| **Characteristic** | **N** | **Overall**, N = 247,546*1* | **CPIT2DM Available**, N = 218,848*1* | **CPIT2DM Unavailable**, N = 28,698*1* |
| --- | --- | --- | --- | --- |
| COHORT | 247,546 |  |  |  |
| exposed |  | 43,906 (18%) | 38,673 (18%) | 5,233 (18%) |
| historical |  | 40,957 (17%) | 37,297 (17%) | 3,660 (13%) |
| unexposed |  | 162,683 (66%) | 142,878 (65%) | 19,805 (69%) |
| female | 247,546 | 154,086 (62%) | 136,119 (62%) | 17,967 (63%) |
| age | 247,546 | 51.8 (18.9) | 52.1 (18.8) | 49.9 (19.5) |
| nhwhite | 247,546 | 127,686 (51.6%) | 111,970 (51.2%) | 15,716 (54.8%) |
| nhblack | 247,546 | 52,918 (21.4%) | 47,205 (21.6%) | 5,713 (19.9%) |
| hispanic | 247,546 | 52,946 (21.4%) | 47,686 (21.8%) | 5,260 (18.3%) |
| nhother | 247,546 | 13,945 (5.6%) | 11,946 (5.5%) | 1,999 (7.0%) |
| smoking | 247,546 | 116,243 (47%) | 102,524 (47%) | 13,719 (48%) |
| site | 215,585 |  |  |  |
| Source1 |  | 91,231 (42%) | 80,419 (42%) | 10,812 (45%) |
| Source2 |  | 51,291 (24%) | 48,766 (25%) | 2,525 (10%) |
| Source3 |  | 24,355 (11%) | 19,275 (10%) | 5,080 (21%) |
| Source4 |  | 19,019 (8.8%) | 16,402 (8.6%) | 2,617 (11%) |
| Source5 |  | 12,087 (5.6%) | 11,171 (5.8%) | 916 (3.8%) |
| Source6 |  | 983 (0.5%) | 935 (0.5%) | 48 (0.2%) |
| Source7 |  | 16,619 (7.7%) | 14,421 (7.5%) | 2,198 (9.1%) |
| Missing |  | 31,961 | 27,459 | 4,502 |
| payer\_type\_primary | 215,585 |  |  |  |
| Bluecross |  | 27,962 (13%) | 24,546 (13%) | 3,416 (14%) |
| Government |  | 5,255 (2.4%) | 4,469 (2.3%) | 786 (3.2%) |
| Medicaid |  | 17,930 (8.3%) | 15,781 (8.2%) | 2,149 (8.9%) |
| Medicare |  | 38,064 (18%) | 34,146 (18%) | 3,918 (16%) |
| No Information |  | 51,138 (24%) | 47,129 (25%) | 4,009 (17%) |
| No Insurance |  | 4,168 (1.9%) | 3,609 (1.9%) | 559 (2.3%) |
| Private or Other |  | 71,068 (33%) | 61,709 (32%) | 9,359 (39%) |
| Missing |  | 31,961 | 27,459 | 4,502 |
| payer\_type\_secondary | 215,585 |  |  |  |
| Bluecross |  | 3,075 (1.4%) | 2,731 (1.4%) | 344 (1.4%) |
| Government |  | 2,060 (1.0%) | 1,814 (0.9%) | 246 (1.0%) |
| Medicaid |  | 8,689 (4.0%) | 7,931 (4.1%) | 758 (3.1%) |
| Medicare |  | 1,668 (0.8%) | 1,521 (0.8%) | 147 (0.6%) |
| No Information |  | 163,435 (76%) | 147,194 (77%) | 16,241 (67%) |
| No Insurance |  | 11,223 (5.2%) | 9,383 (4.9%) | 1,840 (7.6%) |
| Private or Other |  | 25,435 (12%) | 20,815 (11%) | 4,620 (19%) |
| Missing |  | 31,961 | 27,459 | 4,502 |
| hospitalization | 247,546 | 64,880 (26%) | 55,720 (25%) | 9,160 (32%) |
