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

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

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

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## Overview for Request cder\_mpl1r\_wp096

**Request ID:** cder\_mpl1r\_wp096\_nsdp\_v01

**Request Description:** The purpose of this study was to understand how biologics, their biosimilars and related drugs are coded for reimbursement, and therefore appear in claims data. This report contains estimates of utilization of medications of interest in Sentinel Distributed Database (SDD), distribution of their days supplied per dispensing and descriptive statistics for gaps between treatment episodes. This is report 2 of 2. Report 1 contains estimates of utilization of medications of interest in the SDD.

**Sentinel Modular Program Tool Used:** Cohort Identification and Descriptive Analysis (CIDA) tool, version 5.4.3.

**Data Source:** We used data from 17 Data Partners contributing to the SDD in this report. This request was distributed to the Data Partners on June 29, 2018 and includes data from January 1, 2015 to May 22, 2018. Please see Appendix A for a list of the dates of available data for each Data Partner.

**Study Design:** The request was designed to calculate summary statistics on dispensings and gaps between treatment episodes.

**Exposures of Interest:** The exposures of interest were the biologic Neupogen, its biosimilar Zarxio, and related drugs Granix and Neulasta; and the biologic Remicade and its biosimilars Inflectra and Renflexis. We defined these exposures using Level II Healthcare Common Procedure Coding System (HCPCS) and National Drug Codes (NDCs). Please see Appendix B for a list of procedure codes and Appendix C for non-proprietary and brand names of medical products used to define exposures in this request.

**Cohort Eligibility Criteria:** We required patients to be enrolled in plans with medical and drug coverage, with gaps in coverage of up to 45 days. Three separate cohorts were evaluated:

- a) patients with an exposure of interest identified using HCPCS, with no evidence of an NDC before or after the index exposure;
- b) patients with an exposure of interest identified using NDCs, with no evidence of a HCPCS code before or after the index exposure; and
- c) patients with an exposure of interest identified using either NDCs or HCPCS.

We included all valid episodes during the query period, starting from the first dispensing (index). Exposure episodes were included until the first occurrence of any of the following: 1) disenrollment; 2) death; or 3) the end of the query period. Patients of all ages were included in this study.

**Please see Appendix D for the specifications of parameters used in the analyses for this request.**

**Limitations:** Algorithms to define exposures are imperfect and, therefore, they may be misclassified. Data should be interpreted with this limitation in mind. We were unable to examine exposures to Inflectra and Renflexis by HCPCS codes specific to these medications due to them being procedure codes with modifiers (Q5102-ZB and Q5102-ZC respectively). Therefore, exposure to infliximab via Q5102 (Injection, infliximab, biosimilar, 10 mg) without modifiers was reported instead.

**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-routinequerying-tool-documentation/browse>).

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

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

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

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

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

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

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

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

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

**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.

**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.

**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. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites		
	Number	Percent
Total Dispensings	222,144	100
<b>Days Supply Categories<sup>1</sup></b>		
0-1	222,144	100

<sup>1</sup> HCPCS codes are assigned a days supply of 1 by default in the Sentinel Distributed Database



**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	134,387	100.0	80.1	170.6	0	5	13	50	1,176
<b>Gap Number*</b>									
1	18,917	14.1	25.1	50.1	1	4	12	26	941
2	12,441	9.3	22.1	43.4	1	5	12	24	854
3	9,189	6.8	18.8	38.8	1	4	11	20	852
4	7,082	5.3	17.5	35.7	1	4	9	20	752
5	5,720	4.3	15.8	33.5	1	4	7	17	699
6	4,653	3.5	15.1	28.7	1	4	7	16	585
7	3,899	2.9	13.7	27.7	1	3	6	14	686
8	3,303	2.5	13.7	32.4	1	3	6	13	758
9	2,846	2.1	12.3	23.6	1	3	6	13	586
10	2,454	1.8	12.5	26.0	1	3	6	13	566
11	2,158	1.6	12.3	34.4	1	3	6	13	861
12	1,869	1.4	12.1	31.4	1	3	6	13	572
13	1,637	1.2	11.0	23.3	1	3	6	12	424
14	1,452	1.1	9.8	15.2	1	3	6	12	212
15	1,267	0.9	11.2	30.2	1	3	6	12	773
16	1,145	0.9	11.3	34.1	1	3	6	12	739
17	1,024	0.8	10.7	28.0	1	3	6	11	504
18	933	0.7	10.5	33.4	1	2	6	11	775
19	843	0.6	9.7	21.4	1	2	6	11	429
20	778	0.6	10.0	22.3	1	3	6	11	474
21	722	0.5	8.8	17.1	1	3	6	10	302
22	657	0.5	10.8	30.9	1	3	6	9	466
23	601	0.4	8.2	9.9	1	3	6	10	77
24	558	0.4	8.4	13.7	1	2	6	9	194
25	520	0.4	8.5	16.6	1	2	6	9	299

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	482	0.4	9.9	21.7	1	3	6	10	345
27	454	0.3	8.1	13.9	1	2	6	7	202
28	427	0.3	9.0	26.2	1	2	6	8	503
29	399	0.3	7.6	13.5	1	2	6	6	181
30	374	0.3	7.8	12.7	1	2	6	7	183
31	355	0.3	7.7	13.6	1	2	6	7	203
32	339	0.3	7.5	10.8	1	2	6	7	120
33	325	0.2	7.9	18.2	1	2	6	6	301
34	311	0.2	7.2	7.3	1	2	6	7	45
35	290	0.2	8.5	25.1	1	2	5	6	399
36	273	0.2	7.6	13.7	1	2	6	7	193
37	259	0.2	6.4	7.3	1	2	6	6	73
38	250	0.2	7.6	16.4	1	2	6	6	228
39	234	0.2	7.2	14.1	1	2	6	6	193
40	222	0.2	6.6	9.0	1	2	5	6	82
41	209	0.2	6.4	8.7	1	2	5	6	93
42	200	0.1	11.6	47.5	1	2	6	6	439
43	192	0.1	6.4	12.3	1	2	5	6	121
44	187	0.1	6.4	8.2	1	2	5	6	67
45	180	0.1	5.8	6.9	1	2	4	6	51
46	175	0.1	5.1	5.0	1	2	4	6	48
47	173	0.1	6.1	8.0	1	2	4	6	69
48	162	0.1	5.7	9.5	1	2	4	6	82
49	154	0.1	6.7	16.6	1	2	4	6	202
50	148	0.1	7.1	24.3	1	2	4	6	295
51	137	0.1	4.8	4.8	1	2	3	6	34
52	129	0.1	4.7	5.5	1	2	3	6	42

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
53	122	0.1	5.3	6.0	1	2	4	6	48
54	121	0.1	4.6	5.5	1	2	3	6	45
55	117	0.1	4.5	4.1	1	2	3	6	28
56	116	0.1	4.1	2.8	1	2	3	6	13
57	111	0.1	4.4	3.3	1	2	3	6	20
58	108	0.1	4.1	3.7	1	2	3	6	20
59	104	0.1	4.4	3.8	1	2	3	6	25
60	100	0.1	4.0	4.2	1	2	3	6	34
61	97	0.1	4.1	3.8	1	2	3	6	26
62	95	0.1	4.3	3.9	1	2	3	6	27
63	95	0.1	4.4	3.9	1	2	3	6	31
64	93	0.1	3.6	2.4	1	2	3	6	13
65	91	0.1	3.8	2.9	1	2	3	6	13
66	90	0.1	4.0	2.8	1	2	3	6	13
67	85	0.1	5.2	8.8	1	2	3	6	64
68	85	0.1	4.0	3.1	1	2	3	6	18
69	83	0.1	3.7	2.7	1	2	3	6	16
70	81	0.1	4.6	7.7	1	2	3	6	70
71	81	0.1	4.7	5.1	1	2	3	6	41
72	79	0.1	4.4	3.6	1	2	3	6	23
73	75	0.1	3.6	2.8	1	2	3	6	14
74	74	0.1	3.9	2.7	1	2	3	6	13
75	74	0.1	4.1	3.4	1	2	3	6	20
76	73	0.1	4.1	3.7	1	2	3	6	27
77	71	0.1	4.5	4.3	1	2	3	6	31
78	71	0.1	4.1	4.5	1	2	2	6	32
79	70	0.1	4.2	4.3	1	2	3	6	30

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
80	70	0.1	5.7	7.7	1	2	3	6	41
81	67	0.0	3.8	3.7	1	2	3	6	27
82	67	0.0	3.9	3.3	1	2	3	6	20
83	67	0.0	4.0	4.5	1	2	3	6	34
84	67	0.0	4.3	3.7	1	2	3	6	21
85	67	0.0	5.0	6.8	1	2	3	6	54
86	65	0.0	4.0	3.3	1	2	2	6	15
87	63	0.0	4.6	5.2	1	2	3	6	38
88	61	0.0	4.1	4.6	1	2	3	6	34
89	61	0.0	3.9	3.2	1	2	3	6	19
90	60	0.0	3.5	2.1	1	2	3	6	9
91	59	0.0	3.8	2.9	1	2	3	6	20
92	56	0.0	3.9	3.6	1	2	3	6	17
93	55	0.0	6.3	16.9	1	2	4	6	127
94	53	0.0	3.6	2.7	1	2	3	6	13
95	51	0.0	4.5	5.6	1	2	3	6	37
96	50	0.0	3.4	2.3	1	2	3	6	11
97	48	0.0	3.7	4.1	1	1	3	6	27
98	47	0.0	3.4	2.5	1	2	3	6	14
99	46	0.0	4.4	4.5	1	2	3	6	23
100	46	0.0	4.0	3.3	1	2	3	6	17
101	45	0.0	5.0	8.3	1	2	3	6	56
102	44	0.0	3.5	2.8	1	2	3	6	13
103	41	0.0	3.6	2.7	1	1	3	6	11
104	40	0.0	4.5	5.5	1	2	3	6	35
105	38	0.0	3.4	2.0	1	2	3	6	7
106	37	0.0	3.9	2.7	1	2	3	6	12

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
107	37	0.0	4.2	3.2	1	2	3	6	15
108	37	0.0	3.4	2.0	1	2	3	6	7
109	37	0.0	4.5	3.8	1	2	3	6	19
110	35	0.0	3.9	2.5	1	2	3	6	13
111	34	0.0	5.8	8.7	1	2	3	6	48
112	34	0.0	5.0	4.1	1	2	3	6	20
113	31	0.0	4.9	5.5	1	2	3	6	30
114	29	0.0	5.2	5.6	1	2	4	6	31
115	28	0.0	4.5	5.7	1	2	3	6	30
116	28	0.0	6.5	10.8	1	2	3	6	55
117	28	0.0	5.1	6.5	1	2	3	6	31
118	27	0.0	5.4	6.5	1	2	3	6	30
119	26	0.0	4.8	5.9	1	2	3	6	31
120	26	0.0	5.1	5.7	1	2	3	6	27
121	23	0.0	3.8	2.9	1	2	3	6	13
122	23	0.0	5.3	5.8	1	2	3	6	26
123	22	0.0	4.0	3.1	1	2	4	6	14
124	21	0.0	3.8	2.8	1	2	3	6	12
125	21	0.0	3.8	3.7	1	1	2	6	13
126	20	0.0	4.7	4.5	1	2	4	6	20
127	19	0.0	3.8	3.0	1	2	2	6	13
128	17	0.0	3.5	1.9	1	2	3	6	7
129	17	0.0	3.7	2.8	1	2	2	5	12
130	17	0.0	3.5	2.0	1	2	3	4	7
131	17	0.0	5.9	7.7	1	2	3	6	32
132	16	0.0	3.8	2.4	1	2	3	6	8
133	15	0.0	3.5	2.0	1	2	3	4	7

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
134	15	0.0	3.1	2.1	1	2	2	6	7
135	14	0.0	6.4	10.4	1	2	4	6	42
136	14	0.0	6.5	13.0	1	2	2	6	51
137	13	0.0	3.3	2.1	1	2	3	5	7
138	13	0.0	2.9	1.8	1	2	2	3	6
139	12	0.0	3.7	2.5	1	2	3	6	9
140	12	0.0	3.3	2.1	1	2	3	6	6
141	11	0.0	3.5	1.9	1	2	3	5	7
142	*****	*****	2.6	1.6	1	1	3	3	6
143	*****	*****	2.6	1.5	1	2	2	3	6
144	*****	*****	2.8	1.7	1	2	2	3	6
145	*****	*****	3.4	2.4	1	1	3	6	7
146	*****	*****	2.8	2.1	1	1	2	4	6
147	*****	*****	3.3	1.9	1	2	3	5	6
148	*****	*****	3.3	1.8	1	2	3	5	6
149	*****	*****	4.9	6.3	1	2	3	5	20
150	*****	*****	4.1	3.8	1	2	4	4	13
151	*****	*****	2.9	1.8	1	1	3	4	6
152	*****	*****	3.3	2.3	1	2	2	6	6
153	*****	*****	2.8	1.8	1	1	3	4	6
154	*****	*****	2.9	1.8	1	2	3	4	6
155	*****	*****	4.8	6.5	1	2	2	5	20
156	*****	*****	4.1	4.9	1	1	2	7	13
157	*****	*****	3.4	3.9	1	2	2	3	13
158	*****	*****	3.6	4.0	1	1	3	4	13
159	*****	*****	5.6	4.5	1	2	5	9	13
160	*****	*****	3.5	4.2	1	1	2	4	13

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
161	*****	*****	5.3	8.8	1	2	2	4	27
162	*****	*****	3.5	4.2	1	1	2	5	13
163	*****	*****	3.1	4.1	1	1	2	3	13
164	*****	*****	9.6	21.2	1	2	3	3	62
165	*****	*****	2.5	1.5	1	2	2	3	6
166	*****	*****	3.4	3.9	1	1	2	5	12
167	*****	*****	4.6	6.0	1	2	3	5	19
168	*****	*****	2.3	1.8	1	1	2	3	6
169	*****	*****	3.7	1.4	2	3	4	4	6
170	*****	*****	2.7	2.1	1	1	2	4	6
171	*****	*****	3.3	1.8	1	2	4	4	6
172	*****	*****	4.3	4.6	1	1	3	6	13
173	*****	*****	2.8	1.9	1	1	3	4	6
174	*****	*****	3.0	2.1	1	1	3	4	6
175	*****	*****	2.8	1.1	1	3	3	3	4
176	*****	*****	2.0	1.2	1	1	2	2	4
177	*****	*****	3.6	2.2	1	3	3	4	7
178	*****	*****	2.6	1.8	1	1	2	4	5
179	*****	*****	4.4	2.1	3	3	4	4	8
180	*****	*****	1.3	0.5	1	1	1	2	2
181	*****	*****	3.3	1.0	2	3	4	4	4
182	*****	*****	6.0	6.2	1	2	4	10	15
183	*****	*****	2.5	1.3	1	2	3	4	4
184	*****	*****	2.3	1.0	1	2	3	3	3
185	*****	*****	2.5	1.7	1	2	2	4	5
186	*****	*****	2.5	1.3	1	2	3	4	4
187	*****	*****	1.5	1.0	1	1	1	2	3

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
188	*****	*****	3.3	1.0	2	3	4	4	4
189	*****	*****	1.5	1.0	1	1	1	2	3
190	*****	*****	2.8	1.0	2	2	3	4	4
191	*****	*****	1.5	1.0	1	1	1	2	3
192	*****	*****	2.5	1.3	1	2	3	4	4
193	*****	*****	2.3	1.5	1	1	2	4	4
194	*****	*****	2.8	1.7	1	2	3	4	5
195	*****	*****	1.8	1.0	1	1	2	3	3
196	*****	*****	2.0	0.8	1	2	2	3	3
197	*****	*****	3.0	2.4	1	1	3	5	6
198	*****	*****	2.0	1.2	1	1	2	3	3
199	*****	*****	1.5	0.6	1	1	2	2	2
200	*****	*****	2.3	1.0	1	2	3	3	3
201	*****	*****	2.3	2.5	1	1	1	4	6
202	*****	*****	2.0	0.8	1	2	2	3	3
203	*****	*****	1.8	1.0	1	1	2	3	3
204	*****	*****	1.8	1.0	1	1	2	3	3
205	*****	*****	1.8	1.0	1	1	2	3	3
206	*****	*****	2.0	0.8	1	2	2	3	3
207	*****	*****	1.5	1.0	1	1	1	2	3
208	*****	*****	2.0	0.8	1	2	2	3	3
209	*****	*****	1.8	1.0	1	1	2	3	3
210	*****	*****	1.8	1.0	1	1	2	3	3
211	*****	*****	1.8	1.0	1	1	2	3	3
212	*****	*****	2.5	1.3	1	2	3	4	4
213	*****	*****	1.5	1.0	1	1	1	2	3
214	*****	*****	2.3	0.5	2	2	2	3	3



