**Supplementary Table 1.** **Descriptive results for county-level VC and covariates, stratified by counties with reported vs. imputed liver cancer incidence**

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Counties with reported incidence rates** |  | **Counties with imputed incidence rates** |
| ***n*** | **Mean** | **Range** | ***n*** | **Mean** | **Range** |
| Population size | 144 | 1,709,484 | 12,058-41,500,000 |  | 102 | 77,442 | 11,963-237,216 |
| Median ambient VC, µg/m3 | 144 | 1.26 x 10-3 | 1.22 x 10-6 – 1.02 x 10-1 |  | 110 | 6.82 x 10-5 | 4.12 x 10-8 – 3.25 x 10-3 |
| Heavy drinking prevalence, % | 144 | 6.5 | 3.2-9.4 |  | 110 | 5.6 | 2.7-16.5 |
| Hepatitis mortality rate, per 100,000 | 144 | 0.43 | 0.18-2.2 |  | 110 | 0.31 | 0.15-0.57 |
| Median household income, $ | 144 | 44,346 | 19,959-80,504 |  | 110 | 42,160 | 22,647-83,889 |
| Race, percent Hispanic | 144 | 30.8 | 3.4-98.3 |  | 110 | 31.1 | 0-92.3 |
| Sex, percent male | 144 | 50.2 | 46.3-61.5 |  | 110 | 51.5 | 44.9-68.4 |
| Smoking prevalence, % | 144 | 22.6 | 14.2-29.6 |  | 110 | 22.1 | 14.0-28.8 |
| Obesity prevalence, % | 144 | 30.0 | 23.3-36.8 |  | 110 | 29.6 | 25.3-32.9 |