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

Data obtained through Mini-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 the Mini-Sentinel pilot in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Mini-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

<u>Request Description</u>	FDA requested execution of Modular Program #3 (MP3) to investigate diagnoses of agranulocytosis (Appendix A), Absolute Neutrophil Count (ANC) laboratory results, and agranulocytosis diagnoses within 14 days of an ANC result following new use of several anti-epileptic drugs. The request required twelve runs of MP3. The time window was January 1, 2006 to June 30, 2013. The package was distributed to 10 Data Partners on August 19, 2014; this report contains data from 10 Data Partners. Please see the Specifications tab for more details on each scenario.
<u>Request ID</u>	to09y05_mpr_wp38_v01
<u>Specifications</u>	Program parameter inputs and scenarios
<u>Glossary</u>	List of Terms found in this Report and their Definitions
<u>Table 1</u>	Table displaying the Number of New Users, New Episodes, Dispensings, Total Days Supplied, Amount Supplied, New Episodes with Events, Years at Risk, Eligible Members, Member-Years, New Users per 1,000 Eligible Members, Days Supplied per User, Dispensings per User, Days Supplied per Dispensing, and New Episodes with Events per 10,000 Years at Risk by Drug Product and Event Definition.
<u>Table 2</u>	Table displaying the Number of New Users, New Episodes, Dispensings, Total Days Supplied, Amount Supplied, New Episodes with Events, Years at Risk, Eligible Members, Member-Years, New Users per 1,000 Eligible Members, Days Supplied per User, Dispensings per User, Days Supplied per Dispensing, and New Episodes with Events per 10,000 Years at Risk by Drug Product, Event Definition, and Age Group .
<u>Table 3</u>	Table displaying the Number of New Users, New Episodes, Dispensings, Total Days Supplied, Amount Supplied, New Episodes with Events, Years at Risk, Eligible Members, Member-Years, New Users per 1,000 Eligible Members, Days Supplied per User, Dispensings per User, Days Supplied per Dispensing, and New Episodes with Events per 10,000 Years at Risk by Drug Product, Event Definition, and Sex .
<u>Table 4</u>	Table displaying the Number of New Users, New Episodes, Dispensings, Total Days Supplied, Amount Supplied, New Episodes with Events, Years at Risk, Eligible Members, Member-Years, New Users per 1,000 Eligible Members, Days Supplied per User, Dispensings per User, Days Supplied per Dispensing, and New Episodes with Events per 10,000 Years at Risk by Drug Product, Event Definition, and Year .
<u>Table 5</u>	Table displaying the Number of New Users, New Episodes, Dispensings, Total Days Supplied, Amount Supplied, New Episodes with Events, Number of Events, Years at Risk, Eligible Members, Member-Years, New Users per 1,000 Eligible Members, Days Supplied per User, Dispensings per User, Days Supplied per Dispensing, and New Episodes with Events per 10,000 Years at Risk by Drug Product, Event Definition, and Data Partner Type .
<u>Table 6</u>	Attrition Table
<u>Appendix A</u>	List of event diagnosis codes
Notes:	Please contact the Mini-Sentinel Operations Center (MSOC_Requests@harvardpilgrim.org) for questions and to provide comments/suggestions for future enhancements to this document.

Specifications for Query ID to09y05_mpr_wp38_v01

Modular Program #3 was used to investigate diagnoses of agranulocytosis, Absolute Neutrophil Count (ANC) laboratory results, and agranulocytosis diagnoses within 14 days of an ANC result following new use of several anti-epileptic drugs. In total, 60 different scenarios were examined in this report with differing exposures of interest and event definitions. See below for a description of each of these scenarios.

Coverage Requirement Drug and Medical Coverage
Query Period January 1, 2006 to June 30, 2013
Enrollment Gap 45 Days
Minimum Enrollment Days 183 Days
Age Stratifications <18, 18-<45, 45-<65, 65+

Scenario	Drug/Exposure									Event/Outcome							
	Incident exposure	Incident w/ respect to:	Washout (days)	Cohort Definition	Episode Gap	Extension Period	Days Supplied	Episode Duration	Truncation by Incident	Event	Setting/PDX	Time Window	Event Date	Incident w/ respect to:	Care Setting/P	Washout (days)	Event De-duplication
1	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis	IPP	N/A	Agranulocytosis Dx	Agranulocytosis	IPP	183	2
2	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis	IPP	N/A	Agranulocytosis Dx	Agranulocytosis	IPP	183	2
3	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis	IPP	N/A	Agranulocytosis Dx	Agranulocytosis	IPP	183	2
4	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis	IPP	N/A	Agranulocytosis Dx	Agranulocytosis	IPP	183	2
5	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value \geq 0 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
6	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value \geq 0 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
7	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value \geq 0 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
8	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value \geq 0 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
9	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value $<$ 0.5 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
10	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value $<$ 0.5 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
11	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value $<$ 0.5 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
12	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value $<$ 0.5 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
13	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value 0.5-< 1.0 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
14	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value 0.5-< 1.0 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2
15	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	Agranulocytosis AND ANC value 0.5-< 1.0 K/UL*	IPP Any	14 days	First of the two	Agranulocytosis	IPP	183	2

Scenario	Drug/Exposure									Event/Outcome							
	Incident exposure	Incident w/ respect to:	Washout (days)	Cohort Definition	Episode Gap	Extension Period	Days Supplied	Episode Duration	Truncation by Incident	Event	Setting/PDX	Time Window	Event Date	Incident w/ respect to:	Care Setting/P	Washout (days)	Event De-duplication
16	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-< 1.0 K/UL* Agranulocytosis AND	IPP	14 days	First of the two	Agranulocytosis	IPP	183	2
17	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-< 1.0 K/UL* Agranulocytosis AND	IPP	14 days	First of the two	Agranulocytosis	IPP	183	2
18	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL* Agranulocytosis AND	IPP	14 days	First of the two	Agranulocytosis	IPP	183	2
19	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL* Agranulocytosis AND	IPP	14 days	First of the two	Agranulocytosis	IPP	183	2
20	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL* Agranulocytosis AND	IPP	14 days	First of the two	Agranulocytosis	IPP	183	2
21	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL* Agranulocytosis AND	IPP	14 days	First of the two	Agranulocytosis	IPP	183	2
22	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥1.5 K/UL* Agranulocytosis AND	IPP	14 days	First of the two	Agranulocytosis	IPP	183	2
23	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥1.5 K/UL* Agranulocytosis AND	IPP	14 days	First of the two	Agranulocytosis	IPP	183	2
24	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥1.5 K/UL* Agranulocytosis AND	IPP	14 days	First of the two	Agranulocytosis	IPP	183	2
25	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥ 0 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
26	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥ 0 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
27	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥ 0 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
28	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥ 0 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
29	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value < 0.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
30	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value < 0.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
31	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value < 0.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
32	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value < 0.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
33	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-<1.0 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
34	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-<1.0 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
35	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-<1.0 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
36	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-<1.0 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
37	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
38	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
39	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
40	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
41	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥1.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
42	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥1.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
43	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥1.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2
44	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥1.5 K/UL*	Any	N/A	Lab result	Agranulocytosis	IPP	183	2

Drug/Exposure										Event/Outcome							
Scenario	Incident exposure	Incident w/ respect to:	Washout (days)	Cohort Definition	Episode Gap	Extension Period	Days Supplied	Episode Duration	Truncation by Incident	Event	Setting/ PDX	Time Window	Event Date	Incident w/ respect to:	Care Setting/P	Washout (days)	Event De-duplication
45	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value < 0.5 K/UL*	Any	N/A	Lab result	ANC value < 0.5 K/UL*	Any	183	2
46	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value < 0.5 K/UL*	Any	N/A	Lab result	ANC value < 0.5 K/UL*	Any	183	2
47	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value < 0.5 K/UL*	Any	N/A	Lab result	ANC value < 0.5 K/UL*	Any	183	2
48	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value < 0.5 K/UL*	Any	N/A	Lab result	ANC value < 0.5 K/UL*	Any	183	2
49	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-< 1.0 K/UL*	Any	N/A	Lab result	ANC value < 1.0 K/UL*	Any	183	2
50	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-< 1.0 K/UL*	Any	N/A	Lab result	ANC value < 1.0 K/UL*	Any	183	2
51	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-< 1.0 K/UL*	Any	N/A	Lab result	ANC value < 1.0 K/UL*	Any	183	2
52	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 0.5-< 1.0 K/UL*	Any	N/A	Lab result	ANC value < 1.0 K/UL*	Any	183	2
53	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL*	Any	N/A	Lab result	ANC value < 1.5 K/UL*	Any	183	2
54	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL*	Any	N/A	Lab result	ANC value < 1.5 K/UL*	Any	183	2
55	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL*	Any	N/A	Lab result	ANC value < 1.5 K/UL*	Any	183	2
56	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value 1.0-< 1.5 K/UL*	Any	N/A	Lab result	ANC value < 1.5 K/UL*	Any	183	2
57	Levetiracetam	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥ 1.5 K/UL*	Any	N/A	Lab result	ANC value < 1.5 K/UL*	Any	183	2
58	Lamotrigine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥ 1.5 K/UL*	Any	N/A	Lab result	ANC value < 1.5 K/UL*	Any	183	2
59	Topiramate	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥ 1.5 K/UL*	Any	N/A	Lab result	ANC value < 1.5 K/UL*	Any	183	2
60	Carbamazepine	All Oral AEDs	183	01 (SING)	10	10	1	1	YES	ANC value ≥ 1.5 K/UL*	Any	N/A	Lab result	ANC value < 1.5 K/UL*	Any	183	2

*In addition to K/UL, all ANC laboratory results in this request will include values where result unit is UNKNOWN.

Glossary of Terms in Modular Program 3*

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per NDC per dispensing. This is equivalent to the "RxAmt" value in the Mini-Sentinel Common Data Model.

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).

Cohort Definition (drug/exposure)- Indicates how the cohort will be defined: (1) 01: Cohort includes only the first valid incident treatment episode during the query period; (2) 02: Cohort includes all valid incident treatment episodes during the query period; (3) 03: Cohort includes all valid incident treatment episodes during the query period until an event occurs

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

Years at Risk - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.23.

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.

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 MP algorithm: A value of 0 counts all occurrences of an event group code of interest; a value of 1 de-duplicates occurrences of the same event code on the same day (i.e., de-duplicates at the exact match code level); and a value of 2 de-duplicates occurrences of the same event group code on the same day (e.g., de-duplicates at the GROUP level).

Exposure Extension Period - number of days post treatment period in which the outcomes/events are counted for a treatment episode.

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

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 365.23.

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

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

New Episodes with Events - number of unique episodes during which at least one incident event occurs. Each episode may only be counted once.

New Users - number of members with incident exposure during the query period. Member must have no evidence of exposure (s) of interest (defined by incidence criteria) in the prior washout period. A user may only be counted once in a query period.

Number of Events - total number of incident events. An individual or a treatment episode can have more than one incident event provided that the incident event meets the event incidence criteria.

Principal Diagnosis (PDX) - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. YES will only consider diagnoses flagged as Principal

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

Treatment Episode Truncation Indicator - indicates whether observation of the incident query code during follow-up requires truncation of valid treatment episodes. A value of Y indicates that the treatment episodes should be truncated at the first occurrence of an incident query code. A value of N indicates that the treatment episodes should not be truncated at the occurrence of the incident query 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 before the incident exposure 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 354.23.

*all terms may not be used in this report

**incident treatment episodes must be incident to both the exposure and the event

Table 1. Summary of Anti-Epileptic Drug use and Events in the MSDD between January 1, 2006 and June 30, 2013, by Drug Product and Event Definition

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Carbamazepine														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only	34,287	34,287	85,348	3,192,850	8,939,196	9,625.7	4	42,064,146	112,397,813.4	0.82	93.12	2.49	37.41	4.16
Agranulocytosis and ANC value ≥ 0 K/UL	34,287	34,287	85,348	3,192,850	8,939,196	9,626.3	0	42,064,144	112,397,776.8	0.82	93.12	2.49	37.41	0.00
Agranulocytosis and ANC value ≥ 1.5 K/UL	34,287	34,287	85,348	3,192,850	8,939,196	9,626.3	0	42,064,145	112,397,785.7	0.82	93.12	2.49	37.41	0.00
Agranulocytosis and ANC value 1.0 - <1.5 K/UL	34,287	34,287	85,348	3,192,850	8,939,196	9,626.3	0	42,064,146	112,397,809.7	0.82	93.12	2.49	37.41	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL	34,287	34,287	85,348	3,192,850	8,939,196	9,626.3	0	42,064,146	112,397,809.2	0.82	93.12	2.49	37.41	0.00
Agranulocytosis and ANC value < 0.5 K/UL	34,287	34,287	85,348	3,192,850	8,939,196	9,626.3	0	42,064,145	112,397,808.2	0.82	93.12	2.49	37.41	0.00
ANC value ≥ 0 K/UL	29,637	29,637	74,569	2,780,122	7,840,058	7,040.2	3,091	41,783,245	105,041,741.7	0.71	93.81	2.52	37.28	4390.49
ANC value ≥1.5 K/UL	29,686	29,686	74,715	2,785,648	7,853,900	7,060.2	3,068	41,788,891	105,122,405.9	0.71	93.84	2.52	37.28	4345.51
ANC value 1.0- <1.5 K/UL	34,233	34,233	85,256	3,188,962	8,930,912	9,558.3	84	42,061,479	112,302,684.4	0.81	93.15	2.49	37.40	87.88
ANC value 0.5 - <1.0 K/UL	34,271	34,271	85,329	3,192,306	8,937,782	9,615.2	12	42,063,367	112,373,729.7	0.81	93.15	2.49	37.41	12.48
ANC value < 0.5 K/UL	34,281	34,281	85,341	3,192,712	8,938,890	9,623.7	8	42,063,894	112,389,156.2	0.81	93.13	2.49	37.41	8.31
<i>Incident with respect to ANC value*</i>														
ANC value ≥1.5 K/UL	29,637	29,637	74,569	2,780,122	7,840,058	7,050.9	3,060	41,783,528	105,045,106.0	0.71	93.81	2.52	37.28	4339.85
ANC value 1.0- <1.5 K/UL	34,209	34,209	85,159	3,185,566	8,917,541	9,548.9	82	42,060,025	112,267,951.5	0.81	93.12	2.49	37.41	85.87
ANC value 0.5 - <1.0 K/UL	34,266	34,266	85,259	3,190,155	8,932,636	9,609.1	12	42,063,338	112,369,190.6	0.81	93.10	2.49	37.42	12.49
ANC value < 0.5 K/UL	34,281	34,281	85,341	3,192,712	8,938,890	9,623.7	8	42,064,169	112,393,256.6	0.81	93.13	2.49	37.41	8.31
Lamotrigine														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only	94,627	94,627	379,708	13,475,940	23,710,752	39,576.2	2	42,064,160	112,373,358.0	2.25	142.41	4.01	35.49	0.51
Agranulocytosis and ANC value ≥ 0 K/UL	94,627	94,627	379,708	13,475,940	23,710,752	39,576.6	0	42,064,158	112,373,321.3	2.25	142.41	4.01	35.49	0.00
Agranulocytosis and ANC value ≥ 1.5 K/UL	94,627	94,627	379,708	13,475,940	23,710,752	39,576.6	0	42,064,159	112,373,330.2	2.25	142.41	4.01	35.49	0.00
Agranulocytosis and ANC value 1.0 - <1.5 K/UL	94,627	94,627	379,708	13,475,940	23,710,752	39,576.6	0	42,064,160	112,373,354.3	2.25	142.41	4.01	35.49	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL	94,627	94,627	379,708	13,475,940	23,710,752	39,576.6	0	42,064,160	112,373,353.8	2.25	142.41	4.01	35.49	0.00
Agranulocytosis and ANC value < 0.5 K/UL	94,627	94,627	379,708	13,475,940	23,710,752	39,576.6	0	42,064,159	112,373,352.8	2.25	142.41	4.01	35.49	0.00
ANC value ≥ 0 K/UL	83,738	83,738	337,075	11,865,774	20,813,651	31,339.6	5,812	41,783,262	105,019,921.4	2.00	141.70	4.03	35.20	1854.52
ANC value ≥1.5 K/UL	83,817	83,817	337,403	11,876,828	20,836,533	31,390.5	5,778	41,788,908	105,100,582.3	2.01	141.70	4.03	35.20	1840.69
ANC value 1.0- <1.5 K/UL	94,522	94,522	379,333	13,461,029	23,678,340	39,481.6	81	42,061,493	112,278,241.3	2.25	142.41	4.01	35.49	20.52
ANC value 0.5 - <1.0 K/UL	94,604	94,604	379,646	13,473,004	23,704,211	39,559.3	20	42,063,381	112,349,272.8	2.25	142.41	4.01	35.49	5.06
ANC value < 0.5 K/UL	94,619	94,619	379,661	13,473,975	23,705,532	39,570.7	3	42,063,908	112,364,696.4	2.25	142.40	4.01	35.49	0.76
<i>Incident with respect to ANC value*</i>														
ANC value ≥1.5 K/UL	83,740	83,740	337,077	11,865,854	20,813,780	31,364.9	5,767	41,783,545	105,023,284.2	2.00	141.70	4.03	35.20	1838.68
ANC value 1.0- <1.5 K/UL	94,488	94,488	379,094	13,453,244	23,657,236	39,460.6	79	42,060,039	112,243,500.5	2.25	142.38	4.01	35.49	20.02
ANC value 0.5 - <1.0 K/UL	94,599	94,599	379,594	13,470,894	23,698,460	39,553.2	20	42,063,352	112,344,727.1	2.25	142.40	4.01	35.49	5.06
ANC value < 0.5 K/UL	94,621	94,621	379,663	13,474,055	23,705,661	39,571.0	3	42,064,183	112,368,794.0	2.25	142.40	4.01	35.49	0.76

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Levetiracetam - Agranulocytosis (incident with respect to agranulocytosis)														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only	54,765	54,765	225,778	7,943,848	22,476,926	23,086.1	48	42,064,160	112,407,541.8	1.30	145.05	4.12	35.18	20.79
Agranulocytosis and ANC value ≥ 0 K/UL	54,764	54,764	225,776	7,943,803	22,476,836	23,107.6	8	42,064,158	112,407,505.2	1.30	145.06	4.12	35.18	3.46
Agranulocytosis and ANC value ≥ 1.5 K/UL	54,764	54,764	225,776	7,943,803	22,476,836	23,107.6	8	42,064,159	112,407,514.0	1.30	145.06	4.12	35.18	3.46
Agranulocytosis and ANC value 1.0 - <1.5 K/UL	54,765	54,765	225,778	7,943,848	22,476,926	23,108.2	1	42,064,160	112,407,538.1	1.30	145.05	4.12	35.18	0.43
Agranulocytosis and ANC value 0.5 - <1.0 K/UL	54,765	54,765	225,778	7,943,848	22,476,926	23,108.2	1	42,064,160	112,407,537.6	1.30	145.05	4.12	35.18	0.43
Agranulocytosis and ANC value < 0.5 K/UL	54,765	54,765	225,778	7,943,848	22,476,926	23,108.2	3	42,064,159	112,407,536.6	1.30	145.05	4.12	35.18	1.30
ANC value ≥ 0 K/UL	43,530	43,530	185,756	6,322,732	18,134,507	16,214.6	3,641	41,783,262	105,049,784.7	1.04	145.25	4.27	34.04	2245.50
ANC value ≥1.5 K/UL	43,632	43,632	186,189	6,338,802	18,186,819	16,276.9	3,614	41,788,908	105,130,461.1	1.04	145.28	4.27	34.04	2220.33
ANC value 1.0- <1.5 K/UL	54,538	54,538	224,973	7,912,543	22,371,492	22,908.3	200	42,061,493	112,312,459.2	1.30	145.08	4.13	35.17	87.30
ANC value 0.5 - <1.0 K/UL	54,671	54,671	225,458	7,933,409	22,436,699	23,039.6	81	42,063,381	112,383,479.8	1.30	145.11	4.12	35.19	35.16
ANC value < 0.5 K/UL	54,704	54,704	225,598	7,937,473	22,452,307	23,076.9	42	42,063,908	112,398,906.5	1.30	145.10	4.12	35.18	18.20
<i>Incident with respect to ANC value*</i>														
ANC value ≥1.5 K/UL	43,587	43,587	185,877	6,326,478	18,146,165	16,254.0	3,594	41,783,545	105,053,129.0	1.04	145.15	4.26	34.04	2211.15
ANC value 1.0- <1.5 K/UL	54,502	54,502	224,761	7,904,934	22,341,652	22,888.5	188	42,060,039	112,277,705.6	1.30	145.04	4.12	35.17	82.14
ANC value 0.5 - <1.0 K/UL	54,687	54,687	225,447	7,932,217	22,427,391	23,038.1	78	42,063,352	112,378,928.5	1.30	145.05	4.12	35.18	33.86
ANC value < 0.5 K/UL	54,768	54,768	225,736	7,941,608	22,464,726	23,089.4	43	42,064,183	112,402,977.0	1.30	145.00	4.12	35.18	18.62
Topiramate - Agranulocytosis (incident with respect to agranulocytosis)														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only	184,216	184,216	499,640	17,495,903	37,079,307	53,203.1	8	42,064,160	112,273,507.6	4.38	94.97	2.71	35.02	1.50
Agranulocytosis and ANC value ≥ 0 K/UL	184,216	184,216	499,640	17,495,903	37,079,307	53,203.7	0	42,064,158	112,273,471.0	4.38	94.97	2.71	35.02	0.00
Agranulocytosis and ANC value ≥ 1.5 K/UL	184,216	184,216	499,640	17,495,903	37,079,307	53,203.7	0	42,064,159	112,273,479.8	4.38	94.97	2.71	35.02	0.00
Agranulocytosis and ANC value 1.0 - <1.5 K/UL	184,216	184,216	499,640	17,495,903	37,079,307	53,203.7	0	42,064,160	112,273,503.9	4.38	94.97	2.71	35.02	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL	184,216	184,216	499,640	17,495,903	37,079,307	53,203.7	0	42,064,159	112,273,502.4	4.38	94.97	2.71	35.02	0.00
Agranulocytosis and ANC value < 0.5 K/UL	184,216	184,216	499,640	17,495,903	37,079,307	53,203.7	0	42,064,160	112,273,503.4	4.38	94.97	2.71	35.02	0.00
ANC value ≥ 0 K/UL	162,127	162,127	443,499	15,440,944	32,748,577	43,006.2	9,844	41,783,262	104,939,847.5	3.88	95.24	2.74	34.82	2288.97
ANC value ≥1.5 K/UL	162,270	162,270	443,890	15,454,111	32,780,440	43,055.5	9,804	41,788,908	105,020,405.9	3.88	95.24	2.74	34.82	2277.06
ANC value 1.0- <1.5 K/UL	184,038	184,038	499,131	17,477,097	37,036,612	53,103.5	100	42,061,493	112,178,561.7	4.38	94.96	2.71	35.02	18.83
ANC value 0.5 - <1.0 K/UL	184,174	184,174	499,548	17,492,068	37,070,320	53,180.4	26	42,063,381	112,249,450.2	4.38	94.98	2.71	35.02	4.89
ANC value < 0.5 K/UL	184,209	184,209	499,621	17,495,120	37,077,996	53,198.3	14	42,063,908	112,264,854.1	4.38	94.97	2.71	35.02	2.63
<i>Incident with respect to ANC value*</i>														
ANC value ≥1.5 K/UL	162,130	162,130	443,503	15,441,039	32,748,898	43,024.4	9,775	41,783,545	104,943,208.6	3.88	95.24	2.74	34.82	2271.97
ANC value 1.0- <1.5 K/UL	183,976	183,976	498,991	17,472,336	37,025,783	53,089.5	99	42,060,039	112,143,889.1	4.37	94.97	2.71	35.02	18.65
ANC value 0.5 - <1.0 K/UL	184,171	184,171	499,536	17,491,572	37,069,639	53,179.0	26	42,063,352	112,244,914.8	4.38	94.97	2.71	35.02	4.89
ANC value < 0.5 K/UL	184,212	184,212	499,625	17,495,215	37,078,317	53,198.6	14	42,064,183	112,268,949.7	4.38	94.97	2.71	35.02	2.63

*Incidence with respect to ANC value is defined by ANC values of the same or "worse" ANC category (i.e., a value 0.5 - <1.0 K/UL must be incident with respect to a value < 1.0 K/UL). See specifications for more details.

