

Clinical Drug Investigation

Real-World Treatment of Post-Herpetic Neuralgia with Gabapentin or Pregabalin

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Electronic Supplementary Material

The following material is intended for Web-exclusive content.

Appendix 1. Pre-index Use of Pain Medications by Index Therapy Cohort

Medication	Gabapentin (N=939)		Pregabalin (N=706)	
	n	%	n	%
Any antidepressants	261	27.80	178	25.21
Tricyclic antidepressants (TCAs) and related compounds				
Any TCAs	84	8.95	56	7.93
amitriptyline (Elavil, ENDEP, Vanatrip)	61	6.50	41	5.81
nortriptyline (Aventyl, Pamelor)	17	1.81	8	1.13
Less than 1% of each index therapy cohort had claims for desipramine, doxepin, imipramine, and maprotiline.				
Selective serotonin reuptake inhibitors (SSRIs)				
Any SSRIs	121	12.89	91	12.89
citalopram (Celexa)	13	1.38	10	1.42
escitalopram (Lexapro)	30	3.19	24	3.40
fluoxetine	26	2.77	13	1.84
paroxetine (Paxil, Paxil CR)	19	2.02	13	1.84
sertraline (Zoloft)	35	3.73	33	4.67
Serotonin and norepinephrine reuptake inhibitors (SNRIs)				
Any SNRIs	46	4.90	33	4.67
Duloxetine (Cymbalta)	21	2.24	22	3.12
Venlafaxine (Effexor, Effexor XR)	26	2.77	11	1.56
Aminoketone (DNRI)				
Any DNRI	16	1.70	12	1.70
bupropion SR	16	1.70	12	1.70
Other antidepressants				
Any antidepressants	43	4.58	23	3.26
mirtazapine (Remeron)	14	1.49	3	0.42
trazodone (Desyrel)	29	3.09	20	2.83
Less than 1% of each index therapy cohort had claims for nefazodone (Serzone)				
Antiepileptics				
Any Antiepileptics	36	3.83	45	6.37
carbamazepine	10	1.06	10	1.42
gabapentin	NA	NA	20	2.83
topiramate	13	1.38	8	1.13
Less than 1% of each index therapy cohort had claims for pregabalin, zonisamide, tiagabine, oxcarbazepine, levetiracetam, lamotrigine, and divalproex (also referred to as valproate or valproic acid)				

Medication	Gabapentin (N=939)		Pregabalin (N=706)	
	n	%	n	%
Antiepileptics: Other Antiepileptic Drugs (AEDs)				
Less than 1% of each index therapy cohort had claims for phenytoin sodium extended				
Opioids				
Any Opioids	646	68.80	504	71.39
Codeine	82	8.73	43	6.09
Morphine	19	2.02	16	2.27
Hydrocodone	427	45.47	349	49.43
Oxycodone	156	16.61	157	22.24
Hydromorphone	16	1.70	13	1.84
Fentanyl	19	2.02	21	2.97
Meperidine	15	1.60	15	2.12
Propoxyphene	102	10.86	81	11.47
Tramadol	88	9.37	77	10.91
Less than 1% of each index therapy cohort had claims for opium, dezocine, pentazocine, butorphanol, nalbuphine, buprenorphine, methadone, levomethadyl, sufentanil, remifentanil, alfentanil, levorphanol, oxymorphone, or dihydrocodeine				
Topical Medications				
Any Topical Medications	291	30.99	192	27.20
Lidocaine	86	9.16	85	12.04
Zostrix	221	23.54	124	17.56
NA = not applicable				

Appendix 2. Mean Daily Dose by Fill by Index Therapy Cohort

	Gabapentin (N=939)			Pregabalin (N=706)		
	Valid N	Mean (mg)	SD	Valid N	Mean (mg)	SD
Fill #1 (Index fill)	939	760.37	614.51	706	174.83	91.18
Fill #2	494	904.48	725.19	402	205.47	113.27
Fill #3	325	977.67	654.22	273	216.35	120.53
Fill #4	254	1,035.30	694.84	209	222.36	127.34
Fill #5	200	1,118.83	761.05	159	232.30	127.35
Fill #6	159	1,087.56	685.12	135	245.44	134.28
Fill #7	125	1,042.40	676.03	106	257.39	150.72
Fill #8	107	1,093.46	709.57	86	248.24	150.92
Fill #9	88	1,119.89	719.06	71	236.81	144.79
Fill #10	75	1,090.67	694.27	56	229.46	145.31
Fill #11	58	1,137.23	714.12	49	234.31	150.62
Fill #12	39	1,066.15	643.12	32	229.13	140.64
Fill #13	22	1,014.09	569.79	17	283.09	164.71