**Identifying coronavirus risk population on Medicaid**

We selected everyone on Medicaid in 2018 with a date of birth valid gender code and valid zip or county code (excluding 6% of the total population). The population breakdown is in table 1 below.

Table 1 – Medicaid demographics

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | NYC | | |  | Non NYC | | |
|  | All | Male | Female |  | All | Male | Female |
| All | 3,665,665 | 1,680,258 | 1,985,407 |  | 3,085,441 | 1,424,084 | 1,661,357 |
| Medicaid Only | 3,106,213 | 1,455,068 | 1,651,145 |  | 2,621,525 | 1,234,437 | 1,387,088 |
| 49 and below | 82.13% | 82.65% | 81.68% |  | 86.98% | 87.00% | 86.95% |
| 50-64 | 15.41% | 15.32% | 15.49% |  | 12.32% | 12.43% | 12.22% |
| 65-74 | 1.63% | 1.41% | 1.82% |  | 0.43% | 0.36% | 0.50% |
| 75 + | 0.81% | 0.60% | 0.99% |  | 0.25% | 0.19% | 0.31% |
|  |  |  |  |  |  |  |  |
| Medicaid Medicare | 559,452 | 225,190 | 334,262 |  | 463,916 | 189,647 | 274,269 |
| 49 and below | 8.29% | 10.71% | 6.65% |  | 20.50% | 25.64% | 16.95% |
| 50-64 | 18.76% | 21.33% | 17.03% |  | 28.11% | 32.56% | 25.03% |
| 65-74 | 38.86% | 40.05% | 38.06% |  | 25.58% | 25.02% | 25.96% |
| 75 + | 34.07% | 27.89% | 38.23% |  | 25.80% | 16.75% | 32.05% |

For the entire NYC population, we looked at their diagnoses in 2018, using the following CCS codes to define the conditions. We excluded those with only one diagnosis in the year.

Chronic Lung Condition: asthma (ccs=128) COPD or emphysema (CCS=127)

Chronic heart disease, including stroke, CAD, CHF and etc.

(ccs = 96, 97, 100 101, 103, 104, 105, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117)

AIDS/HIV (ccs=5)

Diabetes (ccs= 49, 50)

Cancer (CCS = 11-45, 47)

The prevalence of each condition and the number distribution of the conditions are included in table 2. In summary, 19% of the Medicaid only population in NYC have one or more listed chronic conditions, and 47% male and 48% female among age 50/+ (table 2). Specifically, among age 50/+, diabetes is the most prevalent at 29% male and 30% female, followed by heart diseases at 23% male and 21% female. **Since we only have the Medicaid claims data, the prevalence of the Medicaid/Medicare population is an underestimate**. Despite the underestimate, 48% of the total Medicaid/Medicare population in 2018 have one or more listed conditions.