Table 2. Summary of Anti-Epileptic Drug use and Events in the MSDD between January 1, 2006 and June 30, 2013, by Drug Product, Event Definition, and Age Group

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Carbamazepine														
<i>Incident with respect to agranulocytosis</i>														
<i>Agranulocytosis only</i>														
00 to 18 Years	2,693	2,693	10,876	398,990	1,562,681	1,166.1	1	10,179,587	25,291,777.8	0.26	148.16	4.04	36.69	8.58
19 to 44 Years	9,518	9,518	22,886	800,451	2,207,727	2,441.8	0	17,779,190	37,388,702.4	0.54	84.10	2.40	34.98	0.00
45 to 64 Years	12,229	12,229	29,091	1,094,499	2,973,525	3,309.1	2	12,182,219	32,822,871.0	1.00	89.50	2.38	37.62	6.04
65+ Years	9,847	9,847	22,495	898,910	2,195,263	2,708.7	1	5,770,348	16,894,462.2	1.71	91.29	2.28	39.96	3.69
<i>Agranulocytosis and ANC value ≥ 0 K/UL</i>														
00 to 18 Years	2,693	2,693	10,876	398,990	1,562,681	1,166.3	0	10,179,587	25,291,773.7	0.26	148.16	4.04	36.69	0.00
19 to 44 Years	9,518	9,518	22,886	800,451	2,207,727	2,441.8	0	17,779,190	37,388,698.6	0.54	84.10	2.40	34.98	0.00
45 to 64 Years	12,229	12,229	29,091	1,094,499	2,973,525	3,309.5	0	12,182,217	32,822,858.9	1.00	89.50	2.38	37.62	0.00
65+ Years	9,847	9,847	22,495	898,910	2,195,263	2,708.8	0	5,770,348	16,894,445.6	1.71	91.29	2.28	39.96	0.00
<i>Agranulocytosis and ANC value ≥ 1.5 K/UL</i>														
00 to 18 Years	2,693	2,693	10,876	398,990	1,562,681	1,166.3	0	10,179,587	25,291,775.6	0.26	148.16	4.04	36.69	0.00
19 to 44 Years	9,518	9,518	22,886	800,451	2,207,727	2,441.8	0	17,779,190	37,388,699.5	0.54	84.10	2.40	34.98	0.00
45 to 64 Years	12,229	12,229	29,091	1,094,499	2,973,525	3,309.5	0	12,182,218	32,822,861.1	1.00	89.50	2.38	37.62	0.00
65+ Years	9,847	9,847	22,495	898,910	2,195,263	2,708.8	0	5,770,348	16,894,449.5	1.71	91.29	2.28	39.96	0.00
<i>Agranulocytosis and ANC value 1.0 - <1.5 K/UL</i>														
00 to 18 Years	2,693	2,693	10,876	398,990	1,562,681	1,166.3	0	10,179,587	25,291,777.0	0.26	148.16	4.04	36.69	0.00
19 to 44 Years	9,518	9,518	22,886	800,451	2,207,727	2,441.8	0	17,779,190	37,388,702.1	0.54	84.10	2.40	34.98	0.00
45 to 64 Years	12,229	12,229	29,091	1,094,499	2,973,525	3,309.5	0	12,182,219	32,822,869.8	1.00	89.50	2.38	37.62	0.00
65+ Years	9,847	9,847	22,495	898,910	2,195,263	2,708.8	0	5,770,348	16,894,460.8	1.71	91.29	2.28	39.96	0.00
<i>Agranulocytosis and ANC value 0.5 - <1.0 K/UL</i>														
00 to 18 Years	2,693	2,693	10,876	398,990	1,562,681	1,166.3	0	10,179,587	25,291,776.7	0.26	148.16	4.04	36.69	0.00
19 to 44 Years	9,518	9,518	22,886	800,451	2,207,727	2,441.8	0	17,779,190	37,388,702.0	0.54	84.10	2.40	34.98	0.00
45 to 64 Years	12,229	12,229	29,091	1,094,499	2,973,525	3,309.5	0	12,182,219	32,822,869.6	1.00	89.50	2.38	37.62	0.00
65+ Years	9,847	9,847	22,495	898,910	2,195,263	2,708.8	0	5,770,348	16,894,460.9	1.71	91.29	2.28	39.96	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Agranulocytosis and ANC value < 0.5 K/UL														
00 to 18 Years	2,693	2,693	10,876	398,990	1,562,681	1,166.3	0	10,179,587	25,291,776.9	0.26	148.16	4.04	36.69	0.00
19 to 44 Years	9,518	9,518	22,886	800,451	2,207,727	2,441.8	0	17,779,190	37,388,701.8	0.54	84.10	2.40	34.98	0.00
45 to 64 Years	12,229	12,229	29,091	1,094,499	2,973,525	3,309.5	0	12,182,218	32,822,869.8	1.00	89.50	2.38	37.62	0.00
65+ Years	9,847	9,847	22,495	898,910	2,195,263	2,708.8	0	5,770,348	16,894,459.7	1.71	91.29	2.28	39.96	0.00
ANC value ≥ 0 K/UL														
00 to 18 Years	2,501	2,501	9,952	362,808	1,440,919	846.5	332	10,164,215	24,819,282.8	0.25	145.07	3.98	36.46	3921.97
19 to 44 Years	8,424	8,424	20,305	705,775	1,945,329	1,815.2	852	17,656,150	35,440,103.7	0.48	83.78	2.41	34.76	4693.76
45 to 64 Years	10,565	10,565	25,263	948,387	2,581,525	2,405.0	1,079	12,072,406	30,217,139.3	0.88	89.77	2.39	37.54	4486.54
65+ Years	8,147	8,147	19,049	763,152	1,872,285	1,973.6	828	5,671,077	14,565,216.0	1.44	93.67	2.34	40.06	4195.47
ANC value ≥1.5 K/UL														
00 to 18 Years	2,508	2,508	10,027	365,127	1,446,846	854.1	324	10,164,896	24,833,428.7	0.25	145.58	4.00	36.41	3793.60
19 to 44 Years	8,434	8,434	20,317	706,370	1,946,969	1,817.3	847	17,657,835	35,457,530.7	0.48	83.75	2.41	34.77	4660.64
45 to 64 Years	10,580	10,580	25,303	950,459	2,586,968	2,410.0	1,072	12,074,657	30,247,091.4	0.88	89.84	2.39	37.56	4448.04
65+ Years	8,164	8,164	19,068	763,692	1,873,117	1,978.7	825	5,673,092	14,584,355.1	1.44	93.54	2.34	40.05	4169.40
ANC value 1.0- <1.5 K/UL														
00 to 18 Years	2,689	2,689	10,869	398,750	1,562,066	1,138.4	27	10,179,195	25,280,201.3	0.26	148.29	4.04	36.69	237.18
19 to 44 Years	9,509	9,509	22,873	799,700	2,206,051	2,429.0	17	17,778,294	37,370,776.0	0.53	84.10	2.41	34.96	69.99
45 to 64 Years	12,209	12,209	29,038	1,092,201	2,969,024	3,295.0	26	12,181,057	32,786,893.0	1.00	89.46	2.38	37.61	78.91
65+ Years	9,826	9,826	22,476	898,311	2,193,771	2,696.0	14	5,769,457	16,864,814.1	1.70	91.42	2.29	39.97	51.93
ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	2,689	2,689	10,871	398,894	1,562,239	1,158.9	5	10,179,447	25,288,169.2	0.26	148.34	4.04	36.69	43.14
19 to 44 Years	9,515	9,515	22,882	800,261	2,207,317	2,441.1	1	17,778,957	37,384,866.8	0.54	84.11	2.40	34.97	4.10
45 to 64 Years	12,226	12,226	29,088	1,094,419	2,973,285	3,309.0	3	12,181,920	32,814,132.6	1.00	89.52	2.38	37.62	9.07
65+ Years	9,841	9,841	22,488	898,732	2,194,941	2,706.2	3	5,770,035	16,886,561.0	1.71	91.33	2.29	39.96	11.09
ANC value < 0.5 K/UL														
00 to 18 Years	2,692	2,692	10,875	398,989	1,562,679	1,165.4	4	10,179,545	25,290,743.6	0.26	148.21	4.04	36.69	34.32
19 to 44 Years	9,518	9,518	22,886	800,451	2,207,727	2,441.8	0	17,779,140	37,387,709.3	0.54	84.10	2.40	34.98	0.00
45 to 64 Years	12,229	12,229	29,091	1,094,499	2,973,525	3,308.4	2	12,182,123	32,820,381.9	1.00	89.50	2.38	37.62	6.05
65+ Years	9,842	9,842	22,489	898,773	2,194,959	2,708.2	2	5,770,219	16,890,321.4	1.71	91.32	2.29	39.97	7.39

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
<i>Incident with respect to ANC value*</i>														
ANC value ≥ 1.5 K/UL														
00 to 18 Years	2,501	2,501	9,952	362,808	1,440,919	852.7	323	10,164,259	24,819,962.8	0.25	145.07	3.98	36.46	3787.92
19 to 44 Years	8,424	8,424	20,305	705,775	1,945,329	1,815.6	845	17,656,181	35,440,447.5	0.48	83.78	2.41	34.76	4654.20
45 to 64 Years	10,565	10,565	25,263	948,387	2,581,525	2,405.8	1,068	12,072,523	30,218,138.5	0.88	89.77	2.39	37.54	4439.30
65+ Years	8,147	8,147	19,049	763,152	1,872,285	1,976.9	824	5,671,209	14,566,557.3	1.44	93.67	2.34	40.06	4168.19
ANC value 1.0- <1.5 K/UL														
00 to 18 Years	2,684	2,684	10,799	396,610	1,556,692	1,132.4	27	10,178,946	25,274,147.3	0.26	147.77	4.02	36.73	238.44
19 to 44 Years	9,504	9,504	22,868	799,550	2,205,751	2,428.4	17	17,777,736	37,362,959.1	0.53	84.13	2.41	34.96	70.00
45 to 64 Years	12,202	12,202	29,025	1,091,297	2,961,676	3,292.9	24	12,180,499	32,774,026.5	1.00	89.44	2.38	37.60	72.88
65+ Years	9,819	9,819	22,467	898,109	2,193,422	2,695.3	14	5,769,038	16,856,818.6	1.70	91.47	2.29	39.97	51.94
ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	2,688	2,688	10,806	396,850	1,557,307	1,153.2	5	10,179,427	25,287,585.8	0.26	147.64	4.02	36.72	43.36
19 to 44 Years	9,515	9,515	22,882	800,261	2,207,317	2,441.1	1	17,778,925	37,383,985.7	0.54	84.11	2.40	34.97	4.10
45 to 64 Years	12,226	12,226	29,088	1,094,419	2,973,285	3,309.0	3	12,181,923	32,812,788.4	1.00	89.52	2.38	37.62	9.07
65+ Years	9,837	9,837	22,483	898,625	2,194,727	2,705.8	3	5,770,029	16,884,830.7	1.70	91.35	2.29	39.97	11.09
ANC value < 0.5 K/UL														
00 to 18 Years	2,692	2,692	10,875	398,989	1,562,679	1,165.4	4	10,179,586	25,291,507.1	0.26	148.21	4.04	36.69	34.32
19 to 44 Years	9,518	9,518	22,886	800,451	2,207,727	2,441.8	0	17,779,173	37,388,135.2	0.54	84.10	2.40	34.98	0.00
45 to 64 Years	12,229	12,229	29,091	1,094,499	2,973,525	3,308.4	2	12,182,243	32,821,634.1	1.00	89.50	2.38	37.62	6.05
65+ Years	9,842	9,842	22,489	898,773	2,194,959	2,708.2	2	5,770,346	16,891,980.1	1.71	91.32	2.29	39.97	7.39

Lamotrigine

Incident with respect to agranulocytosis

Agranulocytosis only

00 to 18 Years	15,511	15,511	65,953	2,248,470	4,377,225	6,615.2	1	10,179,587	25,287,090.0	1.52	144.96	4.25	34.09	1.51
19 to 44 Years	48,546	48,546	181,165	6,175,607	10,515,382	18,287.6	1	17,775,948	37,365,365.3	2.73	127.21	3.73	34.09	0.55
45 to 64 Years	25,292	25,292	110,400	4,161,370	7,187,322	12,094.5	0	12,181,028	32,818,533.9	2.08	164.53	4.37	37.69	0.00
65+ Years	5,278	5,278	22,190	890,493	1,630,823	2,578.9	0	5,770,424	16,902,368.8	0.91	168.72	4.20	40.13	0.00

Agranulocytosis and ANC value ≥ 0 K/UL

00 to 18 Years	15,511	15,511	65,953	2,248,470	4,377,225	6,615.6	0	10,179,587	25,287,085.9	1.52	144.96	4.25	34.09	0.00
19 to 44 Years	48,546	48,546	181,165	6,175,607	10,515,382	18,287.6	0	17,775,948	37,365,361.4	2.73	127.21	3.73	34.09	0.00
45 to 64 Years	25,292	25,292	110,400	4,161,370	7,187,322	12,094.5	0	12,181,026	32,818,521.7	2.08	164.53	4.37	37.69	0.00
65+ Years	5,278	5,278	22,190	890,493	1,630,823	2,578.9	0	5,770,424	16,902,352.2	0.91	168.72	4.20	40.13	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Agranulocytosis and ANC value \geq 1.5 K/UL														
00 to 18 Years	15,511	15,511	65,953	2,248,470	4,377,225	6,615.6	0	10,179,587	25,287,087.8	1.52	144.96	4.25	34.09	0.00
19 to 44 Years	48,546	48,546	181,165	6,175,607	10,515,382	18,287.6	0	17,775,948	37,365,362.4	2.73	127.21	3.73	34.09	0.00
45 to 64 Years	25,292	25,292	110,400	4,161,370	7,187,322	12,094.5	0	12,181,027	32,818,523.9	2.08	164.53	4.37	37.69	0.00
65+ Years	5,278	5,278	22,190	890,493	1,630,823	2,578.9	0	5,770,424	16,902,356.1	0.91	168.72	4.20	40.13	0.00
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
00 to 18 Years	15,511	15,511	65,953	2,248,470	4,377,225	6,615.6	0	10,179,587	25,287,089.2	1.52	144.96	4.25	34.09	0.00
19 to 44 Years	48,546	48,546	181,165	6,175,607	10,515,382	18,287.6	0	17,775,948	37,365,365.0	2.73	127.21	3.73	34.09	0.00
45 to 64 Years	25,292	25,292	110,400	4,161,370	7,187,322	12,094.5	0	12,181,028	32,818,532.7	2.08	164.53	4.37	37.69	0.00
65+ Years	5,278	5,278	22,190	890,493	1,630,823	2,578.9	0	5,770,424	16,902,367.4	0.91	168.72	4.20	40.13	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	15,511	15,511	65,953	2,248,470	4,377,225	6,615.6	0	10,179,587	25,287,088.9	1.52	144.96	4.25	34.09	0.00
19 to 44 Years	48,546	48,546	181,165	6,175,607	10,515,382	18,287.6	0	17,775,948	37,365,364.9	2.73	127.21	3.73	34.09	0.00
45 to 64 Years	25,292	25,292	110,400	4,161,370	7,187,322	12,094.5	0	12,181,028	32,818,532.5	2.08	164.53	4.37	37.69	0.00
65+ Years	5,278	5,278	22,190	890,493	1,630,823	2,578.9	0	5,770,424	16,902,367.5	0.91	168.72	4.20	40.13	0.00
Agranulocytosis and ANC value < 0.5 K/UL														
00 to 18 Years	15,511	15,511	65,953	2,248,470	4,377,225	6,615.6	0	10,179,587	25,287,089.1	1.52	144.96	4.25	34.09	0.00
19 to 44 Years	48,546	48,546	181,165	6,175,607	10,515,382	18,287.6	0	17,775,948	37,365,364.7	2.73	127.21	3.73	34.09	0.00
45 to 64 Years	25,292	25,292	110,400	4,161,370	7,187,322	12,094.5	0	12,181,027	32,818,532.6	2.08	164.53	4.37	37.69	0.00
65+ Years	5,278	5,278	22,190	890,493	1,630,823	2,578.9	0	5,770,424	16,902,366.3	0.91	168.72	4.20	40.13	0.00
ANC value \geq 0 K/UL														
00 to 18 Years	14,233	14,233	60,359	2,028,937	3,939,681	5,498.5	763	10,164,215	24,815,075.2	1.40	142.55	4.24	33.61	1387.66
19 to 44 Years	43,476	43,476	163,249	5,536,819	9,386,010	14,900.8	2,767	17,653,209	35,420,442.8	2.46	127.35	3.75	33.92	1856.95
45 to 64 Years	21,722	21,722	95,360	3,578,953	6,166,176	9,084.7	1,905	12,071,382	30,213,682.6	1.80	164.76	4.39	37.53	2096.94
65+ Years	4,307	4,307	18,107	721,065	1,321,785	1,855.7	377	5,671,178	14,570,720.8	0.76	167.42	4.20	39.82	2031.57
ANC value \geq 1.5 K/UL														
00 to 18 Years	14,247	14,247	60,461	2,032,056	3,945,883	5,514.0	752	10,164,896	24,829,219.7	1.40	142.63	4.24	33.61	1363.81
19 to 44 Years	43,512	43,512	163,327	5,540,052	9,391,203	14,922.1	2,748	17,654,890	35,437,846.8	2.46	127.32	3.75	33.92	1841.56
45 to 64 Years	21,749	21,749	95,456	3,582,122	6,173,153	9,093.8	1,902	12,073,629	30,243,637.3	1.80	164.70	4.39	37.53	2091.54
65+ Years	4,309	4,309	18,159	722,598	1,326,294	1,860.6	376	5,673,193	14,589,878.5	0.76	167.70	4.21	39.79	2020.90
ANC value 1.0- <1.5 K/UL														
00 to 18 Years	15,497	15,497	65,915	2,246,701	4,373,866	6,602.1	13	10,179,195	25,275,519.0	1.52	144.98	4.25	34.08	19.69
19 to 44 Years	48,502	48,502	181,042	6,170,213	10,504,073	18,252.9	31	17,775,056	37,347,472.6	2.73	127.22	3.73	34.08	16.98
45 to 64 Years	25,251	25,251	110,250	4,155,627	7,174,720	12,059.6	27	12,179,869	32,782,561.4	2.07	164.57	4.37	37.69	22.39
65+ Years	5,272	5,272	22,126	888,488	1,625,682	2,567.1	10	5,769,531	16,872,688.4	0.91	168.53	4.20	40.16	38.96

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	15,507	15,507	65,948	2,248,200	4,376,825	6,610.1	5	10,179,447	25,283,485.1	1.52	144.98	4.25	34.09	7.56
19 to 44 Years	48,540	48,540	181,152	6,175,224	10,514,826	18,285.3	6	17,775,716	37,361,535.2	2.73	127.22	3.73	34.09	3.28
45 to 64 Years	25,280	25,280	110,357	4,159,115	7,181,807	12,086.3	7	12,180,731	32,809,798.0	2.08	164.52	4.37	37.69	5.79
65+ Years	5,277	5,277	22,189	890,465	1,630,753	2,577.6	2	5,770,112	16,894,454.5	0.91	168.74	4.20	40.13	7.76
ANC value < 0.5 K/UL														
00 to 18 Years	15,510	15,510	65,958	2,248,620	4,377,399	6,616.0	0	10,179,545	25,286,056.1	1.52	144.98	4.25	34.09	0.00
19 to 44 Years	48,544	48,544	181,163	6,175,547	10,515,322	18,287.2	1	17,775,898	37,364,373.3	2.73	127.22	3.73	34.09	0.55
45 to 64 Years	25,288	25,288	110,360	4,159,615	7,183,368	12,089.4	2	12,180,933	32,816,045.1	2.08	164.49	4.36	37.69	1.65
65+ Years	5,277	5,277	22,180	890,193	1,629,443	2,578.0	0	5,770,297	16,898,221.9	0.91	168.69	4.20	40.13	0.00
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
00 to 18 Years	14,233	14,233	60,359	2,028,937	3,939,681	5,506.9	750	10,164,259	24,815,754.6	1.40	142.55	4.24	33.61	1361.92
19 to 44 Years	43,477	43,477	163,250	5,536,887	9,386,115	14,913.3	2,744	17,653,240	35,420,786.3	2.46	127.35	3.75	33.92	1839.96
45 to 64 Years	21,722	21,722	95,360	3,578,953	6,166,176	9,088.1	1,898	12,071,499	30,214,681.0	1.80	164.76	4.39	37.53	2088.44
65+ Years	4,308	4,308	18,108	721,077	1,321,809	1,856.5	375	5,671,310	14,572,062.2	0.76	167.38	4.20	39.82	2019.95
ANC value 1.0- <1.5 K/UL														
00 to 18 Years	15,487	15,487	65,797	2,243,272	4,362,369	6,592.3	13	10,178,946	25,269,467.1	1.52	144.85	4.25	34.09	19.72
19 to 44 Years	48,492	48,492	181,002	6,169,067	10,502,845	18,249.5	31	17,774,499	37,339,658.8	2.73	127.22	3.73	34.08	16.99
45 to 64 Years	25,237	25,237	110,178	4,152,705	7,167,697	12,052.5	25	12,179,314	32,769,697.7	2.07	164.55	4.37	37.69	20.74
65+ Years	5,272	5,272	22,117	888,200	1,624,326	2,566.2	10	5,769,113	16,864,677.0	0.91	168.47	4.20	40.16	38.97
ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	15,505	15,505	65,944	2,248,080	4,376,279	6,609.7	5	10,179,427	25,282,901.8	1.52	144.99	4.25	34.09	7.56
19 to 44 Years	48,540	48,540	181,152	6,175,262	10,514,901	18,285.5	6	17,775,684	37,360,655.1	2.73	127.22	3.73	34.09	3.28
45 to 64 Years	25,277	25,277	110,318	4,157,375	7,177,883	12,081.3	7	12,180,734	32,808,451.9	2.08	164.47	4.36	37.69	5.79
65+ Years	5,277	5,277	22,180	890,177	1,629,397	2,576.8	2	5,770,106	16,892,718.2	0.91	168.69	4.20	40.13	7.76
ANC value < 0.5 K/UL														
00 to 18 Years	15,510	15,510	65,958	2,248,620	4,377,399	6,616.0	0	10,179,586	25,286,819.0	1.52	144.98	4.25	34.09	0.00
19 to 44 Years	48,545	48,545	181,164	6,175,615	10,515,427	18,287.5	1	17,775,931	37,364,799.2	2.73	127.21	3.73	34.09	0.55
45 to 64 Years	25,288	25,288	110,360	4,159,615	7,183,368	12,089.4	2	12,181,053	32,817,296.1	2.08	164.49	4.36	37.69	1.65
65+ Years	5,278	5,278	22,181	890,205	1,629,467	2,578.1	0	5,770,423	16,899,879.7	0.91	168.66	4.20	40.13	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Levetiracetam														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only														
00 to 18 Years	7,572	7,572	40,827	1,438,844	6,459,689	4,116.2	12	10,179,587	25,290,666.9	0.74	190.02	5.39	35.24	29.15
19 to 44 Years	10,833	10,833	38,271	1,270,614	3,300,249	3,742.7	8	17,779,132	37,391,195.8	0.61	117.29	3.53	33.20	21.37
45 to 64 Years	15,047	15,047	57,288	1,952,262	4,813,778	5,711.9	14	12,182,633	32,828,591.5	1.24	129.74	3.81	34.08	24.51
65+ Years	21,313	21,313	89,392	3,282,128	7,903,209	9,515.2	14	5,770,627	16,897,087.7	3.69	154.00	4.19	36.72	14.71
Agranulocytosis and ANC value \geq 0 K/UL														
00 to 18 Years	7,572	7,572	40,827	1,438,844	6,459,689	4,125.9	3	10,179,587	25,290,662.8	0.74	190.02	5.39	35.24	7.27
19 to 44 Years	10,833	10,833	38,271	1,270,614	3,300,249	3,751.2	1	17,779,132	37,391,191.9	0.61	117.29	3.53	33.20	2.67
45 to 64 Years	15,047	15,047	57,288	1,952,262	4,813,778	5,713.2	3	12,182,631	32,828,579.3	1.24	129.74	3.81	34.08	5.25
65+ Years	21,312	21,312	89,390	3,282,083	7,903,119	9,517.3	1	5,770,627	16,897,071.1	3.69	154.00	4.19	36.72	1.05
Agranulocytosis and ANC value \geq 1.5 K/UL														
00 to 18 Years	7,572	7,572	40,827	1,438,844	6,459,689	4,125.9	3	10,179,587	25,290,664.7	0.74	190.02	5.39	35.24	7.27
19 to 44 Years	10,833	10,833	38,271	1,270,614	3,300,249	3,751.2	1	17,779,132	37,391,192.9	0.61	117.29	3.53	33.20	2.67
45 to 64 Years	15,047	15,047	57,288	1,952,262	4,813,778	5,713.2	3	12,182,632	32,828,581.5	1.24	129.74	3.81	34.08	5.25
65+ Years	21,312	21,312	89,390	3,282,083	7,903,119	9,517.3	1	5,770,627	16,897,074.9	3.69	154.00	4.19	36.72	1.05
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
00 to 18 Years	7,572	7,572	40,827	1,438,844	6,459,689	4,126.1	0	10,179,587	25,290,666.1	0.74	190.02	5.39	35.24	0.00
19 to 44 Years	10,833	10,833	38,271	1,270,614	3,300,249	3,751.3	0	17,779,132	37,391,195.5	0.61	117.29	3.53	33.20	0.00
45 to 64 Years	15,047	15,047	57,288	1,952,262	4,813,778	5,713.5	0	12,182,633	32,828,590.3	1.24	129.74	3.81	34.08	0.00
65+ Years	21,313	21,313	89,392	3,282,128	7,903,209	9,517.4	1	5,770,627	16,897,086.3	3.69	154.00	4.19	36.72	1.05
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	7,572	7,572	40,827	1,438,844	6,459,689	4,126.1	0	10,179,587	25,290,665.8	0.74	190.02	5.39	35.24	0.00
19 to 44 Years	10,833	10,833	38,271	1,270,614	3,300,249	3,751.3	0	17,779,132	37,391,195.4	0.61	117.29	3.53	33.20	0.00
45 to 64 Years	15,047	15,047	57,288	1,952,262	4,813,778	5,713.5	0	12,182,633	32,828,590.1	1.24	129.74	3.81	34.08	0.00
65+ Years	21,313	21,313	89,392	3,282,128	7,903,209	9,517.4	1	5,770,627	16,897,086.4	3.69	154.00	4.19	36.72	1.05
Agranulocytosis and ANC value < 0.5 K/UL														
00 to 18 Years	7,572	7,572	40,827	1,438,844	6,459,689	4,126.0	2	10,179,587	25,290,666.0	0.74	190.02	5.39	35.24	4.85
19 to 44 Years	10,833	10,833	38,271	1,270,614	3,300,249	3,751.3	0	17,779,132	37,391,195.2	0.61	117.29	3.53	33.20	0.00
45 to 64 Years	15,047	15,047	57,288	1,952,262	4,813,778	5,713.4	1	12,182,632	32,828,590.2	1.24	129.74	3.81	34.08	1.75
65+ Years	21,313	21,313	89,392	3,282,128	7,903,209	9,517.5	0	5,770,627	16,897,085.1	3.69	154.00	4.19	36.72	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value ≥ 0 K/UL														
00 to 18 Years	6,669	6,669	36,925	1,250,013	5,615,640	3,206.2	508	10,164,215	24,818,367.6	0.66	187.44	5.54	33.85	1584.43
19 to 44 Years	9,117	9,117	33,152	1,072,455	2,774,142	2,803.7	702	17,656,126	35,442,333.9	0.52	117.63	3.64	32.35	2503.82
45 to 64 Years	11,997	11,997	46,822	1,552,753	3,795,872	3,939.6	1,082	12,072,792	30,221,875.5	0.99	129.43	3.90	33.16	2746.44
65+ Years	15,747	15,747	68,857	2,447,511	5,948,853	6,265.1	1,349	5,671,363	14,567,207.8	2.78	155.43	4.37	35.54	2153.20
ANC value ≥1.5 K/UL														
00 to 18 Years	6,698	6,698	37,057	1,256,307	5,642,206	3,230.3	497	10,164,896	24,832,498.2	0.66	187.56	5.53	33.90	1538.54
19 to 44 Years	9,132	9,132	33,197	1,073,823	2,778,034	2,812.8	698	17,657,812	35,459,764.5	0.52	117.59	3.64	32.35	2481.48
45 to 64 Years	12,036	12,036	47,000	1,558,428	3,811,436	3,957.9	1,075	12,075,043	30,251,839.9	1.00	129.48	3.90	33.16	2716.08
65+ Years	15,766	15,766	68,935	2,450,244	5,955,143	6,275.8	1,344	5,673,377	14,586,358.4	2.78	155.41	4.37	35.54	2141.56
ANC value 1.0- <1.5 K/UL														
00 to 18 Years	7,534	7,534	40,666	1,431,041	6,422,272	4,078.6	42	10,179,195	25,279,116.8	0.74	189.94	5.40	35.19	102.98
19 to 44 Years	10,799	10,799	38,191	1,267,899	3,293,510	3,729.8	21	17,778,235	37,373,273.1	0.61	117.41	3.54	33.20	56.30
45 to 64 Years	14,972	14,972	57,011	1,941,940	4,788,823	5,641.3	77	12,181,472	32,792,625.8	1.23	129.70	3.81	34.06	136.49
65+ Years	21,233	21,233	89,105	3,271,663	7,866,887	9,458.7	60	5,769,736	16,867,443.4	3.68	154.08	4.20	36.72	63.43
ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	7,553	7,553	40,742	1,435,644	6,444,218	4,112.6	16	10,179,447	25,287,067.1	0.74	190.08	5.39	35.24	38.90
19 to 44 Years	10,825	10,825	38,235	1,269,439	3,296,833	3,740.3	10	17,778,900	37,387,363.1	0.61	117.27	3.53	33.20	26.74
45 to 64 Years	15,013	15,013	57,163	1,948,561	4,801,362	5,689.0	27	12,182,334	32,819,864.5	1.23	129.79	3.81	34.09	47.46
65+ Years	21,280	21,280	89,318	3,279,765	7,894,287	9,497.7	28	5,770,315	16,889,185.2	3.69	154.12	4.20	36.72	29.48
ANC value < 0.5 K/UL														
00 to 18 Years	7,552	7,552	40,761	1,436,011	6,445,915	4,116.5	5	10,179,545	25,289,643.6	0.74	190.15	5.40	35.23	12.15
19 to 44 Years	10,829	10,829	38,263	1,270,440	3,299,901	3,749.6	3	17,779,083	37,390,206.1	0.61	117.32	3.53	33.20	8.00
45 to 64 Years	15,031	15,031	57,243	1,950,982	4,810,122	5,706.1	15	12,182,538	32,826,106.2	1.23	129.80	3.81	34.08	26.29
65+ Years	21,292	21,292	89,331	3,280,040	7,896,368	9,504.7	19	5,770,499	16,892,950.6	3.69	154.05	4.20	36.72	19.99
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
00 to 18 Years	6,685	6,685	36,951	1,250,807	5,619,799	3,219.6	491	10,164,259	24,819,033.4	0.66	187.11	5.53	33.85	1525.04
19 to 44 Years	9,125	9,125	33,164	1,072,733	2,774,744	2,810.0	696	17,656,157	35,442,677.3	0.52	117.56	3.63	32.35	2476.85
45 to 64 Years	12,013	12,013	46,857	1,553,797	3,797,931	3,948.4	1,069	12,072,908	30,222,870.7	1.00	129.34	3.90	33.16	2707.41
65+ Years	15,764	15,764	68,905	2,449,141	5,953,691	6,275.9	1,338	5,671,495	14,568,547.6	2.78	155.36	4.37	35.54	2131.96

