00
November	7,509		7,509	586.9	1.00
December	27,027		27,027	2,000.7	1.01
<b>2017</b>					
January	71,282		71,282	5,610.6	1.00
February	131,326		131,326	10,323.0	1.00
March	92,990		92,990	7,310.4	1.01
April	26,775		26,775	2,104.6	1.01
May	7,430		7,430	583.4	1.01
June	2,413		2,413	109.3	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
<i>2016</i>					
July	804		804	63.5	1.00
August	1,153		1,153	90.8	1.00
September	2,529		2,529	199.0	1.00
October	4,405		4,405	347.6	1.00
November	7,522		7,522	592.6	1.00
December	27,050		27,050	2,010.2	1.01
<i>2017</i>					
January	71,320		71,320	5,632.5	1.00
February	131,395		131,395	10,363.0	1.00
March	93,046		93,046	7,344.2	1.01
April	26,788		26,788	2,116.3	1.01
May	7,430		7,430	586.8	1.01
June	2,417		2,417	110.1	1.01
<b>Death</b>					
<i>2016</i>					
July	804		804	63.5	1.00
August	1,153		1,153	90.8	1.00
September	2,529		2,529	199.0	1.00
October	4,405		4,405	347.5	1.00
November	7,522		7,522	592.6	1.00
December	27,050		27,050	2,009.9	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	71,320		71,320	5,631.8	1.00
February	131,396		131,396	10,362.5	1.00
March	93,046		93,046	7,343.5	1.01
April	26,788		26,788	2,116.3	1.01
May	7,430		7,430	586.8	1.01
June	2,417		2,417	110.1	1.01
<b>Discharge from hospital alive</b>					
<b>2016</b>					
July	804		804	62.4	1.00
August	1,151		1,151	89.5	1.00
September	2,529		2,529	196.7	1.00
October	4,400		4,400	342.9	1.00
November	7,517		7,517	586.7	1.00
December	27,039		27,039	1,998.6	1.01
<b>2017</b>					
January	71,298		71,298	5,604.9	1.00
February	131,349		131,349	10,316.8	1.00
March	93,018		93,018	7,310.3	1.01
April	26,779		26,779	2,103.9	1.01
May	7,429		7,429	582.8	1.01
June	2,416		2,416	109.5	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>P and I - Treated After Day of Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	69		69	5.3	1.00
August	79		79	5.9	1.00
September	162		162	12.3	1.00
October	262		262	19.5	1.00
November	483		483	35.9	1.00
December	2,076		2,076	148.6	1.01
<i>2017</i>					
January	4,721		4,721	354.6	1.00
February	7,804		7,804	588.1	1.00
March	5,245		5,245	392.8	1.00
April	1,511		1,511	113.5	1.00
May	461		461	34.7	1.00
June	131		131	5.5	1.00
<b>BiPAP</b>					
<i>2016</i>					
July	69		69	5.3	1.00
August	79		79	6.0	1.00
September	166		166	12.7	1.00
October	267		267	20.3	1.00
November	501		501	38.1	1.00
December	2,127		2,127	153.8	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	4,803		4,803	365.6	1.00
February	7,901		7,901	601.3	1.00
March	5,319		5,319	403.8	1.00
April	1,541		1,541	117.2	1.00
May	468		468	35.6	1.00
June	136		136	5.8	1.00
<b>Supplemental oxygen</b>					
<b>2016</b>					
July	67		67	5.0	1.00
August	77		77	5.8	1.00
September	156		156	11.9	1.00
October	252		252	19.0	1.00
November	462		462	35.1	1.00
December	1,950		1,950	139.6	1.01
<b>2017</b>					
January	4,469		4,469	337.4	1.00
February	7,393		7,393	559.2	1.00
March	4,858		4,858	366.4	1.00
April	1,388		1,388	104.7	1.01
May	435		435	32.9	1.00
June	121		121	5.0	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	69		69	5.3	1.00
August	79		79	6.0	1.00
September	166		166	12.7	1.00
October	267		267	20.2	1.00
November	501		501	38.2	1.00
December	2,127		2,127	153.9	1.01
<i>2017</i>					
January	4,804		4,804	366.1	1.00
February	7,903		7,903	602.5	1.00
March	5,317		5,317	404.3	1.00
April	1,541		1,541	117.4	1.00
May	467		467	35.6	1.00
June	136		136	5.8	1.00
<b>Critical Care</b>					
<i>2016</i>					
July	68		68	5.2	1.00
August	79		79	5.9	1.00
September	163		163	12.3	1.00
October	264		264	19.8	1.00
November	481		481	36.0	1.00
December	2,080		2,080	149.6	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	4,690		4,690	354.5	1.00
February	7,756		7,756	585.7	1.00
March	5,190		5,190	390.5	1.00
April	1,502		1,502	113.4	1.00
May	454		454	34.2	1.00
June	128		128	5.3	1.00
<b>ECMO</b>					
<b>2016</b>					
July	69		69	5.3	1.00
August	79		79	6.0	1.00
September	166		166	12.7	1.00
October	267		267	20.3	1.00
November	501		501	38.3	1.00
December	2,128		2,128	154.0	1.01
<b>2017</b>					
January	4,804		4,804	366.5	1.00
February	7,904		7,904	602.8	1.00
March	5,320		5,320	405.2	1.00
April	1,541		1,541	117.4	1.00
May	468		468	35.7	1.00
June	136		136	5.8	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Death</b>					
<i>2016</i>					
July	69		69	5.3	1.00
August	79		79	6.0	1.00
September	166		166	12.7	1.00
October	267		267	20.3	1.00
November	501		501	38.3	1.00
December	2,127		2,127	153.9	1.01
<i>2017</i>					
January	4,804		4,804	366.2	1.00
February	7,904		7,904	602.4	1.00
March	5,320		5,320	405.1	1.00
April	1,541		1,541	117.4	1.00
May	468		468	35.7	1.00
June	136		136	5.8	1.00
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	69		69	5.3	1.00
August	79		79	5.9	1.00
September	163		163	12.3	1.00
October	262		262	19.5	1.00
November	483		483	36.1	1.00
December	2,082		2,082	148.9	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	4,733		4,733	355.9	1.00
February	7,818		7,818	590.2	1.00
March	5,254		5,254	394.9	1.00
April	1,513		1,513	114.0	1.00
May	462		462	34.9	1.00
June	131		131	5.5	1.00
<b>P and I - Treated 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<b>2016</b>					
July	91		91	6.9	1.00
August	96		96	7.1	1.00
September	202		202	15.1	1.00
October	324		324	23.9	1.00
November	611		611	44.6	1.00
December	2,704		2,704	190.7	1.01
<b>2017</b>					
January	6,082		6,082	449.9	1.00
February	9,797		9,797	727.7	1.00
March	6,621		6,621	489.1	1.00
April	1,907		1,907	141.3	1.00
May	577		577	43.0	1.00
June	164		164	6.6	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
<i>2016</i>					
July	108		108	8.1	1.00
August	107		107	8.0	1.00
September	229		229	17.2	1.00
October	367		367	27.4	1.00
November	714		714	53.1	1.00
December	3,192		3,192	225.8	1.01
<i>2017</i>					
January	7,079		7,079	527.2	1.00
February	11,130		11,130	830.1	1.00
March	7,590		7,590	564.5	1.00
April	2,243		2,243	167.1	1.00
May	651		651	48.6	1.00
June	213		213	8.6	1.00
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	105		105	7.7	1.00
August	105		105	7.8	1.00
September	212		212	15.8	1.00
October	338		338	24.8	1.00
November	649		649	48.2	1.00
December	2,865		2,865	200.1	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	6,419		6,419	473.8	1.00
February	10,096		10,096	747.6	1.00
March	6,725		6,725	495.6	1.00
April	1,982		1,982	146.0	1.00
May	596		596	44.2	1.00
June	189		189	7.4	1.00
<b>Mechanical ventilation</b>					
<b>2016</b>					
July	108		108	8.1	1.00
August	107		107	8.0	1.00
September	229		229	17.2	1.00
October	366		366	27.2	1.00
November	709		709	52.8	1.00
December	3,179		3,179	225.1	1.01
<b>2017</b>					
January	7,055		7,055	526.7	1.00
February	11,102		11,102	830.2	1.00
March	7,568		7,568	564.0	1.00
April	2,239		2,239	167.1	1.00
May	652		652	48.9	1.00
June	211		211	8.6	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Critical Care</b>					
<i>2016</i>					
July	93		93	7.0	1.00
August	98		98	7.2	1.00
September	206		206	15.3	1.00
October	324		324	24.1	1.00
November	612		612	44.9	1.00
December	2,794		2,794	197.8	1.01
<i>2017</i>					
January	6,260		6,260	465.7	1.00
February	9,839		9,839	732.2	1.00
March	6,615		6,615	490.3	1.00
April	1,933		1,933	143.4	1.00
May	569		569	42.4	1.00
June	165		165	6.7	1.00
<b>ECMO</b>					
<i>2016</i>					
July	108		108	8.1	1.00
August	107		107	8.0	1.00
September	229		229	17.2	1.00
October	367		367	27.4	1.00
November	714		714	53.3	1.00
December	3,197		3,197	226.4	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	7,084		7,084	529.5	1.00
February	11,143		11,143	833.7	1.00
March	7,594		7,594	567.1	1.00
April	2,244		2,244	167.6	1.00
May	653		653	48.9	1.00
June	213		213	8.6	1.00
<b>Death</b>					
<b>2016</b>					
July	108		108	8.1	1.00
August	107		107	8.0	1.00
September	229		229	17.2	1.00
October	367		367	27.4	1.00
November	714		714	53.3	1.00
December	3,196		3,196	226.0	1.01
<b>2017</b>					
January	7,084		7,084	529.0	1.00
February	11,143		11,143	832.9	1.00
March	7,594		7,594	566.8	1.00
April	2,244		2,244	167.5	1.00
May	653		653	48.9	1.00
June	213		213	8.6	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	91		91	6.9	1.00
August	96		96	7.1	1.00
September	204		204	15.1	1.00
October	326		326	24.1	1.00
November	622		622	45.7	1.00
December	2,748		2,748	193.7	1.01
<i>2017</i>					
January	6,171		6,171	457.0	1.00
February	9,927		9,927	738.0	1.00
March	6,702		6,702	495.8	1.00
April	1,937		1,937	143.6	1.00
May	584		584	43.6	1.00
June	168		168	6.7	1.00
<b>P and I - NOT Treated 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	44,252		44,252	2,784.8	0.00
August	55,770		55,770	3,520.6	0.00
September	63,698		63,698	4,028.7	0.00
October	64,098		64,098	4,070.7	0.00
November	83,568		83,568	5,298.2	0.00
December	99,505		99,505	6,154.2	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	131,853		131,853	8,454.3	0.00
February	156,459		156,459	10,062.0	0.00
March	134,442		134,442	8,640.7	0.00
April	86,487		86,487	5,528.5	0.00
May	62,677		62,677	3,982.9	0.00
June	45,920		45,920	1,590.0	0.00
<b>BiPAP</b>					
<b>2016</b>					
July	56,787		56,787	3,650.6	0.00
August	68,213		68,213	4,392.3	0.00
September	76,906		76,906	4,952.3	0.00
October	77,915		77,915	5,026.8	0.00
November	98,965		98,965	6,372.6	0.00
December	118,068		118,068	7,394.0	0.00
<b>2017</b>					
January	151,353		151,353	9,797.5	0.00
February	173,865		173,865	11,260.9	0.00
March	152,327		152,327	9,873.2	0.00
April	101,654		101,654	6,572.7	0.00
May	76,918		76,918	4,960.5	0.00
June	56,327		56,327	1,976.8	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	50,882		50,882	3,220.9	0.00
August	61,595		61,595	3,910.4	0.00
September	69,072		69,072	4,385.5	0.00
October	69,220		69,220	4,401.6	0.00
November	88,235		88,235	5,598.6	0.00
December	105,017		105,017	6,487.0	0.00
<i>2017</i>					
January	137,889		137,889	8,823.0	0.00
February	161,132		161,132	10,350.0	0.00
March	139,786		139,786	8,981.2	0.00
April	92,232		92,232	5,891.0	0.00
May	68,590		68,590	4,360.5	0.00
June	50,808		50,808	1,764.5	0.00
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	55,209		55,209	3,555.3	0.00
August	66,612		66,612	4,303.3	0.00
September	75,264		75,264	4,860.1	0.00
October	76,075		76,075	4,917.9	0.00
November	96,907		96,907	6,250.9	0.00
December	115,655		115,655	7,259.5	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	148,828		148,828	9,656.1	0.00
February	171,554		171,554	11,137.9	0.00
March	149,992		149,992	9,744.2	0.00
April	99,835		99,835	6,476.0	0.00
May	75,057		75,057	4,856.0	0.00
June	54,930		54,930	1,930.9	0.00
<b>Critical Care</b>					
<b>2016</b>					
July	42,977		42,977	2,728.9	0.00
August	54,532		54,532	3,465.7	0.00
September	62,529		62,529	3,980.1	0.00
October	63,292		63,292	4,044.1	0.00
November	82,673		82,673	5,267.3	0.00
December	98,839		98,839	6,140.8	0.00
<b>2017</b>					
January	131,231		131,231	8,447.1	0.00
February	155,737		155,737	10,044.8	0.00
March	133,717		133,717	8,627.6	0.00
April	85,854		85,854	5,509.7	0.00
May	61,545		61,545	3,928.4	0.00
June	45,083		45,083	1,567.8	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
<i>2016</i>					
July	56,981		56,981	3,680.6	0.00
August	68,462		68,462	4,431.2	0.00
September	77,155		77,155	4,993.3	0.00
October	78,092		78,092	5,058.6	0.00
November	99,244		99,244	6,418.1	0.00
December	118,338		118,338	7,439.9	0.00
<i>2017</i>					
January	151,688		151,688	9,855.3	0.00
February	174,184		174,184	11,318.6	0.00
March	152,576		152,576	9,922.8	0.00
April	101,961		101,961	6,623.5	0.00
May	77,122		77,122	4,998.5	0.00
June	56,546		56,546	1,992.8	0.00
<b>Death</b>					
<i>2016</i>					
July	56,279		56,279	3,606.9	0.00
August	67,706		67,706	4,356.0	0.00
September	76,500		76,500	4,919.5	0.00
October	77,382		77,382	4,980.8	0.00
November	98,481		98,481	6,330.4	0.00
December	117,506		117,506	7,347.8	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	150,696		150,696	9,748.0	0.00
February	173,367		173,367	11,233.7	0.00
March	151,744		151,744	9,830.7	0.00
April	101,241		101,241	6,544.1	0.00
May	76,346		76,346	4,918.8	0.00
June	55,898		55,898	1,950.0	0.00
<b>Discharge from hospital alive</b>					
<b>2016</b>					
July	45,988		45,988	2,893.3	0.00
August	57,669		57,669	3,642.0	0.00
September	66,097		66,097	4,189.8	0.00
October	67,600		67,600	4,295.4	0.00
November	86,630		86,630	5,496.6	0.00
December	102,605		102,605	6,351.0	0.00
<b>2017</b>					
January	134,727		134,727	8,636.7	0.00
February	158,684		158,684	10,201.4	0.00
March	136,800		136,800	8,794.8	0.00
April	88,415		88,415	5,653.9	0.00
May	64,469		64,469	4,095.5	0.00
June	47,312		47,312	1,641.7	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	12,825		12,825		
August	12,804		12,804		
September	13,580		13,580		
October	14,167		14,167		
November	15,920		15,920		
December	19,822		19,822		
<i>2017</i>					
January	20,940		20,940		
February	19,151		19,151		
March	19,218		19,218		
April	15,913		15,913		
May	14,631		14,631		
June	12,997		12,997		
<b>BiPAP</b>					
<i>2016</i>					
July	198		198		
August	264		264		
September	262		262		
October	195		195		
November	292		292		
December	293		293		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	348		348		
February	349		349		
March	264		264		
April	319		319		
May	224		224		
June	272		272		
<b>Supplemental oxygen</b>					
<b>2016</b>					
July	6,132		6,132		
August	6,911		6,911		
September	8,144		8,144		
October	8,947		8,947		
November	11,132		11,132		
December	14,018		14,018		
<b>2017</b>					
January	14,486		14,486		
February	14,110		14,110		
March	13,662		13,662		
April	10,016		10,016		
May	8,632		8,632		
June	6,978		6,978		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	1,813		1,813		
August	1,902		1,902		
September	1,947		1,947		
October	2,091		2,091		
November	2,408		2,408		
December	2,802		2,802		
<i>2017</i>					
January	2,945		2,945		
February	2,738		2,738		
March	2,683		2,683		
April	2,187		2,187		
May	2,123		2,123		
June	1,964		1,964		
<b>Critical Care</b>					
<i>2016</i>					
July	14,149		14,149		
August	14,078		14,078		
September	14,802		14,802		
October	15,014		15,014		
November	16,859		16,859		
December	20,452		20,452		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	21,434		21,434		
February	19,893		19,893		
March	19,971		19,971		
April	16,568		16,568		
May	15,794		15,794		
June	13,998		13,998		
<b>ECMO</b>					
<b>2016</b>					
July	3		3		
August	15		15		
September	13		13		
October	18		18		
November	10		10		
December	15		15		
<b>2017</b>					
January	10		10		
February	20		20		
March	14		14		
April	10		10		
May	20		20		
June	9		9		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Death</b>					
<i>2016</i>					
July	789		789		
August	891		891		
September	776		776		
October	855		855		
November	927		927		
December	984		984		
<i>2017</i>					
January	1,145		1,145		
February	965		965		
March	986		986		
April	844		844		
May	884		884		
June	756		756		
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	11,035		11,035		
August	10,840		10,840		
September	11,121		11,121		
October	10,583		10,583		
November	12,756		12,756		
December	16,571		16,571		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	17,898		17,898		
February	16,738		16,738		
March	16,701		16,701		
April	13,888		13,888		
May	12,777		12,777		
June	11,306		11,306		
<b>P and I - Excluded: Outcome and Treatment, on Day of Diagnosis</b>					
<b>Hospitalization</b>					
<b>2016</b>					
July	0		0		
August	2		2		
September	0		0		
October	7		7		
November	5		5		
December	11		11		
<b>2017</b>					
January	27		27		
February	52		52		
March	32		32		
April	9		9		
May	1		1		
June	1		1		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	2		2		
October	2		2		
November	1		1		
December	7		7		
<i>2017</i>					
January	6		6		
February	24		24		
March	9		9		
April	5		5		
May	1		1		
June	0		0		
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	11		11		
August	20		20		
September	60		60		
October	94		94		
November	158		158		
December	609		609		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	1,459		1,459		
February	2,252		2,252		
March	1,654		1,654		
April	542		542		
May	149		149		
June	40		40		
<b>Mechanical ventilation</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	0		0		
October	2		2		
November	0		0		
December	0		0		
<b>2017</b>					
January	1		1		
February	8		8		
March	4		4		
April	0		0		
May	0		0		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Critical Care</b>					
<i>2016</i>					
July	0		0		
August	2		2		
September	0		0		
October	8		8		
November	13		13		
December	23		23		
<i>2017</i>					
January	38		38		
February	70		70		
March	56		56		
April	13		13		
May	0		0		
June	4		4		
<b>ECMO</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	0		0		
February	1		1		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
<b>Death</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	0		0		
December	0		0		
<b>2017</b>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	0		0		
August	2		2		
September	0		0		
October	5		5		
November	5		5		
December	11		11		
<i>2017</i>					
January	22		22		
February	47		47		
March	28		28		
April	9		9		
May	1		1		
June	1		1		
<b>P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	5		5		
December	18		18		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	29		29		
February	29		29		
March	23		23		
April	9		9		
May	2		2		
June	0		0		
<b>BiPAP</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	2		2		
<b>2017</b>					
January	1		1		
February	4		4		
March	2		2		
April	0		0		
May	2		2		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	1		1		
August	0		0		
September	1		1		
October	1		1		
November	2		2		
December	20		20		
<i>2017</i>					
January	32		32		
February	58		58		
March	41		41		
April	13		13		
May	0		0		
June	0		0		
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	0		0		
February	1		1		
March	2		2		
April	1		1		
May	1		1		
June	0		0		
<b>Critical Care</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	2		2		
December	21		21		
<b>2017</b>					
January	27		27		
February	28		28		
March	44		44		
April	11		11		
May	6		6		
June	1		1		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2017</i>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
<b>Death</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	1		1		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
<b>Discharge from hospital alive</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	5		5		
December	16		16		
<b>2017</b>					
January	20		20		
February	18		18		
March	18		18		
April	7		7		
May	1		1		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>MAARI - Treated Day of Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	832		832	64.7	1.00
August	1,101		1,101	85.9	1.00
September	2,576		2,576	200.0	1.00
October	4,550		4,550	354.4	1.00
November	7,637		7,637	596.1	1.00
December	25,487		25,487	1,884.6	1.01
<i>2017</i>					
January	65,911		65,911	5,177.3	1.00
February	119,235		119,235	9,359.4	1.00
March	86,155		86,155	6,765.6	1.01
April	25,797		25,797	2,025.4	1.01
May	7,457		7,457	584.1	1.01
June	2,476		2,476	111.7	1.00
<b>BiPAP</b>					
<i>2016</i>					
July	832		832	65.3	1.00
August	1,102		1,102	86.6	1.00
September	2,575		2,575	202.3	1.00
October	4,551		4,551	358.2	1.00
November	7,640		7,640	600.7	1.00
December	25,487		25,487	1,892.8	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	65,930		65,930	5,196.2	1.00
February	119,239		119,239	9,386.2	1.00
March	86,173		86,173	6,785.5	1.01
April	25,799		25,799	2,034.4	1.01
May	7,458		7,458	587.5	1.01
June	2,477		2,477	112.0	1.00
<b>Supplemental oxygen</b>					
<b>2016</b>					
July	821		821	64.2	1.00
August	1,086		1,086	84.5	1.00
September	2,523		2,523	196.0	1.00
October	4,461		4,461	348.5	1.00
November	7,489		7,489	585.5	1.00
December	24,966		24,966	1,845.5	1.01
<b>2017</b>					
January	64,693		64,693	5,078.1	1.00
February	117,299		117,299	9,201.1	1.00
March	84,680		84,680	6,639.6	1.01
April	25,295		25,295	1,983.1	1.01
May	7,320		7,320	573.5	1.01
June	2,436		2,436	109.7	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	832		832	65.6	1.00
August	1,102		1,102	86.9	1.00
September	2,576		2,576	202.4	1.00
October	4,553		4,553	358.9	1.00
November	7,642		7,642	602.0	1.00
December	25,496		25,496	1,896.7	1.01
<i>2017</i>					
January	65,934		65,934	5,206.0	1.00
February	119,258		119,258	9,403.5	1.00
March	86,179		86,179	6,800.0	1.01
April	25,805		25,805	2,037.9	1.01
May	7,459		7,459	588.7	1.01
June	2,477		2,477	112.2	1.00
<b>Critical Care</b>					
<i>2016</i>					
July	832		832	64.8	1.00
August	1,100		1,100	86.0	1.00
September	2,576		2,576	201.0	1.00
October	4,548		4,548	355.1	1.00
November	7,631		7,631	596.9	1.00
December	25,474		25,474	1,888.7	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	65,901		65,901	5,186.8	1.00
February	119,202		119,202	9,368.5	1.00
March	86,131		86,131	6,771.0	1.01
April	25,792		25,792	2,027.6	1.01
May	7,458		7,458	584.9	1.01
June	2,474		2,474	111.6	1.00
<b>ECMO</b>					
<b>2016</b>					
July	832		832	65.7	1.00
August	1,102		1,102	86.9	1.00
September	2,576		2,576	202.8	1.00
October	4,553		4,553	359.2	1.00
November	7,642		7,642	602.1	1.00
December	25,496		25,496	1,897.6	1.01
<b>2017</b>					
January	65,935		65,935	5,207.1	1.00
February	119,262		119,262	9,405.6	1.00
March	86,182		86,182	6,802.3	1.01
April	25,805		25,805	2,038.8	1.01
May	7,459		7,459	589.0	1.01
June	2,477		2,477	112.2	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Death</b>					
<i>2016</i>					
July	832		832	65.7	1.00
August	1,102		1,102	86.9	1.00
September	2,576		2,576	202.8	1.00
October	4,553		4,553	359.2	1.00
November	7,642		7,642	602.1	1.00
December	25,496		25,496	1,897.3	1.01
<i>2017</i>					
January	65,935		65,935	5,206.5	1.00
February	119,263		119,263	9,405.1	1.00
March	86,182		86,182	6,801.7	1.01
April	25,805		25,805	2,038.7	1.01
May	7,459		7,459	589.0	1.01
June	2,477		2,477	112.2	1.00
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	832		832	64.7	1.00
August	1,101		1,101	85.9	1.00
September	2,576		2,576	200.2	1.00
October	4,550		4,550	354.8	1.00
November	7,637		7,637	596.6	1.00
December	25,488		25,488	1,886.1	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	65,916		65,916	5,179.9	1.00
February	119,236		119,236	9,363.8	1.00
March	86,159		86,159	6,769.8	1.01
April	25,797		25,797	2,026.4	1.01
May	7,457		7,457	584.6	1.01
June	2,476		2,476	111.7	1.00
<b>MAARI - Treated After Day of Diagnosis</b>					
<b>Hospitalization</b>					
<b>2016</b>					
July	69		69	5.2	1.00
August	107		107	8.0	1.00
September	196		196	14.8	1.00
October	337		337	25.4	1.00
November	577		577	42.9	1.00
December	2,263		2,263	161.7	1.01
<b>2017</b>					
January	5,286		5,286	397.7	1.00
February	8,573		8,573	646.1	1.00
March	5,836		5,836	438.3	1.01
April	1,727		1,727	130.2	1.01
May	522		522	39.3	1.00
June	165		165	7.0	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
<i>2016</i>					
July	69		69	5.3	1.00
August	107		107	8.2	1.00
September	199		199	15.2	1.00
October	341		341	26.0	1.00
November	591		591	44.8	1.00
December	2,310		2,310	166.3	1.01
<i>2017</i>					
January	5,358		5,358	407.4	1.00
February	8,654		8,654	658.6	1.00
March	5,902		5,902	448.4	1.01
April	1,748		1,748	133.3	1.01
May	529		529	40.1	1.00
June	169		169	7.3	1.00
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	68		68	5.0	1.00
August	105		105	7.9	1.00
September	189		189	14.3	1.00
October	328		328	24.8	1.00
November	553		553	41.9	1.00
December	2,148		2,148	153.3	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	5,044		5,044	380.7	1.00
February	8,167		8,167	617.3	1.00
March	5,460		5,460	411.4	1.01
April	1,585		1,585	119.9	1.01
May	497		497	37.5	1.00
June	151		151	6.4	1.00
<b>Mechanical ventilation</b>					
<b>2016</b>					
July	69		69	5.3	1.00
August	107		107	8.2	1.00
September	199		199	15.2	1.00
October	341		341	25.9	1.00
November	592		592	44.9	1.00
December	2,311		2,311	166.5	1.01
<b>2017</b>					
January	5,360		5,360	408.2	1.00
February	8,653		8,653	659.3	1.00
March	5,898		5,898	448.7	1.01
April	1,748		1,748	133.3	1.01
May	528		528	40.2	1.00
June	169		169	7.3	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Critical Care</b>					
<i>2016</i>					
July	66		66	5.1	1.00
August	107		107	8.1	1.00
September	197		197	14.8	1.00
October	337		337	25.4	1.00
November	570		570	42.9	1.00
December	2,257		2,257	161.8	1.01
<i>2017</i>					
January	5,257		5,257	397.6	1.00
February	8,528		8,528	644.2	1.00
March	5,784		5,784	436.1	1.01
April	1,708		1,708	129.3	1.01
May	515		515	38.8	1.00
June	162		162	6.9	1.00
<b>ECMO</b>					
<i>2016</i>					
July	69		69	5.3	1.00
August	107		107	8.2	1.00
September	199		199	15.2	1.00
October	341		341	26.0	1.00
November	592		592	45.0	1.00
December	2,311		2,311	166.5	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	5,360		5,360	408.6	1.00
February	8,655		8,655	659.8	1.00
March	5,903		5,903	449.6	1.01
April	1,748		1,748	133.4	1.01
May	529		529	40.3	1.00
June	169		169	7.3	1.00
<b>Death</b>					
<b>2016</b>					
July	69		69	5.3	1.00
August	107		107	8.2	1.00
September	199		199	15.2	1.00
October	341		341	26.0	1.00
November	592		592	45.0	1.00
December	2,310		2,310	166.5	1.01
<b>2017</b>					
January	5,360		5,360	408.3	1.00
February	8,655		8,655	659.4	1.00
March	5,903		5,903	449.5	1.01
April	1,748		1,748	133.5	1.01
May	529		529	40.3	1.00
June	169		169	7.3	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	69		69	5.2	1.00
August	107		107	8.0	1.00
September	196		196	14.8	1.00
October	337		337	25.4	1.00
November	579		579	43.3	1.00
December	2,269		2,269	162.1	1.01
<i>2017</i>					
January	5,298		5,298	399.1	1.00
February	8,584		8,584	648.4	1.00
March	5,847		5,847	440.0	1.01
April	1,729		1,729	130.7	1.01
May	523		523	39.5	1.00
June	165		165	7.0	1.00
<b>MAARI - Treated 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	107		107	7.9	1.00
August	162		162	11.8	1.00
September	292		292	21.6	1.00
October	510		510	37.6	1.00
November	890		890	64.1	1.00
December	3,501		3,501	244.3	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	7,987		7,987	587.5	1.00
February	13,057		13,057	960.4	1.00
March	8,811		8,811	647.8	1.00
April	2,656		2,656	195.3	1.01
May	817		817	60.2	1.00
June	250		250	10.3	1.00
<b>BiPAP</b>					
<b>2016</b>					
July	125		125	9.3	1.00
August	168		168	12.6	1.00
September	312		312	23.3	1.00
October	541		541	40.1	1.00
November	973		973	71.7	1.00
December	3,885		3,885	272.3	1.01
<b>2017</b>					
January	8,706		8,706	645.6	1.00
February	14,102		14,102	1,044.7	1.00
March	9,578		9,578	708.7	1.01
April	2,933		2,933	217.4	1.01
May	872		872	64.7	1.00
June	271		271	11.3	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	122		122	8.9	1.00
August	164		164	12.1	1.00
September	292		292	21.5	1.00
October	512		512	37.6	1.00
November	902		902	66.2	1.00
December	3,557		3,557	246.8	1.01
<i>2017</i>					
January	8,030		8,030	590.5	1.00
February	13,066		13,066	960.2	1.00
March	8,740		8,740	640.9	1.01
April	2,649		2,649	193.9	1.01
May	810		810	59.7	1.00
June	246		246	10.2	1.00
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	125		125	9.3	1.00
August	168		168	12.6	1.00
September	312		312	23.3	1.00
October	540		540	40.0	1.00
November	971		971	71.7	1.00
December	3,882		3,882	272.2	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	8,702		8,702	646.3	1.00
February	14,083		14,083	1,044.8	1.00
March	9,567		9,567	708.8	1.01
April	2,929		2,929	217.1	1.01
May	873		873	65.0	1.00
June	269		269	11.3	1.00
<b>Critical Care</b>					
<b>2016</b>					
July	110		110	8.1	1.00
August	162		162	11.9	1.00
September	296		296	21.9	1.00
October	510		510	37.6	1.00
November	885		885	64.6	1.00
December	3,531		3,531	247.2	1.01
<b>2017</b>					
January	8,030		8,030	593.9	1.00
February	13,013		13,013	959.3	1.00
March	8,780		8,780	647.1	1.01
April	2,657		2,657	195.8	1.01
May	808		808	59.7	1.00
June	240		240	10.0	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
<i>2016</i>					
July	125		125	9.3	1.00
August	168		168	12.6	1.00
September	312		312	23.3	1.00
October	541		541	40.1	1.00
November	974		974	72.1	1.00
December	3,890		3,890	272.8	1.01
<i>2017</i>					
January	8,711		8,711	647.6	1.00
February	14,114		14,114	1,047.9	1.00
March	9,589		9,589	711.7	1.01
April	2,934		2,934	217.9	1.01
May	874		874	65.0	1.00
June	271		271	11.3	1.00
<b>Death</b>					
<i>2016</i>					
July	125		125	9.3	1.00
August	168		168	12.6	1.00
September	312		312	23.3	1.00
October	541		541	40.1	1.00
November	974		974	72.1	1.00
December	3,889		3,889	272.4	1.01