Table 2 – Chronic disease prevalence among NYC Medicaid recipients in 2018

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | All NYC |  | Male | |  | Female |  |
|  |  |  | 49/- | 50/+ | | 49/- | 50/+ |
|  | 3,106,213 |  | 1,202,630 | 252,438 |  | 1,348,718 | 302,427 |
| Medicaid only |  |  |  |  |  |  |  |
| Chronic Lung Disease | 7.61% |  | 6.68% | 9.58% |  | 6.99% | 12.46% |
| Heart Disease | 6.77% |  | 3.46% | 22.82% |  | 3.61% | 20.62% |
| HIV/Aids | 1.05% |  | 1.01% | 3.48% |  | 0.43% | 1.98% |
| Cancer | 1.33% |  | 0.43% | 4.38% |  | 0.69% | 5.27% |
| Diabetes | 8.26% |  | 3.36% | 29.41% |  | 3.70% | 30.43% |
| Number of conditions |  |  |  |  |  |  |  |
| 0 | 80.68% |  | 86.93% | 52.86% |  | 86.75% | 51.97% |
| 1 | 14.64% |  | 11.39% | 29.09% |  | 11.34% | 30.21% |
| 2+ | 4.66% |  | 1.66% | 18.03% |  | 1.89% | 17.80% |
| Having one or more | **19.31%** |  | 13.06% | **47.13%** |  | 13.24% | **48.02%** |
|  |  |  |  |  |  |  |  |
| Medicaid/Medicare | 559,452 |  | 24,130 | 201,060 |  | 22,260 | 312,002 |
| Chronic Lung Disease | 12.37% |  | 7.27% | 11.40% |  | 13.50% | 13.31% |
| Heart Disease | 30.52% |  | 12.59% | 32.94% |  | 13.91% | 31.54% |
| HIV/Aids | 1.76% |  | 4.86% | 2.58% |  | 2.69% | 0.92% |
| Cancer | 6.40% |  | 2.25% | 7.38% |  | 3.86% | 6.27% |
| Diabetes | 26.09% |  | 12.20% | 26.73% |  | 12.59% | 27.71% |
| Number of conditions |  |  |  |  |  |  |  |
| 0 | 52.42% |  | 71.35% | 50.73% |  | 67.51% | 50.97% |
| 1 | 25.49% |  | 20.07% | 25.51% |  | 21.68% | 26.16% |
| 2+ | 22.08% |  | 8.57% | 23.74% |  | 10.80% | 22.85% |
| Having one or more | **47.57%** |  | **28.64%** | **49.26%** |  | **32.48%** | **49.02%** |

Table 3 – Chronic disease prevalence among NYC Medicaid recipients in 2018 by age categories

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ALL NYC |  | Male | | | |  | Female | | | |
|  |  |  | 49/- | 50-64 | 65-74 | 75/+ | | 49/- | 50-64 | 65-74 | 75/+ |
|  | 3,106,213 |  | 1,202,630 | 222,969 | 20,638 | 8,831 |  | 1,348,718 | 255,778 | 30,184 | 16,465 |
| Medicaid only |  |  |  |  |  |  |  |  |  |  |  |
| Chronic Lung Disease | 7.61% |  | 6.68% | 9.52% | 9.45% | 11.36% |  | 6.99% | 13.29% | 7.35% | 8.92% |
| Heart Disease | 6.77% |  | 3.46% | 21.43% | 31.44% | 37.62% |  | 3.61% | 19.02% | 25.96% | 35.71% |
| HIV/Aids | 1.05% |  | 1.01% | 3.85% | 0.80% | 0.24% |  | 0.43% | 2.29% | 0.36% | 0.13% |
| Cancer | 1.33% |  | 0.43% | 3.81% | 8.46% | 9.17% |  | 0.69% | 5.16% | 5.80% | 6.07% |
| Diabetes | 8.26% |  | 3.36% | 28.82% | 35.18% | 30.76% |  | 3.70% | 29.35% | 36.97% | 35.15% |
| Number of conditions |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 80.68% |  | 86.93% | 53.76% | 46.10% | 46.08% |  | 86.75% | 52.86% | 48.19% | 45.18% |
| 1 | 14.64% |  | 11.39% | 29.16% | 29.31% | 26.93% |  | 11.34% | 30.02% | 31.91% | 30.03% |
| 2+ | 4.66% |  | 1.66% | 17.07% | 24.57% | 26.97% |  | 1.89% | 17.11% | 19.89% | 24.78% |
| Having one or more | 19.31% |  | 13.06% | 46.23% | 53.89% | 53.91% |  | 13.24% | 47.13% | 51.80% | 54.81% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Medicaid/Medicare | 559,452 |  | 24,130 | 48,043 | 90,202 | 62,815 |  | 22,260 | 56,951 | 127,248 | 127,803 |
| Chronic Lung Disease | 12.37% |  | 7.27% | 10.56% | 9.75% | 14.40% |  | 13.50% | 15.48% | 11.36% | 14.29% |
| Heart Disease | 30.52% |  | 12.59% | 26.73% | 27.90% | 44.93% |  | 13.91% | 22.93% | 24.80% | 42.08% |
| HIV/Aids | 1.76% |  | 4.86% | 6.32% | 1.99% | 0.57% |  | 2.69% | 2.74% | 0.87% | 0.16% |
| Cancer | 6.40% |  | 2.25% | 5.44% | 6.70% | 9.84% |  | 3.86% | 6.29% | 6.04% | 6.49% |
| Diabetes | 26.09% |  | 12.20% | 26.94% | 24.80% | 29.33% |  | 12.59% | 26.45% | 26.23% | 29.74% |
| Number of conditions |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 52.42% |  | 71.35% | 52.31% | 55.76% | 42.30% |  | 67.51% | 53.88% | 56.75% | 43.91% |
| 1 | 25.49% |  | 20.07% | 26.11% | 23.93% | 27.33% |  | 21.68% | 25.64% | 24.00% | 28.55% |
| 2+ | 22.08% |  | 8.57% | 21.57% | 20.29% | 30.35% |  | 10.80% | 20.46% | 19.23% | 27.52% |
| Having one or more | 47.57% |  | 28.64% | 47.68% | 44.23% | 57.69% |  | 32.48% | 46.11% | 43.24% | 56.08% |

