Supplementary Table S1. Associations of aMED and aMED -e with all-cause, cardiovascular disease and cancer mortality in the Multiethnic Cohort, by sex and ethnicity1.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | MEN | | | | | | | |  | WOMEN | | | | | | | |
| Race / | Cause of |  | Energy adjustment |  |  | No. | No. | Follow-up | Hazard | 95% confidence | |  | P for |  | No. | No. | Follow-up | Hazard | 95% confidence | |  | P for |
| ethnicity | death | Index | in the model | Q |  | subjects | events | person-yrs | ratio | interval | | P-value | trend |  | subjects | events | person-yrs | ratio | interval | | P-value | trend |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All | All | aMED | No | 1 |  | 17326 | 5852 | 248732 | 1.00 |  |  |  |  |  | 22515 | 5375 | 343173 | 1.00 |  |  |  |  |
|  | causes |  |  | 2 |  | 15542 | 5058 | 225718 | 0.94 | 0.91 | 0.98 | 0.00158 |  |  | 19195 | 4414 | 295192 | 0.93 | 0.89 | 0.97 | 0.0003 |  |
|  |  |  |  | 3 |  | 17108 | 5397 | 250678 | 0.90 | 0.87 | 0.94 | 4.9E-08 |  |  | 20283 | 4420 | 314984 | 0.86 | 0.83 | 0.90 | 1.7E-13 |  |
|  |  |  |  | 4 |  | 15701 | 4890 | 231851 | 0.87 | 0.84 | 0.91 | 6.2E-12 |  |  | 19090 | 4209 | 296557 | 0.88 | 0.84 | 0.91 | 3.8E-10 |  |
|  |  |  |  | 5 |  | 21661 | 6547 | 323737 | 0.82 | 0.79 | 0.85 | 8.5E-27 | 3.1E-29 |  | 25106 | 5540 | 391674 | 0.85 | 0.82 | 0.89 | 4.5E-16 | 7.9E-17 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 17326 | 5852 | 248740 | 1.00 |  |  |  |  |  | 22515 | 5375 | 343199 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 15542 | 5058 | 225728 | 0.93 | 0.89 | 0.96 | 0.00011 |  |  | 19195 | 4414 | 295219 | 0.91 | 0.88 | 0.95 | 1E-05 |  |
|  |  |  |  | 3 |  | 17108 | 5397 | 250702 | 0.88 | 0.84 | 0.91 | 1.2E-11 |  |  | 20283 | 4420 | 315016 | 0.83 | 0.80 | 0.87 | 1.7E-18 |  |
|  |  |  |  | 4 |  | 15701 | 4890 | 231869 | 0.84 | 0.80 | 0.87 | 1.9E-18 |  |  | 19090 | 4209 | 296588 | 0.83 | 0.80 | 0.87 | 6.7E-17 |  |
|  |  |  |  | 5 |  | 21661 | 6547 | 323770 | 0.77 | 0.74 | 0.80 | 1.1E-37 | 1.4E-40 |  | 25106 | 5540 | 391704 | 0.79 | 0.75 | 0.82 | 1.1E-26 | 2.3E-28 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 15851 | 4952 | 231400 | 1.00 |  |  |  |  |  | 19415 | 4303 | 298316 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 16334 | 5227 | 237731 | 0.95 | 0.91 | 0.98 | 0.00477 |  |  | 20555 | 4712 | 315567 | 0.96 | 0.92 | 1.00 | 0.05223 |  |
|  |  |  |  | 3 |  | 18770 | 6008 | 274233 | 0.89 | 0.85 | 0.92 | 7.4E-10 |  |  | 23562 | 5358 | 363230 | 0.90 | 0.86 | 0.93 | 1.7E-07 |  |
|  |  |  |  | 4 |  | 16655 | 5322 | 244586 | 0.85 | 0.82 | 0.89 | 1.1E-15 |  |  | 20788 | 4777 | 321746 | 0.88 | 0.84 | 0.92 | 2.5E-09 |  |
|  |  |  |  | 5 |  | 19728 | 6235 | 292859 | 0.79 | 0.76 | 0.82 | 1.1E-32 | 2.2E-38 |  | 21869 | 4808 | 342867 | 0.80 | 0.76 | 0.83 | 1.6E-25 | 6.5E-29 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | CVD | aMED | No | 1 |  | 17326 | 2171 | 248732 | 1.00 |  |  |  |  |  | 22515 | 1925 | 343173 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 15542 | 1906 | 225718 | 0.95 | 0.89 | 1.01 | 0.10294 |  |  | 19195 | 1602 | 295192 | 0.93 | 0.87 | 0.99 | 0.03403 |  |
|  |  |  |  | 3 |  | 17108 | 2028 | 250678 | 0.90 | 0.85 | 0.96 | 0.00122 |  |  | 20283 | 1573 | 314984 | 0.84 | 0.79 | 0.90 | 4.2E-07 |  |
|  |  |  |  | 4 |  | 15701 | 1819 | 231851 | 0.86 | 0.81 | 0.92 | 2.5E-06 |  |  | 19090 | 1476 | 296557 | 0.85 | 0.79 | 0.91 | 2.6E-06 |  |
|  |  |  |  | 5 |  | 21661 | 2509 | 323737 | 0.83 | 0.78 | 0.88 | 1.4E-10 | 1.7E-12 |  | 25106 | 1991 | 391674 | 0.84 | 0.79 | 0.90 | 1.5E-07 | 1.1E-08 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 17326 | 2171 | 248740 | 1.00 |  |  |  |  |  | 22515 | 1925 | 343199 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 15542 | 1906 | 225728 | 0.94 | 0.89 | 1.00 | 0.05886 |  |  | 19195 | 1602 | 295219 | 0.92 | 0.86 | 0.98 | 0.00948 |  |
|  |  |  |  | 3 |  | 17108 | 2028 | 250702 | 0.89 | 0.84 | 0.95 | 0.00022 |  |  | 20283 | 1573 | 315016 | 0.81 | 0.76 | 0.87 | 4.2E-09 |  |
|  |  |  |  | 4 |  | 15701 | 1819 | 231869 | 0.84 | 0.78 | 0.89 | 1.2E-07 |  |  | 19090 | 1476 | 296588 | 0.80 | 0.75 | 0.86 | 3.9E-09 |  |
|  |  |  |  | 5 |  | 21661 | 2509 | 323770 | 0.79 | 0.74 | 0.85 | 4.3E-12 | 7.7E-14 |  | 25106 | 1991 | 391704 | 0.78 | 0.72 | 0.84 | 1.8E-11 | 4.2E-13 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 15851 | 1782 | 231400 | 1.00 |  |  |  |  |  | 19415 | 1500 | 298316 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 16334 | 1917 | 237731 | 0.95 | 0.89 | 1.01 | 0.0976 |  |  | 20555 | 1673 | 315567 | 0.95 | 0.89 | 1.02 | 0.1472 |  |
|  |  |  |  | 3 |  | 18770 | 2253 | 274233 | 0.89 | 0.84 | 0.95 | 0.00035 |  |  | 23562 | 1938 | 363230 | 0.90 | 0.84 | 0.96 | 0.00158 |  |
|  |  |  |  | 4 |  | 16655 | 2071 | 244586 | 0.88 | 0.82 | 0.94 | 9.5E-05 |  |  | 20788 | 1749 | 321746 | 0.88 | 0.82 | 0.94 | 0.00039 |  |