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 1.0- <1.5 K/UL														
00 to 18 Years	7,528	7,528	40,590	1,427,865	6,408,934	4,070.5	39	10,178,946	25,273,050.1	0.74	189.67	5.39	35.18	95.81
19 to 44 Years	10,797	10,797	38,174	1,267,192	3,290,422	3,728.1	18	17,777,677	37,365,456.7	0.61	117.37	3.54	33.20	48.28
45 to 64 Years	14,952	14,952	56,911	1,938,938	4,777,850	5,633.2	74	12,180,914	32,779,756.2	1.23	129.68	3.81	34.07	131.36
65+ Years	21,225	21,225	89,086	3,270,939	7,864,446	9,456.6	57	5,769,318	16,859,442.6	3.68	154.11	4.20	36.72	60.28
ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	7,557	7,557	40,718	1,434,149	6,436,856	4,110.1	14	10,179,427	25,286,471.0	0.74	189.78	5.39	35.22	34.06
19 to 44 Years	10,832	10,832	38,253	1,269,910	3,296,935	3,741.7	10	17,778,867	37,386,483.6	0.61	117.24	3.53	33.20	26.73
45 to 64 Years	15,014	15,014	57,158	1,948,557	4,800,618	5,689.1	26	12,182,337	32,818,518.3	1.23	129.78	3.81	34.09	45.70
65+ Years	21,284	21,284	89,318	3,279,601	7,892,982	9,497.0	28	5,770,309	16,887,455.5	3.69	154.09	4.20	36.72	29.48
ANC value < 0.5 K/UL														
00 to 18 Years	7,568	7,568	40,787	1,436,805	6,450,074	4,118.9	6	10,179,586	25,290,386.2	0.74	189.85	5.39	35.23	14.57
19 to 44 Years	10,840	10,840	38,286	1,270,989	3,301,045	3,751.3	3	17,779,115	37,390,630.7	0.61	117.25	3.53	33.20	8.00
45 to 64 Years	15,049	15,049	57,280	1,952,073	4,812,258	5,709.4	15	12,182,657	32,827,353.6	1.24	129.71	3.81	34.08	26.27
65+ Years	21,311	21,311	89,383	3,281,741	7,901,348	9,509.7	19	5,770,626	16,894,606.4	3.69	153.99	4.19	36.72	19.98

Topiramate

Incident with respect to agranulocytosis

Agranulocytosis only

00 to 18 Years	18,806	18,806	44,415	1,485,345	3,243,003	4,616.4	1	10,179,587	25,281,590.2	1.85	78.98	2.36	33.44	2.17
19 to 44 Years	96,640	96,640	256,787	8,688,978	18,590,531	26,596.6	2	17,774,661	37,320,070.5	5.44	89.91	2.66	33.84	0.75
45 to 64 Years	59,416	59,416	173,744	6,339,072	13,356,876	19,047.4	4	12,176,050	32,775,645.8	4.88	106.69	2.92	36.49	2.10
65+ Years	9,354	9,354	24,694	982,508	1,888,897	2,942.6	1	5,769,450	16,896,201.2	1.62	105.04	2.64	39.79	3.40

Agranulocytosis and ANC value \geq 0 K/UL

00 to 18 Years	18,806	18,806	44,415	1,485,345	3,243,003	4,616.4	0	10,179,587	25,281,586.1	1.85	78.98	2.36	33.44	0.00
19 to 44 Years	96,640	96,640	256,787	8,688,978	18,590,531	26,596.7	0	17,774,661	37,320,066.7	5.44	89.91	2.66	33.84	0.00
45 to 64 Years	59,416	59,416	173,744	6,339,072	13,356,876	19,047.7	0	12,176,048	32,775,633.6	4.88	106.69	2.92	36.49	0.00
65+ Years	9,354	9,354	24,694	982,508	1,888,897	2,942.9	0	5,769,450	16,896,184.5	1.62	105.04	2.64	39.79	0.00

Agranulocytosis and ANC value \geq 1.5 K/UL

00 to 18 Years	18,806	18,806	44,415	1,485,345	3,243,003	4,616.4	0	10,179,587	25,281,588.1	1.85	78.98	2.36	33.44	0.00
19 to 44 Years	96,640	96,640	256,787	8,688,978	18,590,531	26,596.7	0	17,774,661	37,320,067.6	5.44	89.91	2.66	33.84	0.00
45 to 64 Years	59,416	59,416	173,744	6,339,072	13,356,876	19,047.7	0	12,176,049	32,775,635.8	4.88	106.69	2.92	36.49	0.00
65+ Years	9,354	9,354	24,694	982,508	1,888,897	2,942.9	0	5,769,450	16,896,188.4	1.62	105.04	2.64	39.79	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
00 to 18 Years	18,806	18,806	44,415	1,485,345	3,243,003	4,616.4	0	10,179,587	25,281,589.4	1.85	78.98	2.36	33.44	0.00
19 to 44 Years	96,640	96,640	256,787	8,688,978	18,590,531	26,596.7	0	17,774,661	37,320,070.2	5.44	89.91	2.66	33.84	0.00
45 to 64 Years	59,416	59,416	173,744	6,339,072	13,356,876	19,047.7	0	12,176,050	32,775,644.6	4.88	106.69	2.92	36.49	0.00
65+ Years	9,354	9,354	24,694	982,508	1,888,897	2,942.9	0	5,769,450	16,896,199.7	1.62	105.04	2.64	39.79	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	18,806	18,806	44,415	1,485,345	3,243,003	4,616.4	0	10,179,587	25,281,589.4	1.85	78.98	2.36	33.44	0.00
19 to 44 Years	96,640	96,640	256,787	8,688,978	18,590,531	26,596.7	0	17,774,661	37,320,069.9	5.44	89.91	2.66	33.84	0.00
45 to 64 Years	59,416	59,416	173,744	6,339,072	13,356,876	19,047.7	0	12,176,049	32,775,644.6	4.88	106.69	2.92	36.49	0.00
65+ Years	9,354	9,354	24,694	982,508	1,888,897	2,942.9	0	5,769,450	16,896,198.6	1.62	105.04	2.64	39.79	0.00
Agranulocytosis and ANC value < 0.5 K/UL														
00 to 18 Years	18,806	18,806	44,415	1,485,345	3,243,003	4,616.4	0	10,179,587	25,281,589.1	1.85	78.98	2.36	33.44	0.00
19 to 44 Years	96,640	96,640	256,787	8,688,978	18,590,531	26,596.7	0	17,774,661	37,320,070.1	5.44	89.91	2.66	33.84	0.00
45 to 64 Years	59,416	59,416	173,744	6,339,072	13,356,876	19,047.7	0	12,176,050	32,775,644.4	4.88	106.69	2.92	36.49	0.00
65+ Years	9,354	9,354	24,694	982,508	1,888,897	2,942.9	0	5,769,450	16,896,199.8	1.62	105.04	2.64	39.79	0.00
ANC value ≥ 0 K/UL														
00 to 18 Years	17,077	17,077	40,712	1,350,192	2,933,174	3,977.5	776	10,164,215	24,810,563.6	1.68	79.06	2.38	33.16	1950.99
19 to 44 Years	85,967	85,967	230,582	7,765,521	16,616,663	21,947.6	4,907	17,652,093	35,383,696.2	4.87	90.33	2.68	33.68	2235.78
45 to 64 Years	51,584	51,584	152,183	5,534,200	11,680,607	14,934.2	3,610	12,067,044	30,179,377.9	4.27	107.29	2.95	36.37	2417.26
65+ Years	7,499	7,499	20,022	791,031	1,518,133	2,147.0	551	5,670,360	14,566,209.9	1.32	105.48	2.67	39.51	2566.43
ANC value ≥1.5 K/UL														
00 to 18 Years	17,093	17,093	40,757	1,352,044	2,938,096	3,985.1	771	10,164,896	24,824,701.9	1.68	79.10	2.38	33.17	1934.69
19 to 44 Years	86,030	86,030	230,761	7,771,741	16,628,771	21,964.7	4,895	17,653,775	35,401,063.0	4.87	90.34	2.68	33.68	2228.57
45 to 64 Years	51,641	51,641	152,332	5,538,323	11,690,917	14,955.9	3,590	12,069,290	30,209,285.3	4.28	107.25	2.95	36.36	2400.39
65+ Years	7,506	7,506	20,040	792,003	1,522,657	2,149.8	548	5,672,372	14,585,355.8	1.32	105.52	2.67	39.52	2549.11
ANC value 1.0- <1.5 K/UL														
00 to 18 Years	18,791	18,791	44,386	1,483,707	3,239,419	4,602.0	12	10,179,195	25,270,032.6	1.85	78.96	2.36	33.43	26.08
19 to 44 Years	96,570	96,570	256,556	8,680,929	18,572,324	26,558.1	34	17,773,766	37,302,220.6	5.43	89.89	2.66	33.84	12.80
45 to 64 Years	59,338	59,338	173,526	6,331,483	13,341,244	19,007.4	45	12,174,894	32,739,765.7	4.87	106.70	2.92	36.49	23.68
65+ Years	9,339	9,339	24,663	980,978	1,883,625	2,936.0	9	5,768,560	16,866,542.8	1.62	105.04	2.64	39.78	30.65
ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	18,802	18,802	44,411	1,485,200	3,242,753	4,615.0	2	10,179,447	25,277,984.8	1.85	78.99	2.36	33.44	4.33
19 to 44 Years	96,625	96,625	256,739	8,686,873	18,585,130	26,583.7	13	17,774,430	37,316,251.5	5.44	89.90	2.66	33.84	4.89
45 to 64 Years	59,396	59,396	173,709	6,337,657	13,353,890	19,040.1	9	12,175,751	32,766,923.6	4.88	106.70	2.92	36.48	4.73
65+ Years	9,351	9,351	24,689	982,338	1,888,547	2,941.6	2	5,769,137	16,888,290.2	1.62	105.05	2.64	39.79	6.80

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value < 0.5 K/UL														
00 to 18 Years	18,805	18,805	44,412	1,485,255	3,242,823	4,615.9	3	10,179,545	25,280,555.7	1.85	78.98	2.36	33.44	6.50
19 to 44 Years	96,640	96,640	256,786	8,688,875	18,590,458	26,595.3	5	17,774,612	37,319,081.4	5.44	89.91	2.66	33.84	1.88
45 to 64 Years	59,412	59,412	173,732	6,338,586	13,356,072	19,044.5	6	12,175,954	32,773,157.4	4.88	106.69	2.92	36.48	3.15
65+ Years	9,352	9,352	24,691	982,404	1,888,643	2,942.6	0	5,769,322	16,892,059.5	1.62	105.05	2.64	39.79	0.00
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
00 to 18 Years	17,077	17,077	40,712	1,350,192	2,933,174	3,980.5	769	10,164,259	24,811,243.4	1.68	79.06	2.38	33.16	1931.94
19 to 44 Years	85,967	85,967	230,582	7,765,521	16,616,663	21,953.1	4,882	17,652,124	35,384,040.1	4.87	90.33	2.68	33.68	2223.83
45 to 64 Years	51,586	51,586	152,186	5,534,265	11,680,858	14,943.3	3,577	12,067,161	30,180,375.2	4.27	107.28	2.95	36.37	2393.72
65+ Years	7,500	7,500	20,023	791,061	1,518,203	2,147.6	547	5,670,492	14,567,549.9	1.32	105.47	2.67	39.51	2547.05
ANC value 1.0- <1.5 K/UL														
00 to 18 Years	18,782	18,782	44,357	1,482,838	3,236,527	4,599.4	12	10,178,946	25,263,983.3	1.85	78.95	2.36	33.43	26.09
19 to 44 Years	96,544	96,544	256,498	8,678,864	18,568,268	26,551.8	34	17,773,211	37,294,432.5	5.43	89.90	2.66	33.84	12.81
45 to 64 Years	59,313	59,313	173,476	6,329,760	13,337,577	19,002.6	44	12,174,337	32,726,930.0	4.87	106.72	2.92	36.49	23.15
65+ Years	9,337	9,337	24,660	980,874	1,883,411	2,935.7	9	5,768,144	16,858,543.3	1.62	105.05	2.64	39.78	30.66
ANC value 0.5 - <1.0 K/UL														
00 to 18 Years	18,801	18,801	44,408	1,485,110	3,242,573	4,614.7	2	10,179,427	25,277,401.5	1.85	78.99	2.36	33.44	4.33
19 to 44 Years	96,625	96,625	256,739	8,686,882	18,585,106	26,583.8	13	17,774,399	37,315,376.0	5.44	89.90	2.66	33.84	4.89
45 to 64 Years	59,394	59,394	173,701	6,337,266	13,353,397	19,039.0	9	12,175,754	32,765,578.4	4.88	106.70	2.92	36.48	4.73
65+ Years	9,351	9,351	24,688	982,314	1,888,563	2,941.6	2	5,769,132	16,886,559.0	1.62	105.05	2.64	39.79	6.80
ANC value < 0.5 K/UL														
00 to 18 Years	18,805	18,805	44,412	1,485,255	3,242,823	4,615.9	3	10,179,586	25,281,319.2	1.85	78.98	2.36	33.44	6.50
19 to 44 Years	96,640	96,640	256,786	8,688,875	18,590,458	26,595.3	5	17,774,645	37,319,507.6	5.44	89.91	2.66	33.84	1.88
45 to 64 Years	59,414	59,414	173,735	6,338,651	13,356,323	19,044.7	6	12,176,074	32,774,406.2	4.88	106.69	2.92	36.48	3.15
65+ Years	9,353	9,353	24,692	982,434	1,888,713	2,942.7	0	5,769,449	16,893,716.7	1.62	105.04	2.64	39.79	0.00

*Incidence with respect to ANC value is defined by ANC values of the same or "worse" ANC category (i.e., a value 0.5 - <1.0 K/UL must be incident with respect to a value < 1.0 K/UL). See specifications for more details.

Table 3. Summary of Anti-Epileptic Drug use and Events in the MSDD between January 1, 2006 and June 30, 2013, by Drug Product, Event Definition, and Sex

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Carbamazepine														
<i>Incident with respect to agranulocytosis</i>														
<i>Agranulocytosis only</i>														
Female	20,177	20,177	46,934	1,746,729	4,687,648	5,291.4	1	21,294,319	57,067,714.5	0.95	86.57	2.33	37.22	1.89
Male	14,110	14,110	38,414	1,446,121	4,251,548	4,334.3	3	20,769,372	55,328,699.0	0.68	102.49	2.72	37.65	6.92
Unknown	0	0	0	0	0	0.0	0	455	1,399.9	0.00	---	---	---	---
<i>Agranulocytosis and ANC value ≥ 0 K/UL</i>														
Female	20,177	20,177	46,934	1,746,729	4,687,648	5,291.6	0	21,294,319	57,067,695.8	0.95	86.57	2.33	37.22	0.00
Male	14,110	14,110	38,414	1,446,121	4,251,548	4,334.7	0	20,769,370	55,328,681.1	0.68	102.49	2.72	37.65	0.00
Unknown	0	0	0	0	0	0.0	0	455	1,399.9	0.00	---	---	---	---
<i>Agranulocytosis and ANC value ≥ 1.5 K/UL</i>														
Female	20,177	20,177	46,934	1,746,729	4,687,648	5,291.6	0	21,294,319	57,067,699.6	0.95	86.57	2.33	37.22	0.00
Male	14,110	14,110	38,414	1,446,121	4,251,548	4,334.7	0	20,769,371	55,328,686.2	0.68	102.49	2.72	37.65	0.00
Unknown	0	0	0	0	0	0.0	0	455	1,399.9	0.00	---	---	---	---
<i>Agranulocytosis and ANC value 1.0 - <1.5 K/UL</i>														
Female	20,177	20,177	46,934	1,746,729	4,687,648	5,291.6	0	21,294,319	57,067,713.0	0.95	86.57	2.33	37.22	0.00
Male	14,110	14,110	38,414	1,446,121	4,251,548	4,334.7	0	20,769,372	55,328,696.9	0.68	102.49	2.72	37.65	0.00
Unknown	0	0	0	0	0	0.0	0	455	1,399.9	0.00	---	---	---	---
<i>Agranulocytosis and ANC value 0.5 - <1.0 K/UL</i>														
Female	20,177	20,177	46,934	1,746,729	4,687,648	5,291.6	0	21,294,319	57,067,712.9	0.95	86.57	2.33	37.22	0.00
Male	14,110	14,110	38,414	1,446,121	4,251,548	4,334.7	0	20,769,372	55,328,696.4	0.68	102.49	2.72	37.65	0.00
Unknown	0	0	0	0	0	0.0	0	455	1,399.9	0.00	---	---	---	---
<i>Agranulocytosis and ANC value < 0.5 K/UL</i>														
Female	20,177	20,177	46,934	1,746,729	4,687,648	5,291.6	0	21,294,319	57,067,712.2	0.95	86.57	2.33	37.22	0.00
Male	14,110	14,110	38,414	1,446,121	4,251,548	4,334.7	0	20,769,371	55,328,696.1	0.68	102.49	2.72	37.65	0.00
Unknown	0	0	0	0	0	0.0	0	455	1,399.9	0.00	---	---	---	---
<i>ANC value ≥ 0 K/UL</i>														
Female	17,258	17,258	40,511	1,501,164	4,050,196	3,837.7	1,797	21,121,241	52,749,565.0	0.82	86.98	2.35	37.06	4682.55
Male	12,379	12,379	34,058	1,278,958	3,789,861	3,202.6	1,294	20,661,549	52,290,849.3	0.60	103.32	2.75	37.55	4040.51
Unknown	0	0	0	0	0	0.0	0	455	1,327.3	0.00	---	---	---	---



	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value ≥1.5 K/UL														
Female	17,289	17,289	40,570	1,503,949	4,057,562	3,849.7	1,782	21,124,276	52,794,958.9	0.82	86.99	2.35	37.07	4628.92
Male	12,397	12,397	34,145	1,281,699	3,796,337	3,210.5	1,286	20,664,160	52,326,118.8	0.60	103.39	2.75	37.54	4005.66
Unknown	0	0	0	0	0	0.0	0	455	1,328.1	0.00	---	---	---	---
ANC value 1.0- <1.5 K/UL														
Female	20,141	20,141	46,871	1,743,748	4,680,974	5,246.0	50	21,292,850	57,013,885.1	0.95	86.58	2.33	37.20	95.31
Male	14,092	14,092	38,385	1,445,214	4,249,938	4,312.4	34	20,768,174	55,287,400.4	0.68	102.56	2.72	37.65	78.84
Unknown	0	0	0	0	0	0.0	0	455	1,398.9	0.00	---	---	---	---
ANC value 0.5 - <1.0 K/UL														
Female	20,167	20,167	46,922	1,746,349	4,686,558	5,288.1	8	21,293,922	57,055,054.8	0.95	86.59	2.33	37.22	15.13
Male	14,104	14,104	38,407	1,445,957	4,251,224	4,327.1	4	20,768,990	55,317,275.4	0.68	102.52	2.72	37.65	9.24
Unknown	0	0	0	0	0	0.0	0	455	1,399.4	0.00	---	---	---	---
ANC value < 0.5 K/UL														
Female	20,173	20,173	46,930	1,746,637	4,687,434	5,291.0	5	21,294,182	57,063,140.5	0.95	86.58	2.33	37.22	9.45
Male	14,108	14,108	38,411	1,446,075	4,251,456	4,332.8	3	20,769,257	55,324,615.9	0.68	102.50	2.72	37.65	6.92
Unknown	0	0	0	0	0	0.0	0	455	1,399.9	0.00	---	---	---	---
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
Female	17,258	17,258	40,511	1,501,164	4,050,196	3,843.0	1,778	21,121,383	52,751,262.9	0.82	86.98	2.35	37.06	4626.54
Male	12,379	12,379	34,058	1,278,958	3,789,861	3,207.9	1,282	20,661,690	52,292,515.3	0.60	103.32	2.75	37.55	3996.40
Unknown	0	0	0	0	0	0.0	0	455	1,327.7	0.00	---	---	---	---
ANC value 1.0- <1.5 K/UL														
Female	20,126	20,126	46,854	1,743,162	4,678,897	5,244.6	48	21,292,067	56,994,338.2	0.95	86.61	2.33	37.20	91.52
Male	14,083	14,083	38,305	1,442,404	4,238,644	4,304.4	34	20,767,503	55,272,214.5	0.68	102.42	2.72	37.66	78.99
Unknown	0	0	0	0	0	0.0	0	455	1,398.8	0.00	---	---	---	---
ANC value 0.5 - <1.0 K/UL														
Female	20,164	20,164	46,919	1,746,287	4,686,434	5,287.9	8	21,293,898	57,052,491.1	0.95	86.60	2.33	37.22	15.13
Male	14,102	14,102	38,340	1,443,868	4,246,202	4,321.2	4	20,768,985	55,315,299.7	0.68	102.39	2.72	37.66	9.26
Unknown	0	0	0	0	0	0.0	0	455	1,399.8	0.00	---	---	---	---
ANC value < 0.5 K/UL														
Female	20,173	20,173	46,930	1,746,637	4,687,434	5,291.0	5	21,294,317	57,065,234.7	0.95	86.58	2.33	37.22	9.45
Male	14,108	14,108	38,411	1,446,075	4,251,456	4,332.8	3	20,769,397	55,326,621.6	0.68	102.50	2.72	37.65	6.92
Unknown	0	0	0	0	0	0.0	0	455	1,400.3	0.00	---	---	---	---