Table 4 Chronic disease counts among NYC Medicaid recipients in 2018 by age categories

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ALL NYC |  | Male | | | |  | Female | | | |
|  |  |  | 49/- | 50-64 | 65-74 | 75/+ |  | 49/- | 50-64 | 65-74 | 75/+ |
| Medicaid only | 3,106,213 |  | 1,202,630 | 222,969 | 20,638 | 8,831 |  | 1,348,718 | 255,778 | 30,184 | 16,465 |
| Chronic Lung Disease | 236,542 |  | 80,369 | 21,228 | 1,952 | 1,004 |  | 94,286 | 34,013 | 2,221 | 1,469 |
| Heart Disease | 210,420 |  | 41,616 | 47,799 | 6,489 | 3,323 |  | 48,816 | 48,659 | 7,838 | 5,880 |
| HIV/Aids | 32,876 |  | 12,208 | 8,601 | 166 | 22 |  | 5,890 | 5,858 | 109 | 22 |
| Cancer | 41,547 |  | 5,172 | 8,516 | 1,747 | 810 |  | 9,336 | 13,213 | 1,752 | 1,001 |
| Diabetes | 256,759 |  | 40,479 | 64,272 | 7,262 | 2,717 |  | 49,994 | 75,085 | 11,162 | 5,788 |
| *Sum* | *778,144* |  | *179,844* | *150,416* | *17,616* | *7,876* |  | *208,322* | *176,828* | *23,082* | *14,160* |
| Number of conditions |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 2,506,286 |  | 1,045,539 | 119,873 | 9,515 | 4,070 |  | 1,170,097 | 135,205 | 14,548 | 7,439 |
| 1 | 454,979 |  | 137,092 | 65,018 | 6,051 | 2,379 |  | 153,053 | 76,809 | 9,632 | 4,945 |
| 2+ | 144,948 |  | 19,999 | 38,078 | 5,072 | 2,382 |  | 25,568 | 43,764 | 6,004 | 4,081 |
| Having one or more | 599,927 |  | 157,091 | 103,096 | 11,123 | 4,761 |  | 178,621 | 120,573 | 15,636 | 9,026 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Medicaid/Medicare | 559,452 |  | 24,130 | 48,043 | 90,202 | 62,815 |  | 22,260 | 56,951 | 127,248 | 127,803 |
| Chronic Lung Disease | 69,233 |  | 1,756 | 5,074 | 8,801 | 9,046 |  | 3,007 | 8,819 | 14,461 | 18,269 |
| Heart Disease | 170,790 |  | 3,039 | 12,845 | 25,170 | 28,224 |  | 3,097 | 13,061 | 31,562 | 53,792 |
| HIV/Aids | 9,861 |  | 1,175 | 3,038 | 1,802 | 361 |  | 599 | 1,566 | 1,112 | 208 |
| Cancer | 35,830 |  | 544 | 2,618 | 6,051 | 6,181 |  | 860 | 3,583 | 7,687 | 8,306 |
| Diabetes | 145,968 |  | 2,945 | 12,944 | 22,378 | 18,427 |  | 2,804 | 15,068 | 33,382 | 38,020 |
| *Sum* | *431,682* |  | *9,459* | *36,519* | *64,202* | *62,239* |  | *10,367* | *42,097* | *88,204* | *118,595* |
| Number of conditions |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 293,294 |  | 17,217 | 25,132 | 50,303 | 26,575 |  | 15,029 | 30,690 | 72,219 | 56,129 |
| 1 | 142,624 |  | 4,844 | 12,547 | 21,590 | 17,170 |  | 4,826 | 14,606 | 30,551 | 36,490 |
| 2+ | 123,534 |  | 2,069 | 10,364 | 18,309 | 19,070 |  | 2,405 | 11,655 | 24,478 | 35,184 |
| Having one or more | 266,158 |  | 6,913 | 22,911 | 39,899 | 36,240 |  | 7,231 | 26,261 | 55,029 | 71,674 |

