| **Characteristic** | **Overall**, N = 166,455*1* | **exposed**, N = 20,162*1* | **historical**, N = 11,171*1* | **unexposed**, N = 135,122*1* |
| --- | --- | --- | --- | --- |
| female | 102,195 (61%) | 12,550 (62%) | 6,838 (61%) | 82,807 (61%) |
| age | 52.5 (19.0) | 49.7 (18.5) | 49.7 (18.7) | 53.1 (19.0) |
| nhwhite | 86,317 (51.9%) | 9,293 (46.1%) | 5,682 (50.9%) | 71,342 (52.8%) |
| nhblack | 35,987 (21.6%) | 5,204 (25.8%) | 2,609 (23.4%) | 28,174 (20.9%) |
| hispanic | 34,695 (20.8%) | 4,560 (22.6%) | 2,271 (20.3%) | 27,864 (20.6%) |
| nhother | 9,429 (5.7%) | 1,096 (5.4%) | 609 (5.4%) | 7,725 (5.7%) |
| smoking | 79,442 (48%) | 9,168 (45%) | 5,825 (52%) | 64,450 (48%) |
| site |  |  |  |  |
| Source1 | 61,746 (43%) | 7,511 (38%) | 4,224 (38%) | 50,011 (45%) |
| Source2 | 30,647 (22%) | 3,295 (17%) | 2,444 (22%) | 24,908 (22%) |
| Source3 | 17,101 (12%) | 2,489 (13%) | 1,230 (11%) | 13,382 (12%) |
| Source4 | 12,990 (9.1%) | 2,814 (14%) | 1,394 (12%) | 8,781 (7.9%) |
| Source5 | 7,099 (5.0%) | 1,263 (6.4%) | 1,167 (10%) | 4,669 (4.2%) |
| Source6 | 648 (0.5%) | 107 (0.5%) | 70 (0.6%) | 470 (0.4%) |
| Source7 | 11,772 (8.3%) | 2,203 (11%) | 640 (5.7%) | 8,928 (8.0%) |
| Missing | 24,452 | 479 | 0 | 23,973 |
| payer\_type\_primary |  |  |  |  |
| Bluecross | 18,134 (13%) | 2,470 (13%) | 1,615 (14%) | 14,049 (13%) |
| Government | 3,700 (2.6%) | 604 (3.1%) | 220 (2.0%) | 2,877 (2.6%) |
| Medicaid | 11,681 (8.2%) | 1,510 (7.7%) | 923 (8.3%) | 9,248 (8.3%) |
| Medicare | 25,651 (18%) | 2,856 (15%) | 2,246 (20%) | 20,549 (18%) |
| No Information | 34,871 (25%) | 3,914 (20%) | 1,502 (13%) | 29,456 (27%) |
| No Insurance | 2,657 (1.9%) | 283 (1.4%) | 545 (4.9%) | 1,830 (1.6%) |
| Private or Other | 45,309 (32%) | 8,048 (41%) | 4,120 (37%) | 33,141 (30%) |
| Missing | 24,452 | 479 | 0 | 23,973 |
| payer\_type\_secondary |  |  |  |  |
| Bluecross | 2,123 (1.5%) | 195 (1.0%) | 176 (1.6%) | 1,752 (1.6%) |
| Government | 1,474 (1.0%) | 145 (0.7%) | 122 (1.1%) | 1,206 (1.1%) |
| Medicaid | 6,263 (4.4%) | 946 (4.8%) | 369 (3.3%) | 4,948 (4.5%) |
| Medicare | 1,196 (0.8%) | 197 (1.0%) | 94 (0.8%) | 905 (0.8%) |
| No Information | 105,186 (74%) | 14,389 (73%) | 8,557 (77%) | 82,241 (74%) |
| No Insurance | 7,473 (5.3%) | 863 (4.4%) | 1,130 (10%) | 5,479 (4.9%) |
| Private or Other | 18,288 (13%) | 2,948 (15%) | 723 (6.5%) | 14,618 (13%) |
| Missing | 24,452 | 479 | 0 | 23,973 |
| hospitalization | 48,163 (29%) | 5,865 (29%) | 1,364 (12%) | 40,934 (30%) |
