**Supplementary Table 1. Frequencies and proportions of the top 20 reported adverse events of topiramate and other antiepileptics classified by the WHO-ART PT Code.**

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| --- | --- | --- | --- | --- |
| WHO-ART PT Code | Adverse event | Topiramate(Total: 1,861)n (%) | Other antiepileptics (Total: 137,745)n (%) | p-value |
| 101 | Dizziness | 157 (8.4) | 13,450 (9.8) | <.0001 |
| 137 | Paraesthesia | 124 (6.7) | 1,009 (0.7) |
| 27 | Rash | 89 (4.8) | 7,608 (5.5) |
| 197 | Somnolence | 86 (4.6) | 7,743 (5.6) |
| 165 | Anorexia | 84 (4.5) | 2,274 (1.7) |
| 407 | Weight decrease | 78 (4.2) | 191 (0.1) |
| 109 | Headache | 56 (3.0) | 2,637 (1.9) |
| 308 | Nausea | 51 (2.7) | 10,716 (7.8) |
| 117 | Hypoaesthesia | 50 (2.7) | 286 (0.2) |
| 183 | Insomnia | 49 (2.6) | 1,589 (1.2) |
| 279 | Dyspepsia  | 40 (2.1) | 3,145 (2.3) |
| 24 | Pruritus | 38 (2.0) | 5,028 (3.7) |
| 154 | Tremor | 37 (2.0) | 1,092 (0.8) |
| 164 | Amnesia | 36 (1.9) | 172 (0.1) |
| 204 | Constipation | 35 (1.9) | 3,621 (2.6) |
| 1346 | Hepatic enzymes increased | 31 (1.7) | 966 (0.7) |
| 268 | Abdominal pain | 27 (1.5) | 1,841 (1.3) |
| 221 | Palpitation | 22 (1.2) | 547 (0.4) |
| 725 | Fever | 18 (1.0) | 2,300 (1.7) |
| 408 | Weight increase | 17 (0.9) | 842 (0.6) |

Abbreviations: WHO-ART PT, World Health Organization-Adverse Reactions Terminology Preferred Terms