Table 5 Number of risk population by insurance type, Medicaid Estimates

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | All | Medicaid | Dual | Private | Uninsured | Other |
| Age 50/+ |  | 554,856 | 513,062 |  |  |  |
| Any 1 condition |  | 164,834 | 132,954 |  |  |  |
| At least 1 condition |  | 264,215 | 252,014 |  |  |  |

Table 6 Frequency of chronic condition dyads among NYC Medicaid recipients in 2018 by age categories (sorted by most frequent)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | All NYC |  | Male | |  | Female | |
|  |  |  |  | 49/- | 50/+ |  | 49/- | 50/+ |
| Medicaid Only |  | 3,106,213 |  | 1,202,630 | 252,438 |  | 1,348,718 | 302,427 |
| diabetes | heart disease | 76,353 |  | 7,783 | 29,131 |  | 8,380 | 31,059 |
| heart disease | chronic lung | 42,532 |  | 6,479 | 11,250 |  | 9,510 | 15,293 |
| diabetes | chronic lung | 39,642 |  | 4,458 | 10,347 |  | 7,925 | 16,912 |
| heart disease | cancer | 14,076 |  | 1,264 | 4,850 |  | 1,994 | 5,968 |
| diabetes | cancer | 13,641 |  | 814 | 4,696 |  | 1,606 | 6,525 |
| heart disease | HIV | 6,377 |  | 1,301 | 2,332 |  | 904 | 1,840 |
| diabetes | HIV | 5,550 |  | 835 | 2,198 |  | 733 | 1,784 |
| chronic lung | cancer | 7,569 |  | 680 | 2,136 |  | 1,436 | 3,317 |
| chronic lung | HIV | 7,816 |  | 1,658 | 2,076 |  | 1,549 | 2,533 |
| cancer | HIV | 2,063 |  | 489 | 756 |  | 259 | 559 |
|  |  |  |  |  |  |  |  |  |
| Medicaid/Medicare |  | 559,452 |  | 24,130 | 201,060 |  | 22,260 | 312,002 |
| diabetes | heart disease | 81,143 |  | 1,079 | 31,906 |  | 1,033 | 47,125 |
| heart disease | chronic lung | 43,575 |  | 538 | 15,532 |  | 900 | 26,605 |
| diabetes | chronic lung | 33,041 |  | 443 | 10,949 |  | 838 | 20,811 |
| heart disease | cancer | 20,413 |  | 196 | 8,757 |  | 307 | 11,153 |
| diabetes | cancer | 16,352 |  | 145 | 6,610 |  | 240 | 9,357 |
| chronic lung | cancer | 9,537 |  | 93 | 3,739 |  | 192 | 5,513 |
| heart disease | HIV | 3,281 |  | 193 | 1,856 |  | 131 | 1,101 |
| diabetes | HIV | 2,737 |  | 147 | 1,518 |  | 100 | 972 |
| chronic lung | HIV | 2,266 |  | 150 | 988 |  | 188 | 940 |
| cancer | HIV | 1,047 |  | 101 | 600 |  | 46 | 300 |

