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| Variation in delirium incidences between SID and NIS across different patient’s characteristics |
|  | **SID** | **NIS** |
| **Age category** | **2008** | **2009** | **2010** | **2011** | **2008** | **2009** | **2010** | **2011** |
| **0-17 years** | 99(0.09%) | 135(0.12%) | 143(0.13%) | 143(0.14%) | 1405(0.1%) | 1977(0.15%) | 2080(0.15%) | 1458(0.11%) |
| **18-25 years** | 63(0.07%) | 62(0.07%) | 68(0.08%) | 59(0.08%) | 1757(0.18%) | 1747(0.19%) | 2528(0.28%) | 2297(0.27%) |
| **26-30 years** | 52(0.07%) | 43(0.06%) | 60(0.08%) | 64(0.09%) | 1248(0.17%) | 1323(0.19%) | 1604(0.23%) | 1471(0.21%) |
| **31-35 years** | 57(0.08%) | 76(0.11%) | 84(0.12%) | 80(0.11%) | 1455(0.23%) | 1438(0.23%) | 1927(0.32%) | 1875(0.3%) |
| **36-40 years** | 109(0.18%) | 112(0.19%) | 122(0.21%) | 99(0.18%) | 2070(0.4%) | 2422(0.48%) | 2812(0.59%) | 2670(0.58%) |
| **41-45 years** | 169(0.33%) | 177(0.36%) | 175(0.38%) | 184(0.41%) | 3436(0.73%) | 3779(0.84%) | 4127(0.97%) | 3979(0.97%) |
| **46-50 years** | 330(0.53%) | 317(0.52%) | 307(0.51%) | 324(0.55%) | 5931(1.06%) | 6590(1.18%) | 6838(1.25%) | 7118(1.35%) |
| **51-55 years** | 406(0.68%) | 416(0.68%) | 468(0.75%) | 461(0.75%) | 8677(1.36%) | 9928(1.57%) | 1089(1.7%) | 12321(1.91%) |
| **56-60 years** | 567(0.88%) | 637(0.98%) | 715(1.08%) | 713(1.06%) | 9823(1.4%) | 11266(1.66%) | 12524(1.82%) | 13888(1.97%) |
| **61-65 years** | 728(1.14%) | 822(1.23%) | 861(1.23%) | 951(1.32%) | 12338(1.74%) | 14570(2.04%) | 15617(2.13%) | 18520(2.41%) |
| **66-70 years** | 899(1.44%) | 1037(1.63%) | 1191(1.75%) | 1182(1.71%) | 16091(2.26%) | 18526(2.61%) | 20234(2.82%) | 22925(3.02%) |
| **71-75 years** | 1166(1.99%) | 1289(2.18%) | 1383(2.29%) | 1446(2.40%) | 20320(3.09%) | 22055(3.44%) | 23367(3.76%) | 25334(3.95%) |
| **76-80 years** | 1486(2.73%) | 1580(2.93%) | 1666(3.13%) | 1671(3.22%) | 22659(3.81%) | 24491(4.26%) | 25195(4.71%) | 26695(4.93%) |
| **81-85 years** | 1426(3.34%) | 1553(3.69%) | 1619(3.85%) | 1615(3.96%) | 21466(4.89%) | 22488(5.3%) | 23907(5.93%) | 25459(6.1%) |
| **86-90 years** | 1037(3.91%) | 1158(4.26%) | 1370(4.83%) | 1403(4.85%) | 13056(5.69%) | 14535(6.42%) | 15934(7.08%) | 17693(7.46%) |
| **91-95 years** | 205(4.44%) | 239(4.94%) | 285(5.70%) | 316(6.13%) | 4254(6.98%) | 4808(7.91%) | 5019(8.29%) | 5773(8.92%) |
| **96-100years** | 22(4.90%) | 29(5.62%) | 31(5.95%) | 46(8.11%) | 714(6.99%) | 915(8.69%) | 887(8.86%) | 1345(11.14%) |
| **Unknown** | 1781(1.08%) | 2090(1.27%) | 2033(1.25%) | 2157(1.34%) | 33562(1.76%) | 37846(2.03%) | 39402(2.17%) | 43019(2.39%) |
| **Race** |  |  |
| **White** | 7563(1.33%) | 8370(1.49%) | 8854(1.58%) | 9075(1.66%) | 114958(1.7%) | 128980(1.9%) | 146391(2.11%) | 161688(2.3%) |
| **African American** | 544(0.81%) | 612(0.90%) | 659(0.96%) | 681(0.99%) | 14558(1.37%) | 16915(1.49%) | 22227(1.66%) | 24645(1.87%) |
| **Hispanic** | 1404(0.47%) | 1607(0.53%) | 1771(0.59%) | 1798(0.61%) | 8512(0.81%) | 12021(1.02%) | 12378(1.06%) | 14943(1.18%) |
| **Asian or Pacific** | 573(0.72%) | 604(0.75%) | 728(0.89%) | 799(0.96%) | 2472(0.86%) | 2776(1.03%) | 3106(1.1%) | 3073(1.14%) |
| **Native American** | \* | \* | 10(0.94%) | 11(1.02%) | 741(1.17%) | 1161(1.51%) | 1203(1.54%) | 905(1.67%) |
| **Other** | 206(0.88%) | 212(0.93%) | 219(0.95%) | 211(0.83%) | 3387(0.98%) | 4462(1.17%) | 3667(1.14%) | 4882(1.39%) |
| **Total** | **10602****(0.94%)** | **11772****(1.05%)** | **12581****(1.13%)** | **12914****(1.18%)** | **180281****(1.5%)** | **200704****(1.72%)** | **214904****(1.87%)** | **233841****(2.04%)** |