|  |  |  |  | 5 |  | 19728 | 2410 | 292859 | 0.81 | 0.76 | 0.86 | 2.8E-11 | 2.9E-12 |  | 21869 | 1707 | 342867 | 0.77 | 0.72 | 0.83 | 3E-12 | 4.8E-13 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cancer | aMED | No | 1 |  | 17326 | 1891 | 248732 | 1.00 |  |  |  |  |  | 22515 | 1665 | 343173 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 15542 | 1602 | 225718 | 0.94 | 0.88 | 1.00 | 0.05341 |  |  | 19195 | 1396 | 295192 | 0.98 | 0.91 | 1.05 | 0.49181 |  |
|  |  |  |  | 3 |  | 17108 | 1731 | 250678 | 0.92 | 0.86 | 0.99 | 0.01703 |  |  | 20283 | 1392 | 314984 | 0.91 | 0.85 | 0.98 | 0.0081 |  |
|  |  |  |  | 4 |  | 15701 | 1556 | 231851 | 0.90 | 0.84 | 0.97 | 0.0035 |  |  | 19090 | 1397 | 296557 | 0.99 | 0.92 | 1.06 | 0.74145 |  |
|  |  |  |  | 5 |  | 21661 | 2031 | 323737 | 0.84 | 0.79 | 0.90 | 1.5E-07 | 2.1E-07 |  | 25106 | 1753 | 391674 | 0.92 | 0.86 | 0.99 | 0.02105 | 0.05069 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 17326 | 1891 | 248740 | 1.00 |  |  |  |  |  | 22515 | 1665 | 343199 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 15542 | 1602 | 225728 | 0.92 | 0.86 | 0.99 | 0.01879 |  |  | 19195 | 1396 | 295219 | 0.96 | 0.90 | 1.03 | 0.30159 |  |
|  |  |  |  | 3 |  | 17108 | 1731 | 250702 | 0.90 | 0.84 | 0.96 | 0.00141 |  |  | 20283 | 1392 | 315016 | 0.89 | 0.82 | 0.95 | 0.00116 |  |
|  |  |  |  | 4 |  | 15701 | 1556 | 231869 | 0.86 | 0.80 | 0.93 | 4.2E-05 |  |  | 19090 | 1397 | 296588 | 0.95 | 0.88 | 1.02 | 0.17871 |  |
|  |  |  |  | 5 |  | 21661 | 2031 | 323770 | 0.79 | 0.73 | 0.84 | 3.5E-11 | 3.9E-11 |  | 25106 | 1753 | 391704 | 0.87 | 0.80 | 0.94 | 0.00042 | 0.00102 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 15851 | 1652 | 231400 | 1.00 |  |  |  |  |  | 19415 | 1420 | 298316 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 16334 | 1731 | 237731 | 0.97 | 0.90 | 1.04 | 0.34797 |  |  | 20555 | 1462 | 315567 | 0.95 | 0.88 | 1.02 | 0.13507 |  |
|  |  |  |  | 3 |  | 18770 | 1885 | 274233 | 0.90 | 0.84 | 0.96 | 0.00153 |  |  | 23562 | 1668 | 363230 | 0.90 | 0.84 | 0.97 | 0.00515 |  |
|  |  |  |  | 4 |  | 16655 | 1625 | 244586 | 0.86 | 0.80 | 0.92 | 1.5E-05 |  |  | 20788 | 1489 | 321746 | 0.91 | 0.85 | 0.98 | 0.01694 |  |
|  |  |  |  | 5 |  | 19728 | 1918 | 292859 | 0.81 | 0.76 | 0.87 | 3.6E-09 | 1.3E-11 |  | 21869 | 1564 | 342867 | 0.88 | 0.81 | 0.94 | 0.00055 | 0.00062 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| White | All causes | aMED | No | 1 |  | 4202 | 1440 | 60836 | 1.00 |  |  |  |  |  | 5779 | 1444 | 88509 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 3675 | 1158 | 54647 | 0.91 | 0.84 | 0.98 | 0.01407 |  |  | 4616 | 1059 | 71913 | 0.90 | 0.83 | 0.97 | 0.00756 |  |
|  |  |  |  | 3 |  | 4276 | 1254 | 64482 | 0.85 | 0.78 | 0.91 | 1.9E-05 |  |  | 4797 | 999 | 75314 | 0.85 | 0.78 | 0.92 | 5.5E-05 |  |
|  |  |  |  | 4 |  | 3999 | 1118 | 61099 | 0.82 | 0.76 | 0.89 | 1.8E-06 |  |  | 4502 | 918 | 71289 | 0.84 | 0.77 | 0.91 | 4E-05 |  |
|  |  |  |  | 5 |  | 5840 | 1413 | 91571 | 0.74 | 0.68 | 0.79 | 1.5E-15 | 3.1E-16 |  | 5852 | 1078 | 93886 | 0.80 | 0.74 | 0.87 | 1.5E-07 | 4.6E-08 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 4202 | 1440 | 60843 | 1.00 |  |  |  |  |  | 5779 | 1444 | 88519 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 3675 | 1158 | 54655 | 0.90 | 0.83 | 0.97 | 0.00603 |  |  | 4616 | 1059 | 71922 | 0.88 | 0.81 | 0.96 | 0.00213 |  |
|  |  |  |  | 3 |  | 4276 | 1254 | 64494 | 0.83 | 0.77 | 0.89 | 1.5E-06 |  |  | 4797 | 999 | 75330 | 0.82 | 0.76 | 0.89 | 3.9E-06 |  |
|  |  |  |  | 4 |  | 3999 | 1118 | 61107 | 0.79 | 0.73 | 0.86 | 2.6E-08 |  |  | 4502 | 918 | 71301 | 0.80 | 0.73 | 0.88 | 8.9E-07 |  |
|  |  |  |  | 5 |  | 5840 | 1413 | 91583 | 0.70 | 0.64 | 0.75 | 2.2E-18 | 4E-19 |  | 5852 | 1078 | 93897 | 0.75 | 0.69 | 0.82 | 7.8E-10 | 2E-10 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 3868 | 1264 | 56771 | 1.00 |  |  |  |  |  | 4605 | 1111 | 70945 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 3668 | 1162 | 54439 | 0.93 | 0.86 | 1.01 | 0.06866 |  |  | 4755 | 1098 | 73796 | 0.96 | 0.89 | 1.05 | 0.3736 |  |
|  |  |  |  | 3 |  | 4450 | 1280 | 67284 | 0.81 | 0.75 | 0.87 | 9.8E-08 |  |  | 5484 | 1175 | 85874 | 0.88 | 0.81 | 0.96 | 0.00379 |  |
|  |  |  |  | 4 |  | 4238 | 1182 | 64760 | 0.79 | 0.73 | 0.86 | 2.7E-08 |  |  | 5091 | 1056 | 80293 | 0.85 | 0.78 | 0.92 | 0.00015 |  |
|  |  |  |  | 5 |  | 5768 | 1495 | 89429 | 0.73 | 0.67 | 0.79 | 2.1E-15 | 8.3E-18 |  | 5611 | 1058 | 90061 | 0.77 | 0.70 | 0.84 | 2.4E-09 | 4.6E-11 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | CVD | aMED | No | 1 |  | 4202 | 495 | 60836 | 1.00 |  |  |  |  |  | 5779 | 438 | 88509 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 3675 | 415 | 54647 | 0.94 | 0.82 | 1.07 | 0.32333 |  |  | 4616 | 325 | 71913 | 0.89 | 0.77 | 1.03 | 0.11637 |  |
|  |  |  |  | 3 |  | 4276 | 464 | 64482 | 0.89 | 0.78 | 1.01 | 0.06657 |  |  | 4797 | 313 | 75314 | 0.86 | 0.74 | 1.00 | 0.04444 |  |
|  |  |  |  | 4 |  | 3999 | 415 | 61099 | 0.86 | 0.76 | 0.98 | 0.02689 |  |  | 4502 | 288 | 71289 | 0.84 | 0.73 | 0.98 | 0.02877 |  |