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	8,711		8,711	647.0	1.00
February	14,114		14,114	1,047.1	1.00
March	9,589		9,589	711.4	1.01
April	2,934		2,934	217.7	1.01
May	874		874	65.0	1.00
June	271		271	11.3	1.00
<b>Discharge from hospital alive</b>					
<b>2016</b>					
July	107		107	7.9	1.00
August	162		162	11.8	1.00
September	293		293	21.7	1.00
October	512		512	37.7	1.00
November	898		898	65.1	1.00
December	3,535		3,535	246.6	1.01
<b>2017</b>					
January	8,054		8,054	593.1	1.00
February	13,151		13,151	968.9	1.00
March	8,886		8,886	653.8	1.00
April	2,681		2,681	197.4	1.01
May	824		824	60.8	1.00
June	250		250	10.3	1.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>MAARI - NOT Treated 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	386,819		386,819	25,181.3	0.00
August	511,381		511,381	33,291.4	0.00
September	627,151		627,151	40,783.3	0.00
October	667,045		667,045	43,448.0	0.00
November	826,130		826,130	53,724.9	0.00
December	978,653		978,653	61,524.6	0.00
<i>2017</i>					
January	951,851		951,851	62,010.3	0.00
February	958,550		958,550	62,413.1	0.00
March	878,924		878,924	57,250.3	0.00
April	639,959		639,959	41,697.1	0.00
May	625,966		625,966	40,756.0	0.00
June	369,880		369,880	13,189.1	0.00
<b>BiPAP</b>					
<i>2016</i>					
July	388,988		388,988	25,375.4	0.00
August	513,627		513,627	33,503.2	0.00
September	629,801		629,801	41,032.8	0.00
October	669,819		669,819	43,717.3	0.00
November	829,278		829,278	54,018.9	0.00
December	982,979		982,979	61,891.4	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	957,242		957,242	62,480.7	0.00
February	963,899		963,899	62,851.0	0.00
March	883,732		883,732	57,652.0	0.00
April	643,230		643,230	41,975.1	0.00
May	628,712		628,712	40,999.3	0.00
June	371,463		371,463	13,263.9	0.00
<b>Supplemental oxygen</b>					
<b>2016</b>					
July	381,014		381,014	24,814.6	0.00
August	502,569		502,569	32,716.8	0.00
September	615,428		615,428	40,012.6	0.00
October	654,107		654,107	42,593.8	0.00
November	809,846		809,846	52,639.1	0.00
December	958,841		958,841	60,245.1	0.00
<b>2017</b>					
January	933,388		933,388	60,796.6	0.00
February	941,747		941,747	61,301.5	0.00
March	863,041		863,041	56,207.3	0.00
April	627,524		627,524	40,885.4	0.00
May	614,279		614,279	40,003.4	0.00
June	363,848		363,848	12,975.0	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	389,129		389,129	25,420.1	0.00
August	513,881		513,881	33,561.2	0.00
September	630,128		630,128	41,113.1	0.00
October	670,211		670,211	43,801.4	0.00
November	829,799		829,799	54,136.9	0.00
December	983,723		983,723	62,047.5	0.00
<i>2017</i>					
January	957,688		957,688	62,615.1	0.00
February	964,273		964,273	62,981.3	0.00
March	884,071		884,071	57,767.8	0.00
April	643,574		643,574	42,065.6	0.00
May	629,082		629,082	41,085.5	0.00
June	371,770		371,770	13,289.1	0.00
<b>Critical Care</b>					
<i>2016</i>					
July	386,809		386,809	25,208.1	0.00
August	511,377		511,377	33,323.4	0.00
September	627,138		627,138	40,826.6	0.00
October	667,080		667,080	43,494.6	0.00
November	826,221		826,221	53,788.6	0.00
December	978,844		978,844	61,601.8	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	952,056		952,056	62,090.7	0.00
February	958,763		958,763	62,486.7	0.00
March	879,050		879,050	57,315.0	0.00
April	640,032		640,032	41,737.3	0.00
May	625,972		625,972	40,795.7	0.00
June	369,881		369,881	13,199.8	0.00
<b>ECMO</b>					
<b>2016</b>					
July	389,321		389,321	25,438.0	0.00
August	514,052		514,052	33,577.9	0.00
September	630,343		630,343	41,135.1	0.00
October	670,439		670,439	43,826.3	0.00
November	830,113		830,113	54,168.3	0.00
December	984,120		984,120	62,085.4	0.00
<b>2017</b>					
January	958,283		958,283	62,666.5	0.00
February	964,865		964,865	63,030.9	0.00
March	884,569		884,569	57,808.9	0.00
April	643,897		643,897	42,095.1	0.00
May	629,316		629,316	41,108.1	0.00
June	371,910		371,910	13,296.4	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>Death</b>					
<i>2016</i>					
July	389,280		389,280	25,431.2	0.00
August	514,020		514,020	33,572.0	0.00
September	630,296		630,296	41,127.3	0.00
October	670,394		670,394	43,818.0	0.00
November	830,030		830,030	54,156.1	0.00
December	984,050		984,050	62,071.3	0.00
<i>2017</i>					
January	958,160		958,160	62,647.3	0.00
February	964,722		964,722	63,013.2	0.00
March	884,399		884,399	57,791.8	0.00
April	643,803		643,803	42,083.4	0.00
May	629,242		629,242	41,100.3	0.00
June	371,848		371,848	13,292.3	0.00
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	387,087		387,087	25,210.6	0.00
August	511,690		511,690	33,329.2	0.00
September	627,592		627,592	40,835.7	0.00
October	667,648		667,648	43,513.0	0.00
November	826,748		826,748	53,792.6	0.00
December	979,416		979,416	61,602.6	0.00

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	952,648		952,648	62,092.7	0.00
February	959,283		959,283	62,489.0	0.00
March	879,578		879,578	57,313.7	0.00
April	640,386		640,386	41,741.8	0.00
May	626,294		626,294	40,792.6	0.00
June	370,096		370,096	13,200.6	0.00
<b>MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<b>2016</b>					
July	2,531		2,531		
August	2,689		2,689		
September	3,229		3,229		
October	3,438		3,438		
November	4,080		4,080		
December	5,966		5,966		
<b>2017</b>					
January	7,151		7,151		
February	7,372		7,372		
March	6,422		6,422		
April	4,216		4,216		
May	3,416		3,416		
June	2,434		2,434		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>BiPAP</b>					
<i>2016</i>					
July	335		335		
August	432		432		
September	545		545		
October	625		625		
November	841		841		
December	1,182		1,182		
<i>2017</i>					
January	1,045		1,045		
February	987		987		
March	849		849		
April	668		668		
May	608		608		
June	532		532		
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	8,322		8,322		
August	11,520		11,520		
September	14,990		14,990		
October	16,402		16,402		
November	20,409		20,409		
December	26,239		26,239		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	25,567		25,567		
February	24,112		24,112		
March	22,355		22,355		
April	16,654		16,654		
May	15,121		15,121		
June	9,681		9,681		
<b>Mechanical ventilation</b>					
<b>2016</b>					
July	197		197		
August	176		176		
September	222		222		
October	238		238		
November	321		321		
December	429		429		
<b>2017</b>					
January	610		610		
February	639		639		
March	531		531		
April	328		328		
May	241		241		
June	168		168		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Critical Care</b>					
<i>2016</i>					
July	2,545		2,545		
August	2,694		2,694		
September	3,244		3,244		
October	3,411		3,411		
November	4,003		4,003		
December	5,753		5,753		
<i>2017</i>					
January	6,920		6,920		
February	7,222		7,222		
March	6,313		6,313		
April	4,147		4,147		
May	3,420		3,420		
June	2,474		2,474		
<b>ECMO</b>					
<i>2016</i>					
July	2		2		
August	5		5		
September	2		2		
October	5		5		
November	1		1		
December	6		6		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	2		2		
February	8		8		
March	4		4		
April	0		0		
May	3		3		
June	0		0		
<b>Death</b>					
<b>2016</b>					
July	54		54		
August	44		44		
September	60		60		
October	64		64		
November	94		94		
December	105		105		
<b>2017</b>					
January	148		148		
February	176		176		
March	194		194		
April	105		105		
May	82		82		
June	70		70		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	2,258		2,258		
August	2,380		2,380		
September	2,780		2,780		
October	2,829		2,829		
November	3,450		3,450		
December	5,145		5,145		
<i>2017</i>					
January	6,284		6,284		
February	6,541		6,541		
March	5,689		5,689		
April	3,763		3,763		
May	3,079		3,079		
June	2,179		2,179		
<b>MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	0		0		
August	1		1		
September	0		0		
October	3		3		
November	5		5		
December	9		9		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	24		24		
February	28		28		
March	27		27		
April	8		8		
May	2		2		
June	1		1		
<b>BiPAP</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	1		1		
October	2		2		
November	2		2		
December	9		9		
<b>2017</b>					
January	5		5		
February	24		24		
March	9		9		
April	6		6		
May	1		1		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Supplemental oxygen</b>					
<i>2016</i>					
July	11		11		
August	16		16		
September	53		53		
October	92		92		
November	153		153		
December	532		532		
<i>2017</i>					
January	1,242		1,242		
February	1,966		1,966		
March	1,503		1,503		
April	511		511		
May	139		139		
June	41		41		
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Members with a Diagnosis</b>	<b>Eligible Members<sup>1</sup></b>	<b>New Diagnoses</b>	<b>Years at Risk</b>	<b>Dispensings per Member</b>
<b>2017</b>					
January	1		1		
February	5		5		
March	3		3		
April	0		0		
May	0		0		
June	0		0		
<b>Critical Care</b>					
<b>2016</b>					
July	0		0		
August	2		2		
September	0		0		
October	5		5		
November	11		11		
December	22		22		
<b>2017</b>					
January	34		34		
February	61		61		
March	51		51		
April	13		13		
May	1		1		
June	3		3		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>ECMO</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2017</i>					
January	0		0		
February	1		1		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
<b>Death</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	1		1		
October	0		0		
November	0		0		
December	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
<b>Discharge from hospital alive</b>					
<b>2016</b>					
July	0		0		
August	1		1		
September	0		0		
October	3		3		
November	5		5		
December	8		8		
<b>2017</b>					
January	19		19		
February	27		27		
March	23		23		
April	8		8		
May	2		2		
June	1		1		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>					
<b>Hospitalization</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	3		3		
December	18		18		
<i>2017</i>					
January	24		24		
February	26		26		
March	21		21		
April	6		6		
May	3		3		
June	0		0		
<b>BiPAP</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	3		3		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	2		2		
February	4		4		
March	4		4		
April	0		0		
May	2		2		
June	0		0		
<b>Supplemental oxygen</b>					
<b>2016</b>					
July	2		2		
August	2		2		
September	4		4		
October	4		4		
November	2		2		
December	42		42		
<b>2017</b>					
January	70		70		
February	120		120		
March	84		84		
April	29		29		
May	6		6		
June	4		4		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Mechanical ventilation</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<i>2017</i>					
January	0		0		
February	1		1		
March	4		4		
April	1		1		
May	1		1		
June	0		0		
<b>Critical Care</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	2		2		
December	22		22		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	24		24		
February	24		24		
March	40		40		
April	10		10		
May	5		5		
June	1		1		
<b>ECMO</b>					
<b>2016</b>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	0		0		
<b>2017</b>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>Death</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	0		0		
December	1		1		
<i>2017</i>					
January	0		0		
February	0		0		
March	0		0		
April	0		0		
May	0		0		
June	0		0		
<b>Discharge from hospital alive</b>					
<i>2016</i>					
July	0		0		
August	0		0		
September	0		0		
October	0		0		
November	3		3		
December	16		16		

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Members with a Diagnosis	Eligible Members <sup>1</sup>	New Diagnoses	Years at Risk	Dispensings per Member
<b>2017</b>					
January	17		17		
February	18		18		
March	15		15		
April	4		4		
May	2		2		
June	0		0		

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

*Data are not presented in shaded cells due to their inability to be calculated*

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ILI</b>						
<b>Total</b>						
<i>2016</i>						
July	1.40	5.14				3,624,883.0
August	1.54	5.16				3,636,547.7
September	1.82	5.20				3,518,378.7
October	2.07	5.29				3,628,124.0
November	2.34	5.22				3,510,682.0
December	2.90	5.16				3,613,451.8
<i>2017</i>						
January	3.15	5.24				3,265,484.9
February	3.24	5.25				2,945,644.2
March	3.11	5.25				3,271,671.1
April	2.80	5.24				3,193,761.9
May	2.54	5.23				3,312,956.5
June	2.11	5.24				3,223,952.1
<b>Treated on Day of Diagnosis</b>						
<i>2016</i>						
July	5.18	5.18				
August	5.20	5.20				
September	5.23	5.23				
October	5.31	5.30				
November	5.23	5.23				
December	5.24	5.21				

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.29	5.27				
February	5.30	5.28				
March	5.31	5.28				
April	5.29	5.26				
May	5.28	5.26				
June	5.30	5.27				
<b>Treated Day After Diagnosis</b>						
<b>2016</b>						
July	5.07	5.07				
August	4.94	4.94				
September	5.27	5.27				
October	5.23	5.23				
November	5.42	5.42				
December	5.18	5.14				
<b>2017</b>						
January	5.26	5.25				
February	5.29	5.27				
March	5.23	5.21				
April	5.31	5.28				
May	5.21	5.19				
June	5.20	5.20				

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Treated 1-5 Days After Diagnosis</b>						
<i>2016</i>						
July	4.82	4.82				
August	4.75	4.75				
September	5.00	5.00				
October	5.14	5.14				
November	5.21	5.21				
December	4.90	4.88				
<i>2017</i>						
January	4.94	4.93				
February	5.00	4.99				
March	4.92	4.90				
April	5.01	4.99				
May	4.93	4.91				
June	4.94	4.94				

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>NOT Treated Within 5 Days of Diagnosis</b>						
<i>2016</i>						
July	0.00					
August	0.00					
September	0.00					
October	0.00					
November	0.00					
December	0.00					
<i>2017</i>						
January	0.00					
February	0.00					
March	0.00					
April	0.00					
May	0.00					
June	0.00					
<b>P and I</b>						
<b>Total</b>						
<i>2016</i>						
July	0.08	5.14				3,618,288.1
August	0.09	5.15				3,630,266.3
September	0.18	5.20				3,511,890.9
October	0.30	5.29				3,620,626.4
November	0.40	5.22				3,502,732.0
December	1.04	5.16				3,604,058.1

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	1.79	5.24				3,255,818.3
February	2.37	5.25				2,937,053.7
March	2.09	5.25				3,262,473.0
April	1.16	5.24				3,185,443.4
May	0.50	5.22				3,305,130.7
June	0.19	5.23				3,217,030.0
<b>Treated on Day of Diagnosis</b>						
<b>2016</b>						
July	5.19	5.19				
August	5.20	5.20				
September	5.23	5.23				
October	5.31	5.30				
November	5.23	5.22				
December	5.25	5.21				
<b>2017</b>						
January	5.29	5.27				
February	5.30	5.28				
March	5.31	5.28				
April	5.29	5.26				
May	5.28	5.26				
June	5.30	5.27				

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Treated Day After Diagnosis</b>						
<i>2016</i>						
July	5.07	5.07				
August	4.94	4.94				
September	5.28	5.28				
October	5.25	5.25				
November	5.42	5.42				
December	5.17	5.14				
<i>2017</i>						
January	5.26	5.25				
February	5.29	5.28				
March	5.24	5.22				
April	5.30	5.28				
May	5.21	5.19				
June	5.22	5.22				
<b>Treated 1-5 Days After Diagnosis</b>						
<i>2016</i>						
July	4.77	4.77				
August	4.75	4.75				
September	5.01	5.01				
October	5.18	5.18				
November	5.19	5.19				
December	4.90	4.87				

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	4.94	4.92				
February	5.01	4.99				
March	4.93	4.91				
April	4.97	4.96				
May	4.88	4.86				
June	4.81	4.81				
<b>NOT Treated Within 5 Days of Diagnosis</b>						
<b>2016</b>						
July	0.00					
August	0.00					
September	0.00					
October	0.00					
November	0.00					
December	0.00					
<b>2017</b>						
January	0.00					
February	0.00					
March	0.00					
April	0.00					
May	0.00					
June	0.00					

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>MAARI</b>						
<b>Total</b>						
<i>2016</i>						
July	0.01	5.15				3,586,741.7
August	0.01	5.23				3,599,463.9
September	0.02	5.23				3,470,538.7
October	0.04	5.31				3,570,734.2
November	0.05	5.25				3,447,236.8
December	0.15	5.19				3,534,533.6
<i>2017</i>						
January	0.38	5.28				3,187,109.3
February	0.65	5.30				2,871,055.8
March	0.52	5.28				3,194,189.5
April	0.23	5.27				3,130,437.6
May	0.07	5.26				3,257,276.8
June	0.03	5.26				3,178,673.4
<b>Treated on Day of Diagnosis</b>						
<i>2016</i>						
July	5.17	5.17				
August	5.26	5.26				
September	5.24	5.24				
October	5.32	5.31				
November	5.26	5.26				
December	5.26	5.23				