| p\_hyperglycemia | 2,176 (3.1%) | 245 (3.2%) | 0 (0%) | 1,931 (3.2%) |
| Missing | 95,996 | 12,596 | 7,336 | 76,065 |
| bmi | 29.5 (7.4) | 30.4 (7.7) | 29.2 (7.3) | 29.3 (7.4) |
| HT | 66.2 (4.1) | 66.3 (4.1) | 66.2 (4.0) | 66.2 (4.1) |
| Missing | 1,079 | 183 | 28 | 869 |
| SYSTOLIC | 125.8 (18.7) | 125.4 (18.0) | 126.0 (18.3) | 125.9 (18.9) |
| Missing | 21,395 | 3,298 | 990 | 17,107 |
| DIASTOLIC | 73.3 (12.5) | 74.2 (12.2) | 74.1 (12.1) | 73.2 (12.5) |
| Missing | 16,375 | 2,509 | 990 | 12,876 |
| obesity | 6,261 (3.8%) | 879 (4.4%) | 422 (3.8%) | 4,960 (3.7%) |
| cardiovascular | 7,885 (4.7%) | 912 (4.5%) | 587 (5.3%) | 6,386 (4.7%) |
| cerebrovascular | 324 (0.2%) | 41 (0.2%) | 33 (0.3%) | 251 (0.2%) |
| hypertension | 14,648 (8.8%) | 1,727 (8.6%) | 1,187 (11%) | 11,734 (8.7%) |
| pulmonary | 4,807 (2.9%) | 601 (3.0%) | 292 (2.6%) | 3,913 (2.9%) |
| hyperlipidemia | 11,368 (6.8%) | 1,458 (7.2%) | 892 (8.0%) | 9,019 (6.7%) |
| antidepressants | 21,510 (13%) | 2,654 (13%) | 1,362 (12%) | 17,493 (13%) |
| antipsychotics | 7,529 (4.5%) | 971 (4.8%) | 448 (4.0%) | 6,111 (4.5%) |
| antihypertensives | 46,888 (28%) | 5,716 (28%) | 2,737 (24%) | 38,435 (28%) |
| statins | 21,927 (13%) | 2,596 (13%) | 1,171 (10%) | 18,160 (13%) |
| immunosuppresants | 15,039 (9.0%) | 2,058 (10%) | 816 (7.3%) | 12,166 (9.0%) |
| hba1c | 6.2 (1.6) | 6.3 (1.7) | 6.2 (1.6) | 6.2 (1.6) |
| Missing | 131,758 | 15,134 | 9,535 | 107,090 |
| glucose | 112.9 (45.8) | 113.5 (47.3) | 111.2 (44.5) | 112.9 (45.7) |
| Missing | 65,368 | 6,843 | 5,487 | 53,038 |
| alt |  |  |  |  |
| Median (IQR) | 17.0 (12.0, 26.0) | 17.0 (12.0, 26.0) | 17.0 (12.0, 26.0) | 17.0 (12.0, 26.0) |
| Range | 2.0, 5,751.0 | 2.0, 1,813.0 | 2.0, 1,693.0 | 2.0, 5,751.0 |
| Missing | 79,554 | 8,394 | 6,525 | 64,634 |
| ast |  |  |  |  |
| Median (IQR) | 20.0 (16.0, 26.0) | 19.0 (16.0, 26.0) | 20.0 (16.0, 26.0) | 20.0 (16.0, 26.0) |
| Range | 3.0, 6,769.0 | 3.0, 2,252.0 | 5.0, 1,820.0 | 3.0, 6,769.0 |
| Missing | 78,568 | 8,232 | 6,412 | 63,924 |
| serum\_creatinine |  |  |  |  |
| Median (IQR) | 0.9 (0.7, 1.1) | 0.8 (0.7, 1.0) | 0.8 (0.7, 1.0) | 0.9 (0.7, 1.1) |
| Range | 0.1, 31.3 | 0.1, 29.5 | 0.1, 23.6 | 0.1, 31.3 |
| Missing | 66,546 | 6,929 | 5,598 | 54,018 |
| hdl | 50.9 (16.8) | 50.5 (15.8) | 51.5 (19.2) | 51.0 (16.8) |
| Missing | 125,624 | 14,292 | 8,932 | 102,400 |
| ldl | 83.2 (50.0) | 82.9 (52.6) | 94.0 (43.1) | 82.6 (49.9) |
| Missing | 124,108 | 13,974 | 8,863 | 101,270 |
| IP |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) |
