

**PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information****The SURVEYFREQ Procedure**

| Data Summary           |            |
|------------------------|------------|
| Number of Observations | 124521     |
| Sum of Weights         | 28246633.6 |

| Variance Estimation  |              |
|----------------------|--------------|
| Method               | Jackknife    |
| Replicate Weights    | CHISSEVERITY |
| Number of Replicates | 160          |

| Table of SRSEX by asthmaesc3 |                      |           |                    |                     |          |                    |
|------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| SRSEX                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Male                         | 1 Severe Asthmatic   | 267       | 61256              | 8968                | 0.2169   | 0.0317             |
|                              | 2 Standard Asthmatic | 3133      | 756490             | 27685               | 2.6782   | 0.0980             |
|                              | 3 Non-Asthmatic      | 48759     | 12966354           | 30372               | 45.9041  | 0.1068             |
|                              | Total                | 52159     | 13784100           | 5219                | 48.7991  | 0.0124             |
| Female                       | 1 Severe Asthmatic   | 828       | 176003             | 14287               | 0.6231   | 0.0506             |
|                              | 2 Standard Asthmatic | 7277      | 1285246            | 35087               | 4.5501   | 0.1242             |
|                              | 3 Non-Asthmatic      | 64257     | 13001284           | 39226               | 46.0277  | 0.1385             |
|                              | Total                | 72362     | 14462534           | 4218                | 51.2009  | 0.0124             |
| Total                        | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                              | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                              | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                              | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

| Rao-Scott Chi-Square Test |          |
|---------------------------|----------|
| Pearson Chi-Square        | 777.1216 |
| Design Correction         | 5.5166   |
|                           |          |
| Rao-Scott Chi-Square      | 140.8698 |
| DF                        | 2        |
| Pr > ChiSq                | <.0001   |
|                           |          |
| F Value                   | 70.4349  |
| Num DF                    | 2        |
| Den DF                    | 320      |
| Pr > F                    | <.0001   |
| Sample Size = 124521      |          |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of agegroup by asthmaesc3 |                      |           |                    |                     |          |                    |
|---------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| agegroup                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Young Adult (18-39)             | 1 Severe Asthmatic   | 187       | 83948              | 11497               | 0.2972   | 0.0407             |
|                                 | 2 Standard Asthmatic | 1913      | 800221             | 31498               | 2.8330   | 0.1116             |
|                                 | 3 Non-Asthmatic      | 23302     | 10687825           | 35812               | 37.8375  | 0.1265             |
|                                 | Total                | 25402     | 11571994           | 2267                | 40.9677  | 0.0108             |
| Middle Aged (40-64)             | 1 Severe Asthmatic   | 558       | 117036             | 11186               | 0.4143   | 0.0396             |
|                                 | 2 Standard Asthmatic | 4740      | 873139             | 25068               | 3.0911   | 0.0887             |
|                                 | 3 Non-Asthmatic      | 48958     | 11059042           | 28109               | 39.1517  | 0.0998             |
|                                 | Total                | 54256     | 12049216           | 2792                | 42.6572  | 0.0099             |
| Later Adult (65+)               | 1 Severe Asthmatic   | 350       | 36275              | 4818                | 0.1284   | 0.0171             |
|                                 | 2 Standard Asthmatic | 3757      | 368377             | 14884               | 1.3041   | 0.0527             |
|                                 | 3 Non-Asthmatic      | 40756     | 4220772            | 15880               | 14.9426  | 0.0555             |
|                                 | Total                | 44863     | 4625423            | 5389                | 16.3751  | 0.0161             |
| Total                           | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                 | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                 | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                 | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

| Rao-Scott Chi-Square Test |         |
|---------------------------|---------|
| Pearson Chi-Square        | 44.0204 |
| Design Correction         | 4.3656  |
|                           |         |
| Rao-Scott Chi-Square      | 10.0835 |
| DF                        | 4       |
| Pr > ChiSq                | 0.0390  |
|                           |         |
| F Value                   | 2.5209  |
| Num DF                    | 4       |
| Den DF                    | 640     |
| Pr > F                    | 0.0401  |
| Sample Size = 124521      |         |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of RACEDF_P1 by asthmaesc3 |                      |           |                    |                     |          |                    |
|----------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| RACEDF_P1                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Latino                           | 1 Severe Asthmatic   | 278       | 87416              | 11515               | 0.3095   | 0.0408             |
|                                  | 2 Standard Asthmatic | 1822      | 510150             | 23488               | 1.8061   | 0.0831             |
|                                  | 3 Non-Asthmatic      | 25590     | 9208477            | 26880               | 32.6003  | 0.0951             |
|                                  | Total                | 27690     | 9806044            | 3643                | 34.7158  | 0.0105             |
| Other                            | 1 Severe Asthmatic   | 4         | 290.28354          | 263.10696           | 0.0010   | 0.0009             |
|                                  | 2 Standard Asthmatic | 37        | 8885               | 3052                | 0.0315   | 0.0108             |
|                                  | 3 Non-Asthmatic      | 432       | 146945             | 11182               | 0.5202   | 0.0396             |
|                                  | Total                | 473       | 156121             | 11151               | 0.5527   | 0.0395             |
| American Indian / Alaska Native  | 1 Severe Asthmatic   | 22        | 2170               | 1007                | 0.0077   | 0.0036             |
|                                  | 2 Standard Asthmatic | 187       | 21600              | 2847                | 0.0765   | 0.0101             |
|                                  | 3 Non-Asthmatic      | 958       | 112134             | 2998                | 0.3970   | 0.0106             |
|                                  | Total                | 1167      | 135904             | 872.17537           | 0.4811   | 0.0031             |
| Asian                            | 1 Severe Asthmatic   | 50        | 15962              | 3945                | 0.0565   | 0.0140             |
|                                  | 2 Standard Asthmatic | 674       | 210491             | 18345               | 0.7452   | 0.0650             |
|                                  | 3 Non-Asthmatic      | 11282     | 3697977            | 20946               | 13.0917  | 0.0740             |
|                                  | Total                | 12006     | 3924430            | 7553                | 13.8934  | 0.0268             |
| African American                 | 1 Severe Asthmatic   | 157       | 46193              | 7105                | 0.1635   | 0.0252             |
|                                  | 2 Standard Asthmatic | 653       | 154003             | 9907                | 0.5452   | 0.0351             |
|                                  | 3 Non-Asthmatic      | 5154      | 1381454            | 12452               | 4.8907   | 0.0441             |
|                                  | Total                | 5964      | 1581649            | 1805                | 5.5994   | 0.0063             |
| White                            | 1 Severe Asthmatic   | 532       | 77684              | 6925                | 0.2750   | 0.0245             |
|                                  | 2 Standard Asthmatic | 6662      | 1067262            | 26310               | 3.7784   | 0.0931             |
|                                  | 3 Non-Asthmatic      | 67303     | 10947715           | 28508               | 38.7576  | 0.1014             |
|                                  | Total                | 74497     | 12092661           | 8954                | 42.8110  | 0.0315             |
| Multiracial                      | 1 Severe Asthmatic   | 52        | 7544               | 2034                | 0.0267   | 0.0072             |
|                                  | 2 Standard Asthmatic | 375       | 69344              | 7270                | 0.2455   | 0.0257             |
|                                  | 3 Non-Asthmatic      | 2297      | 472936             | 9154                | 1.6743   | 0.0323             |
|                                  | Total                | 2724      | 549824             | 5483                | 1.9465   | 0.0193             |
| Total                            | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                  | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                  | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                  | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

