Table of Contents

[**Summary Tables** 2](#_Toc106699256)

[**Heart Attack Models** 11](#_Toc106699257)

[**Stroke Models** 16](#_Toc106699258)

# **Summary Tables**

| **Variable** | **N** | **Mean** | **Std. Dev.** | **Min** | **Pctl. 25** | **Pctl. 75** | **Max** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| SEQN | 5935 | 46559.798 | 2928.332 | 41475 | 44049.5 | 49104.5 | 51623 |
| age | 5935 | 50.772 | 17.953 | 20 | 36 | 65 | 80 |
| poverty\_level\_index | 5185 | 2.303 | 1.552 | 0 | 1.03 | 3.48 | 5 |
| religious\_attendance | 4024 |  |  |  |  |  |  |
| ... Less than Weekly | 2425 | 60.3% |  |  |  |  |  |
| ... Weekly | 1103 | 27.4% |  |  |  |  |  |
| ... More than Weekly | 489 | 12.2% |  |  |  |  |  |
| ... NA | 7 | 0.2% |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **N** | **Mean** | **Std. Dev.** | **Min** | **Pctl. 25** | **Pctl. 75** | **Max** |
| SEQN | 5935 | 46559.798 | 2928.332 | 41475 | 44049.5 | 49104.5 | 51623 |
| gender | 5935 |  |  |  |  |  |  |
| ... Male | 2910 | 49% |  |  |  |  |  |
| ... Female | 3025 | 51% |  |  |  |  |  |
| ethnicity | 5935 |  |  |  |  |  |  |
| ... Non-Hispanic White | 2761 | 46.5% |  |  |  |  |  |
| ... Hispanic | 1699 | 28.6% |  |  |  |  |  |
| ... Non-Hispanic Black | 1227 | 20.7% |  |  |  |  |  |
| ... Other | 248 | 4.2% |  |  |  |  |  |
| education | 5935 |  |  |  |  |  |  |
| ... High School/GED | 1462 | 24.6% |  |  |  |  |  |
| ... Less than High School | 1861 | 31.4% |  |  |  |  |  |
| ... Some college | 1505 | 25.4% |  |  |  |  |  |
| ... College Graduate or above | 1100 | 18.5% |  |  |  |  |  |
| ... Refused | 2 | 0% |  |  |  |  |  |
| ... Don't Know | 5 | 0.1% |  |  |  |  |  |
| marital\_status | 5935 |  |  |  |  |  |  |
| ... Never Married | 992 | 16.7% |  |  |  |  |  |
| ... Married | 3517 | 59.3% |  |  |  |  |  |
| ... Previously Married | 1422 | 24% |  |  |  |  |  |
| ... Refused | 4 | 0.1% |  |  |  |  |  |
| ... Don't Know | 0 | 0% |  |  |  |  |  |
| born\_outside\_us | 4442 |  |  |  |  |  |  |
| ... Born in US | 4439 | 99.9% |  |  |  |  |  |
| ... Born outside US | 0 | 0% |  |  |  |  |  |
| ... Refused | 3 | 0.1% |  |  |  |  |  |
| ... Don't Know | 0 | 0% |  |  |  |  |  |
| poverty\_level\_category | 5664 |  |  |  |  |  |  |
| ... Poverty Index <= 1.3 | 1912 | 33.8% |  |  |  |  |  |
| ... Poverty Index in (1.30, 1.85) | 860 | 15.2% |  |  |  |  |  |
| ... Poverty Index > 1.85 | 2782 | 49.1% |  |  |  |  |  |
| ... Refused | 47 | 0.8% |  |  |  |  |  |