| p\_hyperglycemia | 94,478 | 2,808 (3.0%) | 2,207 (2.6%) | 601 (5.3%) |
| Missing |  | 153,068 | 135,521 | 17,547 |
| bmi | 247,546 | 29.4 (7.4) | 29.4 (7.4) | 29.5 (7.3) |
| HT | 246,108 | 66.2 (4.0) | 66.2 (4.0) | 66.2 (4.0) |
| Missing |  | 1,438 | 1,184 | 254 |
| SYSTOLIC | 217,258 | 125.7 (18.6) | 125.7 (18.6) | 125.7 (18.5) |
| Missing |  | 30,288 | 25,157 | 5,131 |
| obesity | 247,546 | 9,979 (4.0%) | 9,502 (4.3%) | 477 (1.7%) |
| cardiovascular | 247,546 | 12,238 (4.9%) | 11,611 (5.3%) | 627 (2.2%) |
| cerebrovascular | 247,546 | 536 (0.2%) | 498 (0.2%) | 38 (0.1%) |
| hypertension | 247,546 | 23,402 (9.5%) | 22,294 (10%) | 1,108 (3.9%) |
| pulmonary | 247,546 | 7,370 (3.0%) | 7,044 (3.2%) | 326 (1.1%) |
| hyperlipidemia | 247,546 | 18,191 (7.3%) | 17,283 (7.9%) | 908 (3.2%) |
| antidepressants | 247,546 | 31,805 (13%) | 29,561 (14%) | 2,244 (7.8%) |
| antipsychotics | 247,546 | 10,869 (4.4%) | 10,169 (4.6%) | 700 (2.4%) |
| antihypertensives | 247,546 | 67,675 (27%) | 62,294 (28%) | 5,381 (19%) |
| statins | 247,546 | 31,508 (13%) | 29,013 (13%) | 2,495 (8.7%) |
| immunosuppresants | 247,546 | 22,143 (8.9%) | 20,802 (9.5%) | 1,341 (4.7%) |
| hba1c | 47,413 | 6.2 (1.6) | 6.2 (1.6) | 6.1 (1.5) |
| Missing |  | 200,133 | 175,846 | 24,287 |
| glucose | 139,254 | 112.8 (45.7) | 113.0 (46.1) | 110.8 (42.1) |
| Missing |  | 108,292 | 95,226 | 13,066 |
| alt | 118,292 |  |  |  |
| Median (IQR) |  | 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, 5,751.0 | 2.0, 4,089.0 |
| Missing |  | 129,254 | 112,800 | 16,454 |
| ast | 119,719 |  |  |  |
| Median (IQR) |  | 20.0 (16.0, 26.0) | 20.0 (16.0, 26.0) | 19.0 (16.0, 26.0) |
| Range |  | 3.0, 6,769.0 | 3.0, 6,769.0 | 4.0, 2,157.0 |
| Missing |  | 127,827 | 111,443 | 16,384 |
| serum\_creatinine | 137,276 |  |  |  |
| Median (IQR) |  | 0.8 (0.7, 1.1) | 0.9 (0.7, 1.1) | 0.8 (0.7, 1.0) |
| Range |  | 0.1, 31.3 | 0.1, 29.5 | 0.2, 31.3 |
| Missing |  | 110,270 | 96,792 | 13,478 |
| hdl | 54,952 | 50.9 (16.9) | 50.9 (17.0) | 51.2 (16.3) |
| Missing |  | 192,594 | 168,069 | 24,525 |
| ldl | 57,217 | 83.1 (50.0) | 83.7 (49.8) | 77.0 (52.1) |
| Missing |  | 190,329 | 166,264 | 24,065 |
| IP | 247,546 |  |  |  |
| Median (IQR) |  | 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, 188.0 | 0.0, 44.0 |
| OA | 247,546 |  |  |  |
| Median (IQR) |  | 0.0 (0.0, 4.0) | 0.0 (0.0, 4.0) | 0.0 (0.0, 1.0) |
| Range |  | 0.0, 320.0 | 0.0, 320.0 | 0.0, 128.0 |
| OT | 247,546 |  |  |  |
