|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   | **Odds Ratio: Biologic Use (95% CI)** | **p-value** | **Odds Ratio: Immunomodulator Use (95% CI)** | **p-value** | **Odds Ratio: 5-ASA Use (95% CI)** | **p-value** | **Odds Ratio: Corticosteroid Use (95% CI)** | **p-value** | **Odds Ratio: Opioid Use (95% CI)**  | **p-value** |
| Gender |   |   |   |   |   |   |   |   |   |   |
| Female (referent) | - | - | - | - | - | - | - | - | - | - |
| Male | 1.22 (1.14-1.30) | <0.001 | 1.08 (1.02-1.14) | 0.006 | 1.18 (1.13-1.23) | <0.001 | 0.93 (0.90-0.98) | 0.002 | 0.85 (0.82-0.89) | <0.001 |
| Age Group |   |   |   |   |   |   |   |   |   |   |
| 12 to 18 | 1.75 (1.56-1.97) | <0.001 | 1.85 (1.66-2.07) | <0.001 | 1.10 (0.98-1.24) | 0.09 | 1.33 (1.20-1.47) | <0.001 | 0.98 (0.89-1.08) | 0.71 |
| 19 to 30 (referent) | - | - | - | - | - | - | - | - | - | - |
| 31 to 45 | 0.60 (0.54-0.65) | <0.001 | 0.65 (0.60-0.71) | <0.001 | 0.79 (0.73-0.85) | <0.001 | 0.85 (0.80-0.91) | <0.001 | 1.09 (1.02-1.17) | 0.009 |
| 45 to 64 | 0.31 (0.28-0.34) | <0.001 | 0.50 (0.46-0.54) | <0.001 | 0.59 (0.55-0.63) | <0.001 | 0.62 (0.58-0.66) | <0.001 | 1.02 (0.96-1.09) | 0.55 |
| Region |   |   |   |   |   |   |   |   |   |   |
| Northeast (Referent) | - | - | - | - | - | - | - | - | - | - |
| North Central | 1.32 (1.19-1.46) | <0.001 | 1.58 (1.45-1.73) | <0.001 | 1.79 (1.68-1.92) | <0.001 | 1.64 (1.54-1.75) | <0.001 | 1.69 (1.59-1.81) | <0.001 |
| South | 1.31(1.19-1.44) | <0.001 | 1.28 (1.18-1.39) | <0.001 | 1.55 (1.46-1.64) | <0.001 | 1.72 (1.62-1.82) | <0.001 | 1.93 (1.82-2.04) | <0.001 |
| West | 1.21 (1.07-1.36) | 0.001 | 1.29 (1.17-1.42) | <0.001 | 1.33 (1.25-1.43) | <0.001 | 1.21 (1.13-1.30) | <0.001 | 1.48 (1.48-1.69) | <0.001 |
| Unknown | 1.28 (1.00-1.63) | 0.048 | 0.85 (0.67-1.08) | 0.18 | 0.74 (0.64-0.86) | <0.001 | 0.80 (0.69-0.93) | 0.005 | 0.91 (0.77-0.89) | 0.22 |
| Insurance Type |   |   |   |   |   |   |   |   |   |   |
| EPO/PPO (referent) | - | - | - | - | - | - | - | - | - | - |
| HMO/Cap POS | 1.01 (0.91-1.11) | 0.91 | 1.15 (1.06-1.25) | 0.001 | 1.58 (1.47-1.70) | <0.001 | 1.28 (1.20-1.36) | <0.001 | 1.39 (1.30-1.48) | <0.001 |
| POS | 1.09 (0.97-1.23) | 0.15 | 1.20 (1.09-1.34) | <0.001 | 1.27 (1.17-1.38) | <0.001 | 1.27 (1.17-1.37) | <0.001 | 1.23 (1.14-1.33) | <0.001 |
| HDHP/CDHP | 1.21 (1.08-1.36) | 0.001 | 0.96 (0.86-1.07) | 0.44 | 1.43 (1.31-1.56) | <0.001 | 1.39 (1.28-1.50) | <0.001 | 1.10 (1.01-1.19) | 0.02 |
| Comp | 0.82 (0.62-1.07) | 0.14 | 1.13 (0.93-1.38) | 0.23 | 1.47 (1.25-1.72) | <0.001 | 1.31 (1.13-1.53) | <0.001 | 1.49 (1.28-1.73) | <0.001 |
| Grouped Charlson Index |   |   |   |   |   |   |   |   |   |   |
| 0 (referent) | - | - | - | - | - | - | - | - | - | - |
| 1 | 1.49 (1.38-1.62) | <0.001 | 1.33 (1.24-1.43) | <0.001 | 0.89 (0.84-0.94) | <0.001 | 1.43 (1.36-1.51) | <0.001 | 1.47 (1.39-1.55) | <0.001 |
| 2+ | 1.88 (1.72-2.06) | <0.001 | 1.65 (1.53-1.78) | <0.001 | 0.81 (0.76-0.85) | <0.001 | 1.46 (1.38-1.55) | <0.001 | 2.19 (2.06-2.32) | <0.001 |