| ... Don't know | 63 | 1.1% |  |  |  |  |  |
| health\_insurance | 5935 |  |  |  |  |  |  |
| ... Unknown | 0 | 0% |  |  |  |  |  |
| ... Yes | 4534 | 76.4% |  |  |  |  |  |
| ... No | 1396 | 23.5% |  |  |  |  |  |
| ... Refused | 3 | 0.1% |  |  |  |  |  |
| ... Don't know | 2 | 0% |  |  |  |  |  |
| private\_insurance | 5935 |  |  |  |  |  |  |
| ... Unknown | 2788 | 47% |  |  |  |  |  |
| ... Covered | 3141 | 52.9% |  |  |  |  |  |
| ... Refused | 1 | 0% |  |  |  |  |  |
| ... Don't Know | 5 | 0.1% |  |  |  |  |  |
| medicare | 5935 |  |  |  |  |  |  |
| ... Unknown | 4447 | 74.9% |  |  |  |  |  |
| ... Covered | 1488 | 25.1% |  |  |  |  |  |
| medicaid | 5935 |  |  |  |  |  |  |
| ... Unknown | 5466 | 92.1% |  |  |  |  |  |
| ... Covered | 469 | 7.9% |  |  |  |  |  |
| num\_healthcare\_visits | 5935 |  |  |  |  |  |  |
| ... None | 986 | 16.6% |  |  |  |  |  |
| ... 1 | 1017 | 17.1% |  |  |  |  |  |
| ... 2 to 3 | 1520 | 25.6% |  |  |  |  |  |
| ... 4 to 9 | 1578 | 26.6% |  |  |  |  |  |
| ... 10 to 12 | 407 | 6.9% |  |  |  |  |  |
| ... 13 or more | 425 | 7.2% |  |  |  |  |  |
| ... Refused | 0 | 0% |  |  |  |  |  |
| ... Don't know | 2 | 0% |  |  |  |  |  |
| ever\_received\_food\_stamps | 5887 |  |  |  |  |  |  |
| ... Yes | 1376 | 23.4% |  |  |  |  |  |
| ... No | 4505 | 76.5% |  |  |  |  |  |
| ... Refused | 4 | 0.1% |  |  |  |  |  |
| ... Don't Know | 2 | 0% |  |  |  |  |  |
| FSQ171 | 1376 | 1.335 | 0.513 | 1 | 1 | 2 | 9 |
| num\_months\_WIC | 0 | NaN | NA | Inf | NA | NA | -Inf |
| worried\_house\_run\_out\_food | 5887 |  |  |  |  |  |  |
| ... Often True | 465 | 7.9% |  |  |  |  |  |
| ... Sometimes true | 874 | 14.8% |  |  |  |  |  |
| ... Never true | 4534 | 77% |  |  |  |  |  |
| ... Refused | 8 | 0.1% |  |  |  |  |  |
| ... Don't Know | 6 | 0.1% |  |  |  |  |  |
| food\_ran\_out | 5887 |  |  |  |  |  |  |
| ... Often True | 324 | 5.5% |  |  |  |  |  |
| ... Sometimes true | 795 | 13.5% |  |  |  |  |  |
| ... Never true | 4762 | 80.9% |  |  |  |  |  |
| ... Refused | 4 | 0.1% |  |  |  |  |  |
| ... Don't Know | 2 | 0% |  |  |  |  |  |
| mobility\_limit | 5935 |  |  |  |  |  |  |
| ... Yes | 886 | 14.9% |  |  |  |  |  |
| ... No | 5043 | 85% |  |  |  |  |  |
| ... Refused | 0 | 0% |  |  |  |  |  |
| ... Don't Know | 6 | 0.1% |  |  |  |  |  |
| risk\_mobility | 5935 | 0 | 0 | 0 | 0 | 0 | 0 |
| high\_blood\_pressure | 5935 |  |  |  |  |  |  |
| ... Yes | 2124 | 35.8% |  |  |  |  |  |
| ... No | 3805 | 64.1% |  |  |  |  |  |