**MEPS Memo: Identifying At Risk Individuals Age 50+**

We use data from the MEPS full year consolidated files and medical condition files for the years 2014-2017. We exclude all individuals younger than age 50 and who do not reside in the Northeast census region as of round 1/3 of the panel. We assign full year health insurance along the following hierarchy:

1. All Other Insurance
2. Any Private Insurance
3. Medicaid
4. Medicare
5. Medicaid, Medicare Duals
6. Uninsured

MEPS considers diabetes, heart disease, cancer, and chronic lung disease as priority conditions and collects information about these conditions in the full year consolidated file. We define diabetic and cancer status as ever having a diabetes or cancer diagnosis, heart disease as ever being diagnosed with any of the following: coronary heart disease, angina, other heart disease/condition, heart attack, or stroke, and chronic lung disease as anyone who reports any of the following: still has asthma, ever diagnosed with emphysema, or chronic bronchitis within the last 12 months. We define HIV status using clinical classification codes for years 2014 and 2015 and using ICD10 condition codes for years 2016 and 2017. We use different classification methods because MEPS is in the process of transitioning from ICD9 to ICD10 and updated clinical classification codes have not yet been released for 2016 and 2017.

From each of these variables we estimated the proportion of individuals in each age group 50-64, 65-74, and 75+ by insurance status and sex with each condition. We also estimate the proportion of individuals with 0, 1, or 2+ conditions. We then take these proportions and divide them by the estimated proportion for Medicaid. Because the age categories of 65-74 and 75+ contained several empty cells, we only report the ratios for the age group 50-64. Tables 7a and 7b contain these estimated ratios.

Table 7a. MEPS Ratios By Full Year Insurance Status and Disease

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | MEPS Ratio | |
| Full Year Insurance Status | Disease | MALES | FEMALES |
|  |  |  |  |
| Uninsured | Diabetes | 0.923 | 0.451 |
| Heart Disease | 0.328 | 0.482 |
| Cancer | 0.579 | 1.380 |
| Chronic Lung | 0.654 | 0.363 |
| HIV | 0.000 | 0.000 |
|  |  |  |  |
| Medicare | Diabetes | 1.502 | 1.185 |
| Heart Disease | 1.754 | 1.483 |
| Cancer | 2.040 | 2.558 |
| Chronic Lung | 1.745 | 1.314 |
| HIV | 0.886 | 0.193 |
|  |  |  |  |
| Medicaid | Diabetes | 1.000 | 1.000 |
| Heart Disease | 1.000 | 1.000 |
| Cancer | 1.000 | 1.000 |
| Chronic Lung | 1.000 | 1.000 |
| HIV | 1.000 | 1.000 |
|  |  |  |  |
| Medicaid+Medicare | Diabetes | 1.875 | 1.234 |
| Heart Disease | 1.868 | 1.453 |
| Cancer | 2.972 | 2.431 |
| Chronic Lung | 3.365 | 1.462 |
| HIV | 3.221 | 1.547 |
|  |  |  |  |
| PrivateInsurance | Diabetes | 0.548 | 0.246 |
| Heart Disease | 0.601 | 0.563 |
| Cancer | 1.407 | 1.216 |
| Chronic Lung | 0.617 | 0.360 |
| HIV | 0.073 | 0.186 |
|  |  |  |  |
| AllOther | Diabetes | 0.613 | 0.508 |
| Heart Disease | 0.818 | 0.825 |
| Cancer | 1.521 | 1.566 |
| Chronic Lung | 0.856 | 0.541 |
| HIV | 0.000 | 0.000 |

