**Table 3:** Results from binary logistic regression showing the effect of health IT core functions on primary care content of primary care visits for adults with Medicaid or Private Insurance, 2014-2015.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Blood pressure screening** | **Diet/Nutrition counseling** | **Exercise counseling** | **Glucose** | **Lipids/Cholesterol screening** | **Weight reduction counseling** |
| Insurance status |   |   |   |   |   |
| Medicaid | 0.437\*  | 1.113 | 0.662 | 1.878 | 0.882 | 1.157 |
| (0.205, 0.931) | (0.664, 1.865) | (0.379, 1.157) | (0.977, 3.611) | (0.596, 1.305) | (0.684, 1.956) |
| Sex |   |   |   |   |   |
| Female | 1.425 | 1.454\*\* | 1.215 | 1.379 | 1.044 | 1.670\* |
| (0.691, 2.938) | (1.111, 1.903) | (0.889, 1.660) | (0.855, 2.223) | (0.812, 1.342) | (1.041, 2.677) |
| Age group |   |   |   |   |   |
| 18-24 | 0.244\*\* | 1.492 | 1.069 | 0.524 | 0.489 | 3.255\*\* |
| (0.112, 0.531) | (0.668, 3.331) | (0.477, 2.397) | (0.087, 3.177) | (0.222, 1.076) | (1.378, 7.690) |
| 25-44 | 1.479 | 1.809\*\* | 1.849\*\* | 1.481 | 1.043 | 1.790\*\* |
| (0.766, 2.855) | (1.256, 2.605) | (1.230, 2.778) | (0.935, 2.344) | (0.774, 1.404) | (1.185, 2.704) |
| Race |   |   |   |   |   |
| Black | 2.274\* | 1.630\* | 1.493 | 1.521 | 0.994 | 1.034 |
| (1.192, 4.339) | (1.076, 2.469) | (0.946, 2.356) | (0.846, 2.734) | (0.663, 1.490) | (0.637, 1.677) |
| Hispanic | 1.581 | 1.902\*\* | 1.871\*\* | 3.093\*\* | 1.665\* | 0.86 |
| (0.757, 3.304) | (1.271, 2.847) | (1.198, 2.923) | (1.539, 6.217) | (1.031, 2.689) | (0.369, 2.005) |
| Othera | 2.045 | 0.439 | 0.625 | 2.421\* | 1.173 | 0.185\* |
| (0.760, 5.505) | (0.189, 1.022) | (0.207, 1.885) | (1.082, 5.418) | (0.704, 1.954) | (0.037, 0.916) |
| Major reason for visit |   |   |   |   |   |
| Preventive care | 0.856 | 1.794\* | 1.733 | 2.822\*\* | 5.547\*\*\* | 2.920\*\*\* |
| (0.336, 2.181) | (1.056, 3.047) | (0.974, 3.085) | (1.517, 5.249) | (3.523, 8.733) | (1.552, 5.496) |
| Chronic problem | 1.313 | 1.891\*\* | 1.366 | 1.927\* | 3.467\*\*\* | 2.175\* |
| (0.362, 4.764) | (1.199, 2.982) | (0.803, 2.324) | (1.085, 3.421) | (2.153, 5.583) | (1.150, 4.113) |
| Physician specialty |   |   |   |   |   |
| General/family practice | 1.622 | 0.364\* | 0.375\* | 0.017\*\*\* | 0.384 | 0.439 |
| (0.279, 9.416) | (0.166, 0.795) | (0.178, 0.791) | (0.003, 0.097) | (0.093, 1.595) | (0.156, 1.238) |
| Internal medicine | 1.401 | 0.496 | 0.471 | 0.070\*\* | 0.517 | 0.501 |
| (0.228, 8.605) | (0.234, 1.055) | (0.216, 1.026) | (0.013, 0.380) | (0.123, 2.185) | (0.192, 1.304) |
| Obstetrics and gynecology | 1.314 | 0.109\*\*\* | 0.197\*\*\* | 0.009\*\*\* | 0.014\*\*\* | 0.199\*\* |
| (0.168, 10.303) | (0.040, 0.298) | (0.079, 0.497) | (0.001, 0.110) | (0.002, 0.101) | (0.064, 0.619) |
| Type of office setting |   |   |   |   |   |
| Private solo or group practice | 0.389 | 1.922 | 2.034 | 0.756 | 1.6 | 1.482 |
| (0.132, 1.142) | (0.982, 3.764) | (0.903, 4.581) | (0.217, 2.631) | (0.407, 1.036) | (0.701, 3.133) |
| Type of medical practice |   |   |   |   |   |
| Solo | 0.249\*\*\* | 1.003 | 1.535 | 0.404\* | 0.65 | 1.285 |
| (0.147, 0.423) | (0.644, 1.564) | (0.917, 1.470) | (0.176, 0.925) | (0.407, 1.036) | (0.743, 2.224) |
| Practice ownership |   |   |   |   |   |
| Hospital/academic medical center | 0.47 | 0.657 | 0.779 | 0.908 | 0.878 | 0.452\* |
