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| **Table 1.** Patient and Hospital Characteristics of Admissions for Sinonasal Cancer Surgery | | | | | | | | | | | |
|  |  | | **High Volume Centers  (>5 Cases/Year)** | | | | **Low Volume Centers (>5 Cases/Year)** | | | |  |
| Age, mean (SD) | | | 59.8 ± 14.3 | | | | 62.0 ± 17.2 | | | |  |
|  |  | |  | |  | | | |  | | |
| Sex, n (%) | Male | | 424 (40.0) | | | | | 1214 (43.5) | | |  |
|  | Female | | 633 (60.0) | | | | | 1568 (56.2) | | |  |
|  |  |  | |  | | | |  | |  | |
| Race, n (%) | White | | 632 (59.6) | | | | | 1424 (51.1) | | |  |
|  | Black | | 53 (5.0) | | | | | 214 (7.7) | | |  |
|  | Hispanic | | 54 (5.1) | | | | | 163 (5.8) | | |  |
|  | Asian/Pacific Islander | | 30 (2.8) | | | | | 65 (2.3) | | |  |
|  | Native American | | 1 (0.1) | | | | | 9 (0.0) | | |  |
|  | Other or unknown | | 271 (1.9) | | | | | 879 (31.5) | | |  |
|  |  | |  | |  | | | |  | | |  |
| Primary payer, n (%) | Private | | 440 (41.5) | | | | | 1288 (46.2) | | |  |
| Medicaid | | 69 (6.5) | | | | | 214 (7.7) | | |  |
|  | Medicare | | 480 (45.2) | | | | | 1066 (38.2) | | |  |
|  | Self-pay | | 40 (3.8) | | | | | 75 (2.7) | | |  |
|  | Other or unknown | | 27 (2.5) | | | | | 110 (3.9) | | |  |
|  |  | |  | |  | | | |  | | |  |
| Hospital size, n (%)b | Small | |  | | | | |  | | |  |
| Medium | |  | | | | |  | | |  |
|  | Large | |  | | | | |  | | |  |
|  |  | |  | |  | | | |  | | |  |
| Hospital type, n (%) | Teaching | |  | | | | |  | | |  |
| Non-teaching | |  | | | | |  | | |  |
|  |  | |  | |  | | | |  | | |  |
| Hospital location, n (%) | Urban | |  | | | | |  | | |  |
| Non-urban | |  | | | | |  | | |  |
|  |  | |  | |  | | | |  | | |  |
| **Total, n (%)** |  | | **1061(28.5)** | | | **2789 (71.5)** | | | | |  |
| Data are cumulative, 1988-2009. Abbreviations: CI, confidence interval.  aStatistically significant value (*P*<.05).  bHospital size classification is dependent on number of beds and hospital type. For example, for urban, teaching hospitals, “small” signifies < 300 beds and “large” signifies > 500 beds. | | | | | | | | | | | |

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| **Table 2.** Number of Hospitals, Sinonasal Cancer Surgeries Stratified by Hospital Caseload | | | | | |  |
|  | **1988 to 2009** | | | | |  |
|  | **Hospitals, n (%)** | **Cases (%)** | **Cases with Neck Dissection (%)** | **Cases with Orbital Involvement (%)** | **Cases with  Skull Base Involvement (%)** | **Average Length of Stay (SD)** |
| High Volume Hospitals (>5 Cases/Year) | 32 (3.6) | 1061 (28.5) | 79 (32.4) | 106 (44.6) | 128 (43.1) | 7.8 (8.5) |
| Low Volume Hospitals (<5 Cases/Year) | 847 (96.4) | 2789 (71.5) | 831 (57.5) | 130 (53.4) | 169 (56.9) |  |
| **Total** | **879 (100)** | **3,850 (100)** | **244 (100)** | **236 (100)** | **297 (100)** |  |
|  |  |  |  |  |  |  |

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| **Table 3.** Complications of Sinonasal Cancer Surgery | | | | | | | | | |
|  | **Total** | **High Volume Centers** | | | **Low Volume Centers** | | |  | |
| Deaths, n (%) | 30 (0.78) | 4 (0.38) | | | 26 (0.93) | | |  | |
|  |  |  | | |  |  | | | |
| Infectious, n (%) |  |  |  | | | | |  | |
| Urinary Tract Infections (UTIs) | 71 |  |  | | | | |  | |
| Surgical Site Infection | 53 |  |  | | | | |  | |
| Unspecified Postop Infection | 17 |  |  | | | | |  | |
|  |  |  |  | | | | |  | |
| Cardiopulmonary, n (%) |  |  |  | | | | |  | |
| Pulmonary Complications | 131 |  | |  |  | |  | |
| Cardiac Complications | 61 |  |  | | | | |  | |
| Stroke | 16 |  |  | | | | |  | |
| Hemorrhage | 97 |  |  | | | | |  | |
|  |  |  |  | | | | |  | |
| Other, n (%) |  |  |  | | | | |  | |
| Deep Vein Thrombosis |  |  | | |  |  | | | |  |
| Neuropathies  CSF Leak |  |  |  | | | | |  | |
|  |  |  | | | | |  | |
| Hemorrhage |  |  |  | | | | |  | |
|  |  |  |  | | | | |  | |
| **Total Complications** | **602 (15.6)** |  |  | | | | |  | |
|  | | | | | | | |  | |  |