Table 1. Cross tabulation for physical health status active or inactive.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Physically inactive | | Physically active | |  |
| Variable | Count (n) | Weighted (%) | Count (n) | Weighted (%) | P-value for Chi-square test |
| (95% CI) | (95% CI) |
| Age Group | | | | | |
| 18-24 | 1644 | 6.24 (5.81-6.66) | 1531 | 5.74 (5.32 -6.17) | <0.001 |
| 25-34 | 2958 | 8.55 (8.06-9.03) | 2562 | 7.73 (7.29-8.18) |
| 35-44 | 3192 | 8.17 (7.72-8.62) | 2866 | 7.54 (7.11 -7.96) |
| 45-54 | 4325 | 8.46 (8.05-8.86) | 3377 | 7.30 (6.88-7.73) |
| 55-64 | 5817 | 8.67 (8.28-9.06) | 4755 | 8.29 (7.86-8.72) |
| 65 or older | 9843 | 10.97 (10.58-11.36) | 9923 | 12.34 (11.94-12.75) |
| Sex | | | | | |
| Male | 11375 | 23.4596 (22.794-24.124) | 11820 | 24.715(24.0499-25.38) | <.0001 |
| Female | 16404 | 27.5918(26.9238-28.2597) | 13194 | 24.23(23.5671-24.9004) |
| Race/ethnicity | | | | | |
| White, Non-Hispanic | 19239 | 31.143(30.513-31.77) | 18946 | 32.80(32.15-33.46) | <.0001 |
| Black, Non-Hispanic | 5573 | 10.898(10.41-11.40) | 3584 | 8.31(7.85-8.76) |
| Asian, Non-Hispanic | 223 | 0.934(0.74-1.13) | 198 | 0.94(0.71-1.17) |
| American Indian/Alaskan Native, Non-Hispanic | 322 | 0.42(0.35-0.49) | 265 | 0.37(0.297-0.435) |
| Hispanic | 1689 | 6.67(6.154-7.18) | 1264 | 5.45(4.94-5.96) |
| Other race, Non-Hispanic | 733 | 0.99(0.85-1.14) | 757 | 1.09(0.94-1.24) |
| Computed level of education completed categories | | | | | |
| Did not graduate High School | 3567 | 8.77 (8.29-9.25) | 1632 | 4.423(4.0746-4.77) | <0.0001 |
| Graduated High School | 8899 | 15.92(15.38-16.47) | 6039 | 13.19 (12.6388-13.75) |  |
| Attended College or Technical School | 7837 | 15.80(15.23-16.37) | 7240 | 15.56(14.99-16.12) |  |
| Graduated from College or Technical School | 7383 | 10.51(10.09-10.92) | 10064 | 15.82(15.3-16.35) |  |
|  |  |  |  |  |  |
| Computed Income Categories |  |  |  |  |  |
| Less than $15,000 | 3436 | 6.65(6.22-7.08) | 1677 | 3.6(3.28-3.923) | <.0001 |
| $15,000 - $25,000 | 4851 | 10.72(10.22-11.2) | 3238 | 7.26(6.82-7.71) |  |
| $25,000 - $35,000 | 2638 | 6.048(5.64-6.45) | 2079 | 4.89(4.49-5.29) |  |
| $35,000 - $50,000 | 3063 | 6.68(6.28-7.07) | 2995 | 6.63(6.25-7.015) |  |
| $50,000 - more | 8069 | 20.05(19.37-20.73) | 10812 | 27.47(26.69-28.23) |  |
|  |  |  |  |  |  |
| State FIPS ID |  |  |  |  |  |
| Alabama | 3421 | 4.14(3.99-4.28) | 2878 | 3.36(3.22-3.50) | <.0001 |
| Arkansas | 6768 | 14.84(14.24-15.44) | 7963 | 17.78(17.17-18.39) |  |
| Georgia | 3245 | 7.995(7.64-8.35) | 3112 | 7.515(7.185-7.845) |  |