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Lamotrigine														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only														
Female	60,184	60,184	233,315	8,275,862	14,610,626	24,340.8	1	21,294,333	57,051,419.3	2.83	137.51	3.88	35.47	0.41
Male	34,441	34,441	146,369	5,198,028	9,097,061	15,229.7	1	20,769,372	55,320,540.1	1.66	150.93	4.25	35.51	0.66
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.5	4.40	1025.00	12.00	85.42	0.00
Agranulocytosis and ANC value \geq 0 K/UL														
Female	60,184	60,184	233,315	8,275,862	14,610,626	24,340.8	0	21,294,333	57,051,400.5	2.83	137.51	3.88	35.47	0.00
Male	34,441	34,441	146,369	5,198,028	9,097,061	15,230.1	0	20,769,370	55,320,522.3	1.66	150.93	4.25	35.51	0.00
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.5	4.40	1025.00	12.00	85.42	0.00
Agranulocytosis and ANC value \geq 1.5 K/UL														
Female	60,184	60,184	233,315	8,275,862	14,610,626	24,340.8	0	21,294,333	57,051,404.3	2.83	137.51	3.88	35.47	0.00
Male	34,441	34,441	146,369	5,198,028	9,097,061	15,230.1	0	20,769,371	55,320,527.3	1.66	150.93	4.25	35.51	0.00
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.5	4.40	1025.00	12.00	85.42	0.00
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
Female	60,184	60,184	233,315	8,275,862	14,610,626	24,340.8	0	21,294,333	57,051,417.8	2.83	137.51	3.88	35.47	0.00
Male	34,441	34,441	146,369	5,198,028	9,097,061	15,230.1	0	20,769,372	55,320,538.0	1.66	150.93	4.25	35.51	0.00
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.5	4.40	1025.00	12.00	85.42	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
Female	60,184	60,184	233,315	8,275,862	14,610,626	24,340.8	0	21,294,333	57,051,417.7	2.83	137.51	3.88	35.47	0.00
Male	34,441	34,441	146,369	5,198,028	9,097,061	15,230.1	0	20,769,372	55,320,537.5	1.66	150.93	4.25	35.51	0.00
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.5	4.40	1025.00	12.00	85.42	0.00
Agranulocytosis and ANC value < 0.5 K/UL														
Female	60,184	60,184	233,315	8,275,862	14,610,626	24,340.8	0	21,294,333	57,051,417.0	2.83	137.51	3.88	35.47	0.00
Male	34,441	34,441	146,369	5,198,028	9,097,061	15,230.1	0	20,769,371	55,320,537.2	1.66	150.93	4.25	35.51	0.00
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.5	4.40	1025.00	12.00	85.42	0.00
ANC value \geq 0 K/UL														
Female	52,759	52,759	204,994	7,219,022	12,712,715	18,960.7	3,862	21,121,257	52,735,564.9	2.50	136.83	3.89	35.22	2036.85
Male	30,977	30,977	132,057	4,644,702	8,097,872	12,373.2	1,950	20,661,550	52,283,030.6	1.50	149.94	4.26	35.17	1575.98
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,325.9	4.40	1025.00	12.00	85.42	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value ≥1.5 K/UL														
Female	52,805	52,805	205,156	7,224,829	12,723,159	18,988.0	3,841	21,124,292	52,780,963.0	2.50	136.82	3.89	35.22	2022.85
Male	31,010	31,010	132,223	4,649,949	8,110,309	12,396.7	1,937	20,664,161	52,318,292.6	1.50	149.95	4.26	35.17	1562.51
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,326.7	4.40	1025.00	12.00	85.42	0.00
ANC value 1.0- <1.5 K/UL														
Female	60,115	60,115	233,137	8,267,526	14,593,589	24,290.6	47	21,292,864	56,997,588.1	2.82	137.53	3.88	35.46	19.35
Male	34,405	34,405	146,172	5,191,453	9,081,687	15,185.3	34	20,768,174	55,279,255.6	1.66	150.89	4.25	35.52	22.39
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,397.5	4.40	1025.00	12.00	85.42	0.00
ANC value 0.5 - <1.0 K/UL														
Female	60,167	60,167	233,260	8,273,263	14,604,770	24,328.7	9	21,293,936	57,038,758.1	2.83	137.50	3.88	35.47	3.70
Male	34,435	34,435	146,362	5,197,691	9,096,376	15,224.9	11	20,768,990	55,309,116.7	1.66	150.94	4.25	35.51	7.23
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.0	4.40	1025.00	12.00	85.42	0.00
ANC value < 0.5 K/UL														
Female	60,180	60,180	233,294	8,275,157	14,608,410	24,338.7	1	21,294,196	57,046,841.2	2.83	137.51	3.88	35.47	0.41
Male	34,437	34,437	146,343	5,196,768	9,094,057	15,226.3	2	20,769,257	55,316,456.7	1.66	150.91	4.25	35.51	1.31
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.5	4.40	1025.00	12.00	85.42	0.00
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
Female	52,760	52,760	204,995	7,219,090	12,712,820	18,973.7	3,835	21,121,399	52,737,261.6	2.50	136.83	3.89	35.22	2021.22
Male	30,978	30,978	132,058	4,644,714	8,097,896	12,385.5	1,932	20,661,691	52,284,696.2	1.50	149.94	4.26	35.17	1559.89
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,326.3	4.40	1025.00	12.00	85.42	0.00
ANC value 1.0- <1.5 K/UL														
Female	60,095	60,095	232,972	8,262,675	14,580,080	24,276.7	47	21,292,081	56,978,029.8	2.82	137.49	3.88	35.47	19.36
Male	34,391	34,391	146,098	5,188,519	9,074,092	15,178.2	32	20,767,503	55,264,073.3	1.66	150.87	4.25	35.51	21.08
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,397.4	4.40	1025.00	12.00	85.42	0.00
ANC value 0.5 - <1.0 K/UL														
Female	60,166	60,166	233,242	8,272,671	14,602,719	24,327.0	9	21,293,912	57,036,188.8	2.83	137.50	3.88	35.47	3.70
Male	34,431	34,431	146,328	5,196,173	9,092,676	15,220.5	11	20,768,985	55,307,139.8	1.66	150.92	4.25	35.51	7.23
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.4	4.40	1025.00	12.00	85.42	0.00
ANC value < 0.5 K/UL														
Female	60,181	60,181	233,295	8,275,225	14,608,515	24,338.9	1	21,294,331	57,048,934.0	2.83	137.51	3.88	35.47	0.41
Male	34,438	34,438	146,344	5,196,780	9,094,081	15,226.4	2	20,769,397	55,318,461.1	1.66	150.90	4.25	35.51	1.31
Unknown	2	2	24	2,050	3,065	5.7	0	455	1,398.9	4.40	1025.00	12.00	85.42	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Levetiracetam														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only														
Female	27,858	27,858	114,583	4,010,049	11,167,824	11,655.4	16	21,294,333	57,075,961.5	1.31	143.95	4.11	35.00	13.73
Male	26,906	26,906	111,193	3,933,739	11,308,861	11,430.6	32	20,769,372	55,330,180.6	1.30	146.20	4.13	35.38	28.00
Unknown	1	1	2	60	240	0.2	0	455	1,399.7	2.20	60.00	2.00	30.00	0.00
Agranulocytosis and ANC value \geq 0 K/UL														
Female	27,857	27,857	114,581	4,010,004	11,167,734	11,658.8	5	21,294,333	57,075,942.7	1.31	143.95	4.11	35.00	4.29
Male	26,906	26,906	111,193	3,933,739	11,308,861	11,448.6	3	20,769,370	55,330,162.8	1.30	146.20	4.13	35.38	2.62
Unknown	1	1	2	60	240	0.2	0	455	1,399.7	2.20	60.00	2.00	30.00	0.00
Agranulocytosis and ANC value \geq 1.5 K/UL														
Female	27,857	27,857	114,581	4,010,004	11,167,734	11,658.8	5	21,294,333	57,075,946.5	1.31	143.95	4.11	35.00	4.29
Male	26,906	26,906	111,193	3,933,739	11,308,861	11,448.6	3	20,769,371	55,330,167.8	1.30	146.20	4.13	35.38	2.62
Unknown	1	1	2	60	240	0.2	0	455	1,399.7	2.20	60.00	2.00	30.00	0.00
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
Female	27,858	27,858	114,583	4,010,049	11,167,824	11,659.1	1	21,294,333	57,075,960.0	1.31	143.95	4.11	35.00	0.86
Male	26,906	26,906	111,193	3,933,739	11,308,861	11,448.9	0	20,769,372	55,330,178.5	1.30	146.20	4.13	35.38	0.00
Unknown	1	1	2	60	240	0.2	0	455	1,399.7	2.20	60.00	2.00	30.00	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
Female	27,858	27,858	114,583	4,010,049	11,167,824	11,659.1	1	21,294,333	57,075,959.9	1.31	143.95	4.11	35.00	0.86
Male	26,906	26,906	111,193	3,933,739	11,308,861	11,448.9	0	20,769,372	55,330,178.0	1.30	146.20	4.13	35.38	0.00
Unknown	1	1	2	60	240	0.2	0	455	1,399.7	2.20	60.00	2.00	30.00	0.00
Agranulocytosis and ANC value < 0.5 K/UL														
Female	27,858	27,858	114,583	4,010,049	11,167,824	11,659.1	3	21,294,333	57,075,959.2	1.31	143.95	4.11	35.00	2.57
Male	26,906	26,906	111,193	3,933,739	11,308,861	11,448.9	0	20,769,371	55,330,177.7	1.30	146.20	4.13	35.38	0.00
Unknown	1	1	2	60	240	0.2	0	455	1,399.7	2.20	60.00	2.00	30.00	0.00
ANC value \geq 0 K/UL														
Female	22,063	22,063	93,273	3,166,256	8,977,838	8,114.9	1,850	21,121,257	52,756,098.7	1.04	143.51	4.23	33.95	2279.74
Male	21,466	21,466	92,481	3,156,416	9,156,429	8,099.5	1,791	20,661,550	52,292,358.9	1.04	147.04	4.31	34.13	2211.25
Unknown	1	1	2	60	240	0.2	0	455	1,327.1	2.20	60.00	2.00	30.00	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value ≥1.5 K/UL														
Female	22,116	22,116	93,473	3,173,103	8,998,449	8,141.6	1,835	21,124,292	52,801,511.0	1.05	143.48	4.23	33.95	2253.86
Male	21,515	21,515	92,714	3,165,639	9,188,130	8,135.1	1,779	20,664,161	52,327,622.2	1.04	147.14	4.31	34.14	2186.82
Unknown	1	1	2	60	240	0.2	0	455	1,327.9	2.20	60.00	2.00	30.00	0.00
ANC value 1.0- <1.5 K/UL														
Female	27,726	27,726	114,129	3,993,557	11,113,390	11,555.8	106	21,292,864	57,022,133.2	1.30	144.04	4.12	34.99	91.73
Male	26,811	26,811	110,842	3,918,926	11,257,863	11,352.4	94	20,768,174	55,288,927.3	1.29	146.17	4.13	35.36	82.80
Unknown	1	1	2	60	240	0.2	0	455	1,398.7	2.20	60.00	2.00	30.00	0.00
ANC value 0.5 - <1.0 K/UL														
Female	27,813	27,813	114,434	4,005,419	11,148,514	11,632.4	42	21,293,936	57,063,303.7	1.31	144.01	4.11	35.00	36.11
Male	26,857	26,857	111,022	3,927,930	11,287,945	11,407.0	39	20,768,990	55,318,777.0	1.29	146.25	4.13	35.38	34.19
Unknown	1	1	2	60	240	0.2	0	455	1,399.2	2.20	60.00	2.00	30.00	0.00
ANC value < 0.5 K/UL														
Female	27,828	27,828	114,496	4,007,323	11,157,504	11,643.0	24	21,294,196	57,071,388.8	1.31	144.00	4.11	35.00	20.61
Male	26,875	26,875	111,100	3,930,090	11,294,562	11,433.7	18	20,769,257	55,326,118.0	1.29	146.24	4.13	35.37	15.74
Unknown	1	1	2	60	240	0.2	0	455	1,399.7	2.20	60.00	2.00	30.00	0.00
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
Female	22,095	22,095	93,361	3,169,054	8,987,040	8,134.2	1,823	21,121,399	52,757,784.3	1.05	143.43	4.23	33.94	2241.16
Male	21,491	21,491	92,514	3,157,364	9,158,885	8,119.6	1,771	20,661,691	52,294,017.2	1.04	146.92	4.30	34.13	2181.15
Unknown	1	1	2	60	240	0.2	0	455	1,327.5	2.20	60.00	2.00	30.00	0.00
ANC value 1.0- <1.5 K/UL														
Female	27,721	27,721	114,100	3,992,590	11,107,966	11,554.2	98	21,292,081	57,002,563.0	1.30	144.03	4.12	34.99	84.82
Male	26,780	26,780	110,659	3,912,284	11,233,445	11,334.1	90	20,767,503	55,273,744.0	1.29	146.09	4.13	35.35	79.41
Unknown	1	1	2	60	240	0.2	0	455	1,398.6	2.20	60.00	2.00	30.00	0.00
ANC value 0.5 - <1.0 K/UL														
Female	27,825	27,825	114,468	4,006,362	11,150,163	11,635.5	40	21,293,912	57,060,725.5	1.31	143.98	4.11	35.00	34.38
Male	26,861	26,861	110,977	3,925,795	11,276,988	11,402.4	38	20,768,985	55,316,803.4	1.29	146.15	4.13	35.37	33.33
Unknown	1	1	2	60	240	0.2	0	455	1,399.6	2.20	60.00	2.00	30.00	0.00
ANC value < 0.5 K/UL														
Female	27,865	27,865	114,597	4,010,439	11,167,325	11,652.3	24	21,294,331	57,073,469.7	1.31	143.92	4.11	35.00	20.60
Male	26,902	26,902	111,137	3,931,109	11,297,160	11,437.0	19	20,769,397	55,328,107.2	1.30	146.13	4.13	35.37	16.61
Unknown	1	1	2	60	240	0.2	0	455	1,400.1	2.20	60.00	2.00	30.00	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Topiramate														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only														
Female	149,206	149,206	415,199	14,565,534	30,951,109	44,198.8	5	21,294,333	56,962,220.4	7.01	97.62	2.78	35.08	1.13
Male	35,007	35,007	84,435	2,930,225	6,127,803	9,003.8	3	20,769,372	55,309,890.5	1.69	83.70	2.41	34.70	3.33
Unknown	3	3	6	144	395	0.4	0	455	1,396.7	6.59	48.00	2.00	24.00	0.00
Agranulocytosis and ANC value \geq 0 K/UL														
Female	149,206	149,206	415,199	14,565,534	30,951,109	44,199.1	0	21,294,333	56,962,201.6	7.01	97.62	2.78	35.08	0.00
Male	35,007	35,007	84,435	2,930,225	6,127,803	9,004.2	0	20,769,370	55,309,872.7	1.69	83.70	2.41	34.70	0.00
Unknown	3	3	6	144	395	0.4	0	455	1,396.7	6.59	48.00	2.00	24.00	0.00
Agranulocytosis and ANC value \geq 1.5 K/UL														
Female	149,206	149,206	415,199	14,565,534	30,951,109	44,199.1	0	21,294,333	56,962,205.4	7.01	97.62	2.78	35.08	0.00
Male	35,007	35,007	84,435	2,930,225	6,127,803	9,004.2	0	20,769,371	55,309,877.7	1.69	83.70	2.41	34.70	0.00
Unknown	3	3	6	144	395	0.4	0	455	1,396.7	6.59	48.00	2.00	24.00	0.00
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
Female	149,206	149,206	415,199	14,565,534	30,951,109	44,199.1	0	21,294,333	56,962,218.8	7.01	97.62	2.78	35.08	0.00
Male	35,007	35,007	84,435	2,930,225	6,127,803	9,004.2	0	20,769,372	55,309,888.4	1.69	83.70	2.41	34.70	0.00
Unknown	3	3	6	144	395	0.4	0	455	1,396.7	6.59	48.00	2.00	24.00	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
Female	149,206	149,206	415,199	14,565,534	30,951,109	44,199.1	0	21,294,333	56,962,218.1	7.01	97.62	2.78	35.08	0.00
Male	35,007	35,007	84,435	2,930,225	6,127,803	9,004.2	0	20,769,371	55,309,887.6	1.69	83.70	2.41	34.70	0.00
Unknown	3	3	6	144	395	0.4	0	455	1,396.7	6.59	48.00	2.00	24.00	0.00
Agranulocytosis and ANC value < 0.5 K/UL														
Female	149,206	149,206	415,199	14,565,534	30,951,109	44,199.1	0	21,294,333	56,962,218.8	7.01	97.62	2.78	35.08	0.00
Male	35,007	35,007	84,435	2,930,225	6,127,803	9,004.2	0	20,769,372	55,309,888.0	1.69	83.70	2.41	34.70	0.00
Unknown	3	3	6	144	395	0.4	0	455	1,396.7	6.59	48.00	2.00	24.00	0.00
ANC value \geq 0 K/UL														
Female	131,094	131,094	368,463	12,851,767	27,326,827	35,623.6	8,260	21,121,257	52,663,799.1	6.21	98.03	2.81	34.88	2318.69
Male	31,031	31,031	75,031	2,589,040	5,421,369	7,382.5	1,583	20,661,550	52,274,724.2	1.50	83.43	2.42	34.51	2144.26
Unknown	2	2	5	137	381	0.1	1	455	1,324.2	4.40	68.50	2.50	27.40	89085.37

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value ≥ 1.5 K/UL														
Female	131,211	131,211	368,789	12,862,658	27,353,505	35,662.8	8,229	21,124,292	52,709,093.9	6.21	98.03	2.81	34.88	2307.45
Male	31,057	31,057	75,096	2,591,316	5,426,554	7,392.7	1,574	20,664,161	52,309,987.0	1.50	83.44	2.42	34.51	2129.14
Unknown	2	2	5	137	381	0.1	1	455	1,325.0	4.40	68.50	2.50	27.40	89085.37
ANC value 1.0- <1.5 K/UL														
Female	149,059	149,059	414,747	14,548,772	30,912,729	44,115.7	81	21,292,864	56,908,550.3	7.00	97.60	2.78	35.08	18.36
Male	34,976	34,976	84,378	2,928,181	6,123,488	8,987.3	19	20,768,174	55,268,615.6	1.68	83.72	2.41	34.70	21.14
Unknown	3	3	6	144	395	0.4	0	455	1,395.7	6.59	48.00	2.00	24.00	0.00
ANC value 0.5 - <1.0 K/UL														
Female	149,174	149,174	415,126	14,562,242	30,943,155	44,180.9	20	21,293,936	56,949,582.8	7.01	97.62	2.78	35.08	4.53
Male	34,997	34,997	84,416	2,929,682	6,126,770	8,999.1	6	20,768,990	55,298,471.2	1.69	83.71	2.41	34.71	6.67
Unknown	3	3	6	144	395	0.4	0	455	1,396.2	6.59	48.00	2.00	24.00	0.00
ANC value < 0.5 K/UL														
Female	149,202	149,202	415,186	14,564,998	30,950,105	44,195.2	9	21,294,196	56,957,647.6	7.01	97.62	2.78	35.08	2.04
Male	35,004	35,004	84,429	2,929,978	6,127,496	9,002.6	5	20,769,257	55,305,809.7	1.69	83.70	2.41	34.70	5.55
Unknown	3	3	6	144	395	0.4	0	455	1,396.7	6.59	48.00	2.00	24.00	0.00
<i>Incident with respect to ANC value*</i>														
ANC value ≥ 1.5 K/UL														
Female	131,097	131,097	368,467	12,851,862	27,327,148	35,636.5	8,205	21,121,399	52,665,494.3	6.21	98.03	2.81	34.88	2302.41
Male	31,031	31,031	75,031	2,589,040	5,421,369	7,387.7	1,569	20,661,691	52,276,389.7	1.50	83.43	2.42	34.51	2123.79
Unknown	2	2	5	137	381	0.1	1	455	1,324.6	4.40	68.50	2.50	27.40	89085.37
ANC value 1.0- <1.5 K/UL														
Female	149,011	149,011	414,642	14,545,047	30,904,652	44,104.9	80	21,292,081	56,889,053.7	7.00	97.61	2.78	35.08	18.14
Male	34,962	34,962	84,343	2,927,145	6,120,736	8,984.2	19	20,767,503	55,253,439.8	1.68	83.72	2.41	34.71	21.15
Unknown	3	3	6	144	395	0.4	0	455	1,395.7	6.59	48.00	2.00	24.00	0.00
ANC value 0.5 - <1.0 K/UL														
Female	149,172	149,172	415,116	14,561,800	30,942,528	44,179.7	20	21,293,912	56,947,021.2	7.01	97.62	2.78	35.08	4.53
Male	34,996	34,996	84,414	2,929,628	6,126,716	8,998.9	6	20,768,985	55,296,497.0	1.69	83.71	2.41	34.71	6.67
Unknown	3	3	6	144	395	0.4	0	455	1,396.6	6.59	48.00	2.00	24.00	0.00
ANC value < 0.5 K/UL														
Female	149,205	149,205	415,190	14,565,093	30,950,426	44,195.5	9	21,294,331	56,959,737.9	7.01	97.62	2.78	35.08	2.04
Male	35,004	35,004	84,429	2,929,978	6,127,496	9,002.6	5	20,769,397	55,307,814.6	1.69	83.70	2.41	34.70	5.55
Unknown	3	3	6	144	395	0.4	0	455	1,397.1	6.59	48.00	2.00	24.00	0.00

*Incidence with respect to ANC value is defined by ANC values of the same or "worse" ANC category (i.e., a value 0.5 - <1.0 K/UL must be incident with respect to a value < 1.0 K/UL). See specifications for more details.

Table 4. Summary of Anti-Epileptic Drug use and Events in the MSDD between January 1, 2006 and June 30, 2013, by Drug Product, Event Definition, and Year

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Carbamazepine - Agranulocytosis (incident with respect to agranulocytosis)														
<i>Incident with respect to agranulocytosis</i>														
<i>Agranulocytosis only</i>														
2006	3,899	3,899	11,570	485,899	1,415,445	1,434.1	0	16,940,582	9,479,876.8	0.23	124.62	2.97	42.00	0.00
2007	4,851	4,851	12,835	504,873	1,514,672	1,510.7	0	20,752,142	14,723,942.3	0.23	104.08	2.65	39.34	0.00
2008	5,360	5,360	13,352	497,939	1,425,097	1,503.2	1	21,767,327	16,914,877.4	0.25	92.90	2.49	37.29	6.65
2009	4,966	4,966	12,238	443,286	1,229,933	1,342.6	1	20,896,745	16,485,941.9	0.24	89.26	2.46	36.22	7.45
2010	4,602	4,602	11,489	413,973	1,137,878	1,252.1	0	20,352,729	16,044,592.7	0.23	89.96	2.50	36.03	0.00
2011	4,374	4,374	10,841	392,439	1,056,389	1,186.3	2	20,040,046	15,924,060.2	0.22	89.72	2.48	36.20	16.86
2012	4,227	4,227	9,142	321,442	822,596	985.1	0	19,413,964	15,489,589.4	0.22	76.04	2.16	35.16	0.00
2013	2,008	2,008	3,881	132,999	337,187	411.6	0	16,328,839	7,334,932.7	0.12	66.23	1.93	34.27	0.00
<i>Agranulocytosis and ANC value ≥ 0 K/UL</i>														
2006	3,899	3,899	11,570	485,899	1,415,445	1,434.1	0	16,940,582	9,479,875.7	0.23	124.62	2.97	42.00	0.00
2007	4,851	4,851	12,835	504,873	1,514,672	1,510.7	0	20,752,140	14,723,940.3	0.23	104.08	2.65	39.34	0.00
2008	5,360	5,360	13,352	497,939	1,425,097	1,503.4	0	21,767,325	16,914,874.8	0.25	92.90	2.49	37.29	0.00
2009	4,966	4,966	12,238	443,286	1,229,933	1,342.7	0	20,896,742	16,485,935.4	0.24	89.26	2.46	36.22	0.00
2010	4,602	4,602	11,489	413,973	1,137,878	1,252.1	0	20,352,727	16,044,585.7	0.23	89.96	2.50	36.03	0.00
2011	4,374	4,374	10,841	392,439	1,056,389	1,186.7	0	20,040,044	15,924,052.5	0.22	89.72	2.48	36.20	0.00
2012	4,227	4,227	9,142	321,442	822,596	985.1	0	19,413,961	15,489,582.7	0.22	76.04	2.16	35.16	0.00
2013	2,008	2,008	3,881	132,999	337,187	411.6	0	16,328,834	7,334,929.7	0.12	66.23	1.93	34.27	0.00
<i>Agranulocytosis and ANC value ≥ 1.5 K/UL</i>														
2006	3,899	3,899	11,570	485,899	1,415,445	1,434.1	0	16,940,582	9,479,875.8	0.23	124.62	2.97	42.00	0.00
2007	4,851	4,851	12,835	504,873	1,514,672	1,510.7	0	20,752,140	14,723,940.7	0.23	104.08	2.65	39.34	0.00
2008	5,360	5,360	13,352	497,939	1,425,097	1,503.4	0	21,767,326	16,914,875.4	0.25	92.90	2.49	37.29	0.00
2009	4,966	4,966	12,238	443,286	1,229,933	1,342.7	0	20,896,742	16,485,936.7	0.24	89.26	2.46	36.22	0.00
2010	4,602	4,602	11,489	413,973	1,137,878	1,252.1	0	20,352,727	16,044,587.6	0.23	89.96	2.50	36.03	0.00
2011	4,374	4,374	10,841	392,439	1,056,389	1,186.7	0	20,040,044	15,924,054.4	0.22	89.72	2.48	36.20	0.00
2012	4,227	4,227	9,142	321,442	822,596	985.1	0	19,413,963	15,489,584.5	0.22	76.04	2.16	35.16	0.00
2013	2,008	2,008	3,881	132,999	337,187	411.6	0	16,328,836	7,334,930.5	0.12	66.23	1.93	34.27	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
2006	3,899	3,899	11,570	485,899	1,415,445	1,434.1	0	16,940,582	9,479,876.7	0.23	124.62	2.97	42.00	0.00
2007	4,851	4,851	12,835	504,873	1,514,672	1,510.7	0	20,752,142	14,723,942.0	0.23	104.08	2.65	39.34	0.00
2008	5,360	5,360	13,352	497,939	1,425,097	1,503.4	0	21,767,326	16,914,877.3	0.25	92.90	2.49	37.29	0.00
2009	4,966	4,966	12,238	443,286	1,229,933	1,342.7	0	20,896,745	16,485,941.4	0.24	89.26	2.46	36.22	0.00
2010	4,602	4,602	11,489	413,973	1,137,878	1,252.1	0	20,352,729	16,044,591.9	0.23	89.96	2.50	36.03	0.00
2011	4,374	4,374	10,841	392,439	1,056,389	1,186.7	0	20,040,046	15,924,059.3	0.22	89.72	2.48	36.20	0.00
2012	4,227	4,227	9,142	321,442	822,596	985.1	0	19,413,963	15,489,588.7	0.22	76.04	2.16	35.16	0.00
2013	2,008	2,008	3,881	132,999	337,187	411.6	0	16,328,839	7,334,932.4	0.12	66.23	1.93	34.27	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
2006	3,899	3,899	11,570	485,899	1,415,445	1,434.1	0	16,940,582	9,479,876.8	0.23	124.62	2.97	42.00	0.00
2007	4,851	4,851	12,835	504,873	1,514,672	1,510.7	0	20,752,142	14,723,942.1	0.23	104.08	2.65	39.34	0.00
2008	5,360	5,360	13,352	497,939	1,425,097	1,503.4	0	21,767,327	16,914,877.1	0.25	92.90	2.49	37.29	0.00
2009	4,966	4,966	12,238	443,286	1,229,933	1,342.7	0	20,896,745	16,485,941.3	0.24	89.26	2.46	36.22	0.00
2010	4,602	4,602	11,489	413,973	1,137,878	1,252.1	0	20,352,729	16,044,591.8	0.23	89.96	2.50	36.03	0.00
2011	4,374	4,374	10,841	392,439	1,056,389	1,186.7	0	20,040,046	15,924,059.1	0.22	89.72	2.48	36.20	0.00
2012	4,227	4,227	9,142	321,442	822,596	985.1	0	19,413,964	15,489,588.6	0.22	76.04	2.16	35.16	0.00
2013	2,008	2,008	3,881	132,999	337,187	411.6	0	16,328,838	7,334,932.4	0.12	66.23	1.93	34.27	0.00
Agranulocytosis and ANC value < 0.5 K/UL														
2006	3,899	3,899	11,570	485,899	1,415,445	1,434.1	0	16,940,582	9,479,876.7	0.23	124.62	2.97	42.00	0.00
2007	4,851	4,851	12,835	504,873	1,514,672	1,510.7	0	20,752,142	14,723,942.0	0.23	104.08	2.65	39.34	0.00
2008	5,360	5,360	13,352	497,939	1,425,097	1,503.4	0	21,767,327	16,914,877.0	0.25	92.90	2.49	37.29	0.00
2009	4,966	4,966	12,238	443,286	1,229,933	1,342.7	0	20,896,745	16,485,941.0	0.24	89.26	2.46	36.22	0.00
2010	4,602	4,602	11,489	413,973	1,137,878	1,252.1	0	20,352,729	16,044,591.7	0.23	89.96	2.50	36.03	0.00
2011	4,374	4,374	10,841	392,439	1,056,389	1,186.7	0	20,040,046	15,924,059.2	0.22	89.72	2.48	36.20	0.00
2012	4,227	4,227	9,142	321,442	822,596	985.1	0	19,413,963	15,489,588.5	0.22	76.04	2.16	35.16	0.00
2013	2,008	2,008	3,881	132,999	337,187	411.6	0	16,328,838	7,334,932.2	0.12	66.23	1.93	34.27	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value ≥ 0 K/UL														
2006	3,581	3,581	10,565	446,641	1,305,247	1,084.8	324	16,792,185	9,149,444.2	0.21	124.73	2.95	42.28	2986.63
2007	4,424	4,424	11,860	467,741	1,416,548	1,179.4	349	20,386,488	14,088,891.9	0.22	105.73	2.68	39.44	2959.25
2008	4,752	4,752	12,043	451,896	1,301,675	1,173.5	423	21,536,317	16,019,031.7	0.22	95.10	2.53	37.52	3604.69
2009	4,264	4,264	10,479	376,104	1,038,994	931.1	480	20,657,053	15,413,678.7	0.21	88.20	2.46	35.89	5155.38
2010	3,818	3,818	9,623	340,730	931,027	865.6	466	20,049,267	14,807,917.0	0.19	89.24	2.52	35.41	5383.30
2011	3,638	3,638	9,210	323,304	881,118	816.8	417	19,741,061	14,672,545.0	0.18	88.87	2.53	35.10	5104.98
2012	3,512	3,512	7,591	265,227	687,946	694.6	443	19,096,389	14,205,508.6	0.18	75.52	2.16	34.94	6377.44
2013	1,648	1,648	3,198	108,479	277,503	294.4	189	15,887,701	6,684,724.6	0.10	65.82	1.94	33.92	6420.53
ANC value ≥1.5 K/UL														
2006	3,583	3,583	10,567	446,731	1,305,487	1,085.8	321	16,794,716	9,153,161.7	0.21	124.68	2.95	42.28	2956.26
2007	4,429	4,429	11,865	467,884	1,417,684	1,183.4	345	20,391,476	14,096,064.4	0.22	105.64	2.68	39.43	2915.30
2008	4,758	4,758	12,113	454,070	1,306,877	1,175.3	420	21,540,544	16,028,658.4	0.22	95.43	2.55	37.49	3573.64
2009	4,271	4,271	10,500	376,916	1,041,067	932.4	477	20,661,323	15,424,955.4	0.21	88.25	2.46	35.90	5115.70
2010	3,829	3,829	9,640	341,292	932,831	870.6	463	20,055,038	14,820,933.7	0.19	89.13	2.52	35.40	5317.95
2011	3,644	3,644	9,227	324,538	883,648	820.6	415	19,747,171	14,686,558.3	0.18	89.06	2.53	35.17	5057.38
2012	3,518	3,518	7,598	265,481	688,289	696.7	439	19,103,010	14,220,083.4	0.18	75.46	2.16	34.94	6301.45
2013	1,654	1,654	3,205	108,736	278,017	295.3	188	15,895,614	6,691,990.7	0.10	65.74	1.94	33.93	6365.48
ANC value 1.0- <1.5 K/UL														
2006	3,895	3,895	11,566	485,749	1,415,025	1,414.0	14	16,939,413	9,476,102.2	0.23	124.71	2.97	42.00	99.01
2007	4,848	4,848	12,831	504,735	1,514,616	1,501.1	9	20,747,963	14,716,965.6	0.23	104.11	2.65	39.34	59.95
2008	5,358	5,358	13,349	497,826	1,424,887	1,500.3	13	21,765,316	16,904,699.3	0.25	92.91	2.49	37.29	86.65
2009	4,956	4,956	12,207	442,159	1,227,500	1,331.6	11	20,894,480	16,472,752.8	0.24	89.22	2.46	36.22	82.61
2010	4,589	4,589	11,467	413,142	1,135,507	1,241.5	11	20,349,637	16,028,523.9	0.23	90.03	2.50	36.03	88.61
2011	4,365	4,365	10,821	391,005	1,053,440	1,176.2	15	20,036,876	15,906,739.6	0.22	89.58	2.48	36.13	127.53
2012	4,220	4,220	9,141	321,604	823,265	983.7	8	19,410,643	15,471,104.4	0.22	76.21	2.17	35.18	81.32
2013	2,002	2,002	3,874	132,742	336,673	409.9	3	16,323,927	7,325,796.6	0.12	66.30	1.94	34.26	73.18

