**APPENDIX**

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| **Appendix Table 1.** Baseline characteristics of N=9,808 study patients with diabetes who had LDL measurements by insurance status, stratified by race/ethnicity. *Column percentages are reported unless otherwise noted.* | | | | | |
|  | **OVERALL** | **INSURANCE STATUS** | | | |
| Characteristic |  | **Continuously uninsured** | **Discontinuously insured** | **Newly insured** | **Continuously insured** |
| **Hispanic,**  **N (row %)** | 4,936  (100%) | 1,509 (30.6%) | 1,672  (33.9%) | 564 (11.4%) | 1,191  (24.1%) |
| Male (%) | 40.2 | 42.0 | 38.2 | 43.8 | 39.1 |
| Age in years (mean)a | 46.8 | 44.3 | 47.5 | 48.3 | 48.1 |
| No. of comorbiditiesb (%) |  |  |  |  |  |
| *1* | 9.7 | 10.2 | 9.0 | 12.1 | 9.1 |
| *2-4* | 55.4 | 63.0 | 53.0 | 55.7 | 49.0 |
| *5-6* | 18.6 | 16.0 | 20.5 | 16.7 | 20.0 |
| *7 or more* | 10.5 | 6.1 | 10.8 | 7.6 | 17.0 |
| *Unknown* | 5.8 | 4.7 | 6.7 | 8.0 | 4.9 |
| No. of visitsc (mean) | 8.9 | 7.9 | 9.8 | 6.4 | 10.1 |
| Current smokerd (%) | 8.5 | 5.8 | 9.2 | 7.3 | 11.7 |
| Urbane (%) | 95.5 | 94.6 | 96.6 | 97.1 | 94.6 |
| **Non-Hispanic black,**  **N (row %)** | 1,516  (100%) | 90  (5.9%) | 787  (51.9%) | 130 (8.6%) | 509  (33.6%) |
| Male (%) | 48.6 | 58.9 | 50.1 | 53.1 | 43.4 |
| Age in years (mean)a | 47.9 | 46.9 | 48.1 | 47.7 | 47.9 |
| No. of comorbiditiesb (%) |  |  |  |  |  |
| *1* | 6.9 | 12.2 | 6.6 | 5.4 | 6.9 |
| *2-4* | 40.0 | 54.4 | 43.1 | 46.2 | 31.0 |
| *5-6* | 21.3 | 16.7 | 21.5 | 23.8 | 21.2 |
| *7 or more* | 27.6 | 13.3 | 24.3 | 20.0 | 37.1 |
| *Unknown* | 4.2 | 3.3 | 4.6 | 4.6 | 3.7 |
| No. of visitsc (mean) | 10.3 | 7.2 | 11.1 | 7.6 | 10.3 |
| Current smokerd (%) | 34.7 | 24.4 | 34.8 | 40.0 | 35.0 |
| Urbane (%) | 99.1 | 100.0 | 99.0 | 100.0 | 99.0 |
| **Non-Hispanic white,**  **N (row %)** | 3,356  (100%) | 118  (3.5%) | 1,146  (34.1%) | 546 (16.3%) | 1,546  (46.1%) |
| Male (%) | 49.2 | 43.5 | 46.7 | 44.9 | 49.2 |
| Age in years (mean)a | 48.9 | 48.2 | 48.5 | 47.7 | 48.9 |
| No. of comorbiditiesb (%) |  |  |  |  |  |
| *1* | 3.9 | 4.2 | 4.0 | 4.0 | 3.8 |
| *2-4* | 32.0 | 50.8 | 31.2 | 41.6 | 27.7 |
| *5-6* | 24.8 | 22.9 | 25.1 | 28.2 | 23.5 |
| *7 or more* | 37.3 | 16.9 | 36.7 | 24.7 | 43.7 |
| *Unknown* | 2.0 | 5.1 | 2.9 | 1.5 | 1.3 |
| No. of visitsc (mean) | 11.4 | 6.8 | 13.3 | 8.6 | 11.3 |
| Current smokerd (%) | 33.1 | 24.6 | 31.9 | 30.6 | 35.6 |
| Urbane (%) | 92.5 | 89.8 | 92.6 | 90.7 | 93.3 |
| **Note:** ACA, Affordable Care Act. **The initial study sample included N=30,647 patients from expansion states who had diabetes before Medicaid expansion and who had at least one HbA1c biomarker measurement during the study period. Inclusion criteria required at least one valid HbA1c measurement and visit pre- and post-ACA, restricting the sample to N=10,574. Finally, after excluding patients who were not Non-Hispanic white, Non-Hispanic Black or Hispanic, our final study sample for HbA1c analyses was N=9,808.**  a Baseline patient age at the start of the study (1/1/2012). Patients must have been between the ages of 19 and 64 during the entire study period to be included in the sample.  b There were 54 chronic disease and comorbidities (including diabetes), prior to the study period and to the end of the pre-period. The total number of comorbidities per patient ranged from 0 to 22.  c Total number of visits per patient in the pre-period  d Binary category creation of Current Smoker vs Former/Never/Missing smoker status prior to the ACA.  e Urban setting was created by collapsing Rural Urban Commuting Area (RUCA) codes “Urban Area” and “Urban Cluster”. Rural consists of “Rural” and “Small Town”. Missing RUCA code was indicated as “Unknown” | | | | | |