|  |  |  |  | 5 |  | 5840 | 529 | 91571 | 0.78 | 0.68 | 0.88 | 7.5E-05 | 4E-05 |  | 5852 | 313 | 93886 | 0.76 | 0.66 | 0.88 | 0.00034 | 0.0004 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 4202 | 495 | 60843 | 1.00 |  |  |  |  |  | 5779 | 438 | 88519 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 3675 | 415 | 54655 | 0.93 | 0.82 | 1.06 | 0.27993 |  |  | 4616 | 325 | 71922 | 0.88 | 0.76 | 1.02 | 0.0881 |  |
|  |  |  |  | 3 |  | 4276 | 464 | 64494 | 0.88 | 0.77 | 1.00 | 0.04569 |  |  | 4797 | 313 | 75330 | 0.84 | 0.73 | 0.98 | 0.0273 |  |
|  |  |  |  | 4 |  | 3999 | 415 | 61107 | 0.84 | 0.74 | 0.97 | 0.01493 |  |  | 4502 | 288 | 71301 | 0.82 | 0.70 | 0.96 | 0.0146 |  |
|  |  |  |  | 5 |  | 5840 | 529 | 91583 | 0.75 | 0.66 | 0.86 | 4.4E-05 | 2.7E-05 |  | 5852 | 313 | 93897 | 0.73 | 0.62 | 0.86 | 0.00018 | 0.00023 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 3868 | 422 | 56771 | 1.00 |  |  |  |  |  | 4605 | 344 | 70945 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 3668 | 412 | 54439 | 0.97 | 0.85 | 1.12 | 0.70556 |  |  | 4755 | 336 | 73796 | 0.94 | 0.81 | 1.09 | 0.42298 |  |
|  |  |  |  | 3 |  | 4450 | 466 | 67284 | 0.83 | 0.73 | 0.95 | 0.00637 |  |  | 5484 | 345 | 85874 | 0.81 | 0.70 | 0.95 | 0.00802 |  |
|  |  |  |  | 4 |  | 4238 | 447 | 64760 | 0.85 | 0.74 | 0.97 | 0.01977 |  |  | 5091 | 329 | 80293 | 0.81 | 0.70 | 0.95 | 0.00804 |  |
|  |  |  |  | 5 |  | 5768 | 571 | 89429 | 0.78 | 0.68 | 0.88 | 0.00014 | 2.5E-05 |  | 5611 | 323 | 90061 | 0.73 | 0.62 | 0.85 | 6.4E-05 | 1.4E-05 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cancer | aMED | No | 1 |  | 4202 | 474 | 60836 | 1.00 |  |  |  |  |  | 5779 | 465 | 88509 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 3675 | 375 | 54647 | 0.90 | 0.79 | 1.03 | 0.14104 |  |  | 4616 | 354 | 71913 | 0.97 | 0.84 | 1.11 | 0.6416 |  |
|  |  |  |  | 3 |  | 4276 | 402 | 64482 | 0.85 | 0.74 | 0.97 | 0.0171 |  |  | 4797 | 340 | 75314 | 0.92 | 0.80 | 1.06 | 0.26176 |  |
|  |  |  |  | 4 |  | 3999 | 366 | 61099 | 0.85 | 0.74 | 0.98 | 0.02063 |  |  | 4502 | 305 | 71289 | 0.91 | 0.79 | 1.05 | 0.212 |  |
|  |  |  |  | 5 |  | 5840 | 458 | 91571 | 0.75 | 0.66 | 0.86 | 2.2E-05 | 2.8E-05 |  | 5852 | 382 | 93886 | 0.92 | 0.80 | 1.06 | 0.25372 | 0.17057 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 4202 | 474 | 60843 | 1.00 |  |  |  |  |  | 5779 | 465 | 88519 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 3675 | 375 | 54655 | 0.89 | 0.78 | 1.02 | 0.10276 |  |  | 4616 | 354 | 71922 | 0.96 | 0.83 | 1.10 | 0.52235 |  |
|  |  |  |  | 3 |  | 4276 | 402 | 64494 | 0.83 | 0.72 | 0.95 | 0.00725 |  |  | 4797 | 340 | 75330 | 0.90 | 0.78 | 1.04 | 0.16768 |  |
|  |  |  |  | 4 |  | 3999 | 366 | 61107 | 0.82 | 0.71 | 0.94 | 0.00538 |  |  | 4502 | 305 | 71301 | 0.88 | 0.76 | 1.03 | 0.10821 |  |
|  |  |  |  | 5 |  | 5840 | 458 | 91583 | 0.71 | 0.62 | 0.82 | 2.3E-06 | 2.7E-06 |  | 5852 | 382 | 93897 | 0.88 | 0.75 | 1.03 | 0.10536 | 0.06445 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 3868 | 436 | 56771 | 1.00 |  |  |  |  |  | 4605 | 372 | 70945 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 3668 | 372 | 54439 | 0.88 | 0.77 | 1.01 | 0.07403 |  |  | 4755 | 350 | 73796 | 0.94 | 0.82 | 1.09 | 0.44473 |  |
|  |  |  |  | 3 |  | 4450 | 412 | 67284 | 0.81 | 0.70 | 0.92 | 0.00194 |  |  | 5484 | 396 | 85874 | 0.93 | 0.81 | 1.08 | 0.34308 |  |
|  |  |  |  | 4 |  | 4238 | 362 | 64760 | 0.75 | 0.65 | 0.86 | 7.1E-05 |  |  | 5091 | 352 | 80293 | 0.91 | 0.78 | 1.06 | 0.20936 |  |
|  |  |  |  | 5 |  | 5768 | 493 | 89429 | 0.76 | 0.66 | 0.87 | 6.6E-05 | 1.4E-05 |  | 5611 | 376 | 90061 | 0.89 | 0.77 | 1.03 | 0.12861 | 0.11902 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Black | All causes | aMED | No | 1 |  | 2861 | 1416 | 36704 | 1.00 |  |  |  |  |  | 4691 | 1619 | 66824 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 2258 | 1063 | 29308 | 0.93 | 0.86 | 1.01 | 0.08913 |  |  | 3949 | 1324 | 56919 | 0.94 | 0.87 | 1.01 | 0.07705 |  |
|  |  |  |  | 3 |  | 2312 | 999 | 31135 | 0.86 | 0.79 | 0.94 | 0.00036 |  |  | 3927 | 1283 | 57224 | 0.89 | 0.82 | 0.95 | 0.00126 |  |
|  |  |  |  | 4 |  | 2010 | 875 | 27002 | 0.86 | 0.79 | 0.94 | 0.00075 |  |  | 3580 | 1152 | 52131 | 0.90 | 0.83 | 0.97 | 0.00568 |  |
|  |  |  |  | 5 |  | 2771 | 1168 | 37506 | 0.84 | 0.78 | 0.91 | 2.5E-05 | 5E-06 |  | 4980 | 1536 | 73099 | 0.85 | 0.79 | 0.91 | 6.2E-06 | 5.7E-06 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 2861 | 1416 | 36700 | 1.00 |  |  |  |  |  | 4691 | 1619 | 66828 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 2258 | 1063 | 29309 | 0.92 | 0.85 | 1.00 | 0.0409 |  |  | 3949 | 1324 | 56922 | 0.91 | 0.85 | 0.98 | 0.0116 |  |
|  |  |  |  | 3 |  | 2312 | 999 | 31136 | 0.84 | 0.77 | 0.91 | 3.2E-05 |  |  | 3927 | 1283 | 57228 | 0.84 | 0.78 | 0.90 | 5.1E-06 |  |
|  |  |  |  | 4 |  | 2010 | 875 | 27002 | 0.82 | 0.75 | 0.90 | 2.6E-05 |  |  | 3580 | 1152 | 52135 | 0.82 | 0.76 | 0.89 | 1.4E-06 |  |