| Louisiana | 3395 | 3.337(3.19-3.48) | 1759 | 1.824(1.71-1.94) |  |
| Mississippi | 2958 | 2.84(2.74-2.94) | 1737 | 1.78(1.68-1.87) |  |
| North Carolina | 1931 | 8.33(7.98-8.68) | 1973 | 8.25(7.92-8.58) |  |
| South Carolina | 3194 | 4.18(4.03-4.34) | 3090 | 3.695(3.55-3.84) |  |
| Tennessee | 2867 | 5.39(5.17-5.61) | 2502 | 4.747(4.54-4.96) |  |
|  |  |  |  |  |  |
| Ever diagnosed with Angina or Coronary Heart disease | | | | | |
| Yes | 2184 | 2.735(2.54-2.93) | 1433 | 1.97(1.79-2.14) | <0.0001 |
| No | 25245 | 48.22(47.45-48.99) | 23398 | 47.08(46.31-47.85) |  |
|  |  |  |  |  |  |
| Ever diagnosed with a Stroke | | | | | |
| Yes | 2077 | 2.62(2.44-2.82) | 1146 | 1.63(1.46-1.79) | <0.0001 |
| No | 25702 | 48.43(47.66-49.19) | 23868 | 47.32(46.56-48.09) |  |
|  |  |  |  |  |  |
| Ever told blood pressure high |  |  |  |  |  |
| Yes | 13867 | 53.59(52.49-54.69) | 10669 | 44.29(43.20-45.38) | <0.05 |
| No | 176 | 0.97(0.75-1.19) | 183 | 1.148(0.89-1.41) |  |
|  |  |  |  |  |  |
| Ever diagnosed with heart attack | | | | | |
| Yes | 2207 | 2.88(2.66-3.09) | 1417 | 2.04(1.84-2.23) | <.0001 |
| No | 25389 | 48.08(47.31-48.85) | 23502 | 47.01(46.24-47.78) |  |
|  |  |  |  |  |  |
| Ever told you had diabetes |  |  |  |  |  |
| Yes | 5676 | 57.72(55.93-59.51) | 3305 | 35.697(33.95-37.45) | <.001 |
| No | 236 | 3.45(2.79-4.11) | 212 | 3.135(2.57-3.7) |  |
|  |  |  |  |  |  |
| High cholesterol calculated variable |  |  |  |  |  |
| Yes | 13347 | 30.56(29.80-31.33) | 13974 | 34.31(33.51-35.11) | <.0001 |
| No | 10790 | 18.98(18.38-19.57) | 8695 | 16.15(15.59-16.71) |  |
|  | 252 |  | 159 |  |  |
| Smoking |  |  |  |  |  |
| Yes | 3992 | 40.76(39.04-42.49) | 2467 | 28.915(27.35-30.48) | <.0001 |
| No | 1394 | 15.56(14.28-16.84) | 1180 | 14.76(13.41-16.12) |  |
|  |  |  |  |  |  |
| Have any health care coverage |  |  |  |  |  |
| Yes | 24138 | 42.46(41.70-43.21) | 22498 | 42.69(41.93-43.46) | <.0001 |
| No | 3511 | 8.526(8.07-8.98) | 2420 | 6.32(5.91-6.73) |  |
|  |  |  |  |  |  |

Table 2. Logistic regression for physical health status

|  |  |  |  |
| --- | --- | --- | --- |
| Variables | N | OR (95% CI) | p-value for Chi-square test |
| Age Group |  |  |  |
| 18-24 | 3175 | Reference Group |  |
| 25-34 | 5520 | 46.510(1.341->999.999) | <.0001 |
| 35-44 | 6058 | 390.118(21.384->999.999) | <.05 |
| 45-54 | 7702 | 375.456(18.32->999.999) | <.0001 |
| 55-64 | 10572 | 535.907(29.68->999.999) | <.0001 |
| 65 or older | 19766 | 900.382(45.717->999.999) | <.0001 |
|  |  |  |  |