**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
215	*****	*****	1.5	1.0	1	1	1	2	3
216	*****	*****	1.8	1.0	1	1	2	3	3
217	*****	*****	2.0	0.8	1	2	2	3	3
218	*****	*****	1.8	1.0	1	1	2	3	3
219	*****	*****	1.5	1.0	1	1	1	2	3
220	*****	*****	2.5	0.6	2	2	3	3	3
221	*****	*****	1.5	1.0	1	1	1	2	3
222	*****	*****	2.0	0.8	1	2	2	3	3
223	*****	*****	1.8	1.0	1	1	2	3	3
224	*****	*****	2.0	1.2	1	1	2	3	3
225	*****	*****	1.5	0.6	1	1	2	2	2
226	*****	*****	2.5	0.6	2	2	3	3	3
227	*****	*****	1.8	1.0	1	1	2	3	3
228	*****	*****	1.8	1.0	1	1	2	3	3
229	*****	*****	1.8	1.0	1	1	2	3	3
230	*****	*****	2.0	0.8	1	2	2	3	3
231	*****	*****	1.5	1.0	1	1	1	2	3
232	*****	*****	2.0	0.8	1	2	2	3	3
233	*****	*****	1.8	1.0	1	1	2	3	3
234	*****	*****	1.8	1.0	1	1	2	3	3
235	*****	*****	1.8	1.0	1	1	2	3	3
236	*****	*****	2.0	0.8	1	2	2	3	3
237	*****	*****	1.5	1.0	1	1	1	2	3
238	*****	*****	2.0	0.8	1	2	2	3	3
239	*****	*****	1.8	1.0	1	1	2	3	3
240	*****	*****	2.3	1.0	1	2	3	3	3
241	*****	*****	2.0	0.8	1	2	2	3	3

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
242	*****	*****	2.3	1.0	1	2	3	3	3
243	*****	*****	1.8	1.0	1	1	2	3	3
244	*****	*****	2.0	1.0	1	1	2	3	3
245	*****	*****	3.0	2.6	1	1	2	6	6
246	*****	*****	1.3	0.6	1	1	1	2	2
247	*****	*****	2.3	0.6	2	2	2	3	3
248	*****	*****	2.3	1.2	1	1	3	3	3
249	*****	*****	1.7	0.6	1	1	2	2	2
250	*****	*****	2.3	0.6	2	2	2	3	3
251	*****	*****	2.0	1.0	1	1	2	3	3
252	*****	*****	1.7	1.2	1	1	1	3	3
253	*****	*****	3.3	2.3	2	2	2	6	6
254	*****	*****	1.5	0.7	1	1	2	2	2
255	*****	*****	2.0	1.4	1	1	2	3	3
256	*****	*****	2.0	0.0	2	2	2	2	2
257	*****	*****	*****	*****	*****	*****	*****	*****	*****
258	*****	*****	*****	*****	*****	*****	*****	*****	*****
259	*****	*****	*****	*****	*****	*****	*****	*****	*****
260	*****	*****	*****	*****	*****	*****	*****	*****	*****
261	*****	*****	*****	*****	*****	*****	*****	*****	*****
262	*****	*****	*****	*****	*****	*****	*****	*****	*****
263	*****	*****	*****	*****	*****	*****	*****	*****	*****
264	*****	*****	*****	*****	*****	*****	*****	*****	*****
265	*****	*****	*****	*****	*****	*****	*****	*****	*****
266	*****	*****	*****	*****	*****	*****	*****	*****	*****
267	*****	*****	*****	*****	*****	*****	*****	*****	*****
268	*****	*****	*****	*****	*****	*****	*****	*****	*****

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
269	*****	*****	*****	*****	*****	*****	*****	*****	*****
270	*****	*****	*****	*****	*****	*****	*****	*****	*****
271	*****	*****	*****	*****	*****	*****	*****	*****	*****
272	*****	*****	*****	*****	*****	*****	*****	*****	*****
273	*****	*****	*****	*****	*****	*****	*****	*****	*****
274	*****	*****	*****	*****	*****	*****	*****	*****	*****
275	*****	*****	*****	*****	*****	*****	*****	*****	*****
276	*****	*****	*****	*****	*****	*****	*****	*****	*****
277	*****	*****	*****	*****	*****	*****	*****	*****	*****
278	*****	*****	*****	*****	*****	*****	*****	*****	*****
279	*****	*****	*****	*****	*****	*****	*****	*****	*****
280	*****	*****	*****	*****	*****	*****	*****	*****	*****
281	*****	*****	*****	*****	*****	*****	*****	*****	*****
282	*****	*****	*****	*****	*****	*****	*****	*****	*****
283	*****	*****	*****	*****	*****	*****	*****	*****	*****
284	*****	*****	*****	*****	*****	*****	*****	*****	*****
285	*****	*****	*****	*****	*****	*****	*****	*****	*****
286	*****	*****	*****	*****	*****	*****	*****	*****	*****
287	*****	*****	*****	*****	*****	*****	*****	*****	*****
288	*****	*****	*****	*****	*****	*****	*****	*****	*****
289	*****	*****	*****	*****	*****	*****	*****	*****	*****
290	*****	*****	*****	*****	*****	*****	*****	*****	*****
291	*****	*****	*****	*****	*****	*****	*****	*****	*****
292	*****	*****	*****	*****	*****	*****	*****	*****	*****
293	*****	*****	*****	*****	*****	*****	*****	*****	*****
294	*****	*****	*****	*****	*****	*****	*****	*****	*****
295	*****	*****	*****	*****	*****	*****	*****	*****	*****

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
296	*****	*****	*****	*****	*****	*****	*****	*****	*****
297	*****	*****	*****	*****	*****	*****	*****	*****	*****
298	*****	*****	*****	*****	*****	*****	*****	*****	*****
299	*****	*****	*****	*****	*****	*****	*****	*****	*****
300	*****	*****	*****	*****	*****	*****	*****	*****	*****
301	*****	*****	*****	*****	*****	*****	*****	*****	*****
302	*****	*****	*****	*****	*****	*****	*****	*****	*****
303	*****	*****	*****	*****	*****	*****	*****	*****	*****
304	*****	*****	*****	*****	*****	*****	*****	*****	*****
305	*****	*****	*****	*****	*****	*****	*****	*****	*****
306	*****	*****	*****	*****	*****	*****	*****	*****	*****
307	*****	*****	*****	*****	*****	*****	*****	*****	*****
308	*****	*****	*****	*****	*****	*****	*****	*****	*****
309	*****	*****	*****	*****	*****	*****	*****	*****	*****
310	*****	*****	*****	*****	*****	*****	*****	*****	*****
311	*****	*****	*****	*****	*****	*****	*****	*****	*****
312	*****	*****	*****	*****	*****	*****	*****	*****	*****
313	*****	*****	*****	*****	*****	*****	*****	*****	*****
314	*****	*****	*****	*****	*****	*****	*****	*****	*****
315	*****	*****	*****	*****	*****	*****	*****	*****	*****
316	*****	*****	*****	*****	*****	*****	*****	*****	*****
317	*****	*****	*****	*****	*****	*****	*****	*****	*****
318	*****	*****	*****	*****	*****	*****	*****	*****	*****
319	*****	*****	*****	*****	*****	*****	*****	*****	*****
320	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	35,320	26.3	259.0	252.2	0	67	178	349	1,176

**Table 1b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 2a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using National Drug Codes (NDCs) only)**

All Sites		
	Number	Percent
Total Dispensings	37,483	100
<b>Days Supply Categories</b>		
0-1	792	2.1
2-30	36,144	96.4
31-60	357	1.0
61-90	*****	*****
91+	*****	*****

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

**Table 2b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	30,161	100.0	154.7	259.0	0	10	23	165	1166
<b>Gap Number*</b>									
1	6,316	20.9	26.3	45.4	1	7	15	25	805
2	3,979	13.2	23.7	37.2	1	8	15	23	647
3	2,606	8.6	22.5	37.6	1	7	15	22	611
4	1,538	5.1	23.9	40.2	1	9	15	23	696
5	1,013	3.4	21.0	28.5	1	8	14	22	383
6	588	1.9	21.5	33.9	1	7	12	22	449
7	367	1.2	17.9	20.9	1	7	13	21	210
8	253	0.8	16.3	19.4	1	6	12	20	183
9	193	0.6	19.8	48.3	1	5	10	19	565
10	130	0.4	16.1	19.0	1	5	11	21	173
11	97	0.3	20.0	21.7	1	7	16	24	171
12	69	0.2	18.2	20.0	1	6	12	19	91
13	50	0.2	20.9	28.5	1	5	11	21	149
14	38	0.1	15.3	19.8	1	4	10	17	91
15	33	0.1	15.5	20.4	1	5	11	17	115
16	23	0.1	12.8	12.1	1	4	8	14	43
17	16	0.1	11.9	12.0	1	4	6	16	42
18	12	0.0	21.9	22.0	2	9	15	32	82
19	*****	*****	14.8	14.0	1	4	9	28	42
20	*****	*****	18.0	23.5	2	3	11	17	70
21	*****	*****	18.2	25.2	5	5	7	11	63
22	*****	*****	6.0	4.4	3	3	4	11	11
23	*****	*****	6.0	2.8	4	4	6	8	8
24	*****	*****	4.0	1.4	3	3	4	5	5
25	*****	*****	6.0	1.4	5	5	6	7	7

**Table 2b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	*****	*****	4.5	2.1	3	3	5	6	6
27	*****	*****	*****	*****	*****	*****	*****	*****	*****
28	*****	*****	*****	*****	*****	*****	*****	*****	*****
29	*****	*****	*****	*****	*****	*****	*****	*****	*****
30	*****	*****	*****	*****	*****	*****	*****	*****	*****
31	*****	*****	*****	*****	*****	*****	*****	*****	*****
32	*****	*****	*****	*****	*****	*****	*****	*****	*****
33	*****	*****	*****	*****	*****	*****	*****	*****	*****
34	*****	*****	*****	*****	*****	*****	*****	*****	*****
35	*****	*****	*****	*****	*****	*****	*****	*****	*****
36	*****	*****	*****	*****	*****	*****	*****	*****	*****
37	*****	*****	*****	*****	*****	*****	*****	*****	*****
38	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	12,795	42.4	332.3	318.0	0	61	216	596	1166

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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



**Table 3a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites		
	Number	Percent
Total Dispensings <sup>1</sup>	292,428	100
<b>Days Supply Categories</b>		
0-1	245,381	83.9
2-30	46,361	15.9
31-60	450	0.2
61-90	*****	*****
91+	*****	*****

<sup>1</sup> Cohorts required exposures defined by HCPCS had no evidence of a prior exposure NDC, and vice-versa. Therefore, total dispensings will not be equal to the sum of HCPCS-only and NDC-only dispensings.

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

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	184,152	100.0	92.1	190.2	0	5	14	62	1,176
<b>Gap Number*</b>									
1	28,647	15.6	26.4	52.1	1	5	13	26	941
2	18,741	10.2	23.6	46.8	1	6	13	24	900
3	13,470	7.3	20.4	41.1	1	5	12	21	852
4	9,855	5.4	19.5	39.6	1	5	11	20	752
5	7,647	4.2	17.2	34.6	1	4	9	18	699
6	5,946	3.2	16.4	30.7	1	4	8	18	585
7	4,800	2.6	14.6	29.0	1	4	6	16	686
8	3,989	2.2	14.1	31.7	1	4	6	14	758
9	3,397	1.8	13.7	30.8	1	3	6	14	740
10	2,880	1.6	13.3	27.2	1	3	6	13	566
11	2,512	1.4	12.9	33.3	1	3	6	13	861
12	2,158	1.2	12.4	30.3	1	3	6	13	572
13	1,878	1.0	12.0	27.3	1	3	6	12	537
14	1,648	0.9	10.8	22.4	1	3	6	12	525
15	1,438	0.8	11.9	31.5	1	3	6	13	773
16	1,288	0.7	11.5	32.8	1	3	6	12	739
17	1,144	0.6	11.1	28.3	1	3	6	11	504
18	1,039	0.6	10.9	33.1	1	2	6	12	775
19	941	0.5	10.4	28.8	1	2	6	11	622
20	866	0.5	10.1	22.3	1	3	6	12	474
21	800	0.4	8.7	16.5	1	3	6	10	302
22	730	0.4	10.9	30.0	1	3	6	9	466
23	669	0.4	8.3	9.9	1	3	6	10	77
24	620	0.3	8.5	13.8	1	2	6	9	194
25	577	0.3	8.4	16.0	1	2	6	9	299

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	536	0.3	10.4	25.2	1	3	6	9	345
27	506	0.3	8.2	14.8	1	2	6	7	202
28	477	0.3	8.9	25.1	1	2	6	8	503
29	445	0.2	7.5	13.5	1	2	6	6	181
30	418	0.2	8.4	17.2	1	2	6	7	228
31	397	0.2	7.6	13.0	1	2	6	6	203
32	380	0.2	7.6	11.2	1	2	6	7	120
33	364	0.2	7.8	17.3	1	2	6	6	301
34	349	0.2	7.3	8.0	1	3	6	7	75
35	327	0.2	9.3	30.3	1	2	5	7	399
36	309	0.2	8.2	19.1	1	2	6	7	253
37	292	0.2	6.5	7.3	1	2	6	6	73
38	282	0.2	7.4	15.6	1	2	6	6	228
39	265	0.1	6.9	13.4	1	2	5	6	193
40	253	0.1	6.5	8.5	1	2	6	6	82
41	237	0.1	6.3	8.3	1	2	5	6	93
42	227	0.1	10.7	44.6	1	2	5	6	439
43	218	0.1	6.3	11.7	1	2	5	6	121
44	213	0.1	6.5	8.4	1	2	5	6	67
45	206	0.1	6.4	12.6	1	2	4	6	159
46	200	0.1	6.1	13.2	1	2	4	6	174
47	195	0.1	6.2	8.1	1	2	4	6	69
48	184	0.1	5.5	8.9	1	2	4	6	82
49	175	0.1	6.3	15.6	1	2	4	6	202
50	169	0.1	6.9	22.8	1	2	4	6	295
51	158	0.1	4.8	4.6	1	2	3	6	34
52	147	0.1	4.7	5.3	1	2	3	6	42

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
53	140	0.1	5.2	5.8	1	2	4	6	48
54	138	0.1	4.7	5.4	1	2	3	6	45
55	133	0.1	4.5	3.9	1	2	3	6	28
56	132	0.1	4.2	2.9	1	2	3	6	13
57	127	0.1	4.4	3.3	1	2	3	6	20
58	124	0.1	4.2	3.6	1	2	3	6	20
59	120	0.1	4.4	3.7	1	2	3	6	25
60	116	0.1	4.0	4.1	1	2	3	6	34
61	112	0.1	4.3	3.8	1	2	3	6	26
62	110	0.1	4.3	3.8	1	2	3	6	27
63	109	0.1	4.3	3.8	1	2	3	6	31
64	107	0.1	3.6	2.3	1	2	3	6	13
65	105	0.1	3.9	2.9	1	2	3	6	13
66	104	0.1	5.5	17.4	1	2	3	6	179
67	99	0.1	5.3	8.4	1	2	3	6	64
68	99	0.1	3.9	3.0	1	2	3	6	18
69	97	0.1	3.7	2.7	1	2	3	6	16
70	95	0.1	4.6	7.4	1	2	3	6	70
71	95	0.1	4.6	4.8	1	2	3	6	41
72	92	0.0	4.6	4.1	1	2	3	6	26
73	88	0.0	3.8	3.2	1	2	3	6	19
74	87	0.0	4.1	3.4	1	2	3	6	20
75	87	0.0	4.0	3.2	1	2	3	6	20
76	86	0.0	4.0	3.5	1	2	3	6	27
77	83	0.0	4.4	4.2	1	2	3	6	31
78	83	0.0	4.1	4.2	1	2	3	6	32
79	82	0.0	4.1	4.0	1	2	3	6	30

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
80	82	0.0	5.6	7.3	1	2	3	6	41
81	79	0.0	3.6	3.5	1	2	3	6	27
82	78	0.0	3.8	3.1	1	2	3	6	20
83	78	0.0	4.0	4.2	1	2	3	6	34
84	78	0.0	4.4	3.9	1	2	3	6	21
85	77	0.0	4.8	6.4	1	2	3	6	54
86	75	0.0	4.2	3.6	1	2	3	6	19
87	72	0.0	4.5	4.9	1	2	3	6	38
88	70	0.0	4.1	4.3	1	2	3	6	34
89	70	0.0	3.8	3.1	1	2	3	6	19
90	69	0.0	3.5	2.3	1	2	3	6	11
91	67	0.0	3.8	2.9	1	2	3	6	20
92	64	0.0	4.4	5.3	1	2	3	6	36
93	63	0.0	6.0	15.8	1	2	4	6	127
94	60	0.0	3.6	2.7	1	2	3	6	13
95	58	0.0	4.4	5.2	1	2	3	6	37
96	57	0.0	3.4	2.2	1	2	3	6	11
97	55	0.0	3.9	4.2	1	1	3	6	27
98	54	0.0	3.6	2.8	1	2	3	6	14
99	53	0.0	4.4	4.3	1	2	3	6	23
100	53	0.0	5.0	8.6	1	2	3	6	61
101	51	0.0	5.0	7.8	1	2	3	6	56
102	50	0.0	3.5	2.7	1	2	3	5	13
103	46	0.0	4.5	7.1	1	2	3	6	48
104	45	0.0	4.9	6.2	1	2	3	6	35
105	43	0.0	3.8	4.1	1	2	2	6	27
106	42	0.0	4.0	2.6	1	2	3	6	12

