Figure S1. ROC curve for fully adjusted model predicting influenza vaccination from continuous MWI.



Figure S2. ROC curve for fully adjusted model predicting influenza vaccination from MWI category.



Figure S3. ROC curve for fully adjusted model predicting influenza vaccination from ACIP high risk status.



Table S1. Adjusted Model Estimates, All Estimates

|  |  |
| --- | --- |
|  | **Odds Ratio (95% Confidence Interval)** |
| MWI, continuous | MWI, category | ACIP high-risk |
| MWI, continuous | 1.08 (1.06, 1.10) |  |  |
| MWI, category |  |  |  |
|  0.00-0.00 |  | Ref |  |
|  0.01-1.50 |  | 1.17 (0.92, 1.50) |  |
|  1.51-3.00 |  | 1.58 (1.26, 1.99) |  |
|  3.01-6.00 |  | 2.30 (1.78, 2.98) |  |
|  6.01-45.00 |  | 3.14 (2.41, 4.10) |  |
| ACIP high risk |  |  | 1.86 (1.56, 2.21) |
| Age (years) | 1.03 (1.02, 1.03) | 1.02 (1.02, 1.03) | 1.03 (1.02, 1.03) |
| Sex |  |  |  |
|  Female | Ref | Ref | Ref |
|  Male | 0.85 (0.73, 1.01) | 0.84 (0.71, 0.98) | 0.84 (0.72, 0.99) |
| Hispanic |  |  |  |
|  No | Ref | Ref | Ref |
|  Yes | 1.03 (0.70, 1.51) | 1.07 (0.73, 1.57) | 1.08 (0.74, 1.58) |
| Race |  |  |  |
|  White | Ref | Ref | Ref |
|  Black | 0.81 (0.65, 1.01) | 0.78 (0.62, 0.97) | 0.82 (0.66, 1.02) |
|  Asian | 0.91 (0.62, 1.33) | 0.92 (0.63, 1.34) | 0.90 (0.61, 1.31) |
|  Other race | 0.93 (0.67, 1.28) | 0.92 (0.67, 1.28) | 0.92 (0.67, 1.28) |
| Socioeconomic status |  |  |  |
|  Low | Ref | Ref | Ref |
|  High  | 1.08 (0.91, 1.28) | 1.09 (0.93, 1.30) | 1.05 (0.89, 1.24) |
| Smoking status |  |  |  |
|  Nonsmoker | Ref | Ref | Ref |
|  Smoker | 0.83 (0.64, 1.06) | 0.83 (0.64, 1.07) | 0.85 (0.66, 1.09) |
| Health system |  |  |  |
|  Henry Ford | Ref | Ref | Ref |
|  Univ. of Michigan | 2.55 (2.13, 3.06) | 2.60 (2.17, 3.11) | 2.51 (2.10, 3.01) |
| Influenza Season |  |  |  |
|  2011-2012 | Ref | Ref | Ref |
|  2012-2013 | 1.15 (0.89, 1.49) | 1.15 (0.88, 1.49) | 1.18 (0.91, 1.52) |
|  2013-2014 | 1.35 (1.02, 1.78) | 1.33 (1.01, 1.76) | 1.33 (1.01, 1.75) |
|  2014-2015 | 1.38 (1.07, 1.77) | 1.34 (1.04, 1.73) | 1.37 (1.06, 1.76) |
|  2015-2016 | 1.48 (1.12, 1.95) | 1.48 (1.12, 1.95) | 1.50 (1.14, 1.97) |