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.32	5.29				
February	5.33	5.31				
March	5.33	5.30				
April	5.31	5.28				
May	5.30	5.27				
June	5.29	5.28				
<b>Treated Day After Diagnosis</b>						
<b>2016</b>						
July	5.14	5.14				
August	5.10	5.10				
September	5.30	5.30				
October	5.29	5.29				
November	5.35	5.35				
December	5.21	5.17				
<b>2017</b>						
January	5.36	5.34				
February	5.38	5.36				
March	5.28	5.25				
April	5.38	5.34				
May	5.23	5.21				
June	5.18	5.18				

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Treated 1-5 Days After Diagnosis</b>						
<i>2016</i>						
July	4.96	4.96				
August	5.00	5.00				
September	5.22	5.22				
October	5.38	5.38				
November	5.24	5.24				
December	5.07	5.04				
<i>2017</i>						
January	5.20	5.18				
February	5.26	5.24				
March	5.14	5.11				
April	5.15	5.13				
May	5.13	5.11				
June	5.11	5.11				
<b>NOT Treated Within 5 Days of Diagnosis</b>						
<i>2016</i>						
July	0.00					
August	0.00					
September	0.00					
October	0.00					
November	0.00					
December	0.00					

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	0.00					
February	0.00					
March	0.00					
April	0.00					
May	0.00					
June	0.00					
<b>ILI - Treated Day of Diagnosis</b>						
<b>Hospitalization</b>						
<b>2016</b>						
July	5.18	5.18	18	22.50	289.86	
August	5.20	5.20	17	14.87	191.01	
September	5.23	5.23	43	17.17	221.08	
October	5.31	5.30	74	16.95	217.65	
November	5.23	5.23	101	13.53	173.48	
December	5.24	5.21	238	8.83	119.51	
<b>2017</b>						
January	5.29	5.27	560	7.86	100.06	
February	5.30	5.28	943	7.18	91.42	
March	5.31	5.28	706	7.59	96.61	
April	5.29	5.26	238	8.90	113.34	
May	5.28	5.26	76	10.24	130.52	
June	5.30	5.27	16	6.67	147.74	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Bilevel Positive Airway Pressure (BiPAP)</b>						
<i>2016</i>						
July	5.18	5.18	8	10.00	127.39	
August	5.20	5.20	4	3.50	44.54	
September	5.23	5.23	13	5.19	66.16	
October	5.31	5.30	20	4.58	58.17	
November	5.23	5.23	30	4.02	51.09	
December	5.24	5.21	106	3.93	53.02	
<i>2017</i>						
January	5.29	5.27	290	4.07	51.64	
February	5.30	5.28	494	3.76	47.75	
March	5.31	5.28	429	4.61	58.54	
April	5.29	5.26	114	4.26	54.07	
May	5.28	5.26	28	3.77	47.82	
June	5.30	5.27	4	1.67	36.76	
<b>Supplemental oxygen</b>						
<i>2016</i>						
July	5.18	5.18	12	15.21	194.49	
August	5.20	5.20	20	17.76	228.57	
September	5.23	5.23	48	19.60	252.50	
October	5.31	5.30	60	14.03	179.43	
November	5.23	5.23	76	10.39	132.87	
December	5.25	5.21	263	9.98	135.16	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.30	5.27	634	9.08	115.67	
February	5.30	5.28	1,081	8.37	106.69	
March	5.31	5.28	827	9.05	115.34	
April	5.30	5.26	295	11.26	143.62	
May	5.28	5.25	78	10.72	136.79	
June	5.29	5.27	21	8.89	197.00	
<b>Mechanical ventilation</b>						
<b>2016</b>						
July	5.18	5.18	2	2.50	31.70	
August	5.20	5.20	0	0.00	0.00	
September	5.23	5.23	6	2.40	30.50	
October	5.31	5.30	4	0.92	11.61	
November	5.23	5.23	1	0.13	1.70	
December	5.24	5.21	17	0.63	8.49	
<b>2017</b>						
January	5.29	5.27	17	0.24	3.02	
February	5.30	5.28	42	0.32	4.05	
March	5.31	5.28	40	0.43	5.45	
April	5.29	5.26	21	0.79	9.94	
May	5.28	5.26	4	0.54	6.82	
June	5.30	5.27	1	0.42	9.18	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Critical Care</b>						
<i>2016</i>						
July	5.18	5.18	13	16.25	208.33	
August	5.20	5.20	13	11.38	145.90	
September	5.23	5.23	29	11.58	148.41	
October	5.31	5.30	60	13.75	176.11	
November	5.23	5.23	81	10.86	138.91	
December	5.24	5.21	158	5.86	79.21	
<i>2017</i>						
January	5.29	5.27	355	4.98	63.33	
February	5.30	5.28	665	5.06	64.40	
March	5.31	5.28	536	5.76	73.30	
April	5.29	5.26	186	6.96	88.50	
May	5.28	5.26	60	8.08	102.90	
June	5.30	5.27	17	7.09	157.12	
<b>Extracorporeal membrane oxygenation (ECMO)</b>						
<i>2016</i>						
July	5.18	5.18	0	0.00	0.00	
August	5.20	5.20	0	0.00	0.00	
September	5.23	5.23	0	0.00	0.00	
October	5.31	5.30	0	0.00	0.00	
November	5.23	5.23	0	0.00	0.00	
December	5.24	5.21	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.29	5.27	0	0.00	0.00	
February	5.30	5.28	2	0.02	0.19	
March	5.31	5.28	0	0.00	0.00	
April	5.29	5.26	1	0.04	0.47	
May	5.28	5.26	0	0.00	0.00	
June	5.30	5.27	0	0.00	0.00	
<b>Death</b>						
<b>2016</b>						
July	5.18	5.18	0	0.00	0.00	
August	5.20	5.20	0	0.00	0.00	
September	5.23	5.23	1	0.40	5.07	
October	5.31	5.30	0	0.00	0.00	
November	5.23	5.23	0	0.00	0.00	
December	5.24	5.21	14	0.52	6.99	
<b>2017</b>						
January	5.29	5.27	20	0.28	3.55	
February	5.30	5.28	28	0.21	2.70	
March	5.31	5.28	23	0.25	3.13	
April	5.29	5.26	3	0.11	1.42	
May	5.28	5.26	0	0.00	0.00	
June	5.30	5.27	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July	5.18	5.18	18	22.50	289.86	
August	5.20	5.20	16	14.00	179.57	
September	5.23	5.23	40	15.97	205.44	
October	5.31	5.30	68	15.57	199.76	
November	5.23	5.23	93	12.46	159.60	
December	5.24	5.21	211	7.83	105.89	
<i>2017</i>						
January	5.29	5.27	494	6.94	88.21	
February	5.30	5.28	831	6.33	80.52	
March	5.31	5.28	615	6.61	84.11	
April	5.29	5.26	214	8.00	101.86	
May	5.28	5.26	68	9.16	116.70	
June	5.30	5.27	14	5.83	129.27	
<b>ILI - Treated Day After Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	1	12.82	169.49	
September	5.29	5.29	3	18.75	247.93	
October	5.23	5.23	8	32.00	430.11	
November	5.44	5.44	17	36.56	492.75	
December	5.18	5.15	34	16.67	233.04	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.27	5.25	105	22.53	299.83	
February	5.29	5.28	149	19.20	254.79	
March	5.24	5.22	138	26.42	352.76	
April	5.32	5.29	30	20.07	266.90	
May	5.22	5.20	10	22.22	294.99	
June	5.22	5.22	3	23.62	555.56	
<b>BiPAP</b>						
<b>2016</b>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	0	0.00	0.00	
September	5.27	5.27	0	0.00	0.00	
October	5.23	5.23	0	0.00	0.00	
November	5.42	5.42	6	12.50	164.38	
December	5.18	5.14	7	3.35	46.36	
<b>2017</b>						
January	5.26	5.25	18	3.80	49.94	
February	5.29	5.27	32	4.07	53.52	
March	5.23	5.21	32	6.04	79.60	
April	5.31	5.28	5	3.29	43.29	
May	5.21	5.19	2	4.38	57.64	
June	5.20	5.20	1	7.58	175.44	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Supplemental oxygen</b>						
<i>2016</i>						
July	5.08	5.08	3	46.15	625.00	
August	4.93	4.93	2	26.32	350.88	
September	5.28	5.28	1	6.49	85.47	
October	5.14	5.14	2	8.20	108.70	
November	5.44	5.44	6	13.57	178.57	
December	5.18	5.15	25	13.03	182.22	
<i>2017</i>						
January	5.28	5.27	65	14.76	195.55	
February	5.31	5.30	96	13.07	172.97	
March	5.27	5.25	67	13.87	184.02	
April	5.34	5.31	19	13.86	183.75	
May	5.25	5.22	5	11.74	154.80	
June	5.26	5.26	1	8.47	200.00	
<b>Mechanical ventilation</b>						
<i>2016</i>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	0	0.00	0.00	
September	5.27	5.27	0	0.00	0.00	
October	5.23	5.23	2	7.87	104.17	
November	5.42	5.42	2	4.17	54.64	
December	5.18	5.14	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.26	5.25	10	2.11	27.71	
February	5.29	5.27	8	1.02	13.36	
March	5.23	5.21	11	2.08	27.34	
April	5.31	5.28	1	0.66	8.65	
May	5.21	5.19	0	0.00	0.00	
June	5.20	5.20	0	0.00	0.00	
<b>Critical Care</b>						
<b>2016</b>						
July	5.08	5.08	1	15.15	196.08	
August	4.94	4.94	1	12.82	169.49	
September	5.24	5.24	5	31.06	409.84	
October	5.24	5.24	6	23.90	319.15	
November	5.44	5.44	13	28.26	377.91	
December	5.17	5.14	14	6.87	95.56	
<b>2017</b>						
January	5.27	5.26	69	14.94	197.65	
February	5.30	5.29	115	14.92	197.59	
March	5.25	5.23	93	18.00	239.20	
April	5.32	5.30	17	11.47	151.92	
May	5.22	5.20	8	18.06	239.52	
June	5.25	5.25	4	32.79	784.31	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
<i>2016</i>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	0	0.00	0.00	
September	5.27	5.27	0	0.00	0.00	
October	5.23	5.23	0	0.00	0.00	
November	5.42	5.42	0	0.00	0.00	
December	5.18	5.14	0	0.00	0.00	
<i>2017</i>						
January	5.26	5.25	0	0.00	0.00	
February	5.29	5.27	0	0.00	0.00	
March	5.23	5.21	0	0.00	0.00	
April	5.31	5.28	1	0.66	8.65	
May	5.21	5.19	0	0.00	0.00	
June	5.20	5.20	0	0.00	0.00	
<b>Death</b>						
<i>2016</i>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	0	0.00	0.00	
September	5.27	5.27	0	0.00	0.00	
October	5.23	5.23	0	0.00	0.00	
November	5.42	5.42	1	2.08	27.25	
December	5.18	5.15	2	0.96	13.23	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.26	5.25	14	2.96	38.78	
February	5.29	5.27	15	1.91	25.05	
March	5.23	5.21	8	1.51	19.84	
April	5.31	5.28	0	0.00	0.00	
May	5.21	5.19	0	0.00	0.00	
June	5.20	5.20	0	0.00	0.00	
<b>Discharge from hospital alive</b>						
<b>2016</b>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	1	12.82	169.49	
September	5.29	5.29	3	18.75	247.93	
October	5.23	5.23	7	28.00	376.34	
November	5.43	5.43	13	27.84	372.49	
December	5.17	5.14	33	16.13	225.56	
<b>2017</b>						
January	5.27	5.25	94	20.12	267.50	
February	5.29	5.28	118	15.17	200.99	
March	5.24	5.22	106	20.25	269.38	
April	5.32	5.30	23	15.36	203.90	
May	5.22	5.20	9	19.96	264.71	
June	5.22	5.22	3	23.62	555.56	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ILI - Treated 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July	4.98	4.98	1	11.36	151.52	
August	4.87	4.87	3	32.97	447.76	
September	5.12	5.12	5	24.63	331.13	
October	5.20	5.20	9	28.85	389.61	
November	5.41	5.41	23	39.18	537.38	
December	5.06	5.04	55	20.90	296.34	
<i>2017</i>						
January	5.13	5.12	157	26.59	358.94	
February	5.17	5.16	224	23.18	312.06	
March	5.12	5.10	188	28.88	390.77	
April	5.22	5.20	46	24.47	330.46	
May	5.09	5.07	11	19.89	266.99	
June	5.12	5.12	3	19.11	461.54	
<b>BiPAP</b>						
<i>2016</i>						
July	4.82	4.82	2	19.80	263.16	
August	4.75	4.75	0	0.00	0.00	
September	5.00	5.00	0	0.00	0.00	
October	5.14	5.14	0	0.00	0.00	
November	5.21	5.21	9	13.49	181.45	
December	4.90	4.88	12	3.96	55.94	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	4.94	4.93	41	6.15	82.35	
February	5.00	4.99	73	6.72	90.03	
March	4.92	4.90	53	7.19	96.50	
April	5.01	4.99	12	5.54	74.26	
May	4.93	4.92	3	4.89	65.36	
June	4.94	4.94	1	5.56	135.14	
<b>Supplemental oxygen</b>						
<b>2016</b>						
July	4.82	4.82	3	30.61	416.67	
August	4.74	4.74	2	20.62	277.78	
September	5.05	5.05	6	28.85	387.10	
October	5.06	5.06	6	18.75	255.32	
November	5.24	5.24	11	18.18	244.99	
December	4.92	4.90	49	18.03	257.62	
<b>2017</b>						
January	4.98	4.97	111	18.33	247.66	
February	5.05	5.04	180	18.26	246.37	
March	4.99	4.97	129	19.70	267.03	
April	5.08	5.06	37	19.28	261.48	
May	5.00	4.98	9	15.93	214.80	
June	4.97	4.97	1	6.17	156.25	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>						
<i>2016</i>						
July	4.82	4.82	0	0.00	0.00	
August	4.75	4.75	0	0.00	0.00	
September	5.00	5.00	0	0.00	0.00	
October	5.14	5.14	2	5.87	78.74	
November	5.22	5.22	4	6.02	80.81	
December	4.91	4.88	3	0.99	14.00	
<i>2017</i>						
January	4.95	4.93	16	2.40	32.09	
February	5.00	4.99	22	2.03	27.13	
March	4.93	4.91	26	3.54	47.41	
April	5.01	5.00	4	1.85	24.77	
May	4.93	4.91	0	0.00	0.00	
June	4.98	4.98	0	0.00	0.00	
<b>Critical Care</b>						
<i>2016</i>						
July	4.98	4.98	2	22.22	294.12	
August	4.86	4.86	3	32.61	441.18	
September	5.11	5.11	7	33.82	454.55	
October	5.18	5.18	6	19.35	259.74	
November	5.40	5.40	20	34.54	470.59	
December	5.03	5.01	27	10.17	143.77	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.11	5.09	92	15.52	208.10	
February	5.17	5.16	176	18.27	245.50	
March	5.11	5.09	135	20.84	281.02	
April	5.19	5.17	35	18.58	250.36	
May	5.11	5.09	8	14.68	196.56	
June	5.21	5.21	4	27.59	666.67	
<b>ECMO</b>						
<b>2016</b>						
July	4.82	4.82	0	0.00	0.00	
August	4.75	4.75	0	0.00	0.00	
September	5.00	5.00	0	0.00	0.00	
October	5.14	5.14	0	0.00	0.00	
November	5.21	5.21	0	0.00	0.00	
December	4.90	4.88	0	0.00	0.00	
<b>2017</b>						
January	4.94	4.93	0	0.00	0.00	
February	5.00	4.99	0	0.00	0.00	
March	4.92	4.90	0	0.00	0.00	
April	5.01	4.99	1	0.46	6.17	
May	4.93	4.91	0	0.00	0.00	
June	4.94	4.94	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Death</b>						
<i>2016</i>						
July	4.82	4.82	0	0.00	0.00	
August	4.75	4.75	0	0.00	0.00	
September	5.00	5.00	0	0.00	0.00	
October	5.14	5.14	0	0.00	0.00	
November	5.21	5.21	3	4.50	60.24	
December	4.90	4.88	8	2.64	37.26	
<i>2017</i>						
January	4.94	4.93	21	3.15	42.03	
February	5.00	4.99	31	2.85	38.13	
March	4.92	4.90	17	2.31	30.84	
April	5.01	4.99	4	1.85	24.71	
May	4.93	4.91	0	0.00	0.00	
June	4.94	4.94	0	0.00	0.00	
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July	4.98	4.98	1	11.36	151.52	
August	4.87	4.87	3	32.97	447.76	
September	5.12	5.12	5	24.51	328.95	
October	5.19	5.19	8	25.48	344.83	
November	5.38	5.38	19	31.93	434.78	
December	5.04	5.01	48	17.96	254.78	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.11	5.10	139	23.27	313.77	
February	5.15	5.14	188	19.22	258.38	
March	5.10	5.08	162	24.56	331.83	
April	5.20	5.18	40	20.96	282.69	
May	5.07	5.05	9	16.07	215.31	
June	5.12	5.12	3	19.11	461.54	
<b>ILI - NOT Treated 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<b>2016</b>						
July	0.00		47	20.22	312.92	
August	0.00		42	14.85	229.26	
September	0.00		82	16.62	256.89	
October	0.00		95	13.40	207.02	
November	0.00		116	12.02	185.27	
December	0.00		207	9.36	149.75	
<b>2017</b>						
January	0.00		409	8.09	124.33	
February	0.00		614	7.09	109.09	
March	0.00		496	7.27	111.73	
April	0.00		219	8.81	135.44	
May	0.00		73	8.76	134.79	
June	0.00		33	10.35	276.15	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
<i>2016</i>						
July	0.00		6	2.50	38.31	
August	0.00		23	7.88	121.12	
September	0.00		23	4.55	69.89	
October	0.00		33	4.53	69.61	
November	0.00		41	4.12	63.30	
December	0.00		83	3.63	57.89	
<i>2017</i>						
January	0.00		149	2.86	43.86	
February	0.00		270	3.04	46.66	
March	0.00		205	2.93	44.96	
April	0.00		115	4.51	69.09	
May	0.00		33	3.87	59.34	
June	0.00		6	1.83	48.54	
<b>Supplemental oxygen</b>						
<i>2016</i>						
July	0.00		18	7.68	118.11	
August	0.00		33	11.58	178.28	
September	0.00		46	9.34	143.88	
October	0.00		64	9.05	139.46	
November	0.00		101	10.51	162.01	
December	0.00		196	8.92	142.64	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	0.00		390	7.77	119.50	
February	0.00		629	7.32	112.79	
March	0.00		487	7.21	110.88	
April	0.00		233	9.49	146.00	
May	0.00		66	8.01	123.25	
June	0.00		22	6.94	185.50	
<b>Mechanical ventilation</b>						
<b>2016</b>						
July	0.00		7	2.92	44.70	
August	0.00		8	2.74	42.02	
September	0.00		7	1.38	21.22	
October	0.00		15	2.06	31.63	
November	0.00		13	1.31	20.06	
December	0.00		22	0.97	15.37	
<b>2017</b>						
January	0.00		46	0.89	13.57	
February	0.00		60	0.68	10.38	
March	0.00		45	0.65	9.88	
April	0.00		34	1.33	20.43	
May	0.00		10	1.17	17.95	
June	0.00		4	1.22	32.36	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Critical Care</b>						
<i>2016</i>						
July	0.00		39	16.93	261.22	
August	0.00		28	9.93	153.01	
September	0.00		60	12.19	187.97	
October	0.00		66	9.32	143.67	
November	0.00		85	8.81	135.48	
December	0.00		173	7.83	125.02	
<i>2017</i>						
January	0.00		298	5.89	90.45	
February	0.00		442	5.11	78.50	
March	0.00		381	5.59	85.85	
April	0.00		171	6.89	105.77	
May	0.00		60	7.21	110.82	
June	0.00		27	8.53	227.27	
<b>ECMO</b>						
<i>2016</i>						
July	0.00		0	0.00	0.00	
August	0.00		0	0.00	0.00	
September	0.00		0	0.00	0.00	
October	0.00		0	0.00	0.00	
November	0.00		0	0.00	0.00	
December	0.00		0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	0.00		0	0.00	0.00	
February	0.00		1	0.01	0.17	
March	0.00		0	0.00	0.00	
April	0.00		0	0.00	0.00	
May	0.00		0	0.00	0.00	
June	0.00		0	0.00	0.00	
<b>Death</b>						
<b>2016</b>						
July	0.00		5	2.08	31.85	
August	0.00		3	1.03	15.71	
September	0.00		14	2.77	42.40	
October	0.00		17	2.33	35.76	
November	0.00		37	3.71	56.98	
December	0.00		77	3.37	53.67	
<b>2017</b>						
January	0.00		144	2.77	42.37	
February	0.00		231	2.60	39.88	
March	0.00		146	2.09	31.99	
April	0.00		53	2.08	31.78	
May	0.00		9	1.05	16.14	
June	0.00		6	1.83	48.62	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July	0.00		43	18.43	285.34	
August	0.00		41	14.43	222.83	
September	0.00		69	13.94	215.15	
October	0.00		83	11.66	179.89	
November	0.00		102	10.51	161.88	
December	0.00		168	7.57	120.92	
<i>2017</i>						
January	0.00		358	7.05	108.39	
February	0.00		553	6.36	97.93	
March	0.00		432	6.31	96.99	
April	0.00		197	7.90	121.38	
May	0.00		67	8.02	123.37	
June	0.00		32	10.00	266.67	