Table of RACEDF\_P1 by asthmaesc3

| Rao-Scott Chi-Square Test |           |
|---------------------------|-----------|
| Pearson Chi-Square        | 1250.1148 |
| Design Correction         | 3.7070    |
|                           |           |
| Rao-Scott Chi-Square      | 337.2293  |
| DF                        | 12        |
| Pr > ChiSq                | <.0001    |
|                           |           |
| F Value                   | 28.1024   |
| Num DF                    | 12        |
| Den DF                    | 1920      |
| Pr > F                    | <.0001    |
| Sample Size = 124521      |           |

| Table of AH33NEW by asthmaesc3 |                      |           |                    |                     |          |                    |
|--------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| AH33NEW                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Born in U.S.                   | 1 Severe Asthmatic   | 887       | 180421             | 13916               | 0.6387   | 0.0493             |
|                                | 2 Standard Asthmatic | 8974      | 1676087            | 38493               | 5.9338   | 0.1363             |
|                                | 3 Non-Asthmatic      | 84069     | 16833195           | 68800               | 59.5936  | 0.2422             |
|                                | Total                | 93930     | 18689704           | 58245               | 66.1661  | 0.2048             |
| Born Outside U.S.              | 1 Severe Asthmatic   | 208       | 56838              | 9032                | 0.2012   | 0.0320             |
|                                | 2 Standard Asthmatic | 1436      | 365649             | 21200               | 1.2945   | 0.0750             |
|                                | 3 Non-Asthmatic      | 28947     | 9134443            | 62080               | 32.3382  | 0.2202             |
|                                | Total                | 30591     | 9556930            | 57751               | 33.8339  | 0.2048             |
| Total                          | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

Table of AH33NEW by asthmaesc3

| Rao-Scott Chi-Square Test |           |
|---------------------------|-----------|
| Pearson Chi-Square        | 1157.3928 |
| Design Correction         | 5.8787    |
|                           |           |
| Rao-Scott Chi-Square      | 196.8781  |
| DF                        | 2         |
| Pr > ChiSq                | <.0001    |
|                           |           |
| F Value                   | 98.4391   |
| Num DF                    | 2         |
| Den DF                    | 320       |
| Pr > F                    | <.0001    |
| Sample Size = 124521      |           |

| Table of AH34NEW by asthmaesc3 |                      |           |                    |                     |          |                    |
|--------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| AH34NEW                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Inapplicable                   | 1 Severe Asthmatic   | 214       | 57308              | 9020                | 0.2029   | 0.0319             |
|                                | 2 Standard Asthmatic | 1455      | 368312             | 21412               | 1.3039   | 0.0758             |
|                                | 3 Non-Asthmatic      | 29118     | 9180401            | 62449               | 32.5009  | 0.2214             |
|                                | Total                | 30787     | 9606021            | 58321               | 34.0077  | 0.2067             |
| Born in U.S.                   | 1 Severe Asthmatic   | 780       | 145369             | 11339               | 0.5146   | 0.0401             |
|                                | 2 Standard Asthmatic | 7959      | 1411009            | 31746               | 4.9953   | 0.1124             |
|                                | 3 Non-Asthmatic      | 71370     | 12906562           | 64277               | 45.6924  | 0.2271             |
|                                | Total                | 80109     | 14462940           | 56793               | 51.2023  | 0.2006             |
| Born Outside U.S.              | 1 Severe Asthmatic   | 101       | 34582              | 7593                | 0.1224   | 0.0269             |
|                                | 2 Standard Asthmatic | 996       | 262415             | 17388               | 0.9290   | 0.0616             |
|                                | 3 Non-Asthmatic      | 12528     | 3880675            | 56683               | 13.7385  | 0.2005             |
|                                | Total                | 13625     | 4177673            | 55237               | 14.7900  | 0.1954             |
| Total                          | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

Table of AH34NEW by asthmaesc3

| Rao-Scott Chi-Square Test |           |
|---------------------------|-----------|
| Pearson Chi-Square        | 1425.0158 |
| Design Correction         | 5.7535    |
|                           |           |
| Rao-Scott Chi-Square      | 247.6765  |
| DF                        | 4         |
| Pr > ChiSq                | <.0001    |
|                           |           |
| F Value                   | 61.9191   |
| Num DF                    | 4         |
| Den DF                    | 640       |
| Pr > F                    | <.0001    |
| Sample Size = 124521      |           |

| Table of AH35NEW by asthmaesc3 |                      |           |                    |                     |          |                    |
|--------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| AH35NEW                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Inapplicable                   | 1 Severe Asthmatic   | 214       | 57308              | 9020                | 0.2029   | 0.0319             |
|                                | 2 Standard Asthmatic | 1455      | 368312             | 21412               | 1.3039   | 0.0758             |
|                                | 3 Non-Asthmatic      | 29118     | 9180401            | 62449               | 32.5009  | 0.2214             |
|                                | Total                | 30787     | 9606021            | 58321               | 34.0077  | 0.2067             |
| Born in U.S.                   | 1 Severe Asthmatic   | 766       | 144218             | 11126               | 0.5106   | 0.0394             |
|                                | 2 Standard Asthmatic | 7788      | 1370829            | 33279               | 4.8531   | 0.1177             |
|                                | 3 Non-Asthmatic      | 70167     | 12678993           | 66057               | 44.8867  | 0.2336             |
|                                | Total                | 78721     | 14194039           | 61626               | 50.2504  | 0.2173             |
| Born Outside U.S.              | 1 Severe Asthmatic   | 115       | 35734              | 7947                | 0.1265   | 0.0281             |
|                                | 2 Standard Asthmatic | 1167      | 302595             | 18942               | 1.0713   | 0.0671             |
|                                | 3 Non-Asthmatic      | 13731     | 4108245            | 61389               | 14.5442  | 0.2171             |
|                                | Total                | 15013     | 4446573            | 60248               | 15.7420  | 0.2133             |
| Total                          | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