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 0.5 - <1.0 K/UL														
2006	3,897	3,897	11,568	485,839	1,415,265	1,433.9	0	16,940,223	9,478,746.2	0.23	124.67	2.97	42.00	0.00
2007	4,849	4,849	12,833	504,838	1,514,382	1,503.5	4	20,751,043	14,721,941.2	0.23	104.11	2.65	39.34	26.60
2008	5,357	5,357	13,349	497,888	1,425,005	1,503.1	2	21,766,683	16,912,077.9	0.25	92.94	2.49	37.30	13.31
2009	4,966	4,966	12,238	443,286	1,229,933	1,342.6	2	20,896,082	16,482,575.6	0.24	89.26	2.46	36.22	14.90
2010	4,600	4,600	11,487	413,928	1,137,773	1,250.6	1	20,351,789	16,040,711.0	0.23	89.98	2.50	36.03	8.00
2011	4,370	4,370	10,835	392,189	1,055,844	1,185.3	1	20,039,088	15,919,929.5	0.22	89.75	2.48	36.20	8.44
2012	4,224	4,224	9,138	321,339	822,394	984.6	2	19,412,884	15,485,076.7	0.22	76.07	2.16	35.17	20.31
2013	2,008	2,008	3,881	132,999	337,187	411.6	0	16,327,257	7,332,671.6	0.12	66.23	1.93	34.27	0.00
ANC value < 0.5 K/UL														
2006	3,898	3,898	11,569	485,869	1,415,355	1,433.0	2	16,940,482	9,479,522.9	0.23	124.65	2.97	42.00	13.96
2007	4,849	4,849	12,833	504,813	1,514,552	1,509.6	3	20,751,783	14,721,837.3	0.23	104.11	2.65	39.34	19.87
2008	5,359	5,359	13,351	497,938	1,425,095	1,503.4	1	21,767,077	16,913,918.1	0.25	92.92	2.49	37.30	6.65
2009	4,967	4,967	12,239	443,316	1,229,993	1,342.8	0	20,896,510	16,484,922.2	0.24	89.25	2.46	36.22	0.00
2010	4,601	4,601	11,488	413,971	1,137,874	1,251.9	2	20,352,380	16,043,414.5	0.23	89.97	2.50	36.04	15.98
2011	4,373	4,373	10,839	392,394	1,056,299	1,186.5	0	20,039,717	15,922,816.2	0.22	89.73	2.48	36.20	0.00
2012	4,227	4,227	9,142	321,442	822,596	985.1	0	19,413,597	15,488,384.5	0.22	76.04	2.16	35.16	0.00
2013	2,007	2,007	3,880	132,969	337,127	411.5	0	16,328,324	7,334,340.5	0.12	66.25	1.93	34.27	0.00
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
2006	3,581	3,581	10,565	446,641	1,305,247	1,085.5	321	16,792,359	9,149,703.3	0.21	124.73	2.95	42.28	2957.08
2007	4,424	4,424	11,860	467,741	1,416,548	1,183.0	344	20,386,742	14,089,328.4	0.22	105.73	2.68	39.44	2907.75
2008	4,752	4,752	12,043	451,896	1,301,675	1,174.3	419	21,536,541	16,019,619.9	0.22	95.10	2.53	37.52	3568.05
2009	4,264	4,264	10,479	376,104	1,038,994	931.4	475	20,657,304	15,414,202.7	0.21	88.20	2.46	35.89	5100.07
2010	3,818	3,818	9,623	340,730	931,027	868.9	462	20,049,435	14,808,382.3	0.19	89.24	2.52	35.41	5317.20
2011	3,638	3,638	9,210	323,304	881,118	817.6	412	19,741,256	14,673,002.9	0.18	88.87	2.53	35.10	5039.35
2012	3,512	3,512	7,591	265,227	687,946	695.8	439	19,096,556	14,205,964.5	0.18	75.52	2.16	34.94	6309.33
2013	1,648	1,648	3,198	108,479	277,503	294.5	188	15,887,900	6,684,902.1	0.10	65.82	1.94	33.92	6384.78

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 1.0- <1.5 K/UL														
2006	3,895	3,895	11,566	485,749	1,415,025	1,414.0	14	16,938,607	9,474,277.6	0.23	124.71	2.97	42.00	99.01
2007	4,843	4,843	12,826	504,550	1,513,396	1,500.5	9	20,746,486	14,711,863.1	0.23	104.18	2.65	39.34	59.98
2008	5,352	5,352	13,279	495,681	1,419,743	1,494.3	12	21,764,126	16,900,138.8	0.25	92.62	2.48	37.33	80.30
2009	4,955	4,955	12,201	441,619	1,221,560	1,330.1	11	20,893,408	16,468,155.4	0.24	89.13	2.46	36.20	82.70
2010	4,585	4,585	11,462	412,915	1,135,038	1,241.3	10	20,348,114	16,023,417.8	0.23	90.06	2.50	36.02	80.56
2011	4,361	4,361	10,815	390,840	1,053,080	1,175.7	15	20,035,378	15,901,405.0	0.22	89.62	2.48	36.14	127.59
2012	4,217	4,217	9,137	321,500	823,087	983.3	8	19,408,956	15,465,698.9	0.22	76.24	2.17	35.19	81.36
2013	2,001	2,001	3,873	132,712	336,613	409.8	3	16,321,745	7,322,995.0	0.12	66.32	1.94	34.27	73.20
ANC value 0.5 - <1.0 K/UL														
2006	3,897	3,897	11,568	485,839	1,415,265	1,433.9	0	16,940,226	9,478,639.5	0.23	124.67	2.97	42.00	0.00
2007	4,847	4,847	12,831	504,778	1,514,262	1,503.3	4	20,750,937	14,720,212.2	0.23	104.14	2.65	39.34	26.61
2008	5,356	5,356	13,284	495,844	1,420,073	1,497.4	2	21,766,607	16,911,667.6	0.25	92.58	2.48	37.33	13.36
2009	4,967	4,967	12,239	443,316	1,229,993	1,342.7	2	20,896,019	16,482,173.6	0.24	89.25	2.46	36.22	14.90
2010	4,599	4,599	11,486	413,926	1,137,769	1,250.6	1	20,351,608	16,040,158.0	0.23	90.00	2.50	36.04	8.00
2011	4,369	4,369	10,833	392,144	1,055,754	1,185.1	1	20,038,953	15,919,372.0	0.22	89.76	2.48	36.20	8.44
2012	4,224	4,224	9,138	321,339	822,394	984.6	2	19,412,687	15,484,598.5	0.22	76.07	2.16	35.17	20.31
2013	2,007	2,007	3,880	132,969	337,127	411.5	0	16,326,981	7,332,369.2	0.12	66.25	1.93	34.27	0.00
ANC value < 0.5 K/UL														
2006	3,898	3,898	11,569	485,869	1,415,355	1,433.0	2	16,940,639	9,479,806.5	0.23	124.65	2.97	42.00	13.96
2007	4,849	4,849	12,833	504,813	1,514,552	1,509.6	3	20,752,064	14,722,320.0	0.23	104.11	2.65	39.34	19.87
2008	5,359	5,359	13,351	497,938	1,425,095	1,503.4	1	21,767,285	16,914,590.4	0.25	92.92	2.49	37.30	6.65
2009	4,967	4,967	12,239	443,316	1,229,993	1,342.8	0	20,896,734	16,485,571.8	0.24	89.25	2.46	36.22	0.00
2010	4,601	4,601	11,488	413,971	1,137,874	1,251.9	2	20,352,550	16,044,006.1	0.23	89.97	2.50	36.04	15.98
2011	4,373	4,373	10,839	392,394	1,056,299	1,186.5	0	20,039,920	15,923,409.8	0.22	89.73	2.48	36.20	0.00
2012	4,227	4,227	9,142	321,442	822,596	985.1	0	19,413,755	15,488,971.9	0.22	76.04	2.16	35.16	0.00
2013	2,007	2,007	3,880	132,969	337,127	411.5	0	16,328,539	7,334,580.3	0.12	66.25	1.93	34.27	0.00

	New Users	New Episodes	Days Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Lamotrigine - Agranulocytosis (incident with respect to agranulocytosis)														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only														
2006	7,536	7,536	33,814	1,283,538	2,394,816	3,739.4	0	16,940,582	9,479,904.0	0.44	170.32	4.49	37.96	0.00
2007	12,583	12,583	56,061	2,024,881	3,512,718	5,924.7	0	20,751,771	14,723,923.9	0.61	160.92	4.46	36.12	0.00
2008	15,506	15,506	64,875	2,255,431	3,906,608	6,636.2	0	21,764,873	16,913,661.9	0.71	145.46	4.18	34.77	0.00
2009	13,891	13,891	57,059	2,010,244	3,527,471	5,907.4	0	20,891,499	16,483,085.8	0.66	144.72	4.11	35.23	0.00
2010	13,176	13,176	53,984	1,928,311	3,443,671	5,653.7	0	20,345,449	16,040,280.2	0.65	146.35	4.10	35.72	0.00
2011	12,989	12,989	49,663	1,771,129	3,060,833	5,201.7	0	20,030,789	15,918,295.1	0.65	136.36	3.82	35.66	0.00
2012	12,750	12,750	45,142	1,566,303	2,736,490	4,621.2	2	19,403,237	15,482,871.6	0.66	122.85	3.54	34.70	4.33
2013	6,196	6,196	19,110	636,103	1,128,146	1,891.8	0	16,319,222	7,331,335.5	0.38	102.66	3.08	33.29	0.00
Agranulocytosis and ANC value \geq 0 K/UL														
2006	7,536	7,536	33,814	1,283,538	2,394,816	3,739.4	0	16,940,582	9,479,902.9	0.44	170.32	4.49	37.96	0.00
2007	12,583	12,583	56,061	2,024,881	3,512,718	5,924.7	0	20,751,769	14,723,921.9	0.61	160.92	4.46	36.12	0.00
2008	15,506	15,506	64,875	2,255,431	3,906,608	6,636.2	0	21,764,871	16,913,659.3	0.71	145.46	4.18	34.77	0.00
2009	13,891	13,891	57,059	2,010,244	3,527,471	5,907.4	0	20,891,496	16,483,079.3	0.66	144.72	4.11	35.23	0.00
2010	13,176	13,176	53,984	1,928,311	3,443,671	5,653.7	0	20,345,447	16,040,273.1	0.65	146.35	4.10	35.72	0.00
2011	12,989	12,989	49,663	1,771,129	3,060,833	5,201.7	0	20,030,787	15,918,287.4	0.65	136.36	3.82	35.66	0.00
2012	12,750	12,750	45,142	1,566,303	2,736,490	4,621.5	0	19,403,234	15,482,864.9	0.66	122.85	3.54	34.70	0.00
2013	6,196	6,196	19,110	636,103	1,128,146	1,891.8	0	16,319,217	7,331,332.5	0.38	102.66	3.08	33.29	0.00
Agranulocytosis and ANC value \geq 1.5 K/UL														
2006	7,536	7,536	33,814	1,283,538	2,394,816	3,739.4	0	16,940,582	9,479,903.0	0.44	170.32	4.49	37.96	0.00
2007	12,583	12,583	56,061	2,024,881	3,512,718	5,924.7	0	20,751,769	14,723,922.3	0.61	160.92	4.46	36.12	0.00
2008	15,506	15,506	64,875	2,255,431	3,906,608	6,636.2	0	21,764,872	16,913,659.9	0.71	145.46	4.18	34.77	0.00
2009	13,891	13,891	57,059	2,010,244	3,527,471	5,907.4	0	20,891,496	16,483,080.6	0.66	144.72	4.11	35.23	0.00
2010	13,176	13,176	53,984	1,928,311	3,443,671	5,653.7	0	20,345,447	16,040,275.1	0.65	146.35	4.10	35.72	0.00
2011	12,989	12,989	49,663	1,771,129	3,060,833	5,201.7	0	20,030,787	15,918,289.3	0.65	136.36	3.82	35.66	0.00
2012	12,750	12,750	45,142	1,566,303	2,736,490	4,621.5	0	19,403,236	15,482,866.7	0.66	122.85	3.54	34.70	0.00
2013	6,196	6,196	19,110	636,103	1,128,146	1,891.8	0	16,319,219	7,331,333.2	0.38	102.66	3.08	33.29	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
2006	7,536	7,536	33,814	1,283,538	2,394,816	3,739.4	0	16,940,582	9,479,903.9	0.44	170.32	4.49	37.96	0.00
2007	12,583	12,583	56,061	2,024,881	3,512,718	5,924.7	0	20,751,771	14,723,923.6	0.61	160.92	4.46	36.12	0.00
2008	15,506	15,506	64,875	2,255,431	3,906,608	6,636.2	0	21,764,872	16,913,661.8	0.71	145.46	4.18	34.77	0.00
2009	13,891	13,891	57,059	2,010,244	3,527,471	5,907.4	0	20,891,499	16,483,085.4	0.66	144.72	4.11	35.23	0.00
2010	13,176	13,176	53,984	1,928,311	3,443,671	5,653.7	0	20,345,449	16,040,279.4	0.65	146.35	4.10	35.72	0.00
2011	12,989	12,989	49,663	1,771,129	3,060,833	5,201.7	0	20,030,789	15,918,294.3	0.65	136.36	3.82	35.66	0.00
2012	12,750	12,750	45,142	1,566,303	2,736,490	4,621.5	0	19,403,236	15,482,870.9	0.66	122.85	3.54	34.70	0.00
2013	6,196	6,196	19,110	636,103	1,128,146	1,891.8	0	16,319,222	7,331,335.1	0.38	102.66	3.08	33.29	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
2006	7,536	7,536	33,814	1,283,538	2,394,816	3,739.4	0	16,940,582	9,479,904.0	0.44	170.32	4.49	37.96	0.00
2007	12,583	12,583	56,061	2,024,881	3,512,718	5,924.7	0	20,751,771	14,723,923.7	0.61	160.92	4.46	36.12	0.00
2008	15,506	15,506	64,875	2,255,431	3,906,608	6,636.2	0	21,764,873	16,913,661.6	0.71	145.46	4.18	34.77	0.00
2009	13,891	13,891	57,059	2,010,244	3,527,471	5,907.4	0	20,891,499	16,483,085.3	0.66	144.72	4.11	35.23	0.00
2010	13,176	13,176	53,984	1,928,311	3,443,671	5,653.7	0	20,345,449	16,040,279.2	0.65	146.35	4.10	35.72	0.00
2011	12,989	12,989	49,663	1,771,129	3,060,833	5,201.7	0	20,030,789	15,918,294.1	0.65	136.36	3.82	35.66	0.00
2012	12,750	12,750	45,142	1,566,303	2,736,490	4,621.5	0	19,403,237	15,482,870.8	0.66	122.85	3.54	34.70	0.00
2013	6,196	6,196	19,110	636,103	1,128,146	1,891.8	0	16,319,221	7,331,335.2	0.38	102.66	3.08	33.29	0.00
Agranulocytosis and ANC value < 0.5 K/UL														
2006	7,536	7,536	33,814	1,283,538	2,394,816	3,739.4	0	16,940,582	9,479,903.9	0.44	170.32	4.49	37.96	0.00
2007	12,583	12,583	56,061	2,024,881	3,512,718	5,924.7	0	20,751,771	14,723,923.5	0.61	160.92	4.46	36.12	0.00
2008	15,506	15,506	64,875	2,255,431	3,906,608	6,636.2	0	21,764,873	16,913,661.4	0.71	145.46	4.18	34.77	0.00
2009	13,891	13,891	57,059	2,010,244	3,527,471	5,907.4	0	20,891,499	16,483,085.0	0.66	144.72	4.11	35.23	0.00
2010	13,176	13,176	53,984	1,928,311	3,443,671	5,653.7	0	20,345,449	16,040,279.1	0.65	146.35	4.10	35.72	0.00
2011	12,989	12,989	49,663	1,771,129	3,060,833	5,201.7	0	20,030,789	15,918,294.1	0.65	136.36	3.82	35.66	0.00
2012	12,750	12,750	45,142	1,566,303	2,736,490	4,621.5	0	19,403,236	15,482,870.7	0.66	122.85	3.54	34.70	0.00
2013	6,196	6,196	19,110	636,103	1,128,146	1,891.8	0	16,319,221	7,331,335.0	0.38	102.66	3.08	33.29	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value ≥ 0 K/UL														
2006	6,944	6,944	31,105	1,186,371	2,218,510	3,128.1	383	16,792,185	9,149,468.5	0.41	170.85	4.48	38.14	1224.39
2007	11,527	11,527	51,287	1,860,487	3,234,104	4,925.0	625	20,386,171	14,088,868.4	0.57	161.40	4.45	36.28	1269.04
2008	14,053	14,053	58,391	2,036,618	3,517,274	5,341.5	862	21,534,083	16,017,941.1	0.65	144.92	4.16	34.88	1613.77
2009	12,363	12,363	50,614	1,764,804	3,092,203	4,591.7	914	20,652,247	15,411,085.3	0.60	142.75	4.09	34.87	1990.53
2010	11,401	11,401	46,652	1,627,924	2,874,433	4,262.5	855	20,042,564	14,804,009.8	0.57	142.79	4.09	34.90	2005.84
2011	11,196	11,196	43,372	1,517,730	2,610,906	4,008.2	885	19,732,653	14,667,368.2	0.57	135.56	3.87	34.99	2208.00
2012	10,927	10,927	39,088	1,333,109	2,312,282	3,596.8	869	19,086,776	14,199,569.5	0.57	122.00	3.58	34.11	2416.07
2013	5,327	5,327	16,566	538,731	953,939	1,485.8	419	15,879,149	6,681,610.6	0.34	101.13	3.11	32.52	2820.01
ANC value ≥1.5 K/UL														
2006	6,948	6,948	31,113	1,186,582	2,218,780	3,129.3	382	16,794,716	9,153,186.1	0.41	170.78	4.48	38.14	1220.74
2007	11,531	11,531	51,310	1,861,177	3,235,244	4,929.6	621	20,391,158	14,096,039.8	0.57	161.41	4.45	36.27	1259.73
2008	14,064	14,064	58,447	2,038,978	3,521,690	5,355.7	857	21,538,307	16,027,567.8	0.65	144.98	4.16	34.89	1600.16
2009	12,376	12,376	50,689	1,767,149	3,098,189	4,599.0	910	20,656,519	15,422,360.0	0.60	142.79	4.10	34.86	1978.71
2010	11,416	11,416	46,755	1,631,133	2,880,517	4,268.7	854	20,048,335	14,817,028.4	0.57	142.88	4.10	34.89	2000.60
2011	11,213	11,213	43,412	1,519,093	2,614,588	4,015.8	880	19,738,763	14,681,380.9	0.57	135.48	3.87	34.99	2191.35
2012	10,935	10,935	39,097	1,333,262	2,312,663	3,602.3	858	19,093,395	14,214,145.3	0.57	121.93	3.58	34.10	2381.80
2013	5,334	5,334	16,580	539,454	954,861	1,490.1	416	15,887,058	6,688,874.1	0.34	101.13	3.11	32.54	2791.85
ANC value 1.0- <1.5 K/UL														
2006	7,529	7,529	33,793	1,282,891	2,392,158	3,732.7	4	16,939,413	9,476,129.3	0.44	170.39	4.49	37.96	10.72
2007	12,575	12,575	56,029	2,023,906	3,511,086	5,915.8	10	20,747,591	14,716,945.8	0.61	160.95	4.46	36.12	16.90
2008	15,497	15,497	64,849	2,253,875	3,903,878	6,618.1	12	21,762,866	16,903,485.4	0.71	145.44	4.18	34.76	18.13
2009	13,879	13,879	56,982	2,007,328	3,520,457	5,891.8	10	20,889,240	16,469,901.3	0.66	144.63	4.11	35.23	16.97
2010	13,158	13,158	53,880	1,924,534	3,434,493	5,637.3	14	20,342,354	16,024,209.6	0.65	146.26	4.09	35.72	24.83
2011	12,969	12,969	49,615	1,769,123	3,057,128	5,191.9	9	20,027,616	15,900,976.1	0.65	136.41	3.83	35.66	17.33
2012	12,728	12,728	45,092	1,563,984	2,731,875	4,607.4	15	19,399,918	15,464,386.6	0.66	122.88	3.54	34.68	32.56
2013	6,187	6,187	19,093	635,388	1,127,267	1,886.7	7	16,314,314	7,322,207.2	0.38	102.70	3.09	33.28	37.10

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 0.5 - <1.0 K/UL														
2006	7,533	7,533	33,803	1,283,214	2,392,536	3,738.4	1	16,940,223	9,478,773.3	0.44	170.35	4.49	37.96	2.67
2007	12,582	12,582	56,060	2,024,866	3,512,688	5,924.2	3	20,750,671	14,721,920.8	0.61	160.93	4.46	36.12	5.06
2008	15,505	15,505	64,873	2,255,251	3,906,358	6,633.7	1	21,764,228	16,910,862.4	0.71	145.45	4.18	34.76	1.51
2009	13,886	13,886	57,045	2,009,376	3,525,997	5,904.7	2	20,890,836	16,479,718.1	0.66	144.71	4.11	35.22	3.39
2010	13,172	13,172	53,980	1,928,189	3,443,417	5,651.9	4	20,344,509	16,036,396.9	0.65	146.39	4.10	35.72	7.08
2011	12,986	12,986	49,648	1,770,255	3,059,852	5,197.4	2	20,029,832	15,914,166.4	0.65	136.32	3.82	35.66	3.85
2012	12,745	12,745	45,128	1,565,780	2,735,248	4,617.9	6	19,402,162	15,478,359.8	0.66	122.85	3.54	34.70	12.99
2013	6,195	6,195	19,109	636,073	1,128,116	1,891.1	1	16,317,642	7,329,075.2	0.38	102.68	3.08	33.29	5.29
ANC value < 0.5 K/UL														
2006	7,535	7,535	33,795	1,282,608	2,392,644	3,736.8	0	16,940,482	9,479,550.0	0.44	170.22	4.49	37.95	0.00
2007	12,579	12,579	56,034	2,023,996	3,510,258	5,922.0	1	20,751,411	14,721,816.8	0.61	160.90	4.45	36.12	1.69
2008	15,506	15,506	64,881	2,255,611	3,906,852	6,636.8	0	21,764,622	16,912,702.3	0.71	145.47	4.18	34.77	0.00
2009	13,891	13,891	57,059	2,010,244	3,527,471	5,907.4	1	20,891,265	16,482,066.4	0.66	144.72	4.11	35.23	1.69
2010	13,175	13,175	53,983	1,928,281	3,443,601	5,653.6	0	20,345,101	16,039,102.4	0.65	146.36	4.10	35.72	0.00
2011	12,988	12,988	49,658	1,770,859	3,060,101	5,201.0	0	20,030,458	15,917,050.3	0.65	136.35	3.82	35.66	0.00
2012	12,749	12,749	45,141	1,566,273	2,736,460	4,621.3	1	19,402,869	15,481,665.0	0.66	122.85	3.54	34.70	2.16
2013	6,196	6,196	19,110	636,103	1,128,146	1,891.8	0	16,318,707	7,330,743.2	0.38	102.66	3.08	33.29	0.00
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
2006	6,945	6,945	31,106	1,186,439	2,218,615	3,128.8	382	16,792,359	9,149,727.7	0.41	170.83	4.48	38.14	1220.93
2007	11,527	11,527	51,287	1,860,487	3,234,104	4,927.6	621	20,386,425	14,089,305.0	0.57	161.40	4.45	36.28	1260.25
2008	14,053	14,053	58,391	2,036,618	3,517,274	5,349.0	857	21,534,306	16,018,528.8	0.65	144.92	4.16	34.88	1602.18
2009	12,364	12,364	50,615	1,764,816	3,092,227	4,592.4	908	20,652,497	15,411,608.8	0.60	142.74	4.09	34.87	1977.20
2010	11,401	11,401	46,652	1,627,924	2,874,433	4,264.9	849	20,042,731	14,804,474.5	0.57	142.79	4.09	34.90	1990.65
2011	11,196	11,196	43,372	1,517,730	2,610,906	4,012.7	876	19,732,847	14,667,825.8	0.57	135.56	3.87	34.99	2183.09
2012	10,927	10,927	39,088	1,333,109	2,312,282	3,601.6	858	19,086,942	14,200,025.2	0.57	122.00	3.58	34.11	2382.26
2013	5,327	5,327	16,566	538,731	953,939	1,487.9	416	15,879,348	6,681,788.4	0.34	101.13	3.11	32.52	2795.80