**ILI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis**

**Hospitalization**

*2016*

July  
 August  
 September  
 October  
 November  
 December

[Redacted data for hospitalization outcomes]
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**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>BiPAP</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Supplemental oxygen</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Mechanical ventilation</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Critical Care</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Death</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Discharge from hospital alive</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ILI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>BiPAP</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Supplemental oxygen</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Critical Care</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>ECMO</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>Death</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>ILI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>BiPAP</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Supplemental oxygen</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Mechanical ventilation</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Critical Care</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>ECMO</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Death</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>P and I - Treated Day of Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July	5.19	5.19	18	22.39	288.46	
August	5.20	5.20	20	17.38	223.71	
September	5.23	5.23	41	16.21	208.55	
October	5.31	5.30	74	16.83	216.06	
November	5.23	5.22	105	13.97	179.12	
December	5.25	5.21	235	8.69	117.66	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.29	5.27	566	7.94	101.04	
February	5.30	5.28	951	7.24	92.23	
March	5.31	5.28	715	7.69	97.87	
April	5.29	5.26	243	9.07	115.57	
May	5.28	5.26	80	10.77	137.36	
June	5.30	5.27	16	6.62	146.12	
<b>BiPAP</b>						
<b>2016</b>						
July	5.19	5.19	8	9.95	126.58	
August	5.20	5.20	4	3.47	44.15	
September	5.23	5.23	17	6.73	85.77	
October	5.31	5.30	20	4.54	57.72	
November	5.23	5.22	31	4.12	52.42	
December	5.25	5.21	106	3.92	52.85	
<b>2017</b>						
January	5.29	5.27	289	4.05	51.41	
February	5.30	5.28	490	3.73	47.38	
March	5.31	5.28	432	4.64	58.96	
April	5.29	5.26	114	4.26	53.99	
May	5.28	5.26	27	3.63	46.09	
June	5.30	5.27	4	1.65	36.36	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Supplemental oxygen</b>						
<i>2016</i>						
July	5.18	5.18	12	15.13	193.55	
August	5.20	5.20	20	17.65	227.01	
September	5.23	5.23	48	19.44	250.52	
October	5.31	5.30	59	13.69	175.07	
November	5.23	5.23	76	10.32	131.99	
December	5.25	5.22	263	9.95	134.74	
<i>2017</i>						
January	5.30	5.27	636	9.10	115.97	
February	5.30	5.28	1,084	8.39	107.02	
March	5.31	5.28	827	9.05	115.36	
April	5.30	5.26	299	11.39	145.35	
May	5.28	5.25	80	10.99	140.30	
June	5.29	5.27	22	9.26	204.27	
<b>Mechanical ventilation</b>						
<i>2016</i>						
July	5.19	5.19	2	2.49	31.55	
August	5.20	5.20	0	0.00	0.00	
September	5.23	5.23	4	1.58	20.13	
October	5.31	5.30	2	0.45	5.76	
November	5.23	5.22	1	0.13	1.69	
December	5.25	5.21	16	0.59	7.96	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.29	5.27	18	0.25	3.20	
February	5.30	5.28	40	0.30	3.86	
March	5.31	5.28	41	0.44	5.58	
April	5.29	5.26	20	0.75	9.45	
May	5.28	5.26	3	0.40	5.11	
June	5.30	5.27	1	0.41	9.09	
<b>Critical Care</b>						
<b>2016</b>						
July	5.19	5.19	13	16.17	207.34	
August	5.20	5.20	16	13.90	178.57	
September	5.23	5.23	27	10.68	136.78	
October	5.31	5.30	61	13.87	177.74	
November	5.23	5.23	85	11.32	144.83	
December	5.25	5.21	156	5.77	77.97	
<b>2017</b>						
January	5.29	5.27	357	5.01	63.63	
February	5.30	5.28	670	5.10	64.90	
March	5.31	5.28	546	5.87	74.69	
April	5.29	5.26	193	7.21	91.70	
May	5.28	5.26	61	8.21	104.56	
June	5.30	5.27	17	7.05	155.54	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
<i>2016</i>						
July	5.19	5.19	0	0.00	0.00	
August	5.20	5.20	0	0.00	0.00	
September	5.23	5.23	0	0.00	0.00	
October	5.31	5.30	0	0.00	0.00	
November	5.23	5.22	0	0.00	0.00	
December	5.25	5.21	0	0.00	0.00	
<i>2017</i>						
January	5.29	5.27	0	0.00	0.00	
February	5.30	5.28	2	0.02	0.19	
March	5.31	5.28	0	0.00	0.00	
April	5.29	5.26	1	0.04	0.47	
May	5.28	5.26	0	0.00	0.00	
June	5.30	5.27	0	0.00	0.00	
<b>Death</b>						
<i>2016</i>						
July	5.19	5.19	0	0.00	0.00	
August	5.20	5.20	0	0.00	0.00	
September	5.23	5.23	1	0.40	5.03	
October	5.31	5.30	2	0.45	5.76	
November	5.23	5.22	0	0.00	0.00	
December	5.25	5.21	14	0.52	6.97	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.29	5.27	21	0.29	3.73	
February	5.30	5.28	29	0.22	2.80	
March	5.31	5.28	25	0.27	3.40	
April	5.29	5.26	3	0.11	1.42	
May	5.28	5.26	0	0.00	0.00	
June	5.30	5.27	0	0.00	0.00	
<b>Discharge from hospital alive</b>						
<b>2016</b>						
July	5.19	5.19	18	22.39	288.46	
August	5.20	5.20	19	16.51	212.29	
September	5.23	5.23	38	15.03	193.19	
October	5.31	5.30	70	15.91	204.14	
November	5.23	5.22	97	12.90	165.33	
December	5.25	5.21	208	7.69	104.07	
<b>2017</b>						
January	5.29	5.27	501	7.03	89.39	
February	5.30	5.28	838	6.38	81.23	
March	5.31	5.28	623	6.70	85.22	
April	5.29	5.26	217	8.10	103.14	
May	5.28	5.26	72	9.69	123.54	
June	5.30	5.27	14	5.79	127.85	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>P and I - Treated After Day of Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	1	12.66	169.49	
September	5.31	5.31	3	18.52	243.90	
October	5.25	5.25	10	38.17	512.82	
November	5.44	5.44	17	35.20	473.54	
December	5.18	5.15	35	16.86	235.53	
<i>2017</i>						
January	5.27	5.26	110	23.30	310.21	
February	5.30	5.29	148	18.96	251.66	
March	5.25	5.23	138	26.31	351.32	
April	5.32	5.30	31	20.52	273.13	
May	5.22	5.20	10	21.69	288.18	
June	5.24	5.24	3	22.90	545.45	
<b>BiPAP</b>						
<i>2016</i>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	0	0.00	0.00	
September	5.28	5.28	0	0.00	0.00	
October	5.25	5.25	0	0.00	0.00	
November	5.42	5.42	6	11.98	157.48	
December	5.17	5.14	8	3.76	52.02	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.26	5.25	18	3.75	49.23	
February	5.29	5.28	34	4.30	56.54	
March	5.24	5.22	32	6.02	79.25	
April	5.30	5.28	5	3.24	42.66	
May	5.21	5.19	2	4.27	56.18	
June	5.22	5.22	1	7.35	172.41	
<b>Supplemental oxygen</b>						
<b>2016</b>						
July	5.07	5.07	3	44.78	600.00	
August	4.94	4.94	2	25.97	344.83	
September	5.29	5.29	1	6.41	84.03	
October	5.16	5.16	2	7.94	105.26	
November	5.45	5.45	6	12.99	170.94	
December	5.18	5.15	24	12.31	171.92	
<b>2017</b>						
January	5.28	5.26	66	14.77	195.61	
February	5.32	5.31	94	12.71	168.10	
March	5.27	5.25	63	12.97	171.94	
April	5.34	5.31	19	13.69	181.47	
May	5.25	5.22	5	11.49	151.98	
June	5.27	5.27	1	8.26	200.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>						
<i>2016</i>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	0	0.00	0.00	
September	5.28	5.28	0	0.00	0.00	
October	5.25	5.25	2	7.49	99.01	
November	5.42	5.42	2	3.99	52.36	
December	5.18	5.14	0	0.00	0.00	
<i>2017</i>						
January	5.26	5.25	10	2.08	27.31	
February	5.29	5.28	5	0.63	8.30	
March	5.24	5.22	11	2.07	27.21	
April	5.30	5.28	1	0.65	8.52	
May	5.21	5.19	0	0.00	0.00	
June	5.22	5.22	0	0.00	0.00	
<b>Critical Care</b>						
<i>2016</i>						
July	5.07	5.07	1	14.71	192.31	
August	4.94	4.94	1	12.66	169.49	
September	5.26	5.26	5	30.67	406.50	
October	5.25	5.25	6	22.73	303.03	
November	5.44	5.44	13	27.03	361.11	
December	5.17	5.14	14	6.73	93.58	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.27	5.26	68	14.50	191.82	
February	5.31	5.29	111	14.31	189.52	
March	5.26	5.23	92	17.73	235.60	
April	5.32	5.30	18	11.98	158.73	
May	5.22	5.20	8	17.62	233.92	
June	5.26	5.26	4	31.25	754.72	
<b>ECMO</b>						
<b>2016</b>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	0	0.00	0.00	
September	5.28	5.28	0	0.00	0.00	
October	5.25	5.25	0	0.00	0.00	
November	5.42	5.42	0	0.00	0.00	
December	5.17	5.14	0	0.00	0.00	
<b>2017</b>						
January	5.26	5.25	0	0.00	0.00	
February	5.29	5.28	0	0.00	0.00	
March	5.24	5.22	0	0.00	0.00	
April	5.30	5.28	1	0.65	8.52	
May	5.21	5.19	0	0.00	0.00	
June	5.22	5.22	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Death</b>						
<i>2016</i>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	0	0.00	0.00	
September	5.28	5.28	0	0.00	0.00	
October	5.25	5.25	0	0.00	0.00	
November	5.42	5.42	1	2.00	26.11	
December	5.18	5.14	2	0.94	13.00	
<i>2017</i>						
January	5.26	5.25	11	2.29	30.04	
February	5.29	5.28	13	1.64	21.58	
March	5.24	5.22	6	1.13	14.81	
April	5.30	5.28	0	0.00	0.00	
May	5.21	5.19	0	0.00	0.00	
June	5.22	5.22	0	0.00	0.00	
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July	5.07	5.07	0	0.00	0.00	
August	4.94	4.94	1	12.66	169.49	
September	5.30	5.30	4	24.54	325.20	
October	5.25	5.25	9	34.35	461.54	
November	5.44	5.44	13	26.92	360.11	
December	5.18	5.14	34	16.33	228.34	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.27	5.26	99	20.92	278.17	
February	5.30	5.29	121	15.48	205.02	
March	5.25	5.23	107	20.37	270.95	
April	5.32	5.30	24	15.86	210.53	
May	5.22	5.20	9	19.48	257.88	
June	5.24	5.24	3	22.90	545.45	
<b>P and I - Treated 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<b>2016</b>						
July	4.98	4.98	1	10.99	144.93	
August	4.88	4.88	3	31.25	422.54	
September	5.19	5.19	5	24.75	331.13	
October	5.23	5.23	11	33.95	460.25	
November	5.43	5.43	23	37.64	515.70	
December	5.11	5.08	62	22.93	325.12	
<b>2017</b>						
January	5.16	5.15	170	27.95	377.86	
February	5.19	5.18	224	22.86	307.82	
March	5.13	5.11	192	29.00	392.56	
April	5.22	5.20	46	24.12	325.55	
May	5.05	5.04	11	19.06	255.81	
June	5.19	5.19	3	18.29	454.55	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
<i>2016</i>						
July	4.77	4.77	2	18.52	246.91	
August	4.75	4.75	0	0.00	0.00	
September	5.01	5.01	0	0.00	0.00	
October	5.18	5.18	0	0.00	0.00	
November	5.19	5.19	9	12.61	169.49	
December	4.89	4.87	13	4.07	57.57	
<i>2017</i>						
January	4.94	4.92	44	6.22	83.46	
February	5.01	5.00	76	6.83	91.56	
March	4.93	4.91	59	7.77	104.52	
April	4.98	4.96	14	6.24	83.78	
May	4.88	4.87	4	6.14	82.30	
June	4.81	4.81	1	4.69	116.28	
<b>Supplemental oxygen</b>						
<i>2016</i>						
July	4.76	4.76	3	28.57	389.61	
August	4.74	4.74	2	19.05	256.41	
September	5.06	5.06	4	18.87	253.16	
October	5.11	5.11	6	17.75	241.94	
November	5.22	5.22	10	15.41	207.47	
December	4.92	4.89	54	18.85	269.87	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	4.97	4.96	126	19.63	265.93	
February	5.06	5.05	185	18.32	247.46	
March	5.00	4.98	133	19.78	268.36	
April	5.04	5.02	39	19.68	267.12	
May	4.96	4.94	10	16.78	226.24	
June	4.82	4.82	1	5.29	135.14	
<b>Mechanical ventilation</b>						
<b>2016</b>						
July	4.77	4.77	0	0.00	0.00	
August	4.75	4.75	0	0.00	0.00	
September	5.01	5.01	0	0.00	0.00	
October	5.18	5.18	2	5.46	73.53	
November	5.20	5.20	4	5.64	75.76	
December	4.90	4.88	3	0.94	13.33	
<b>2017</b>						
January	4.94	4.93	18	2.55	34.18	
February	5.01	5.00	18	1.62	21.68	
March	4.93	4.92	25	3.30	44.33	
April	4.98	4.96	4	1.79	23.94	
May	4.88	4.86	0	0.00	0.00	
June	4.83	4.83	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Critical Care</b>						
<i>2016</i>						
July	4.98	4.98	2	21.51	285.71	
August	4.85	4.85	3	30.61	416.67	
September	5.18	5.18	7	33.98	457.52	
October	5.22	5.22	6	18.52	248.96	
November	5.41	5.41	21	34.31	467.71	
December	5.03	5.00	31	11.10	156.72	
<i>2017</i>						
January	5.10	5.09	104	16.61	223.32	
February	5.18	5.17	174	17.68	237.64	
March	5.12	5.10	136	20.56	277.38	
April	5.18	5.17	35	18.11	244.07	
May	5.08	5.07	8	14.06	188.68	
June	5.12	5.12	4	24.24	597.01	
<b>ECMO</b>						
<i>2016</i>						
July	4.77	4.77	0	0.00	0.00	
August	4.75	4.75	0	0.00	0.00	
September	5.01	5.01	0	0.00	0.00	
October	5.18	5.18	0	0.00	0.00	
November	5.19	5.19	0	0.00	0.00	
December	4.90	4.87	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	4.94	4.92	0	0.00	0.00	
February	5.01	4.99	0	0.00	0.00	
March	4.93	4.91	0	0.00	0.00	
April	4.97	4.96	1	0.45	5.97	
May	4.88	4.86	0	0.00	0.00	
June	4.81	4.81	0	0.00	0.00	
<b>Death</b>						
<b>2016</b>						
July	4.77	4.77	0	0.00	0.00	
August	4.75	4.75	0	0.00	0.00	
September	5.01	5.01	0	0.00	0.00	
October	5.18	5.18	0	0.00	0.00	
November	5.19	5.19	3	4.20	56.29	
December	4.90	4.87	11	3.44	48.67	
<b>2017</b>						
January	4.94	4.92	21	2.96	39.70	
February	5.01	4.99	31	2.78	37.22	
March	4.93	4.91	13	1.71	22.94	
April	4.97	4.96	4	1.78	23.88	
May	4.88	4.86	1	1.53	20.45	
June	4.81	4.81	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July	4.98	4.98	1	10.99	144.93	
August	4.88	4.88	3	31.25	422.54	
September	5.19	5.19	6	29.41	397.35	
October	5.23	5.23	10	30.67	414.94	
November	5.40	5.40	19	30.55	415.75	
December	5.08	5.05	55	20.01	283.94	
<i>2017</i>						
January	5.14	5.13	149	24.15	326.04	
February	5.17	5.16	195	19.64	264.23	
March	5.11	5.10	166	24.77	334.81	
April	5.20	5.19	40	20.65	278.55	
May	5.04	5.02	9	15.41	206.42	
June	5.13	5.13	3	17.86	447.76	
<b>P and I - NOT Treated 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July	0.00		2,478	56.00	889.83	
August	0.00		3,081	55.24	875.13	
September	0.00		3,212	50.43	797.28	
October	0.00		2,841	44.32	697.91	
November	0.00		3,559	42.59	671.74	
December	0.00		3,385	34.02	550.03	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	0.00		3,972	30.12	469.82	
February	0.00		3,778	24.15	375.47	
March	0.00		3,506	26.08	405.75	
April	0.00		3,134	36.24	566.88	
May	0.00		2,788	44.48	699.99	
June	0.00		1,406	30.62	884.28	
<b>BiPAP</b>						
<b>2016</b>						
July	0.00		515	9.07	141.07	
August	0.00		694	10.17	158.00	
September	0.00		774	10.06	156.29	
October	0.00		625	8.02	124.33	
November	0.00		825	8.34	129.46	
December	0.00		890	7.54	120.37	
<b>2017</b>						
January	0.00		1,136	7.51	115.95	
February	0.00		1,124	6.46	99.81	
March	0.00		1,007	6.61	101.99	
April	0.00		954	9.38	145.15	
May	0.00		738	9.59	148.78	
June	0.00		380	6.75	192.23	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Supplemental oxygen</b>						
<i>2016</i>						
July	0.00		1,704	33.49	529.04	
August	0.00		2,113	34.30	540.35	
September	0.00		2,267	32.82	516.93	
October	0.00		2,204	31.84	500.73	
November	0.00		2,821	31.97	503.88	
December	0.00		3,067	29.20	472.79	
<i>2017</i>						
January	0.00		3,601	26.12	408.14	
February	0.00		3,247	20.15	313.72	
March	0.00		2,957	21.15	329.24	
April	0.00		2,660	28.84	451.54	
May	0.00		2,189	31.91	502.01	
June	0.00		1,054	20.74	597.34	
<b>Mechanical ventilation</b>						
<i>2016</i>						
July	0.00		570	10.32	160.32	
August	0.00		613	9.20	142.45	
September	0.00		604	8.03	124.28	
October	0.00		610	8.02	124.04	
November	0.00		807	8.33	129.10	
December	0.00		739	6.39	101.80	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	0.00		840	5.64	86.99	
February	0.00		744	4.34	66.80	
March	0.00		684	4.56	70.20	
April	0.00		648	6.49	100.06	
May	0.00		623	8.30	128.29	
June	0.00		230	4.19	119.12	
<b>Critical Care</b>						
<b>2016</b>						
July	0.00		1,954	45.47	716.04	
August	0.00		2,485	45.57	717.03	
September	0.00		2,622	41.93	658.78	
October	0.00		2,274	35.93	562.30	
November	0.00		2,932	35.47	556.64	
December	0.00		2,771	28.04	451.24	
<b>2017</b>						
January	0.00		3,227	24.59	382.02	
February	0.00		3,160	20.29	314.59	
March	0.00		2,811	21.02	325.81	
April	0.00		2,595	30.23	470.99	
May	0.00		2,316	37.63	589.55	
June	0.00		1,166	25.86	743.72	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
<i>2016</i>						
July	0.00		0	0.00	0.00	
August	0.00		4	0.06	0.90	
September	0.00		3	0.04	0.60	
October	0.00		3	0.04	0.59	
November	0.00		5	0.05	0.78	
December	0.00		2	0.02	0.27	
<i>2017</i>						
January	0.00		0	0.00	0.00	
February	0.00		7	0.04	0.62	
March	0.00		2	0.01	0.20	
April	0.00		3	0.03	0.45	
May	0.00		5	0.06	1.00	
June	0.00		3	0.05	1.51	
<b>Death</b>						
<i>2016</i>						
July	0.00		1,870	33.23	518.45	
August	0.00		1,806	26.67	414.60	
September	0.00		1,979	25.87	402.28	
October	0.00		2,033	26.27	408.17	
November	0.00		2,282	23.17	360.48	
December	0.00		2,323	19.77	316.15	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	0.00		2,670	17.72	273.90	
February	0.00		2,316	13.36	206.17	
March	0.00		2,331	15.36	237.11	
April	0.00		2,045	20.20	312.50	
May	0.00		1,876	24.57	381.39	
June	0.00		906	16.21	464.62	
<b>Discharge from hospital alive</b>						
<b>2016</b>						
July	0.00		2,165	47.08	748.28	
August	0.00		2,658	46.09	729.82	
September	0.00		2,623	39.68	626.04	
October	0.00		2,469	36.52	574.80	
November	0.00		3,080	35.55	560.35	
December	0.00		2,955	28.80	465.28	
<b>2017</b>						
January	0.00		3,510	26.05	406.41	
February	0.00		3,340	21.05	327.41	
March	0.00		3,016	22.05	342.93	
April	0.00		2,744	31.04	485.33	
May	0.00		2,466	38.25	602.12	
June	0.00		1,231	26.02	749.83	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>P and I - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>BiPAP</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Supplemental oxygen</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Critical Care</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>ECMO</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>Death</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>P and I - Excluded: Outcome and Treatment, on Day of Diagnosis</b>						
<b>Hospitalization</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>BiPAP</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Supplemental oxygen</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Mechanical ventilation</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Critical Care</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>ECMO</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Death</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>P and I - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>BiPAP</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Supplemental oxygen</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Mechanical ventilation</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Critical Care</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Death</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Discharge from hospital alive</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>MAARI - Treated Day of Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July	5.17	5.17	17	20.43	262.75	
August	5.27	5.27	17	15.44	197.90	
September	5.24	5.24	48	18.63	240.00	
October	5.32	5.31	76	16.70	214.45	
November	5.26	5.26	103	13.49	172.79	
December	5.26	5.23	247	9.69	131.06	
<i>2017</i>						
January	5.32	5.29	546	8.28	105.46	
February	5.33	5.31	870	7.30	92.95	
March	5.33	5.30	678	7.87	100.21	
April	5.31	5.28	237	9.19	117.01	
May	5.30	5.28	87	11.67	148.95	
June	5.29	5.28	15	6.06	134.29	
<b>BiPAP</b>						
<i>2016</i>						
July	5.17	5.17	8	9.62	122.51	
August	5.26	5.26	5	4.54	57.74	
September	5.24	5.24	12	4.66	59.32	
October	5.32	5.31	20	4.39	55.83	
November	5.26	5.26	33	4.32	54.94	
December	5.26	5.23	107	4.20	56.53	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.32	5.29	272	4.13	52.35	
February	5.33	5.31	447	3.75	47.62	
March	5.33	5.30	418	4.85	61.60	
April	5.31	5.28	106	4.11	52.10	
May	5.30	5.28	35	4.69	59.57	
June	5.29	5.28	7	2.83	62.50	
<b>Supplemental oxygen</b>						
<b>2016</b>						
July	5.17	5.17	11	13.40	171.34	
August	5.27	5.27	21	19.34	248.52	
September	5.24	5.24	45	17.84	229.59	
October	5.32	5.31	63	14.12	180.77	
November	5.26	5.26	79	10.55	134.93	
December	5.27	5.23	251	10.05	136.01	
<b>2017</b>						
January	5.32	5.29	584	9.03	115.00	
February	5.33	5.32	942	8.03	102.38	
March	5.33	5.31	797	9.41	120.04	
April	5.32	5.29	281	11.11	141.70	
May	5.30	5.27	75	10.25	130.78	
June	5.29	5.27	25	10.26	227.89	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>						
<i>2016</i>						
July	5.17	5.17	2	2.40	30.49	
August	5.26	5.26	0	0.00	0.00	
September	5.24	5.24	6	2.33	29.64	
October	5.32	5.31	5	1.10	13.93	
November	5.26	5.26	3	0.39	4.98	
December	5.26	5.23	18	0.71	9.49	
<i>2017</i>						
January	5.32	5.29	22	0.33	4.23	
February	5.33	5.31	35	0.29	3.72	
March	5.33	5.30	38	0.44	5.59	
April	5.31	5.28	18	0.70	8.83	
May	5.30	5.27	4	0.54	6.79	
June	5.29	5.28	0	0.00	0.00	
<b>Critical Care</b>						
<i>2016</i>						
July	5.17	5.17	15	18.03	231.48	
August	5.27	5.27	12	10.91	139.53	
September	5.24	5.24	30	11.65	149.25	
October	5.32	5.31	60	13.19	168.97	
November	5.26	5.26	84	11.01	140.73	
December	5.26	5.23	152	5.97	80.48	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.32	5.29	339	5.14	65.36	
February	5.33	5.31	628	5.27	67.03	
March	5.33	5.30	511	5.93	75.47	
April	5.31	5.28	183	7.10	90.25	
May	5.30	5.28	71	9.52	121.39	
June	5.29	5.28	16	6.47	143.37	
<b>ECMO</b>						
<b>2016</b>						
July	5.17	5.17	0	0.00	0.00	
August	5.26	5.26	0	0.00	0.00	
September	5.24	5.24	0	0.00	0.00	
October	5.32	5.31	0	0.00	0.00	
November	5.26	5.26	0	0.00	0.00	
December	5.26	5.23	0	0.00	0.00	
<b>2017</b>						
January	5.32	5.29	0	0.00	0.00	
February	5.33	5.31	2	0.02	0.21	
March	5.33	5.30	0	0.00	0.00	
April	5.31	5.28	0	0.00	0.00	
May	5.30	5.27	0	0.00	0.00	
June	5.29	5.28	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Death</b>						
<i>2016</i>						
July	5.17	5.17	0	0.00	0.00	
August	5.26	5.26	0	0.00	0.00	
September	5.24	5.24	1	0.39	4.93	
October	5.32	5.31	0	0.00	0.00	
November	5.26	5.26	1	0.13	1.66	
December	5.26	5.23	12	0.47	6.32	
<i>2017</i>						
January	5.32	5.29	18	0.27	3.46	
February	5.33	5.31	28	0.23	2.98	
March	5.33	5.30	21	0.24	3.09	
April	5.31	5.28	3	0.12	1.47	
May	5.30	5.27	0	0.00	0.00	
June	5.29	5.28	0	0.00	0.00	
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July	5.17	5.17	17	20.43	262.75	
August	5.27	5.27	16	14.53	186.26	
September	5.24	5.24	44	17.08	219.78	
October	5.32	5.31	70	15.38	197.29	
November	5.26	5.26	95	12.44	159.24	
December	5.26	5.23	221	8.67	117.17	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.32	5.29	495	7.51	95.56	
February	5.33	5.31	779	6.53	83.19	
March	5.33	5.30	598	6.94	88.33	
April	5.31	5.28	214	8.30	105.61	
May	5.30	5.28	77	10.33	131.71	
June	5.29	5.28	13	5.25	116.38	
<b>MAARI - Treated After Day of Diagnosis</b>						
<b>Hospitalization</b>						
<b>2016</b>						
July	5.14	5.14	1	14.49	192.31	
August	5.10	5.10	3	28.04	375.00	
September	5.31	5.31	3	15.31	202.70	
October	5.29	5.29	6	17.80	236.22	
November	5.36	5.36	16	27.73	372.96	
December	5.21	5.18	31	13.70	191.71	
<b>2017</b>						
January	5.37	5.35	109	20.62	274.08	
February	5.39	5.37	152	17.73	235.26	
March	5.29	5.26	130	22.28	296.60	
April	5.38	5.35	35	20.27	268.82	
May	5.24	5.22	9	17.24	229.01	
June	5.19	5.19	4	24.24	571.43	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
<i>2016</i>						
July	5.14	5.14	0	0.00	0.00	
August	5.10	5.10	0	0.00	0.00	
September	5.30	5.30	0	0.00	0.00	
October	5.29	5.29	0	0.00	0.00	
November	5.36	5.36	5	8.46	111.61	
December	5.21	5.17	8	3.46	48.11	
<i>2017</i>						
January	5.36	5.34	25	4.67	61.36	
February	5.38	5.36	31	3.58	47.07	
March	5.28	5.25	29	4.91	64.67	
April	5.38	5.34	6	3.43	45.01	
May	5.23	5.21	3	5.67	74.81	
June	5.18	5.18	1	5.92	136.99	
<b>Supplemental oxygen</b>						
<i>2016</i>						
July	5.15	5.15	3	44.12	600.00	
August	5.06	5.06	2	19.05	253.16	
September	5.31	5.31	2	10.58	139.86	
October	5.30	5.30	2	6.10	80.65	
November	5.37	5.37	5	9.04	119.33	
December	5.21	5.18	25	11.64	163.08	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.38	5.36	71	14.08	186.50	
February	5.40	5.39	107	13.10	173.34	
March	5.32	5.28	76	13.92	184.74	
April	5.41	5.37	23	14.51	191.83	
May	5.25	5.23	7	14.08	186.67	
June	5.23	5.23	1	6.62	156.25	
<b>Mechanical ventilation</b>						
<b>2016</b>						
July	5.14	5.14	0	0.00	0.00	
August	5.10	5.10	0	0.00	0.00	
September	5.30	5.30	0	0.00	0.00	
October	5.29	5.29	1	2.93	38.61	
November	5.35	5.35	2	3.38	44.54	
December	5.21	5.17	0	0.00	0.00	
<b>2017</b>						
January	5.36	5.34	11	2.05	26.95	
February	5.38	5.36	8	0.92	12.13	
March	5.28	5.25	8	1.36	17.83	
April	5.38	5.34	3	1.72	22.51	
May	5.23	5.21	0	0.00	0.00	
June	5.18	5.18	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Critical Care</b>						
<i>2016</i>						
July	5.21	5.21	1	15.15	196.08	
August	5.10	5.10	1	9.35	123.46	
September	5.27	5.27	5	25.38	337.84	
October	5.29	5.29	4	11.87	157.48	
November	5.38	5.38	10	17.54	233.10	
December	5.21	5.18	15	6.65	92.71	
<i>2017</i>						
January	5.37	5.35	70	13.32	176.06	
February	5.39	5.37	115	13.48	178.52	
March	5.30	5.27	89	15.39	204.08	
April	5.39	5.36	22	12.88	170.15	
May	5.24	5.22	8	15.53	206.19	
June	5.20	5.20	5	30.86	724.64	
<b>ECMO</b>						
<i>2016</i>						
July	5.14	5.14	0	0.00	0.00	
August	5.10	5.10	0	0.00	0.00	
September	5.30	5.30	0	0.00	0.00	
October	5.29	5.29	0	0.00	0.00	
November	5.35	5.35	0	0.00	0.00	
December	5.21	5.17	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.36	5.34	0	0.00	0.00	
February	5.38	5.36	0	0.00	0.00	
March	5.28	5.25	0	0.00	0.00	
April	5.38	5.34	1	0.57	7.50	
May	5.23	5.21	0	0.00	0.00	
June	5.18	5.18	0	0.00	0.00	
<b>Death</b>						
<b>2016</b>						
July	5.14	5.14	0	0.00	0.00	
August	5.10	5.10	0	0.00	0.00	
September	5.30	5.30	0	0.00	0.00	
October	5.29	5.29	0	0.00	0.00	
November	5.35	5.35	3	5.07	66.67	
December	5.21	5.18	2	0.87	12.01	
<b>2017</b>						
January	5.36	5.34	16	2.99	39.19	
February	5.38	5.36	15	1.73	22.75	
March	5.28	5.25	7	1.19	15.57	
April	5.38	5.34	0	0.00	0.00	
May	5.23	5.21	0	0.00	0.00	
June	5.18	5.18	0	0.00	0.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July	5.14	5.14	1	14.49	192.31	
August	5.10	5.10	3	28.04	375.00	
September	5.31	5.31	3	15.31	202.70	
October	5.29	5.29	6	17.80	236.22	
November	5.36	5.36	12	20.73	277.14	
December	5.21	5.17	29	12.78	178.90	
<i>2017</i>						
January	5.37	5.35	95	17.93	238.04	
February	5.39	5.37	119	13.86	183.53	
March	5.29	5.26	108	18.47	245.45	
April	5.39	5.35	27	15.62	206.58	
May	5.24	5.22	8	15.30	202.53	
June	5.19	5.19	4	24.24	571.43	
<b>MAARI - Treated 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July	5.12	5.12	3	28.04	379.75	
August	5.06	5.06	5	30.86	423.73	
September	5.24	5.24	4	13.70	185.19	
October	5.38	5.38	9	17.65	239.36	
November	5.38	5.38	33	37.08	514.82	
December	5.21	5.19	62	17.71	253.79	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January	5.34	5.33	177	22.16	301.28	
February	5.39	5.37	257	19.68	267.60	
March	5.29	5.26	185	21.00	285.58	
April	5.31	5.28	58	21.84	296.98	
May	5.23	5.21	14	17.14	232.56	
June	5.19	5.19	9	36.00	873.79	
<b>BiPAP</b>						
<b>2016</b>						
July	4.96	4.96	2	16.00	215.05	
August	5.00	5.00	0	0.00	0.00	
September	5.22	5.22	0	0.00	0.00	
October	5.38	5.38	0	0.00	0.00	
November	5.24	5.24	9	9.25	125.52	
December	5.07	5.04	15	3.86	55.09	
<b>2017</b>						
January	5.20	5.18	39	4.48	60.41	
February	5.26	5.24	71	5.03	67.96	
March	5.14	5.12	56	5.85	79.02	
April	5.16	5.13	14	4.77	64.40	
May	5.13	5.12	6	6.88	92.74	
June	5.11	5.11	1	3.69	88.50	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Supplemental oxygen</b>						
<i>2016</i>						
July	4.96	4.96	3	24.59	337.08	
August	4.97	4.97	3	18.29	247.93	
September	5.25	5.25	6	20.55	279.07	
October	5.33	5.33	6	11.72	159.57	
November	5.27	5.27	13	14.41	196.37	
December	5.10	5.07	55	15.46	222.85	
<i>2017</i>						
January	5.24	5.22	134	16.69	226.93	
February	5.30	5.29	220	16.84	229.12	
March	5.20	5.17	148	16.93	230.93	
April	5.20	5.17	53	20.01	273.34	
May	5.18	5.16	11	13.58	184.25	
June	5.14	5.14	1	4.07	98.04	
<b>Mechanical ventilation</b>						
<i>2016</i>						
July	4.96	4.96	0	0.00	0.00	
August	5.00	5.00	0	0.00	0.00	
September	5.22	5.22	0	0.00	0.00	
October	5.38	5.38	1	1.85	25.00	
November	5.25	5.25	4	4.12	55.79	
December	5.07	5.05	1	0.26	3.67	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.20	5.18	16	1.84	24.76	
February	5.26	5.24	24	1.70	22.97	
March	5.14	5.12	23	2.40	32.45	
April	5.16	5.13	8	2.73	36.85	
May	5.13	5.11	0	0.00	0.00	
June	5.13	5.13	1	3.72	88.50	
<b>Critical Care</b>						
<b>2016</b>						
July	5.15	5.15	3	27.27	370.37	
August	5.05	5.05	4	24.69	336.13	
September	5.24	5.24	6	20.27	273.97	
October	5.37	5.37	6	11.76	159.57	
November	5.38	5.38	22	24.86	340.56	
December	5.18	5.16	31	8.78	125.40	
<b>2017</b>						
January	5.32	5.31	105	13.08	176.80	
February	5.39	5.37	202	15.52	210.57	
March	5.28	5.26	137	15.60	211.71	
April	5.30	5.27	45	16.94	229.83	
May	5.26	5.24	11	13.61	184.25	
June	5.24	5.24	10	41.67	1,000.00	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
<i>2016</i>						
July	4.96	4.96	0	0.00	0.00	
August	5.00	5.00	0	0.00	0.00	
September	5.22	5.22	0	0.00	0.00	
October	5.38	5.38	0	0.00	0.00	
November	5.24	5.24	0	0.00	0.00	
December	5.07	5.04	0	0.00	0.00	
<i>2017</i>						
January	5.20	5.18	0	0.00	0.00	
February	5.26	5.24	0	0.00	0.00	
March	5.14	5.11	0	0.00	0.00	
April	5.15	5.13	1	0.34	4.59	
May	5.13	5.11	0	0.00	0.00	
June	5.11	5.11	0	0.00	0.00	
<b>Death</b>						
<i>2016</i>						
July	4.96	4.96	0	0.00	0.00	
August	5.00	5.00	0	0.00	0.00	
September	5.22	5.22	0	0.00	0.00	
October	5.38	5.38	0	0.00	0.00	
November	5.24	5.24	3	3.08	41.61	
December	5.07	5.04	10	2.57	36.71	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	5.20	5.18	25	2.87	38.64	
February	5.26	5.24	31	2.20	29.61	
March	5.14	5.11	16	1.67	22.49	
April	5.15	5.13	5	1.70	22.97	
May	5.13	5.11	0	0.00	0.00	
June	5.11	5.11	0	0.00	0.00	
<b>Discharge from hospital alive</b>						
<b>2016</b>						
July	5.12	5.12	3	28.04	379.75	
August	5.06	5.06	5	30.86	423.73	
September	5.24	5.24	4	13.65	184.33	
October	5.38	5.38	9	17.58	238.73	
November	5.36	5.36	26	28.95	399.39	
December	5.20	5.17	56	15.84	227.09	
<b>2017</b>						
January	5.33	5.32	155	19.25	261.34	
February	5.37	5.35	216	16.42	222.93	
March	5.28	5.25	167	18.79	255.43	
April	5.30	5.27	50	18.65	253.29	
May	5.22	5.20	12	14.56	197.37	
June	5.19	5.19	9	36.00	873.79	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>MAARI - NOT Treated 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July	0.00		2,745	7.10	109.01	
August	0.00		3,367	6.58	101.14	
September	0.00		4,187	6.68	102.66	
October	0.00		4,609	6.91	106.08	
November	0.00		5,520	6.68	102.75	
December	0.00		6,481	6.62	105.34	
<i>2017</i>						
January	0.00		6,931	7.28	111.77	
February	0.00		6,176	6.44	98.95	
March	0.00		5,588	6.36	97.61	
April	0.00		4,175	6.52	100.13	
May	0.00		3,838	6.13	94.17	
June	0.00		1,479	4.00	112.14	
<b>BiPAP</b>						
<i>2016</i>						
July	0.00		1,246	3.20	49.10	
August	0.00		1,504	2.93	44.89	
September	0.00		2,080	3.30	50.69	
October	0.00		2,180	3.25	49.87	
November	0.00		3,039	3.66	56.26	
December	0.00		3,806	3.87	61.49	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	0.00		3,750	3.92	60.02	
February	0.00		3,538	3.67	56.29	
March	0.00		3,199	3.62	55.49	
April	0.00		2,410	3.75	57.41	
May	0.00		2,213	3.52	53.98	
June	0.00		883	2.38	66.57	
<b>Supplemental oxygen</b>						
<b>2016</b>						
July	0.00		2,197	5.77	88.54	
August	0.00		3,099	6.17	94.72	
September	0.00		4,067	6.61	101.64	
October	0.00		4,640	7.09	108.94	
November	0.00		5,878	7.26	111.67	
December	0.00		6,871	7.17	114.05	
<b>2017</b>						
January	0.00		6,586	7.06	108.33	
February	0.00		6,023	6.40	98.25	
March	0.00		5,232	6.06	93.08	
April	0.00		3,787	6.03	92.62	
May	0.00		3,231	5.26	80.77	
June	0.00		1,296	3.56	99.88	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>						
<i>2016</i>						
July	0.00		174	0.45	6.84	
August	0.00		205	0.40	6.11	
September	0.00		269	0.43	6.54	
October	0.00		311	0.46	7.10	
November	0.00		345	0.42	6.37	
December	0.00		442	0.45	7.12	
<i>2017</i>						
January	0.00		436	0.46	6.96	
February	0.00		423	0.44	6.72	
March	0.00		346	0.39	5.99	
April	0.00		296	0.46	7.04	
May	0.00		253	0.40	6.16	
June	0.00		109	0.29	8.20	
<b>Critical Care</b>						
<i>2016</i>						
July	0.00		1,965	5.08	77.95	
August	0.00		2,404	4.70	72.14	
September	0.00		2,911	4.64	71.30	
October	0.00		3,259	4.89	74.93	
November	0.00		3,816	4.62	70.94	
December	0.00		4,547	4.65	73.81	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	0.00		4,930	5.18	79.40	
February	0.00		4,400	4.59	70.41	
March	0.00		4,003	4.55	69.84	
April	0.00		3,071	4.80	73.58	
May	0.00		2,698	4.31	66.13	
June	0.00		1,112	3.01	84.24	
<b>ECMO</b>						
<b>2016</b>						
July	0.00		2	0.01	0.08	
August	0.00		0	0.00	0.00	
September	0.00		0	0.00	0.00	
October	0.00		1	0.00	0.02	
November	0.00		2	0.00	0.04	
December	0.00		3	0.00	0.05	
<b>2017</b>						
January	0.00		0	0.00	0.00	
February	0.00		4	0.00	0.06	
March	0.00		1	0.00	0.02	
April	0.00		3	0.00	0.07	
May	0.00		1	0.00	0.02	
June	0.00		1	0.00	0.08	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Death</b>						
<i>2016</i>						
July	0.00		195	0.50	7.67	
August	0.00		213	0.41	6.34	
September	0.00		267	0.42	6.49	
October	0.00		309	0.46	7.05	
November	0.00		375	0.45	6.92	
December	0.00		460	0.47	7.41	
<i>2017</i>						
January	0.00		588	0.61	9.39	
February	0.00		565	0.59	8.97	
March	0.00		499	0.56	8.63	
April	0.00		325	0.50	7.72	
May	0.00		231	0.37	5.62	
June	0.00		93	0.25	7.00	
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July	0.00		2,388	6.17	94.72	
August	0.00		2,810	5.49	84.31	
September	0.00		3,430	5.47	84.00	
October	0.00		3,846	5.76	88.39	
November	0.00		4,689	5.67	87.17	
December	0.00		5,549	5.67	90.08	