| Sex |  |  |  |
| Male | 23195 | 0.593(0.329-1.066) | 0.0804 |
| Female | 29598 | Reference Group |  |
|  |  |  |  |
| Race/ethnicity |  |  |  |
| White, Non-Hispanic | 38185 | 0.607(0.304-1.21) | 0.1555 |
| Black, Non-Hispanic | 9157 | Reference Group |  |
| Asian, Non-Hispanic | 421 | -- | -- |
| American Indian/Alaskan Native, Non-Hispanic | 587 | 8.438(1.581-45.043) | <0.05 |
| Hispanic | 2953 | 1.846(0.487-6.992) | 0.3661 |
| Other race, Non-Hispanic | 1490 | 0.380(0.08-1.797) | 0.2219 |
|  |  |  |  |
| Computed level of education completed categories |  |  |  |
| Did not graduate High School | 5199 | 1.297(0.654-2.57) | 0.4555 |
| Graduated High School | 14938 | Reference Group |  |
| Attended College or Technical School | 15077 | 0.931(0.47-1.84) | 0.8367 |
| Graduated from College or Technical School | 16767 | 1.008(0.46-2.21) | 0.9833 |
|  |  |  |  |
| Computed Income Categories |  |  |  |
| Less than $15,000 | 5113 | Reference Group |  |
| $15,000 - $25,000 | 8089 | 0.974(0.494-1.92) | 0.9389 |
| $25,000 - $35,000 | 4717 | 0.674(0.23-1.95) | 0.4663 |
| $35,000 - $50,000 | 6058 | 0.889(0.374-2.118) | 0.7908 |
| $50,000 - more | 18881 | 0.345(0.144-0.83) | <0.05 |
|  |  |  |  |
| State FIPS ID |  |  |  |
| Alabama | 6299 | Reference Group |  |
| Arkansas | 14731 | 3.098(1.11-8.64) | <0.05 |
| Georgia | 6357 | 1.055(0.398-2.79) | 0.9142 |
| Louisiana | 5154 | 0.512(0.164-1.60) | 0.2489 |
| Mississippi | 4695 | 1.251(0.466-3.36) | 0.6564 |
| North Carolina | 3904 | 3.48(1.14-10.65) | <0.05 |
| South Carolina | 6284 | 2.33(0.79-6.89) | 0.1265 |
| Tennessee | 5369 | 0.97(0.33-2.82) | 0.9507 |
| Physical Activity Index |  |  |  |
| Meet aerobic recommendation | 25014 | 1.389(0.785-2.457) | 0.2584 |
| Did not meet aerobic recommendation | 27779 | Reference Group |  |
| Ever diagnosed with Angina or Coronary Heart disease |  |  |  |
| Yes | 3617 | 2.185(1.23-3.90) | <.001 |
| No | 48643 | Reference Group |  |
|  |  |  |  |
|  |  |  |  |
| Ever told blood pressure high |  |  |  |
| Yes | 24895 | 569.36(61.64->999.9) | <.0001 |
| No | 27731 | Reference Group |  |
|  |  |  |  |
| Ever diagnosed with heart attack |  |  |  |
| Yes | 3624 | 3.764(2.11-6.71) | <.0001 |
| No | 46598 | Reference Group |  |
|  |  |  |  |
| Ever told you had diabetes |  |  |  |
| Yes | 9429 | 1.626(0.334-7.92) | 0.5466 |
| No | 43262 | Reference Group |  |
|  |  |  |  |
| High cholesterol calculated variable |  |  |  |
| Yes | 27321 | 0.796(0.40-1.58) | 0.5114 |
| No | 19485 | Reference Group |  |
|  |  |  |  |
| Smoking |  |  |  |