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 1.0- <1.5 K/UL														
2006	7,526	7,526	33,762	1,281,449	2,388,081	3,730.0	2	16,938,607	9,474,304.7	0.44	170.27	4.49	37.96	5.36
2007	12,572	12,572	56,003	2,023,036	3,508,656	5,913.3	10	20,746,114	14,711,842.3	0.61	160.92	4.45	36.12	16.91
2008	15,487	15,487	64,763	2,251,308	3,894,836	6,610.8	12	21,761,674	16,898,923.8	0.71	145.37	4.18	34.76	18.15
2009	13,876	13,876	56,976	2,007,167	3,520,197	5,891.3	10	20,888,166	16,465,304.8	0.66	144.65	4.11	35.23	16.97
2010	13,151	13,151	53,825	1,922,935	3,431,676	5,632.7	14	20,340,829	16,019,102.3	0.65	146.22	4.09	35.73	24.85
2011	12,964	12,964	49,583	1,768,077	3,054,830	5,188.8	9	20,026,117	15,895,639.9	0.65	136.38	3.82	35.66	17.35
2012	12,727	12,727	45,094	1,564,154	2,732,105	4,607.9	15	19,398,231	15,458,978.0	0.66	122.90	3.54	34.69	32.55
2013	6,185	6,185	19,088	635,118	1,126,857	1,885.9	7	16,312,127	7,319,404.8	0.38	102.69	3.09	33.27	37.12
ANC value 0.5 - <1.0 K/UL														
2006	7,533	7,533	33,785	1,282,352	2,390,469	3,735.9	1	16,940,226	9,478,666.6	0.44	170.23	4.48	37.96	2.68
2007	12,579	12,579	56,034	2,023,996	3,510,258	5,921.7	3	20,750,565	14,720,190.4	0.61	160.90	4.45	36.12	5.07
2008	15,505	15,505	64,879	2,255,431	3,906,602	6,634.2	1	21,764,150	16,910,451.3	0.71	145.46	4.18	34.76	1.51
2009	13,887	13,887	57,046	2,009,388	3,526,021	5,904.7	2	20,890,772	16,479,315.7	0.66	144.70	4.11	35.22	3.39
2010	13,171	13,171	53,979	1,928,159	3,443,347	5,651.8	4	20,344,327	16,035,843.4	0.65	146.39	4.10	35.72	7.08
2011	12,984	12,984	49,634	1,769,715	3,058,400	5,195.8	2	20,029,693	15,913,608.0	0.65	136.30	3.82	35.66	3.85
2012	12,745	12,745	45,128	1,565,780	2,735,248	4,617.9	6	19,401,962	15,477,878.8	0.66	122.85	3.54	34.70	12.99
2013	6,195	6,195	19,109	636,073	1,128,116	1,891.1	1	16,317,365	7,328,772.8	0.38	102.68	3.08	33.29	5.29
ANC value < 0.5 K/UL														
2006	7,536	7,536	33,796	1,282,676	2,392,749	3,737.0	0	16,940,639	9,479,833.6	0.44	170.21	4.48	37.95	0.00
2007	12,579	12,579	56,034	2,023,996	3,510,258	5,922.0	1	20,751,692	14,722,299.2	0.61	160.90	4.45	36.12	1.69
2008	15,506	15,506	64,881	2,255,611	3,906,852	6,636.8	0	21,764,829	16,913,374.1	0.71	145.47	4.18	34.77	0.00
2009	13,892	13,892	57,060	2,010,256	3,527,495	5,907.4	1	20,891,488	16,482,715.5	0.66	144.71	4.11	35.23	1.69
2010	13,175	13,175	53,983	1,928,281	3,443,601	5,653.6	0	20,345,269	16,039,692.9	0.65	146.36	4.10	35.72	0.00
2011	12,988	12,988	49,658	1,770,859	3,060,101	5,201.0	0	20,030,659	15,917,643.0	0.65	136.35	3.82	35.66	0.00
2012	12,749	12,749	45,141	1,566,273	2,736,460	4,621.3	1	19,403,026	15,482,252.5	0.66	122.85	3.54	34.70	2.16
2013	6,196	6,196	19,110	636,103	1,128,146	1,891.8	0	16,318,922	7,330,983.2	0.38	102.66	3.08	33.29	0.00

	New Users	New Episodes	Days Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Levetiracetam - Agranulocytosis (incident with respect to agranulocytosis)														
<i>Incident with respect to agranulocytosis</i>														
<i>Agranulocytosis only</i>														
2006	1,790	1,790	8,436	309,694	925,796	897.1	1	16,940,582	9,479,931.2	0.11	173.01	4.71	36.71	11.15
2007	3,842	3,842	17,111	593,264	1,700,980	1,726.4	5	20,753,530	14,724,813.5	0.19	154.42	4.45	34.67	28.96
2008	6,249	6,249	28,321	982,357	2,721,290	2,849.5	9	21,769,920	16,916,643.3	0.29	157.20	4.53	34.69	31.58
2009	7,890	7,890	37,485	1,290,411	3,783,789	3,735.2	6	20,899,785	16,488,136.7	0.38	163.55	4.75	34.42	16.06
2010	8,647	8,647	37,991	1,355,227	3,783,189	3,928.9	6	20,355,429	16,046,655.1	0.42	156.73	4.39	35.67	15.27
2011	9,982	9,982	41,336	1,511,532	4,420,087	4,377.3	13	20,042,159	15,925,770.3	0.50	151.43	4.14	36.57	29.70
2012	10,808	10,808	38,788	1,356,081	3,678,230	3,963.2	4	19,414,899	15,490,510.7	0.56	125.47	3.59	34.96	10.09
2013	5,557	5,557	16,310	545,282	1,463,566	1,608.5	4	16,328,859	7,335,080.9	0.34	98.13	2.94	33.43	24.87
<i>Agranulocytosis and ANC value ≥ 0 K/UL</i>														
2006	1,789	1,789	8,434	309,649	925,706	897.0	0	16,940,582	9,479,930.0	0.11	173.08	4.71	36.71	0.00
2007	3,842	3,842	17,111	593,264	1,700,980	1,727.6	0	20,753,528	14,724,811.6	0.19	154.42	4.45	34.67	0.00
2008	6,249	6,249	28,321	982,357	2,721,290	2,856.2	0	21,769,918	16,916,640.7	0.29	157.20	4.53	34.69	0.00
2009	7,890	7,890	37,485	1,290,411	3,783,789	3,741.3	1	20,899,782	16,488,130.2	0.38	163.55	4.75	34.42	2.67
2010	8,647	8,647	37,991	1,355,227	3,783,189	3,929.3	2	20,355,427	16,046,648.1	0.42	156.73	4.39	35.67	5.09
2011	9,982	9,982	41,336	1,511,532	4,420,087	4,383.1	4	20,042,157	15,925,762.6	0.50	151.43	4.14	36.57	9.13
2012	10,808	10,808	38,788	1,356,081	3,678,230	3,963.6	0	19,414,896	15,490,504.0	0.56	125.47	3.59	34.96	0.00
2013	5,557	5,557	16,310	545,282	1,463,566	1,609.5	1	16,328,854	7,335,078.0	0.34	98.13	2.94	33.43	6.21
<i>Agranulocytosis and ANC value ≥ 1.5 K/UL</i>														
2006	1,789	1,789	8,434	309,649	925,706	897.0	0	16,940,582	9,479,930.1	0.11	173.08	4.71	36.71	0.00
2007	3,842	3,842	17,111	593,264	1,700,980	1,727.6	0	20,753,528	14,724,812.0	0.19	154.42	4.45	34.67	0.00
2008	6,249	6,249	28,321	982,357	2,721,290	2,856.2	0	21,769,919	16,916,641.3	0.29	157.20	4.53	34.69	0.00
2009	7,890	7,890	37,485	1,290,411	3,783,789	3,741.3	1	20,899,782	16,488,131.5	0.38	163.55	4.75	34.42	2.67
2010	8,647	8,647	37,991	1,355,227	3,783,189	3,929.3	2	20,355,427	16,046,650.0	0.42	156.73	4.39	35.67	5.09
2011	9,982	9,982	41,336	1,511,532	4,420,087	4,383.1	4	20,042,157	15,925,764.6	0.50	151.43	4.14	36.57	9.13
2012	10,808	10,808	38,788	1,356,081	3,678,230	3,963.6	0	19,414,898	15,490,505.8	0.56	125.47	3.59	34.96	0.00
2013	5,557	5,557	16,310	545,282	1,463,566	1,609.5	1	16,328,856	7,335,078.7	0.34	98.13	2.94	33.43	6.21

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
2006	1,790	1,790	8,436	309,694	925,796	897.0	1	16,940,582	9,479,931.0	0.11	173.01	4.71	36.71	11.15
2007	3,842	3,842	17,111	593,264	1,700,980	1,727.6	0	20,753,530	14,724,813.2	0.19	154.42	4.45	34.67	0.00
2008	6,249	6,249	28,321	982,357	2,721,290	2,856.2	0	21,769,919	16,916,643.2	0.29	157.20	4.53	34.69	0.00
2009	7,890	7,890	37,485	1,290,411	3,783,789	3,741.4	0	20,899,785	16,488,136.3	0.38	163.55	4.75	34.42	0.00
2010	8,647	8,647	37,991	1,355,227	3,783,189	3,929.3	0	20,355,429	16,046,654.3	0.42	156.73	4.39	35.67	0.00
2011	9,982	9,982	41,336	1,511,532	4,420,087	4,383.4	0	20,042,159	15,925,769.5	0.50	151.43	4.14	36.57	0.00
2012	10,808	10,808	38,788	1,356,081	3,678,230	3,963.6	0	19,414,898	15,490,510.0	0.56	125.47	3.59	34.96	0.00
2013	5,557	5,557	16,310	545,282	1,463,566	1,609.6	0	16,328,859	7,335,080.6	0.34	98.13	2.94	33.43	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
2006	1,790	1,790	8,436	309,694	925,796	897.0	1	16,940,582	9,479,931.1	0.11	173.01	4.71	36.71	11.15
2007	3,842	3,842	17,111	593,264	1,700,980	1,727.6	0	20,753,530	14,724,813.4	0.19	154.42	4.45	34.67	0.00
2008	6,249	6,249	28,321	982,357	2,721,290	2,856.2	0	21,769,920	16,916,643.1	0.29	157.20	4.53	34.69	0.00
2009	7,890	7,890	37,485	1,290,411	3,783,789	3,741.4	0	20,899,785	16,488,136.2	0.38	163.55	4.75	34.42	0.00
2010	8,647	8,647	37,991	1,355,227	3,783,189	3,929.3	0	20,355,429	16,046,654.2	0.42	156.73	4.39	35.67	0.00
2011	9,982	9,982	41,336	1,511,532	4,420,087	4,383.4	0	20,042,159	15,925,769.3	0.50	151.43	4.14	36.57	0.00
2012	10,808	10,808	38,788	1,356,081	3,678,230	3,963.6	0	19,414,899	15,490,509.9	0.56	125.47	3.59	34.96	0.00
2013	5,557	5,557	16,310	545,282	1,463,566	1,609.6	0	16,328,858	7,335,080.6	0.34	98.13	2.94	33.43	0.00
Agranulocytosis and ANC value < 0.5 K/UL														
2006	1,790	1,790	8,436	309,694	925,796	897.2	0	16,940,582	9,479,931.0	0.11	173.01	4.71	36.71	0.00
2007	3,842	3,842	17,111	593,264	1,700,980	1,727.6	0	20,753,530	14,724,813.2	0.19	154.42	4.45	34.67	0.00
2008	6,249	6,249	28,321	982,357	2,721,290	2,856.2	0	21,769,920	16,916,642.9	0.29	157.20	4.53	34.69	0.00
2009	7,890	7,890	37,485	1,290,411	3,783,789	3,741.4	1	20,899,785	16,488,135.9	0.38	163.55	4.75	34.42	2.67
2010	8,647	8,647	37,991	1,355,227	3,783,189	3,929.3	1	20,355,429	16,046,654.1	0.42	156.73	4.39	35.67	2.54
2011	9,982	9,982	41,336	1,511,532	4,420,087	4,383.3	1	20,042,159	15,925,769.3	0.50	151.43	4.14	36.57	2.28
2012	10,808	10,808	38,788	1,356,081	3,678,230	3,963.6	0	19,414,898	15,490,509.8	0.56	125.47	3.59	34.96	0.00
2013	5,557	5,557	16,310	545,282	1,463,566	1,609.6	0	16,328,858	7,335,080.5	0.34	98.13	2.94	33.43	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value ≥ 0 K/UL														
2006	1,602	1,602	7,500	274,947	849,404	723.8	86	16,792,185	9,149,494.5	0.10	171.63	4.68	36.66	1188.09
2007	3,452	3,452	15,581	539,185	1,561,613	1,417.0	199	20,387,785	14,089,656.9	0.17	156.19	4.51	34.61	1404.40
2008	5,605	5,605	25,675	894,723	2,497,557	2,319.4	321	21,538,697	16,020,569.4	0.26	159.63	4.58	34.85	1384.00
2009	6,483	6,483	31,372	1,040,384	3,101,996	2,603.9	543	20,659,746	15,415,403.9	0.31	160.48	4.84	33.16	2085.34
2010	6,711	6,711	30,493	1,032,814	2,902,385	2,602.2	603	20,051,716	14,809,454.9	0.33	153.90	4.54	33.87	2317.25
2011	7,612	7,612	32,624	1,134,909	3,431,931	2,892.1	701	19,743,143	14,673,868.9	0.39	149.09	4.29	34.79	2423.85
2012	8,090	8,090	30,346	1,014,926	2,738,569	2,618.0	802	19,097,766	14,206,328.3	0.42	125.45	3.75	33.45	3063.42
2013	3,975	3,975	12,165	390,844	1,051,050	1,038.3	386	15,888,460	6,685,008.0	0.25	98.33	3.06	32.13	3717.78
ANC value ≥1.5 K/UL														
2006	1,605	1,605	7,511	275,277	850,814	724.9	85	16,794,716	9,153,212.0	0.10	171.51	4.68	36.65	1172.51
2007	3,456	3,456	15,589	539,485	1,562,598	1,419.5	196	20,392,774	14,096,829.0	0.17	156.10	4.51	34.61	1380.80
2008	5,617	5,617	25,807	898,528	2,509,981	2,331.2	318	21,542,925	16,030,199.3	0.26	159.97	4.59	34.82	1364.11
2009	6,496	6,496	31,400	1,041,531	3,104,612	2,613.1	538	20,664,015	15,426,680.7	0.31	160.33	4.83	33.17	2058.83
2010	6,728	6,728	30,567	1,036,160	2,914,347	2,612.3	599	20,057,484	14,822,473.6	0.34	154.01	4.54	33.90	2293.02
2011	7,632	7,632	32,698	1,138,122	3,444,448	2,907.3	699	19,749,257	14,687,884.7	0.39	149.13	4.28	34.81	2404.31
2012	8,111	8,111	30,422	1,017,993	2,747,232	2,627.4	796	19,104,389	14,220,906.1	0.42	125.51	3.75	33.46	3029.61
2013	3,987	3,987	12,195	391,706	1,052,787	1,041.2	383	15,896,372	6,692,275.7	0.25	98.25	3.06	32.12	3678.41
ANC value 1.0- <1.5 K/UL														
2006	1,787	1,787	8,426	309,401	924,474	896.0	3	16,939,413	9,476,156.4	0.11	173.14	4.72	36.72	33.48
2007	3,836	3,836	17,087	592,291	1,698,706	1,721.1	12	20,749,347	14,717,834.3	0.18	154.40	4.45	34.66	69.72
2008	6,236	6,236	28,242	979,849	2,715,966	2,835.4	10	21,767,907	16,906,462.6	0.29	157.13	4.53	34.69	35.27
2009	7,861	7,861	37,404	1,286,431	3,770,369	3,706.2	32	20,897,525	16,474,951.1	0.38	163.65	4.76	34.39	86.34
2010	8,605	8,605	37,837	1,349,201	3,763,644	3,892.5	37	20,352,341	16,030,589.0	0.42	156.79	4.40	35.66	95.05
2011	9,929	9,929	41,167	1,503,738	4,394,536	4,333.6	40	20,039,003	15,908,459.6	0.50	151.45	4.15	36.53	92.30
2012	10,750	10,750	38,591	1,349,634	3,650,709	3,931.1	44	19,411,606	15,472,045.0	0.55	125.55	3.59	34.97	111.93
2013	5,534	5,534	16,219	541,998	1,453,090	1,592.4	22	16,323,992	7,325,961.2	0.34	97.94	2.93	33.42	138.16

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 0.5 - <1.0 K/UL														
2006	1,787	1,787	8,415	309,018	923,286	892.4	3	16,940,223	9,478,800.4	0.11	172.93	4.71	36.72	33.62
2007	3,840	3,840	17,105	593,099	1,700,340	1,725.9	5	20,752,429	14,722,810.4	0.19	154.45	4.45	34.67	28.97
2008	6,244	6,244	28,267	980,909	2,714,706	2,845.7	4	21,769,273	16,913,843.0	0.29	157.10	4.53	34.70	14.06
2009	7,870	7,870	37,426	1,288,343	3,775,389	3,728.8	7	20,899,121	16,484,769.7	0.38	163.70	4.76	34.42	18.77
2010	8,629	8,629	37,943	1,353,497	3,779,135	3,917.5	16	20,354,493	16,042,776.2	0.42	156.85	4.40	35.67	40.84
2011	9,961	9,961	41,279	1,509,585	4,412,115	4,372.1	13	20,041,211	15,921,647.7	0.50	151.55	4.14	36.57	29.73
2012	10,793	10,793	38,751	1,355,049	3,671,800	3,955.6	19	19,413,838	15,486,007.4	0.56	125.55	3.59	34.97	48.03
2013	5,547	5,547	16,272	543,909	1,459,929	1,601.5	14	16,327,293	7,332,825.0	0.34	98.05	2.93	33.43	87.42
ANC value < 0.5 K/UL														
2006	1,789	1,789	8,424	309,281	924,578	893.5	3	16,940,482	9,479,577.1	0.11	172.88	4.71	36.71	33.58
2007	3,834	3,834	17,083	592,505	1,696,892	1,723.1	5	20,753,170	14,722,706.3	0.18	154.54	4.46	34.68	29.02
2008	6,247	6,247	28,299	981,716	2,719,194	2,853.8	2	21,769,669	16,915,684.8	0.29	157.15	4.53	34.69	7.01
2009	7,878	7,878	37,452	1,289,088	3,777,061	3,736.8	5	20,899,551	16,487,118.2	0.38	163.63	4.75	34.42	13.38
2010	8,636	8,636	37,971	1,354,724	3,781,033	3,924.5	8	20,355,085	16,045,479.6	0.42	156.87	4.40	35.68	20.38
2011	9,971	9,971	41,312	1,510,910	4,417,963	4,378.9	9	20,041,835	15,924,531.1	0.50	151.53	4.14	36.57	20.55
2012	10,796	10,796	38,752	1,354,179	3,672,769	3,957.6	7	19,414,545	15,489,314.5	0.56	125.43	3.59	34.94	17.69
2013	5,553	5,553	16,305	545,070	1,462,818	1,608.7	3	16,328,360	7,334,494.8	0.34	98.16	2.94	33.43	18.65
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
2006	1,604	1,604	7,502	275,025	849,794	724.2	85	16,792,359	9,149,753.6	0.10	171.46	4.68	36.66	1173.70
2007	3,457	3,457	15,590	539,514	1,562,351	1,419.8	195	20,388,040	14,090,093.5	0.17	156.06	4.51	34.61	1373.42
2008	5,614	5,614	25,686	895,039	2,498,474	2,322.9	317	21,538,919	16,021,154.9	0.26	159.43	4.58	34.85	1364.66
2009	6,498	6,498	31,405	1,041,333	3,104,430	2,613.2	538	20,659,994	15,415,926.2	0.31	160.25	4.83	33.16	2058.77
2010	6,717	6,717	30,511	1,033,455	2,905,195	2,610.2	594	20,051,879	14,809,916.8	0.33	153.86	4.54	33.87	2275.71
2011	7,623	7,623	32,648	1,135,719	3,434,091	2,901.9	694	19,743,331	14,674,322.3	0.39	148.99	4.28	34.79	2391.53
2012	8,097	8,097	30,368	1,015,489	2,740,658	2,622.7	790	19,097,925	14,206,778.7	0.42	125.42	3.75	33.44	3012.11
2013	3,977	3,977	12,167	390,904	1,051,170	1,039.0	381	15,888,650	6,685,183.0	0.25	98.29	3.06	32.13	3667.09

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 1.0- <1.5 K/UL														
2006	1,786	1,786	8,413	308,983	923,404	894.9	2	16,938,607	9,474,331.8	0.11	173.00	4.71	36.73	22.35
2007	3,830	3,830	17,062	591,685	1,694,627	1,719.3	12	20,747,871	14,712,731.5	0.18	154.49	4.45	34.68	69.80
2008	6,238	6,238	28,178	978,092	2,707,931	2,831.1	9	21,766,716	16,901,900.4	0.29	156.80	4.52	34.71	31.79
2009	7,861	7,861	37,380	1,285,464	3,764,361	3,703.6	31	20,896,447	16,470,353.1	0.38	163.52	4.76	34.39	83.70
2010	8,598	8,598	37,827	1,348,979	3,763,529	3,892.1	33	20,350,814	16,025,478.2	0.42	156.89	4.40	35.66	84.79
2011	9,925	9,925	41,144	1,502,806	4,390,294	4,331.5	38	20,037,497	15,903,122.0	0.50	151.42	4.15	36.53	87.73
2012	10,741	10,741	38,570	1,348,033	3,646,882	3,926.5	43	19,409,911	15,466,632.1	0.55	125.50	3.59	34.95	109.51
2013	5,523	5,523	16,187	540,892	1,450,626	1,589.5	20	16,321,798	7,323,156.4	0.34	97.93	2.93	33.42	125.82
ANC value 0.5 - <1.0 K/UL														
2006	1,789	1,789	8,417	309,096	923,676	892.7	3	16,940,226	9,478,693.7	0.11	172.78	4.70	36.72	33.61
2007	3,837	3,837	17,086	592,669	1,696,990	1,724.6	5	20,752,324	14,721,080.2	0.18	154.46	4.45	34.69	28.99
2008	6,251	6,251	28,256	980,584	2,713,541	2,846.4	3	21,769,195	16,913,430.9	0.29	156.87	4.52	34.70	10.54
2009	7,879	7,879	37,436	1,288,280	3,771,717	3,728.8	7	20,899,053	16,484,366.7	0.38	163.51	4.75	34.41	18.77
2010	8,629	8,629	37,949	1,353,852	3,779,577	3,918.6	15	20,354,308	16,042,220.2	0.42	156.90	4.40	35.68	38.28
2011	9,968	9,968	41,296	1,510,185	4,413,855	4,373.8	13	20,041,071	15,921,088.3	0.50	151.50	4.14	36.57	29.72
2012	10,789	10,789	38,738	1,353,689	3,668,386	3,952.0	18	19,413,637	15,485,526.1	0.56	125.47	3.59	34.94	45.55
2013	5,545	5,545	16,269	543,862	1,459,649	1,601.4	14	16,327,015	7,332,522.3	0.34	98.08	2.93	33.43	87.42
ANC value < 0.5 K/UL														
2006	1,791	1,791	8,426	309,359	924,968	893.8	3	16,940,639	9,479,860.7	0.11	172.73	4.70	36.71	33.57
2007	3,839	3,839	17,092	592,834	1,697,630	1,724.1	5	20,753,452	14,723,189.0	0.18	154.42	4.45	34.68	29.00
2008	6,257	6,257	28,311	982,062	2,720,171	2,855.0	2	21,769,875	16,916,354.5	0.29	156.95	4.52	34.69	7.01
2009	7,896	7,896	37,496	1,290,308	3,780,037	3,740.3	6	20,899,769	16,487,765.2	0.38	163.41	4.75	34.41	16.04
2010	8,644	8,644	37,992	1,355,420	3,783,936	3,926.5	8	20,355,247	16,046,065.6	0.42	156.80	4.40	35.68	20.37
2011	9,982	9,982	41,336	1,511,720	4,420,123	4,381.4	9	20,042,029	15,925,117.8	0.50	151.44	4.14	36.57	20.54
2012	10,804	10,804	38,776	1,354,775	3,674,924	3,959.4	7	19,414,693	15,489,893.7	0.56	125.40	3.59	34.94	17.68
2013	5,555	5,555	16,307	545,130	1,462,938	1,608.9	3	16,328,565	7,334,730.3	0.34	98.13	2.94	33.43	18.65