|  |  |  |  | 5 |  | 2771 | 1168 | 37507 | 0.78 | 0.72 | 0.86 | 1.9E-07 | 2.3E-08 |  | 4980 | 1536 | 73102 | 0.73 | 0.68 | 0.80 | 3.2E-13 | 1.3E-13 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 2080 | 965 | 27388 | 1.00 |  |  |  |  |  | 3500 | 1199 | 50032 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 2235 | 1024 | 29272 | 0.94 | 0.86 | 1.02 | 0.14479 |  |  | 4017 | 1350 | 57757 | 0.91 | 0.84 | 0.98 | 0.01254 |  |
|  |  |  |  | 3 |  | 2715 | 1266 | 35532 | 0.92 | 0.84 | 1.00 | 0.04074 |  |  | 4870 | 1634 | 70200 | 0.87 | 0.81 | 0.94 | 0.00032 |  |
|  |  |  |  | 4 |  | 2391 | 1090 | 31623 | 0.89 | 0.82 | 0.98 | 0.01182 |  |  | 4274 | 1406 | 62235 | 0.84 | 0.78 | 0.91 | 1.7E-05 |  |
|  |  |  |  | 5 |  | 2791 | 1176 | 37838 | 0.80 | 0.73 | 0.87 | 6.4E-07 | 5.6E-07 |  | 4466 | 1325 | 65991 | 0.73 | 0.68 | 0.80 | 4.3E-14 | 3.7E-14 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | CVD | aMED | No | 1 |  | 2861 | 585 | 36704 | 1.00 |  |  |  |  |  | 4691 | 679 | 66824 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 2258 | 435 | 29308 | 0.92 | 0.81 | 1.04 | 0.17999 |  |  | 3949 | 569 | 56919 | 0.96 | 0.85 | 1.07 | 0.42348 |  |
|  |  |  |  | 3 |  | 2312 | 389 | 31135 | 0.80 | 0.71 | 0.91 | 0.00084 |  |  | 3927 | 520 | 57224 | 0.84 | 0.75 | 0.94 | 0.00284 |  |
|  |  |  |  | 4 |  | 2010 | 342 | 27002 | 0.79 | 0.69 | 0.90 | 0.00054 |  |  | 3580 | 489 | 52131 | 0.90 | 0.80 | 1.01 | 0.06388 |  |
|  |  |  |  | 5 |  | 2771 | 479 | 37506 | 0.81 | 0.72 | 0.91 | 0.00069 | 6.8E-05 |  | 4980 | 666 | 73099 | 0.88 | 0.79 | 0.98 | 0.02053 | 0.01139 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 2861 | 585 | 36700 | 1.00 |  |  |  |  |  | 4691 | 679 | 66828 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 2258 | 435 | 29309 | 0.91 | 0.80 | 1.03 | 0.13835 |  |  | 3949 | 569 | 56922 | 0.93 | 0.83 | 1.04 | 0.1985 |  |
|  |  |  |  | 3 |  | 2312 | 389 | 31136 | 0.79 | 0.69 | 0.90 | 0.00039 |  |  | 3927 | 520 | 57228 | 0.80 | 0.71 | 0.89 | 0.00014 |  |
|  |  |  |  | 4 |  | 2010 | 342 | 27002 | 0.76 | 0.66 | 0.88 | 0.00021 |  |  | 3580 | 489 | 52135 | 0.82 | 0.72 | 0.93 | 0.00158 |  |
|  |  |  |  | 5 |  | 2771 | 479 | 37507 | 0.77 | 0.67 | 0.89 | 0.00032 | 3E-05 |  | 4980 | 666 | 73102 | 0.76 | 0.67 | 0.87 | 3.1E-05 | 7.4E-06 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 2080 | 386 | 27388 | 1.00 |  |  |  |  |  | 3500 | 490 | 50032 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 2235 | 423 | 29272 | 0.94 | 0.82 | 1.08 | 0.36319 |  |  | 4017 | 575 | 57757 | 0.93 | 0.82 | 1.05 | 0.21568 |  |
|  |  |  |  | 3 |  | 2715 | 503 | 35532 | 0.88 | 0.77 | 1.01 | 0.06433 |  |  | 4870 | 691 | 70200 | 0.88 | 0.79 | 0.99 | 0.03798 |  |
|  |  |  |  | 4 |  | 2391 | 441 | 31623 | 0.85 | 0.74 | 0.98 | 0.02224 |  |  | 4274 | 612 | 62235 | 0.87 | 0.77 | 0.98 | 0.02557 |  |
|  |  |  |  | 5 |  | 2791 | 477 | 37838 | 0.78 | 0.68 | 0.90 | 0.00044 | 0.00016 |  | 4466 | 555 | 65991 | 0.74 | 0.65 | 0.84 | 1.8E-06 | 1.9E-06 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cancer | aMED | No | 1 |  | 2861 | 462 | 36704 | 1.00 |  |  |  |  |  | 4691 | 469 | 66824 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 2258 | 345 | 29308 | 0.94 | 0.81 | 1.08 | 0.34815 |  |  | 3949 | 397 | 56919 | 0.99 | 0.86 | 1.13 | 0.82489 |  |
|  |  |  |  | 3 |  | 2312 | 336 | 31135 | 0.90 | 0.78 | 1.04 | 0.15468 |  |  | 3927 | 406 | 57224 | 1.00 | 0.87 | 1.14 | 0.9925 |  |
|  |  |  |  | 4 |  | 2010 | 297 | 27002 | 0.94 | 0.81 | 1.09 | 0.42302 |  |  | 3580 | 372 | 52131 | 1.05 | 0.91 | 1.20 | 0.52842 |  |
|  |  |  |  | 5 |  | 2771 | 369 | 37506 | 0.86 | 0.75 | 0.98 | 0.02923 | 0.0485 |  | 4980 | 469 | 73099 | 0.92 | 0.81 | 1.04 | 0.19284 | 0.37282 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 2861 | 462 | 36700 | 1.00 |  |  |  |  |  | 4691 | 469 | 66828 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 2258 | 345 | 29309 | 0.92 | 0.80 | 1.06 | 0.26749 |  |  | 3949 | 397 | 56922 | 0.96 | 0.84 | 1.10 | 0.57 |  |
|  |  |  |  | 3 |  | 2312 | 336 | 31136 | 0.88 | 0.76 | 1.02 | 0.0856 |  |  | 3927 | 406 | 57228 | 0.96 | 0.83 | 1.10 | 0.51423 |  |
|  |  |  |  | 4 |  | 2010 | 297 | 27002 | 0.91 | 0.77 | 1.06 | 0.20899 |  |  | 3580 | 372 | 52135 | 0.97 | 0.84 | 1.12 | 0.65031 |  |
|  |  |  |  | 5 |  | 2771 | 369 | 37507 | 0.81 | 0.69 | 0.95 | 0.00812 | 0.01364 |  | 4980 | 469 | 73102 | 0.81 | 0.70 | 0.94 | 0.00698 | 0.01913 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 2080 | 305 | 27388 | 1.00 |  |  |  |  |  | 3500 | 375 | 50032 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 2235 | 359 | 29272 | 1.06 | 0.91 | 1.24 | 0.4493 |  |  | 4017 | 385 | 57757 | 0.87 | 0.75 | 1.00 | 0.05144 |  |
|  |  |  |  | 3 |  | 2715 | 409 | 35532 | 0.99 | 0.85 | 1.15 | 0.90067 |  |  | 4870 | 493 | 70200 | 0.89 | 0.78 | 1.02 | 0.09158 |  |
|  |  |  |  | 4 |  | 2391 | 347 | 31623 | 0.99 | 0.85 | 1.16 | 0.94342 |  |  | 4274 | 428 | 62235 | 0.90 | 0.78 | 1.04 | 0.15493 |  |