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January	0.00		6,010	6.31	96.79	
February	0.00		5,263	5.49	84.22	
March	0.00		4,898	5.57	85.46	
April	0.00		3,635	5.68	87.08	
May	0.00		3,353	5.35	82.20	
June	0.00		1,307	3.53	99.01	
<b>MAARI - Excluded: Outcome Before Treatment, 0-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>BiPAP</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Supplemental oxygen</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Mechanical ventilation</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Critical Care</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>ECMO</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Death</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>MAARI - Excluded: Outcome and Treatment, on Day of Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>BiPAP</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Supplemental oxygen</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Mechanical ventilation</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Critical Care</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>ECMO</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Death</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Discharge from hospital alive</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>MAARI - Excluded: Outcome and Treatment, 1-5 Days After Diagnosis</b>						
<b>Hospitalization</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>BiPAP</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>Supplemental oxygen</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Mechanical ventilation</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Critical Care</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						
<b>ECMO</b>						
<b>2016</b>						
July						
August						
September						
October						
November						
December						
<b>2017</b>						
January						
February						
March						
April						
May						
June						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

Month	Days Supplied per Member	Days Supplied per Dispensing	New Diagnoses with Outcome	New Diagnoses with Outcome per 1,000 New Diagnoses	New Diagnoses with Outcome per 1,000 Years at Risk	Eligible Member Years <sup>1</sup>
<b>Death</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						
<i>2017</i>						
January						
February						
March						
April						
May						
June						
<b>Discharge from hospital alive</b>						
<i>2016</i>						
July						
August						
September						
October						
November						
December						

**Table 5. Summary of Outcomes After Diagnosis of Influenza-like Illness (ILI), Pneumonia and Influenza (P&I), or Medically Attended Acute Respiratory Illness (MAARI) by Time of Treatment in the Sentinel Distributed Database (SDD) between July 1, 2016 and June 30, 2017 by Year and Month**

<b>Month</b>	<b>Days Supplied per Member</b>	<b>Days Supplied per Dispensing</b>	<b>New Diagnoses with Outcome</b>	<b>New Diagnoses with Outcome per 1,000 New Diagnoses</b>	<b>New Diagnoses with Outcome per 1,000 Years at Risk</b>	<b>Eligible Member Years<sup>1</sup></b>
<b>2017</b>						
January						
February						
March						
April						
May						
June						

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period  
*Data are not presented in shaded cells due to their inability to be calculated*

**Appendix A. Start and End Dates for Each Data Partner up to Request End Date (June 30, 2017)**

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<b>DP ID</b>	<b>DP Start Date<sup>1</sup></b>	<b>DP End Date<sup>1</sup></b>
DP01	1/1/2000	6/30/2017
DP02	1/1/2004	6/30/2017
DP03	1/1/2008	6/30/2017
DP04	6/1/2007	6/30/2017
DP05	1/1/2000	6/30/2017
DP06	1/1/2000	6/30/2017
DP07	1/1/2000	6/30/2017
DP08	1/1/2000	6/30/2017
DP09	1/1/2008	6/30/2017
DP10	1/1/2000	6/30/2017
DP11	6/1/2007	6/30/2017
DP12	1/1/2006	6/30/2017

<sup>1</sup>The 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) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Codes Used to Define Cohorts in this Request**

Code	Description	Code Category	Code Type
<b>Influenza-Like Illness (ILI)</b>			
487	Influenza	Diagnosis	ICD-9-CM
487.0	Influenza with pneumonia	Diagnosis	ICD-9-CM
487.1	Influenza with other respiratory manifestations	Diagnosis	ICD-9-CM
487.8	Influenza with other manifestations	Diagnosis	ICD-9-CM
488	Influenza due to certain identified influenza viruses	Diagnosis	ICD-9-CM
488.0	Influenza due to identified avian influenza virus	Diagnosis	ICD-9-CM
488.01	Influenza due to identified avian influenza virus with pneumonia	Diagnosis	ICD-9-CM
488.02	Influenza due to identified avian influenza virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.09	Influenza due to identified avian influenza virus with other manifestations	Diagnosis	ICD-9-CM
488.1	Influenza due to identified 2009 H1N1 influenza virus	Diagnosis	ICD-9-CM
488.11	Influenza due to identified 2009 H1N1 influenza virus with pneumonia	Diagnosis	ICD-9-CM
488.12	Influenza due to identified 2009 H1N1 influenza virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.19	Influenza due to identified 2009 H1N1 influenza virus with other manifestations	Diagnosis	ICD-9-CM
488.8	Influenza due to novel influenza A	Diagnosis	ICD-9-CM
488.81	Influenza due to identified novel influenza A virus with pneumonia	Diagnosis	ICD-9-CM
488.82	Influenza due to identified novel influenza A virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.89	Influenza due to identified novel influenza A virus with other manifestations	Diagnosis	ICD-9-CM
J09.X1	Influenza due to identified novel influenza A virus with pneumonia	Diagnosis	ICD-10-CM
J09.X2	Influenza due to identified novel influenza A virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J09.X3	Influenza due to identified novel influenza A virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J09.X9	Influenza due to identified novel influenza A virus with other manifestations	Diagnosis	ICD-10-CM
J10.00	Influenza due to other identified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J10.01	Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia	Diagnosis	ICD-10-CM
J10.08	Influenza due to other identified influenza virus with other specified pneumonia	Diagnosis	ICD-10-CM
J10.1	Influenza due to other identified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J10.2	Influenza due to other identified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J10.81	Influenza due to other identified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J10.82	Influenza due to other identified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J10.83	Influenza due to other identified influenza virus with otitis media	Diagnosis	ICD-10-CM
J10.89	Influenza due to other identified influenza virus with other manifestations	Diagnosis	ICD-10-CM
J11.00	Influenza due to unidentified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J11.08	Influenza due to unidentified influenza virus with specified pneumonia	Diagnosis	ICD-10-CM
J11.1	Influenza due to unidentified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J11.2	Influenza due to unidentified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J11.81	Influenza due to unidentified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J11.82	Influenza due to unidentified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J11.83	Influenza due to unidentified influenza virus with otitis media	Diagnosis	ICD-10-CM
J11.89	Influenza due to unidentified influenza virus with other manifestations	Diagnosis	ICD-10-CM
<b>Pneumonia and Influenza (P&amp;I)</b>			
480	Viral pneumonia	Diagnosis	ICD-9-CM
480.8	Pneumonia due to other virus not elsewhere classified	Diagnosis	ICD-9-CM

**Appendix B: 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) Codes Used to Define Cohorts in this Request**

Code	Description	Code	
		Category	Code Type
480.9	Unspecified viral pneumonia	Diagnosis	ICD-9-CM
481	Pneumococcal pneumonia (streptococcus pneumoniae pneumonia)	Diagnosis	ICD-9-CM
482	Other bacterial pneumonia	Diagnosis	ICD-9-CM
482.0	Pneumonia due to Klebsiella pneumoniae	Diagnosis	ICD-9-CM
482.1	Pneumonia due to Pseudomonas	Diagnosis	ICD-9-CM
482.2	Pneumonia due to Hemophilus influenzae (H. influenzae)	Diagnosis	ICD-9-CM
482.3	Pneumonia due to Streptococcus	Diagnosis	ICD-9-CM
482.30	Pneumonia due to unspecified Streptococcus	Diagnosis	ICD-9-CM
482.31	Pneumonia due to Streptococcus, group A	Diagnosis	ICD-9-CM
482.32	Pneumonia due to Streptococcus, group B	Diagnosis	ICD-9-CM
482.39	Pneumonia due to other Streptococcus	Diagnosis	ICD-9-CM
482.4	Pneumonia due to Staphylococcus	Diagnosis	ICD-9-CM
482.40	Pneumonia due to Staphylococcus, unspecified	Diagnosis	ICD-9-CM
482.41	Methicillin susceptible pneumonia due to Staphylococcus aureus	Diagnosis	ICD-9-CM
482.42	Methicillin resistant pneumonia due to Staphylococcus aureus	Diagnosis	ICD-9-CM
482.49	Other Staphylococcus pneumonia	Diagnosis	ICD-9-CM
482.8	Pneumonia due to other specified bacteria	Diagnosis	ICD-9-CM
482.81	Pneumonia due to anaerobes	Diagnosis	ICD-9-CM
482.83	Pneumonia due to other gram-negative bacteria	Diagnosis	ICD-9-CM
482.89	Pneumonia due to other specified bacteria	Diagnosis	ICD-9-CM
482.9	Unspecified bacterial pneumonia	Diagnosis	ICD-9-CM
483	Pneumonia due to other specified organism	Diagnosis	ICD-9-CM
483.0	Pneumonia due to Mycoplasma pneumoniae	Diagnosis	ICD-9-CM
483.1	Pneumonia due to Chlamydia	Diagnosis	ICD-9-CM
483.8	Pneumonia due to other specified organism	Diagnosis	ICD-9-CM
484	Pneumonia in infectious diseases classified elsewhere	Diagnosis	ICD-9-CM
484.3	Pneumonia in whooping cough	Diagnosis	ICD-9-CM
484.5	Pneumonia in anthrax	Diagnosis	ICD-9-CM
484.8	Pneumonia in other infectious diseases classified elsewhere	Diagnosis	ICD-9-CM
485	Bronchopneumonia, organism unspecified	Diagnosis	ICD-9-CM
486	Pneumonia, organism unspecified	Diagnosis	ICD-9-CM
487	Influenza	Diagnosis	ICD-9-CM
487.0	Influenza with pneumonia	Diagnosis	ICD-9-CM
487.1	Influenza with other respiratory manifestations	Diagnosis	ICD-9-CM
487.8	Influenza with other manifestations	Diagnosis	ICD-9-CM
488	Influenza due to certain identified influenza viruses	Diagnosis	ICD-9-CM
488.0	Influenza due to identified avian influenza virus	Diagnosis	ICD-9-CM
488.01	Influenza due to identified avian influenza virus with pneumonia	Diagnosis	ICD-9-CM
488.02	Influenza due to identified avian influenza virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.09	Influenza due to identified avian influenza virus with other manifestations	Diagnosis	ICD-9-CM
488.1	Influenza due to identified 2009 H1N1 influenza virus	Diagnosis	ICD-9-CM
488.11	Influenza due to identified 2009 H1N1 influenza virus with pneumonia	Diagnosis	ICD-9-CM
488.12	Influenza due to identified 2009 H1N1 influenza virus with other respiratory manifestations	Diagnosis	ICD-9-CM

