**Supplemental Table 1. Trends in adverse events by type using ICD-10 Y codes from 2002 to 2013**

|  |  |  |
| --- | --- | --- |
|  | Year | Sum |
| 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Related to drugs, transfusions, and fluids | n | 1283 | 1637 | 1246 | 787 | 882 | 1053 | 1259 | 1308 | 1293 | 2340 | 3595 | 2763 | 19 446 |
| % (column) | 93.9 | 92.3 | 90.6 | 92.2 | 98.2 | 98.6 | 97.2 | 98.6 | 97.7 | 92.3 | 93.6 | 87.5 | 93.4 |
| Related to vaccines and immunoglobulin | n | 1 | 10 | 11 | 6 | 0 | 0 | 0 | 0 | 5 | 6 | 17 | 16 | 72 |
| % (column) | 0.1 | 0.6 | 0.8 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.2 | 0.4 | 0.5 | 0.3 |
| Related to surgery and procedures | n | 75 | 112 | 90 | 54 | 15 | 12 | 29 | 17 | 11 | 190 | 229 | 375 | 1209 |
| % (column) | 5.5 | 6.3 | 6.6 | 6.3 | 1.7 | 1.1 | 2.2 | 1.3 | 0.8 | 7.5 | 6.0 | 11.9 | 5.8 |
| Related to infections | n | 7 | 10 | 27 | 7 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 56 |
| % (column) | 0.5 | 0.6 | 2.0 | 0.8 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 |
| Related to devices | n | 0 | 5 | 1 | 0 | 0 | 1 | 8 | 1 | 14 | 0 | 1 | 0 | 31 |
| % (column) | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.1 | 0.6 | 0.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| Others | n | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| % (column) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| Sum | n | 1366 | 1774 | 1375 | 854 | 898 | 1068 | 1296 | 1326 | 1323 | 2536 | 3842 | 3159 | 20 817 |
| Total (n) | 803 791 | 799 850 | 821 537 | 839 195 | 834 831 | 856 828 | 865 189 | 881 254 | 865 572 | 900 885 | 909 367 | 911 672 | 10 289971 |
| Total adverse event rate (%) | 0.17 | 0.22 | 0.17 | 0.10 | 0.11 | 0.12 | 0.15 | 0.15 | 0.15 | 0.28 | 0.42 | 0.35 | 0.20 |