

Supplemental Table 1: Characteristics of Fox Insight participants who were not represented within the virtual census (n=1500)

| | | |
|-----------------------|-------------------------------------|--------------|
| Age | | |
| | <65 | 1015 (67.7%) |
| | 65-74 | 441 (29.4%) |
| | >=75 | 44 (2.9%) |
| Gender | | |
| | Male | 542 (36.1%) |
| | Female | 958 (63.9%) |
| Race/ethnicity | | |
| | White | 1032 (68.8%) |
| | Black | 39 (2.6%) |
| | Other | 429 (28.6%) |
| Census division | | |
| | Northeast | 7 (0.5%) |
| | Mid-Atlantic | 219 (14.6%) |
| | East North Central | 197 (13.1%) |
| | West North Central | 28 (1.9%) |
| | South Atlantic | 157 (10.5%) |
| | East South Central | 22 (1.5%) |
| | West South Central | 66 (4.4%) |
| | Mountain | 77 (5.1%) |
| | Pacific | 727 (48.5%) |
| Rural/urban residence | | |
| | Non-metropolitan | 54 (3.6%) |
| | Metropolitan | 1446 (96.4%) |
| Education | | |
| | Less than high school | 0 (0.0%) |
| | High school/some college | 38 (2.5%) |
| | Bachelor/associate degree | 868 (57.9%) |
| | Master/professional/doctoral degree | 594 (39.6%) |
| PD severity | | |
| | Mild | 1303 (86.9%) |
| | Moderate | 170 (11.3%) |
| | Severe | 27 (1.8%) |

Supplemental Table 2: Standardized differences between the inverse probability weighted Fox Insight cohort and virtual PD census

| | Virtual census (not in FI) (n=827023) | Before inverse probability of participation weighting | | After inverse probability of participation weighting | |
|-----------------------|--|---|-------------------------|--|-------------------------|
| | | Fox Insight (n=22465) | Standardized difference | Fox Insight (n=22243) | Standardized difference |
| Age | | | 0.94 | | 0.17 |
| <65 | 110201 (13.3%) | 8479 (37.7%) | | 4119 (18.5%) | |
| 65-74 | 228286 (27.6%) | 9735 (43.3%) | | 5988 (26.9%) | |
| >=75 | 488536 (59.1%) | 4251 (18.9%) | | 12136 (54.6%) | |
| Gender | | | -0.02 | | -0.17 |
| Male | 458772 (55.5%) | 12720 (56.6%) | | 14232 (64.0%) | |
| Female | 368251 (44.5%) | 9745 (43.4%) | | 8011 (36.0%) | |
| Race/ethnicity | | | 0.31 | | 0.21 |
| White | 716049 (86.6%) | 21303 (94.8%) | | 20560 (92.4%) | |
| Black | 45755 (5.5%) | 148 (0.7%) | | 437 (2.0%) | |
| Other | 65219 (7.9%) | 1014 (4.5%) | | 1246 (5.6%) | |
| Census division | | | 0.60 | | 0.21 |
| Northeast | 138650 (16.8%) | 1518 (6.8%) | | 2445 (11.0%) | |
| Mid-Atlantic | 75119 (9.1%) | 2943 (13.1%) | | 2108 (9.5%) | |
| East North Central | 83355 (10.1%) | 3154 (14.0%) | | 2539 (11.4%) | |
| West North Central | 73906 (8.9%) | 1432 (6.4%) | | 1856 (8.3%) | |
| South Atlantic | 194679 (23.5%) | 4722 (21.0%) | | 25569 (25.0%) | |
| East South Central | 45264 (5.5%) | 993 (4.4%) | | 1468 (6.6%) | |
| West South Central | 112723 (13.6%) | 1993 (8.9%) | | 3284 (14.8%) | |
| Mountain | 64794 (7.8%) | 2183 (9.7%) | | 1700 (7.6%) | |
| Pacific | 38533 (4.7%) | 3527 (15.7%) | | 1274 (5.7%) | |
| Rural/urban residence | | | 0.19 | | -0.12 |
| Non-metropolitan | 158056 (19.1%) | 2750 (12.2%) | | 5380 (24.2%) | |
| Metropolitan | 668968 | 19715 | | 16863 | |

| | | | | | |
|-------------------------------------|-------------------|------------------|------|------------------|------|
| | (80.9%) | (87.8%) | | (75.8%) | |
| Education | | | 1.04 | | 0.60 |
| Less than high school | 200563 (24.3%) | 155 (0.7%) | | 898 (4.0%) | |
| High school/some college | 392611 (47.5%) | 6496 (28.9%) | | 13516 (60.8%) | |
| Bachelor/associate degree | 126114 (15.3%) | 8153 (36.3%) | | 3997 (18.0%) | |
| Master/professional/doctoral degree | 107735 (13.0%) | 7661 (34.1%) | | 3832 (17.2%) | |
| PD severity | | | 0.75 | | 0.18 |
| Mild | 219671 (26.6%) | 11607 (51.7%) | | 4909 (22.1%) | |
| Moderate | 346307 (41.9%) | 9521 (42.4%) | | 11260 (50.6%) | |
| Severe | 261045 (31.6%) | 1337 (6.0%) | | 6074 (27.3%) | |