| ... Don't Know | 0 | 0% |  |  |  |  |  |
| ... Refused | 6 | 0.1% |  |  |  |  |  |
| risk\_bp | 5935 | 0 | 0 | 0 | 0 | 0 | 0 |
| fasting\_glucose | 5935 |  |  |  |  |  |  |
| ... Unknown | 3313 | 55.8% |  |  |  |  |  |
| ... Not at Risk | 320 | 5.4% |  |  |  |  |  |
| ... At Risk | 2302 | 38.8% |  |  |  |  |  |
| risk\_glucose | 5935 | 0.388 | 0.487 | 0 | 0 | 1 | 1 |
| tobacco\_use\_5\_days | 5935 |  |  |  |  |  |  |
| ... Unknown | 702 | 11.8% |  |  |  |  |  |
| ... Yes | 1424 | 24% |  |  |  |  |  |
| ... No | 3809 | 64.2% |  |  |  |  |  |
| had\_12\_drinks\_in\_1yr | 5233 |  |  |  |  |  |  |
| ... Yes | 3670 | 70.1% |  |  |  |  |  |
| ... No | 1557 | 29.8% |  |  |  |  |  |
| ... Refused | 0 | 0% |  |  |  |  |  |
| ... Don't Know | 6 | 0.1% |  |  |  |  |  |
| avg\_drinks\_daily\_past\_yr | 3323 | 6.254 | 57.314 | 1 | 1 | 4 | 999 |
| num\_drinks\_past\_yr | 4434 | 6.377 | 52.781 | 0 | 0 | 3 | 999 |
| num\_drinks\_past\_yr\_unit | 3312 | 1.918 | 0.864 | 1 | 1 | 3 | 3 |
| num\_days\_5\_drinks\_or\_more | 3323 | 51.512 | 713.432 | 0 | 0 | 0.096 | 9999 |
| ALQ140U | 1270 | 2.245 | 0.856 | 1 | 1 | 3 | 3 |
| had\_12\_drinks\_lifetime | 1563 | 1.551 | 0.755 | 1 | 1 | 2 | 9 |
| num\_drinks\_weekly | 4434 | 3.597 | 49.68 | 0 | 0 | 1.171 | 999 |
| type\_of\_drinker | 5935 |  |  |  |  |  |  |
| ... NA | 1764 | 29.7% |  |  |  |  |  |
| ... Abstainer | 789 | 13.3% |  |  |  |  |  |
| ... Harmful | 420 | 7.1% |  |  |  |  |  |
| ... Moderate | 2962 | 49.9% |  |  |  |  |  |
| risk\_alcohol | 5935 | 0.071 | 0.256 | 0 | 0 | 0 | 1 |
| heart\_attack | 5935 |  |  |  |  |  |  |
| ... Yes | 282 | 4.8% |  |  |  |  |  |
| ... No | 5642 | 95.1% |  |  |  |  |  |
| ... Refused | 0 | 0% |  |  |  |  |  |
| ... Don't Know | 11 | 0.2% |  |  |  |  |  |
| stroke | 5935 |  |  |  |  |  |  |
| ... Yes | 258 | 4.3% |  |  |  |  |  |
| ... No | 5659 | 95.3% |  |  |  |  |  |
| ... Refused | 0 | 0% |  |  |  |  |  |
| ... Don't Know | 18 | 0.3% |  |  |  |  |  |
| risk\_tobacaco | 5935 | 0.24 | 0.427 | 0 | 0 | 0 | 1 |
| weight | 5617 | 81.16 | 20.904 | 32.4 | 66.6 | 92.1 | 218.2 |
| height | 5617 | 167.138 | 10.111 | 137.3 | 159.7 | 174.5 | 203.8 |
| waist | 5378 | 98.984 | 15.958 | 59.1 | 87.8 | 108.3 | 178.2 |
| rfm | 5373 | 35.519 | 8.541 | 7.975 | 29.245 | 42.721 | 56.781 |
| risk\_sum | 5935 |  |  |  |  |  |  |
| ... 0 | 2667 | 44.9% |  |  |  |  |  |
| ... 1 | 2486 | 41.9% |  |  |  |  |  |
| ... 2 | 686 | 11.6% |  |  |  |  |  |
| ... 3 | 96 | 1.6% |  |  |  |  |  |