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
107	42	0.0	4.1	3.0	1	2	3	6	15
108	42	0.0	3.8	3.2	1	2	3	6	20
109	42	0.0	4.6	4.0	1	2	3	6	19
110	40	0.0	10.7	37.2	1	2	3	6	236
111	39	0.0	6.9	10.7	1	2	3	6	48
112	37	0.0	4.8	4.0	1	2	3	6	20
113	34	0.0	4.6	5.3	1	2	3	6	30
114	32	0.0	5.1	5.4	1	2	4	6	31
115	31	0.0	4.6	5.5	1	2	3	6	30
116	31	0.0	6.2	10.3	1	2	3	6	55
117	31	0.0	5.0	6.2	1	2	3	6	31
118	30	0.0	5.5	6.3	1	2	3	6	30
119	29	0.0	4.7	5.6	1	2	3	6	31
120	29	0.0	4.9	5.4	1	2	3	6	27
121	26	0.0	4.3	4.1	1	2	3	6	19
122	26	0.0	5.1	5.5	1	2	3	6	26
123	25	0.0	4.0	3.0	1	2	4	6	14
124	24	0.0	3.9	2.7	1	2	4	6	12
125	24	0.0	3.7	3.5	1	1	2	6	13
126	23	0.0	4.6	4.3	1	2	4	6	20
127	22	0.0	3.8	2.8	1	2	3	6	13
128	20	0.0	3.6	2.0	1	2	3	6	7
129	20	0.0	3.6	2.8	1	2	2	6	12
130	20	0.0	3.5	1.9	1	2	3	5	7
131	20	0.0	5.4	7.2	1	2	3	6	32
132	19	0.0	3.6	2.3	1	2	3	6	8
133	17	0.0	3.5	2.0	1	2	3	4	7

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
134	17	0.0	3.1	2.2	1	2	2	6	7
135	16	0.0	6.0	9.8	1	2	4	6	42
136	16	0.0	6.2	12.2	1	2	2	6	51
137	15	0.0	3.3	2.1	1	1	3	6	7
138	14	0.0	2.8	1.8	1	2	2	3	6
139	13	0.0	3.5	2.4	1	2	3	6	9
140	13	0.0	3.1	2.1	1	1	2	6	6
141	12	0.0	3.3	1.9	1	2	3	5	7
142	11	0.0	2.5	1.5	1	1	2	3	6
143	*****	*****	2.4	1.5	1	1	2	3	6
144	*****	*****	2.9	1.7	1	2	3	4	6
145	*****	*****	3.2	2.4	1	1	3	6	7
146	*****	*****	2.9	2.0	1	1	3	4	6
147	*****	*****	3.0	1.9	1	2	2	4	6
148	*****	*****	3.0	1.8	1	1	3	4	6
149	*****	*****	4.6	6.0	1	2	2	4	20
150	*****	*****	3.8	3.7	1	2	3	4	13
151	*****	*****	2.7	1.8	1	1	3	4	6
152	*****	*****	3.3	2.2	1	2	2	6	6
153	*****	*****	2.6	1.8	1	1	2	4	6
154	*****	*****	3.0	1.7	1	2	3	4	6
155	*****	*****	4.3	6.2	1	1	2	3	20
156	*****	*****	4.1	4.6	1	1	2	4	13
157	*****	*****	3.1	3.8	1	2	2	2	13
158	*****	*****	3.4	3.8	1	1	2	3	13
159	*****	*****	5.1	4.5	1	1	3	7	13
160	*****	*****	3.2	4.0	1	1	2	2	13

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
161	*****	*****	5.1	8.3	1	2	2	4	27
162	*****	*****	3.2	4.0	1	1	1	3	13
163	*****	*****	3.0	3.8	1	1	2	2	13
164	*****	*****	8.7	20.0	1	1	2	3	62
165	*****	*****	2.3	1.5	1	2	2	2	6
166	*****	*****	3.2	3.7	1	1	2	3	12
167	*****	*****	4.2	5.8	1	1	2	3	19
168	*****	*****	2.1	1.7	1	1	2	3	6
169	*****	*****	3.4	1.4	2	2	3	4	6
170	*****	*****	2.4	2.0	1	1	1	4	6
171	*****	*****	3.0	1.8	1	1	3	4	6
172	*****	*****	4.0	4.3	1	1	2	6	13
173	*****	*****	2.6	1.9	1	1	2	4	6
174	*****	*****	2.7	2.1	1	1	2	4	6
175	*****	*****	2.7	1.0	1	2	3	3	4
176	*****	*****	1.8	1.2	1	1	2	2	4
177	*****	*****	3.3	2.1	1	2	3	4	7
178	*****	*****	2.7	1.6	1	1	3	4	5
179	*****	*****	4.0	2.1	2	3	4	4	8
180	*****	*****	2.8	3.5	1	1	1	2	9
181	*****	*****	3.0	1.0	2	2	3	4	4
182	*****	*****	5.4	5.5	1	3	3	5	15
183	*****	*****	3.8	3.1	1	2	3	4	9
184	*****	*****	46.4	98.7	1	2	3	3	223
185	*****	*****	2.5	1.7	1	2	2	4	5
186	*****	*****	2.5	1.3	1	2	3	4	4
187	*****	*****	1.5	1.0	1	1	1	2	3



**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
188	*****	*****	3.3	1.0	2	3	4	4	4
189	*****	*****	1.5	1.0	1	1	1	2	3
190	*****	*****	2.8	1.0	2	2	3	4	4
191	*****	*****	1.5	1.0	1	1	1	2	3
192	*****	*****	2.5	1.3	1	2	3	4	4
193	*****	*****	2.3	1.5	1	1	2	4	4
194	*****	*****	2.8	1.7	1	2	3	4	5
195	*****	*****	1.8	1.0	1	1	2	3	3
196	*****	*****	2.0	0.8	1	2	2	3	3
197	*****	*****	3.0	2.4	1	1	3	5	6
198	*****	*****	2.0	1.2	1	1	2	3	3
199	*****	*****	1.5	0.6	1	1	2	2	2
200	*****	*****	2.3	1.0	1	2	3	3	3
201	*****	*****	2.3	2.5	1	1	1	4	6
202	*****	*****	2.0	0.8	1	2	2	3	3
203	*****	*****	1.8	1.0	1	1	2	3	3
204	*****	*****	1.8	1.0	1	1	2	3	3
205	*****	*****	1.8	1.0	1	1	2	3	3
206	*****	*****	2.0	0.8	1	2	2	3	3
207	*****	*****	1.5	1.0	1	1	1	2	3
208	*****	*****	2.0	0.8	1	2	2	3	3
209	*****	*****	1.8	1.0	1	1	2	3	3
210	*****	*****	1.8	1.0	1	1	2	3	3
211	*****	*****	1.8	1.0	1	1	2	3	3
212	*****	*****	2.5	1.3	1	2	3	4	4
213	*****	*****	1.5	1.0	1	1	1	2	3
214	*****	*****	2.3	0.5	2	2	2	3	3

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
215	*****	*****	1.5	1.0	1	1	1	2	3
216	*****	*****	1.8	1.0	1	1	2	3	3
217	*****	*****	2.0	0.8	1	2	2	3	3
218	*****	*****	1.8	1.0	1	1	2	3	3
219	*****	*****	1.5	1.0	1	1	1	2	3
220	*****	*****	2.5	0.6	2	2	3	3	3
221	*****	*****	1.5	1.0	1	1	1	2	3
222	*****	*****	2.0	0.8	1	2	2	3	3
223	*****	*****	1.8	1.0	1	1	2	3	3
224	*****	*****	2.0	1.2	1	1	2	3	3
225	*****	*****	1.5	0.6	1	1	2	2	2
226	*****	*****	2.5	0.6	2	2	3	3	3
227	*****	*****	1.8	1.0	1	1	2	3	3
228	*****	*****	1.8	1.0	1	1	2	3	3
229	*****	*****	1.8	1.0	1	1	2	3	3
230	*****	*****	2.0	0.8	1	2	2	3	3
231	*****	*****	1.5	1.0	1	1	1	2	3
232	*****	*****	2.0	0.8	1	2	2	3	3
233	*****	*****	1.8	1.0	1	1	2	3	3
234	*****	*****	1.8	1.0	1	1	2	3	3
235	*****	*****	1.8	1.0	1	1	2	3	3
236	*****	*****	2.0	0.8	1	2	2	3	3
237	*****	*****	1.5	1.0	1	1	1	2	3
238	*****	*****	2.0	0.8	1	2	2	3	3
239	*****	*****	1.8	1.0	1	1	2	3	3
240	*****	*****	2.3	1.0	1	2	3	3	3
241	*****	*****	2.0	0.8	1	2	2	3	3

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
242	*****	*****	2.3	1.0	1	2	3	3	3
243	*****	*****	1.8	1.0	1	1	2	3	3
244	*****	*****	2.0	1.0	1	1	2	3	3
245	*****	*****	3.0	2.6	1	1	2	6	6
246	*****	*****	1.3	0.6	1	1	1	2	2
247	*****	*****	2.3	0.6	2	2	2	3	3
248	*****	*****	2.3	1.2	1	1	3	3	3
249	*****	*****	1.7	0.6	1	1	2	2	2
250	*****	*****	2.3	0.6	2	2	2	3	3
251	*****	*****	2.0	1.0	1	1	2	3	3
252	*****	*****	1.7	1.2	1	1	1	3	3
253	*****	*****	3.3	2.3	2	2	2	6	6
254	*****	*****	1.5	0.7	1	1	2	2	2
255	*****	*****	2.0	1.4	1	1	2	3	3
256	*****	*****	2.0	0.0	2	2	2	2	2
257	*****	*****	*****	*****	*****	*****	*****	*****	*****
258	*****	*****	*****	*****	*****	*****	*****	*****	*****
259	*****	*****	*****	*****	*****	*****	*****	*****	*****
260	*****	*****	*****	*****	*****	*****	*****	*****	*****
261	*****	*****	*****	*****	*****	*****	*****	*****	*****
262	*****	*****	*****	*****	*****	*****	*****	*****	*****
263	*****	*****	*****	*****	*****	*****	*****	*****	*****
264	*****	*****	*****	*****	*****	*****	*****	*****	*****
265	*****	*****	*****	*****	*****	*****	*****	*****	*****
266	*****	*****	*****	*****	*****	*****	*****	*****	*****
267	*****	*****	*****	*****	*****	*****	*****	*****	*****
268	*****	*****	*****	*****	*****	*****	*****	*****	*****

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
269	*****	*****	*****	*****	*****	*****	*****	*****	*****
270	*****	*****	*****	*****	*****	*****	*****	*****	*****
271	*****	*****	*****	*****	*****	*****	*****	*****	*****
272	*****	*****	*****	*****	*****	*****	*****	*****	*****
273	*****	*****	*****	*****	*****	*****	*****	*****	*****
274	*****	*****	*****	*****	*****	*****	*****	*****	*****
275	*****	*****	*****	*****	*****	*****	*****	*****	*****
276	*****	*****	*****	*****	*****	*****	*****	*****	*****
277	*****	*****	*****	*****	*****	*****	*****	*****	*****
278	*****	*****	*****	*****	*****	*****	*****	*****	*****
279	*****	*****	*****	*****	*****	*****	*****	*****	*****
280	*****	*****	*****	*****	*****	*****	*****	*****	*****
281	*****	*****	*****	*****	*****	*****	*****	*****	*****
282	*****	*****	*****	*****	*****	*****	*****	*****	*****
283	*****	*****	*****	*****	*****	*****	*****	*****	*****
284	*****	*****	*****	*****	*****	*****	*****	*****	*****
285	*****	*****	*****	*****	*****	*****	*****	*****	*****
286	*****	*****	*****	*****	*****	*****	*****	*****	*****
287	*****	*****	*****	*****	*****	*****	*****	*****	*****
288	*****	*****	*****	*****	*****	*****	*****	*****	*****
289	*****	*****	*****	*****	*****	*****	*****	*****	*****
290	*****	*****	*****	*****	*****	*****	*****	*****	*****
291	*****	*****	*****	*****	*****	*****	*****	*****	*****
292	*****	*****	*****	*****	*****	*****	*****	*****	*****
293	*****	*****	*****	*****	*****	*****	*****	*****	*****
294	*****	*****	*****	*****	*****	*****	*****	*****	*****
295	*****	*****	*****	*****	*****	*****	*****	*****	*****

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
296	*****	*****	*****	*****	*****	*****	*****	*****	*****
297	*****	*****	*****	*****	*****	*****	*****	*****	*****
298	*****	*****	*****	*****	*****	*****	*****	*****	*****
299	*****	*****	*****	*****	*****	*****	*****	*****	*****
300	*****	*****	*****	*****	*****	*****	*****	*****	*****
301	*****	*****	*****	*****	*****	*****	*****	*****	*****
302	*****	*****	*****	*****	*****	*****	*****	*****	*****
303	*****	*****	*****	*****	*****	*****	*****	*****	*****
304	*****	*****	*****	*****	*****	*****	*****	*****	*****
305	*****	*****	*****	*****	*****	*****	*****	*****	*****
306	*****	*****	*****	*****	*****	*****	*****	*****	*****
307	*****	*****	*****	*****	*****	*****	*****	*****	*****
308	*****	*****	*****	*****	*****	*****	*****	*****	*****
309	*****	*****	*****	*****	*****	*****	*****	*****	*****
310	*****	*****	*****	*****	*****	*****	*****	*****	*****
311	*****	*****	*****	*****	*****	*****	*****	*****	*****
312	*****	*****	*****	*****	*****	*****	*****	*****	*****
313	*****	*****	*****	*****	*****	*****	*****	*****	*****
314	*****	*****	*****	*****	*****	*****	*****	*****	*****
315	*****	*****	*****	*****	*****	*****	*****	*****	*****
316	*****	*****	*****	*****	*****	*****	*****	*****	*****
317	*****	*****	*****	*****	*****	*****	*****	*****	*****
318	*****	*****	*****	*****	*****	*****	*****	*****	*****
319	*****	*****	*****	*****	*****	*****	*****	*****	*****
320	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	52,433	28.5	277.8	273.6	0	64	184	394	1176

**Table 3b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neupogen (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 4a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites		
	Number	Percent
Total Dispensings	461,168	100
<b>Days Supply Categories</b>		
0-1	461,168	100

**Table 4b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	460,401	100.0	80.9	157.4	0	19	20	42	1180
<b>Gap Number*</b>									
1	94,802	20.6	26.0	31.0	1	19	20	27	998
2	75,858	16.5	24.9	28.4	1	19	20	27	952
3	58,027	12.6	25.0	32.1	1	17	20	26	1041
4	35,314	7.7	27.7	40.5	1	20	20	27	888
5	25,196	5.5	26.9	39.9	1	19	20	26	850
6	12,587	2.7	33.7	61.9	1	13	20	27	818
7	9,284	2.0	25.8	42.1	1	13	20	26	923
8	5,944	1.3	28.4	45.7	1	13	20	27	811
9	4,579	1.0	25.8	33.1	1	13	20	27	664
10	3,490	0.8	26.2	38.7	1	13	20	27	839
11	2,639	0.6	27.2	40.4	1	13	20	27	706
12	1,877	0.4	27.5	38.0	1	13	20	27	547
13	1,509	0.3	23.9	25.5	1	13	20	27	413
14	1,239	0.3	23.4	21.9	6	13	20	27	327
15	1,009	0.2	24.1	27.9	1	13	20	25	313
16	828	0.2	24.4	33.0	2	13	20	26	503
17	678	0.1	23.7	27.9	1	13	20	27	370
18	573	0.1	23.9	27.0	5	13	20	26	297
19	482	0.1	22.4	18.4	6	13	20	22	186
20	410	0.1	22.3	27.2	1	13	18	20	270
21	332	0.1	20.3	16.5	10	13	16	20	229
22	294	0.1	22.0	22.9	10	13	16	20	224
23	253	0.1	21.6	20.5	1	13	15	21	224
24	219	0.0	23.0	26.0	10	13	20	27	356
25	183	0.0	19.1	13.6	1	13	13	20	139