|  |  |  |  | 5 |  | 2791 | 389 | 37838 | 0.90 | 0.77 | 1.05 | 0.16905 | 0.08191 |  | 4466 | 432 | 65991 | 0.84 | 0.73 | 0.97 | 0.01736 | 0.07014 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hawaiian | All causes | aMED | No | 1 |  | 1102 | 369 | 16093 | 1.00 |  |  |  |  |  | 1444 | 349 | 22316 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 980 | 327 | 14496 | 0.92 | 0.79 | 1.07 | 0.28156 |  |  | 1205 | 291 | 18557 | 0.92 | 0.79 | 1.08 | 0.32565 |  |
|  |  |  |  | 3 |  | 1174 | 398 | 17374 | 0.99 | 0.86 | 1.14 | 0.9171 |  |  | 1441 | 324 | 22601 | 0.83 | 0.71 | 0.96 | 0.01374 |  |
|  |  |  |  | 4 |  | 1107 | 400 | 16170 | 0.98 | 0.85 | 1.13 | 0.81639 |  |  | 1477 | 394 | 22812 | 0.99 | 0.86 | 1.15 | 0.93394 |  |
|  |  |  |  | 5 |  | 1688 | 575 | 24814 | 0.96 | 0.84 | 1.09 | 0.50985 | 0.82063 |  | 2271 | 652 | 34860 | 0.97 | 0.85 | 1.10 | 0.59913 | 0.82707 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 1102 | 369 | 16094 | 1.00 |  |  |  |  |  | 1444 | 349 | 22317 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 980 | 327 | 14495 | 0.91 | 0.78 | 1.05 | 0.20019 |  |  | 1205 | 291 | 18559 | 0.91 | 0.78 | 1.07 | 0.26551 |  |
|  |  |  |  | 3 |  | 1174 | 398 | 17375 | 0.96 | 0.83 | 1.11 | 0.59355 |  |  | 1441 | 324 | 22602 | 0.81 | 0.69 | 0.94 | 0.00699 |  |
|  |  |  |  | 4 |  | 1107 | 400 | 16174 | 0.93 | 0.80 | 1.08 | 0.35008 |  |  | 1477 | 394 | 22814 | 0.96 | 0.82 | 1.12 | 0.57697 |  |
|  |  |  |  | 5 |  | 1688 | 575 | 24820 | 0.88 | 0.76 | 1.02 | 0.09866 | 0.17817 |  | 2271 | 652 | 34863 | 0.91 | 0.78 | 1.06 | 0.22245 | 0.47082 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 1256 | 421 | 18419 | 1.00 |  |  |  |  |  | 1640 | 359 | 25532 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 1239 | 400 | 18301 | 0.96 | 0.83 | 1.10 | 0.52682 |  |  | 1658 | 418 | 25485 | 1.02 | 0.88 | 1.18 | 0.78143 |  |
|  |  |  |  | 3 |  | 1299 | 459 | 19096 | 0.95 | 0.83 | 1.09 | 0.4451 |  |  | 1747 | 426 | 27170 | 0.90 | 0.78 | 1.03 | 0.13383 |  |
|  |  |  |  | 4 |  | 1109 | 377 | 16568 | 0.89 | 0.77 | 1.02 | 0.09968 |  |  | 1397 | 407 | 21352 | 1.02 | 0.88 | 1.18 | 0.80577 |  |
|  |  |  |  | 5 |  | 1148 | 412 | 16573 | 0.90 | 0.78 | 1.04 | 0.15522 | 0.0885 |  | 1396 | 400 | 21615 | 0.95 | 0.82 | 1.11 | 0.52384 | 0.55569 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | CVD | aMED | No | 1 |  | 1102 | 155 | 16093 | 1.00 |  |  |  |  |  | 1444 | 114 | 22316 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 980 | 126 | 14496 | 0.83 | 0.65 | 1.05 | 0.11399 |  |  | 1205 | 99 | 18557 | 0.94 | 0.72 | 1.23 | 0.64802 |  |
|  |  |  |  | 3 |  | 1174 | 162 | 17374 | 0.96 | 0.77 | 1.20 | 0.71332 |  |  | 1441 | 106 | 22601 | 0.81 | 0.62 | 1.05 | 0.11482 |  |
|  |  |  |  | 4 |  | 1107 | 155 | 16170 | 0.89 | 0.71 | 1.12 | 0.33062 |  |  | 1477 | 135 | 22812 | 1.01 | 0.79 | 1.30 | 0.93277 |  |
|  |  |  |  | 5 |  | 1688 | 236 | 24814 | 0.90 | 0.73 | 1.11 | 0.32296 | 0.58894 |  | 2271 | 245 | 34860 | 1.04 | 0.83 | 1.31 | 0.70734 | 0.36235 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 1102 | 155 | 16094 | 1.00 |  |  |  |  |  | 1444 | 114 | 22317 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 980 | 126 | 14495 | 0.81 | 0.64 | 1.03 | 0.08485 |  |  | 1205 | 99 | 18559 | 0.92 | 0.70 | 1.21 | 0.56866 |  |
|  |  |  |  | 3 |  | 1174 | 162 | 17375 | 0.92 | 0.74 | 1.16 | 0.49292 |  |  | 1441 | 106 | 22602 | 0.78 | 0.60 | 1.02 | 0.07412 |  |
|  |  |  |  | 4 |  | 1107 | 155 | 16174 | 0.84 | 0.66 | 1.06 | 0.1455 |  |  | 1477 | 135 | 22814 | 0.96 | 0.73 | 1.25 | 0.74208 |  |
|  |  |  |  | 5 |  | 1688 | 236 | 24820 | 0.82 | 0.65 | 1.03 | 0.09147 | 0.17767 |  | 2271 | 245 | 34863 | 0.96 | 0.74 | 1.24 | 0.73224 | 0.97889 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 1256 | 174 | 18419 | 1.00 |  |  |  |  |  | 1640 | 117 | 25532 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 1239 | 159 | 18301 | 0.89 | 0.72 | 1.10 | 0.28614 |  |  | 1658 | 145 | 25485 | 1.07 | 0.84 | 1.37 | 0.59477 |  |
|  |  |  |  | 3 |  | 1299 | 174 | 19096 | 0.85 | 0.68 | 1.05 | 0.12307 |  |  | 1747 | 141 | 27170 | 0.89 | 0.69 | 1.14 | 0.36163 |  |
|  |  |  |  | 4 |  | 1109 | 159 | 16568 | 0.85 | 0.69 | 1.06 | 0.16101 |  |  | 1397 | 155 | 21352 | 1.08 | 0.84 | 1.38 | 0.53979 |  |
|  |  |  |  | 5 |  | 1148 | 168 | 16573 | 0.83 | 0.66 | 1.03 | 0.09099 | 0.09937 |  | 1396 | 141 | 21615 | 0.99 | 0.77 | 1.28 | 0.96142 | 0.99968 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cancer | aMED | No | 1 |  | 1102 | 108 | 16093 | 1.00 |  |  |  |  |  | 1444 | 117 | 22316 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 980 | 97 | 14496 | 0.99 | 0.75 | 1.31 | 0.96526 |  |  | 1205 | 100 | 18557 | 1.00 | 0.77 | 1.31 | 0.99613 |  |
|  |  |  |  | 3 |  | 1174 | 134 | 17374 | 1.14 | 0.89 | 1.48 | 0.30034 |  |  | 1441 | 110 | 22601 | 0.89 | 0.68 | 1.15 | 0.36661 |  |
|  |  |  |  | 4 |  | 1107 | 125 | 16170 | 1.10 | 0.85 | 1.43 | 0.45884 |  |  | 1477 | 133 | 22812 | 1.08 | 0.84 | 1.38 | 0.56707 |  |
