**Appendix Table 1: Postoperative complication by types of surgery**

| **Type of surgery\*** | **N** | **Bradycardia n (%)** | **Cardiac arrest** **n (%)** | **Anaphylaxis n (%)** | **Bronchospasm n (%)** |
| --- | --- | --- | --- | --- | --- |
| Operations on the nervous system | 7079 | 133(2%) | 0 (0%) | 0 (0%) | 46 (1%) |
| Operations on the endocrine system | 1745 | 65 (4%) | 1 (0.06%) | 0 (0%) | 11 (1%) |
| Operations on the eye | 348 | 3 (1%) | 0 (0%) | 0 (0%) | 4 (2%) |
| Operations on the ear | 312 | 3 (1%) | 0 (0%) | 0 (0%) | 3 (1%) |
| Operations on the nose, mouth, and pharynx | 2419 | 47 (2%) | 0 (0%) | 0 (0%) | 16 (1%) |
| Operations on the respiratory system | 10451 | 178 (2%) | 1 (0.01%) | 0 (0%) | 68 (1%) |
| Operations on the cardiovascular system | 7984 | 67 (2%) | 3 (0.1%) | 0 (0%) | 27 (1%) |
| Operations on the hemic and lymphatic system | 985 | 39 (4%) | 0 (0%) | 0 (0%) | 5 (1%) |
| Operations on the digestive system | 22051 | 328 (2%) | 2 (0.01%) | 2 (0.01%) | 139 (1%) |
| Operations on the urinary system | 6790 | 121 (2%) | 1(0.02%) | 0 (0%) | 55 (1%) |
| Operations on the male genital organs | 2864 | 64 (2%) | 0 (0%) | 1 (0.04%) | 16 (1%) |
| Operations on the female genital organs | 5138 | 90 (2%) | 0 (0%) | 0 (0%) | 38 (1%) |
| Obstetrical procedures | 67 | 1 (2%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Operations on the musculoskeletal system | 11255 | 394 (4%) | 1 (0.01%) | 0 (0%) | 113 (1%) |
| Operations on the integumentary system | 6410 | 180 (3%) | 1 (0.02%) | 1 (0.02%) | 44 (1%) |
| Miscellaneous diagnostic and therapeutic procedures | 3855 | 112 (3%) | 1 (0.03%) | 1 (0.03%) | 20 (1%) |

\*Grouped by Clinical Classifications Software (CCS) from https://www.hcup-us.ahrq.gov/toolssoftware/ccs/ccs.jsp