**Appendix B: 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) Codes Used to Define Cohorts in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
488.19	Influenza due to identified 2009 H1N1 influenza virus with other manifestations	Diagnosis	ICD-9-CM
488.8	Influenza due to novel influenza A	Diagnosis	ICD-9-CM
488.81	Influenza due to identified novel influenza A virus with pneumonia	Diagnosis	ICD-9-CM
488.82	Influenza due to identified novel influenza A virus with other respiratory manifestations	Diagnosis	ICD-9-CM
488.89	Influenza due to identified novel influenza A virus with other manifestations	Diagnosis	ICD-9-CM
J09.X1	Influenza due to identified novel influenza A virus with pneumonia	Diagnosis	ICD-10-CM
J09.X2	Influenza due to identified novel influenza A virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J09.X3	Influenza due to identified novel influenza A virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J09.X9	Influenza due to identified novel influenza A virus with other manifestations	Diagnosis	ICD-10-CM
J10.00	Influenza due to other identified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J10.01	Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia	Diagnosis	ICD-10-CM
J10.08	Influenza due to other identified influenza virus with other specified pneumonia	Diagnosis	ICD-10-CM
J10.1	Influenza due to other identified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J10.2	Influenza due to other identified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J10.81	Influenza due to other identified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J10.82	Influenza due to other identified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J10.83	Influenza due to other identified influenza virus with otitis media	Diagnosis	ICD-10-CM
J10.89	Influenza due to other identified influenza virus with other manifestations	Diagnosis	ICD-10-CM
J11.00	Influenza due to unidentified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J11.08	Influenza due to unidentified influenza virus with specified pneumonia	Diagnosis	ICD-10-CM
J11.1	Influenza due to unidentified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J11.2	Influenza due to unidentified influenza virus with gastrointestinal manifestations	Diagnosis	ICD-10-CM
J11.81	Influenza due to unidentified influenza virus with encephalopathy	Diagnosis	ICD-10-CM
J11.82	Influenza due to unidentified influenza virus with myocarditis	Diagnosis	ICD-10-CM
J11.83	Influenza due to unidentified influenza virus with otitis media	Diagnosis	ICD-10-CM
J11.89	Influenza due to unidentified influenza virus with other manifestations	Diagnosis	ICD-10-CM
J12.89	Other viral pneumonia	Diagnosis	ICD-10-CM
J12.9	Viral pneumonia, unspecified	Diagnosis	ICD-10-CM
J13	Pneumonia due to Streptococcus pneumoniae	Diagnosis	ICD-10-CM
J14	Pneumonia due to Hemophilus influenzae	Diagnosis	ICD-10-CM
J15.0	Pneumonia due to Klebsiella pneumoniae	Diagnosis	ICD-10-CM
J15.1	Pneumonia due to Pseudomonas	Diagnosis	ICD-10-CM
J15.20	Pneumonia due to staphylococcus, unspecified	Diagnosis	ICD-10-CM
J15.211	Pneumonia due to Methicillin susceptible Staphylococcus aureus	Diagnosis	ICD-10-CM
J15.212	Pneumonia due to Methicillin resistant Staphylococcus aureus	Diagnosis	ICD-10-CM
J15.29	Pneumonia due to other staphylococcus	Diagnosis	ICD-10-CM
J15.3	Pneumonia due to streptococcus, group B	Diagnosis	ICD-10-CM
J15.4	Pneumonia due to other streptococci	Diagnosis	ICD-10-CM
J15.6	Pneumonia due to other Gram-negative bacteria	Diagnosis	ICD-10-CM
J15.7	Pneumonia due to Mycoplasma pneumoniae	Diagnosis	ICD-10-CM
J15.8	Pneumonia due to other specified bacteria	Diagnosis	ICD-10-CM
J15.9	Unspecified bacterial pneumonia	Diagnosis	ICD-10-CM

**Appendix B: 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) Codes Used to Define Cohorts in this Request**

Code	Description	Code	
		Category	Code Type
J16.0	Chlamydial pneumonia	Diagnosis	ICD-10-CM
J16.8	Pneumonia due to other specified infectious organisms	Diagnosis	ICD-10-CM
J17	Pneumonia in diseases classified elsewhere	Diagnosis	ICD-10-CM
J18.0	Bronchopneumonia, unspecified organism	Diagnosis	ICD-10-CM
J18.1	Lobar pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J18.8	Other pneumonia, unspecified organism	Diagnosis	ICD-10-CM
J18.9	Pneumonia, unspecified organism	Diagnosis	ICD-10-CM
<b>Medically Attended Acute Respiratory Illness (MAARI)</b>			
079.99	Unspecified viral infection, in conditions classified elsewhere and of unspecified site	Diagnosis	ICD-9-CM
079.3	Rhinovirus infection in conditions classified elsewhere and of unspecified site	Diagnosis	ICD-9-CM
460	Acute nasopharyngitis (common cold)	Diagnosis	ICD-9-CM
462	Acute pharyngitis	Diagnosis	ICD-9-CM
463	Acute tonsillitis	Diagnosis	ICD-9-CM
464.0	Acute laryngitis	Diagnosis	ICD-9-CM
464.1	Acute tracheitis	Diagnosis	ICD-9-CM
465	Acute upper respiratory infections of multiple or unspecified sites	Diagnosis	ICD-9-CM
465.9	Acute upper respiratory infections of unspecified site	Diagnosis	ICD-9-CM
478.9	Other and unspecified diseases of upper respiratory tract	Diagnosis	ICD-9-CM
487	Influenza	Diagnosis	ICD-9-CM
487.0	Influenza with pneumonia	Diagnosis	ICD-9-CM
487.1	Influenza with other respiratory manifestations	Diagnosis	ICD-9-CM
488	Influenza due to certain identified influenza viruses	Diagnosis	ICD-9-CM
488.1	Influenza due to identified 2009 H1N1 influenza virus	Diagnosis	ICD-9-CM
490	Bronchitis, not specified as acute or chronic	Diagnosis	ICD-9-CM
B97.89	Other viral agents as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM
J00	Acute nasopharyngitis [common cold]	Diagnosis	ICD-10-CM
J02.8	Acute pharyngitis due to other specified organisms	Diagnosis	ICD-10-CM
J02.9	Acute pharyngitis, unspecified	Diagnosis	ICD-10-CM
J03.80	Acute tonsillitis due to other specified organisms	Diagnosis	ICD-10-CM
J03.81	Acute recurrent tonsillitis due to other specified organisms	Diagnosis	ICD-10-CM
J03.90	Acute tonsillitis, unspecified	Diagnosis	ICD-10-CM
J03.91	Acute recurrent tonsillitis, unspecified	Diagnosis	ICD-10-CM
J06.9	Acute upper respiratory infection, unspecified	Diagnosis	ICD-10-CM
J10.00	Influenza due to other identified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J10.01	Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia	Diagnosis	ICD-10-CM
J10.08	Influenza due to other identified influenza virus with other specified pneumonia	Diagnosis	ICD-10-CM
J10.1	Influenza due to other identified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J11.00	Influenza due to unidentified influenza virus with unspecified type of pneumonia	Diagnosis	ICD-10-CM
J11.08	Influenza due to unidentified influenza virus with specified pneumonia	Diagnosis	ICD-10-CM
J11.1	Influenza due to unidentified influenza virus with other respiratory manifestations	Diagnosis	ICD-10-CM
J12.9	Viral pneumonia, unspecified	Diagnosis	ICD-10-CM
J20.6	Acute bronchitis due to rhinovirus	Diagnosis	ICD-10-CM

**Appendix B: 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) Codes Used to Define Cohorts in this Request**

<b>Code</b>	<b>Description</b>	<b>Code</b>	
		<b>Category</b>	<b>Code Type</b>
J39.8	Other specified diseases of upper respiratory tract	Diagnosis	ICD-10-CM
J39.9	Disease of upper respiratory tract, unspecified	Diagnosis	ICD-10-CM
J40	Bronchitis, not specified as acute or chronic	Diagnosis	ICD-10-CM
B97.89	Other viral agents as the cause of diseases classified elsewhere	Diagnosis	ICD-10-CM

**Appendix C: 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), Current Procedural Terminology, Fourth Edition (CPT-4), HealthCare Common Procedure Coding System (HCPCS), and Revenue Codes Used to Define Endpoints in this Request**

Code	Description	Code Category	Code Type
<b>BIPHASIC POSITIVE AIRWAY PRESSURE (BiPAP)</b>			
A7027	Combination oral/nasal mask, used with continuous positive airway pressure device, each	Procedure	HCPCS
A7030	Full face mask used with positive airway pressure device, each	Procedure	HCPCS
A7034	Nasal interface (mask or cannula type) used with positive airway pressure device, with or without head strap	Procedure	HCPCS
A7044	Oral interface used with positive airway pressure device, each	Procedure	HCPCS
A7045	Exhalation port with or without swivel used with accessories for positive airway devices, replacement only	Procedure	HCPCS
A7046	Water chamber for humidifier, used with positive airway pressure device, replacement, each	Procedure	HCPCS
E0470	Respiratory assist device, bi-level pressure capability, without backup rate feature, used with noninvasive interface, e.g., nasal or facial mask (intermittent assist device with continuous positive airway pressure device)	Procedure	HCPCS
E0471	Respiratory assist device, bi-level pressure capability, with back-up rate feature, used with noninvasive interface, e.g., nasal or facial mask (intermittent assist device with continuous positive airway pressure device)	Procedure	HCPCS
E0472	Respiratory assist device, bi-level pressure capability, with backup rate feature, used with invasive interface, e.g., tracheostomy tube (intermittent assist device with continuous positive airway pressure device)	Procedure	HCPCS
E0561	Humidifier, nonheated, used with positive airway pressure device	Procedure	HCPCS
E0562	Humidifier, heated, used with positive airway pressure device	Procedure	HCPCS
<b>SUPPLEMENTAL OXYGEN</b>			
93.96	Other oxygen enrichment	Procedure	ICD-9-CM
V46.2	Other dependence on machines, supplemental oxygen	Diagnosis	ICD-9-CM
3E0F7GC	Introduction of Other Therapeutic Substance into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
Z99.81	Dependence on supplemental oxygen	Diagnosis	ICD-10-CM
94640	Pressurized or nonpressurized inhalation treatment for acute airway obstruction or for sputum induction for diagnostic purposes (eg, with an aerosol generator, nebulizer, metered dose inhaler or intermittent positive pressure breathing [IPPB] device)	Procedure	CPT-4
94644	Continuous inhalation treatment with aerosol medication for acute airway obstruction; first hour	Procedure	CPT-4
94645	Continuous inhalation treatment with aerosol medication for acute airway obstruction; each additional hour (List separately in addition to code for primary procedure)	Procedure	CPT-4
<b>MECHANICAL VENTILATION</b>			
93.90	Non-invasive mechanical ventilation	Procedure	ICD-9-CM
96.03	Insertion of esophageal obturator airway	Procedure	ICD-9-CM
96.04	Insertion of endotracheal tube	Procedure	ICD-9-CM
96.05	Other intubation of respiratory tract	Procedure	ICD-9-CM
96.7	Other continuous invasive mechanical ventilation	Procedure	ICD-9-CM
96.70	Continuous invasive mechanical ventilation of unspecified duration	Procedure	ICD-9-CM
96.71	Continuous invasive mechanical ventilation for less than 96 consecutive hours	Procedure	ICD-9-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
96.72	Continuous invasive mechanical ventilation for 96 consecutive hours or more	Procedure	ICD-9-CM
93.91	Intermittent positive pressure breathing (IPPB)	Procedure	ICD-9-CM
5A09357	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-PCS
5A09457	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-PCS
5A09557	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Positive Airway Pressure	Procedure	ICD-10-PCS
0B717DZ	Dilation of Trachea with Intraluminal Device, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B718DZ	Dilation of Trachea with Intraluminal Device, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BH072Z	Insertion of Monitoring Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH073Z	Insertion of Infusion Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH07DZ	Insertion of Intraluminal Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH07YZ	Insertion of Other Device into Tracheobronchial Tree, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH172Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH17EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH17YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BH182Z	Insertion of Monitoring Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BH18EZ	Insertion of Endotracheal Airway into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BH18YZ	Insertion of Other Device into Trachea, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHK72Z	Insertion of Monitoring Device into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHK73Z	Insertion of Infusion Device into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHK7YZ	Insertion of Other Device into Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHK82Z	Insertion of Monitoring Device into Right Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHK83Z	Insertion of Infusion Device into Right Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHK8YZ	Insertion of Other Device into Right Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHL72Z	Insertion of Monitoring Device into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHL73Z	Insertion of Infusion Device into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHL7YZ	Insertion of Other Device into Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHL82Z	Insertion of Monitoring Device into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHL83Z	Insertion of Infusion Device into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BHL8YZ	Insertion of Other Device into Left Lung, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DH57BZ	Insertion of Airway into Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DH58BZ	Insertion of Airway into Esophagus, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0WHQ73Z	Insertion of Infusion Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0WHQ7YZ	Insertion of Other Device into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
5A1935Z	Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-PCS
5A1945Z	Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-PCS
5A1955Z	Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-PCS

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
5A09358	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-PCS
5A0955B	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-PCS
5A09558	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-PCS
5A09559	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-PCS
5A09459	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-PCS
5A0945B	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-PCS
5A09458	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours, Intermittent Positive Airway Pressure	Procedure	ICD-10-PCS
5A0935B	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Intermittent Negative Airway Pressure	Procedure	ICD-10-PCS
5A09359	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours, Continuous Negative Airway Pressure	Procedure	ICD-10-PCS
5A0935Z	Assistance with Respiratory Ventilation, Less than 24 Consecutive Hours	Procedure	ICD-10-PCS
5A0955Z	Assistance with Respiratory Ventilation, Greater than 96 Consecutive Hours	Procedure	ICD-10-PCS
5A0945Z	Assistance with Respiratory Ventilation, 24-96 Consecutive Hours	Procedure	ICD-10-PCS
4168F	Patient receiving care in the intensive care unit (ICU) and receiving mechanical ventilation, 24 hours or less (CRIT)	Procedure	CPT-2
94662	continuous negative pressure ventilator	Procedure	CPT-4
94656	ventilation assist and management, initiation of pressure or volume preset ventilator for assisted or controlled breathing: first day	Procedure	CPT-4
94657	ventilation assist and management, initiation of pressure or volume preset ventilator for assisted or controlled breathing: subsequent days	Procedure	CPT-4
94002	ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, initial day	Procedure	CPT-4
94003	ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, each subsequent day	Procedure	CPT-4
94004	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; nursing facility, per day	Procedure	CPT-4

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Code	Description	Code	
		Category	Code Type
<b>CRITICAL OR OBSERVATIONAL CARE</b>			
99220	Initial observation care, per day, for the evaluation and management of a patient, which requires these 3 key components: A comprehensive history; A comprehensive examination; and Medical decision making of high complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the problem(s) requiring admission to outpatient hospital "observation status" are of high severity. Typically, 70 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99221	Initial hospital care, per day, for the evaluation and management of a patient, which requires these 3 key components: A detailed or comprehensive history; A detailed or comprehensive examination; and Medical decision making that is straightforward or of low complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the problem(s) requiring admission are of low severity. Typically, 30 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99222	Initial hospital care, per day, for the evaluation and management of a patient, which requires these 3 key components: A comprehensive history; A comprehensive examination; and Medical decision making of moderate complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the problem(s) requiring admission are of moderate severity. Typically, 50 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99223	Initial hospital care, per day, for the evaluation and management of a patient, which requires these 3 key components: A comprehensive history; A comprehensive examination; and Medical decision making of high complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the problem(s) requiring admission are of high severity. Typically, 70 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99224	Subsequent observation care, per day, for the evaluation and management of a patient, which requires at least 2 of these 3 key components: Problem focused interval history; Problem focused examination; Medical decision making that is straightforward or of low complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the patient is stable, recovering, or improving. Typically, 15 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
99225	Subsequent observation care, per day, for the evaluation and management of a patient, which requires at least 2 of these 3 key components: An expanded problem focused interval history; An expanded problem focused examination; Medical decision making of moderate complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the patient is responding inadequately to therapy or has developed a minor complication. Typically, 25 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99226	Subsequent observation care, per day, for the evaluation and management of a patient, which requires at least 2 of these 3 key components: A detailed interval history; A detailed examination; Medical decision making of high complexity. Counseling and/or coordination of care with other physicians, other qualified health care professionals, or agencies are provided consistent with the nature of the problem(s) and the patient's and/or family's needs. Usually, the patient is unstable or has developed a significant complication or a significant new problem. Typically, 35 minutes are spent at the bedside and on the patient's hospital floor or unit.	Procedure	CPT-4
99291	Critical care, evaluation and management of the critically ill or critically injured patient; first 30-74 minutes	Procedure	CPT-4
99292	Critical care, evaluation and management of the critically ill or critically injured patient; each additional 30 minutes (List separately in addition to code for primary service)	Procedure	CPT-4
31500	Intubation, endotracheal, emergency procedure	Procedure	CPT-4
94002	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, initial day	Procedure	CPT-4
94003	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; hospital inpatient/observation, each subsequent day	Procedure	CPT-4
94004	Ventilation assist and management, initiation of pressure or volume preset ventilators for assisted or controlled breathing; nursing facility, per day	Procedure	CPT-4
94660	Continuous positive airway pressure ventilation (CPAP), initiation and management	Procedure	CPT-4
99468	Initial inpatient neonatal critical care, per day, for the evaluation and management of a critically ill neonate, 28 days of age or younger	Procedure	CPT-4
99471	Initial inpatient pediatric critical care, per day, for the evaluation and management of a critically ill infant or young child, 29 days through 24 months of age	Procedure	CPT-4
99475	Initial inpatient pediatric critical care, per day, for the evaluation and management of a critically ill infant or young child, 2 through 5 years of age	Procedure	CPT-4
99295	Critically ill neonate through 28 days of life	Procedure	CPT-4
99256	Critically ill neonate through 28 days of life	Procedure	CPT-4
99293	Critically ill infant 29 days through 24 months of age	Procedure	CPT-4
99254	Critically ill infant 29 days through 24 months of age	Procedure	CPT-4
200	ICU	Procedure	Revenue
201	Surgical	Procedure	Revenue
202	Medical	Procedure	Revenue

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Code	Description	Code	
		Category	Code Type
203	Pediatric	Procedure	Revenue
204	Psychiatric	Procedure	Revenue
206	Post ICU	Procedure	Revenue
207	Burn Care	Procedure	Revenue
208	Trauma	Procedure	Revenue
209	Other intensive care	Procedure	Revenue
175	Neonatal ICU	Procedure	Revenue
0200	ICU	Procedure	Revenue
0201	Surgical	Procedure	Revenue
0202	Medical	Procedure	Revenue
0203	Pediatric	Procedure	Revenue
0204	Psychiatric	Procedure	Revenue
0206	Post ICU	Procedure	Revenue
0207	Burn Care	Procedure	Revenue
0208	Trauma	Procedure	Revenue
0209	Other intensive care	Procedure	Revenue
0175	Neonatal ICU	Procedure	Revenue
<b>EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO)</b>			
39.65	Extracorporeal membrane oxygenation (ECMO)	Procedure	ICD-9-CM
5A15223	Extracorporeal Membrane Oxygenation, Continuous	Procedure	ICD-10-PCS
33988	Insertion of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS	Procedure	CPT-4
33947	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; initiation, veno-arterial	Procedure	CPT-4
33965	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age	Procedure	CPT-4
33955	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age	Procedure	CPT-4
33964	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition central cannula(e) by sternotomy or thoracotomy, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33953	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age	Procedure	CPT-4
33959	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
33984	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), open, 6 years and older	Procedure	CPT-4
33962	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), open, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33958	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33986	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of central cannula(e) by sternotomy or thoracotomy, 6 years and older	Procedure	CPT-4
33952	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33948	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; daily management, each day, veno-venous	Procedure	CPT-4
33989	Removal of left heart vent by thoracic incision (eg, sternotomy, thoracotomy) for ECMO/ECLS	Procedure	CPT-4
33946	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; initiation, veno-venous	Procedure	CPT-4
36822	Insertion of cannula(s) for prolonged extracorporeal circulation for cardiopulmonary insufficiency (ECMO) (separate procedure)	Procedure	CPT-4
33954	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), open, 6 years and older	Procedure	CPT-4
33951	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33963	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33969	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), open, birth through 5 years of age	Procedure	CPT-4
33966	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of peripheral (arterial and/or venous) cannula(e), percutaneous, 6 years and older	Procedure	CPT-4
33987	Arterial exposure with creation of graft conduit (eg, chimney graft) to facilitate arterial perfusion for ECMO/ECLS (List separately in addition to code for primary procedure)	Procedure	CPT-4

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
33957	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; reposition peripheral (arterial and/or venous) cannula(e), percutaneous, birth through 5 years of age (includes fluoroscopic guidance, when performed)	Procedure	CPT-4
33985	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; removal of central cannula(e) by sternotomy or thoracotomy, birth through 5 years of age	Procedure	CPT-4
33949	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; daily management, each day, veno-arterial	Procedure	CPT-4
33956	Extracorporeal membrane oxygenation (ECMO)/extracorporeal life support (ECLS) provided by physician; insertion of central cannula(e) by sternotomy or thoracotomy, 6 years and older	Procedure	CPT-4
33960	Prolonged extracorporeal circulation for cardiopulmonary insufficiency; initial day	Procedure	CPT-4
33961	Prolonged extracorporeal circulation for cardiopulmonary insufficiency; each subsequent day	Procedure	CPT-4

**Appendix D: List of Generic and Brand Name Medical Products Used to Define Influenza Treatment in this Request**

<b>Generic Name</b>	<b>Brand Name</b>
<b>Oseltamivir</b>	
Oseltamivir phosphate	Tamiflu
Oseltamivir phosphate	oseltamivir
<b>Zanamivir</b>	
Zanamivir	Relenza Diskhaler
<b>Peramivir</b>	
Peramivir/PF	Rapivab

**Appendix E: List of Healthcare Common Procedure Coding System (HCPCS) Used to Define Influenza Treatment in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
<b>Peramivir</b>			
C9451	Injection, peramivir, 1 mg	Procedure	HCPCS
J2547	Injection, peramivir, 1 mg	Procedure	HCPCS

**Appendix F: List of Generic and Brand Name Medical Products Used to Define Baseline Characteristics in this Request**

Generic Name	Brand Name
<b>Influenza Vaccination</b>	
<b>Influenza Season July 1, 2014 - June 30, 2015</b>	
influenza vaccine quadrivalent live 2014-2015 (2 yrs-49 yrs)	Flumist Quad 2014-2015
influenza virus vaccine quad vs 2014-2015 (36 mos and older)	Flulaval Quad 2014-2015
influenza virus vaccine trival 2014-15 (36 mos and older)/PF	Flulaval 2014-2015 (PF)
influenza virus vaccine trivalent 2014-15 (36 mos and older)	Flulaval 2014-2015
influenza virus vaccine quadrival 2014-15(36 mos, older)/PF	Flulaval Quad 2014-2015 (PF)
influenza virus vaccine trivalnt 2014-2015 (5 yr, older)/PF	Afluria 2014-2015 (PF)
influenza virus vaccine trivalent 2014-2015 (5 yr and older)	Afluria 2014-2015
influenza virus vaccine tv 2014-2015(18 yrs, older)recomb/PF	Flublok 2014-2015 (PF)
influenza virus vaccine trival 2014-15 (36 mos and older)/PF	Fluzone 2014-2015 (PF)
influenza virus vaccine trivalent 2014-15 (6 mos and older)	Fluzone 2014-2015
influenza virus vaccine trivalent 2014-2015 (65 yr,older)/PF	Fluzone High-Dose 2014-15 (PF)
influenza virus vaccine quadrival 2014-15(36 mos, older)/PF	Fluzone Quad 2014-2015 (PF)
influenza virus vaccine quadrival 2014-15 (6 mos-35 mos)/PF	Fluzone Quad Pedi 2014-15 (PF)
influenza virus vaccine quadrival 2014-2015(6 mos and older)	Fluzone Quad 2014-2015
influenza virus vaccine trivalent 2014-15 (18 yrs-64 yrs)/PF	Fluzone Intraderm 2014-15 (PF)
influenza virus vaccine trival 2014-15 (36 mos and older)/PF	Fluarix 2014-2015 (PF)
influenza virus vaccine quadrival 2014-15(36 mos, older)/PF	Fluarix Quad 2014-2015 (PF)
influenza vaccine tv split 2014-15 (18 yr,up)cell derived/PF	Flucelvax 2014-2015 (PF)
influenza virus vaccine trivalnt 2014-2015 (4 yr, older)/PF	Fluvirin 2014-2015 (PF)
influenza virus vaccine trivalent 2014-2015 (4 yr and older)	Fluvirin 2014-2015
influenza vaccine tv split 2014-15 (18 yr,up)cell derived/PF	Single Use EZ Flu 2014-15(PF)
<b>Influenza Season July 1, 2015 - June 30, 2016</b>	
influenza vaccine quadrivalent live 2015-2016 (2 yrs-49 yrs)	Flumist Quad 2015-2016
influenza virus vaccine quadrival 2015-2016 (36 mos, older)	Flulaval Quad 2015-2016
influenza virus vaccine trivalnt 2015-2016 (5 yr, older)/PF	Afluria 2015-2016 (PF)
influenza virus vaccine trivalent 2015-2016 (5 yr and older)	Afluria 2015-2016
influenza virus vaccine tv 2015-2016(18 yrs, older)recomb/PF	Flublok 2015-2016 (PF)
influenza virus vaccine trivalent 2015-16 (6 mos and older)	Fluzone 2015-2016
influenza virus vaccine trivalent split 2015-16(65 yr,up)/PF	Fluzone High-Dose 2015-16 (PF)
influenza virus vaccine quadrival split2015-16(36 mos,up)/PF	Fluzone Quad 2015-2016 (PF)
influenza virus vaccine quadrival 2015-16 (6 mos-35 mos)/PF	Fluzone Quad Pedi 2015-16 (PF)
influenza virus vaccine qvalsplitted 2015-2016(6 mos and older)	Fluzone Quad 2015-2016
influenza virus vaccine quadrivalent 2015-16(18yrs-64yrs)/PF	Fluzone Intraderm Quad 2015-16
influenza virus vaccine quadrival split2015-16(36 mos,up)/PF	Fluarix Quad 2015-2016 (PF)
influenza vaccine trivalent 2015-16(18 yr,up)cell derived/PF	Flucelvax 2015-2016 (PF)
influenza vaccine tvs 2015-16 (65 yr,up)/adjuvant MF59C.1/PF	Fluad 2015-16(65yr+)(PF)
influenza virus vaccine trivalent 2015-2016 (4 yr, older)/PF	Fluvirin 2015-2016 (PF)
influenza virus vaccine trivalent 2015-2016 (4 yr and older)	Fluvirin 2015-2016
influenza virus vaccine trivalent 2015-2016 (4 yr, older)/PF	EZ Flu 2015-16 (Fluvirin) (PF)
influenza vaccine trivalent 2015-16(18 yr,up)cell derived/PF	EZ Flu 2015-16(Flucelvax)(PF)