	New Users	New Episodes	Days Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Topiramate - Agranulocytosis (incident with respect to agranulocytosis)														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,539.3	0	16,940,582	9,479,863.0	0.82	108.07	2.94	36.70	0.00
2007	24,546	24,546	72,496	2,541,027	5,490,263	7,703.1	0	20,747,523	14,721,398.5	1.18	103.52	2.95	35.05	0.00
2008	26,162	26,162	72,824	2,505,019	5,369,476	7,631.3	0	21,752,700	16,905,421.7	1.20	95.75	2.78	34.40	0.00
2009	25,599	25,599	73,857	2,568,511	5,504,296	7,785.4	1	20,873,352	16,470,170.1	1.23	100.34	2.89	34.78	1.28
2010	26,613	26,613	73,659	2,582,545	5,518,884	7,836.4	1	20,322,088	16,023,348.6	1.31	97.04	2.77	35.06	1.28
2011	25,253	25,253	66,033	2,328,404	4,846,815	7,079.9	2	20,001,911	15,897,175.8	1.26	92.20	2.61	35.26	2.82
2012	27,888	27,888	68,465	2,403,828	4,935,297	7,344.5	4	19,370,293	15,458,220.9	1.44	86.20	2.45	35.11	5.45
2013	14,226	14,226	31,287	1,061,226	2,098,791	3,283.1	0	16,285,458	7,317,908.9	0.87	74.60	2.20	33.92	0.00
Agranulocytosis and ANC value \geq 0 K/UL														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,539.3	0	16,940,582	9,479,861.9	0.82	108.07	2.94	36.70	0.00
2007	24,546	24,546	72,496	2,541,027	5,490,263	7,703.1	0	20,747,521	14,721,396.6	1.18	103.52	2.95	35.05	0.00
2008	26,162	26,162	72,824	2,505,019	5,369,476	7,631.3	0	21,752,698	16,905,419.1	1.20	95.75	2.78	34.40	0.00
2009	25,599	25,599	73,857	2,568,511	5,504,296	7,785.4	0	20,873,349	16,470,163.6	1.23	100.34	2.89	34.78	0.00
2010	26,613	26,613	73,659	2,582,545	5,518,884	7,836.4	0	20,322,086	16,023,341.6	1.31	97.04	2.77	35.06	0.00
2011	25,253	25,253	66,033	2,328,404	4,846,815	7,080.1	0	20,001,909	15,897,168.1	1.26	92.20	2.61	35.26	0.00
2012	27,888	27,888	68,465	2,403,828	4,935,297	7,345.0	0	19,370,290	15,458,214.1	1.44	86.20	2.45	35.11	0.00
2013	14,226	14,226	31,287	1,061,226	2,098,791	3,283.1	0	16,285,453	7,317,906.0	0.87	74.60	2.20	33.92	0.00
Agranulocytosis and ANC value \geq 1.5 K/UL														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,539.3	0	16,940,582	9,479,862.0	0.82	108.07	2.94	36.70	0.00
2007	24,546	24,546	72,496	2,541,027	5,490,263	7,703.1	0	20,747,521	14,721,397.0	1.18	103.52	2.95	35.05	0.00
2008	26,162	26,162	72,824	2,505,019	5,369,476	7,631.3	0	21,752,699	16,905,419.7	1.20	95.75	2.78	34.40	0.00
2009	25,599	25,599	73,857	2,568,511	5,504,296	7,785.4	0	20,873,349	16,470,164.9	1.23	100.34	2.89	34.78	0.00
2010	26,613	26,613	73,659	2,582,545	5,518,884	7,836.4	0	20,322,086	16,023,343.5	1.31	97.04	2.77	35.06	0.00
2011	25,253	25,253	66,033	2,328,404	4,846,815	7,080.1	0	20,001,909	15,897,170.1	1.26	92.20	2.61	35.26	0.00
2012	27,888	27,888	68,465	2,403,828	4,935,297	7,345.0	0	19,370,292	15,458,216.0	1.44	86.20	2.45	35.11	0.00
2013	14,226	14,226	31,287	1,061,226	2,098,791	3,283.1	0	16,285,455	7,317,906.7	0.87	74.60	2.20	33.92	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,539.3	0	16,940,582	9,479,862.9	0.82	108.07	2.94	36.70	0.00
2007	24,546	24,546	72,496	2,541,027	5,490,263	7,703.1	0	20,747,523	14,721,398.3	1.18	103.52	2.95	35.05	0.00
2008	26,162	26,162	72,824	2,505,019	5,369,476	7,631.3	0	21,752,699	16,905,421.6	1.20	95.75	2.78	34.40	0.00
2009	25,599	25,599	73,857	2,568,511	5,504,296	7,785.4	0	20,873,352	16,470,169.6	1.23	100.34	2.89	34.78	0.00
2010	26,613	26,613	73,659	2,582,545	5,518,884	7,836.4	0	20,322,088	16,023,347.8	1.31	97.04	2.77	35.06	0.00
2011	25,253	25,253	66,033	2,328,404	4,846,815	7,080.1	0	20,001,911	15,897,175.0	1.26	92.20	2.61	35.26	0.00
2012	27,888	27,888	68,465	2,403,828	4,935,297	7,345.0	0	19,370,292	15,458,220.2	1.44	86.20	2.45	35.11	0.00
2013	14,226	14,226	31,287	1,061,226	2,098,791	3,283.1	0	16,285,458	7,317,908.6	0.87	74.60	2.20	33.92	0.00
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,539.3	0	16,940,582	9,479,862.9	0.82	108.07	2.94	36.70	0.00
2007	24,546	24,546	72,496	2,541,027	5,490,263	7,703.1	0	20,747,523	14,721,398.2	1.18	103.52	2.95	35.05	0.00
2008	26,162	26,162	72,824	2,505,019	5,369,476	7,631.3	0	21,752,700	16,905,421.3	1.20	95.75	2.78	34.40	0.00
2009	25,599	25,599	73,857	2,568,511	5,504,296	7,785.4	0	20,873,352	16,470,169.2	1.23	100.34	2.89	34.78	0.00
2010	26,613	26,613	73,659	2,582,545	5,518,884	7,836.4	0	20,322,088	16,023,347.6	1.31	97.04	2.77	35.06	0.00
2011	25,253	25,253	66,033	2,328,404	4,846,815	7,080.1	0	20,001,911	15,897,174.8	1.26	92.20	2.61	35.26	0.00
2012	27,888	27,888	68,465	2,403,828	4,935,297	7,345.0	0	19,370,292	15,458,220.0	1.44	86.20	2.45	35.11	0.00
2013	14,226	14,226	31,287	1,061,226	2,098,791	3,283.1	0	16,285,457	7,317,908.4	0.87	74.60	2.20	33.92	0.00
Agranulocytosis and ANC value < 0.5 K/UL														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,539.3	0	16,940,582	9,479,863.0	0.82	108.07	2.94	36.70	0.00
2007	24,546	24,546	72,496	2,541,027	5,490,263	7,703.1	0	20,747,523	14,721,398.4	1.18	103.52	2.95	35.05	0.00
2008	26,162	26,162	72,824	2,505,019	5,369,476	7,631.3	0	21,752,700	16,905,421.5	1.20	95.75	2.78	34.40	0.00
2009	25,599	25,599	73,857	2,568,511	5,504,296	7,785.4	0	20,873,352	16,470,169.5	1.23	100.34	2.89	34.78	0.00
2010	26,613	26,613	73,659	2,582,545	5,518,884	7,836.4	0	20,322,088	16,023,347.7	1.31	97.04	2.77	35.06	0.00
2011	25,253	25,253	66,033	2,328,404	4,846,815	7,080.1	0	20,001,911	15,897,174.8	1.26	92.20	2.61	35.26	0.00
2012	27,888	27,888	68,465	2,403,828	4,935,297	7,345.0	0	19,370,293	15,458,220.0	1.44	86.20	2.45	35.11	0.00
2013	14,226	14,226	31,287	1,061,226	2,098,791	3,283.1	0	16,285,457	7,317,908.6	0.87	74.60	2.20	33.92	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value ≥ 0 K/UL														
2006	12,693	12,693	37,515	1,382,086	3,049,006	3,865.5	556	16,792,185	9,149,428.8	0.76	108.89	2.96	36.84	1438.38
2007	22,132	22,132	65,498	2,311,039	5,008,606	6,507.5	968	20,382,412	14,086,711.8	1.09	104.42	2.96	35.28	1487.51
2008	23,508	23,508	65,793	2,276,029	4,876,680	6,352.3	1,144	21,523,319	16,010,962.5	1.09	96.82	2.80	34.59	1800.92
2009	22,591	22,591	65,697	2,269,071	4,871,991	6,239.3	1,402	20,636,214	15,400,395.0	1.09	100.44	2.91	34.54	2247.05
2010	23,094	23,094	64,631	2,236,971	4,762,438	6,132.7	1,530	20,022,185	14,790,354.1	1.15	96.86	2.80	34.61	2494.82
2011	22,029	22,029	57,934	2,009,055	4,176,494	5,548.7	1,538	19,707,698	14,650,587.4	1.12	91.20	2.63	34.68	2771.84
2012	23,975	23,975	59,635	2,062,307	4,233,904	5,773.4	1,794	19,058,450	14,180,172.0	1.26	86.02	2.49	34.58	3107.37
2013	12,105	12,105	26,796	894,386	1,769,458	2,586.9	912	15,850,912	6,671,235.8	0.76	73.89	2.21	33.38	3525.41
ANC value ≥1.5 K/UL														
2006	12,698	12,698	37,522	1,382,356	3,049,516	3,866.8	553	16,794,716	9,153,146.4	0.76	108.86	2.95	36.84	1430.12
2007	22,154	22,154	65,558	2,312,780	5,013,831	6,514.4	964	20,387,397	14,093,881.6	1.09	104.40	2.96	35.28	1479.80
2008	23,521	23,521	65,818	2,275,628	4,877,494	6,358.6	1,142	21,527,537	16,020,584.5	1.09	96.75	2.80	34.57	1796.00
2009	22,613	22,613	65,779	2,271,978	4,878,592	6,245.5	1,400	20,640,474	15,411,655.4	1.10	100.47	2.91	34.54	2241.62
2010	23,112	23,112	64,698	2,239,780	4,769,883	6,139.7	1,527	20,027,937	14,803,357.3	1.15	96.91	2.80	34.62	2487.07
2011	22,049	22,049	57,981	2,011,454	4,180,831	5,557.4	1,525	19,713,790	14,664,575.8	1.12	91.23	2.63	34.69	2744.11
2012	23,998	23,998	59,691	2,064,142	4,237,593	5,780.4	1,784	19,065,036	14,194,720.5	1.26	86.01	2.49	34.58	3086.29
2013	12,125	12,125	26,843	895,993	1,772,700	2,592.8	909	15,858,791	6,678,484.4	0.76	73.90	2.21	33.38	3505.93
ANC value 1.0- <1.5 K/UL														
2006	13,922	13,922	41,008	1,504,936	3,314,765	4,537.6	3	16,939,413	9,476,088.3	0.82	108.10	2.95	36.70	6.61
2007	24,525	24,525	72,409	2,538,354	5,483,212	7,687.3	7	20,743,344	14,714,422.6	1.18	103.50	2.95	35.06	9.11
2008	26,146	26,146	72,798	2,505,413	5,368,137	7,625.0	9	21,750,701	16,895,256.0	1.20	95.82	2.78	34.42	11.80
2009	25,574	25,574	73,760	2,565,172	5,498,335	7,769.3	12	20,871,106	16,457,005.9	1.23	100.30	2.88	34.78	15.45
2010	26,586	26,586	73,584	2,579,313	5,510,345	7,821.0	15	20,319,017	16,007,303.3	1.31	97.02	2.77	35.05	19.18
2011	25,223	25,223	65,949	2,323,982	4,837,764	7,057.8	25	19,998,770	15,879,902.0	1.26	92.14	2.61	35.24	35.42
2012	27,862	27,862	68,402	2,401,237	4,930,186	7,331.5	22	19,367,016	15,439,782.2	1.44	86.18	2.46	35.10	30.01
2013	14,200	14,200	31,221	1,058,690	2,093,868	3,274.0	7	16,280,587	7,308,801.3	0.87	74.56	2.20	33.91	21.38

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 0.5 - <1.0 K/UL														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,539.3	0	16,940,223	9,478,732.3	0.82	108.07	2.94	36.70	0.00
2007	24,543	24,543	72,493	2,540,914	5,490,003	7,701.9	4	20,746,423	14,719,396.1	1.18	103.53	2.95	35.05	5.19
2008	26,158	26,158	72,812	2,504,556	5,368,473	7,629.5	3	21,752,054	16,902,622.8	1.20	95.75	2.78	34.40	3.93
2009	25,590	25,590	73,843	2,567,845	5,502,985	7,777.8	5	20,872,689	16,466,804.7	1.23	100.35	2.89	34.77	6.43
2010	26,607	26,607	73,641	2,582,005	5,517,904	7,833.4	7	20,321,151	16,019,469.6	1.31	97.04	2.77	35.06	8.94
2011	25,248	25,248	66,015	2,327,116	4,842,798	7,074.5	4	20,000,959	15,893,053.3	1.26	92.17	2.61	35.25	5.65
2012	27,875	27,875	68,442	2,403,183	4,934,001	7,341.9	1	19,369,226	15,453,718.5	1.44	86.21	2.46	35.11	1.36
2013	14,224	14,224	31,283	1,061,106	2,098,671	3,282.1	2	16,283,884	7,315,652.8	0.87	74.60	2.20	33.92	6.09
ANC value < 0.5 K/UL														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,538.5	1	16,940,482	9,479,509.0	0.82	108.07	2.94	36.70	2.20
2007	24,544	24,544	72,489	2,540,827	5,489,863	7,702.1	3	20,747,164	14,719,293.0	1.18	103.52	2.95	35.05	3.90
2008	26,160	26,160	72,820	2,504,832	5,369,289	7,630.2	2	21,752,449	16,904,461.8	1.20	95.75	2.78	34.40	2.62
2009	25,600	25,600	73,858	2,568,541	5,504,356	7,785.4	1	20,873,117	16,469,150.4	1.23	100.33	2.89	34.78	1.28
2010	26,612	26,612	73,655	2,582,289	5,518,450	7,835.7	0	20,321,740	16,022,171.3	1.31	97.03	2.77	35.06	0.00
2011	25,252	25,252	66,031	2,328,344	4,846,695	7,079.1	3	20,001,581	15,895,933.0	1.26	92.20	2.61	35.26	4.24
2012	27,887	27,887	68,464	2,403,778	4,935,097	7,344.5	3	19,369,927	15,457,018.2	1.44	86.20	2.46	35.11	4.08
2013	14,225	14,225	31,285	1,061,166	2,098,761	3,282.8	1	16,284,946	7,317,317.4	0.87	74.60	2.20	33.92	3.05
Incident with respect to ANC value*														
ANC value ≥1.5 K/UL														
2006	12,693	12,693	37,515	1,382,086	3,049,006	3,865.9	553	16,792,359	9,149,688.0	0.76	108.89	2.96	36.84	1430.44
2007	22,132	22,132	65,498	2,311,039	5,008,606	6,509.6	963	20,382,667	14,087,148.5	1.09	104.42	2.96	35.28	1479.35
2008	23,508	23,508	65,793	2,276,029	4,876,680	6,355.5	1,141	21,523,543	16,011,550.7	1.09	96.82	2.80	34.59	1795.29
2009	22,592	22,592	65,699	2,269,131	4,872,231	6,241.1	1,393	20,636,465	15,400,918.8	1.09	100.44	2.91	34.54	2231.96
2010	23,095	23,095	64,632	2,237,001	4,762,508	6,135.4	1,520	20,022,353	14,790,818.8	1.15	96.86	2.80	34.61	2477.42
2011	22,029	22,029	57,934	2,009,055	4,176,494	5,551.6	1,520	19,707,892	14,651,044.0	1.12	91.20	2.63	34.68	2737.93
2012	23,976	23,976	59,636	2,062,312	4,233,915	5,776.2	1,780	19,058,617	14,180,626.8	1.26	86.02	2.49	34.58	3081.64
2013	12,105	12,105	26,796	894,386	1,769,458	2,588.9	905	15,851,109	6,671,412.9	0.76	73.89	2.21	33.38	3495.64

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
ANC value 1.0- <1.5 K/UL														
2006	13,919	13,919	41,004	1,504,816	3,314,555	4,537.3	3	16,938,607	9,474,263.7	0.82	108.11	2.95	36.70	6.61
2007	24,512	24,512	72,377	2,537,431	5,480,450	7,684.4	7	20,741,871	14,709,322.6	1.18	103.52	2.95	35.06	9.11
2008	26,138	26,138	72,768	2,504,446	5,366,334	7,622.2	9	21,749,513	16,890,696.7	1.20	95.82	2.78	34.42	11.81
2009	25,563	25,563	73,731	2,564,048	5,495,374	7,765.9	12	20,870,034	16,452,417.2	1.22	100.30	2.88	34.78	15.45
2010	26,581	26,581	73,576	2,578,957	5,509,769	7,819.9	15	20,317,502	16,002,204.3	1.31	97.02	2.77	35.05	19.18
2011	25,217	25,217	65,941	2,323,622	4,837,224	7,057.3	24	19,997,278	15,874,581.8	1.26	92.15	2.61	35.24	34.01
2012	27,851	27,851	68,378	2,400,490	4,928,503	7,329.1	22	19,365,341	15,434,391.5	1.44	86.19	2.46	35.11	30.02
2013	14,195	14,195	31,216	1,058,526	2,093,575	3,273.4	7	16,278,419	7,306,011.3	0.87	74.57	2.20	33.91	21.38
ANC value 0.5 - <1.0 K/UL														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,539.3	0	16,940,226	9,478,625.6	0.82	108.07	2.94	36.70	0.00
2007	24,541	24,541	72,486	2,540,714	5,489,603	7,701.4	4	20,746,319	14,717,667.8	1.18	103.53	2.95	35.05	5.19
2008	26,157	26,157	72,810	2,504,502	5,368,419	7,629.3	3	21,751,978	16,902,212.4	1.20	95.75	2.78	34.40	3.93
2009	25,592	25,592	73,846	2,567,935	5,503,285	7,778.1	5	20,872,626	16,466,404.1	1.23	100.34	2.89	34.77	6.43
2010	26,607	26,607	73,638	2,581,779	5,517,540	7,832.8	7	20,320,972	16,018,917.0	1.31	97.03	2.77	35.06	8.94
2011	25,247	25,247	66,014	2,327,095	4,842,714	7,074.4	4	20,000,823	15,892,497.0	1.26	92.17	2.61	35.25	5.65
2012	27,876	27,876	68,443	2,403,188	4,934,012	7,342.0	1	19,369,029	15,453,239.6	1.44	86.21	2.46	35.11	1.36
2013	14,222	14,222	31,280	1,061,016	2,098,581	3,281.8	2	16,283,609	7,315,351.4	0.87	74.60	2.20	33.92	6.09
ANC value < 0.5 K/UL														
2006	13,929	13,929	41,019	1,505,343	3,315,485	4,538.5	1	16,940,639	9,479,792.6	0.82	108.07	2.94	36.70	2.20
2007	24,544	24,544	72,489	2,540,827	5,489,863	7,702.1	3	20,747,446	14,719,775.9	1.18	103.52	2.95	35.05	3.90
2008	26,160	26,160	72,820	2,504,832	5,369,289	7,630.2	2	21,752,657	16,905,134.1	1.20	95.75	2.78	34.40	2.62
2009	25,601	25,601	73,860	2,568,601	5,504,596	7,785.6	1	20,873,341	16,469,799.8	1.23	100.33	2.89	34.78	1.28
2010	26,613	26,613	73,656	2,582,319	5,518,520	7,835.8	0	20,321,910	16,022,761.7	1.31	97.03	2.77	35.06	0.00
2011	25,252	25,252	66,031	2,328,344	4,846,695	7,079.1	3	20,001,783	15,896,525.0	1.26	92.20	2.61	35.26	4.24
2012	27,888	27,888	68,465	2,403,783	4,935,108	7,344.5	3	19,370,085	15,457,604.1	1.44	86.19	2.45	35.11	4.08
2013	14,225	14,225	31,285	1,061,166	2,098,761	3,282.8	1	16,285,159	7,317,556.5	0.87	74.60	2.20	33.92	3.05

*Incidence with respect to ANC value is defined by ANC values of the same or "worse" ANC category (i.e., a value 0.5 - <1.0 K/UL must be incident with respect to a value < 1.0 K/UL). See specifications for more details.

Table 5. Summary of Anti-Epileptic Drug use and Events in the MSDD between January 1, 2006 and June 30, 2013, by Drug Product, Event Definition, and Data Partner Type

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Carbamazepine														
<i>Incident with respect to agranulocytosis</i>														
<i>Agranulocytosis only</i>														
National Insurers ¹	22,974	22,974	59,490	1,928,946	5,357,788	5,886.6	4	32,837,865	78,413,880.6	0.70	83.96	2.59	32.42	6.80
Sites with EHR ²	11,313	11,313	25,858	1,263,904	3,581,408	3,739.2	0	9,226,281	33,983,932.8	1.23	111.72	2.29	48.88	0.00
<i>Agranulocytosis and ANC value ≥ 0 K/UL</i>														
National Insurers	22,974	22,974	59,490	1,928,946	5,357,788	5,887.2	0	32,837,865	78,413,871.1	0.70	83.96	2.59	32.42	0.00
Sites with EHR	11,313	11,313	25,858	1,263,904	3,581,408	3,739.2	0	9,226,279	33,983,905.7	1.23	111.72	2.29	48.88	0.00
<i>Agranulocytosis and ANC value ≥ 1.5 K/UL</i>														
National Insurers	22,974	22,974	59,490	1,928,946	5,357,788	5,887.2	0	32,837,865	78,413,874.0	0.70	83.96	2.59	32.42	0.00
Sites with EHR	11,313	11,313	25,858	1,263,904	3,581,408	3,739.2	0	9,226,280	33,983,911.7	1.23	111.72	2.29	48.88	0.00
<i>Agranulocytosis and ANC value 1.0 - <1.5 K/UL</i>														
National Insurers	22,974	22,974	59,490	1,928,946	5,357,788	5,887.2	0	32,837,865	78,413,879.8	0.70	83.96	2.59	32.42	0.00
Sites with EHR	11,313	11,313	25,858	1,263,904	3,581,408	3,739.2	0	9,226,281	33,983,929.9	1.23	111.72	2.29	48.88	0.00
<i>Agranulocytosis and ANC value 0.5 - <1.0 K/UL</i>														
National Insurers	22,974	22,974	59,490	1,928,946	5,357,788	5,887.2	0	32,837,865	78,413,879.5	0.70	83.96	2.59	32.42	0.00
Sites with EHR	11,313	11,313	25,858	1,263,904	3,581,408	3,739.2	0	9,226,281	33,983,929.7	1.23	111.72	2.29	48.88	0.00
<i>Agranulocytosis and ANC value < 0.5 K/UL</i>														
National Insurers	22,974	22,974	59,490	1,928,946	5,357,788	5,887.2	0	32,837,865	78,413,879.1	0.70	83.96	2.59	32.42	0.00
Sites with EHR	11,313	11,313	25,858	1,263,904	3,581,408	3,739.2	0	9,226,280	33,983,929.1	1.23	111.72	2.29	48.88	0.00
<i>ANC value ≥ 0 K/UL</i>														
National Insurers	20,409	20,409	53,309	1,725,515	4,821,904	4,760.1	1,339	32,597,442	73,665,204.4	0.63	84.55	2.61	32.37	2,812.95
Sites with EHR	9,228	9,228	21,260	1,054,607	3,018,154	2,280.1	1,752	9,185,803	31,376,537.3	1.00	114.28	2.30	49.61	7,683.89
<i>ANC value ≥1.5 K/UL</i>														
National Insurers	20,446	20,446	53,377	1,728,187	4,828,554	4,772.1	1,329	32,602,324	73,720,188.4	0.63	84.52	2.61	32.38	2,784.92
Sites with EHR	9,240	9,240	21,338	1,057,461	3,025,346	2,288.0	1,739	9,186,567	31,402,217.4	1.01	114.44	2.31	49.56	7,600.38
<i>ANC value 1.0- <1.5 K/UL</i>														
National Insurers	22,945	22,945	59,425	1,926,311	5,352,327	5,866.3	26	32,835,805	78,361,822.8	0.70	83.95	2.59	32.42	44.32
Sites with EHR	11,288	11,288	25,831	1,262,651	3,578,585	3,692.0	58	9,225,674	33,940,861.7	1.22	111.86	2.29	48.88	157.09
<i>ANC value 0.5 - <1.0 K/UL</i>														
National Insurers	22,964	22,964	59,478	1,928,665	5,357,001	5,886.1	2	32,837,277	78,401,519.0	0.70	83.99	2.59	32.43	3.40
Sites with EHR	11,307	11,307	25,851	1,263,641	3,580,781	3,729.1	10	9,226,090	33,972,210.7	1.23	111.76	2.29	48.88	26.82

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
<i>ANC value < 0.5 K/UL</i>														
National Insurers	22,972	22,972	59,488	1,928,943	5,357,782	5,886.3	2	32,837,684	78,410,872.1	0.70	83.97	2.59	32.43	3.40
Sites with EHR	11,309	11,309	25,853	1,263,769	3,581,108	3,737.4	6	9,226,210	33,978,284.1	1.23	111.75	2.29	48.88	16.05
<i>Incident with respect to ANC value*</i>														
<i>ANC value ≥1.5 K/UL</i>														
National Insurers	9,228	9,228	21,260	1,054,607	3,018,154	2,285.3	1,736	9,185,831	31,377,027.9	1.00	114.28	2.30	49.61	7,596.22
Sites with EHR	20,409	20,409	53,309	1,725,515	4,821,904	4,765.6	1,324	32,597,697	73,668,078.1	0.63	84.55	2.61	32.37	2,778.25
<i>ANC value 1.0- <1.5 K/UL</i>														
National Insurers	22,926	22,926	59,398	1,925,094	5,344,188	5,863.1	24	32,834,553	78,337,892.3	0.70	83.97	2.59	32.41	40.93
Sites with EHR	11,283	11,283	25,761	1,260,472	3,573,353	3,685.9	58	9,225,472	33,930,059.2	1.22	111.71	2.28	48.93	157.36
<i>ANC value 0.5 - <1.0 K/UL</i>														
National Insurers	22,963	22,963	59,477	1,928,663	5,356,997	5,886.1	2	32,837,276	78,400,649.3	0.70	83.99	2.59	32.43	3.40
Sites with EHR	11,303	11,303	25,782	1,261,492	3,575,639	3,723.0	10	9,226,062	33,968,541.3	1.23	111.61	2.28	48.93	26.86
<i>ANC value < 0.5 K/UL</i>														
National Insurers	22,972	22,972	59,488	1,928,943	5,357,782	5,886.3	2	32,837,928	78,414,209.4	0.70	83.97	2.59	32.43	3.40
Sites with EHR	11,309	11,309	25,853	1,263,769	3,581,108	3,737.4	6	9,226,241	33,979,047.2	1.23	111.75	2.29	48.88	16.05
Lamotrigine														
<i>Incident with respect to agranulocytosis</i>														
<i>Agranulocytosis only</i>														
National Insurers	71,452	71,452	299,169	9,507,110	15,710,376	28,101.2	2	32,837,877	78,391,448.0	2.18	133.06	4.19	31.78	0.71
Sites with EHR	23,175	23,175	80,539	3,968,830	8,000,376	11,475.0	0	9,226,283	33,981,910.0	2.51	171.25	3.48	49.28	0.00
<i>Agranulocytosis and ANC value ≥ 0 K/UL</i>														
National Insurers	71,452	71,452	299,169	9,507,110	15,710,376	28,101.6	0	32,837,877	78,391,438.5	2.18	133.06	4.19	31.78	0.00
Sites with EHR	23,175	23,175	80,539	3,968,830	8,000,376	11,475.0	0	9,226,281	33,981,882.8	2.51	171.25	3.48	49.28	0.00
<i>Agranulocytosis and ANC value ≥ 1.5 K/UL</i>														
National Insurers	71,452	71,452	299,169	9,507,110	15,710,376	28,101.6	0	32,837,877	78,391,441.4	2.18	133.06	4.19	31.78	0.00
Sites with EHR	23,175	23,175	80,539	3,968,830	8,000,376	11,475.0	0	9,226,282	33,981,888.8	2.51	171.25	3.48	49.28	0.00
<i>Agranulocytosis and ANC value 1.0 - <1.5 K/UL</i>														
National Insurers	71,452	71,452	299,169	9,507,110	15,710,376	28,101.6	0	32,837,877	78,391,447.2	2.18	133.06	4.19	31.78	0.00
Sites with EHR	23,175	23,175	80,539	3,968,830	8,000,376	11,475.0	0	9,226,283	33,981,907.0	2.51	171.25	3.48	49.28	0.00
<i>Agranulocytosis and ANC value 0.5 - <1.0 K/UL</i>														
National Insurers	71,452	71,452	299,169	9,507,110	15,710,376	28,101.6	0	32,837,877	78,391,446.9	2.18	133.06	4.19	31.78	0.00
Sites with EHR	23,175	23,175	80,539	3,968,830	8,000,376	11,475.0	0	9,226,283	33,981,906.9	2.51	171.25	3.48	49.28	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Agranulocytosis and ANC value < 0.5 K/UL														
National Insurers	71,452	71,452	299,169	9,507,110	15,710,376	28,101.6	0	32,837,877	78,391,446.5	2.18	133.06	4.19	31.78	0.00
Sites with EHR	23,175	23,175	80,539	3,968,830	8,000,376	11,475.0	0	9,226,282	33,981,906.2	2.51	171.25	3.48	49.28	0.00
ANC value ≥ 0 K/UL														
National Insurers	64,563	64,563	269,710	8,568,824	14,174,202	23,374.5	3,544	32,597,457	73,645,682.2	1.98	132.72	4.18	31.77	1,516.18
Sites with EHR	19,175	19,175	67,365	3,296,950	6,639,450	7,965.1	2,268	9,185,805	31,374,239.2	2.09	171.94	3.51	48.94	2,847.41
ANC value ≥ 1.5 K/UL														
National Insurers	64,614	64,614	269,924	8,575,090	14,187,488	23,408.4	3,518	32,602,339	73,700,670.5	1.98	132.71	4.18	31.77	1,502.88
Sites with EHR	19,203	19,203	67,479	3,301,738	6,649,045	7,982.0	2,260	9,186,569	31,399,911.8	2.09	171.94	3.51	48.93	2,831.37
ANC value 1.0- <1.5 K/UL														
National Insurers	71,404	71,404	298,973	9,500,773	15,694,405	28,062.8	44	32,835,817	78,339,395.0	2.17	133.06	4.19	31.78	15.68
Sites with EHR	23,118	23,118	80,360	3,960,256	7,983,936	11,418.8	37	9,225,676	33,938,846.3	2.51	171.31	3.48	49.28	32.40
ANC value 0.5 - <1.0 K/UL														
National Insurers	71,441	71,441	299,140	9,506,273	15,707,347	28,092.3	11	32,837,289	78,379,082.3	2.18	133.06	4.19	31.78	3.92
Sites with EHR	23,163	23,163	80,506	3,966,731	7,996,864	11,467.0	9	9,226,092	33,970,190.5	2.51	171.25	3.48	49.27	7.85
ANC value < 0.5 K/UL														
National Insurers	71,451	71,451	299,168	9,507,095	15,710,346	28,101.5	1	32,837,696	78,388,438.6	2.18	133.06	4.19	31.78	0.36
Sites with EHR	23,168	23,168	80,493	3,966,880	7,995,186	11,469.2	2	9,226,212	33,976,257.8	2.51	171.22	3.47	49.28	1.74
Incident with respect to ANC value*														
ANC value ≥ 1.5 K/UL														
National Insurers	64,565	64,565	269,712	8,568,904	14,174,331	23,393.1	3,510	32,597,712	73,648,554.3	1.98	132.72	4.18	31.77	1,500.44
Sites with EHR	19,175	19,175	67,365	3,296,950	6,639,450	7,971.8	2,257	9,185,833	31,374,729.8	2.09	171.94	3.51	48.94	2,831.25
ANC value 1.0- <1.5 K/UL														
National Insurers	71,380	71,380	298,799	9,495,697	15,680,828	28,048.2	43	32,834,565	78,315,460.6	2.17	133.03	4.19	31.78	15.33
Sites with EHR	23,108	23,108	80,295	3,957,547	7,976,409	11,412.3	36	9,225,474	33,928,040.0	2.50	171.26	3.47	49.29	31.54
ANC value 0.5 - <1.0 K/UL														
National Insurers	71,442	71,442	299,133	9,506,083	15,706,756	28,091.7	11	32,837,288	78,378,208.9	2.18	133.06	4.19	31.78	3.92
Sites with EHR	23,157	23,157	80,461	3,964,811	7,991,704	11,461.5	9	9,226,064	33,966,518.2	2.51	171.21	3.47	49.28	7.85
ANC value < 0.5 K/UL														
National Insurers	71,453	71,453	299,170	9,507,175	15,710,475	28,101.8	1	32,837,940	78,391,772.9	2.18	133.05	4.19	31.78	0.36
Sites with EHR	23,168	23,168	80,493	3,966,880	7,995,186	11,469.2	2	9,226,243	33,977,021.1	2.51	171.22	3.47	49.28	1.74