|  |  |  |  | 5 |  | 1688 | 167 | 24814 | 1.04 | 0.81 | 1.33 | 0.77563 | 0.64242 |  | 2271 | 185 | 34860 | 0.96 | 0.76 | 1.21 | 0.71252 | 0.91608 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 1102 | 108 | 16094 | 1.00 |  |  |  |  |  | 1444 | 117 | 22317 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 980 | 97 | 14495 | 0.97 | 0.74 | 1.28 | 0.85047 |  |  | 1205 | 100 | 18559 | 1.00 | 0.77 | 1.31 | 0.98828 |  |
|  |  |  |  | 3 |  | 1174 | 134 | 17375 | 1.10 | 0.85 | 1.43 | 0.47747 |  |  | 1441 | 110 | 22602 | 0.89 | 0.68 | 1.16 | 0.38492 |  |
|  |  |  |  | 4 |  | 1107 | 125 | 16174 | 1.03 | 0.78 | 1.36 | 0.8252 |  |  | 1477 | 133 | 22814 | 1.08 | 0.83 | 1.41 | 0.56592 |  |
|  |  |  |  | 5 |  | 1688 | 167 | 24820 | 0.94 | 0.71 | 1.23 | 0.65364 | 0.73293 |  | 2271 | 185 | 34863 | 0.96 | 0.73 | 1.26 | 0.78658 | 0.9652 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 1256 | 139 | 18419 | 1.00 |  |  |  |  |  | 1640 | 123 | 25532 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 1239 | 114 | 18301 | 0.89 | 0.69 | 1.14 | 0.36743 |  |  | 1658 | 135 | 25485 | 1.01 | 0.79 | 1.29 | 0.95789 |  |
|  |  |  |  | 3 |  | 1299 | 159 | 19096 | 1.07 | 0.85 | 1.35 | 0.57496 |  |  | 1747 | 144 | 27170 | 0.97 | 0.76 | 1.24 | 0.81043 |  |
|  |  |  |  | 4 |  | 1109 | 95 | 16568 | 0.77 | 0.59 | 1.01 | 0.05779 |  |  | 1397 | 120 | 21352 | 1.04 | 0.80 | 1.35 | 0.76964 |  |
|  |  |  |  | 5 |  | 1148 | 124 | 16573 | 0.96 | 0.75 | 1.24 | 0.77106 | 0.50127 |  | 1396 | 123 | 21615 | 1.00 | 0.77 | 1.30 | 0.98838 | 0.93357 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Japanese | All causes | aMED | No | 1 |  | 4487 | 1264 | 67861 | 1.00 |  |  |  |  |  | 5247 | 869 | 84209 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4412 | 1328 | 66426 | 0.98 | 0.91 | 1.06 | 0.66544 |  |  | 4958 | 900 | 79467 | 0.99 | 0.90 | 1.09 | 0.86873 |  |
|  |  |  |  | 3 |  | 5083 | 1544 | 76296 | 0.93 | 0.86 | 1.00 | 0.06146 |  |  | 5597 | 991 | 90661 | 0.85 | 0.78 | 0.93 | 0.00051 |  |
|  |  |  |  | 4 |  | 4805 | 1500 | 72299 | 0.92 | 0.85 | 0.99 | 0.02486 |  |  | 5438 | 1018 | 87475 | 0.87 | 0.79 | 0.95 | 0.00197 |  |
|  |  |  |  | 5 |  | 7158 | 2315 | 107851 | 0.84 | 0.78 | 0.90 | 5.6E-07 | 1.5E-08 |  | 7699 | 1506 | 123951 | 0.83 | 0.76 | 0.90 | 1.3E-05 | 3.5E-07 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 4487 | 1264 | 67863 | 1.00 |  |  |  |  |  | 5247 | 869 | 84215 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4412 | 1328 | 66428 | 0.98 | 0.90 | 1.05 | 0.52192 |  |  | 4958 | 900 | 79473 | 0.98 | 0.90 | 1.08 | 0.72369 |  |
|  |  |  |  | 3 |  | 5083 | 1544 | 76301 | 0.91 | 0.85 | 0.99 | 0.01916 |  |  | 5597 | 991 | 90669 | 0.83 | 0.76 | 0.92 | 0.00013 |  |
|  |  |  |  | 4 |  | 4805 | 1500 | 72301 | 0.89 | 0.82 | 0.96 | 0.00332 |  |  | 5438 | 1018 | 87483 | 0.84 | 0.76 | 0.92 | 0.00033 |  |
|  |  |  |  | 5 |  | 7158 | 2315 | 107861 | 0.80 | 0.74 | 0.86 | 8E-09 | 2.5E-10 |  | 7699 | 1506 | 123962 | 0.79 | 0.72 | 0.87 | 1.3E-06 | 3.9E-08 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 3835 | 1024 | 58476 | 1.00 |  |  |  |  |  | 3970 | 559 | 64478 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4407 | 1290 | 66677 | 0.94 | 0.87 | 1.03 | 0.17444 |  |  | 4749 | 815 | 76498 | 1.04 | 0.93 | 1.16 | 0.48234 |  |
|  |  |  |  | 3 |  | 5447 | 1621 | 82384 | 0.85 | 0.79 | 0.92 | 7.5E-05 |  |  | 6432 | 1190 | 103349 | 0.97 | 0.88 | 1.08 | 0.61203 |  |
|  |  |  |  | 4 |  | 5323 | 1703 | 79536 | 0.83 | 0.77 | 0.90 | 3.5E-06 |  |  | 6211 | 1183 | 99714 | 0.92 | 0.83 | 1.02 | 0.11507 |  |
|  |  |  |  | 5 |  | 6933 | 2313 | 103680 | 0.77 | 0.71 | 0.83 | 2.5E-11 | 5E-14 |  | 7577 | 1537 | 121763 | 0.86 | 0.78 | 0.95 | 0.00309 | 7.8E-06 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | CVD | aMED | No | 1 |  | 4487 | 433 | 67861 | 1.00 |  |  |  |  |  | 5247 | 307 | 84209 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4412 | 462 | 66426 | 0.99 | 0.87 | 1.13 | 0.92996 |  |  | 4958 | 321 | 79467 | 0.98 | 0.84 | 1.15 | 0.82457 |  |
|  |  |  |  | 3 |  | 5083 | 563 | 76296 | 0.96 | 0.85 | 1.09 | 0.54487 |  |  | 5597 | 326 | 90661 | 0.76 | 0.65 | 0.88 | 0.00044 |  |
|  |  |  |  | 4 |  | 4805 | 533 | 72299 | 0.92 | 0.81 | 1.04 | 0.18962 |  |  | 5438 | 305 | 87475 | 0.69 | 0.59 | 0.81 | 7E-06 |  |
|  |  |  |  | 5 |  | 7158 | 835 | 107851 | 0.83 | 0.74 | 0.94 | 0.00241 | 0.0003 |  | 7699 | 496 | 123951 | 0.72 | 0.62 | 0.83 | 7.1E-06 | 1.6E-08 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 4487 | 433 | 67863 | 1.00 |  |  |  |  |  | 5247 | 307 | 84215 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4412 | 462 | 66428 | 0.99 | 0.87 | 1.13 | 0.91939 |  |  | 4958 | 321 | 79473 | 0.98 | 0.83 | 1.14 | 0.75798 |  |
|  |  |  |  | 3 |  | 5083 | 563 | 76301 | 0.96 | 0.84 | 1.09 | 0.529 |  |  | 5597 | 326 | 90669 | 0.74 | 0.63 | 0.87 | 0.00028 |  |
|  |  |  |  | 4 |  | 4805 | 533 | 72301 | 0.91 | 0.80 | 1.04 | 0.18802 |  |  | 5438 | 305 | 87483 | 0.68 | 0.57 | 0.80 | 4.6E-06 |  |