Table of AH35NEW by asthmaesc3

| Rao-Scott Chi-Square Test |           |
|---------------------------|-----------|
| Pearson Chi-Square        | 1351.5795 |
| Design Correction         | 5.9567    |
|                           |           |
| Rao-Scott Chi-Square      | 226.9017  |
| DF                        | 4         |
| Pr > ChiSq                | <.0001    |
|                           |           |
| F Value                   | 56.7254   |
| Num DF                    | 4         |
| Den DF                    | 640       |
| Pr > F                    | <.0001    |
| Sample Size = 124521      |           |

| Table of CITIZEN2 by asthmaesc3 |                      |           |                    |                     |          |                    |
|---------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| CITIZEN2                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| US-Born Citizen                 | 1 Severe Asthmatic   | 887       | 180421             | 13916               | 0.6387   | 0.0493             |
|                                 | 2 Standard Asthmatic | 8974      | 1676087            | 38493               | 5.9338   | 0.1363             |
|                                 | 3 Non-Asthmatic      | 84069     | 16833195           | 68800               | 59.5936  | 0.2422             |
|                                 | Total                | 93930     | 18689704           | 58245               | 66.1661  | 0.2048             |
| Naturalized Citizen             | 1 Severe Asthmatic   | 130       | 30645              | 5306                | 0.1085   | 0.0188             |
|                                 | 2 Standard Asthmatic | 1003      | 226340             | 17344               | 0.8013   | 0.0614             |
|                                 | 3 Non-Asthmatic      | 17526     | 4716395            | 61498               | 16.6972  | 0.2177             |
|                                 | Total                | 18659     | 4973380            | 61062               | 17.6070  | 0.2160             |
| Non-Citizen                     | 1 Severe Asthmatic   | 78        | 26192              | 7210                | 0.0927   | 0.0255             |
|                                 | 2 Standard Asthmatic | 433       | 139309             | 11888               | 0.4932   | 0.0421             |
|                                 | 3 Non-Asthmatic      | 11421     | 4418048            | 59912               | 15.6410  | 0.2124             |
|                                 | Total                | 11932     | 4583550            | 57865               | 16.2269  | 0.2052             |
| Total                           | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                 | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                 | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                 | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

**PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information****The SURVEYFREQ Procedure****Table of CITIZEN2 by asthmaesc3**

| Rao-Scott Chi-Square Test |           |
|---------------------------|-----------|
| Pearson Chi-Square        | 1193.6575 |
| Design Correction         | 5.8525    |
|                           |           |
| Rao-Scott Chi-Square      | 203.9557  |
| DF                        | 4         |
| Pr > ChiSq                | <.0001    |
|                           |           |
| F Value                   | 50.9889   |
| Num DF                    | 4         |
| Den DF                    | 640       |
| Pr > F                    | <.0001    |
| Sample Size = 124521      |           |



## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of YRUS_P1 by asthmaesc3 |                      |           |                    |                     |          |                    |
|--------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| YRUS_P1                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Inapplicable                   | 1 Severe Asthmatic   | 887       | 180421             | 13916               | 0.6387   | 0.0493             |
|                                | 2 Standard Asthmatic | 8974      | 1676087            | 38493               | 5.9338   | 0.1363             |
|                                | 3 Non-Asthmatic      | 84069     | 16833195           | 68800               | 59.5936  | 0.2422             |
|                                | Total                | 93930     | 18689704           | 58245               | 66.1661  | 0.2048             |
| <5 Years                       | 1 Severe Asthmatic   | 3         | 1789               | 1444                | 0.0063   | 0.0051             |
|                                | 2 Standard Asthmatic | 38        | 14531              | 4856                | 0.0514   | 0.0172             |
|                                | 3 Non-Asthmatic      | 1289      | 613221             | 31972               | 2.1710   | 0.1132             |
|                                | Total                | 1330      | 629541             | 31779               | 2.2287   | 0.1126             |
| 5-9 Years                      | 1 Severe Asthmatic   | 7         | 2390               | 1726                | 0.0085   | 0.0061             |
|                                | 2 Standard Asthmatic | 58        | 28232              | 6973                | 0.0999   | 0.0247             |
|                                | 3 Non-Asthmatic      | 1982      | 866014             | 33550               | 3.0659   | 0.1189             |
|                                | Total                | 2047      | 896636             | 33576               | 3.1743   | 0.1190             |
| 10-14 Years                    | 1 Severe Asthmatic   | 18        | 4759               | 1862                | 0.0168   | 0.0066             |
|                                | 2 Standard Asthmatic | 107       | 37916              | 6785                | 0.1342   | 0.0240             |
|                                | 3 Non-Asthmatic      | 3293      | 1269365            | 34160               | 4.4939   | 0.1208             |
|                                | Total                | 3418      | 1312040            | 34274               | 4.6449   | 0.1212             |
| 15-19 Years                    | 1 Severe Asthmatic   | 180       | 47900              | 8631                | 0.1696   | 0.0306             |
|                                | 2 Standard Asthmatic | 1233      | 284969             | 18799               | 1.0089   | 0.0665             |
|                                | 3 Non-Asthmatic      | 22383     | 6385843            | 64001               | 22.6074  | 0.2266             |
|                                | Total                | 23796     | 6718712            | 61134               | 23.7859  | 0.2163             |
| Total                          | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

**PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information****The SURVEYFREQ Procedure****Table of YRUS\_P1 by asthmaesc3**

| Rao-Scott Chi-Square Test |           |
|---------------------------|-----------|
| Pearson Chi-Square        | 1202.9389 |
| Design Correction         | 5.8629    |
|                           |           |
| Rao-Scott Chi-Square      | 205.1783  |
| DF                        | 8         |
| Pr > ChiSq                | <.0001    |
|                           |           |
| F Value                   | 25.6473   |
| Num DF                    | 8         |
| Den DF                    | 1280      |
| Pr > F                    | <.0001    |
| Sample Size = 124521      |           |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of PCTLF_P by asthmaesc3 |                      |           |                    |                     |          |                    |
|--------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| PCTLF_P                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| 0-20                           | 1 Severe Asthmatic   | 13        | 4377               | 2207                | 0.0155   | 0.0078             |
|                                | 2 Standard Asthmatic | 93        | 29726              | 6208                | 0.1052   | 0.0220             |
|                                | 3 Non-Asthmatic      | 2836      | 1133908            | 40566               | 4.0143   | 0.1437             |
|                                | Total                | 2942      | 1168011            | 40266               | 4.1350   | 0.1427             |
| 21-40                          | 1 Severe Asthmatic   | 49        | 10582              | 3741                | 0.0375   | 0.0132             |
|                                | 2 Standard Asthmatic | 301       | 70660              | 8656                | 0.2502   | 0.0306             |
|                                | 3 Non-Asthmatic      | 6731      | 2135744            | 49736               | 7.5611   | 0.1760             |
|                                | Total                | 7081      | 2216985            | 51020               | 7.8487   | 0.1806             |
| 41-60                          | 1 Severe Asthmatic   | 61        | 17629              | 4562                | 0.0624   | 0.0161             |
|                                | 2 Standard Asthmatic | 445       | 115306             | 11931               | 0.4082   | 0.0422             |
|                                | 3 Non-Asthmatic      | 9431      | 2946730            | 55717               | 10.4321  | 0.1972             |
|                                | Total                | 9937      | 3079665            | 55890               | 10.9028  | 0.1978             |
| 61-80                          | 1 Severe Asthmatic   | 47        | 13589              | 5882                | 0.0481   | 0.0208             |
|                                | 2 Standard Asthmatic | 356       | 80608              | 10077               | 0.2854   | 0.0357             |
|                                | 3 Non-Asthmatic      | 6443      | 1868621            | 48905               | 6.6154   | 0.1731             |
|                                | Total                | 6846      | 1962817            | 50715               | 6.9489   | 0.1795             |
| 81+                            | 1 Severe Asthmatic   | 925       | 191083             | 14219               | 0.6765   | 0.0503             |
|                                | 2 Standard Asthmatic | 9215      | 1745437            | 38242               | 6.1793   | 0.1354             |
|                                | 3 Non-Asthmatic      | 87575     | 17882635           | 72690               | 63.3089  | 0.2563             |
|                                | Total                | 97715     | 19819156           | 62711               | 70.1647  | 0.2208             |
| Total                          | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

**PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information****The SURVEYFREQ Procedure****Table of PCTLF\_P by asthmaesc3**

| Rao-Scott Chi-Square Test |           |
|---------------------------|-----------|
| Pearson Chi-Square        | 1175.1685 |
| Design Correction         | 6.0250    |
|                           |           |
| Rao-Scott Chi-Square      | 195.0484  |
| DF                        | 8         |
| Pr > ChiSq                | <.0001    |
|                           |           |
| F Value                   | 24.3811   |
| Num DF                    | 8         |
| Den DF                    | 1280      |
| Pr > F                    | <.0001    |
| Sample Size = 124521      |           |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of prilanguage by asthmaesc3 |                      |           |                    |                     |          |                    |
|------------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| prilanguage                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| English (Includes English & Other) | 1 Severe Asthmatic   | 974       | 206727             | 14817               | 0.7319   | 0.0525             |
|                                    | 2 Standard Asthmatic | 9673      | 1885008            | 41301               | 6.6734   | 0.1462             |
|                                    | 3 Non-Asthmatic      | 99237     | 21757503           | 68528               | 77.0269  | 0.2405             |
|                                    | Total                | 109884    | 23849238           | 57107               | 84.4321  | 0.1995             |
| Spanish                            | 1 Severe Asthmatic   | 70        | 19408              | 5719                | 0.0687   | 0.0202             |
|                                    | 2 Standard Asthmatic | 357       | 92090              | 9488                | 0.3260   | 0.0336             |
|                                    | 3 Non-Asthmatic      | 7482      | 2582046            | 48695               | 9.1411   | 0.1727             |
|                                    | Total                | 7909      | 2693544            | 46559               | 9.5358   | 0.1651             |
| Chinese                            | 1 Severe Asthmatic   | 5         | 744.89751          | 412.33627           | 0.0026   | 0.0015             |
|                                    | 2 Standard Asthmatic | 38        | 6017               | 1729                | 0.0213   | 0.0061             |
|                                    | 3 Non-Asthmatic      | 1225      | 338764             | 18046               | 1.1993   | 0.0639             |
|                                    | Total                | 1268      | 345526             | 18386               | 1.2232   | 0.0651             |
| Vietnamese                         | 1 Severe Asthmatic   | 8         | 741.33782          | 611.54897           | 0.0026   | 0.0022             |
|                                    | 2 Standard Asthmatic | 93        | 12085              | 3628                | 0.0428   | 0.0128             |
|                                    | 3 Non-Asthmatic      | 1153      | 202716             | 11416               | 0.7177   | 0.0404             |
|                                    | Total                | 1254      | 215542             | 11820               | 0.7631   | 0.0418             |
| Korean                             | 1 Severe Asthmatic   | 4         | 130.72992          | 79.87177            | 0.0005   | 0.0003             |
|                                    | 2 Standard Asthmatic | 47        | 5030               | 1521                | 0.0178   | 0.0054             |
|                                    | 3 Non-Asthmatic      | 870       | 149467             | 11714               | 0.5292   | 0.0415             |
|                                    | Total                | 921       | 154628             | 11596               | 0.5474   | 0.0410             |
| Other                              | 1 Severe Asthmatic   | 34        | 9507               | 3213                | 0.0337   | 0.0114             |
|                                    | 2 Standard Asthmatic | 202       | 41506              | 6245                | 0.1469   | 0.0221             |
|                                    | 3 Non-Asthmatic      | 3049      | 937142             | 32273               | 3.3177   | 0.1143             |
|                                    | Total                | 3285      | 988156             | 32626               | 3.4983   | 0.1155             |
| Total                              | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                    | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                    | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                    | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

**PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information****The SURVEYFREQ Procedure****Table of prilanguage by asthmaesc3**

| Rao-Scott Chi-Square Test |          |
|---------------------------|----------|
| Pearson Chi-Square        | 497.8857 |
| Design Correction         | 3.3537   |
|                           |          |
| Rao-Scott Chi-Square      | 148.4592 |
| DF                        | 10       |
| Pr > ChiSq                | <.0001   |
|                           |          |
| F Value                   | 14.8459  |
| Num DF                    | 10       |
| Den DF                    | 1600     |
| Pr > F                    | <.0001   |
| Sample Size = 124521      |          |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of AH37 by asthmaesc3 |                      |           |                    |                     |          |                    |
|-----------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| AH37                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Inapplicable                | 1 Severe Asthmatic   | 775       | 142175             | 10734               | 0.5033   | 0.0380             |
|                             | 2 Standard Asthmatic | 8087      | 1451122            | 34350               | 5.1373   | 0.1215             |
|                             | 3 Non-Asthmatic      | 76626     | 13932255           | 74419               | 49.3236  | 0.2625             |
|                             | Total                | 85488     | 15525552           | 70990               | 54.9643  | 0.2497             |
| Very Well                   | 1 Severe Asthmatic   | 134       | 46195              | 7089                | 0.1635   | 0.0251             |
|                             | 2 Standard Asthmatic | 1225      | 331744             | 20803               | 1.1745   | 0.0737             |
|                             | 3 Non-Asthmatic      | 14108     | 4758417            | 62379               | 16.8460  | 0.2210             |
|                             | Total                | 15467     | 5136355            | 61061               | 18.1840  | 0.2166             |
| Well                        | 1 Severe Asthmatic   | 64        | 17189              | 5649                | 0.0609   | 0.0200             |
|                             | 2 Standard Asthmatic | 442       | 116652             | 10756               | 0.4130   | 0.0381             |
|                             | 3 Non-Asthmatic      | 9028      | 3047574            | 56055               | 10.7892  | 0.1985             |
|                             | Total                | 9534      | 3181415            | 55921               | 11.2630  | 0.1980             |
| Not Well                    | 1 Severe Asthmatic   | 72        | 24016              | 6896                | 0.0850   | 0.0244             |
|                             | 2 Standard Asthmatic | 422       | 96167              | 9945                | 0.3405   | 0.0352             |
|                             | 3 Non-Asthmatic      | 8622      | 2860641            | 54848               | 10.1274  | 0.1941             |
|                             | Total                | 9116      | 2980824            | 53294               | 10.5528  | 0.1886             |
| Not at All                  | 1 Severe Asthmatic   | 50        | 7685               | 2662                | 0.0272   | 0.0094             |
|                             | 2 Standard Asthmatic | 234       | 46050              | 6245                | 0.1630   | 0.0221             |
|                             | 3 Non-Asthmatic      | 4632      | 1368752            | 40428               | 4.8457   | 0.1431             |
|                             | Total                | 4916      | 1422487            | 40086               | 5.0360   | 0.1419             |
| Total                       | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                             | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                             | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                             | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