**Table 4b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	161	0.0	18.5	9.2	1	13	14	20	90
27	147	0.0	25.6	44.4	11	13	20	21	489
28	134	0.0	23.0	36.1	12	13	13	20	388
29	122	0.0	19.3	11.3	10	13	14	20	92
30	102	0.0	19.6	14.3	11	13	13	20	118
31	88	0.0	19.0	11.2	12	13	14	20	90
32	77	0.0	21.1	27.4	12	13	13	20	244
33	68	0.0	19.1	9.2	12	13	14	21	60
34	59	0.0	17.1	7.8	11	13	13	20	55
35	52	0.0	16.7	7.1	11	13	13	20	55
36	46	0.0	17.8	8.4	1	13	13	20	48
37	42	0.0	16.5	7.9	10	13	13	20	55
38	36	0.0	15.4	4.3	11	13	13	20	27
39	34	0.0	15.9	4.5	12	13	13	20	27
40	30	0.0	30.8	38.1	12	13	13	20	170
41	28	0.0	20.1	13.6	13	13	13	21	76
42	25	0.0	16.3	5.8	12	13	13	20	34
43	22	0.0	16.4	5.1	12	13	13	20	27
44	20	0.0	16.2	5.3	11	13	13	20	27
45	19	0.0	17.6	7.3	13	13	13	20	39
46	17	0.0	17.9	10.4	12	13	13	20	55
47	14	0.0	15.9	7.7	12	13	13	13	41
48	14	0.0	20.6	20.4	13	13	13	20	90
49	12	0.0	13.4	1.5	12	13	13	13	18
50	*****	*****	15.0	4.6	13	13	13	13	27
51	*****	*****	22.3	25.1	12	13	13	14	89
52	*****	*****	12.7	0.5	12	12	13	13	13

**Table 4b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
53	*****	*****	13.3	0.5	13	13	13	14	14
54	*****	*****	16.8	6.2	13	13	14	21	26
55	*****	*****	12.5	1.0	11	12	13	13	13
56	*****	*****	12.7	0.6	12	12	13	13	13
57	*****	*****	20.0	9.9	13	13	20	27	27
58	*****	*****	*****	*****	*****	*****	*****	*****	*****
59	*****	*****	*****	*****	*****	*****	*****	*****	*****
60	*****	*****	*****	*****	*****	*****	*****	*****	*****
61	*****	*****	*****	*****	*****	*****	*****	*****	*****
62	*****	*****	*****	*****	*****	*****	*****	*****	*****
63	*****	*****	*****	*****	*****	*****	*****	*****	*****
64	*****	*****	*****	*****	*****	*****	*****	*****	*****
65	*****	*****	*****	*****	*****	*****	*****	*****	*****
66	*****	*****	*****	*****	*****	*****	*****	*****	*****
67	*****	*****	*****	*****	*****	*****	*****	*****	*****
68	*****	*****	*****	*****	*****	*****	*****	*****	*****
69	*****	*****	*****	*****	*****	*****	*****	*****	*****
70	*****	*****	*****	*****	*****	*****	*****	*****	*****
71	*****	*****	*****	*****	*****	*****	*****	*****	*****
72	*****	*****	*****	*****	*****	*****	*****	*****	*****
73	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	121,368	26.4	234.2	242.3	0	49	151	329	1180

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 5a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using National Drug Codes (NDCs) only)**

All Sites		
	Number	Percent
Total Dispensings	20,360	100
<b>Days Supply Categories</b>		
0-1	2,070	10.2
2-30	18,174	89.3
31-60	89	0.4
61-90	*****	*****
91+	*****	*****

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

**Table 5b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	12,764	100.0	123.3	211.1	0	6	20	140	1080
<b>Gap Number*</b>									
1	3,136	24.6	17.8	36.9	1	4	9	20	878
2	1,593	12.5	19.3	40.0	1	4	10	20	710
3	854	6.7	20.7	38.4	1	6	13	21	613
4	478	3.7	23.8	44.0	1	7	13	22	411
5	278	2.2	26.7	61.4	1	7	13	22	574
6	146	1.1	19.0	19.0	1	7	15	26	159
7	94	0.7	28.5	57.7	1	7	14	22	372
8	67	0.5	28.2	72.9	1	8	15	23	532
9	52	0.4	33.0	51.5	1	13	17	26	258
10	33	0.3	26.3	33.0	1	13	16	21	136
11	27	0.2	20.9	33.3	1	10	14	21	184
12	19	0.1	19.1	17.1	2	12	14	22	79
13	14	0.1	25.9	23.3	3	12	20	27	77
14	*****	*****	18.5	10.1	2	14	18	20	41
15	*****	*****	18.3	7.0	6	13	20	24	27
16	*****	*****	18.5	13.0	1	13	18	20	41
17	*****	*****	26.2	9.3	18	20	24	28	43
18	*****	*****	21.3	13.8	10	12	17	31	41
19	*****	*****	31.0	24.4	14	14	20	59	59
20	*****	*****	14.0	0.0	14	14	14	14	14
21	*****	*****	*****	*****	*****	*****	*****	*****	*****
22	*****	*****	*****	*****	*****	*****	*****	*****	*****
23	*****	*****	*****	*****	*****	*****	*****	*****	*****
24	*****	*****	*****	*****	*****	*****	*****	*****	*****
25	*****	*****	*****	*****	*****	*****	*****	*****	*****

**Table 5b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	*****	*****	*****	*****	*****	*****	*****	*****	*****
27	*****	*****	*****	*****	*****	*****	*****	*****	*****
28	*****	*****	*****	*****	*****	*****	*****	*****	*****
29	*****	*****	*****	*****	*****	*****	*****	*****	*****
30	*****	*****	*****	*****	*****	*****	*****	*****	*****
31	*****	*****	*****	*****	*****	*****	*****	*****	*****
32	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	5,923	46.4	242.8	259.7	0	29	154	373	1080

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 6a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites		
	Number	Percent
Total Dispensings <sup>1</sup>	498,413	100
<b>Days Supply Categories</b>		
0-1	472,266	94.8
2-30	25,963	5.2
31-60	137	0
61-90	*****	*****
91+	*****	*****

<sup>1</sup> Cohorts required exposures defined by HCPCS had no evidence of a prior exposure NDC, and vice-versa. Therefore, total dispensings will not be equal to the sum of HCPCS-only and NDC-only dispensings.

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

**Table 6b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	498,413	100.0	82.0	159.4	0	19	20	43	1180
<b>Gap Number*</b>									
1	472,266	20.7	25.7	31.8	1	18	20	27	998
2	25,963	16.3	24.8	29.9	1	18	20	27	952
3	60,254	12.4	25.1	33.1	1	15	20	26	1041
4	36,766	7.6	27.8	41.4	1	19	20	27	888
5	26,172	5.4	27.0	40.8	1	18	20	26	850
6	13,190	2.7	33.6	61.7	1	13	20	27	818
7	9,715	2.0	26.2	44.0	1	13	20	26	923
8	6,272	1.3	28.5	46.4	1	13	20	27	811
9	4,833	1.0	26.1	34.2	1	13	20	27	664
10	3,682	0.8	26.3	38.5	1	13	20	27	839
11	2,787	0.6	27.4	42.3	1	13	20	27	735
12	1,994	0.4	27.6	38.3	1	13	20	27	547
13	1,601	0.3	23.8	25.1	1	13	20	27	413
14	1,314	0.3	23.4	22.1	1	13	20	27	327
15	1,068	0.2	24.4	29.3	1	13	20	26	313
16	872	0.2	24.2	32.2	1	13	20	26	503
17	714	0.1	23.8	27.8	1	13	20	27	370
18	603	0.1	23.9	26.7	2	13	20	27	297
19	507	0.1	22.3	18.3	3	13	20	25	186
20	428	0.1	22.1	26.8	1	13	18	20	270
21	344	0.1	20.4	16.4	7	13	17	20	229
22	304	0.1	21.7	22.6	3	13	16	20	224
23	263	0.1	22.0	21.3	1	13	16	22	224
24	226	0.0	22.9	25.6	4	13	20	27	356
25	188	0.0	19.2	13.7	1	13	13	20	139

**Table 6b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	166	0.0	18.5	9.3	1	13	14	20	90
27	151	0.0	25.5	43.8	9	13	20	21	489
28	136	0.0	22.9	35.9	10	13	13	20	388
29	124	0.0	19.2	11.3	3	13	14	20	92
30	104	0.0	19.6	14.2	11	13	13	20	118
31	90	0.0	19.1	11.1	12	13	14	20	90
32	79	0.0	21.0	27.0	12	13	13	20	244
33	69	0.0	19.2	9.1	12	13	14	21	60
34	60	0.0	16.9	7.9	4	13	13	20	55
35	53	0.0	16.9	7.2	11	13	13	20	55
36	46	0.0	17.8	8.4	1	13	13	20	48
37	42	0.0	16.5	7.9	10	13	13	20	55
38	36	0.0	15.4	4.3	11	13	13	20	27
39	34	0.0	15.9	4.5	12	13	13	20	27
40	30	0.0	30.8	38.1	12	13	13	20	170
41	28	0.0	20.1	13.6	13	13	13	21	76
42	25	0.0	16.3	5.8	12	13	13	20	34
43	22	0.0	16.4	5.1	12	13	13	20	27
44	20	0.0	16.2	5.3	11	13	13	20	27
45	19	0.0	17.6	7.3	13	13	13	20	39
46	17	0.0	17.9	10.4	12	13	13	20	55
47	14	0.0	15.9	7.7	12	13	13	13	41
48	14	0.0	20.6	20.4	13	13	13	20	90
49	12	0.0	13.4	1.5	12	13	13	13	18
50	*****	*****	15.0	4.6	13	13	13	13	27
51	*****	*****	22.3	25.1	12	13	13	14	89
52	*****	*****	12.7	0.5	12	12	13	13	13



**Table 6b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Neulasta (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
53	*****	*****	13.3	0.5	13	13	13	14	14
54	*****	*****	16.8	6.2	13	13	14	21	26
55	*****	*****	12.5	1.0	11	12	13	13	13
56	*****	*****	12.7	0.6	12	12	13	13	13
57	*****	*****	20.0	9.9	13	13	20	27	27
58	*****	*****	*****	*****	*****	*****	*****	*****	*****
59	*****	*****	*****	*****	*****	*****	*****	*****	*****
60	*****	*****	*****	*****	*****	*****	*****	*****	*****
61	*****	*****	*****	*****	*****	*****	*****	*****	*****
62	*****	*****	*****	*****	*****	*****	*****	*****	*****
63	*****	*****	*****	*****	*****	*****	*****	*****	*****
64	*****	*****	*****	*****	*****	*****	*****	*****	*****
65	*****	*****	*****	*****	*****	*****	*****	*****	*****
66	*****	*****	*****	*****	*****	*****	*****	*****	*****
67	*****	*****	*****	*****	*****	*****	*****	*****	*****
68	*****	*****	*****	*****	*****	*****	*****	*****	*****
69	*****	*****	*****	*****	*****	*****	*****	*****	*****
70	*****	*****	*****	*****	*****	*****	*****	*****	*****
71	*****	*****	*****	*****	*****	*****	*****	*****	*****
72	*****	*****	*****	*****	*****	*****	*****	*****	*****
73	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	130,277	26.8	234.9	243.6	0	48	151	330	1180

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 7a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites		
	Number	Percent
Total Dispensings	36,457	100
<b>Days Supply Categories</b>		
0-1	36,457	100

**Table 7b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	19,201	100.0	70.4	137.8	0	4	12	47	819
<b>Gap Number*</b>									
1	2,617	13.6	22.8	45.9	1	4	11	22	525
2	1,783	9.3	19.6	36.1	1	5	11	20	634
3	1,374	7.2	17.2	38.5	1	3	9	18	624
4	1,082	5.6	16.6	35.9	1	4	9	18	550
5	875	4.6	13.3	22.9	1	3	7	16	327
6	714	3.7	13.3	27.8	1	3	6	14	390
7	591	3.1	10.6	21.2	1	2	6	13	398
8	486	2.5	13.4	32.3	1	3	6	13	401
9	423	2.2	13.2	33.4	1	3	6	13	400
10	348	1.8	9.5	16.3	1	2	6	11	175
11	308	1.6	12.1	33.1	1	2	6	12	452
12	255	1.3	9.8	16.1	1	2	6	11	177
13	230	1.2	8.0	8.8	1	2	5	11	65
14	213	1.1	10.8	18.0	1	2	5	11	125
15	193	1.0	8.9	16.5	1	3	6	10	207
16	166	0.9	10.5	32.4	1	2	5	9	387
17	146	0.8	8.6	12.5	1	2	5	11	125
18	134	0.7	8.2	16.5	1	2	5	8	171
19	119	0.6	7.0	13.1	1	2	4	7	134
20	106	0.6	9.1	18.3	1	2	5	8	153
21	97	0.5	10.4	26.0	1	2	6	8	215
22	89	0.5	8.9	17.9	1	2	5	6	139
23	81	0.4	7.5	13.4	1	2	4	7	106
24	73	0.4	6.7	11.1	1	2	4	6	76
25	72	0.4	6.0	6.1	1	2	4	8	33

**Table 7b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	69	0.4	7.0	8.9	1	2	5	9	69
27	63	0.3	11.3	36.9	1	2	4	9	293
28	57	0.3	6.5	5.6	1	3	5	7	34
29	52	0.3	6.9	15.3	1	2	4	6	109
30	49	0.3	5.9	5.1	1	2	5	6	23
31	46	0.2	5.1	4.2	1	2	4	6	19
32	45	0.2	5.2	5.1	1	2	4	6	26
33	43	0.2	8.6	16.8	1	2	4	7	109
34	40	0.2	6.7	7.3	1	2	6	8	43
35	36	0.2	5.1	4.6	1	2	4	6	25
36	33	0.2	5.8	5.6	1	2	5	6	24
37	31	0.2	4.4	3.1	1	2	4	6	13
38	30	0.2	8.1	10.2	1	2	6	11	53
39	30	0.2	11.1	31.5	1	2	3	6	158
40	30	0.2	4.2	2.9	1	1	5	6	12
41	27	0.1	4.9	4.7	1	2	4	6	20
42	25	0.1	4.5	2.7	1	2	5	6	9
43	23	0.1	9.2	23.6	1	2	4	6	116
44	23	0.1	4.4	3.3	1	2	3	6	13
45	22	0.1	4.9	5.2	1	2	4	6	20
46	20	0.1	4.2	2.8	1	2	4	6	11
47	19	0.1	4.5	4.6	1	2	3	6	20
48	19	0.1	3.7	3.0	1	1	3	6	13
49	18	0.1	4.2	3.5	1	1	4	6	13
50	18	0.1	5.3	4.0	1	2	4	6	13
51	18	0.1	4.2	3.2	1	1	4	6	13
52	18	0.1	3.6	3.2	1	1	3	6	13

**Table 7b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
53	18	0.1	4.1	2.9	1	2	4	6	13
54	18	0.1	4.8	4.8	1	1	3	6	20
55	18	0.1	4.6	3.8	1	2	4	6	13
56	18	0.1	5.2	3.6	1	2	5	6	13
57	18	0.1	4.6	3.8	1	2	3	6	13
58	18	0.1	5.4	4.9	1	2	5	6	20
59	18	0.1	4.0	3.1	1	2	3	6	14
60	18	0.1	4.3	2.9	1	2	4	6	13
61	16	0.1	4.1	3.0	1	2	4	6	12
62	16	0.1	4.9	3.4	1	2	5	6	14
63	15	0.1	5.9	5.6	1	2	4	7	20
64	15	0.1	3.5	1.8	1	2	3	5	6
65	15	0.1	4.5	3.1	1	2	4	6	13
66	15	0.1	3.9	3.1	1	2	3	6	13
67	15	0.1	3.5	2.2	1	2	3	6	7
68	15	0.1	4.7	4.7	1	2	4	6	20
69	15	0.1	3.6	2.2	1	1	3	6	6
70	12	0.1	3.8	1.9	2	2	3	6	7
71	12	0.1	3.9	2.5	1	2	4	6	8
72	12	0.1	5.0	5.1	1	2	4	6	20
73	11	0.1	3.8	2.0	1	2	4	6	6
74	11	0.1	3.7	2.2	1	2	3	6	7
75	*****	*****	3.8	3.7	1	1	3	6	13
76	*****	*****	8.6	16.4	1	2	4	6	55
77	*****	*****	3.2	2.0	1	2	3	5	6
78	*****	*****	2.9	2.0	1	1	2	4	6
79	*****	*****	4.3	3.2	1	2	3	6	11

**Table 7b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
80	*****	*****	4.0	1.9	1	3	4	6	6
81	*****	*****	3.6	2.0	1	2	3	6	6
82	*****	*****	3.4	2.1	1	2	2	6	6
83	*****	*****	4.3	4.0	1	2	3	6	13
84	*****	*****	3.9	1.6	2	3	4	5	6
85	*****	*****	3.1	2.1	1	1	3	6	6
86	*****	*****	4.7	4.2	1	2	3	6	13
87	*****	*****	3.6	1.9	1	2	3	6	6
88	*****	*****	5.4	4.8	1	2	3	11	13
89	*****	*****	3.6	2.1	1	1	4	6	6
90	*****	*****	3.1	2.2	1	1	2	6	6
91	*****	*****	3.7	2.0	1	2	3	6	6
92	*****	*****	5.2	6.4	1	1	2	6	16
93	*****	*****	3.5	1.7	2	3	3	5	6
94	*****	*****	2.5	2.4	1	1	2	4	6
95	*****	*****	7.0	7.0	1	3	5	12	17
96	*****	*****	5.3	4.3	1	2	5	9	11
97	*****	*****	2.7	2.1	1	1	2	5	5
98	*****	*****	1.7	0.6	1	1	2	2	2
99	*****	*****	2.3	1.5	1	1	2	4	4
100	*****	*****	1.7	1.2	1	1	1	3	3
101	*****	*****	2.7	0.6	2	2	3	3	3
102	*****	*****	1.3	0.6	1	1	1	2	2
103	*****	*****	2.7	1.5	1	1	3	4	4
104	*****	*****	4.7	5.5	1	1	2	11	11
105	*****	*****	2.7	1.5	1	1	3	4	4
106	*****	*****	1.7	0.6	1	1	2	2	2