Table 7b. MEPS Ratios By Full Year Insurance Status for Those With At Least One Condition

|  |  |  |
| --- | --- | --- |
| At Least One Condition | MEPS Ratio | |
|  | Male | Female |
| Full Year Insurance Status |  |  |
| Uninsured | 0.60472 | 0.623778 |
| Medicare | 1.40283 | 1.269038 |
| Medicaid | 1 | 1 |
| Medicaid+Medicare | 1.543766 | 1.373155 |
| Private Insurance | 0.735624 | 0.609237 |
| All Other | 0.785117 | 0.758365 |

Table 7b. MEPS Ratios By Full Year Insurance Status for Those With One Condition

|  |  |  |
| --- | --- | --- |
| One Condition | MEPS Ratio | |
|  | Male | Female |
| Full Year Insurance Status |  |  |
| Uninsured | 0.349413 | 0.581368 |
| Medicare | 1.182257 | 1.002108 |
| Medicaid | 1 | 1 |
| Medicaid+Medicare | 0.908598 | 1.300191 |
| Private Insurance | 0.860531 | 0.939505 |
| All Other | 0.734734 | 0.897939 |

In order to produce estimates for other insurance categories, we take population numbers for New York City from the ACS, multiply these numbers by the Medicaid prevalence estimates from Table 3, then multiply that number by the relevant ratio in table 7a or 7b to arrive at an estimated number of people with each condition by insurance, age, and sex. Table 8 contains these estimates.

Table 8. Chronic Disease Count Estimates by Insurance Status, Age Categories, and Gender

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Male | | | Female | | |
| Full Year Insurance Status | Disease | 50-64 | 65-74 | 75+ | 50-64 | 65-74 | 75+ |
| Uninsured | Population | 59914 | 6690 | 1293 | 51047 | 6827 | 2783 |
| Chronic Lung | 3729.169 | 413.3375 | 96.03371 | 2464.735 | 182.3023 | 90.1889 |
| Heart Disease | 4210.427 | 689.7383 | 159.5119 | 4681.574 | 854.5663 | 479.1972 |
| HIV | 0 | 0 | 0 | 0 | 0 | 0 |
| Cancer | 1321.22 | 327.5807 | 68.62617 | 3634.582 | 546.3771 | 233.0969 |
| Diabetes | 15933.63 | 2171.772 | 367.0094 | 6752.302 | 1137.504 | 440.8715 |
| Sum | 25194 | 3602 | 691 | 17533 | 2721 | 1243 |
| Medicare | Population | 21887 | 181758 | 128799 | 27253 | 237000 | 189949 |
| Chronic Lung | 3636.636 | 29977.95 | 25536.86 | 4757.778 | 22882.35 | 22257.01 |
| Heart Disease | 8225.867 | 100218.8 | 84977.62 | 7685.246 | 91219.14 | 100568 |
| HIV | 746.8593 | 1288.77 | 273.9779 | 120.3294 | 164.5026 | 47.61045 |
| Cancer | 1701.198 | 31369.49 | 24094.92 | 3597.223 | 35162.49 | 29493.68 |
| Diabetes | 9473.716 | 96034.99 | 59503.01 | 9476.94 | 103811 | 79105.75 |
| Sum | 23784 | 258890 | 194386 | 25638 | 253240 | 231472 |
| Medicaid | Population | 179552 | 0 | 0 | 228924 | 0 | 0 |
| Chronic Lung | 17093.35 | 0 | 0 | 30424 | 0 | 0 |
| Heart Disease | 38477.99 | 0 | 0 | 43541.34 | 0 | 0 |
| HIV | 6912.752 | 0 | 0 | 5242.36 | 0 | 0 |
| Cancer | 6840.931 | 0 | 0 | 11812.48 | 0 | 0 |
| Diabetes | 51746.89 | 0 | 0 | 67189.19 | 0 | 0 |
| Sum | 300624 | 0 | 0 | 387133 | 0 | 0 |
| Medicaid+Medicare | Population | 26664 | 82735 | 67325 | 33917 | 116299 | 133309 |
| Chronic Lung | 8542.956 | 26312.79 | 25739.53 | 4720.685 | 16067.87 | 22140.55 |
| Heart Disease | 10672.48 | 48583.62 | 47305.67 | 10560.06 | 53123.32 | 72862.65 |
| HIV | 3307.01 | 2132.204 | 520.5195 | 2020.332 | 1439.496 | 495.0116 |
| Cancer | 3019.065 | 20800.89 | 18347.12 | 3141 | 23915.08 | 29713.53 |
| Diabetes | 14407.41 | 54569.72 | 38826.59 | 12064.31 | 50496.69 | 50610.07 |
| Sum | 39949 | 152399 | 130739 | 32506 | 145042 | 175822 |
| Private Insurance | Population | 430213 | 25573 | 2384 | 477575 | 25070 | 3835 |
| Chronic Lung | 25249.68 | 1489.872 | 166.9629 | 16376.56 | 853.3558 | 156.9234 |
| Heart Disease | 55372.67 | 4828.964 | 538.6601 | 57592.39 | 4435.456 | 811.8682 |
| HIV | 1206.173 | 14.89831 | 0.416661 | 3413.927 | 37.23885 | 1.708947 |
| Cancer | 23058.63 | 3043.526 | 307.5393 | 22119.27 | 2578.273 | 427.5027 |
| Diabetes | 67893.77 | 4926.403 | 401.555 | 33909.47 | 2172.879 | 290.6278 |
| Sum | 172781 | 14304 | 1415 | 133412 | 10077 | 1689 |
| All Other | Population | 2410 | 176 | 68 | 602 | 82 | 109 |
| Chronic Lung | 196.3071 | 14.23071 | 6.609511 | 43.27478 | 3.259977 | 5.259019 |
| Heart Disease | 422.6916 | 45.28763 | 20.93689 | 94.42049 | 17.55407 | 32.09782 |
| HIV | 0 | 0 | 0 | 0 | 0 | 0 |
| Cancer | 139.6667 | 22.64821 | 9.484821 | 48.65507 | 7.449442 | 10.36328 |
| Diabetes | 425.5982 | 37.93999 | 12.81693 | 89.71464 | 15.39296 | 19.45407 |
| Sum | 1184 | 120 | 50 | 276 | 44 | 67 |

