**Suppl 1.** Multivariable analysis of factors associated with concomitant versus staged surgery

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Concomitant (vs. Staged) | | | | | | |
|  | **(1)** | **(2)** | **(3)** | **(4)** | **(5)** | **(6)** | **(7)** |
| **Race (reference Caucasian)** |  |  |  |  |  |  |  |
| American Indian or Alaskan Native | 1.011 | 1.083 | 1.031 | 1.025 | 1.06 | 1.034 | 1.016 |
|  | [0.446,2.290] | [0.477,2.455] | [0.454,2.341] | [0.452,2.329] | [0.466,2.409] | [0.455,2.350] | [0.447,2.307] |
| Asian | 2.754\*\* | 2.542\*\* | 2.544\*\* | 2.576\*\* | 2.393 | 2.435\*\* | 2.585\*\* |
|  | [1.137,6.671] | [1.048,6.164] | [1.049,6.170] | [1.062,6.249] | [0.985,5.813] | [1.003,5.911] | [1.065,6.270] |
| Black | 1.467\*\* | 1.467\*\* | 1.475\*\* | 1.494\*\* | 1.470\*\* | 1.480\*\* | 1.497\*\* |
|  | [1.010,2.132] | [1.009,2.131] | [1.015,2.143] | [1.027,2.173] | [1.010,2.138] | [1.017,2.153] | [1.029,2.177] |
| Hispanic | 2.054\*\* | 2.036\*\* | 1.991\*\* | 2.013\*\* | 1.806\*\* | 1.782 | 2.028\*\* |
|  | [1.156,3.650] | [1.146,3.619] | [1.120,3.541] | [1.132,3.582] | [1.011,3.227] | [0.996,3.186] | [1.140,3.609] |
| Other | 1.922 | 1.845 | 1.836 | 1.852 | 1.748 | 1.759 | 1.858 |
|  | [0.952,3.879] | [0.914,3.726] | [0.909,3.708] | [0.917,3.740] | [0.865,3.535] | [0.870,3.556] | [0.920,3.753] |
| Unknown | 0.943 | 0.905 | 0.905 | 0.91 | 0.894 | 0.898 | 0.911 |
|  | [0.579,1.537] | [0.555,1.476] | [0.555,1.475] | [0.558,1.483] | [0.548,1.458] | [0.551,1.464] | [0.559,1.486] |
| **Region (reference South)** |  |  |  |  |  |  |  |
| Midwest | 1.139 | 1.126 | 1.220\*\* | 1.217\*\* | 1.223\*\* | 1.197\*\* | 1.228\*\* |
|  | [0.992,1.308] | [0.979,1.294] | [1.041,1.430] | [1.039,1.426] | [1.042,1.434] | [1.019,1.405] | [1.046,1.440] |
| Northeast | 1.589\*\*\* | 1.381\*\*\* | 1.522\*\*\* | 1.535\*\*\* | 1.486\*\*\* | 1.439\*\*\* | 1.550\*\*\* |
|  | [1.337,1.889] | [1.144,1.666] | [1.235,1.874] | [1.245,1.891] | [1.201,1.838] | [1.160,1.786] | [1.256,1.914] |
| West | 1.229\*\*\* | 1.232\*\*\* | 1.293\*\*\* | 1.279\*\*\* | 1.17 | 1.177 | 1.289\*\*\* |
|  | [1.060,1.426] | [1.056,1.437] | [1.101,1.519] | [1.087,1.504] | [0.982,1.393] | [0.990,1.399] | [1.095,1.517] |
| **Specialty POP** | 0.868 | 0.808\*\* | 0.808\*\* | 0.81 | 0.781\*\* | 0.778\*\* | 0.813 |
| Urology | [0.706,1.066] | [0.654,0.997] | [0.655,0.998] | [0.657,1.001] | [0.632,0.966] | [0.629,0.962] | [0.659,1.004] |
|  |  |  |  |  |  |  |  |
| Obstetrics/gynecology | 1.190\*\* | 1.201\*\* | 1.193\*\* | 1.191\*\* | 1.193\*\* | 1.194\*\* | 1.193\*\* |
|  | [1.016,1.394] | [1.024,1.408] | [1.017,1.398] | [1.016,1.397] | [1.018,1.399] | [1.018,1.399] | [1.018,1.399] |
| Other | 0.803 | 0.8 | 0.797 | 0.794 | 0.784 | 0.784 | 0.795 |
|  | [0.628,1.027] | [0.626,1.023] | [0.623,1.019] | [0.621,1.016] | [0.613,1.003] | [0.613,1.003] | [0.622,1.017] |
| **Per Capita Income (in 1,000 USD)** |  | 1.020\*\*\* | 1.021\*\*\* | 1.022\*\*\* | 1.012 | 1.016\*\* | 1.021\*\*\* |
|  |  | [1.007,1.032] | [1.009,1.034] | [1.009,1.035] | [0.998,1.026] | [1.003,1.029] | [1.009,1.034] |
| **% Households with Post-Secondary Education (age ≥25)** |  | 0.995 | 0.996 | 0.998 | 1.001 | 1.002 | 0.998 |
|  |  | [0.985,1.004] | [0.987,1.005] | [0.988,1.007] | [0.991,1.011] | [0.991,1.012] | [0.988,1.008] |
| **% Households with <64 Years Uninsured** |  |  | 1.015\*\* | 1.016\*\* | 1.006 | 1.006 | 1.016\*\* |
|  |  |  | [1.001,1.030] | [1.001,1.031] | [0.991,1.022] | [0.990,1.022] | [1.001,1.031] |
| **OBGYN Density** |  |  |  | 0.606 | 0.555 | 0.534 | 0.692 |
|  |  |  |  | [0.245,1.494] | [0.210,1.465] | [0.201,1.414] | [0.262,1.826] |
| **Median Distance to Nearest Obstetrics Department** |  |  |  |  | 1.01 | 1.01 | 1.005 |
|  |  |  |  |  | [0.996,1.024] | [0.996,1.024] | [0.992,1.018] |
| **% Households Foreign-Born** |  |  |  |  | 1.014\*\*\* |  |  |
|  |  |  |  |  | [1.005,1.023] |  |  |
| **% Households Limited English-Speaking** |  |  |  |  |  | 1.032\*\*\* |  |
|  |  |  |  |  |  | [1.011,1.054] |  |
| **\_cons** | 26.588\*\*\* | 20.964\*\*\* | 15.268\*\*\* | 14.110\*\*\* | 15.305\*\*\* | 13.655\*\*\* | 13.051\*\*\* |
|  | [21.604,32.721] | [14.550,30.204] | [9.550,24.411] | [8.647,23.024] | [8.916,26.273] | [8.021,23.245] | [7.681,22.174] |
| **N** | 39991 | 39921 | 39921 | 39921 | 39921 | 39921 | 39921 |

\* Bolded values denote statistical significance.

CCI, Charlson Comorbidity Index; MUS, mid-urethral sling; OBGYN, Obstetrics and Gynecology; POP, pelvic organ prolapse.

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