**Table 7b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
107	*****	*****	2.7	1.5	1	1	3	4	4
108	*****	*****	5.3	6.7	1	1	2	13	13
109	*****	*****	2.0	1.0	1	1	2	3	3
110	*****	*****	2.3	1.5	1	1	2	4	4
111	*****	*****	1.7	1.2	1	1	1	3	3
112	*****	*****	2.7	1.2	2	2	2	4	4
113	*****	*****	1.7	1.2	1	1	1	3	3
114	*****	*****	2.3	1.5	1	1	2	4	4
115	*****	*****	2.0	1.0	1	1	2	3	3
116	*****	*****	4.7	5.5	1	1	2	11	11
117	*****	*****	1.7	1.2	1	1	1	3	3
118	*****	*****	3.3	1.2	2	2	4	4	4
119	*****	*****	1.7	1.2	1	1	1	3	3
120	*****	*****	3.3	1.2	2	2	4	4	4
121	*****	*****	1.7	1.2	1	1	1	3	3
122	*****	*****	3.0	1.7	2	2	2	5	5
123	*****	*****	2.7	1.5	1	1	3	4	4
124	*****	*****	1.3	0.6	1	1	1	2	2
125	*****	*****	9.7	3.2	6	6	11	12	12
126	*****	*****	2.7	1.5	1	1	3	4	4
127	*****	*****	2.0	1.0	1	1	2	3	3
128	*****	*****	1.7	1.2	1	1	1	3	3
129	*****	*****	2.7	1.2	2	2	2	4	4
130	*****	*****	1.7	1.2	1	1	1	3	3
131	*****	*****	2.3	1.5	1	1	2	4	4
132	*****	*****	2.0	1.0	1	1	2	3	3
133	*****	*****	2.3	1.5	1	1	2	4	4

**Table 7b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
134	*****	*****	1.7	1.2	1	1	1	3	3
135	*****	*****	2.7	1.2	2	2	2	4	4
136	*****	*****	3.0	0.0	3	3	3	3	3
137	*****	*****	3.5	0.7	3	3	4	4	4
138	*****	*****	1.5	0.7	1	1	2	2	2
139	*****	*****	2.0	0.0	2	2	2	2	2
140	*****	*****	2.0	1.4	1	1	2	3	3
141	*****	*****	1.5	0.7	1	1	2	2	2
142	*****	*****	2.5	0.7	2	2	3	3	3
143	*****	*****	1.5	0.7	1	1	2	2	2
144	*****	*****	2.0	1.4	1	1	2	3	3
145	*****	*****	2.0	0.0	2	2	2	2	2
146	*****	*****	2.0	1.4	1	1	2	3	3
147	*****	*****	1.5	0.7	1	1	2	2	2
148	*****	*****	2.5	0.7	2	2	3	3	3
149	*****	*****	1.5	0.7	1	1	2	2	2
150	*****	*****	2.0	1.4	1	1	2	3	3
151	*****	*****	2.0	0.0	2	2	2	2	2
152	*****	*****	2.0	1.4	1	1	2	3	3
153	*****	*****	1.5	0.7	1	1	2	2	2
154	*****	*****	10.5	10.6	3	3	11	18	18
155	*****	*****	1.5	0.7	1	1	2	2	2
156	*****	*****	2.5	0.7	2	2	3	3	3
157	*****	*****	1.5	0.7	1	1	2	2	2
158	*****	*****	3.5	3.5	1	1	4	6	6
159	*****	*****	2.5	0.7	2	2	3	3	3
160	*****	*****	2.0	0.0	2	2	2	2	2



**Table 7b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
161	*****	*****	8.0	7.1	3	3	8	13	13
162	*****	*****	4.0	2.8	2	2	4	6	6
163	*****	*****	3.5	0.7	3	3	4	4	4
164	*****	*****	2.0	1.4	1	1	2	3	3
165	*****	*****	2.0	0.0	2	2	2	2	2
166	*****	*****	1.5	0.7	1	1	2	2	2
167	*****	*****	8.0	7.1	3	3	8	13	13
168	*****	*****	1.5	0.7	1	1	2	2	2
169	*****	*****	2.5	0.7	2	2	3	3	3
170	*****	*****	2.5	0.7	2	2	3	3	3
171	*****	*****	2.5	0.7	2	2	3	3	3
172	*****	*****	1.5	0.7	1	1	2	2	2
173	*****	*****	2.0	1.4	1	1	2	3	3
174	*****	*****	2.0	0.0	2	2	2	2	2
175	*****	*****	2.0	1.4	1	1	2	3	3
176	*****	*****	1.5	0.7	1	1	2	2	2
177	*****	*****	7.5	6.4	3	3	8	12	12
178	*****	*****	2.0	0.0	2	2	2	2	2
179	*****	*****	*****	*****	*****	*****	*****	*****	*****
180	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	5,018	26.1	227.6	190.2	0	66	176	353	819

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 8a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using National Drug Codes (NDCs) only)**

All Sites		
	Number	Percent
Total Dispensings	1,384	100
<b>Days Supply Categories</b>		
0-1	44	3.2
2-30	1,317	95.2
31-60	*****	*****
61-90	*****	*****

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

**Table 8b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	1,107	100.0	113.0	172.2	0	10	34	150	1041
<b>Gap Number*</b>									
1	224	20.2	24.8	38.1	1	7	15	28	424
2	115	10.4	24.5	36.2	1	5	14	25	275
3	57	5.1	35.6	69.9	1	9	15	35	432
4	34	3.1	35.1	88.9	1	9	16	30	530
5	19	1.7	27.1	29.3	2	6	16	49	111
6	*****	*****	18.4	12.5	2	12	18	21	46
7	*****	*****	16.8	12.9	2	6	16	27	36
8	*****	*****	15.3	10.0	2	9	12	22	33
9	*****	*****	26.6	31.4	1	4	13	39	76
10	*****	*****	19.0	21.8	2	7	12	32	51
11	*****	*****	6.7	5.1	1	1	8	11	11
12	*****	*****	*****	*****	*****	*****	*****	*****	*****
13	*****	*****	*****	*****	*****	*****	*****	*****	*****
14	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	619	55.9	181.4	201.8	0	31	123	262	1041

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 9a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites		
	Number	Percent
Total Dispensings <sup>1</sup>	38,214	100
<b>Days Supply Categories</b>		
0-1	36,555	95.7
2-30	1,634	4.3
31-60	*****	*****
61-90	*****	*****

<sup>1</sup> Cohorts required exposures defined by HCPCS had no evidence of a prior exposure NDC, and vice-versa. Therefore, total dispensings will not be equal to the sum of HCPCS-only and NDC-only dispensings.

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

**Table 9b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	20,425	100.0	72.4	139.7	0	4	12	53	1041
<b>Gap Number*</b>									
1	2,899	14.2	23.0	46.4	1	4	11	23	635
2	1,945	9.5	19.8	35.9	1	5	11	20	634
3	1,467	7.2	18.6	41.7	1	4	9	18	624
4	1,138	5.6	17.6	39.2	1	4	9	18	550
5	915	4.5	13.6	23.4	1	3	7	16	327
6	738	3.6	14.0	28.8	1	3	6	15	390
7	608	3.0	11.7	24.4	1	2	6	13	398
8	501	2.5	13.4	31.8	1	3	6	13	401
9	435	2.1	13.6	33.5	1	3	6	13	400
10	354	1.7	10.2	20.6	1	2	6	11	247
11	312	1.5	12.1	32.8	1	2	6	12	452
12	256	1.3	9.9	16.5	1	2	5	11	177
13	230	1.1	8.2	9.2	1	2	5	11	65
14	213	1.0	10.5	17.8	1	2	5	11	125
15	192	0.9	8.7	16.6	1	3	5	10	207
16	167	0.8	10.8	32.4	1	2	4	9	387
17	147	0.7	8.7	13.6	1	2	5	11	125
18	135	0.7	8.2	16.5	1	2	5	8	171
19	121	0.6	7.1	13.0	1	2	4	7	134
20	107	0.5	9.0	18.2	1	2	5	8	153
21	98	0.5	10.3	25.9	1	2	6	8	215
22	90	0.4	8.8	17.8	1	2	5	6	139
23	82	0.4	8.5	17.2	1	2	5	7	110
24	73	0.4	6.6	11.1	1	2	4	6	76
25	72	0.4	6.0	6.0	1	2	4	7	33

**Table 9b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	69	0.3	7.0	8.9	1	2	5	9	69
27	63	0.3	11.7	37.0	1	2	4	9	293
28	57	0.3	6.5	5.6	1	3	5	7	34
29	51	0.2	7.2	15.4	1	2	5	6	109
30	48	0.2	6.2	5.2	1	3	6	7	23
31	45	0.2	5.2	4.3	1	2	4	6	19
32	43	0.2	5.3	5.1	1	2	4	6	26
33	41	0.2	8.8	17.2	1	2	4	7	109
34	38	0.2	6.8	7.4	1	2	6	7	43
35	34	0.2	5.3	4.7	1	2	4	6	25
36	31	0.2	5.9	5.7	1	2	5	6	24
37	29	0.1	4.7	3.5	1	2	4	6	13
38	28	0.1	8.2	10.5	1	2	6	11	53
39	28	0.1	11.8	32.6	1	2	4	6	158
40	28	0.1	4.5	2.9	1	1	6	6	12
41	25	0.1	5.1	4.8	1	2	4	6	20
42	23	0.1	4.5	2.6	1	2	5	6	9
43	21	0.1	10.0	24.6	1	2	4	6	116
44	21	0.1	4.6	3.3	1	2	5	6	13
45	20	0.1	5.2	5.4	1	2	4	6	20
46	19	0.1	4.4	2.8	1	2	4	6	11
47	18	0.1	4.6	4.7	1	2	4	6	20
48	18	0.1	3.9	3.0	1	1	3	6	13
49	17	0.1	4.6	3.7	1	2	4	6	13
50	17	0.1	5.7	4.1	1	3	4	7	13
51	17	0.1	4.4	3.2	1	2	4	6	13
52	17	0.1	3.5	3.1	1	1	3	5	13

**Table 9b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
53	17	0.1	4.1	3.0	1	2	4	6	13
54	17	0.1	4.8	4.9	1	2	3	6	20
55	17	0.1	4.9	3.8	1	2	4	6	13
56	16	0.1	5.3	3.7	1	3	5	6	13
57	16	0.1	4.3	3.4	1	2	3	6	13
58	16	0.1	5.6	5.1	1	2	5	6	20
59	16	0.1	3.9	3.3	1	2	3	6	14
60	16	0.1	4.3	3.0	1	2	4	6	13
61	14	0.1	4.1	3.1	1	1	4	6	12
62	14	0.1	5.1	3.5	1	2	5	6	14
63	13	0.1	5.7	6.0	1	2	3	6	20
64	13	0.1	3.5	1.9	1	2	3	5	6
65	13	0.1	4.7	3.1	1	2	4	6	13
66	13	0.1	4.0	3.2	1	2	3	5	13
67	13	0.1	3.4	2.2	1	2	3	6	7
68	13	0.1	4.8	4.9	1	2	4	6	20
69	13	0.1	3.6	2.1	1	2	3	6	6
70	*****	*****	3.6	1.8	2	2	3	6	6
71	*****	*****	4.1	2.6	1	2	5	6	8
72	*****	*****	5.2	5.6	1	2	4	6	20
73	*****	*****	3.8	2.0	1	2	4	6	6
74	*****	*****	3.7	2.2	1	2	3	6	7
75	*****	*****	4.1	3.8	1	2	3	6	13
76	*****	*****	9.4	17.2	1	2	4	6	55
77	*****	*****	3.4	2.1	1	2	3	6	6
78	*****	*****	3.1	2.0	1	2	3	5	6
79	*****	*****	4.8	3.2	1	3	5	6	11

**Table 9b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
80	*****	*****	3.8	1.8	1	3	4	6	6
81	*****	*****	3.8	2.1	1	2	4	6	6
82	*****	*****	3.6	2.1	1	2	3	6	6
83	*****	*****	4.3	4.0	1	2	3	6	13
84	*****	*****	3.9	1.6	2	3	4	5	6
85	*****	*****	3.1	2.1	1	1	3	6	6
86	*****	*****	4.7	4.2	1	2	3	6	13
87	*****	*****	3.6	1.9	1	2	3	6	6
88	*****	*****	5.4	4.8	1	2	3	11	13
89	*****	*****	3.6	2.1	1	1	4	6	6
90	*****	*****	3.1	2.2	1	1	2	6	6
91	*****	*****	3.7	2.0	1	2	3	6	6
92	*****	*****	5.2	6.4	1	1	2	6	16
93	*****	*****	3.5	1.7	2	3	3	5	6
94	*****	*****	2.5	2.4	1	1	2	4	6
95	*****	*****	7.0	7.0	1	3	5	12	17
96	*****	*****	5.3	4.3	1	2	5	9	11
97	*****	*****	2.7	2.1	1	1	2	5	5
98	*****	*****	1.7	0.6	1	1	2	2	2
99	*****	*****	2.3	1.5	1	1	2	4	4
100	*****	*****	1.7	1.2	1	1	1	3	3
101	*****	*****	2.7	0.6	2	2	3	3	3
102	*****	*****	1.3	0.6	1	1	1	2	2
103	*****	*****	2.7	1.5	1	1	3	4	4
104	*****	*****	4.7	5.5	1	1	2	11	11
105	*****	*****	2.7	1.5	1	1	3	4	4
106	*****	*****	1.7	0.6	1	1	2	2	2



**Table 9b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
107	*****	*****	2.7	1.5	1	1	3	4	4
108	*****	*****	5.3	6.7	1	1	2	13	13
109	*****	*****	2.0	1.0	1	1	2	3	3
110	*****	*****	2.3	1.5	1	1	2	4	4
111	*****	*****	1.7	1.2	1	1	1	3	3
112	*****	*****	2.7	1.2	2	2	2	4	4
113	*****	*****	1.7	1.2	1	1	1	3	3
114	*****	*****	2.3	1.5	1	1	2	4	4
115	*****	*****	2.0	1.0	1	1	2	3	3
116	*****	*****	4.7	5.5	1	1	2	11	11
117	*****	*****	1.7	1.2	1	1	1	3	3
118	*****	*****	3.3	1.2	2	2	4	4	4
119	*****	*****	1.7	1.2	1	1	1	3	3
120	*****	*****	3.3	1.2	2	2	4	4	4
121	*****	*****	1.7	1.2	1	1	1	3	3
122	*****	*****	3.0	1.7	2	2	2	5	5
123	*****	*****	2.7	1.5	1	1	3	4	4
124	*****	*****	1.3	0.6	1	1	1	2	2
125	*****	*****	9.7	3.2	6	6	11	12	12
126	*****	*****	2.7	1.5	1	1	3	4	4
127	*****	*****	2.0	1.0	1	1	2	3	3
128	*****	*****	1.7	1.2	1	1	1	3	3
129	*****	*****	2.7	1.2	2	2	2	4	4
130	*****	*****	1.7	1.2	1	1	1	3	3
131	*****	*****	2.3	1.5	1	1	2	4	4
132	*****	*****	2.0	1.0	1	1	2	3	3
133	*****	*****	2.3	1.5	1	1	2	4	4

**Table 9b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
134	*****	*****	1.7	1.2	1	1	1	3	3
135	*****	*****	2.7	1.2	2	2	2	4	4
136	*****	*****	3.0	0.0	3	3	3	3	3
137	*****	*****	3.5	0.7	3	3	4	4	4
138	*****	*****	1.5	0.7	1	1	2	2	2
139	*****	*****	2.0	0.0	2	2	2	2	2
140	*****	*****	2.0	1.4	1	1	2	3	3
141	*****	*****	1.5	0.7	1	1	2	2	2
142	*****	*****	2.5	0.7	2	2	3	3	3
143	*****	*****	1.5	0.7	1	1	2	2	2
144	*****	*****	2.0	1.4	1	1	2	3	3
145	*****	*****	2.0	0.0	2	2	2	2	2
146	*****	*****	2.0	1.4	1	1	2	3	3
147	*****	*****	1.5	0.7	1	1	2	2	2
148	*****	*****	2.5	0.7	2	2	3	3	3
149	*****	*****	1.5	0.7	1	1	2	2	2
150	*****	*****	2.0	1.4	1	1	2	3	3
151	*****	*****	2.0	0.0	2	2	2	2	2
152	*****	*****	2.0	1.4	1	1	2	3	3
153	*****	*****	1.5	0.7	1	1	2	2	2
154	*****	*****	10.5	10.6	3	3	11	18	18
155	*****	*****	1.5	0.7	1	1	2	2	2
156	*****	*****	2.5	0.7	2	2	3	3	3
157	*****	*****	1.5	0.7	1	1	2	2	2
158	*****	*****	3.5	3.5	1	1	4	6	6
159	*****	*****	2.5	0.7	2	2	3	3	3
160	*****	*****	2.0	0.0	2	2	2	2	2