Finally, to estimate the number of individuals over 50 who are deemed to be at risk, we count how many individuals have any one condition and at least one condition by insurance. These estimates are in Table 9.

Table 9. At Risk Count Estimates, by Insurance

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | All | Medicaid | Medicare | Medicaid+Medicare | Private | Uninsured | Other |
| Age 50+ |  |  |  |  |  |  |  |
| Any 1 Condition | 804577 | 121080 | 252682 | 159111 | 258249 | 12957 | 497 |
| At Least 1 Condition | 1451490 | 185348 | 572599 | 350331 | 303774 | 38166 | 1271 |

**ACS memo:**

We use the American Community Survey to compute the Insurance and Demographic distributions in New York City. Our sample is restricted to people of age 50 years or more and living in any of the 5 boroughs of NYC. The numbers we generated here are weighted and averaged over the last 3 years (2016-2018) of available data from ACS.

Variable Construction:

Age is categorized in 3 groups:

1. 50-64 years
2. 65 – 74 years
3. More than 75 years

Sex is categorized in 2 groups:

1. Male
2. Female

The Insurance Hierarchy as:

1. **Assign** Insurance = “Other/Any Insurance” if currently enrolled in any insurance plan.
2. **Assign/Replace** Insurance = “Uninsured” if currently not enrolled in any insurance plan
3. **Assign/Replace** Insurance = “Any Private Insurance” if currently enrolled in any private insurance
4. **Assign/Replace** Insurance = “Medicaid” if currently enrolled in Medicaid
5. **Assign/Replace** Insurance = “Medicare” if currently enrolled in Medicare
6. **Assign/Replace** Insurance = “Medicaid+Medicare” if currently enrolled in Medicaid and Medicare Simultaneously.