## Table of AH37 by asthmaesc3

| Rao-Scott Chi-Square Test |           |
|---------------------------|-----------|
| Pearson Chi-Square        | 1242.1366 |
| Design Correction         | 5.4497    |
|                           |           |
| Rao-Scott Chi-Square      | 227.9277  |
| DF                        | 8         |
| Pr > ChiSq                | <.0001    |
|                           |           |
| F Value                   | 28.4910   |
| Num DF                    | 8         |
| Den DF                    | 1280      |
| Pr > F                    | <.0001    |
| Sample Size = 124521      |           |

| Table of maritstat by asthmaesc3 |                      |           |                    |                     |          |                    |
|----------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| maritstat                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Married/Partnered                | 1 Severe Asthmatic   | 428       | 119493             | 11999               | 0.4230   | 0.0425             |
|                                  | 2 Standard Asthmatic | 5073      | 1084807            | 31816               | 3.8405   | 0.1127             |
|                                  | 3 Non-Asthmatic      | 60777     | 15000399           | 72715               | 53.1051  | 0.2573             |
|                                  | Total                | 66278     | 16204700           | 74560               | 57.3686  | 0.2639             |
| Widowed/Separated                | 1 Severe Asthmatic   | 447       | 54770              | 6119                | 0.1939   | 0.0217             |
|                                  | 2 Standard Asthmatic | 3456      | 390473             | 17385               | 1.3824   | 0.0615             |
|                                  | 3 Non-Asthmatic      | 31717     | 4104969            | 60322               | 14.5326  | 0.2137             |
|                                  | Total                | 35620     | 4550212            | 59008               | 16.1089  | 0.2089             |
| Never Married                    | 1 Severe Asthmatic   | 220       | 62996              | 8345                | 0.2230   | 0.0295             |
|                                  | 2 Standard Asthmatic | 1881      | 566457             | 23808               | 2.0054   | 0.0843             |
|                                  | 3 Non-Asthmatic      | 20522     | 6862270            | 61986               | 24.2941  | 0.2191             |
|                                  | Total                | 22623     | 7491722            | 59892               | 26.5225  | 0.2117             |
| Total                            | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                  | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                  | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                  | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |



**PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information****The SURVEYFREQ Procedure****Table of maritstat by asthmaesc3**

| Rao-Scott Chi-Square Test |          |
|---------------------------|----------|
| Pearson Chi-Square        | 134.5581 |
| Design Correction         | 4.1725   |
|                           |          |
| Rao-Scott Chi-Square      | 32.2490  |
| DF                        | 4        |
| Pr > ChiSq                | <.0001   |
|                           |          |
| F Value                   | 8.0622   |
| Num DF                    | 4        |
| Den DF                    | 640      |
| Pr > F                    | <.0001   |
| Sample Size = 124521      |          |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of famtype by asthmaesc3 |                      |           |                    |                     |          |                    |
|--------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| famtype                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Single w/o Children            | 1 Severe Asthmatic   | 646       | 115040             | 9708                | 0.4073   | 0.0344             |
|                                | 2 Standard Asthmatic | 5233      | 949754             | 27553               | 3.3624   | 0.0975             |
|                                | 3 Non-Asthmatic      | 52302     | 10916956           | 72021               | 38.6487  | 0.2542             |
|                                | Total                | 58181     | 11981749           | 69087               | 42.4183  | 0.2437             |
| Single w/ Children             | 1 Severe Asthmatic   | 100       | 27559              | 5642                | 0.0976   | 0.0200             |
|                                | 2 Standard Asthmatic | 633       | 159738             | 13126               | 0.5655   | 0.0465             |
|                                | 3 Non-Asthmatic      | 5431      | 1598706            | 40773               | 5.6598   | 0.1443             |
|                                | Total                | 6164      | 1786003            | 43685               | 6.3229   | 0.1546             |
| Married w/o Children           | 1 Severe Asthmatic   | 227       | 47334              | 7448                | 0.1676   | 0.0264             |
|                                | 2 Standard Asthmatic | 3232      | 562879             | 19738               | 1.9927   | 0.0699             |
|                                | 3 Non-Asthmatic      | 36270     | 6841170            | 61450               | 24.2194  | 0.2181             |
|                                | Total                | 39729     | 7451383            | 60895               | 26.3797  | 0.2163             |
| Married w/ Children            | 1 Severe Asthmatic   | 122       | 47326              | 8421                | 0.1675   | 0.0298             |
|                                | 2 Standard Asthmatic | 1312      | 369366             | 20895               | 1.3076   | 0.0740             |
|                                | 3 Non-Asthmatic      | 19013     | 6610807            | 67379               | 23.4039  | 0.2384             |
|                                | Total                | 20447     | 7027498            | 66940               | 24.8791  | 0.2368             |
| Total                          | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

| Rao-Scott Chi-Square Test |          |
|---------------------------|----------|
| Pearson Chi-Square        | 345.6044 |
| Design Correction         | 4.7178   |
|                           |          |
| Rao-Scott Chi-Square      | 73.2559  |
| DF                        | 6        |
| Pr > ChiSq                | <.0001   |
|                           |          |
| F Value                   | 12.2093  |
| Num DF                    | 6        |
| Den DF                    | 960      |
| Pr > F                    | <.0001   |
| Sample Size = 124521      |          |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of SRTENR by asthmaesc3 |                      |           |                    |                     |          |                    |
|-------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| SRTENR                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Own                           | 1 Severe Asthmatic   | 431       | 107374             | 12344               | 0.3801   | 0.0437             |
|                               | 2 Standard Asthmatic | 6379      | 1182993            | 32474               | 4.1881   | 0.1150             |
|                               | 3 Non-Asthmatic      | 72235     | 14859984           | 36251               | 52.6080  | 0.1271             |
|                               | Total                | 79045     | 16150351           | 5143                | 57.1762  | 0.0114             |
| Rent/Other                    | 1 Severe Asthmatic   | 664       | 129885             | 10344               | 0.4598   | 0.0366             |
|                               | 2 Standard Asthmatic | 4031      | 858743             | 29371               | 3.0402   | 0.1039             |
|                               | 3 Non-Asthmatic      | 40781     | 11107655           | 31904               | 39.3238  | 0.1130             |
|                               | Total                | 45476     | 12096283           | 4001                | 42.8238  | 0.0114             |
| Total                         | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                               | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                               | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                               | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