**Table 9b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Granix (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
161	*****	*****	8.0	7.1	3	3	8	13	13
162	*****	*****	4.0	2.8	2	2	4	6	6
163	*****	*****	3.5	0.7	3	3	4	4	4
164	*****	*****	2.0	1.4	1	1	2	3	3
165	*****	*****	2.0	0.0	2	2	2	2	2
166	*****	*****	1.5	0.7	1	1	2	2	2
167	*****	*****	8.0	7.1	3	3	8	13	13
168	*****	*****	1.5	0.7	1	1	2	2	2
169	*****	*****	2.5	0.7	2	2	3	3	3
170	*****	*****	2.5	0.7	2	2	3	3	3
171	*****	*****	2.5	0.7	2	2	3	3	3
172	*****	*****	1.5	0.7	1	1	2	2	2
173	*****	*****	2.0	1.4	1	1	2	3	3
174	*****	*****	2.0	0.0	2	2	2	2	2
175	*****	*****	2.0	1.4	1	1	2	3	3
176	*****	*****	1.5	0.7	1	1	2	2	2
177	*****	*****	7.5	6.4	3	3	8	12	12
178	*****	*****	2.0	0.0	2	2	2	2	2
179	*****	*****	*****	*****	*****	*****	*****	*****	*****
180	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	5,609	27.5	222.8	191.9	0	63	171	341	1041

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 10a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites		
	Number	Percent
Total Dispensings	71,447	100
<b>Days Supply Categories</b>		
0-1	71,447	100

**Table 10b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	35,316	100.0	54.4	112.0	0	4	11	30	806
<b>Gap Number*</b>									
1	5,136	14.5	19.8	36.9	1	3	11	20	571
2	3,642	10.3	16.9	27.5	1	5	11	19	476
3	2,823	8.0	15.1	27.1	1	4	9	17	554
4	2,162	6.1	14.9	29.8	1	4	9	17	554
5	1,713	4.9	13.5	27.0	1	4	7	16	429
6	1,363	3.9	13.8	30.0	1	4	6	14	560
7	1,105	3.1	12.4	26.0	1	3	6	13	312
8	903	2.6	11.9	21.9	1	3	6	13	404
9	772	2.2	12.6	28.8	1	3	6	13	410
10	670	1.9	11.4	19.8	1	3	6	13	217
11	559	1.6	10.2	18.2	1	3	6	12	226
12	475	1.3	10.4	16.7	1	3	6	13	221
13	408	1.2	9.9	22.7	1	2	6	11	393
14	355	1.0	9.9	16.6	1	3	6	12	188
15	312	0.9	10.6	19.6	1	3	6	12	194
16	283	0.8	8.1	9.2	1	3	6	11	83
17	244	0.7	10.7	23.3	1	2	6	12	297
18	222	0.6	10.2	30.9	1	3	6	12	448
19	202	0.6	9.3	13.2	1	2	6	12	107
20	191	0.5	9.0	12.7	1	2	6	10	94
21	176	0.5	7.9	8.5	1	2	6	11	61
22	161	0.5	9.4	19.1	1	3	6	10	223
23	147	0.4	8.5	10.9	1	2	6	12	82
24	132	0.4	7.7	10.9	1	2	6	7	76
25	119	0.3	9.3	19.6	1	3	6	11	197

**Table 10b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	111	0.3	8.0	10.5	1	3	6	10	97
27	99	0.3	6.3	6.8	1	2	6	6	39
28	91	0.3	6.8	6.4	1	2	6	7	31
29	88	0.2	10.5	40.0	1	2	5	7	377
30	82	0.2	7.1	8.0	1	2	5	6	50
31	78	0.2	7.0	10.2	1	2	6	6	80
32	72	0.2	7.7	14.4	1	2	6	7	99
33	68	0.2	6.2	6.2	1	2	6	6	41
34	66	0.2	7.1	14.4	1	2	6	6	118
35	65	0.2	4.6	2.9	1	2	5	6	13
36	62	0.2	5.7	4.6	1	2	6	7	21
37	61	0.2	6.0	7.4	1	2	5	6	41
38	57	0.2	7.6	15.0	1	2	6	6	113
39	52	0.1	5.3	6.1	1	2	4	6	35
40	52	0.1	5.0	4.3	1	2	4	6	26
41	48	0.1	5.7	5.5	1	3	6	6	34
42	46	0.1	4.2	3.1	1	2	3	6	14
43	45	0.1	5.0	3.0	1	2	5	6	13
44	43	0.1	3.6	2.1	1	2	3	6	8
45	42	0.1	7.1	16.7	1	2	4	6	111
46	42	0.1	4.5	3.3	1	2	4	6	13
47	41	0.1	8.0	20.2	1	2	3	6	131
48	38	0.1	6.2	8.0	1	2	4	6	44
49	35	0.1	3.9	3.4	1	2	3	6	20
50	33	0.1	4.1	3.6	1	2	3	6	20
51	32	0.1	5.4	6.7	1	2	3	6	33
52	32	0.1	7.0	9.7	1	2	3	8	52

**Table 10b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
53	32	0.1	4.9	5.0	1	2	4	6	23
54	31	0.1	4.9	4.7	1	2	3	6	20
55	30	0.1	4.6	3.1	1	2	4	6	14
56	27	0.1	4.7	4.4	1	2	3	6	20
57	27	0.1	4.0	3.8	1	2	3	6	20
58	27	0.1	4.7	3.5	1	2	4	6	17
59	27	0.1	4.1	3.0	1	2	3	6	13
60	27	0.1	4.2	3.1	1	3	3	6	17
61	26	0.1	3.5	2.8	1	2	3	6	14
62	25	0.1	5.1	5.3	1	2	4	6	28
63	23	0.1	5.6	6.2	1	2	3	6	27
64	23	0.1	4.2	2.7	1	2	3	6	13
65	23	0.1	4.3	2.9	1	2	4	6	13
66	23	0.1	4.0	3.1	1	2	3	6	15
67	22	0.1	4.5	3.2	1	2	4	6	16
68	22	0.1	3.6	2.0	1	2	3	6	7
69	22	0.1	13.0	41.7	1	2	3	6	199
70	22	0.1	3.8	2.5	1	2	3	6	11
71	21	0.1	4.4	3.7	1	2	3	6	18
72	20	0.1	4.8	7.6	1	2	3	6	36
73	18	0.1	4.0	2.4	1	2	3	6	9
74	17	0.0	4.2	2.7	1	2	4	6	10
75	16	0.0	3.6	2.7	1	2	3	4	12
76	15	0.0	4.3	3.8	1	2	3	6	15
77	15	0.0	4.4	6.5	1	1	2	4	27
78	12	0.0	3.8	2.4	1	2	4	6	9
79	*****	*****	3.2	2.1	1	1	3	6	6

**Table 10b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
80	*****	*****	3.8	1.8	1	3	4	6	6
81	*****	*****	3.2	2.2	1	1	3	6	6
82	*****	*****	4.8	3.9	2	2	3	6	13
83	*****	*****	6.4	7.8	1	1	3	6	24
84	*****	*****	4.3	3.5	1	3	3	4	13
85	*****	*****	3.9	3.6	1	2	2	6	12
86	*****	*****	5.1	6.5	1	2	3	4	22
87	*****	*****	2.6	1.5	1	2	2	3	6
88	*****	*****	4.1	2.7	1	2	4	6	9
89	*****	*****	3.0	2.1	1	1	3	5	6
90	*****	*****	3.4	2.0	1	2	4	5	6
91	*****	*****	5.3	3.2	1	3	5	8	10
92	*****	*****	2.8	1.7	1	2	3	4	6
93	*****	*****	3.1	2.5	1	2	2	5	8
94	*****	*****	3.5	1.7	2	2	3	5	6
95	*****	*****	3.0	1.9	1	2	2	5	6
96	*****	*****	3.4	1.3	2	3	3	4	6
97	*****	*****	3.4	3.9	1	1	2	3	12
98	*****	*****	3.9	2.0	1	2	4	6	6
99	*****	*****	2.9	1.6	1	2	3	3	6
100	*****	*****	2.9	1.7	1	2	2	4	6
101	*****	*****	2.9	2.0	1	1	3	3	7
102	*****	*****	3.6	1.8	2	2	3	6	6
103	*****	*****	3.9	2.4	1	2	3	6	7
104	*****	*****	3.6	1.5	2	2	3	5	6
105	*****	*****	3.4	1.9	1	2	3	6	6
106	*****	*****	3.1	1.5	2	2	3	4	6



**Table 10b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
107	*****	*****	2.6	1.3	1	2	2	3	5
108	*****	*****	3.9	2.0	2	2	3	6	7
109	*****	*****	2.8	1.7	1	2	3	3	6
110	*****	*****	4.2	1.6	2	3	4	6	6
111	*****	*****	3.2	2.3	1	1	3	6	6
112	*****	*****	2.8	0.8	2	2	3	3	4
113	*****	*****	1.8	0.8	1	1	2	2	3
114	*****	*****	4.0	2.1	1	3	4	6	6
115	*****	*****	1.8	0.5	1	2	2	2	2
116	*****	*****	3.0	1.4	1	2	4	4	4
117	*****	*****	1.3	0.5	1	1	1	2	2
118	*****	*****	3.8	1.7	2	3	4	5	6
119	*****	*****	2.3	1.0	1	2	3	3	3
120	*****	*****	3.8	1.7	2	3	4	5	6
121	*****	*****	3.8	3.6	1	2	3	6	9
122	*****	*****	3.0	0.8	2	3	3	4	4
123	*****	*****	1.5	0.6	1	1	2	2	2
124	*****	*****	3.8	2.5	1	2	4	6	7
125	*****	*****	1.5	0.6	1	1	2	2	2
126	*****	*****	2.3	1.2	1	1	3	3	3
127	*****	*****	1.7	0.6	1	1	2	2	2
128	*****	*****	3.0	1.7	1	1	4	4	4
129	*****	*****	5.7	8.1	1	1	1	15	15
130	*****	*****	3.0	1.0	2	2	3	4	4
131	*****	*****	1.3	0.6	1	1	1	2	2
132	*****	*****	3.7	0.6	3	3	4	4	4
133	*****	*****	4.3	4.9	1	1	2	10	10

**Table 10b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
134	*****	*****	3.5	0.7	3	3	4	4	4
135	*****	*****	1.5	0.7	1	1	2	2	2
136	*****	*****	4.0	0.0	4	4	4	4	4
137	*****	*****	1.0	0.0	1	1	1	1	1
138	*****	*****	4.5	2.1	3	3	5	6	6
139	*****	*****	2.5	0.7	2	2	3	3	3
140	*****	*****	3.0	1.4	2	2	3	4	4
141	*****	*****	2.0	1.4	1	1	2	3	3
142	*****	*****	3.0	1.4	2	2	3	4	4
143	*****	*****	3.5	3.5	1	1	4	6	6
144	*****	*****	3.5	0.7	3	3	4	4	4
145	*****	*****	1.5	0.7	1	1	2	2	2
146	*****	*****	*****	*****	*****	*****	*****	*****	*****
147	*****	*****	*****	*****	*****	*****	*****	*****	*****
148	*****	*****	*****	*****	*****	*****	*****	*****	*****
149	*****	*****	*****	*****	*****	*****	*****	*****	*****
150	*****	*****	*****	*****	*****	*****	*****	*****	*****
151	*****	*****	*****	*****	*****	*****	*****	*****	*****
152	*****	*****	*****	*****	*****	*****	*****	*****	*****
153	*****	*****	*****	*****	*****	*****	*****	*****	*****
154	*****	*****	*****	*****	*****	*****	*****	*****	*****
155	*****	*****	*****	*****	*****	*****	*****	*****	*****
156	*****	*****	*****	*****	*****	*****	*****	*****	*****
157	*****	*****	*****	*****	*****	*****	*****	*****	*****
158	*****	*****	*****	*****	*****	*****	*****	*****	*****
159	*****	*****	*****	*****	*****	*****	*****	*****	*****
160	*****	*****	*****	*****	*****	*****	*****	*****	*****

**Table 10b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
161	*****	*****	*****	*****	*****	*****	*****	*****	*****
162	*****	*****	*****	*****	*****	*****	*****	*****	*****
163	*****	*****	*****	*****	*****	*****	*****	*****	*****
164	*****	*****	*****	*****	*****	*****	*****	*****	*****
165	*****	*****	*****	*****	*****	*****	*****	*****	*****
166	*****	*****	*****	*****	*****	*****	*****	*****	*****
167	*****	*****	*****	*****	*****	*****	*****	*****	*****
168	*****	*****	*****	*****	*****	*****	*****	*****	*****
169	*****	*****	*****	*****	*****	*****	*****	*****	*****
170	*****	*****	*****	*****	*****	*****	*****	*****	*****
171	*****	*****	*****	*****	*****	*****	*****	*****	*****
172	*****	*****	*****	*****	*****	*****	*****	*****	*****
173	*****	*****	*****	*****	*****	*****	*****	*****	*****
174	*****	*****	*****	*****	*****	*****	*****	*****	*****
175	*****	*****	*****	*****	*****	*****	*****	*****	*****
176	*****	*****	*****	*****	*****	*****	*****	*****	*****
177	*****	*****	*****	*****	*****	*****	*****	*****	*****
178	*****	*****	*****	*****	*****	*****	*****	*****	*****
179	*****	*****	*****	*****	*****	*****	*****	*****	*****
180	*****	*****	*****	*****	*****	*****	*****	*****	*****
181	*****	*****	*****	*****	*****	*****	*****	*****	*****
182	*****	*****	*****	*****	*****	*****	*****	*****	*****
183	*****	*****	*****	*****	*****	*****	*****	*****	*****
184	*****	*****	*****	*****	*****	*****	*****	*****	*****
185	*****	*****	*****	*****	*****	*****	*****	*****	*****
186	*****	*****	*****	*****	*****	*****	*****	*****	*****
187	*****	*****	*****	*****	*****	*****	*****	*****	*****

**Table 10b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
188	*****	*****	*****	*****	*****	*****	*****	*****	*****
189	*****	*****	*****	*****	*****	*****	*****	*****	*****
190	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	8,460	24.0	182.7	168.2	0	44	134	278	806

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 11a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using National Drug Codes (NDCs) only)**

All Sites		
	Number	Percent
Total Dispensings	26,039	100
<b>Days Supply Categories</b>		
0-1	329	1.3
2-30	25,624	98.4
31-60	71	0.3
61-90	15	0.1

**Table 11b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Xarxio (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	23,375	100.0	80.3	145.2	0	9	16	54	781
<b>Gap Number*</b>									
1	5,096	21.8	19.9	29.6	1	9	15	20	610
2	3,813	16.3	18.3	26.2	1	8	15	18	618
3	2,809	12.0	18.0	29.4	1	8	14	17	582
4	1,574	6.7	18.8	24.1	1	9	15	18	358
5	1,091	4.7	20.5	37.4	1	9	14	18	510
6	533	2.3	22.0	41.3	1	7	11	19	394
7	365	1.6	18.4	30.0	1	7	11	19	261
8	219	0.9	21.6	34.2	1	6	13	22	331
9	157	0.7	26.1	46.8	1	7	14	22	374
10	116	0.5	20.4	28.5	2	7	11	21	165
11	90	0.4	19.8	22.5	1	7	13	23	135
12	68	0.3	16.3	16.5	1	6	12	20	109
13	52	0.2	15.4	12.5	2	9	12	18	77
14	41	0.2	13.0	9.2	2	7	11	16	41
15	32	0.1	15.5	11.7	2	10	14	18	67
16	27	0.1	17.4	16.0	1	7	13	18	59
17	26	0.1	25.2	43.3	4	11	14	22	231
18	22	0.1	12.5	9.1	2	6	11	16	40
19	17	0.1	11.8	5.8	2	7	12	15	22
20	15	0.1	10.4	6.0	4	5	9	15	22
21	12	0.1	10.3	2.8	6	8	11	11	15
22	*****	*****	8.3	4.8	1	4	9	11	15
23	*****	*****	16.4	22.1	2	7	9	16	74
24	*****	*****	10.1	10.1	3	5	7	10	36
25	*****	*****	7.9	3.4	2	7	9	11	11

**Table 11b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zaxio (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	*****	*****	11.0	8.2	4	6	10	11	30
27	*****	*****	16.9	14.0	4	11	11	18	47
28	*****	*****	10.0	7.5	3	4	8	15	22
29	*****	*****	13.6	8.3	3	11	11	18	25
30	*****	*****	8.5	5.8	3	4	9	14	14
31	*****	*****	14.0	12.6	3	6	11	22	32
32	*****	*****	7.5	5.5	2	3	7	12	14
33	*****	*****	13.3	0.6	13	13	13	14	14
34	*****	*****	9.0	5.0	4	4	9	14	14
35	*****	*****	12.0	1.4	11	11	12	13	13
36	*****	*****	19.0	1.4	18	18	19	20	20
37	*****	*****	10.5	2.1	9	9	11	12	12
38	*****	*****	18.5	12.0	10	10	19	27	27
39	*****	*****	12.0	1.4	11	11	12	13	13
40	*****	*****	13.0	2.8	11	11	13	15	15
41	*****	*****	*****	*****	*****	*****	*****	*****	*****
42	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	7,105	30.4	220.3	198.1	0	46	164	368	781

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 12a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites		
	Number	Percent
Total Dispensings <sup>1</sup>	105,281	100
<b>Days Supply Categories</b>		
0-1	77,655	73.8
2-30	27,530	26.1
31-60	81	0.1
61-90	15	0

<sup>1</sup> Cohorts required exposures defined by HCPCS had no evidence of a prior exposure NDC, and vice-versa. Therefore, total dispensings will not be equal to the sum of HCPCS-only and NDC-only dispensings.