**Appendix F: List of Generic and Brand Name Medical Products Used to Define Baseline Characteristics in this Request**

Generic Name	Brand Name
<b>Influenza Season July 1, 2015 - June 30, 2016</b>	
influenza virus vaccine qvalsplrit 2016-2017(6 mos and older)	Flulaval Quad 2016-2017
influenza virus vaccine qvalsplrit 2016-2017(6 mos and up)/PF	Flulaval Quad 2016-2017 (PF)
influenza virus vaccine trivalent 2016-2017 (5 years up)/PF	Afluria 2016-2017 (PF)
influenza virus vaccine trivalent 2016-2017 (5 yr and older)	Afluria 2016-2017
influenza virus vaccine tv 2016-17(18 yrs and older)rcmb/PF	Flublok 2016-2017 (PF)
influenza virus vaccine trival split 2016-2017(65 yr up)/PF	Fluzone High-Dose 2016-17 (PF)
influenza virus vaccine quadval split 2016-17(36 mos up)/PF	Fluzone Quad 2016-2017 (PF)
influenza virus vaccine quadrival 2016-17 (6 mos-35 mos)/PF	Fluzone Quad Pedi 2016-17 (PF)
influenza virus vaccine qvalsplrit 2016-2017(6 mos and older)	Fluzone Quad 2016-2017
influenza virus vaccine quadrivalent 2016-17(18yrs-64yrs)/PF	Fluzone Intraderm Quad 2016-17
influenza virus vaccine quadval split 2016-17(36 mos up)/PF	Fluarix Quad 2016-2017 (PF)
influenza vaccine tvs 2016-17 (65 yr up)/adjuvant MF59C.1/PF	Fluad 2016-2017 (65 yr up)(PF)
influenza virus vaccine trival 2016-2017 (4yr and older)/PF	Fluvirin 2016-2017 (PF)
influenza virus vaccine trivalent 2016-2017 (4 yr and older)	Fluvirin 2016-2017
flu vaccine qs 2016-2017(4 years and older)cell derived/PF	Flucelvax Quad 2016-2017 (PF)
influenza virus vaccine trival 2016-2017 (4yr and older)/PF	EZ Flu 2016-17 (Fluvirin) (PF)
influenza virus vaccine trivalent 2016-2017 (5 years up)/PF	EZ Flu 2016-17 (Afluria) (PF)
influenza vaccine quadrivalent live 2016-2017 (2 yrs-49 yrs)	Flumist Quad 2016-2017
influenza virus vaccine quadrival 2016-17 (6 mos-35 mos)/PF	EZ Flu16-17(Fluzon Qd Ped)(PF)
influenza virus vaccine quadrivalent 2016-17(18yr and up)/PF	Afluria Quad 2016-2017 (PF)
influenza virus vaccine quadrivalent 2016-17(18 year and up)	Afluria Quad 2016-2017
<b>Pneumococcal Vaccination</b>	
pneumococcal 7-valent conjugate vaccine (diphtheria crm)/PF	Prennar (PF)
pneumococcal 23-valent polysaccharide vaccine	Pneumovax 23
pneumococcal 13-valent conjugate vaccine (Diphtheria crm)/PF	Prennar 13 (PF)

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
<b>Influenza Testing</b>			
87275	Infectious agent antigen detection by immunofluorescent technique; influenza B virus	Procedure	CPT-4
87276	Infectious agent antigen detection by immunofluorescent technique; influenza A virus	Procedure	CPT-4
87400	Infectious agent antigen detection by immunoassay technique, (eg, enzyme immunoassay [EIA], enzyme-linked immunosorbent assay [ELISA], immunochemiluminometric assay [IMCA]) qualitative or semiquantitative, multiple-step method; Influenza, A or B, each	Procedure	CPT-4
87501	Infectious agent detection by nucleic acid (DNA or RNA); influenza virus, includes reverse transcription, when performed, and amplified probe technique, each type or subtype	Procedure	CPT-4
87502	Infectious agent detection by nucleic acid (DNA or RNA); influenza virus, for multiple types or sub-types, includes multiplex reverse transcription, when performed, and multiplex amplified probe technique, first 2 types or sub-types	Procedure	CPT-4
87503	Infectious agent detection by nucleic acid (DNA or RNA); influenza virus, for multiple types or sub-types, includes multiplex reverse transcription, when performed, and multiplex amplified probe technique, each additional influenza virus type or sub-type beyond 2 (List separately in addition to code for primary procedure)	Procedure	CPT-4
87804	Infectious agent antigen detection by immunoassay with direct optical observation; Influenza	Procedure	CPT-4
86710	Influenza A and B antibody serology (complement fixation)	Procedure	CPT-4
<b>Asthma</b>			
493	Asthma	Diagnosis	ICD-9-CM
493.0	Extrinsic asthma	Diagnosis	ICD-9-CM
493.00	Extrinsic asthma, unspecified	Diagnosis	ICD-9-CM
493.01	Extrinsic asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.02	Extrinsic asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.1	Intrinsic asthma	Diagnosis	ICD-9-CM
493.10	Intrinsic asthma, unspecified	Diagnosis	ICD-9-CM
493.11	Intrinsic asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.12	Intrinsic asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.2	Chronic obstructive asthma	Diagnosis	ICD-9-CM
493.20	Chronic obstructive asthma, unspecified	Diagnosis	ICD-9-CM
493.21	Chronic obstructive asthma with status asthmaticus	Diagnosis	ICD-9-CM
493.22	Chronic obstructive asthma, with (acute) exacerbation	Diagnosis	ICD-9-CM
493.8	Other forms of asthma	Diagnosis	ICD-9-CM
493.81	Exercise induced bronchospasm	Diagnosis	ICD-9-CM
493.82	Cough variant asthma	Diagnosis	ICD-9-CM
493.9	Unspecified asthma	Diagnosis	ICD-9-CM
493.90	Asthma, unspecified, unspecified status	Diagnosis	ICD-9-CM
493.91	Asthma, unspecified with status asthmaticus	Diagnosis	ICD-9-CM
493.92	Asthma, unspecified, with (acute) exacerbation	Diagnosis	ICD-9-CM
J45.20	Mild intermittent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.21	Mild intermittent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.22	Mild intermittent asthma with status asthmaticus	Diagnosis	ICD-10-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
J45.30	Mild persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.31	Mild persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.32	Mild persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.40	Moderate persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.41	Moderate persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.42	Moderate persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.50	Severe persistent asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.51	Severe persistent asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.52	Severe persistent asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.901	Unspecified asthma with (acute) exacerbation	Diagnosis	ICD-10-CM
J45.902	Unspecified asthma with status asthmaticus	Diagnosis	ICD-10-CM
J45.909	Unspecified asthma, uncomplicated	Diagnosis	ICD-10-CM
J45.990	Exercise induced bronchospasm	Diagnosis	ICD-10-CM
J45.991	Cough variant asthma	Diagnosis	ICD-10-CM
J45.998	Other asthma	Diagnosis	ICD-10-CM
<b>Chronic Obstructive Pulmonary Disease (COPD)</b>			
491	Chronic bronchitis	Diagnosis	ICD-9-CM
491.0	Simple chronic bronchitis	Diagnosis	ICD-9-CM
491.1	Mucopurulent chronic bronchitis	Diagnosis	ICD-9-CM
491.2	Obstructive chronic bronchitis	Diagnosis	ICD-9-CM
491.20	Obstructive chronic bronchitis, without exacerbation	Diagnosis	ICD-9-CM
491.21	Obstructive chronic bronchitis, with (acute) exacerbation	Diagnosis	ICD-9-CM
491.22	Obstructive chronic bronchitis with acute bronchitis	Diagnosis	ICD-9-CM
491.8	Other chronic bronchitis	Diagnosis	ICD-9-CM
491.9	Unspecified chronic bronchitis	Diagnosis	ICD-9-CM
492	Emphysema	Diagnosis	ICD-9-CM
492.0	Emphysematous bleb	Diagnosis	ICD-9-CM
492.8	Other emphysema	Diagnosis	ICD-9-CM
496	Chronic airway obstruction, not elsewhere classified	Diagnosis	ICD-9-CM
J41.0	Simple chronic bronchitis	Diagnosis	ICD-10-CM
J41.1	Mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J41.8	Mixed simple and mucopurulent chronic bronchitis	Diagnosis	ICD-10-CM
J42	Unspecified chronic bronchitis	Diagnosis	ICD-10-CM
J43.0	Unilateral pulmonary emphysema [MacLeod's syndrome]	Diagnosis	ICD-10-CM
J43.1	Panlobular emphysema	Diagnosis	ICD-10-CM
J43.2	Centrilobular emphysema	Diagnosis	ICD-10-CM
J43.8	Other emphysema	Diagnosis	ICD-10-CM
J43.9	Emphysema, unspecified	Diagnosis	ICD-10-CM
J44	Other chronic obstructive pulmonary disease	Diagnosis	ICD-10-CM
J44.0	Chronic obstructive pulmonary disease with acute lower respiratory infection	Diagnosis	ICD-10-CM
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
J44.9	Chronic obstructive pulmonary disease, unspecified	Diagnosis	ICD-10-CM
<b>Diabetes</b>			
250.01	Diabetes mellitus without mention of complication, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.03	Diabetes mellitus without mention of complication, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.11	Diabetes with ketoacidosis, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.13	Diabetes with ketoacidosis, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.21	Diabetes with hyperosmolarity, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.23	Diabetes with hyperosmolarity, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.31	Diabetes with other coma, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.33	Diabetes with other coma, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.41	Diabetes with renal manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.43	Diabetes with renal manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.51	Diabetes with ophthalmic manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.53	Diabetes with ophthalmic manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.61	Diabetes with neurological manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.63	Diabetes with neurological manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.71	Diabetes with peripheral circulatory disorders, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.73	Diabetes with peripheral circulatory disorders, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.81	Diabetes with other specified manifestations, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.83	Diabetes with other specified manifestations, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
250.91	Diabetes with unspecified complication, type I [juvenile type], not stated as uncontrolled	Diagnosis	ICD-9-CM
250.93	Diabetes with unspecified complication, type I [juvenile type], uncontrolled	Diagnosis	ICD-9-CM
E109	Type 1 diabetes mellitus without complications	Diagnosis	ICD-10-CM
E1065	Type 1 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E1010	Type 1 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E1069	Type 1 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E1011	Type 1 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E10641	Type 1 diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E1029	Type 1 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E1021	Type 1 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E10311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E10319	Type 1 diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E1036	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E1037X1	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E1037X2	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E1037X3	Type 1 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E1037X9	Type 1 diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E1039	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E1040	Type 1 diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E1051	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E10618	Type 1 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E10620	Type 1 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E10621	Type 1 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E10622	Type 1 diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E10628	Type 1 diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E10630	Type 1 diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E10638	Type 1 diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E10649	Type 1 diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E108	Type 1 diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E1022	Type 1 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E103599	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103593	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103592	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103591	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103559	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E103553	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E103552	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E103551	Type 1 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E103549	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E103543	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E103542	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E103541	Type 1 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E103539	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E103533	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E103532	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E103531	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E103529	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E103523	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E103522	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E103521	Type 1 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E103519	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103513	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103512	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103511	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103499	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103493	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103492	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103491	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103419	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103413	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103412	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103411	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103399	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103393	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103392	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103391	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E103319	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103313	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103312	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103311	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E103299	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103293	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E103292	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E103291	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E103219	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E103213	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E103212	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E103211	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E10610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E1049	Type 1 diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E1044	Type 1 diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E1043	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E1042	Type 1 diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E1041	Type 1 diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E1059	Type 1 diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E1052	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
250.00	Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.10	Diabetes with ketoacidosis, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.20	Diabetes with hyperosmolarity, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.30	Diabetes with other coma, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.40	Diabetes with renal manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.50	Diabetes with ophthalmic manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
250.60	Diabetes with neurological manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.70	Diabetes with peripheral circulatory disorders, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.80	Diabetes with other specified manifestations, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.90	Diabetes with unspecified complication, type II or unspecified type, not stated as uncontrolled	Diagnosis	ICD-9-CM
250.02	Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.12	Diabetes with ketoacidosis, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.22	Diabetes with hyperosmolarity, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.32	Diabetes with other coma, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.42	Diabetes with renal manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.52	Diabetes with ophthalmic manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.62	Diabetes with neurological manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.72	Diabetes with peripheral circulatory disorders, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.82	Diabetes with other specified manifestations, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
250.92	Diabetes with unspecified complication, type II or unspecified type, uncontrolled	Diagnosis	ICD-9-CM
E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E11.10	Type 2 diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E11.11	Type 2 diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E11.21	Type 2 diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E11.3211	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3212	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3213	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3219	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3291	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3292	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E11.3293	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3299	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3311	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3312	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3313	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3319	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3391	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3392	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3393	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3399	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3411	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3412	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3413	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3419	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3491	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3492	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3493	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3499	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3511	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E11.3512	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E11.3513	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E11.3519	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.3521	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E11.3522	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E11.3523	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E11.3529	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E11.3531	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E11.3532	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E11.3533	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E11.3539	Type 2 diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E11.3541	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E11.3542	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E11.3543	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E11.3549	Type 2 diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E11.3551	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E11.3552	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM
E11.3553	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E11.3559	Type 2 diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E11.3591	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E11.3592	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E11.3593	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E11.3599	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E11.36	Type 2 diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E11.37X1	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E11.37X2	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E11.37X3	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E11.37X9	Type 2 diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E11.44	Type 2 diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E11.49	Type 2 diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E11.59	Type 2 diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E11.620	Type 2 diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E11.621	Type 2 diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E11.622	Type 2 diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E11.628	Type 2 diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E11.630	Type 2 diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E11.638	Type 2 diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E11.641	Type 2 diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E11.649	Type 2 diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E11.65	Type 2 diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM
E11.69	Type 2 diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E11.8	Type 2 diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E11.9	Type 2 diabetes mellitus without complications	Diagnosis	ICD-10-CM
E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)	Diagnosis	ICD-10-CM
E13.01	Other specified diabetes mellitus with hyperosmolarity with coma	Diagnosis	ICD-10-CM
E13.10	Other specified diabetes mellitus with ketoacidosis without coma	Diagnosis	ICD-10-CM
E13.11	Other specified diabetes mellitus with ketoacidosis with coma	Diagnosis	ICD-10-CM
E13.21	Other specified diabetes mellitus with diabetic nephropathy	Diagnosis	ICD-10-CM
E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease	Diagnosis	ICD-10-CM
E13.29	Other specified diabetes mellitus with other diabetic kidney complication	Diagnosis	ICD-10-CM
E13.311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema	Diagnosis	ICD-10-CM
E13.319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema	Diagnosis	ICD-10-CM
E13.3211	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E13.3212	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3213	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3219	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3291	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3292	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3293	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3299	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3311	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3312	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3313	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3319	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3391	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3392	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3393	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3399	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3411	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3412	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3413	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3419	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3491	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E13.3492	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3493	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3499	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3511	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, right eye	Diagnosis	ICD-10-CM
E13.3512	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, left eye	Diagnosis	ICD-10-CM
E13.3513	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3519	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.3521	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, right eye	Diagnosis	ICD-10-CM
E13.3522	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, left eye	Diagnosis	ICD-10-CM
E13.3523	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, bilateral	Diagnosis	ICD-10-CM
E13.3529	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E13.3531	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, right eye	Diagnosis	ICD-10-CM
E13.3532	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, left eye	Diagnosis	ICD-10-CM
E13.3533	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, bilateral	Diagnosis	ICD-10-CM
E13.3539	Other specified diabetes mellitus with proliferative diabetic retinopathy with traction retinal detachment not involving the macula, unspecified eye	Diagnosis	ICD-10-CM
E13.3541	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, right eye	Diagnosis	ICD-10-CM
E13.3542	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, left eye	Diagnosis	ICD-10-CM
E13.3543	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, bilateral	Diagnosis	ICD-10-CM
E13.3549	Other specified diabetes mellitus with proliferative diabetic retinopathy with combined traction retinal detachment and rhegmatogenous retinal detachment, unspecified eye	Diagnosis	ICD-10-CM
E13.3551	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, right eye	Diagnosis	ICD-10-CM
E13.3552	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, left eye	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E13.3553	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, bilateral	Diagnosis	ICD-10-CM
E13.3559	Other specified diabetes mellitus with stable proliferative diabetic retinopathy, unspecified eye	Diagnosis	ICD-10-CM
E13.3591	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, right eye	Diagnosis	ICD-10-CM
E13.3592	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, left eye	Diagnosis	ICD-10-CM
E13.3593	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, bilateral	Diagnosis	ICD-10-CM
E13.3599	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema, unspecified eye	Diagnosis	ICD-10-CM
E13.36	Other specified diabetes mellitus with diabetic cataract	Diagnosis	ICD-10-CM
E13.37X1	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, right eye	Diagnosis	ICD-10-CM
E13.37X2	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, left eye	Diagnosis	ICD-10-CM
E13.37X3	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, bilateral	Diagnosis	ICD-10-CM
E13.37X9	Other specified diabetes mellitus with diabetic macular edema, resolved following treatment, unspecified eye	Diagnosis	ICD-10-CM
E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication	Diagnosis	ICD-10-CM
E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified	Diagnosis	ICD-10-CM
E13.41	Other specified diabetes mellitus with diabetic mononeuropathy	Diagnosis	ICD-10-CM
E13.42	Other specified diabetes mellitus with diabetic polyneuropathy	Diagnosis	ICD-10-CM
E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy	Diagnosis	ICD-10-CM
E13.44	Other specified diabetes mellitus with diabetic amyotrophy	Diagnosis	ICD-10-CM
E13.49	Other specified diabetes mellitus with other diabetic neurological complication	Diagnosis	ICD-10-CM
E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene	Diagnosis	ICD-10-CM
E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene	Diagnosis	ICD-10-CM
E13.59	Other specified diabetes mellitus with other circulatory complications	Diagnosis	ICD-10-CM
E13.610	Other specified diabetes mellitus with diabetic neuropathic arthropathy	Diagnosis	ICD-10-CM
E13.618	Other specified diabetes mellitus with other diabetic arthropathy	Diagnosis	ICD-10-CM
E13.620	Other specified diabetes mellitus with diabetic dermatitis	Diagnosis	ICD-10-CM
E13.621	Other specified diabetes mellitus with foot ulcer	Diagnosis	ICD-10-CM
E13.622	Other specified diabetes mellitus with other skin ulcer	Diagnosis	ICD-10-CM
E13.628	Other specified diabetes mellitus with other skin complications	Diagnosis	ICD-10-CM
E13.630	Other specified diabetes mellitus with periodontal disease	Diagnosis	ICD-10-CM
E13.638	Other specified diabetes mellitus with other oral complications	Diagnosis	ICD-10-CM
E13.641	Other specified diabetes mellitus with hypoglycemia with coma	Diagnosis	ICD-10-CM
E13.649	Other specified diabetes mellitus with hypoglycemia without coma	Diagnosis	ICD-10-CM
E13.65	Other specified diabetes mellitus with hyperglycemia	Diagnosis	ICD-10-CM

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<b>Code</b>	<b>Description</b>	<b>Code Category</b>	<b>Code Type</b>
E13.69	Other specified diabetes mellitus with other specified complication	Diagnosis	ICD-10-CM
E13.8	Other specified diabetes mellitus with unspecified complications	Diagnosis	ICD-10-CM
E13.9	Other specified diabetes mellitus without complications	Diagnosis	ICD-10-CM
648.0	Maternal diabetes mellitus complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-9-CM
648.00	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care	Diagnosis	ICD-9-CM
648.01	Maternal diabetes mellitus with delivery	Diagnosis	ICD-9-CM
648.02	Maternal diabetes mellitus with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
648.03	Maternal diabetes mellitus, antepartum	Diagnosis	ICD-9-CM
648.04	Maternal diabetes mellitus, complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
O24319	Unspecified pre-existing diabetes mellitus in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O2432	Unspecified pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O2492	Unspecified diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O24913	Unspecified diabetes mellitus in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24912	Unspecified diabetes mellitus in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24911	Unspecified diabetes mellitus in pregnancy, first trimester	Diagnosis	ICD-10-CM
O2493	Unspecified diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
O24019	Pre-existing type 1 diabetes mellitus, in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O24919	Unspecified diabetes mellitus in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O24819	Other pre-existing diabetes mellitus in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O24119	Pre-existing type 2 diabetes mellitus, in pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O24011	Pre-existing type 1 diabetes mellitus, in pregnancy, first trimester	Diagnosis	ICD-10-CM
O2482	Other pre-existing diabetes mellitus in childbirth	Diagnosis	ICD-10-CM
O24813	Other pre-existing diabetes mellitus in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24812	Other pre-existing diabetes mellitus in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24811	Other pre-existing diabetes mellitus in pregnancy, first trimester	Diagnosis	ICD-10-CM
O24313	Unspecified pre-existing diabetes mellitus in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24312	Unspecified pre-existing diabetes mellitus in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24311	Unspecified pre-existing diabetes mellitus in pregnancy, first trimester	Diagnosis	ICD-10-CM
O2412	Pre-existing type 2 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O24113	Pre-existing type 2 diabetes mellitus, in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24112	Pre-existing type 2 diabetes mellitus, in pregnancy, second trimester	Diagnosis	ICD-10-CM
O24111	Pre-existing type 2 diabetes mellitus, in pregnancy, first trimester	Diagnosis	ICD-10-CM
O2402	Pre-existing type 1 diabetes mellitus, in childbirth	Diagnosis	ICD-10-CM
O24013	Pre-existing type 1 diabetes mellitus, in pregnancy, third trimester	Diagnosis	ICD-10-CM
O24012	Pre-existing type 1 diabetes mellitus, in pregnancy, second trimester	Diagnosis	ICD-10-CM
O2403	Pre-existing type 1 diabetes mellitus, in the puerperium	Diagnosis	ICD-10-CM
O2483	Other pre-existing diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
O2433	Unspecified pre-existing diabetes mellitus in the puerperium	Diagnosis	ICD-10-CM
O2413	Pre-existing type 2 diabetes mellitus, in the puerperium	Diagnosis	ICD-10-CM