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| **Appendix Table 2.** Baseline characteristics of a subset of patients with uncontrolled HbA1c (≥ 9%) within three months prior to the ACA Medicaid expansion (N=1,790), stratified by race/ethnicity. *Column percentages are reported unless otherwise noted.* | | | | | |
|  | **OVERALL** | **INSURANCE STATUS** | | | |
| Characteristic |  | **Continuously uninsured** | **Discontinuously insured** | **Newly insured** | **Continuously insured** |
| **Hispanic,**  **N (row %)** | 970  (100%) | 327  (33.7%) | 303  (31.2%) | 117 (12.1%) | 223  (23.0%) |
| Male (%) | 45.4 | 47.7 | 46.5 | 42.7 | 41.7 |
| Age in years (mean)a | 45.4 | 43.3 | 46.7 | 46.2 | 46.5 |
| No. of comorbiditiesb (%) |  |  |  |  |  |
| *1* | 9.8 | 11.9 | 10.2 | 12.0 | 4.9 |
| *2-4* | 52.8 | 59.9 | 52.1 | 49.6 | 44.8 |
| *5-6* | 18.9 | 17.1 | 17.2 | 19.7 | 23.3 |
| *7 or more* | 13.4 | 7.6 | 14.2 | 10.3 | 22.4 |
| *Unknown* | 5.2 | 3.4 | 6.3 | 8.5 | 4.5 |
| No. of visitsc (mean) | 9.1 | 8.2 | 9.7 | 7.4 | 10.4 |
| Current smokerd (%) | 8.2 | 5.2 | 9.9 | 6.8 | 11.2 |
| Urbane (%) | 94.8 | 95.4 | 93.7 | 93.2 | 96.4 |
| **Non-Hispanic black,**  **N (row %)** | 303  (100%) | 28  (9.2%) | 159  (52.5%) | 27  (8.9%) | 89  (29.4%) |
| Male (%) | 54.1 | 60.7 | 56.6 | 63.0 | 44.9 |
| Age in years (mean)a | 45.5 | 38.4 | 46.7 | 44.0 | 46.2 |
| No. of comorbiditiesb (%) |  |  |  |  |  |
| *1* | 10.2 | 21.4 | 9.4 | 11.1 | 7.9 |
| *2-4* | 45.5 | 60.7 | 46.5 | 51.9 | 37.1 |
| *5-6* | 20.1 | 14.3 | 18.9 | 18.5 | 24.7 |
| *7 or more* | 21.8 | 3.6 | 21.4 | 14.8 | 30.3 |
| *Unknown* | 2.3 | 0.0 | 3.8 | 3.7 | 0.0 |
| No. of visitsc (mean) | 10.0 | 6.9 | 10.3 | 9.1 | 10.6 |
| Current smokerd (%) | 33.3 | 32.1 | 31.4 | 25.9 | 39.3 |
| Urbane (%) | 99.0 | 100.0 | 99.4 | 100.0 | 97.8 |
| **Non-Hispanic white,**  **N (row %)** | 517  (100%) | 27  (5.2%) | 196  (37.9%) | 109 (21.1%) | 185  (35.8%) |
| Male (%) | 52.0 | 63.0 | 50.5 | 61.5 | 46.5 |
| Age in years (mean)a | 44.3 | 45.9 | 45.1 | 43.4 | 43.7 |
| No. of comorbiditiesb (%) |  |  |  |  |  |
| *1* | 6.2 | 11.1 | 6.6 | 6.4 | 4.9 |
| *2-4* | 34.0 | 40.7 | 35.7 | 33.0 | 31.9 |
| *5-6* | 24.6 | 11.1 | 24.5 | 33.9 | 21.1 |
| *7 or more* | 32.7 | 29.6 | 28.6 | 26.6 | 41.1 |
| *Unknown* | 2.5 | 7.4 | 4.6 | 0.0 | 1.1 |
| No. of visitsc (mean) | 11.1 | 5.7 | 11.7 | 9.3 | 12.4 |
| Current smokerd (%) | 34.8 | 40.7 | 31.6 | 40.4 | 34.1 |
| Urbane (%) | 95.7 | 92.6 | 95.9 | 91.7 | 98.4 |
| **Note:** ACA, Affordable Care Act.  a Baseline patient age at the start of the study (1/1/2012). Patients must have been between the ages of 19 and 64 during the entire study period to be included in the sample.  b There were 54 chronic disease and comorbidities (including diabetes), prior to the study period and to the end of the pre-period. The total number of comorbidities per patient ranged from 0 to 22.  c Total number of visits per patient in the pre-period  d Binary category creation of Current Smoker vs Former/Never/Missing smoker status prior to the ACA.  e Urban setting was created by collapsing Rural Urban Commuting Area (RUCA) codes “Urban Area” and “Urban Cluster”. Rural consists of “Rural” and “Small Town”. Missing RUCA code was indicated as “Unknown” | | | | | |