**Table 12b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Xarxio (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	62,685	100.0	63.6	125.6	0	6	14	37	806
<b>Gap Number*</b>									
1	10,874	17.3	20.0	34.1	1	6	14	20	610
2	7,962	12.7	17.8	28.1	1	7	14	18	618
3	6,038	9.6	16.9	30.0	1	6	13	17	582
4	4,048	6.5	16.9	28.5	1	6	13	18	554
5	3,041	4.9	16.6	33.2	1	5	11	17	512
6	2,061	3.3	16.6	34.4	1	5	9	16	560
7	1,595	2.5	14.0	26.8	1	4	7	15	312
8	1,225	2.0	13.9	24.9	1	4	7	15	404
9	1,009	1.6	15.2	32.5	1	3	6	15	410
10	849	1.4	13.5	25.5	1	4	6	13	374
11	700	1.1	11.6	19.1	1	3	6	13	226
12	586	0.9	11.1	16.3	1	3	6	13	221
13	499	0.8	11.6	26.0	1	3	6	13	393
14	428	0.7	10.5	16.0	1	3	6	13	188
15	371	0.6	11.0	18.6	1	3	6	13	194
16	334	0.5	8.9	10.1	1	3	6	12	83
17	291	0.5	12.3	26.1	1	3	6	13	297
18	264	0.4	10.4	28.7	1	3	6	12	448
19	238	0.4	9.8	14.2	1	2	6	13	115
20	222	0.4	8.9	12.0	1	2	6	11	94
21	201	0.3	8.1	8.4	1	2	6	11	61
22	183	0.3	9.3	18.2	1	3	6	11	223
23	168	0.3	8.7	11.5	1	2	6	12	82
24	153	0.2	7.6	10.6	1	3	5	7	76
25	137	0.2	10.0	20.6	1	3	6	11	197

**Table 12b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	127	0.2	8.0	10.2	1	3	6	10	97
27	114	0.2	7.2	8.1	1	2	6	7	47
28	105	0.2	6.7	6.3	1	2	5	7	31
29	101	0.2	10.3	37.4	1	2	5	8	377
30	93	0.1	6.8	7.7	1	2	5	6	50
31	89	0.1	7.2	10.0	1	2	6	6	80
32	83	0.1	7.3	13.6	1	2	5	7	99
33	78	0.1	6.2	6.1	1	2	6	6	41
34	76	0.1	7.1	13.5	1	2	6	7	118
35	74	0.1	4.7	3.1	1	2	5	6	13
36	70	0.1	5.9	5.0	1	2	6	7	21
37	69	0.1	6.0	7.1	1	2	5	6	41
38	65	0.1	7.6	14.3	1	2	6	6	113
39	60	0.1	5.8	6.6	1	2	4	6	35
40	60	0.1	5.1	4.4	1	2	4	6	26
41	55	0.1	5.9	6.3	1	2	5	6	34
42	53	0.1	4.3	3.2	1	2	3	6	14
43	51	0.1	4.9	3.0	1	2	4	6	13
44	49	0.1	3.6	2.1	1	2	3	6	8
45	48	0.1	6.5	15.7	1	2	3	6	111
46	48	0.1	5.5	8.1	1	2	4	6	56
47	45	0.1	7.6	19.3	1	2	3	6	131
48	42	0.1	5.9	7.7	1	2	4	6	44
49	38	0.1	3.8	3.4	1	2	3	6	20
50	36	0.1	4.1	3.4	1	2	3	6	20
51	35	0.1	5.5	6.5	1	2	3	6	33
52	35	0.1	6.7	9.3	1	2	3	7	52

**Table 12b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
53	35	0.1	4.7	4.9	1	2	3	6	23
54	34	0.1	4.9	4.5	1	2	4	6	20
55	33	0.1	4.5	3.1	1	2	3	6	14
56	30	0.0	4.6	4.2	1	2	3	6	20
57	30	0.0	4.1	4.0	1	2	3	6	20
58	30	0.0	4.7	3.4	1	3	4	6	17
59	30	0.0	4.0	2.9	1	2	3	6	13
60	30	0.0	8.0	21.7	1	3	3	6	122
61	29	0.0	3.4	2.8	1	2	2	6	14
62	28	0.0	5.4	5.1	1	3	5	6	28
63	26	0.0	5.3	5.8	1	2	4	6	27
64	26	0.0	5.2	6.8	1	2	3	6	36
65	25	0.0	4.1	2.8	1	2	3	6	13
66	25	0.0	4.3	3.2	1	2	3	6	15
67	24	0.0	4.3	3.1	1	2	4	6	16
68	24	0.0	3.4	2.0	1	2	3	6	7
69	24	0.0	12.1	39.9	1	2	3	6	199
70	24	0.0	3.6	2.4	1	2	3	6	11
71	23	0.0	4.3	3.5	1	2	3	6	18
72	22	0.0	5.3	8.0	1	1	3	6	36
73	20	0.0	4.7	3.7	1	3	4	6	17
74	19	0.0	5.0	4.9	1	1	4	6	22
75	17	0.0	3.6	2.6	1	2	3	4	12
76	16	0.0	4.1	3.7	1	2	3	6	15
77	16	0.0	4.4	6.3	1	2	3	4	27
78	13	0.0	3.8	2.3	1	3	3	5	9
79	11	0.0	3.3	2.1	1	1	3	6	6

**Table 12b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zaxio (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
80	11	0.0	3.5	1.9	1	2	3	6	6
81	*****	*****	3.3	2.1	1	1	3	6	6
82	*****	*****	4.4	3.9	1	2	3	6	13
83	*****	*****	6.2	7.4	1	1	4	6	24
84	*****	*****	4.0	3.5	1	2	3	4	13
85	*****	*****	3.9	3.4	1	2	3	6	12
86	*****	*****	4.8	6.2	1	2	3	4	22
87	*****	*****	2.7	1.4	1	2	2	3	6
88	*****	*****	3.8	2.7	1	2	3	6	9
89	*****	*****	3.1	2.0	1	1	3	4	6
90	*****	*****	3.1	2.0	1	1	3	4	6
91	*****	*****	5.0	3.0	1	3	4	6	10
92	*****	*****	2.6	1.7	1	1	2	3	6
93	*****	*****	3.4	2.6	1	2	2	6	8
94	*****	*****	3.2	1.8	1	2	3	4	6
95	*****	*****	3.2	1.9	1	2	2	5	6
96	*****	*****	3.5	1.2	2	3	3	4	6
97	*****	*****	3.1	3.7	1	1	2	3	12
98	*****	*****	3.8	1.8	1	3	4	6	6
99	*****	*****	2.6	1.6	1	2	3	3	6
100	*****	*****	3.1	1.7	1	2	3	5	6
101	*****	*****	2.6	2.0	1	1	3	3	7
102	*****	*****	3.6	1.7	2	2	4	5	6
103	*****	*****	4.0	2.3	1	2	4	6	7
104	*****	*****	3.3	1.7	1	2	3	5	6
105	*****	*****	3.4	1.8	1	3	3	5	6
106	*****	*****	2.9	1.6	1	2	3	4	6

**Table 12b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zaxio (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
107	*****	*****	2.8	1.3	1	2	3	4	5
108	*****	*****	3.5	2.1	1	2	3	5	7
109	*****	*****	3.0	1.6	1	2	3	4	6
110	*****	*****	3.7	1.9	1	2	4	6	6
111	*****	*****	3.3	2.1	1	1	3	6	6
112	*****	*****	2.5	1.0	1	2	3	3	4
113	*****	*****	2.2	1.2	1	1	2	3	4
114	*****	*****	3.5	2.3	1	1	4	6	6
115	*****	*****	2.2	1.1	1	2	2	2	4
116	*****	*****	2.6	1.5	1	1	3	4	4
117	*****	*****	1.6	0.9	1	1	1	2	3
118	*****	*****	3.4	1.7	2	2	3	4	6
119	*****	*****	2.6	1.1	1	2	3	3	4
120	*****	*****	3.2	1.9	1	2	3	4	6
121	*****	*****	3.8	3.1	1	2	3	4	9
122	*****	*****	2.6	1.1	1	2	3	3	4
123	*****	*****	2.0	1.2	1	1	2	2	4
124	*****	*****	3.2	2.5	1	1	3	4	7
125	*****	*****	1.8	0.8	1	1	2	2	3
126	*****	*****	2.3	1.0	1	2	3	3	3
127	*****	*****	2.3	1.3	1	2	2	3	4
128	*****	*****	2.5	1.7	1	1	3	4	4
129	*****	*****	5.3	6.7	1	1	3	10	15
130	*****	*****	2.8	1.0	2	2	3	4	4
131	*****	*****	1.8	1.0	1	1	2	3	3
132	*****	*****	3.0	1.4	1	2	4	4	4
133	*****	*****	4.3	4.0	1	2	3	7	10

**Table 12b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zaxio (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
134	*****	*****	2.7	1.5	1	1	3	4	4
135	*****	*****	2.3	1.5	1	1	2	4	4
136	*****	*****	3.0	1.7	1	1	4	4	4
137	*****	*****	2.0	1.7	1	1	1	4	4
138	*****	*****	3.3	2.5	1	1	3	6	6
139	*****	*****	3.0	1.0	2	2	3	4	4
140	*****	*****	2.3	1.5	1	1	2	4	4
141	*****	*****	2.7	1.5	1	1	3	4	4
142	*****	*****	2.3	1.5	1	1	2	4	4
143	*****	*****	3.7	2.5	1	1	4	6	6
144	*****	*****	2.7	1.5	1	1	3	4	4
145	*****	*****	2.3	1.5	1	1	2	4	4
146	*****	*****	2.5	2.1	1	1	3	4	4
147	*****	*****	2.0	1.4	1	1	2	3	3
148	*****	*****	3.0	1.4	2	2	3	4	4
149	*****	*****	15.5	16.3	4	4	16	27	27
150	*****	*****	1.0	0.0	1	1	1	1	1
151	*****	*****	5.0	1.4	4	4	5	6	6
152	*****	*****	3.0	2.8	1	1	3	5	5
153	*****	*****	2.5	2.1	1	1	3	4	4
154	*****	*****	2.5	2.1	1	1	3	4	4
155	*****	*****	2.5	2.1	1	1	3	4	4
156	*****	*****	2.5	2.1	1	1	3	4	4
157	*****	*****	2.5	2.1	1	1	3	4	4
158	*****	*****	2.5	2.1	1	1	3	4	4
159	*****	*****	3.0	1.4	2	2	3	4	4
160	*****	*****	1.5	0.7	1	1	2	2	2

**Table 12b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zaxio (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
161	*****	*****	2.5	2.1	1	1	3	4	4
162	*****	*****	3.0	2.8	1	1	3	5	5
163	*****	*****	2.5	2.1	1	1	3	4	4
164	*****	*****	2.0	1.4	1	1	2	3	3
165	*****	*****	3.5	0.7	3	3	4	4	4
166	*****	*****	2.0	1.4	1	1	2	3	3
167	*****	*****	*****	*****	*****	*****	*****	*****	*****
168	*****	*****	*****	*****	*****	*****	*****	*****	*****
169	*****	*****	*****	*****	*****	*****	*****	*****	*****
170	*****	*****	*****	*****	*****	*****	*****	*****	*****
171	*****	*****	*****	*****	*****	*****	*****	*****	*****
172	*****	*****	*****	*****	*****	*****	*****	*****	*****
173	*****	*****	*****	*****	*****	*****	*****	*****	*****
174	*****	*****	*****	*****	*****	*****	*****	*****	*****
175	*****	*****	*****	*****	*****	*****	*****	*****	*****
176	*****	*****	*****	*****	*****	*****	*****	*****	*****
177	*****	*****	*****	*****	*****	*****	*****	*****	*****
178	*****	*****	*****	*****	*****	*****	*****	*****	*****
179	*****	*****	*****	*****	*****	*****	*****	*****	*****
180	*****	*****	*****	*****	*****	*****	*****	*****	*****
181	*****	*****	*****	*****	*****	*****	*****	*****	*****
182	*****	*****	*****	*****	*****	*****	*****	*****	*****
183	*****	*****	*****	*****	*****	*****	*****	*****	*****
184	*****	*****	*****	*****	*****	*****	*****	*****	*****
185	*****	*****	*****	*****	*****	*****	*****	*****	*****
186	*****	*****	*****	*****	*****	*****	*****	*****	*****
187	*****	*****	*****	*****	*****	*****	*****	*****	*****

**Table 12b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Zarxio (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
188	*****	*****	*****	*****	*****	*****	*****	*****	*****
189	*****	*****	*****	*****	*****	*****	*****	*****	*****
190	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	16,261	25.9	199.1	183.3	0	44	144	316	806

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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



**Table 13a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites		
	Number	Percent
Total Dispensings	555,059	100
<b>Days Supply Categories</b>		
0-1	555,059	100

**Table 13b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	554,530	100.0	58.5	78.2	0	38	49	55	1177
<b>Gap Number*</b>									
1	64,430	11.6	46.6	41.5	1	27	48	55	973
2	58,389	10.5	49.5	31.5	1	33	48	55	910
3	52,232	9.4	53.8	28.2	1	41	55	56	913
4	46,687	8.4	52.9	24.4	1	41	55	55	870
5	40,814	7.4	52.3	25.8	1	41	55	55	844
6	32,860	5.9	51.2	25.1	1	41	52	55	765
7	27,055	4.9	50.4	24.0	1	41	50	55	686
8	23,126	4.2	50.6	23.6	1	41	52	55	655
9	20,081	3.6	50.3	22.3	1	41	53	55	646
10	18,013	3.2	50.0	20.0	1	41	53	55	464
11	16,045	2.9	49.9	20.3	1	41	52	55	551
12	14,025	2.5	49.5	19.9	1	41	50	55	603
13	12,142	2.2	49.1	17.3	1	41	49	55	523
14	10,748	1.9	48.3	15.3	1	41	48	55	343
15	9,374	1.7	47.8	16.1	1	41	48	55	408
16	7,836	1.4	46.7	15.5	1	40	46	55	362
17	6,390	1.2	45.3	14.0	1	39	43	55	279
18	4,761	0.9	42.7	12.9	1	34	41	51	238
19	3,694	0.7	40.4	12.3	1	34	41	45	223
20	2,937	0.5	39.2	13.4	1	31	41	42	327
21	2,356	0.4	38.2	13.3	1	28	40	41	188
22	1,917	0.3	37.3	13.0	1	27	37	41	259
23	1,505	0.3	35.6	9.6	1	27	34	41	104
24	1,102	0.2	34.3	11.6	1	27	33	41	203
25	833	0.2	33.3	11.6	1	27	30	36	156

**Table 13b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	664	0.1	32.1	11.9	2	27	28	34	208
27	557	0.1	31.2	8.9	1	27	28	34	81
28	468	0.1	30.8	10.4	1	27	27	34	167
29	393	0.1	30.8	15.1	2	27	27	34	276
30	322	0.1	29.7	9.0	3	27	27	31	128
31	253	0.0	28.9	7.6	1	27	27	29	83
32	196	0.0	28.7	7.4	2	27	27	29	82
33	158	0.0	30.1	21.6	3	27	27	28	279
34	111	0.0	27.5	6.0	9	27	27	27	55
35	78	0.0	27.1	5.2	5	27	27	27	41
36	41	0.0	32.2	32.4	12	27	27	27	232
37	17	0.0	26.9	6.8	12	27	27	27	42
38	*****	*****	26.0	9.3	6	27	27	28	41
39	*****	*****	28.4	7.7	20	27	27	27	41
40	*****	*****	26.3	10.7	17	19	24	34	41