| Range | 0.0, 188.0 | 0.0, 125.0 | 0.0, 24.0 | 0.0, 188.0 |
| OA |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 4.0) | 0.0 (0.0, 3.0) | 0.0 (0.0, 2.0) | 0.0 (0.0, 4.0) |
| Range | 0.0, 320.0 | 0.0, 320.0 | 0.0, 286.0 | 0.0, 303.0 |
| OT |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 5.0) | 1.0 (0.0, 5.0) | 0.0 (0.0, 2.0) | 1.0 (0.0, 5.0) |
| Range | 0.0, 497.0 | 0.0, 497.0 | 0.0, 141.0 | 0.0, 454.0 |
| AV |  |  |  |  |
| Median (IQR) | 4.0 (1.0, 11.0) | 3.0 (1.0, 10.0) | 5.0 (1.0, 13.0) | 4.0 (1.0, 12.0) |
| Range | 0.0, 973.0 | 0.0, 973.0 | 0.0, 709.0 | 0.0, 819.0 |
| NI |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) |
| Range | 0.0, 135.0 | 0.0, 43.0 | 0.0, 77.0 | 0.0, 135.0 |
| TH |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 1.0) | 0.0 (0.0, 1.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 1.0) |
| Range | 0.0, 90.0 | 0.0, 73.0 | 0.0, 40.0 | 0.0, 90.0 |
| ED |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 1.0) | 0.0 (0.0, 1.0) | 0.0 (0.0, 1.0) | 0.0 (0.0, 1.0) |
| Range | 0.0, 167.0 | 0.0, 123.0 | 0.0, 92.0 | 0.0, 167.0 |
| OS |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) |
| Range | 0.0, 42.0 | 0.0, 22.0 | 0.0, 23.0 | 0.0, 42.0 |
| EI |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) |
| Range | 0.0, 28.0 | 0.0, 25.0 | 0.0, 18.0 | 0.0, 28.0 |
| UN |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) |
| Range | 0.0, 178.0 | 0.0, 61.0 | 0.0, 17.0 | 0.0, 178.0 |
| IS |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) |
| Range | 0.0, 16.0 | 0.0, 3.0 | 0.0, 4.0 | 0.0, 16.0 |
| IC |  |  |  |  |
| Median (IQR) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) |
| Range | 0.0, 4.0 | 0.0, 4.0 | 0.0, 2.0 | 0.0, 2.0 |
| bmi\_category |  |  |  |  |
| Normal | 45,056 (27%) | 4,747 (24%) | 3,210 (29%) | 37,099 (27%) |
| Obese | 67,107 (40%) | 9,222 (46%) | 4,313 (39%) | 53,573 (40%) |
| Overweight | 50,052 (30%) | 5,789 (29%) | 3,389 (30%) | 40,875 (30%) |
| Underweight | 4,239 (2.5%) | 403 (2.0%) | 260 (2.3%) | 3,576 (2.6%) |
| landmark\_cpit2dm |  |  |  |  |
| New onset in Landmark | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| No onset in Landmark | 166,455 (100%) | 20,162 (100%) | 11,171 (100%) | 135,122 (100%) |
| lookback\_cpit2dm |  |  |  |  |
| Unverified New onset in Lookback | 7,179 (4.3%) | 1,081 (5.4%) | 433 (3.9%) | 5,665 (4.2%) |
| Unverified No onset in Lookback | 159,276 (96%) | 19,081 (95%) | 10,738 (96%) | 129,457 (96%) |
| *1*n (%); Mean (SD) | | | | |