**Table 1: Multivariate Analysis of Factors Associated with Adherence to Cholesterol Medication**

| **Variable** | **Odds Ratio (OR)** | **95% CI Lower** | **95% CI Upper** | **P-Value** |
| --- | --- | --- | --- | --- |
| Intercept | 0.182 | 0.000 | 6.03e+74 | 0.985 |
| Income Cat. Linear | 1.168 | 0.878 | 1.552 | 0.286 |
| Income Cat. Quad. | 0.846 | 0.600 | 1.193 | 0.340 |
| Insurance Class. L | 0.001 | 0.000 | 1.10e+144 | 0.969 |
| Insurance Class. Q | 8.140 | 0.000 | 7.53e+160 | 0.991 |
| Insurance Class. C | 14052.263 | 0.000 | 1.51e+254 | 0.974 |
| Insurance Class. ^4 | 0.001 | 0.000 | 6.31e+152 | 0.971 |
| Insurance Class. ^5 | 0.000 | 0.000 | 1.84e+199 | 0.969 |
| Insurance Class. ^6 | 357.081 | 0.000 | 2.86e+263 | 0.985 |
| Insurance Class. ^7 | 3.371 | 0.000 | Inf | 0.997 |
| Insurance Class. ^8 | 68882.790 | 0.000 | 2.06e+253 | 0.970 |
| Race Cat. Linear | 2.247 | 1.130 | 4.468 | **0.021** |
| Race Cat. Quad. | 1.605 | 0.866 | 2.976 | 0.133 |
| Race Cat. Cubic | 1.378 | 0.809 | 2.347 | 0.239 |
| Race Cat. ^4 | 0.925 | 0.589 | 1.453 | 0.736 |
| Race Cat. ^5 | 0.857 | 0.624 | 1.177 | 0.339 |
| Sex | 1.051 | 0.844 | 1.309 | 0.656 |
| Age | 1.034 | 1.018 | 1.049 | **<0.001** |
| Education Level L | 0.929 | 0.551 | 1.566 | 0.781 |
| Education Level Q | 0.988 | 0.624 | 1.563 | 0.957 |
| Education Level C | 1.082 | 0.726 | 1.612 | 0.699 |
| Education Level ^4 | 1.066 | 0.761 | 1.493 | 0.709 |
| Marital Status L | 0.909 | 0.630 | 1.310 | 0.607 |
| Marital Status Q | 1.087 | 0.796 | 1.483 | 0.600 |
| Alcohol Heavy Use | 1.154 | 0.691 | 1.925 | 0.584 |
| Smoking History L | 0.699 | 0.517 | 0.945 | **0.020** |
| Smoking History Q | 0.782 | 0.594 | 1.029 | 0.079 |

**Note**: CI = Confidence Interval; L = Linear; Q = Quadratic; C = Cubic; ^4, ^5, ^6, etc. indicate higher-order polynomial terms.