**Table 13b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using Level II Healthcare Common Procedure Coding System (HCPCS) codes only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
41	*****	*****	27.7	11.6	20	20	22	41	41
42	*****	*****	21.0	1.4	20	20	21	22	22
43	*****	*****	19.0	1.4	18	18	19	20	20
44	*****	*****	20.0	0.0	20	20	20	20	20
45	*****	*****	20.0	0.0	20	20	20	20	20
46	*****	*****	*****	*****	*****	*****	*****	*****	*****
47	*****	*****	*****	*****	*****	*****	*****	*****	*****
48	*****	*****	*****	*****	*****	*****	*****	*****	*****
49	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	71,887	13.0	117.3	195.2	0	18	38	100	1177

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 14a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using National Drug Codes (NDCs) only)**

All Sites		
	Number	Percent
Total Dispensings	15,635	100
<b>Days Supply Categories</b>		
0-1	948	6.1
2-30	8,537	54.6
31-60	6,016	38.5
61-90	122	0.8
91+	12	0.1

**Table 14b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	11,057	100.0	46.7	103.6	0	7	25	42	1004
<b>Gap Number*</b>									
1	1,933	17.5	26.0	35.9	1	7	15	33	479
2	1,501	13.6	25.6	26.2	1	8	21	36	504
3	1,121	10.1	28.0	24.3	1	9	26	42	231
4	847	7.7	30.4	32.2	1	12	26	42	513
5	645	5.8	29.6	25.6	1	11	27	42	337
6	477	4.3	30.9	27.0	1	13	28	42	363
7	358	3.2	33.4	23.4	1	15	34	46	230
8	293	2.6	34.3	24.5	1	20	35	43	288
9	242	2.2	34.7	25.9	1	21	35	44	311
10	219	2.0	38.8	34.1	1	25	35	49	405
11	179	1.6	36.0	19.4	1	27	35	47	152
12	149	1.3	39.5	24.7	1	28	39	48	228
13	129	1.2	40.5	24.3	1	32	37	45	204
14	107	1.0	39.4	19.7	3	28	40	49	174
15	77	0.7	34.6	13.5	5	28	35	42	78
16	60	0.5	36.0	19.6	2	28	35	42	153
17	46	0.4	32.0	10.3	9	28	31	39	63
18	35	0.3	28.6	10.8	4	27	28	36	46
19	25	0.2	28.3	9.4	3	27	28	35	42
20	18	0.2	27.1	9.2	13	20	28	33	42
21	14	0.1	27.4	10.5	12	18	28	35	42
22	*****	*****	27.1	11.7	4	21	28	34	42
23	*****	*****	27.6	10.6	14	21	27	36	40
24	*****	*****	27.8	8.8	15	22	31	34	35
25	*****	*****	25.0	12.0	13	13	25	37	37

**Table 14b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	*****	*****	20.5	9.2	14	14	21	27	27
27	*****	*****	20.5	9.2	14	14	21	27	27
28	*****	*****	*****	*****	*****	*****	*****	*****	*****
29	*****	*****	*****	*****	*****	*****	*****	*****	*****
30	*****	*****	*****	*****	*****	*****	*****	*****	*****
31	*****	*****	*****	*****	*****	*****	*****	*****	*****
32	*****	*****	*****	*****	*****	*****	*****	*****	*****
33	*****	*****	*****	*****	*****	*****	*****	*****	*****
34	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	2,549	23.1	104.6	198.6	0	0	7	110	1004

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 15a. Distribution of days supplied per dispensing** in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, **Remicade (HCPCS and NDCs)**

All Sites		
	Number	Percent
Total Dispensings <sup>1</sup>	610,332	100
<b>Days Supply Categories</b>		
0-1	579,732	95
2-30	15,949	2.6
31-60	14,352	2.4
61-90	282	0
91+	17	0

<sup>1</sup> Cohorts required exposures defined by HCPCS had no evidence of a prior exposure NDC, and vice-versa. Therefore, total dispensings will not be equal to the sum of HCPCS-only and NDC-only dispensings.



**Table 15b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	596,018	100.0	57.9	79.1	0	35	48	55	1177
<b>Gap Number*</b>									
1	69,467	11.7	45.8	41.9	1	26	47	55	973
2	62,704	10.5	48.7	32.7	1	30	48	55	910
3	55,902	9.4	52.8	29.2	1	41	55	55	913
4	49,830	8.4	52.1	25.3	1	41	55	55	870
5	43,530	7.3	51.5	26.4	1	41	55	55	844
6	35,183	5.9	50.5	26.1	1	41	51	55	765
7	29,034	4.9	49.9	24.4	1	41	49	55	686
8	24,880	4.2	50.0	24.1	1	41	50	55	655
9	21,640	3.6	49.7	22.4	1	41	52	55	646
10	19,417	3.3	49.6	21.0	1	41	51	55	690
11	17,295	2.9	49.3	20.5	1	41	50	55	551
12	15,134	2.5	49.1	20.1	1	41	49	55	603
13	13,130	2.2	48.7	17.8	1	41	48	55	523
14	11,600	1.9	47.9	16.1	1	41	48	55	403
15	10,081	1.7	47.3	16.5	1	41	48	55	408
16	8,428	1.4	46.4	16.0	1	40	45	55	362
17	6,858	1.2	45.0	14.9	1	37	42	55	335
18	5,135	0.9	42.5	14.6	1	34	41	50	385
19	3,989	0.7	40.2	13.6	1	33	41	45	248
20	3,152	0.5	39.0	14.5	1	30	41	42	327
21	2,518	0.4	37.9	13.4	1	27	40	41	188
22	2,048	0.3	37.1	13.6	1	27	37	41	259
23	1,605	0.3	35.3	10.0	1	27	34	41	104
24	1,183	0.2	34.1	12.3	1	27	33	41	203
25	900	0.2	33.2	12.1	1	27	30	37	156

**Table 15b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
26	723	0.1	31.9	12.0	2	27	28	34	208
27	603	0.1	31.0	9.2	1	27	28	34	81
28	502	0.1	30.8	10.3	1	27	27	34	167
29	422	0.1	30.4	14.9	1	27	27	34	276
30	341	0.1	29.7	9.2	3	27	27	32	128
31	269	0.0	29.1	8.4	1	27	27	29	83
32	211	0.0	28.7	7.4	2	27	27	29	82
33	168	0.0	30.2	21.6	3	27	27	28	279
34	119	0.0	27.5	6.8	6	27	27	27	55
35	83	0.0	26.9	6.2	5	27	27	27	46
36	46	0.0	31.3	31.0	1	27	27	27	232
37	21	0.0	27.0	8.5	7	27	27	27	43
38	11	0.0	26.2	12.5	6	20	27	30	48
39	*****	*****	27.2	7.5	20	21	27	27	41
40	*****	*****	23.8	10.8	14	17	20	27	41
41	*****	*****	27.0	9.6	20	21	24	33	41
42	*****	*****	21.0	1.4	20	20	21	22	22
43	*****	*****	19.0	1.4	18	18	19	20	20
44	*****	*****	20.0	0.0	20	20	20	20	20
45	*****	*****	20.0	0.0	20	20	20	20	20
46	*****	*****	*****	*****	*****	*****	*****	*****	*****
47	*****	*****	*****	*****	*****	*****	*****	*****	*****
48	*****	*****	*****	*****	*****	*****	*****	*****	*****
49	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	77,829	13.1	117.1	196.3	0	16	37	101	1177

**Table 15b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Remicade (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 16a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Inflectra (defined using National Drug Codes (NDCs) only)**

All Sites		
	Number	Percent
Total Dispensings	317	100
<b>Days Supply Categories</b>		
0-1	249	78.5
2-30	*****	*****
31-60	*****	*****

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

**Table 16b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Inflectra (defined using National Drug Codes (NDCs) only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	317	100.0	33.9	20.9	0	19	35	48	100
<b>Gap Number*</b>									
1	114	36.0	39.2	15.7	7	30	41	52	69
2	*****	*****	31.6	9.3	2	27	28	41	54
3	*****	*****	33.9	10.7	21	26	29	44	49
Gap from last episode until censoring	157	49.5	30.7	25.5	0	11	28	44	100

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 17a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Infliximab Biosimilar (defined using Level II Healthcare Common Procedure Coding System (HCPCS) code Q5102 only)**

All Sites		
	Number	Percent
Total Dispensings	2,855	100
<b>Days Supply Categories</b>		
0-1	2,855	100

**Table 17b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Infliximab Biosimilar (defined using Level II Healthcare Common Procedure Coding System (HCPCS) code Q5102 only)**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	2,852	100.0	55.3	51.5	0	27	45	57	542
<b>Gap Number*</b>									
1	698	24.5	42.3	24.3	6	17	41	55	188
2	471	16.5	44.6	18.6	13	27	41	55	209
3	315	11.0	49.6	11.7	13	41	55	55	97
4	161	5.6	45.6	11.2	13	41	42	55	76
5	59	2.1	38.8	11.3	25	27	41	42	76
6	*****	*****	33.7	8.5	27	27	27	41	51
7	*****	*****	34.2	11.6	27	27	28	41	55
8	*****	*****	27.3	0.6	27	27	27	28	28
9	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	1,119	39.2	72.4	75.4	0	23	49	94	542

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Table 18a. Distribution of days supplied per dispensing in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Infliximab Biosimilar (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites		
	Number	Percent
Total Dispensings <sup>1</sup>	3,180	100
<b>Days Supply Categories</b>		
0-1	3,108	97.7
2-30	*****	*****
31-60	*****	*****

<sup>1</sup> Cohorts required exposures defined by HCPCS had no evidence of a prior exposure NDC, and vice-versa. Therefore, total dispensings will not be equal to the sum of HCPCS-only and NDC-only dispensings.

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



**Table 18b. Descriptive statistics for gaps (in days) between treatment episodes in the Sentinel Distributed Database (SDD) between January 1, 2015 to May 22, 2018, Infiximab Biosimilar (defined using both Level II Healthcare Common Procedure Coding System (HCPCS) codes and National Drug Codes (NDCs))**

All Sites									
Gap Number	Number	Percent	Mean	Standard Deviation	Minimum	Quartile 1	Median	Quartile 3	Maximum
<b>Total Episodes</b>	3,171	100.0	53.2	49.7	0	27	42	56	542
<b>Gap Number*</b>									
1	813	25.6	41.9	23.4	3	20	41	55	188
2	510	16.1	43.6	18.4	2	27	41	55	209
3	322	10.2	49.3	11.9	13	41	55	55	97
4	161	5.1	45.6	11.2	13	41	42	55	76
5	59	1.9	38.8	11.3	25	27	41	42	76
6	*****	*****	33.7	8.5	27	27	27	41	51
7	*****	*****	34.2	11.6	27	27	28	41	55
8	*****	*****	27.3	0.6	27	27	27	28	28
9	*****	*****	*****	*****	*****	*****	*****	*****	*****
Gap from last episode until censoring	1,277	40.3	67.2	72.5	0	21	44	86	542

\*Gap 1 is defined as the number of days between the first and second treatment episodes.

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

**Appendix A. Start and End Dates for Each Data Partner (DP) up to Request End Date (May 22, 2018)**

Masked ID	DP Start Date	DP End Date (most recent data available)
DP01	01/01/2000	03/31/2016
DP02	06/01/2007	10/31/2017
DP03	01/01/2000	12/31/2017
DP04	01/01/2008	11/30/2017
DP05	01/01/2006	10/31/2017
DP06	01/01/2000	12/31/2016
DP07	01/01/2008	06/30/2017
DP08	01/01/2010	12/31/2015
DP09	01/01/2000	07/31/2017
DP10	01/01/2000	05/31/2015
DP11	01/01/2000	01/31/2017
DP12	01/01/2000	10/31/2017
DP13	01/01/2005	12/17/2017
DP14	01/01/2004	01/31/2018
DP15	01/01/2000	08/31/2017
DP16	01/01/2000	06/30/2017
DP17	01/01/2012	06/30/2017

\*Start Date and End Date are first calculated by individual table (enrollment, dispensing, etc). End Date is defined as the greatest year-month with a record count that is within 80% of the previous year-month. After Start Dates and End Dates are calculated by individual tables, the overall DP End Date is the minimum of all the table End Dates.

**Appendix B. List of Procedure Codes Used to Define Exposures of Interest in this Request**

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<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Brand Name</b>
J1440	Injection, filgrastim (g-csf), 300 mcg	HCPCS	Neupogen
J1441	Injection, filgrastim (g-csf), 480 mcg	HCPCS	Neupogen
J1442	Injection, filgrastim (g-csf), excludes biosimilars, 1 microgram	HCPCS	Neupogen
Q5101	Injection, filgrastim-sndz, biosimilar, (zarxio), 1 microgram	HCPCS	Zarxio
J2505	Injection, pegfilgrastim, 6 mg	HCPCS	Neulasta
J1446	Injection, tbo-filgrastim, 5 mcg	HCPCS	Granix
J1447	Injection, tbo-filgrastim, 1 mcg	HCPCS	Granix
J1745	Injection, infliximab, excludes biosimilar, 10 mg	HCPCS	Remicade
Q5102	Injection, infliximab, biosimilar, 10 mg	HCPCS	-

**Appendix C. List of Non-Proprietary and Brand Names of Medical Products Used to Define Exposures in this Request**

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<b>Non-Proprietary Name</b>	<b>Brand Name</b>
Infliximab-abda	Renflexis
Infliximab-dyyb	Inflectra
Pegfilgrastim	Neulasta
Filgrastim	Neupogen
Infliximab	Remicade
Filgrastim-sndz	Zarxio
Tbo-Filgrastim	Granix

#### Appendix D. Specifications Defining Parameters for this Request

This exploratory study aimed to understand how biologics and their biosimilars are coded for reimbursement, and therefore appear in claims data. Sentinel's Cohort Identification and Descriptive Analysis (CIDA) tool was used to assess the use of filgrastim and infliximab biologics and their biosimilars among all patients in the Sentinel Distributed Database (SDD). The output of interest was the distribution of days supplied per dispensing and descriptive statistics for gaps between treatment episodes.

<p style="text-align: center;"><b>Query Period:</b> 1/1/2015 - 5/22/2018  <b>Coverage Requirement:</b> Medical and Drug  <b>Enrollment Gap:</b> 45 days  <b>Age Stratifications:</b> All ages to be included</p>													
Scenario	Exposure					Inclusion/Exclusion							
	Exposure	Incidence Criteria	Washout (days)	Episode Gap (days)	Cohort Definition	Censor due to DP data End Date	Censor due to Query End	Censor due to Evidence of Death	Condition	Include or Exclude	Lookback Start	Lookback End	Care Setting/PDX
1	Neupogen_NDCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Neupogen_HCPCs	exclude	ever	ever	Any
2	Neupogen_HCPCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Neupogen_NDCs	exclude	ever	ever	Any
3	Neupogen_Total	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	None	N/A	N/A	N/A	N/A
4	Zarxio_NDCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Zarxio_HCPCs	exclude	ever	ever	Any
5	Zarxio_HCPCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Zarxio_NDCs	exclude	ever	ever	Any
6	Zarxio_Total	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	None	N/A	N/A	N/A	N/A
7	Neulasta_NDCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Neulasta_HCPCs	exclude	ever	ever	Any

**Appendix D. Specifications Defining Parameters for this Request**

Scenario	Exposure						Inclusion/Exclusion						
	Exposure	Incidence Criteria	Washout (days)	Episode Gap (days)	Cohort Definition	Censor due to DP data End Date	Censor due to Query End	Censor due to Evidence of Death	Condition	Include or Exclude	Lookback Start	Lookback End	Care Setting/PDX
8	Neulasta_HCPCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Neulasta_NDCs	exclude	ever	ever	Any
9	Neulasta_Total	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	None	N/A	N/A	N/A	N/A
10	Granix_NDCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Granix_HCPCs	exclude	ever	ever	Any
11	Granix_HCPCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Granix_NDCs	exclude	ever	ever	Any
12	Granix_Total	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	None	N/A	N/A	N/A	N/A
13	Remicade_NDCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Remicade_HCPCs	exclude	ever	ever	Any
14	Remicade_HCPCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Remicade_NDCs	exclude	ever	ever	Any
15	Remicade_Total	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	None	N/A	N/A	N/A	N/A
16	Inflectra_NDCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Infliximab_HCPCs	exclude	ever	ever	N/A

**Appendix D. Specifications Defining Parameters for this Request**

Scenario	Exposure						Inclusion/Exclusion						
	Exposure	Incidence Criteria	Washout (days)	Episode Gap (days)	Cohort Definition	Censor due to DP data End Date	Censor due to Query End	Censor due to Evidence of Death	Condition	Include or Exclude	Lookback Start	Lookback End	Care Setting/PDX
17	Renflexis_NDCs	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Infliximab_HCPCs	exclude	ever	ever	N/A
18	Q5102 (infliximab biosimilar)	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	Inflectra_NDCs; Renflexis_NDCs	exclude	ever	ever	N/A
19	Infliximab_Biosim_Total	None	0	0	Include all valid episodes during the query period	Yes	Yes	Yes	None	N/A	N/A	N/A	N/A

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