|  |  |  |  | 5 |  | 7158 | 835 | 107861 | 0.83 | 0.73 | 0.94 | 0.00451 | 0.00116 |  | 7699 | 496 | 123962 | 0.69 | 0.59 | 0.81 | 1E-05 | 5.5E-08 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 3835 | 343 | 58476 | 1.00 |  |  |  |  |  | 3970 | 188 | 64478 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4407 | 442 | 66677 | 0.95 | 0.83 | 1.10 | 0.50514 |  |  | 4749 | 279 | 76498 | 1.02 | 0.85 | 1.23 | 0.79857 |  |
|  |  |  |  | 3 |  | 5447 | 571 | 82384 | 0.85 | 0.75 | 0.98 | 0.02335 |  |  | 6432 | 394 | 103349 | 0.90 | 0.76 | 1.07 | 0.24355 |  |
|  |  |  |  | 4 |  | 5323 | 629 | 79536 | 0.86 | 0.75 | 0.98 | 0.02377 |  |  | 6211 | 390 | 99714 | 0.84 | 0.70 | 1.00 | 0.04593 |  |
|  |  |  |  | 5 |  | 6933 | 841 | 103680 | 0.76 | 0.67 | 0.87 | 4.9E-05 | 4.9E-06 |  | 7577 | 504 | 121763 | 0.76 | 0.64 | 0.90 | 0.00134 | 8.6E-06 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cancer | aMED | No | 1 |  | 4487 | 411 | 67861 | 1.00 |  |  |  |  |  | 5247 | 269 | 84209 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4412 | 448 | 66426 | 1.05 | 0.92 | 1.20 | 0.48225 |  |  | 4958 | 288 | 79467 | 1.08 | 0.91 | 1.27 | 0.38341 |  |
|  |  |  |  | 3 |  | 5083 | 464 | 76296 | 0.92 | 0.80 | 1.05 | 0.21265 |  |  | 5597 | 291 | 90661 | 0.90 | 0.76 | 1.06 | 0.2076 |  |
|  |  |  |  | 4 |  | 4805 | 449 | 72299 | 0.92 | 0.81 | 1.06 | 0.24721 |  |  | 5438 | 349 | 87475 | 1.09 | 0.93 | 1.28 | 0.30011 |  |
|  |  |  |  | 5 |  | 7158 | 728 | 107851 | 0.92 | 0.82 | 1.05 | 0.2151 | 0.05816 |  | 7699 | 488 | 123951 | 1.04 | 0.89 | 1.21 | 0.64074 | 0.58115 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 4487 | 411 | 67863 | 1.00 |  |  |  |  |  | 5247 | 269 | 84215 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4412 | 448 | 66428 | 1.04 | 0.91 | 1.19 | 0.59904 |  |  | 4958 | 288 | 79473 | 1.07 | 0.91 | 1.27 | 0.42019 |  |
|  |  |  |  | 3 |  | 5083 | 464 | 76301 | 0.89 | 0.78 | 1.02 | 0.10665 |  |  | 5597 | 291 | 90669 | 0.89 | 0.75 | 1.05 | 0.17353 |  |
|  |  |  |  | 4 |  | 4805 | 449 | 72301 | 0.89 | 0.77 | 1.02 | 0.08905 |  |  | 5438 | 349 | 87483 | 1.07 | 0.90 | 1.27 | 0.43127 |  |
|  |  |  |  | 5 |  | 7158 | 728 | 107861 | 0.87 | 0.76 | 0.99 | 0.04056 | 0.0068 |  | 7699 | 488 | 123962 | 1.01 | 0.85 | 1.20 | 0.90678 | 0.88483 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 3835 | 346 | 58476 | 1.00 |  |  |  |  |  | 3970 | 197 | 64478 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4407 | 465 | 66677 | 1.06 | 0.92 | 1.22 | 0.43315 |  |  | 4749 | 263 | 76498 | 1.04 | 0.86 | 1.25 | 0.67676 |  |
|  |  |  |  | 3 |  | 5447 | 489 | 82384 | 0.86 | 0.75 | 0.99 | 0.03067 |  |  | 6432 | 381 | 103349 | 1.02 | 0.86 | 1.22 | 0.79661 |  |
|  |  |  |  | 4 |  | 5323 | 503 | 79536 | 0.85 | 0.74 | 0.98 | 0.02702 |  |  | 6211 | 361 | 99714 | 0.96 | 0.80 | 1.14 | 0.63937 |  |
|  |  |  |  | 5 |  | 6933 | 697 | 103680 | 0.85 | 0.74 | 0.97 | 0.01835 | 0.00055 |  | 7577 | 483 | 121763 | 0.99 | 0.83 | 1.17 | 0.87811 | 0.51632 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Latino | All causes | aMED | No | 1 |  | 4674 | 1363 | 67238 | 1.00 |  |  |  |  |  | 5354 | 1094 | 81316 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4217 | 1182 | 60841 | 0.96 | 0.88 | 1.03 | 0.25473 |  |  | 4467 | 840 | 68336 | 0.91 | 0.83 | 0.99 | 0.03362 |  |
|  |  |  |  | 3 |  | 4263 | 1202 | 61391 | 0.93 | 0.86 | 1.01 | 0.0803 |  |  | 4521 | 823 | 69184 | 0.88 | 0.81 | 0.97 | 0.00791 |  |
|  |  |  |  | 4 |  | 3780 | 997 | 55281 | 0.84 | 0.77 | 0.91 | 3.3E-05 |  |  | 4093 | 727 | 62849 | 0.85 | 0.78 | 0.94 | 0.00106 |  |
|  |  |  |  | 5 |  | 4204 | 1076 | 61995 | 0.84 | 0.78 | 0.91 | 3.1E-05 | 4.6E-07 |  | 4304 | 768 | 65878 | 0.89 | 0.81 | 0.98 | 0.01822 | 0.0044 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 4674 | 1363 | 67240 | 1.00 |  |  |  |  |  | 5354 | 1094 | 81320 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4217 | 1182 | 60842 | 0.94 | 0.87 | 1.02 | 0.11719 |  |  | 4467 | 840 | 68343 | 0.90 | 0.82 | 0.99 | 0.02761 |  |
|  |  |  |  | 3 |  | 4263 | 1202 | 61396 | 0.90 | 0.83 | 0.98 | 0.01115 |  |  | 4521 | 823 | 69187 | 0.88 | 0.80 | 0.96 | 0.00576 |  |
|  |  |  |  | 4 |  | 3780 | 997 | 55285 | 0.79 | 0.73 | 0.87 | 2.5E-07 |  |  | 4093 | 727 | 62855 | 0.84 | 0.76 | 0.93 | 0.00091 |  |
|  |  |  |  | 5 |  | 4204 | 1076 | 62000 | 0.78 | 0.71 | 0.85 | 8.2E-08 | 6.9E-10 |  | 4304 | 768 | 65880 | 0.88 | 0.79 | 0.97 | 0.01538 | 0.00429 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 4812 | 1278 | 70345 | 1.00 |  |  |  |  |  | 5700 | 1075 | 87330 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4785 | 1351 | 69042 | 0.97 | 0.90 | 1.04 | 0.39728 |  |  | 5376 | 1031 | 82030 | 0.98 | 0.90 | 1.07 | 0.62464 |  |
|  |  |  |  | 3 |  | 4859 | 1382 | 69937 | 0.96 | 0.89 | 1.03 | 0.25454 |  |  | 5029 | 933 | 76637 | 0.91 | 0.83 | 0.99 | 0.02967 |  |
|  |  |  |  | 4 |  | 3594 | 970 | 52100 | 0.87 | 0.80 | 0.95 | 0.00172 |  |  | 3815 | 725 | 58152 | 0.91 | 0.83 | 1.00 | 0.06046 |  |
