**Supplement Table 3. Weighted mean ± standard error or weighted percentage of covariates, NHANES, 99-08, NHANES, 1999-2008, among 3175 individuals whose urinary samples were available.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| characteristics/continuous variables | total samples | ever had Cataract Operation | | p-value (t-test) |
| yes | no |
| total sample, N (%) | 3175 (100) | 587 (14.6) | 2588 (85.4) |  |
| Age, years ± std | 63.3 ± 0.2 | 74.2 ± 0.4 | 61.4 ± 0.2 | <0.0001 |
| Female (%) | 53.2 | 62.1 | 51.6 | <0.0001 |
| Race/ethnicity (%) |  |  |  |  |
| Non-Hispanic White | 80.3 | 85.8 | 79.3 | <0.0001 |
| Mexican American | 3.9 | 2.3 | 4.1 |  |
| Non-Hispanic Black | 8.1 | 5.9 | 8.5 |  |
| Other | 7.8 | 6.0 | 8.0 |  |
| Education (%) |  |  |  |  |
| <high school | 22.0 | 32.1 | 20.2 | <0.0001 |
| High school | 28.1 | 24.8 | 28.7 |  |
| Some college+ | 49.9 | 43.1 | 51.1 |  |
| Diabetes (%) | 13.2 | 18.0 | 12.3 | 0.0015 |
| Pack-years (%) |  |  |  |  |
| 0 | 46.4 | 47.3 | 46.2 | 0.0002 |
| 2: >0 and <20 | 27.0 | 18.9 | 28.4 |  |
| 3: >=20 | 26.7 | 33.8 | 25.4 |  |
| Body mass index, kg/m2 ± std | 28.7 ± 0.2 | 27.9 ± 0.3 | 28.9 ± 0.2 | 0.0110 |
| Serum cotinine (ng/dL)\* | 0.23 (0.19, 0.28) | 0.14 (0.10, 0.20) | 0.26 (0.21, 0.31) | 0.0043 |
| Blood lead (µg/dL)\* | 1.97 (1.92, 2.03) | 2.10 (1.96, 2.24) | 1.95 (1.90, 2.01) | 0.0409 |
| Blood cadmium (µg/dL)\* | 0.45 (0.43, 0.46) | 0.51 (0.48, 0.54) | 0.44 (0.42, 0.45) | <0.0001 |

**\*** *Serum cotinine, urinary creatinine, blood and urinary metals were right skewed, thus use geometric means and 95% Confidence interval. T-test for those skewed variable are using log-transformed value*