**Tables**

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| **Table 1.** Number of Hospitals, Admissions for Medically-Refractory Epilepsy, and Lobectomies Stratified by Hospital Caseload: 1990-1994 versus 2004-2008 | | | | | |
|  | **1990 to 1994** | | | | |
|  | **Hospitals Admitting for Medically-Refractory Epilepsy, n (%)** | **Hospitalizations for Medically-Refractory Epilepsy, n (%)** | **Lobectomies Performed, n (%)** | **Percent of Hospitalizations Including Lobectomy** | **Relative Risk (95% CI)b** |
| Top 20 Hospitals Performing Lobectomy | 20 (1.1) | 6,450 (30.6) | 614 (42.5) | 9.5 | 1 [Reference] |
| Other Hospitals Performing Lobectomy | 140 (7.6) | 6,704 (31.8) | 831 (57.5) | 9.4 | 1 [Reference] |
| Hospitals Not Performing Lobectomy | 1,685 (91.3) | 7,936 (37.6) | 0 (0) | 0 | -- |
| **Total** | **1,845** (100) | **21,090** (100) | **1,446** (100) | **6.9** | 1 [Reference] |
|  |  |  |  |  |  |
|  | **2004 to 2008** | | | | |
|  | **Hospitals Admitting for Medically-Refractory Epilepsy, n (%)** | **Hospitalizations for Medically-Refractory Epilepsy, n (%)** | **Lobectomies Performed, n (%)** | **Percent of Hospitalizations Including Lobectomy** | **Relative Risk (95% CI)b** |
| Top 20 Hospitals Performing Lobectomy | 20 (0.9) | 4,406 (11.0) | 423 (24.8) | 9.6 | 1.01 (0.90-1.13) |
| Other Hospitals Performing Lobectomy | 350 (15.6) | 27,285 (67.9) | 1,286 (75.2) | 4.5 | 0.38 (0.35-0.41)a |
| Hospitals Not Performing Lobectomy | 1,880 (83.6) | 8,520 (21.2) | 0 (0) | 0 | -- |
| **Total** | **2,250** (100) | **40,210** (100) | **1,709** (100) | **4.3** | 0.62 (0.58-0.65)a |
| Abbreviations: CI, confidence interval.  aStatistically significant value (*P*<.05).  bOdds ratio comparing likelihood of lobectomy during hospitalization from 1990-1994 versus 2004-2008. | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 2.** Patient and Hospital Characteristics of Admissions for Medically-Refractory Epilepsy with or without Lobectomy | | | | | | | | | | |
|  |  | | **Received Lobectomy** | | **Did Not Receive Lobectomy** | | | **Relative Risk (95% CI), or Student’s *t* (*P* value)** | | |
| Age, mean (SD), y | | | 30.6 ± 14.3 | | 31.9 ± 19.3 | | | 2.25 (< 0.001)a | | |
|  |  | |  | | |  | | |  | |
| Sex, n (%) | Male | | 3,146 (5.9) | | 50,371 (94.1) | | | 1 [Reference] | | |
|  | Female | | 3,507 (6.0) | | 55,002 (94.0) | | | 1.02 (0.97-1.07) | | |
|  |  |  | |  | | |  | | |  |
| Race, n (%) | White | | 3,998 (6.5) | | 57,517 (93.5) | | | 1 [Reference] | | |
|  | Black | | 260 (3.3) | | 7,720 (96.7) | | | 0.50 (0.44-0.58)a | | |
|  | Hispanic | | 429 (5.9) | | 6,861 (94.1) | | | 0.91 (0.82-1.00)a | | |
|  | Asian/Pacific Islander | | 47 (4.2) | | 1,067 (95.8) | | | 0.65 (0.49-0.86)a | | |
|  | Native American | | 19 (2.4) | | 769 (97.6) | | | 0.37 (0.24-0.58)a | | |
|  | Other or unknown | | 1900 (5.7) | | 31,441 (94.3) | | | 0.88 (0.83-0.92)a | | |
|  |  | |  | | |  | | |  | |
| Primary payer, n (%) | Private | | 4,185 (7.4) | | 52,524 (92.6) | | | 1 [Reference] | | |
| Medicaid | | 1,180 (4.8) | | 23,586 (95.2) | | | 0.65 (0.61-0.69)a | | |
|  | Medicare | | 907 (3.9) | | 22,571 (96.1) | | | 0.52 (0.49-0.56)a | | |
|  | Self-pay | | 108 (5.0) | | 2,059 (95.0) | | | 0.68 (0.56-0.81)a | | |
|  | Other or unknown | | 273 (5.6) | | 4,633 (94.4) | | | 0.75 (0.67-0.85)a | | |
|  |  | |  | | |  | | |  | |
| Hospital size, n (%)b | Small | | 688 (7.4) | | 8,633 (92.6) | | | 1 [Reference] | | |
| Medium | | 1,213 (5.3) | | 21,675 (94.7) | | | 0.72 (0.66-0.79)a | | |
|  | Large | | 4,752 (6.0) | | 75,065 (94.0) | | | 0.81 (0.75-0.87)a | | |
|  |  | |  | | |  | | |  | |
| Hospital type, n (%) | Teaching | | 5,839 (6.5) | | 83,654 (93.5) | | | 1 [Reference] | | |
| Non-teaching | | 814 (3.6) | | 21,719 (96.4) | | | 0.54 (0.50-0.58)a | | |
|  |  | |  | | |  | | |  | |
| Hospital location, n (%) | Urban | | 6,490 (6.1) | | 100,200 (93.9) | | | 1 [Reference] | | |
| Non-urban | | 163 (3.1) | | 5,173 (96.9) | | | 0.50 (0.43-0.59)a | | |
|  |  | |  | | |  | | |  | |
|  | Northeast | | 1,326 (4.6) | | 27,782 (95.4) | | | 1 [Reference] | | |
|  | Midwest | | 1,465 (5.5) | | 25,414 (94.5) | | | 1.20 (1.11-1.29)a | | |
|  | South | | 2,202 (6.8) | | 30,096 (93.2) | | | 1.50 (1.40-1.60)a | | |
|  | West | | 1,661 (7.0) | | 22,081 (93.0) | | | 1.54 (1.43-1.65)a | | |
| **Total**, n (%) |  | | **6,653** (5.9) | | **105,373** (94.1) | | |  | | |
| Data are cumulative, 1990-2008. 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. | | | | | | | | | | |