|  |  |  |  | 5 |  | 3088 | 839 | 45339 | 0.83 | 0.76 | 0.91 | 5E-05 | 4.2E-06 |  | 2819 | 488 | 43437 | 0.83 | 0.74 | 0.92 | 0.00073 | 0.00026 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | CVD | aMED | No | 1 |  | 4674 | 503 | 67238 | 1.00 |  |  |  |  |  | 5354 | 387 | 81316 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4217 | 468 | 60841 | 1.02 | 0.90 | 1.15 | 0.80669 |  |  | 4467 | 288 | 68336 | 0.87 | 0.75 | 1.02 | 0.08462 |  |
|  |  |  |  | 3 |  | 4263 | 450 | 61391 | 0.95 | 0.83 | 1.08 | 0.41162 |  |  | 4521 | 308 | 69184 | 0.94 | 0.81 | 1.09 | 0.41487 |  |
|  |  |  |  | 4 |  | 3780 | 374 | 55281 | 0.85 | 0.74 | 0.97 | 0.01905 |  |  | 4093 | 259 | 62849 | 0.86 | 0.73 | 1.01 | 0.06041 |  |
|  |  |  |  | 5 |  | 4204 | 430 | 61995 | 0.89 | 0.78 | 1.01 | 0.07906 | 0.0076 |  | 4304 | 271 | 65878 | 0.90 | 0.77 | 1.05 | 0.19627 | 0.17456 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 4674 | 503 | 67240 | 1.00 |  |  |  |  |  | 5354 | 387 | 81320 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4217 | 468 | 60842 | 1.01 | 0.89 | 1.15 | 0.89547 |  |  | 4467 | 288 | 68343 | 0.88 | 0.75 | 1.02 | 0.0979 |  |
|  |  |  |  | 3 |  | 4263 | 450 | 61396 | 0.93 | 0.82 | 1.07 | 0.31451 |  |  | 4521 | 308 | 69187 | 0.95 | 0.81 | 1.11 | 0.50106 |  |
|  |  |  |  | 4 |  | 3780 | 374 | 55285 | 0.83 | 0.72 | 0.96 | 0.01193 |  |  | 4093 | 259 | 62855 | 0.87 | 0.74 | 1.03 | 0.11732 |  |
|  |  |  |  | 5 |  | 4204 | 430 | 62000 | 0.86 | 0.75 | 1.00 | 0.04801 | 0.00564 |  | 4304 | 271 | 65880 | 0.92 | 0.77 | 1.10 | 0.36964 | 0.35444 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 4812 | 457 | 70345 | 1.00 |  |  |  |  |  | 5700 | 361 | 87330 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4785 | 481 | 69042 | 0.95 | 0.83 | 1.08 | 0.42537 |  |  | 5376 | 338 | 82030 | 0.93 | 0.80 | 1.08 | 0.32896 |  |
|  |  |  |  | 3 |  | 4859 | 539 | 69937 | 1.01 | 0.89 | 1.15 | 0.82296 |  |  | 5029 | 367 | 76637 | 1.03 | 0.89 | 1.19 | 0.73841 |  |
|  |  |  |  | 4 |  | 3594 | 395 | 52100 | 0.97 | 0.84 | 1.11 | 0.63074 |  |  | 3815 | 263 | 58152 | 0.95 | 0.81 | 1.12 | 0.54667 |  |
|  |  |  |  | 5 |  | 3088 | 353 | 45339 | 0.94 | 0.81 | 1.08 | 0.36937 | 0.52663 |  | 2819 | 184 | 43437 | 0.89 | 0.74 | 1.06 | 0.19849 | 0.37621 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cancer | aMED | No | 1 |  | 4674 | 436 | 67238 | 1.00 |  |  |  |  |  | 5354 | 345 | 81316 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4217 | 337 | 60841 | 0.86 | 0.75 | 0.99 | 0.03818 |  |  | 4467 | 257 | 68336 | 0.88 | 0.75 | 1.03 | 0.12028 |  |
|  |  |  |  | 3 |  | 4263 | 395 | 61391 | 0.97 | 0.85 | 1.11 | 0.64942 |  |  | 4521 | 245 | 69184 | 0.83 | 0.70 | 0.98 | 0.0258 |  |
|  |  |  |  | 4 |  | 3780 | 319 | 55281 | 0.86 | 0.74 | 0.99 | 0.03716 |  |  | 4093 | 238 | 62849 | 0.89 | 0.75 | 1.05 | 0.16946 |  |
|  |  |  |  | 5 |  | 4204 | 309 | 61995 | 0.78 | 0.68 | 0.91 | 0.00113 | 0.00326 |  | 4304 | 229 | 65878 | 0.83 | 0.70 | 0.98 | 0.02893 | 0.04186 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED | Yes | 1 |  | 4674 | 436 | 67240 | 1.00 |  |  |  |  |  | 5354 | 345 | 81320 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4217 | 337 | 60842 | 0.84 | 0.73 | 0.97 | 0.01947 |  |  | 4467 | 257 | 68343 | 0.87 | 0.74 | 1.02 | 0.0873 |  |
|  |  |  |  | 3 |  | 4263 | 395 | 61396 | 0.93 | 0.81 | 1.07 | 0.31462 |  |  | 4521 | 245 | 69187 | 0.80 | 0.68 | 0.95 | 0.01221 |  |
|  |  |  |  | 4 |  | 3780 | 319 | 55285 | 0.80 | 0.69 | 0.94 | 0.00533 |  |  | 4093 | 238 | 62855 | 0.85 | 0.71 | 1.02 | 0.07376 |  |
|  |  |  |  | 5 |  | 4204 | 309 | 62000 | 0.72 | 0.61 | 0.84 | 6.9E-05 | 0.0002 |  | 4304 | 229 | 65880 | 0.78 | 0.64 | 0.94 | 0.01019 | 0.01376 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | aMED-e | No | 1 |  | 4812 | 426 | 70345 | 1.00 |  |  |  |  |  | 5700 | 353 | 87330 | 1.00 |  |  |  |  |
|  |  |  |  | 2 |  | 4785 | 421 | 69042 | 0.92 | 0.80 | 1.05 | 0.23357 |  |  | 5376 | 329 | 82030 | 0.97 | 0.83 | 1.13 | 0.69887 |  |
|  |  |  |  | 3 |  | 4859 | 416 | 69937 | 0.90 | 0.78 | 1.03 | 0.13095 |  |  | 5029 | 254 | 76637 | 0.78 | 0.66 | 0.91 | 0.00229 |  |
|  |  |  |  | 4 |  | 3594 | 318 | 52100 | 0.91 | 0.79 | 1.06 | 0.2257 |  |  | 3815 | 228 | 58152 | 0.90 | 0.76 | 1.07 | 0.24156 |  |
|  |  |  |  | 5 |  | 3088 | 215 | 45339 | 0.68 | 0.57 | 0.80 | 6.1E-06 | 9.2E-05 |  | 2819 | 150 | 43437 | 0.79 | 0.65 | 0.96 | 0.01887 | 0.00728 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1All models adjusted for age at baseline (continuous), ethnicity (as indicator variables), BMI (normal weight, overweight, obese), moderate-to-vigorous physical activity (<2.5 hours/week, ≥ 2.5 hours/week), smoking (current smoker, past smoker, never smoked), education (less than 12 y, 12 y, 13 to15 y, 16 or more y), marital status (married, not married), hormone replacement therapy (yes, no - women only), and history of diabetes, heart disease and cancer (yes, no). Asterisk (\*) indicates significant (<0.05) p-value for trend. CI, confidence interval. CVD, cardiovascular disease.