| (0.157, 1.408) | (0.357, 1.206) | (0.398, 1.527) | (0.282, 2.931) | (0.482, 1.599) | (0.231, 0.883) |
| Insurance company/HMO/corporation | 2.036 | 0.753 | 0.82 | 1.459 | 0.884 | 0.919 |
| (0.620, 6.686) | (0.404, 1.403) | (0.457, 1.470) | (0.444, 4.793) | (0.424, 1.845) | (0.451, 1.872) |
| Metropolitan status |   |   |   |   |   |
| MSA | 0.655 | 1.123 | 1.247 | 0.935 | 1 | 1.039 |
| (0.265, 1.621) | (0.658, 1.917) | (0.730, 2.128) | (0.260, 3.362) | (0.571, 1.751) | (0.568, 1.900) |
| Year |   |   |   |   |   |
| 2014 | 1.274 | 0.761 | 0.603\* | 0.502 | 0.711 | 0.646 |
| (0.695, 2.334) | (0.512, 1.132) | (0.389, 0.935) | (0.232, 1.089) | (0.473, 1.066) | (0.386, 1.082) |
| EHR functionality |   |   |   |   |   |
| Fully electronic | 6.977\*\*\* | 0.145\*\*\* | 0.307\* | 0.097\*\* | 1.09 | 0.644 |
| (2.732, 17.817) | (0.052, 0.406) | (0.113, 0.831) | (0.019, 0.489) | (0.384, 3.094) | (0.151, 2.748) |
| Part paper and part electronic | 8.400\*\* | 0.382 | 0.168\* | 1.237 | 4.180\*\* | 0.177\* |
| (2.428, 29.062) | (0.136, 1.069) | (0.042, 0.674) | (0.262, 5.837) | (1.427, 12.246) | (0.032, 0.981) |
| Generate patient list |   |   |   |   |   |
| Yes | 0.282\* | 0.555 | 1.257 | 0.463 | 0.829 | 1.614 |
| (0.094, 0.841) | (0.277, 1.113) | (0.455, 3.471) | (0.139, 1.547) | (0.403, 1.704) | (0.722, 3.609) |
| List of patients due for tests or preventive care |   |   |   |   |   |
| Yes | 1.648 | 1.912 | 1.303 | 1.617 | 1.744 | 0.727 |
| (0.714, 3.804) | (0.944, 3.869) | (0.660, 2.573) | (0.453, 5.767) | (0.818, 3.718) | (0.381, 1.385) |
| Reminders for interventions/tests |   |   |   |   |   |
| Yes | 1.511 | 1.972 | 0.723 | 13.682\*\* | 1.79 | 2.037 |
| (0.652, 3.503) | (0.835, 4.655) | (0.321, 1.626) | (2.850, 65.671) | (0.676, 4.737) | (0.598, 6.946) |
| Providing clinical summaries |   |   |   |   |   |
| Yes | 0.278\*\* | 0.995 | 1.006 | 0.305\* | 0.51 | 1.15 |
| (0.106, 0.728) | (0.486, 2.035) | (0.424, 2.389) | (0.120, 0.780) | (0.256, 1.013) | (0.448, 2.956) |
| Electronic copy of health information |   |   |   |   |   |
| Yes | 1.218 | 0.925 | 0.939 | 0.517 | 1.224 | 0.654 |
| (0.591, 2.512) | (0.560, 1.529) | (0.546, 1.616) | (0.203, 1.319) | (0.731, 2.051) | (0.257, 1.668) |
| Exchange secure messages with patients |   |   |   |   |   |
| Yes | 0.966 | 0.939 | 1.376 | 1.189 | 0.859 | 1.75 |
| (0.445, 2.094) | (0.558, 1.581) | (0.799, 2.370) | (0.444, 3.184) | (0.502, 1.472) | (0.699, 4.381) |
| Send health information to other providers |   |   |   |   |   |
| Yes | 0.606 | 1.125 | 1.459 | 0.813 | 1.065 | 0.998 |
| (0.290, 1.264) | (0.637, 1.988) | (0.804, 2.646) | (0.294, 2.247) | (0.656, 1.728) | (0.529, 1.883) |
| Receive health information from other providers |   |   |   |   |   |
| Yes | 0.528 | 1.227 | 1.384 | 1.5 | 1.02 | 1.863\* |
| (0.272, 1.023) | (0.724, 2.080) | (0.785, 2.441) | (0.619, 3.639) | (0.649, 1.605) | (1.046, 3.321) |
| Report quality data |   |   |   |   |   |
| Yes | 0.632 | 3.266\*\*\* | 2.325\* | 5.106\*\*\* | 0.91 | 1.925 |
| (0.316, 1.265) | (1.668, 6.395) | (1.140, 4.744) | (2.065, 12.626) | (0.560, 1.479) | (0.928, 3.997) |

**Source:** Data are from the National Ambulatory Medical Care Survey, 2014-2015.

aNot of Hispanic origin; includes Asian, American Indian, Alaskan Native, Native Hawaiian, or Other Pacific; \*p < 0.05; \*\*p < 0.01; \*\*\*p < 0.001.