# **Heart Attack Models**

| **Characteristic** | Social Determinants | | Health and Behavior | | Religious Attendance | |
| --- | --- | --- | --- | --- | --- | --- |
| **log(OR)***1* | **p-value** | **log(OR)***1* | **p-value** | **log(OR)***1* | **p-value** |
| **gender** |  |  |  |  |  |  |
| Male | — |  |  |  |  |  |
| Female | 0.76 | **<0.001** |  |  |  |  |
| **age** | -0.08 | **<0.001** |  |  |  |  |
| **ethnicity** |  |  |  |  |  |  |
| Non-Hispanic White | — |  |  |  |  |  |
| Hispanic | 0.37 | 0.2 |  |  |  |  |
| Non-Hispanic Black | 0.27 | 0.2 |  |  |  |  |
| Other | -0.48 | 0.4 |  |  |  |  |
| **education** |  |  |  |  |  |  |
| High School/GED | — |  |  |  |  |  |
| Less than High School | -0.25 | 0.2 |  |  |  |  |
| Some college | 0.02 | >0.9 |  |  |  |  |
| College Graduate or above | 0.10 | 0.7 |  |  |  |  |
| Refused | -5.8 | >0.9 |  |  |  |  |
| Don't Know | 12 | >0.9 |  |  |  |  |
| **marital\_status** |  |  |  |  |  |  |
| Never Married | — |  |  |  |  |  |
| Married | -0.43 | 0.2 |  |  |  |  |
| Previously Married | -0.31 | 0.4 |  |  |  |  |
| Refused | 9.6 | >0.9 |  |  |  |  |
| **born\_outside\_us** |  |  |  |  |  |  |
| Born in US | — |  |  |  |  |  |
| Refused | 9.8 | >0.9 |  |  |  |  |
| **poverty\_level\_category** |  |  |  |  |  |  |
| Poverty Index <= 1.3 | — |  |  |  |  |  |
| Poverty Index in (1.30, 1.85) | 0.20 | 0.4 |  |  |  |  |
| Poverty Index > 1.85 | 0.26 | 0.2 |  |  |  |  |
| Refused | -0.16 | 0.8 |  |  |  |  |
| Don't know | 0.06 | >0.9 |  |  |  |  |
| **ever\_received\_food\_stamps** |  |  |  |  |  |  |
| Yes | — |  |  |  |  |  |
| No | 0.53 | **0.009** |  |  |  |  |
| Refused | -1.0 | >0.9 |  |  |  |  |
| **worried\_house\_run\_out\_food** |  |  |  |  |  |  |
| Often True | — |  |  |  |  |  |
| Sometimes true | 1.2 | **<0.001** |  |  |  |  |
| Never true | 1.2 | **0.005** |  |  |  |  |
| Refused | 14 | >0.9 |  |  |  |  |
| **food\_ran\_out** |  |  |  |  |  |  |
| Often True |  |  |  |  |  |  |
| Sometimes true | -0.03 | >0.9 |  |  |  |  |
| Never true | 0.01 | >0.9 |  |  |  |  |
| **risk\_sum** |  |  |  |  |  |  |
| 0 | — |  | — |  | — |  |
| 1 | -0.34 | **0.034** | -0.54 | **<0.001** | -0.35 | **0.012** |
| 2 | -0.88 | **<0.001** | -0.78 | **<0.001** | -0.65 | **0.001** |
| 3 | 0.28 | 0.7 | 0.14 | 0.8 | 0.34 | 0.6 |
| **rfm** |  |  | 0.01 | 0.2 |  |  |
| **num\_healthcare\_visits** |  |  |  |  |  |  |
| None |  |  | — |  |  |  |
| 1 |  |  | -0.89 | 0.067 |  |  |
| 2 to 3 |  |  | -1.6 | **<0.001** |  |  |
| 4 to 9 |  |  | -2.4 | **<0.001** |  |  |
| 10 to 12 |  |  | -2.9 | **<0.001** |  |  |
| 13 or more |  |  | -2.7 | **<0.001** |  |  |
| Don't know |  |  | 8.5 | >0.9 |  |  |
| **health\_insurance** |  |  |  |  |  |  |
| Yes |  |  | — |  |  |  |
| Yes |  |  | — |  |  |  |
| No |  |  | 0.46 | **0.032** |  |  |
| Refused |  |  | -1.6 | 0.2 |  |  |
| Don't know |  |  | 10 | >0.9 |  |  |
| **religious\_attendance** |  |  |  |  |  |  |
| Less than Weekly |  |  |  |  | — |  |
| Weekly |  |  |  |  | -0.08 | 0.6 |
| More than Weekly |  |  |  |  | 0.11 | 0.6 |
| NA |  |  |  |  | 12 | >0.9 |
| *1* OR = Odds Ratio | | | | | | |