| Rao-Scott Chi-Square Test |         |
|---------------------------|---------|
| Pearson Chi-Square        | 62.9535 |
| Design Correction         | 4.8240  |
|                           |         |
| Rao-Scott Chi-Square      | 13.0501 |
| DF                        | 2       |
| Pr > ChiSq                | 0.0015  |
|                           |         |
| F Value                   | 6.5251  |
| Num DF                    | 2       |
| Den DF                    | 320     |
| Pr > F                    | 0.0017  |
| Sample Size = 124521      |         |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of AHEDC_P1 by asthmaesc3 |                      |           |                    |                     |         |                    |
|---------------------------------|----------------------|-----------|--------------------|---------------------|---------|--------------------|
| AHEDC_P1                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent | Std Err of Percent |
| None / Primary School           | 1 Severe Asthmatic   | 93        | 19952              | 3861                | 0.0706  | 0.0137             |
|                                 | 2 Standard Asthmatic | 480       | 101635             | 10493               | 0.3598  | 0.0372             |
|                                 | 3 Non-Asthmatic      | 7440      | 2435777            | 41306               | 8.6232  | 0.1462             |
|                                 | Total                | 8013      | 2557364            | 39887               | 9.0537  | 0.1413             |
| High School, Partial            | 1 Severe Asthmatic   | 110       | 26688              | 5358                | 0.0945  | 0.0190             |
|                                 | 2 Standard Asthmatic | 567       | 127494             | 11728               | 0.4514  | 0.0415             |
|                                 | 3 Non-Asthmatic      | 5268      | 1837636            | 38794               | 6.5057  | 0.1373             |
|                                 | Total                | 5945      | 1991818            | 40249               | 7.0515  | 0.1424             |
| High School, Graduate           | 1 Severe Asthmatic   | 294       | 54982              | 8035                | 0.1946  | 0.0284             |
|                                 | 2 Standard Asthmatic | 2254      | 471829             | 19888               | 1.6704  | 0.0704             |
|                                 | 3 Non-Asthmatic      | 25240     | 6092394            | 22393               | 21.5686 | 0.0790             |
|                                 | Total                | 27788     | 6619205            | 7230                | 23.4336 | 0.0236             |
| College, Partial                | 1 Severe Asthmatic   | 212       | 53491              | 8717                | 0.1894  | 0.0309             |
|                                 | 2 Standard Asthmatic | 1822      | 348192             | 17721               | 1.2327  | 0.0627             |
|                                 | 3 Non-Asthmatic      | 17659     | 3654336            | 55848               | 12.9372 | 0.1981             |
|                                 | Total                | 19693     | 4056019            | 55783               | 14.3593 | 0.1978             |
| Vocational School               | 1 Severe Asthmatic   | 37        | 8367               | 2361                | 0.0296  | 0.0084             |
|                                 | 2 Standard Asthmatic | 345       | 60780              | 7492                | 0.2152  | 0.0265             |
|                                 | 3 Non-Asthmatic      | 3351      | 751666             | 27155               | 2.6611  | 0.0961             |
|                                 | Total                | 3733      | 820813             | 27812               | 2.9059  | 0.0984             |
| Associates Degree               | 1 Severe Asthmatic   | 92        | 20521              | 3929                | 0.0726  | 0.0139             |
|                                 | 2 Standard Asthmatic | 1009      | 196209             | 13463               | 0.6946  | 0.0477             |
|                                 | 3 Non-Asthmatic      | 9247      | 1909735            | 44085               | 6.7609  | 0.1559             |
|                                 | Total                | 10348     | 2126465            | 43281               | 7.5282  | 0.1530             |
| Bachelors Degree                | 1 Severe Asthmatic   | 162       | 35158              | 6282                | 0.1245  | 0.0222             |
|                                 | 2 Standard Asthmatic | 2299      | 488162             | 22277               | 1.7282  | 0.0788             |
|                                 | 3 Non-Asthmatic      | 26649     | 5946919            | 59659               | 21.0535 | 0.2115             |
|                                 | Total                | 29110     | 6470239            | 58586               | 22.9062 | 0.2075             |
| Masters Degree                  | 1 Severe Asthmatic   | 76        | 13466              | 3188                | 0.0477  | 0.0113             |
|                                 | 2 Standard Asthmatic | 1232      | 185582             | 10277               | 0.6570  | 0.0364             |
|                                 | 3 Non-Asthmatic      | 13190     | 2457481            | 40300               | 8.7001  | 0.1425             |
|                                 | Total                | 14498     | 2656530            | 41009               | 9.4048  | 0.1450             |
| Doctorate Degree                | 1 Severe Asthmatic   | 19        | 4635               | 3218                | 0.0164  | 0.0114             |
|                                 | 2 Standard Asthmatic | 402       | 61853              | 6266                | 0.2190  | 0.0222             |
|                                 | 3 Non-Asthmatic      | 4972      | 881694             | 30033               | 3.1214  | 0.1063             |
|                                 | Total                | 5393      | 948181             | 29433               | 3.3568  | 0.1042             |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of AHEDC_P1 by asthmaesc3 |                      |           |                    |                     |          |                    |
|---------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| AHEDC_P1                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Total                           | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                 | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                 | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                 | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

| Rao-Scott Chi-Square Test |          |
|---------------------------|----------|
| Pearson Chi-Square        | 434.9092 |
| Design Correction         | 4.5231   |
|                           |          |
| Rao-Scott Chi-Square      | 96.1536  |
| DF                        | 16       |
| Pr > ChiSq                | <.0001   |
|                           |          |
| F Value                   | 6.0096   |
| Num DF                    | 16       |
| Den DF                    | 2560     |
| Pr > F                    | <.0001   |
| Sample Size = 124521      |          |

| Table of AG22 by asthmaesc3 |                      |           |                    |                     |          |                    |
|-----------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| AG22                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Yes                         | 1 Severe Asthmatic   | 91        | 12413              | 2995                | 0.0439   | 0.0106             |
|                             | 2 Standard Asthmatic | 866       | 121887             | 9152                | 0.4315   | 0.0324             |
|                             | 3 Non-Asthmatic      | 13251     | 1949249            | 35923               | 6.9008   | 0.1274             |
|                             | Total                | 14208     | 2083549            | 37937               | 7.3763   | 0.1346             |
| No                          | 1 Severe Asthmatic   | 1004      | 224846             | 15911               | 0.7960   | 0.0563             |
|                             | 2 Standard Asthmatic | 9544      | 1919849            | 41741               | 6.7967   | 0.1478             |
|                             | 3 Non-Asthmatic      | 99765     | 24018390           | 62437               | 85.0310  | 0.2181             |
|                             | Total                | 110313    | 26163085           | 39436               | 92.6237  | 0.1346             |
| Total                       | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                             | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                             | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                             | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

**PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information****The SURVEYFREQ Procedure****Table of AG22 by asthmaesc3**