| Median (IQR) |  | 0.0 (0.0, 4.0) | 0.0 (0.0, 5.0) | 0.0 (0.0, 1.0) |
| Range |  | 0.0, 497.0 | 0.0, 497.0 | 0.0, 99.0 |
| AV | 247,546 |  |  |  |
| Median (IQR) |  | 4.0 (1.0, 12.0) | 5.0 (1.0, 13.0) | 1.0 (1.0, 2.0) |
| Range |  | 0.0, 973.0 | 0.0, 973.0 | 0.0, 145.0 |
| NI | 247,546 |  |  |  |
| Median (IQR) |  | 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, 135.0 | 0.0, 18.0 |
| TH | 247,546 |  |  |  |
| Median (IQR) |  | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) | 0.0 (0.0, 0.0) |
| Range |  | 0.0, 90.0 | 0.0, 90.0 | 0.0, 48.0 |
| ED | 247,546 |  |  |  |
| Median (IQR) |  | 0.0 (0.0, 1.0) | 0.0 (0.0, 1.0) | 0.0 (0.0, 0.0) |
| Range |  | 0.0, 167.0 | 0.0, 167.0 | 0.0, 21.0 |
| OS | 247,546 |  |  |  |
| Median (IQR) |  | 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, 42.0 | 0.0, 2.0 |
| EI | 247,546 |  |  |  |
| Median (IQR) |  | 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, 28.0 | 0.0, 3.0 |
| UN | 247,546 |  |  |  |
| Median (IQR) |  | 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, 178.0 | 0.0, 2.0 |
| IS | 247,546 |  |  |  |
| Median (IQR) |  | 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, 16.0 | 0.0, 0.0 |
| IC | 247,546 |  |  |  |
| Median (IQR) |  | 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, 1.0 |
| bmi\_category | 247,546 |  |  |  |
| Normal |  | 67,676 (27%) | 60,027 (27%) | 7,649 (27%) |
| Obese |  | 99,208 (40%) | 87,470 (40%) | 11,738 (41%) |
| Overweight |  | 74,552 (30%) | 65,899 (30%) | 8,653 (30%) |
| Underweight |  | 6,110 (2.5%) | 5,452 (2.5%) | 658 (2.3%) |
| CP | 6,000 |  |  |  |
| CP1 |  | 1,652 (28%) | 1,652 (28%) | 0 (NA%) |
| CP2 |  | 288 (4.8%) | 288 (4.8%) | 0 (NA%) |
| CP3 |  | 4,060 (68%) | 4,060 (68%) | 0 (NA%) |
| Missing |  | 241,546 | 212,848 | 28,698 |
| t | 218,848 |  |  |  |
| Median (IQR) |  | 243 (98, 423) | 243 (98, 423) | NA (NA, NA) |
| Range |  | 0, 699 | 0, 699 | Inf, -Inf |
| Missing |  | 28,698 | 0 | 28,698 |
| incident\_dm | 218,848 | 6,000 (2.7%) | 6,000 (2.7%) | 0 (NA%) |
| Missing |  | 28,698 | 0 | 28,698 |
| landmark\_cpit2dm | 247,546 |  |  |  |
| New onset in Landmark |  | 0 (0%) | 0 (0%) | 0 (0%) |
| No onset in Landmark |  | 247,546 (100%) | 218,848 (100%) | 28,698 (100%) |
| lookback\_cpit2dm | 247,546 |  |  |  |
| Unverified New onset in Lookback |  | 10,370 (4.2%) | 9,846 (4.5%) | 524 (1.8%) |
| Unverified No onset in Lookback |  | 237,176 (96%) | 209,002 (96%) | 28,174 (98%) |
| *1*n (%); Mean (SD) | | | | |