# **Stroke Models**

| **Characteristic** | Social Determinants | | Health and Behavior | | Religious Attendance | |
| --- | --- | --- | --- | --- | --- | --- |
| **log(OR)***1* | **p-value** | **log(OR)***1* | **p-value** | **log(OR)***1* | **p-value** |
| **gender** |  |  |  |  |  |  |
| Male | — |  |  |  |  |  |
| Female | 0.04 | 0.8 |  |  |  |  |
| **age** | -0.07 | **<0.001** |  |  |  |  |
| **ethnicity** |  |  |  |  |  |  |
| Non-Hispanic White | — |  |  |  |  |  |
| Hispanic | 0.27 | 0.4 |  |  |  |  |
| Non-Hispanic Black | -0.26 | 0.12 |  |  |  |  |
| Other | 0.35 | 0.6 |  |  |  |  |
| **education** |  |  |  |  |  |  |
| High School/GED | — |  |  |  |  |  |
| Less than High School | 0.09 | 0.6 |  |  |  |  |
| Some college | 0.18 | 0.4 |  |  |  |  |
| College Graduate or above | 0.39 | 0.12 |  |  |  |  |
| Refused | -8.8 | >0.9 |  |  |  |  |
| Don't Know | 14 | >0.9 |  |  |  |  |
| **marital\_status** |  |  |  |  |  |  |
| Never Married | — |  |  |  |  |  |
| Married | 0.04 | 0.9 |  |  |  |  |
| Previously Married | 0.05 | 0.9 |  |  |  |  |
| Refused | 13 | >0.9 |  |  |  |  |
| **born\_outside\_us** |  |  |  |  |  |  |
| Born in US | — |  |  |  |  |  |
| Refused | 12 | >0.9 |  |  |  |  |
| **poverty\_level\_category** |  |  |  |  |  |  |
| Poverty Index <= 1.3 | — |  |  |  |  |  |
| Poverty Index in (1.30, 1.85) | 0.37 | 0.086 |  |  |  |  |
| Poverty Index > 1.85 | 0.35 | 0.061 |  |  |  |  |
| Refused | 0.01 | >0.9 |  |  |  |  |
| Don't know | 15 | >0.9 |  |  |  |  |
| **ever\_received\_food\_stamps** |  |  |  |  |  |  |
| Yes | — |  |  |  |  |  |
| No | 0.61 | **0.002** |  |  |  |  |
| Refused | -1.2 | >0.9 |  |  |  |  |
| **worried\_house\_run\_out\_food** |  |  |  |  |  |  |
| Often True | — |  |  |  |  |  |
| Sometimes true | 0.25 | 0.5 |  |  |  |  |
| Never true | 0.10 | 0.8 |  |  |  |  |
| Refused | 15 | >0.9 |  |  |  |  |
| **food\_ran\_out** |  |  |  |  |  |  |
| Often True | — |  |  |  |  |  |
| Sometimes true | -0.78 | 0.088 |  |  |  |  |
| Never true | -0.14 | 0.8 |  |  |  |  |
| **risk\_sum** |  |  |  |  |  |  |
| 0 | — |  | — |  | — |  |
| 1 | -0.01 | >0.9 | -0.28 | 0.073 | 0.04 | 0.8 |
| 2 | -0.40 | 0.091 | -0.60 | **0.009** | -0.09 | 0.7 |
| 3 | 14 | >0.9 | 14 | >0.9 | 14 | >0.9 |
| **rfm** |  |  | -0.02 | 0.064 |  |  |
| **num\_healthcare\_visits** |  |  |  |  |  |  |
| None |  |  | — |  |  |  |
| 1 |  |  | -1.4 | **0.034** |  |  |
| 2 to 3 |  |  | -2.2 | **<0.001** |  |  |
| 4 to 9 |  |  | -2.6 | **<0.001** |  |  |
| 10 to 12 |  |  | -2.5 | **<0.001** |  |  |
| 13 or more |  |  | -3.2 | **<0.001** |  |  |
| Don't know |  |  | 12 | >0.9 |  |  |
| **health\_insurance** |  |  |  |  |  |  |
| Yes |  |  | — |  |  |  |
| Yes |  |  | — |  |  |  |
| No |  |  | 0.60 | **0.017** |  |  |
| Refused |  |  | -1.9 | 0.13 |  |  |
| Don't know |  |  | 14 | >0.9 |  |  |
| **religious\_attendance** |  |  |  |  |  |  |
| Less than Weekly |  |  |  |  | — |  |
| Weekly |  |  |  |  | -0.25 | 0.088 |
| More than Weekly |  |  |  |  | 0.29 | 0.2 |
| NA |  |  |  |  | 14 | >0.9 |
| *1* OR = Odds Ratio | | | | | | |