| Yes | 9033 | 0.636(0.36-1.12) | 0.1185 |
| No | 43414 | Reference Group |  |
|  |  |  |  |
| Have any health care coverage |  |  |  |
| Yes | 46636 | 2.35(0.87-6.37) | 0.0937 |
| No | 5931 | Reference Group |  |
|  |  |  |  |

Table 3. Cross tabulation for stroke

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Stroke: No | | Stroke: Yes | |  |
| Variable | Count (n) | Weighted (%) | Count (n) | Weighted (%) | P-value for Chi-square test |
| (95% CI) | (95% CI) |
| Age Group | | | | | |
| 18-24 | 3159 | 11.94 (11.37-12.51) | 16 | 0.04 (0.017-0.06) | <0.001 |
| 25-34 | 5473 | 16.15 (15.54-16.77) | 47 | 0.128 (0.08-0.17) |
| 35-44 | 5935 | 15.50 (14.92-16.08) | 123 | 0.207(0.15-0.26) |
| 45-54 | 7383 | 15.12 (14.57-15.67) | 319 | 0.643 (0.51-0.78) |
| 55-64 | 9816 | 15.91 (15.37-16.46) | 756 | 1.05 (0.92-1.18) |
| 65 or older | 17804 | 21.13 (20.61-21.65) | 1962 | 2.18 (2.01-2.36) |
| Sex | | | | | |
| Male | 21829 | 46.18(45.41-46.95) | 1366 | 1.99(1.81-2.18) | 0.4579 |
| Female | 27741 | 49.58(48.81-50.34) | 1857 | 2.25 (2.06-2.44) |
| Race/ethnicity | | | | | |
| White, Non-Hispanic | 35915 | 61.10(60.33-61.86) | 2270 | 2.85(2.66-3.04) | <.0001 |
| Black, Non-Hispanic | 8463 | 18.24 (17.62-18.86) | 694 | 0.97 (0.84-1.09) |
| Asian, Non-Hispanic | 412 | 1.85 (1.55-2.15) | 9 | 0.017(0.003-0.03) |
| American Indian/Alaskan Native, Non-Hispanic | 510 | 0.72(0.62-0.81) | 77 | 0.07(0.05-0.09) |
| Hispanic | 2882 | 11.86 (11.22-12.51) | 71 | 0.25 (0.13-0.38) |
| Other race, Non-Hispanic | 1388 | 1.99 (1.78-2.19) | 102 | 0.09 (0.05-0.13) |
| Computed level of education completed categories | | | | | |
| Did not graduate High School | 4656 | 12.13 (11.57-12.68) | 543 | 1.06 (0.90-1.22) | <0.0001 |
| Graduated High School | 13898 | 27.77 (27.07-28.47) | 1040 | 1.34 (1.19-1.49) |
| Attended College or Technical School | 14124 | 30.14 (29.42-30.86) | 953 | 1.22 (1.09-1.35) |
| Graduated from College or Technical School | 16767 | 25.71 (25.09-26.34) | 680 | 0.62 (0.54-0.70) |
|  |  |  |  |  |  |
| Computed Income Categories | | | | | |
| Less than $15,000 | 4489 | 9.31 (8.81-9.81) | 624 | 0.94 (0.78-1.09) | <.0001 |
| $15,000 - $25,000 | 7369 | 16.72 (16.10-17.35) | 720 | 1.26 (1.11-1.42) |  |
| $25,000 - $35,000 | 4384 | 10.40 (9.86-10.94) | 333 | 0.54 (0.42-0.66) |  |
| $35,000 - $50,000 | 5750 | 12.88 (12.35-13.41) | 308 | 0.43 (0.35-0.50) |  |
| $50,000 - more | 18881 | 46.56 (45.72-47.41) | 567 | 0.96 (0.83-1.09) |  |
|  |  |  |  |  |  |
| State FIPS ID | | | | | |
| Alabama | 5869 | 7.09 (6.94-7.24) | 430 | 0.41 (0.36-0.46) | <.005 |