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Code	Description	Code	
		Category	Code Type
648.81	Abnormal maternal glucose tolerance, with delivery	Diagnosis	ICD-9-CM
648.82	Abnormal maternal glucose tolerance, with delivery, with current postpartum complication	Diagnosis	ICD-9-CM
648.83	Abnormal maternal glucose tolerance, antepartum	Diagnosis	ICD-9-CM
648.84	Abnormal maternal glucose tolerance complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
O24.414	Gestational diabetes mellitus in pregnancy, insulin controlled	Diagnosis	ICD-10-CM
O24.415	Gestational diabetes mellitus in pregnancy, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24.419	Gestational diabetes mellitus in pregnancy, unspecified control	Diagnosis	ICD-10-CM
O24.425	Gestational diabetes mellitus in childbirth, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24.429	Gestational diabetes mellitus in childbirth, unspecified control	Diagnosis	ICD-10-CM
O24.434	Gestational diabetes mellitus in the puerperium, insulin controlled	Diagnosis	ICD-10-CM
O24.435	Gestational diabetes mellitus in puerperium, controlled by oral hypoglycemic drugs	Diagnosis	ICD-10-CM
O24.439	Gestational diabetes mellitus in the puerperium, unspecified control	Diagnosis	ICD-10-CM
<b>Obesity</b>			
278.00	Obesity, unspecified	Diagnosis	ICD-9-CM
278.01	Morbid obesity	Diagnosis	ICD-9-CM
539.0	Complications of gastric band procedure	Diagnosis	ICD-9-CM
539.01	Infection due to gastric band procedure	Diagnosis	ICD-9-CM
539.09	Other complications of gastric band procedure	Diagnosis	ICD-9-CM
539.8	Complications of other bariatric procedure	Diagnosis	ICD-9-CM
539.81	Infection due to other bariatric procedure	Diagnosis	ICD-9-CM
539.89	Other complications of other bariatric procedure	Diagnosis	ICD-9-CM
649.1	Obesity complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-9-CM
649.10	Obesity complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	Diagnosis	ICD-9-CM
649.11	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
649.12	Obesity complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM
649.13	Obesity complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	Diagnosis	ICD-9-CM
649.14	Obesity complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
649.2	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium	Diagnosis	ICD-9-CM
649.20	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable	Diagnosis	ICD-9-CM
649.21	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition	Diagnosis	ICD-9-CM
649.22	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication	Diagnosis	ICD-9-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
649.23	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication	Diagnosis	ICD-9-CM
649.24	Bariatric surgery status complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication	Diagnosis	ICD-9-CM
V85.3	Body Mass Index between 30-39, adult	Diagnosis	ICD-9-CM
V85.30	Body Mass Index 30.0-30.9, adult	Diagnosis	ICD-9-CM
V85.31	Body Mass Index 31.0-31.9, adult	Diagnosis	ICD-9-CM
V85.32	Body Mass Index 32.0-32.9, adult	Diagnosis	ICD-9-CM
V85.33	Body Mass Index 33.0-33.9, adult	Diagnosis	ICD-9-CM
V85.34	Body Mass Index 34.0-34.9, adult	Diagnosis	ICD-9-CM
V85.35	Body Mass Index 35.0-35.9, adult	Diagnosis	ICD-9-CM
V85.36	Body Mass Index 36.0-36.9, adult	Diagnosis	ICD-9-CM
V85.37	Body Mass Index 37.0-37.9, adult	Diagnosis	ICD-9-CM
V85.38	Body Mass Index 38.0-38.9, adult	Diagnosis	ICD-9-CM
V85.39	Body Mass Index 39.0-39.9, adult	Diagnosis	ICD-9-CM
V85.4	Body Mass Index 40 and over, adult	Diagnosis	ICD-9-CM
V85.41	Body Mass Index 40.0-44.9, adult	Diagnosis	ICD-9-CM
V85.42	Body Mass Index 45.0-49.9, adult	Diagnosis	ICD-9-CM
V85.43	Body Mass Index 50.0-59.9, adult	Diagnosis	ICD-9-CM
V85.44	Body Mass Index 60.0-69.9, adult	Diagnosis	ICD-9-CM
V85.45	Body Mass Index 70 and over, adult	Diagnosis	ICD-9-CM
E66.01	Morbid (severe) obesity due to excess calories	Diagnosis	ICD-10-CM
E66.09	Other obesity due to excess calories	Diagnosis	ICD-10-CM
E66.1	Drug-induced obesity	Diagnosis	ICD-10-CM
E66.8	Other obesity	Diagnosis	ICD-10-CM
E66.9	Obesity, unspecified	Diagnosis	ICD-10-CM
K95.01	Infection due to gastric band procedure	Diagnosis	ICD-10-CM
K95.09	Other complications of gastric band procedure	Diagnosis	ICD-10-CM
K95.81	Infection due to other bariatric procedure	Diagnosis	ICD-10-CM
K95.89	Other complications of other bariatric procedure	Diagnosis	ICD-10-CM
O99.210	Obesity complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O99.211	Obesity complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O99.212	Obesity complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O99.213	Obesity complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O99.214	Obesity complicating childbirth	Diagnosis	ICD-10-CM
O99.215	Obesity complicating the puerperium	Diagnosis	ICD-10-CM
O99.840	Bariatric surgery status complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O99.841	Bariatric surgery status complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O99.842	Bariatric surgery status complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O99.843	Bariatric surgery status complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O99.844	Bariatric surgery status complicating childbirth	Diagnosis	ICD-10-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
O99.845	Bariatric surgery status complicating the puerperium	Diagnosis	ICD-10-CM
Z68.30	Body mass index (BMI) 30.0-30.9, adult	Diagnosis	ICD-10-CM
Z68.31	Body mass index (BMI) 31.0-31.9, adult	Diagnosis	ICD-10-CM
Z68.32	Body mass index (BMI) 32.0-32.9, adult	Diagnosis	ICD-10-CM
Z68.33	Body mass index (BMI) 33.0-33.9, adult	Diagnosis	ICD-10-CM
Z68.34	Body mass index (BMI) 34.0-34.9, adult	Diagnosis	ICD-10-CM
Z68.35	Body mass index (BMI) 35.0-35.9, adult	Diagnosis	ICD-10-CM
Z68.36	Body mass index (BMI) 36.0-36.9, adult	Diagnosis	ICD-10-CM
Z68.37	Body mass index (BMI) 37.0-37.9, adult	Diagnosis	ICD-10-CM
Z68.38	Body mass index (BMI) 38.0-38.9, adult	Diagnosis	ICD-10-CM
Z68.39	Body mass index (BMI) 39.0-39.9, adult	Diagnosis	ICD-10-CM
Z68.41	Body mass index (BMI) 40.0-44.9, adult	Diagnosis	ICD-10-CM
Z68.42	Body mass index (BMI) 45.0-49.9, adult	Diagnosis	ICD-10-CM
Z68.43	Body mass index (BMI) 50-59.9, adult	Diagnosis	ICD-10-CM
Z68.44	Body mass index (BMI) 60.0-69.9, adult	Diagnosis	ICD-10-CM
Z68.45	Body mass index (BMI) 70 or greater, adult	Diagnosis	ICD-10-CM
278.03	Obesity hypoventilation syndrome	Diagnosis	ICD-9-CM
E66.2	Morbid (severe) obesity with alveolar hypoventilation	Diagnosis	ICD-10-CM
43644	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and Roux-en-Y gastroenterostomy (roux limb 150 cm or less)	Procedure	CPT-4
43645	Laparoscopy, surgical, gastric restrictive procedure; with gastric bypass and small intestine reconstruction to limit absorption	Procedure	CPT-4
43770	Laparoscopy, surgical, gastric restrictive procedure; placement of adjustable gastric restrictive device (eg, gastric band and subcutaneous port components)	Procedure	CPT-4
43842	Gastric restrictive procedure, without gastric bypass, for morbid obesity; vertical-banded gastroplasty	Procedure	CPT-4
43843	Gastric restrictive procedure, without gastric bypass, for morbid obesity; other than vertical-banded gastroplasty	Procedure	CPT-4
43845	Gastric restrictive procedure with partial gastrectomy, pylorus-preserving duodenoileostomy and ileoileostomy (50 to 100 cm common channel) to limit absorption (biliopancreatic diversion with duodenal switch)	Procedure	CPT-4
43846	Gastric restrictive procedure, with gastric bypass for morbid obesity; with short limb (150 cm or less) Roux-en-Y gastroenterostomy	Procedure	CPT-4
43847	Gastric restrictive procedure, with gastric bypass for morbid obesity; with small intestine reconstruction to limit absorption	Procedure	CPT-4
43.89	Open and other partial gastrectomy	Procedure	ICD-9-CM
44.38	Laparoscopic gastroenterostomy	Procedure	ICD-9-CM
44.39	Other gastroenterostomy without gastrectomy	Procedure	ICD-9-CM
44.68	Laparoscopic gastroplasty	Procedure	ICD-9-CM
44.95	Laparoscopic gastric restrictive procedure	Procedure	ICD-9-CM
45.51	Isolation of segment of small intestine	Procedure	ICD-9-CM

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
45.91	Small-to-small intestinal anastomosis	Procedure	ICD-9-CM
0D16079	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1607A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1607B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1607L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160J9	Bypass Stomach to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JA	Bypass Stomach to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JB	Bypass Stomach to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160Z9	Bypass Stomach to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D160ZA	Bypass Stomach to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D160ZB	Bypass Stomach to Ileum, Open Approach	Procedure	ICD-10-PCS
0D160ZL	Bypass Stomach to Transverse Colon, Open Approach	Procedure	ICD-10-PCS
0D16479	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1647A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1647B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1647L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164J9	Bypass Stomach to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164JA	Bypass Stomach to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164JB	Bypass Stomach to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164Z9	Bypass Stomach to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164ZA	Bypass Stomach to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
0D164ZB	Bypass Stomach to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D164ZL	Bypass Stomach to Transverse Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D16879	Bypass Stomach to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1687A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1687B	Bypass Stomach to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1687L	Bypass Stomach to Transverse Colon with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168J9	Bypass Stomach to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JA	Bypass Stomach to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JB	Bypass Stomach to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168JL	Bypass Stomach to Transverse Colon with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168K9	Bypass Stomach to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168KB	Bypass Stomach to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168KL	Bypass Stomach to Transverse Colon with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168Z9	Bypass Stomach to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZA	Bypass Stomach to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZB	Bypass Stomach to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D168ZL	Bypass Stomach to Transverse Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D19079	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1907A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1907B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D190JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D190JB	Bypass Duodenum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D190K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D190Z9	Bypass Duodenum to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D190ZA	Bypass Duodenum to Jejunum, Open Approach	Procedure	ICD-10-PCS

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
0D190ZB	Bypass Duodenum to Ileum, Open Approach	Procedure	ICD-10-PCS
0D19479	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1947A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1947B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194JB	Bypass Duodenum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194Z9	Bypass Duodenum to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194ZA	Bypass Duodenum to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D194ZB	Bypass Duodenum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D19879	Bypass Duodenum to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1987A	Bypass Duodenum to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1987B	Bypass Duodenum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198J9	Bypass Duodenum to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198JA	Bypass Duodenum to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198JB	Bypass Duodenum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198K9	Bypass Duodenum to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198KA	Bypass Duodenum to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198KB	Bypass Duodenum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198Z9	Bypass Duodenum to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198ZA	Bypass Duodenum to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D198ZB	Bypass Duodenum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
0D1A07A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A07B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0JB	Bypass Jejunum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1A0ZA	Bypass Jejunum to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D1A0ZB	Bypass Jejunum to Ileum, Open Approach	Procedure	ICD-10-PCS
0D1A47A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A47B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4JB	Bypass Jejunum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4ZA	Bypass Jejunum to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A4ZB	Bypass Jejunum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1A87A	Bypass Jejunum to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A87B	Bypass Jejunum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8JA	Bypass Jejunum to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8JB	Bypass Jejunum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8KA	Bypass Jejunum to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8KB	Bypass Jejunum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8ZA	Bypass Jejunum to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8ZB	Bypass Jejunum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1A8ZH	Bypass Jejunum to Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B07B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1B0JB	Bypass Ileum to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D1B0KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1B0ZB	Bypass Ileum to Ileum, Open Approach	Procedure	ICD-10-PCS
0D1B47B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

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Code	Description	Code	
		Category	Code Type
0D1B4JB	Bypass Ileum to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B4KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B4ZB	Bypass Ileum to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1B87B	Bypass Ileum to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8JB	Bypass Ileum to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8KB	Bypass Ileum to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8ZB	Bypass Ileum to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1B8ZH	Bypass Ileum to Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DB60Z3	Excision of Stomach, Open Approach, Vertical	Procedure	ICD-10-PCS
0DB60ZZ	Excision of Stomach, Open Approach	Procedure	ICD-10-PCS
0DB63Z3	Excision of Stomach, Percutaneous Approach, Vertical	Procedure	ICD-10-PCS
0DB63ZZ	Excision of Stomach, Percutaneous Approach	Procedure	ICD-10-PCS
0DB67Z3	Excision of Stomach, Via Natural or Artificial Opening, Vertical	Procedure	ICD-10-PCS
0DB67ZZ	Excision of Stomach, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB68Z3	Excision of Stomach, Via Natural or Artificial Opening Endoscopic, Vertical	Procedure	ICD-10-PCS
0DB80ZZ	Excision of Small Intestine, Open Approach	Procedure	ICD-10-PCS
0DB90ZZ	Excision of Duodenum, Open Approach	Procedure	ICD-10-PCS
0DBB0ZZ	Excision of Ileum, Open Approach	Procedure	ICD-10-PCS
0DQ64ZZ	Repair Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DV64CZ	Restriction of Stomach with Extraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0F190Z3	Bypass Common Bile Duct to Duodenum, Open Approach	Procedure	ICD-10-PCS
0TRB07Z	Replacement of Bladder with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
<b>Influenza Vaccination</b>			
90630	Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, for intradermal use	Procedure	CPT-4
90653	Influenza vaccine, inactivated (IIV), subunit, adjuvanted, for intramuscular use	Procedure	CPT-4
90654	Influenza virus vaccine, trivalent (IIV3), split virus, preservative-free, for intradermal use	Procedure	CPT-4
90655	Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, 0.25 mL dosage, for intramuscular use	Procedure	CPT-4
90656	Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90657	Influenza virus vaccine, trivalent (IIV3), split virus, 0.25 mL dosage, for intramuscular use	Procedure	CPT-4
90658	Influenza virus vaccine, trivalent (IIV3), split virus, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90659	Influenza virus vaccine, whole virus, for intramuscular or jet injection use	Procedure	CPT-4
90660	Influenza virus vaccine, trivalent, live (LAIV3), for intranasal use	Procedure	CPT-4
90661	Influenza virus vaccine, trivalent (ccIIV3), derived from cell cultures, subunit, preservative and antibiotic free, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
90662	Influenza virus vaccine (IIV), split virus, preservative free, enhanced immunogenicity via increased antigen content, for intramuscular use	Procedure	CPT-4
90663	Influenza virus vaccine, pandemic formulation, H1N1	Procedure	CPT-4
90664	Influenza virus vaccine, live (LAIV), pandemic formulation, for intranasal use	Procedure	CPT-4
90666	Influenza virus vaccine (IIV), pandemic formulation, split virus, preservative free, for intramuscular use	Procedure	CPT-4
90667	Influenza virus vaccine (IIV), pandemic formulation, split virus, adjuvanted, for intramuscular use	Procedure	CPT-4
90668	Influenza virus vaccine (IIV), pandemic formulation, split virus, for intramuscular use	Procedure	CPT-4
90672	Influenza virus vaccine, quadrivalent, live (LAIV4), for intranasal use	Procedure	CPT-4
90673	Influenza virus vaccine, trivalent (RIV3), derived from recombinant DNA, hemagglutinin (HA) protein only, preservative and antibiotic free, for intramuscular use	Procedure	CPT-4
90674	Influenza virus vaccine, quadrivalent (cclIV4), derived from cell cultures, subunit, preservative and antibiotic free, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90685	Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, 0.25 mL, for intramuscular use	Procedure	CPT-4
90686	Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90687	Influenza virus vaccine, quadrivalent (IIV4), split virus, 0.25 mL dosage, for intramuscular use	Procedure	CPT-4
90688	Influenza virus vaccine, quadrivalent (IIV4), split virus, 0.5 mL dosage, for intramuscular use	Procedure	CPT-4
90682	Influenza virus vaccine, quadrivalent (RIV4), derived from recombinant DNA, hemagglutinin (HA) protein only, preservative and antibiotic free, for intramuscular use	Procedure	CPT-4
90756	Influenza virus vaccine, quadrivalent (cclIV4), derived from cell cultures, subunit, antibiotic free, 0.5mL dosage, for intramuscular use	Procedure	CPT-4
Q2033	Influenza vaccine, recombinant hemagglutinin antigens, for intramuscular use (Flublok)	Procedure	HCPCS
Q2034	Influenza virus vaccine, split virus, for intramuscular use (Agriflu)	Procedure	HCPCS
Q2035	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (AFLURIA)	Procedure	HCPCS
Q2036	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (FLULAVAL)	Procedure	HCPCS
Q2037	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (FLUVIRIN)	Procedure	HCPCS
Q2038	Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (Fluzone)	Procedure	HCPCS
4037F	Influenza immunization ordered or administered (COPD, PV, CKD, ESRD)(IBD)	Procedure	CPT-2
4274F	Influenza immunization administered or previously received (HIV) (P-ESRD)	Procedure	CPT-2
G0008	Administration of influenza virus vaccine	Procedure	HCPCS
G8482	Influenza immunization administered or previously received	Procedure	HCPCS
G8636	Influenza immunization administered or previously received	Procedure	HCPCS
G9141	Influenza A (H1N1) immunization administration (includes the physician counseling the patient/family)	Procedure	HCPCS
G9142	Influenza A (H1N1) vaccine, any route of administration	Procedure	HCPCS

**Appendix G: 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), Current Procedural Terminology, Fourth Edition (CPT-4), and Healthcare Common Procedure Coding System (HCPCS) Codes Used to Define Baseline Characteristics in this Request**

Code	Description	Code	
		Category	Code Type
Q0034	Administration of influenza vaccine to Medicare beneficiaries by participating demonstration sites	Procedure	HCPCS
Q2039	Influenza virus vaccine, not otherwise specified	Procedure	HCPCS
<b>Pnemococcal Vaccination</b>			
90669	Pneumococcal conjugate vaccine, 7 valent (PCV7), for intramuscular use	Procedure	CPT-4
90732	Pneumococcal polysaccharide vaccine, 23-valent (PPSV23), adult or immunosuppressed patient dosage, when administered to individuals 2 years or older, for subcutaneous or intramuscular use	Procedure	CPT-4
90670	Pneumococcal conjugate vaccine, 13 valent (PCV13), for intramuscular use	Procedure	CPT-4
G0009	Administration of pneumococcal vaccine	Procedure	HCPCS
G8864	Pneumococcal vaccine administered or previously received	Procedure	HCPCS
4040F	Pneumococcal vaccine administered or previously received (COPD) (PV), (IBD)	Procedure	CPT-2

**Appendix H. Specifications Defining Parameters for this Request**

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

**Query period:** July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017  
**Coverage requirement:** Medical & Drug Coverage  
**Pre-index enrollment requirement:** 183 days  
**Post-index enrollment requirement:** 0 days  
**Stratifications:** Age, Sex, Year-Month  
**Enrollment gap:** 45 days  
**Age groups:** 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years  
**Envelope macro:** \*Off: Do not reclassify encounters during inpatient stay as inpatient  
**MFU Output:** Requested  
**Distribution of Index Output:** No

Scenario	Exposure					Inclusion/Exclusion				Outcome				
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
1	Influenza-like Illness (ILI) Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; Data Partner (DP) end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for National Drug Codes (NDCs) For procedure codes (PXs): Ambulatory visit; Other ambulatory visit; Emergency department;	None	0	---
2	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Hospitalization (Admission Date; Discharge Status = Alive, Expired, Unknown)	0	Inpatient
3	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Extracorporeal membrane oxygenation (ECMO)	0	Any
4	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Mechanical ventilation	0	Any

**Appendix H. Specifications Defining Parameters for this Request**

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

**Query period:** July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017  
**Coverage requirement:** Medical & Drug Coverage  
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**Stratifications:** Age, Sex, Year-Month  
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**Age groups:** 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years  
**Envelope macro:** \*Off: Do not reclassify encounters during inpatient stay as inpatient  
**MFU Output:** Requested  
**Distribution of Index Output:** No

Scenario	Exposure					Inclusion/Exclusion				Outcome				
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
5	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Supplemental oxygen	0	Any
6	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Bilevel Positive Airway Pressure (BiPAP)	0	Any
7	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Critical Care	0	Any
8	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Discharge from hospital alive (Admission Date; Discharge Status = Alive)	0	Inpatient
9	ILI Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Death	0	Any

**Appendix H. Specifications Defining Parameters for this Request**

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

**Query period:** July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017  
**Coverage requirement:** Medical & Drug Coverage  
**Pre-index enrollment requirement:** 183 days  
**Post-index enrollment requirement:** 0 days  
**Stratifications:** Age, Sex, Year-Month  
**Enrollment gap:** 45 days  
**Age groups:** 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years  
**Envelope macro:** \*Off: Do not reclassify encounters during inpatient stay as inpatient  
**MFU Output:** Requested  
**Distribution of Index Output:** No

Scenario	Exposure					Inclusion/Exclusion				Outcome				
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
10	Pneumonia & Influenza (P&I) Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	None	0	---
11	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Hospitalization (Admission Date; Discharge Status = Alive, Expired, Unknown)	0	Inpatient
12	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	ECMO	0	Any
13	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Mechanical ventilation	0	Any
14	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Supplemental oxygen	0	Any
15	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	BiPAP	0	Any

**Appendix H. Specifications Defining Parameters for this Request**

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

**Query period:** July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017  
**Coverage requirement:** Medical & Drug Coverage  
**Pre-index enrollment requirement:** 183 days  
**Post-index enrollment requirement:** 0 days  
**Stratifications:** Age, Sex, Year-Month  
**Enrollment gap:** 45 days  
**Age groups:** 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years  
**Envelope macro:** \*Off: Do not reclassify encounters during inpatient stay as inpatient  
**MFU Output:** Requested  
**Distribution of Index Output:** No

Scenario	Exposure					Inclusion/Exclusion				Outcome				
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
16	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Critical Care	0	Any
17	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Discharge from hospital alive (Admission Date; Discharge Status = Alive)	0	Inpatient
18	P&I Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Death	0	Any

**Appendix H. Specifications Defining Parameters for this Request**

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

**Query period:** July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017  
**Coverage requirement:** Medical & Drug Coverage  
**Pre-index enrollment requirement:** 183 days  
**Post-index enrollment requirement:** 0 days  
**Stratifications:** Age, Sex, Year-Month  
**Enrollment gap:** 45 days  
**Age groups:** 6 months-<5 years, 5-<18 years, 18-<50, 50-<65 years, 65+ years  
**Envelope macro:** \*Off: Do not reclassify encounters during inpatient stay as inpatient  
**MFU Output:** Requested  
**Distribution of Index Output:** No

Scenario	Exposure					Inclusion/Exclusion				Outcome				
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
19	Medically Attended Acute Respiratory Illness (MAARI) Definition #2	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	None	0	---
20	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Hospitalization (Admission Date; Discharge Status = Alive, Expired, Unknown)	0	Any
21	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	ECMO	0	Any
22	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Mechanical ventilation	0	Any
23	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Supplemental oxygen	0	Any
24	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	BiPAP	0	Any

**Appendix H. Specifications Defining Parameters for this Request**

This request examined "ordinal" endpoints related to influenza (i.e., select complications of influenza, of increasing severity) among one cohort: individuals diagnosed in the outpatient, ambulatory, or emergency department setting with influenza-like illness (ILI) in the Sentinel Distributed Database (SDD).

**Query period:** July 1, 2014 - June 30, 2015, July 1, 2015 - June 30, 2016, July 1, 2016 - June 30, 2017  
**Coverage requirement:** Medical & Drug Coverage  
**Pre-index enrollment requirement:** 183 days  
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**Stratifications:** Age, Sex, Year-Month  
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**Envelope macro:** \*Off: Do not reclassify encounters during inpatient stay as inpatient  
**MFU Output:** Requested  
**Distribution of Index Output:** No

Scenario	Exposure					Inclusion/Exclusion					Outcome			
	Index Exposure	Care setting	Washout Period	Incident with respect to:	Cohort definition	Exposure episode length	Truncation Criteria (in addition to occurrence of event)	Event	Type	Window	Care setting	Event	Event washout period	Care setting
25	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Critical Care	0	Any
26	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Discharge from hospital alive (Admission Date; Discharge Status = Alive)	0	Inpatient
27	MAARI Definition #2 Diagnosis	Ambulatory visit; Other ambulatory visit; Emergency department;	30 days	ILI Diagnosis, Definition 1	All valid exposure episodes during query period;	30	Disenrollment; DP end date; Query end date;	Treatment	Exclusion	(-10,-1)	N/A for NDCs For PXs: Ambulatory visit; Other ambulatory visit; Emergency department;	Death	0	Any

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

**Appendix I: Specifications Defining Parameters for Baseline Characteristics in this Request**

**Baseline Characteristics**

<b>Condition</b>	<b>Care Setting</b>	<b>Evaluation period start</b>	<b>Evaluation period end</b>
<b>User-Defined</b>			
Influenza Vaccination (season specific)	Any	0	0
Influenza Vaccination (season specific)	Any	-183	0
Flu Test	Any	-7	7
Asthma	Any	-183	0
Diabetes	Any	-183	0
Chronic obstructive pulmonary disease (COPD)	Any	-183	0
Obesity	Any	-183	0
Pneumococcal vaccination	Any	Entire History	0
<b>Automatic</b>			
Sex	---	---	---
Age	---	---	---
Race/ethnicity	---	---	---
Healthcare utilization	---	-183	0
Combined prior comorbidity score	---	-183	0

Appendix J: Diagram Detailing the Design of the Request