| Rao-Scott Chi-Square Test |         |
|---------------------------|---------|
| Pearson Chi-Square        | 35.9411 |
| Design Correction         | 3.0642  |
|                           |         |
| Rao-Scott Chi-Square      | 11.7295 |
| DF                        | 2       |
| Pr > ChiSq                | 0.0028  |
|                           |         |
| F Value                   | 5.8648  |
| Num DF                    | 2       |
| Den DF                    | 320     |
| Pr > F                    | 0.0032  |
| Sample Size = 124521      |         |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of SERVED by asthmaesc3 |                      |           |                    |                     |          |                    |
|-------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| SERVED                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Inapplicable                  | 1 Severe Asthmatic   | 1004      | 224846             | 15911               | 0.7960   | 0.0563             |
|                               | 2 Standard Asthmatic | 9544      | 1919849            | 41741               | 6.7967   | 0.1478             |
|                               | 3 Non-Asthmatic      | 99773     | 24021551           | 62374               | 85.0422  | 0.2178             |
|                               | Total                | 110321    | 26166246           | 39329               | 92.6349  | 0.1342             |
| <0.5 Years                    | 1 Severe Asthmatic   | 4         | 288.61908          | 236.55139           | 0.0010   | 0.0008             |
|                               | 2 Standard Asthmatic | 27        | 2446               | 994.04976           | 0.0087   | 0.0035             |
|                               | 3 Non-Asthmatic      | 347       | 56114              | 10495               | 0.1987   | 0.0372             |
|                               | Total                | 378       | 58849              | 10550               | 0.2083   | 0.0374             |
| 0.5 - 2 Years                 | 1 Severe Asthmatic   | 21        | 3229               | 1620                | 0.0114   | 0.0057             |
|                               | 2 Standard Asthmatic | 219       | 30461              | 4837                | 0.1078   | 0.0171             |
|                               | 3 Non-Asthmatic      | 3415      | 434434             | 16103               | 1.5380   | 0.0570             |
|                               | Total                | 3655      | 468124             | 16878               | 1.6573   | 0.0597             |
| 2 - 4 Years                   | 1 Severe Asthmatic   | 30        | 4746               | 1695                | 0.0168   | 0.0060             |
|                               | 2 Standard Asthmatic | 332       | 44523              | 5223                | 0.1576   | 0.0185             |
|                               | 3 Non-Asthmatic      | 4904      | 704585             | 23211               | 2.4944   | 0.0822             |
|                               | Total                | 5266      | 753854             | 24711               | 2.6688   | 0.0876             |
| 4 - 20 Years                  | 1 Severe Asthmatic   | 31        | 3868               | 1307                | 0.0137   | 0.0046             |
|                               | 2 Standard Asthmatic | 207       | 33806              | 6010                | 0.1197   | 0.0213             |
|                               | 3 Non-Asthmatic      | 3253      | 586163             | 21393               | 2.0752   | 0.0758             |
|                               | Total                | 3491      | 623836             | 22689               | 2.2085   | 0.0804             |
| 20+ Years                     | 1 Severe Asthmatic   | 5         | 281.17868          | 218.39541           | 0.0010   | 0.0008             |
|                               | 2 Standard Asthmatic | 81        | 10652              | 2810                | 0.0377   | 0.0099             |
|                               | 3 Non-Asthmatic      | 1324      | 164792             | 8731                | 0.5834   | 0.0309             |
|                               | Total                | 1410      | 175725             | 9338                | 0.6221   | 0.0331             |
| Total                         | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                               | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                               | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                               | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

**PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information****The SURVEYFREQ Procedure****Table of SERVED by asthmaesc3**

| Rao-Scott Chi-Square Test |         |
|---------------------------|---------|
| Pearson Chi-Square        | 40.8327 |
| Design Correction         | 2.5409  |
|                           |         |
| Rao-Scott Chi-Square      | 16.0700 |
| DF                        | 10      |
| Pr > ChiSq                | 0.0976  |
|                           |         |
| F Value                   | 1.6070  |
| Num DF                    | 10      |
| Den DF                    | 1600    |
| Pr > F                    | 0.0988  |
| Sample Size = 124521      |         |



## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of AG10 by asthmaesc3 |                      |           |                    |                     |          |                    |
|-----------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| AG10                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Inapplicable                | 1 Severe Asthmatic   | 860       | 166933             | 12978               | 0.5910   | 0.0459             |
|                             | 2 Standard Asthmatic | 8380      | 1520235            | 35378               | 5.3820   | 0.1252             |
|                             | 3 Non-Asthmatic      | 91054     | 19598565           | 80978               | 69.3837  | 0.2849             |
|                             | Total                | 100294    | 21285732           | 78452               | 75.3567  | 0.2756             |
| Yes                         | 1 Severe Asthmatic   | 59        | 17227              | 4324                | 0.0610   | 0.0153             |
|                             | 2 Standard Asthmatic | 634       | 167649             | 12958               | 0.5935   | 0.0459             |
|                             | 3 Non-Asthmatic      | 7065      | 1965912            | 47176               | 6.9598   | 0.1672             |
|                             | Total                | 7758      | 2150788            | 47702               | 7.6143   | 0.1691             |
| No                          | 1 Severe Asthmatic   | 145       | 41104              | 7999                | 0.1455   | 0.0283             |
|                             | 2 Standard Asthmatic | 1049      | 257479             | 15723               | 0.9115   | 0.0557             |
|                             | 3 Non-Asthmatic      | 11083     | 3109579            | 53542               | 11.0087  | 0.1895             |
|                             | Total                | 12277     | 3408162            | 55420               | 12.0657  | 0.1962             |
| Looking for Work            | 1 Severe Asthmatic   | 31        | 11995              | 3174                | 0.0425   | 0.0112             |
|                             | 2 Standard Asthmatic | 347       | 96374              | 9619                | 0.3412   | 0.0341             |
|                             | 3 Non-Asthmatic      | 3814      | 1293583            | 34713               | 4.5796   | 0.1229             |
|                             | Total                | 4192      | 1401951            | 35315               | 4.9633   | 0.1250             |
| Total                       | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                             | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                             | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                             | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

| Rao-Scott Chi-Square Test |         |
|---------------------------|---------|
| Pearson Chi-Square        | 37.4461 |
| Design Correction         | 4.6217  |
|                           |         |
| Rao-Scott Chi-Square      | 8.1022  |
| DF                        | 6       |
| Pr > ChiSq                | 0.2307  |
|                           |         |
| F Value                   | 1.3504  |
| Num DF                    | 6       |
| Den DF                    | 960     |
| Pr > F                    | 0.2319  |
| Sample Size = 124521      |         |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of WRKST_P1 by asthmaesc3      |                      |           |                    |                     |          |                    |
|--------------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| WRKST_P1                             | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Full-Time Employment (21+ hrs/week)  | 1 Severe Asthmatic   | 272       | 85328              | 9736                | 0.3021   | 0.0345             |
|                                      | 2 Standard Asthmatic | 3649      | 976335             | 30035               | 3.4565   | 0.1063             |
|                                      | 3 Non-Asthmatic      | 47014     | 14361605           | 80889               | 50.8436  | 0.2864             |
|                                      | Total                | 50935     | 15423269           | 75420               | 54.6021  | 0.2672             |
| Part-Time Employment (0-20 hrs/week) | 1 Severe Asthmatic   | 58        | 12270              | 3392                | 0.0434   | 0.0120             |
|                                      | 2 Standard Asthmatic | 806       | 177456             | 12713               | 0.6282   | 0.0450             |
|                                      | 3 Non-Asthmatic      | 9324      | 2297858            | 49798               | 8.1350   | 0.1762             |
|                                      | Total                | 10188     | 2487583            | 52116               | 8.8067   | 0.1845             |
| Other Employed                       | 1 Severe Asthmatic   | 4         | 1248               | 903.91411           | 0.0044   | 0.0032             |
|                                      | 2 Standard Asthmatic | 40        | 7851               | 2746                | 0.0278   | 0.0097             |
|                                      | 3 Non-Asthmatic      | 382       | 71523              | 7170                | 0.2532   | 0.0254             |
|                                      | Total                | 426       | 80623              | 7653                | 0.2854   | 0.0271             |
| Unemployed, Looking for Work         | 1 Severe Asthmatic   | 48        | 20588              | 5373                | 0.0729   | 0.0190             |
|                                      | 2 Standard Asthmatic | 503       | 135464             | 11676               | 0.4796   | 0.0413             |
|                                      | 3 Non-Asthmatic      | 5319      | 1791872            | 42176               | 6.3437   | 0.1493             |
|                                      | Total                | 5870      | 1947924            | 44303               | 6.8961   | 0.1568             |
| Unemployed, Not Looking for Work     | 1 Severe Asthmatic   | 713       | 117825             | 11994               | 0.4171   | 0.0425             |
|                                      | 2 Standard Asthmatic | 5412      | 744629             | 27398               | 2.6362   | 0.0970             |
|                                      | 3 Non-Asthmatic      | 50977     | 7444780            | 63890               | 26.3563  | 0.2260             |
|                                      | Total                | 57102     | 8307234            | 68045               | 29.4096  | 0.2405             |
| Total                                | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                      | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                      | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                      | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

**PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information****The SURVEYFREQ Procedure****Table of WRKST\_P1 by asthmaesc3**

| Rao-Scott Chi-Square Test |          |
|---------------------------|----------|
| Pearson Chi-Square        | 499.9159 |
| Design Correction         | 4.4363   |
|                           |          |
| Rao-Scott Chi-Square      | 112.6885 |
| DF                        | 8        |
| Pr > ChiSq                | <.0001   |
|                           |          |
| F Value                   | 14.0861  |
| Num DF                    | 8        |
| Den DF                    | 1280     |
| Pr > F                    | <.0001   |
| Sample Size = 124521      |          |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of AM34 by asthmaesc3             |                      |           |                    |                     |          |                    |
|---|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| AM34                                    | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Inapplicable                            | 1 Severe Asthmatic   | 516       | 145415             | 13474               | 0.5148   | 0.0477             |
|   | 2 Standard Asthmatic | 3340      | 973596             | 33409               | 3.4468   | 0.1183             |
|   | 3 Non-Asthmatic      | 37653     | 13111185           | 52942               | 46.4168  | 0.1872             |
|   | Total                | 41509     | 14230196           | 38729               | 50.3784  | 0.1381             |
| All or Almost All Calls on Cell Phones  | 1 Severe Asthmatic   | 191       | 38653              | 5239                | 0.1368   | 0.0185             |
|   | 2 Standard Asthmatic | 1931      | 410553             | 17190               | 1.4535   | 0.0608             |
|   | 3 Non-Asthmatic      | 21840     | 5292892            | 52153               | 18.7381  | 0.1845             |
|   | Total                | 23962     | 5742098            | 53551               | 20.3284  | 0.1892             |
| Some Calls on Cell, Some Regular Phones | 1 Severe Asthmatic   | 195       | 29381              | 5580                | 0.1040   | 0.0198             |
|   | 2 Standard Asthmatic | 2692      | 385057             | 15631               | 1.3632   | 0.0553             |
|   | 3 Non-Asthmatic      | 27980     | 4560313            | 47442               | 16.1446  | 0.1679             |
|   | Total                | 30867     | 4974751            | 48785               | 17.6118  | 0.1726             |
| Very Few or No Calls on Cell Phones     | 1 Severe Asthmatic   | 193       | 23809              | 4162                | 0.0843   | 0.0147             |
|   | 2 Standard Asthmatic | 2447      | 272531             | 13388               | 0.9648   | 0.0474             |
|   | 3 Non-Asthmatic      | 25543     | 3003249            | 39753               | 10.6322  | 0.1407             |
|   | Total                | 28183     | 3299589            | 38551               | 11.6814  | 0.1364             |
| Total                                   | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|   | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|   | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|   | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

| Rao-Scott Chi-Square Test |         |
|---------------------------|---------|
| Pearson Chi-Square        | 96.2293 |
| Design Correction         | 3.6667  |
|                           |         |
| Rao-Scott Chi-Square      | 26.2440 |
| DF                        | 6       |
| Pr > ChiSq                | 0.0002  |
|                           |         |
| F Value                   | 4.3740  |
| Num DF                    | 6       |
| Den DF                    | 960     |
| Pr > F                    | 0.0002  |
| Sample Size = 124521      |         |

## PROC SURVEYFREQ - CHIS.CHISSEVERITY - Demographic Information

## The SURVEYFREQ Procedure

| Table of UR_CLRT by asthmaesc3 |                      |           |                    |                     |          |                    |
|--------------------------------|----------------------|-----------|--------------------|---------------------|----------|--------------------|
| UR_CLRT                        | asthmaesc3           | Frequency | Weighted Frequency | Std Err of Wgt Freq | Percent  | Std Err of Percent |
| Urban                          | 1 Severe Asthmatic   | 459       | 130699             | 11939               | 0.4627   | 0.0423             |
|                                | 2 Standard Asthmatic | 3500      | 952758             | 27538               | 3.3730   | 0.0975             |
|                                | 3 Non-Asthmatic      | 42962     | 13591873           | 77234               | 48.1186  | 0.2732             |
|                                | Total                | 46921     | 14675331           | 68719               | 51.9543  | 0.2431             |
| 2nd City                       | 1 Severe Asthmatic   | 283       | 51419              | 8002                | 0.1820   | 0.0283             |
|                                | 2 Standard Asthmatic | 3022      | 495947             | 19461               | 1.7558   | 0.0689             |
|                                | 3 Non-Asthmatic      | 29449     | 5379318            | 47105               | 19.0441  | 0.1664             |
|                                | Total                | 32754     | 5926684            | 47068               | 20.9819  | 0.1664             |
| Suburban                       | 1 Severe Asthmatic   | 144       | 30622              | 5285                | 0.1084   | 0.0187             |
|                                | 2 Standard Asthmatic | 1654      | 355787             | 17797               | 1.2596   | 0.0630             |
|                                | 3 Non-Asthmatic      | 19073     | 4449558            | 57137               | 15.7525  | 0.2026             |
|                                | Total                | 20871     | 4835966            | 60933               | 17.1205  | 0.2160             |
| Town & Rural                   | 1 Severe Asthmatic   | 209       | 24518              | 5177                | 0.0868   | 0.0183             |
|                                | 2 Standard Asthmatic | 2234      | 237245             | 12675               | 0.8399   | 0.0449             |
|                                | 3 Non-Asthmatic      | 21532     | 2546889            | 36065               | 9.0166   | 0.1275             |
|                                | Total                | 23975     | 2808653            | 37202               | 9.9433   | 0.1315             |
| Total                          | 1 Severe Asthmatic   | 1095      | 237259             | 16258               | 0.8400   | 0.0576             |
|                                | 2 Standard Asthmatic | 10410     | 2041736            | 43390               | 7.2282   | 0.1536             |
|                                | 3 Non-Asthmatic      | 113016    | 25967638           | 49026               | 91.9318  | 0.1721             |
|                                | Total                | 124521    | 28246634           | 6429                | 100.0000 |                    |

| Rao-Scott Chi-Square Test |          |
|---------------------------|----------|
| Pearson Chi-Square        | 143.8952 |
| Design Correction         | 4.0266   |
|                           |          |
| Rao-Scott Chi-Square      | 35.7360  |
| DF                        | 6        |
| Pr > ChiSq                | <.0001   |
|                           |          |
| F Value                   | 5.9560   |
| Num DF                    | 6        |
| Den DF                    | 960      |
| Pr > F                    | <.0001   |
| Sample Size = 124521      |          |