| Arkansas | 13830 | 31.37 (30.88-31.87) | 901 | 1.25 (1.07-1.43) |  |
| Georgia | 6008 | 14.94 (14.63-15.25) | 349 | 0.57 (0.47-0.67) |  |
| Louisiana | 4811 | 4.91 (4.77-5.04) | 343 | 0.25 (0.21-0.30) |  |
| Mississippi | 4378 | 4.39 (4.28-4.49) | 317 | 0.23 (0.20-0.27) |  |
| North Carolina | 3712 | 15.87 (15.57-16.17) | 1925 | 0.71 (0.59-0.83) |  |
| South Carolina | 5919 | 7.52 (7.37-7.66) | 365 | 0.36 (0.31-0.41) |  |
| Tennessee | 5043 | 9.67 (9.47-9.88) | 326 | 0.46 (0.39-0.53) |  |
|  |  |  |  |  |  |
| Physical Activity Index | | | | | |
| Meet aerobic recommendation | 23868 | 47.32 (46.55-48.09) | 1146 | 1.63 (1.46-1.80) | <0.001 |
| Did not meet aerobic recommendation | 25702 | 48.43 (47.67-49.20) | 2077 | 2.62 (2.42-2.82) |
| Ever diagnosed with Angina or Coronary Heart disease | | | | | |
| Yes | 2867 | 3.71 (3.48-3.93) | 750 | 1.0 (0.86-1.13) | <0.0001 |
| No | 46261 | 92.11 (91.77-92.45) | 2382 | 3.19 (2.97-3.42) |  |
|  |  |  |  |  |  |
| Ever told blood pressure high | | | | | |
| Yes | 22027 | 88.96 (88.28-89.65) | 2509 | 8.92 (8.31-9.52) | <0.001 |
| No | 351 | 2.08 (1.74-2.42) | 8 | 0.04(0.002-0.08) |  |
|  |  |  |  |  |  |
| Ever diagnosed with heart attack | | | | | |
| Yes | 2752 | 3.75 (3.50-4.002) | 872 | 1.17 (1.02-1.31) | <.0001 |
| No | 46598 | 92.05 (91.69-92.41) | 2293 | 3.032 (2.81-3.26) |  |
|  |  |  |  |  |  |
| Ever told you had diabetes | | | | | |
| Yes | 7791 | 81.92 (80.56-83.28) | 1190 | 11.50 (10.35-12.65) | <.001 |
| No | 424 | 6.35 (5.51-7.19) | 24 | 0.23 (0.06-0.41) |  |
|  |  |  |  |  |  |
| High cholesterol calculated variable | | | | | |
| Yes | 26262 | 63.24 (62.49-63.99) | 1059 | 1.63 (1.46-1.8) | <.0001 |
| No | 17548 | 32.17 (31.44-32.90) | 1937 | 2.96 (2.71-3.21) |  |
|  |  |  |  |  |  |
| Smoking |  |  |  |  |  |
| Yes | 5952 | 65.42 (63.72-67.12) | 507 | 4.26 (3.60-4.92) | <.05 |
| No | 2366 | 28.98 (27.33-30.63) | 208 | 1.34 (1.05-1.63) |  |
|  |  |  |  |  |  |
| Have any health care coverage |  |  |  |  |  |
| Yes | 43634 | 81.22 (80.60-81.83) | 3002 | 3.94 (3.68-4.19) | <.0001 |
| No | 5726 | 14.52 (13.94-15.10) | 205 | 0.32 (0.25-0.39) |  |
|  |  |  |  |  |  |

Table 4. Logistic results

|  |  |  |  |
| --- | --- | --- | --- |
| Variables | N | OR (95% CI) | p-value for Chi-square test |
| Age Group |  |  |  |
| 18-24 |  | Reference |  |
| 25-34 |  | 52.436 (1.560->999.9) | <0.05 |
| 35-44 |  | 379.441 (19.886->999.9) | <0.001 |
| 45-54 |  | 381.771 (18.185->999.9) | <0.001 |
| 55-64 |  | 518.573 (28.154->999.9) | <0.001 |