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Levetiracetam														
<i>Incident with respect to agranulocytosis</i>														
Agranulocytosis only														
National Insurers	42,136	42,136	180,914	5,739,114	15,542,449	16,761.9	39	32,837,877	78,414,329.3	1.28	136.20	4.29	31.72	23.27
Sites with EHR	12,629	12,629	44,864	2,204,734	6,934,477	6,324.3	9	9,226,283	33,993,212.4	1.37	174.58	3.55	49.14	14.23
Agranulocytosis and ANC value ≥ 0 K/UL														
National Insurers	42,136	42,136	180,914	5,739,114	15,542,449	16,776.7	4	32,837,877	78,414,319.9	1.28	136.20	4.29	31.72	2.38
Sites with EHR	12,628	12,628	44,862	2,204,689	6,934,387	6,330.9	4	9,226,281	33,993,185.3	1.37	174.59	3.55	49.14	6.32
Agranulocytosis and ANC value ≥ 1.5 K/UL														
National Insurers	42,136	42,136	180,914	5,739,114	15,542,449	16,776.7	4	32,837,877	78,414,322.7	1.28	136.20	4.29	31.72	2.38
Sites with EHR	12,628	12,628	44,862	2,204,689	6,934,387	6,330.9	4	9,226,282	33,993,191.3	1.37	174.59	3.55	49.14	6.32
Agranulocytosis and ANC value 1.0 - <1.5 K/UL														
National Insurers	42,136	42,136	180,914	5,739,114	15,542,449	16,777.0	0	32,837,877	78,414,328.6	1.28	136.20	4.29	31.72	0.00
Sites with EHR	12,629	12,629	44,864	2,204,734	6,934,477	6,331.2	1	9,226,283	33,993,209.5	1.37	174.58	3.55	49.14	1.58
Agranulocytosis and ANC value 0.5 - <1.0 K/UL														
National Insurers	42,136	42,136	180,914	5,739,114	15,542,449	16,777.0	0	32,837,877	78,414,327.9	1.28	136.20	4.29	31.72	0.00
Sites with EHR	12,629	12,629	44,864	2,204,734	6,934,477	6,331.2	1	9,226,283	33,993,209.3	1.37	174.58	3.55	49.14	1.58
Agranulocytosis and ANC value < 0.5 K/UL														
National Insurers	42,136	42,136	180,914	5,739,114	15,542,449	16,777.0	0	32,837,877	78,414,328.3	1.28	136.20	4.29	31.72	0.00
Sites with EHR	12,629	12,629	44,864	2,204,734	6,934,477	6,331.2	3	9,226,282	33,993,208.7	1.37	174.58	3.55	49.14	4.74
ANC value ≥ 0 K/UL														
National Insurers	36,686	36,686	160,275	5,065,805	13,971,804	13,611.3	2,185	32,597,457	73,665,718.7	1.13	138.09	4.37	31.61	1,605.28
Sites with EHR	6,844	6,844	25,481	1,256,927	4,162,702	2,603.3	1,456	9,185,805	31,384,066.1	0.75	183.65	3.72	49.33	5,592.91
ANC value ≥ 1.5 K/UL														
National Insurers	36,748	36,748	160,599	5,075,433	14,002,042	13,650.6	2,161	32,602,339	73,720,718.7	1.13	138.11	4.37	31.60	1,583.08
Sites with EHR	6,884	6,884	25,590	1,263,369	4,184,777	2,626.3	1,453	9,186,569	31,409,742.4	0.75	183.52	3.72	49.37	5,532.45
ANC value 1.0- <1.5 K/UL														
National Insurers	42,053	42,053	180,557	5,727,939	15,513,861	16,710.5	71	32,835,817	78,362,265.7	1.28	136.21	4.29	31.72	42.49
Sites with EHR	12,485	12,485	44,416	2,184,604	6,857,632	6,197.9	129	9,225,676	33,950,193.5	1.35	174.98	3.56	49.19	208.14
ANC value 0.5 - <1.0 K/UL														
National Insurers	42,106	42,106	180,790	5,735,392	15,529,681	16,753.4	23	32,837,289	78,401,967.8	1.28	136.21	4.29	31.72	13.73
Sites with EHR	12,565	12,565	44,668	2,198,017	6,907,018	6,286.3	58	9,226,092	33,981,512.0	1.36	174.93	3.55	49.21	92.26

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
<i>ANC value < 0.5 K/UL</i>														
National Insurers	42,116	42,116	180,844	5,737,013	15,536,497	16,767.4	12	32,837,696	78,411,327.3	1.28	136.22	4.29	31.72	7.16
Sites with EHR	12,588	12,588	44,754	2,200,460	6,915,810	6,309.5	30	9,226,212	33,987,579.2	1.36	174.81	3.56	49.17	47.55
<i>Incident with respect to ANC value*</i>														
<i>ANC value ≥1.5 K/UL</i>														
National Insurers	36,736	36,736	160,384	5,069,048	13,981,627	13,636.8	2,152	32,597,712	73,668,574.2	1.13	137.99	4.37	31.61	1,578.08
Sites with EHR	6,851	6,851	25,493	1,257,430	4,164,537	2,617.2	1,442	9,185,833	31,384,554.8	0.75	183.54	3.72	49.32	5,509.75
<i>ANC value 1.0- <1.5 K/UL</i>														
National Insurers	42,058	42,058	180,498	5,726,183	15,505,454	16,706.4	66	32,834,565	78,338,316.0	1.28	136.15	4.29	31.72	39.51
Sites with EHR	12,444	12,444	44,263	2,178,751	6,836,197	6,182.1	122	9,225,474	33,939,389.6	1.35	175.08	3.56	49.22	197.35
<i>ANC value 0.5 - <1.0 K/UL</i>														
National Insurers	42,140	42,140	180,840	5,736,810	15,533,215	16,759.2	22	32,837,288	78,401,083.1	1.28	136.14	4.29	31.72	13.13
Sites with EHR	12,547	12,547	44,607	2,195,407	6,894,176	6,278.9	56	9,226,064	33,977,845.3	1.36	174.97	3.56	49.22	89.19
<i>ANC value < 0.5 K/UL</i>														
National Insurers	42,173	42,173	180,970	5,740,645	15,547,081	16,778.5	12	32,837,940	78,414,643.8	1.28	136.12	4.29	31.72	7.15
Sites with EHR	12,595	12,595	44,766	2,200,963	6,917,645	6,310.9	31	9,226,243	33,988,333.2	1.37	174.75	3.55	49.17	49.12
Topiramate														
<i>Incident with respect to agranulocytosis</i>														
<i>Agranulocytosis only</i>														
National Insurers	153,155	153,155	427,157	13,701,166	28,485,977	41,994.7	8	32,837,877	78,308,903.3	4.66	89.46	2.79	32.08	1.91
Sites with EHR	31,061	31,061	72,483	3,794,737	8,593,330	11,208.4	0	9,226,283	33,964,604.3	3.37	122.17	2.33	52.35	0.00
<i>Agranulocytosis and ANC value ≥ 0 K/UL</i>														
National Insurers	153,155	153,155	427,157	13,701,166	28,485,977	41,995.3	0	32,837,877	78,308,893.8	4.66	89.46	2.79	32.08	0.00
Sites with EHR	31,061	31,061	72,483	3,794,737	8,593,330	11,208.4	0	9,226,281	33,964,577.2	3.37	122.17	2.33	52.35	0.00
<i>Agranulocytosis and ANC value ≥ 1.5 K/UL</i>														
National Insurers	153,155	153,155	427,157	13,701,166	28,485,977	41,995.3	0	32,837,877	78,308,896.7	4.66	89.46	2.79	32.08	0.00
Sites with EHR	31,061	31,061	72,483	3,794,737	8,593,330	11,208.4	0	9,226,282	33,964,583.2	3.37	122.17	2.33	52.35	0.00
<i>Agranulocytosis and ANC value 1.0 - <1.5 K/UL</i>														
National Insurers	153,155	153,155	427,157	13,701,166	28,485,977	41,995.3	0	32,837,877	78,308,902.5	4.66	89.46	2.79	32.08	0.00
Sites with EHR	31,061	31,061	72,483	3,794,737	8,593,330	11,208.4	0	9,226,283	33,964,601.4	3.37	122.17	2.33	52.35	0.00
<i>Agranulocytosis and ANC value 0.5 - <1.0 K/UL</i>														
National Insurers	153,155	153,155	427,157	13,701,166	28,485,977	41,995.3	0	32,837,877	78,308,901.8	4.66	89.46	2.79	32.08	0.00
Sites with EHR	31,061	31,061	72,483	3,794,737	8,593,330	11,208.4	0	9,226,282	33,964,600.6	3.37	122.17	2.33	52.35	0.00

	New Users	New Episodes	Dispensings	Days Supplied	Amount Supplied	Years at Risk	New Episodes w/ Events	Eligible Members	Member- Years	New Users / 1K Eligible Members	Days Supplied/ User	Dispensings / User	Days Supplied/ Dispensing	New Episodes w/ Events / 10K Years at Risk
Agranulocytosis and ANC value < 0.5 K/UL														
National Insurers	153,155	153,155	427,157	13,701,166	28,485,977	41,995.3	0	32,837,877	78,308,902.2	4.66	89.46	2.79	32.08	0.00
Sites with EHR	31,061	31,061	72,483	3,794,737	8,593,330	11,208.4	0	9,226,283	33,964,601.2	3.37	122.17	2.33	52.35	0.00
ANC value ≥ 0 K/UL														
National Insurers	136,356	136,356	382,131	12,239,640	25,492,947	34,926.1	7,095	32,597,457	73,578,376.6	4.18	89.76	2.80	32.03	2,031.43
Sites with EHR	25,771	25,771	61,368	3,201,304	7,255,630	8,080.1	2,749	9,185,805	31,361,470.9	2.81	124.22	2.38	52.17	3,402.19
ANC value ≥ 1.5 K/UL														
National Insurers	136,466	136,466	382,437	12,247,617	25,511,110	34,961.2	7,055	32,602,339	73,633,279.5	4.19	89.75	2.80	32.03	2,017.95
Sites with EHR	25,804	25,804	61,453	3,206,494	7,269,331	8,094.3	2,749	9,186,569	31,387,126.4	2.81	124.26	2.38	52.18	3,396.20
ANC value 1.0- <1.5 K/UL														
National Insurers	153,034	153,034	426,798	13,691,502	28,465,929	41,942.8	61	32,835,817	78,256,982.0	4.66	89.47	2.79	32.08	14.54
Sites with EHR	31,004	31,004	72,333	3,785,595	8,570,682	11,160.8	39	9,225,676	33,921,579.7	3.36	122.10	2.33	52.34	34.94
ANC value 0.5 - <1.0 K/UL														
National Insurers	153,128	153,128	427,100	13,699,425	28,483,066	41,980.0	19	32,837,289	78,296,561.5	4.66	89.46	2.79	32.08	4.53
Sites with EHR	31,046	31,046	72,448	3,792,643	8,587,254	11,200.4	7	9,226,092	33,952,888.7	3.37	122.16	2.33	52.35	6.25
ANC value < 0.5 K/UL														
National Insurers	153,151	153,151	427,145	13,700,603	28,485,206	41,992.6	5	32,837,696	78,305,896.5	4.66	89.46	2.79	32.07	1.19
Sites with EHR	31,058	31,058	72,476	3,794,517	8,592,790	11,205.7	9	9,226,212	33,958,957.5	3.37	122.18	2.33	52.36	8.03
Incident with respect to ANC value*														
ANC value ≥ 1.5 K/UL														
National Insurers	136,358	136,358	382,134	12,239,730	25,493,257	34,939.6	7,038	32,597,712	73,581,247.4	4.18	89.76	2.80	32.03	2,014.33
Sites with EHR	25,772	25,772	61,369	3,201,309	7,255,640	8,084.8	2,737	9,185,833	31,361,961.3	2.81	124.22	2.38	52.16	3,385.38
ANC value 1.0- <1.5 K/UL														
National Insurers	152,979	152,979	426,678	13,687,732	28,457,606	41,931.0	61	32,834,565	78,233,101.6	4.66	89.47	2.79	32.08	14.55
Sites with EHR	30,997	30,997	72,313	3,784,604	8,568,177	11,158.4	38	9,225,474	33,910,787.5	3.36	122.10	2.33	52.34	34.05
ANC value 0.5 - <1.0 K/UL														
National Insurers	153,125	153,125	427,091	13,699,034	28,482,594	41,978.9	19	32,837,288	78,295,692.1	4.66	89.46	2.79	32.08	4.53
Sites with EHR	31,046	31,046	72,445	3,792,538	8,587,045	11,200.1	7	9,226,064	33,949,222.7	3.37	122.16	2.33	52.35	6.25
ANC value < 0.5 K/UL														
National Insurers	153,153	153,153	427,148	13,700,693	28,485,516	41,992.9	5	32,837,940	78,309,228.8	4.66	89.46	2.79	32.07	1.19
Sites with EHR	31,059	31,059	72,477	3,794,522	8,592,801	11,205.8	9	9,226,243	33,959,720.8	3.37	122.17	2.33	52.35	8.03

*Incidence with respect to ANC value is defined by ANC values of the same or "worse" ANC category (i.e., a value 0.5 - <1.0 K/UL must be incident with respect to a value < 1.0 K/UL). See specifications for more details.

¹In this request, Data Partners considered "National Insurers" represent 2 Data Partners.

²In this request, Data Partners considered "Sites with EHR" represent 8 Data Partners.

Table 5. Attrition Table

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Carbamazepine - Agranulocytosis (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	0	34,287
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,287
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,287
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,287
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - Agranulocytosis and ANC value = 0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	0	34,287
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,287
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,287
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,287
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - Agranulocytosis and ANC value ≥ 1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	0	34,287
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,287

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,287
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,287
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - Agranulocytosis and ANC value 1.0 - <1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	0	34,287
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,287
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,287
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,287
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - Agranulocytosis and ANC value 0.5 - <1.0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUEREVENTGROUP claim in the prior Event 'WashPer' days]	0	34,287
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,287
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,287
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,287
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Carbamazepine - Agranulocytosis and ANC value < 0.5 K/UL (incident with respect to agranulocytosis)

1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	0	34,287
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,287
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,287
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,287
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - ANC value = 0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	6	34,281
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,281
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,281
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,281
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Carbamazepine - ANC value =1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	6	34,281
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,281
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,281
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,281
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - ANC value 1.0- <1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	16	34,271
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,271
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,271
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,271
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - ANC value 0.5 - <1.0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	21	34,266
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,266
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,266

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,266
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - ANC value < 0.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	4,650	29,637
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	29,637
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	29,637
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	29,637
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - ANC value =1.5 K/UL (incident with respect to ANC value < 1.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	4,601	29,686
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	29,686
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	29,686
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	29,686
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - ANC value 1.0- <1.5 K/UL (incident with respect to ANC value < 1.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	4,650	29,637
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	29,637
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	29,637
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	29,637
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Carbamazepine - ANC value 0.5 - <1.0 K/UL (incident with respect to ANC value < 1.0 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	54	34,233
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,233
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,233
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,233
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Carbamazepine - ANC value < 0.5 K/UL (incident with respect to ANC value < 0.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,258,662	123,079
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	123,079
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	123,079
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	123,079
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	31,134	91,945
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	91,945
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	91,945
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	57,658	34,287
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	78	34,209
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	34,209
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	34,209
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	34,209
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	6	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - Agranulocytosis (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	2	94,627
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,627
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,627
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,627
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - Agranulocytosis and ANC value = 0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	2	94,627
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,627
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,627

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,627
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - Agranulocytosis and ANC value =1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	2	94,627
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,627
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,627
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,627
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - Agranulocytosis and ANC value 1.0 - <1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	2	94,627
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,627
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,627
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,627
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Lamotrigine - Agranulocytosis and ANC value 0.5 - <1.0 K/UL (incident with respect to agranulocytosis)

1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	2	94,627
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,627
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,627
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,627
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - Agranulocytosis and ANC value < 0.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	2	94,627
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,627
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,627
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,627
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Lamotrigine - ANC value = 0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	10	94,619
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,619
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,619
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,619
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - ANC value =1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	8	94,621
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,621
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,621
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,621
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - ANC value 1.0- <1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	25	94,604
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,604
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,604

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,604
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - ANC value 0.5 - <1.0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	30	94,599
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,599
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,599
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,599
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - ANC value < 0.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUEREVENTGROUP claim in the prior Event 'WashPer' days]	10,891	83,738
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	83,738
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	83,738
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	83,738
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - ANC value ≥1.5 K/UL (incident with respect to ANC value < 1.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	10,812	83,817
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	83,817
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	83,817
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	83,817
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - ANC value 1.0- <1.5 K/UL (incident with respect to ANC value < 1.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	10,889	83,740
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	83,740
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	83,740
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	83,740
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Lamotrigine - ANC value 0.5 - <1.0 K/UL (incident with respect to ANC value < 1.0 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	107	94,522
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,522
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,522
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,522
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Lamotrigine - ANC value < 0.5 K/UL (incident with respect to ANC value < 0.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,073,254	308,487
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	308,487
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	308,487

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	308,487
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	80,031	228,456
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	228,456
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	228,456
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	133,827	94,629
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	141	94,488
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	94,488
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	94,488
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	94,488
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	9	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - Agranulocytosis (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	70	54,765
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,765
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,765

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,765
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - Agranulocytosis and ANC value = 0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	70	54,765
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,765
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,765
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,765
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - Agranulocytosis and ANC value =1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	70	54,765
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,765
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,765
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,765
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Levetiracetam - Agranulocytosis and ANC value 1.0 - <1.5 K/UL (incident with respect to agranulocytosis)

1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	71	54,764
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,764
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,764
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,764
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - Agranulocytosis and ANC value 0.5 - <1.0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	71	54,764
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,764
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,764
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,764
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Levetiracetam - Agranulocytosis and ANC value < 0.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	70	54,765
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,765
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,765
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,765
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - ANC value = 0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	131	54,704
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,704
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,704
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,704
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - ANC value =1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	67	54,768
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,768
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,768

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,768
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - ANC value 1.0- <1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	164	54,671
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,671
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,671
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,671
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - ANC value 0.5 - <1.0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	148	54,687
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,687
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,687
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,687
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - ANC value < 0.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	11,305	43,530
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	43,530
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	43,530
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	43,530
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - ANC value =1.5 K/UL (incident with respect to ANC value < 1.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	11,203	43,632
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	43,632
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	43,632
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	43,632
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Levetiracetam - ANC value 1.0- <1.5 K/UL (incident with respect to ANC value < 1.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	11,248	43,587
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	43,587
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	43,587
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	43,587
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - ANC value 0.5 - <1.0 K/UL (incident with respect to ANC value < 1.0 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	297	54,538
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,538
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,538
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,538
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Levetiracetam - ANC value < 0.5 K/UL (incident with respect to ANC value < 0.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	51,235,402	146,339
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	146,339
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	146,339
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	146,339
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	30,949	115,390
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	115,390
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	115,390
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	60,555	54,835
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	333	54,502
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	54,502
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	54,502

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	54,502
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	2	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - Agranulocytosis (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	3	184,216
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,216
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,216
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,216
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - Agranulocytosis and ANC value = 0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUEREVENTGROUP claim in the prior Event 'WashPer' days]	3	184,216
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,216
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,216
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,216
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Topiramate - Agranulocytosis and ANC value ≥ 1.5 K/UL (incident with respect to agranulocytosis)

1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	3	184,216
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,216
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,216
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,216
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - Agranulocytosis and ANC value 1.0 - <1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	3	184,216
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,216
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,216
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,216
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Topiramate - Agranulocytosis and ANC value 0.5 - <1.0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	3	184,216
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,216
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,216
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,216
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - Agranulocytosis and ANC value < 0.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	3	184,216
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,216
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,216
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,216
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - ANC value = 0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	10	184,209
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,209
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,209

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,209
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - ANC value =1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	7	184,212
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,212
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,212
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,212
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - ANC value 1.0- <1.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUEREVENTGROUP claim in the prior Event 'WashPer' days]	45	184,174
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,174
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,174
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,174
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - ANC value 0.5 - <1.0 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	48	184,171
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,171
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,171
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,171
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - ANC value < 0.5 K/UL (incident with respect to agranulocytosis)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	22,092	162,127
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	162,127
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	162,127
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	162,127
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
Topiramate - ANC value =1.5 K/UL (incident with respect to ANC value < 1.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	21,949	162,270
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	162,270
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	162,270
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	162,270
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - ANC value 1.0- <1.5 K/UL (incident with respect to ANC value < 1.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	22,089	162,130
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	162,130
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	162,130
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	162,130
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - ANC value 0.5 - <1.0 K/UL (incident with respect to ANC value < 1.0 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion – Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion – Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	. Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	181	184,038
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	184,038
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	184,038

Criterion Number	Criterion Description	Cases Excluded	Cases Remaining
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	184,038
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	
Topiramate - ANC value < 0.5 K/UL (incident with respect to ANC value < 0.5 K/UL)			
1	Initial Member Count - Members with a non-missing birth date/sex at any enrollment episode overlapping the query period		77,218,150
2	Exclusion - Members must be excluded if they only have episodes with DrugCov=N and MedCov=Y during the query period	18,301,860	58,916,290
3	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N during the query period	7,511,818	51,404,472
4	Exclusion - Members must be excluded if they only have episodes with DrugCov=Y and MedCov=N and DrugCov=N and MedCov=Y during the query period	21,963	51,382,509
5	Exclusion - Members must satisfy the age range condition within the query period	768	51,381,741
6	Exclusion - Members must have at least one QUERYGROUP claim within the query period	50,956,496	425,245
7	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days supplied	0	425,245
8	Exclusion - Members must have at least one QUERYGROUP episode with at least minimum days duration	0	425,245
9	Exclusion - Members must have at least one QUERYGROUP episode with more than blackout days duration	0	425,245
10	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the 'EnrDays' parameter	93,235	332,010
11	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Query 'WashPer' parameter	0	332,010
12	Exclusion - Members must have at least one QUERYGROUP episode satisfying the enrollment criterion specified by the Event 'WashPer' parameter	0	332,010
13	Exclusion - Members must have at least one QUERYGROUP episode that meets Query incidence criterion [no QUERYGROUP claim in the prior Query 'WashPer' days]	147,791	184,219
14	Exclusion - Members must have at least one QUERYGROUP episode that meets Event incidence criterion [no QUERYEVENTGROUP claim in the prior Event 'WashPer' days]	243	183,976
15	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion enrollment requirement	0	183,976
16	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Exclusion conditions	0	183,976
17	Exclusion - Members must have at least one QUERYGROUP episode satisfying the Inclusion conditions	0	183,976
18	Information - Members with at least one QUERYFILE claim with supply and/or amount outside specified ranges	3	
19	Information - Members with at least one EVENTFILE claim with supply and/or amount outside specified ranges	0	
20	Information - Members with at least one CONDFILE claim with supply and/or amount outside specified ranges	0	

Appendix A. ICD-9-CM Diagnosis Codes Used to Define Agranulocytosis Events in this Report

Description	Code*
Diseases of white blood cells	288
Neutropenia	288.0
Neutropenia, unspecified	288.00
Congenital neutropenia	288.01
Cyclic neutropenia	288.02
Drug induced neutropenia	288.03
Neutropenia due to infection	288.04
Other neutropenia	288.09
Genetic anomalies of leukocytes	288.2
Hemophagocytic syndromes	288.4
Decreased white blood cell count	288.5
Leukocytopenia, unspecified	288.50
Other decreased white blood cell count	288.59
Unspecified disease of white blood cells	288.9

* exact match query