| 65 or older |  | 815.050 (39.373->999.9) | <0.001 |
|  |  |  |  |
| Race/ethnicity |  |  |  |
| White, Non-Hispanic |  | 0.640 (0.324-1.265) | 0.1988 |
| Black, Non-Hispanic |  | Reference |  |
| Asian, Non-Hispanic |  | -- |  |
| American Indian/Alaskan Native, Non-Hispanic |  | 8.559 (1.661-44.096) | <0.05 |
| Hispanic |  | 1.493 (0.359-6.214) | 0.5814 |
| Other race, Non-Hispanic |  | 0.444 (0.101-1.951) | 0.2815 |
|  |  |  |  |
| Computed level of education completed categories |  |  |  |
| Did not graduate High School |  | 0.640 (0.324-1.265) | 0.3489 |
| Graduated High School |  | Reference |  |
| Attended College or Technical School |  | 8.559 (1.661-44.096) | 0.9405 |
| Graduated from College or Technical School |  | 1.493 (0.359-6.214) | 0.800 |
|  |  |  |  |
| Computed Income Categories |  |  |  |
| Less than $15,000 |  | 3.158 (1.351-7.38) | <0.01 |
| $15,000 - $25,000 |  | 3.050 (1.32-7.05) | <0.01 |
| $25,000 - $35,000 |  | 2.263 (0.783-6.54) | 0.1313 |
| $35,000 - $50,000 |  | 2.623 (0.991-6.94) | 0.0521 |
| $50,000 - more |  | Reference |  |
|  |  |  |  |
| State FIPS ID |  |  |  |
| Alabama |  | Reference |  |
| Arkansas |  | 3.297 (1.157-9.395) | <0.05 |
| Georgia |  | 1.188 (0.463-3.051) | 0.720 |
| Louisiana |  | 0.534 (0.172-1.66) | 0.2773 |
| Mississippi |  | 1.319 (0.490-3.550) | 0.5825 |
| North Carolina |  | 3.654 (1.170-11.41) | <0.05 |
| South Carolina |  | 2.478 (0.822-7.471) | 0.1067 |
| Tennessee |  | 1.045 (0.352-3.10) | 0.9363 |
| Physical Activity Index |  |  |  |
| Meet aerobic recommendation |  | 1.297 (0.734-2.295) | 0.3699 |
| Did not meet aerobic recommendation |  | Reference |  |
| Ever diagnosed with Angina or Coronary Heart disease |  |  |  |
| Yes |  | 2.098(1.164-3.783) | <0.05 |
| No |  | Reference |  |
|  |  |  |  |
|  |  |  |  |
| Ever told blood pressure high |  |  |  |
| Yes |  | 502.924 (55.92- >999.9) | <0.0001 |
| No |  | Reference |  |
|  |  |  |  |
| Ever diagnosed with heart attack |  |  |  |
| Yes |  | 3.454 (1.905-6.264) | <0.0001 |
| No |  | Reference |  |
|  |  |  |  |
| Ever told you had diabetes |  |  |  |
| Yes |  | 1.237(0.274-5.588) | 0.7822 |
| No |  | Reference |  |
|  |  |  |  |
| High cholesterol calculated variable |  |  |  |
| Yes |  | Reference |  |
| No |  | 1.284(0.647-2.549) | 0.4735 |
|  |  |  |  |
| Smoking |  |  |  |
| Yes |  | Reference |  |
| No |  | 1.522(0.837-2.766) | 0.1679 |
|  |  |  |  |
| Have any health care coverage |  |  |  |
| Yes |  | 2.584 (0.939-7.111) | 0.066 |
| No |  | Reference |  |
|  |  |  |  |