| **Table 2** Environmental Variables (Mean (SD) or % (SD), and % Missing) |
| --- |
|  | (n=104) | Missing, % |
| **Population** |  |  |
| Size (zipc), 2020 | 4930877.0 (3742123.0) | 0.0 |
| Female (zipc), 2020 (%) | 51.1 (1.2) | 1.9 |
| Density (persons/mi2) (cnty), 2020 | 3464.4 (2366.2) | 0.0 |
| **Rural / Urban Communities** |  |  |
| Rural population (state), 2019 (%) | 11.7 (10.3) | 0.0 |
| County community type (cnty), 2019 |  | 0.0 |
| - Urban, % | 100.0 |  |
| Urbanicity level (cnty), 2020 |  | 9.6 |
| - Large Urban, % | 100.0 |  |
| **Age** |  |  |
| <5 (zipc), 2020 (%) | 5.7 (0.4) | 1.9 |
| <18 (zipc), 2020 (%) | 21.5 (1.2) | 1.9 |
| 18-65 (zipc), 2020 (%) | 64.3 (5.2) | 0.0 |
| >65 (zipc), 2020 (%) | 15.0 (1.0) | 1.9 |
| **Race** |  |  |
| Asian (zipc), 2020 (%) | 9.7 (5.5) | 1.9 |
| White (zipc), 2020 (%) | 61.9 (15.0) | 1.9 |
| Non-Hispanic White (zipc), 2020 (%) | 35.6 (11.2) | 1.9 |
| Black (zipc), 2020 (%) | 24.2 (20.4) | 1.9 |
| American Indian (zipc), 2020 (%) | 1.0 (0.4) | 1.9 |
| Native Hawaiian or Pacific Islander (zipc), 2020 (%) | 0.3 (0.2) | 4.8 |
| Hispanic (zipc), 2020 (%) | 29.1 (17.4) | 1.9 |
| Multiracial (zipc), 2020 (%) | 3.0 (0.9) | 1.9 |
| **Family Dynamics** |  |  |
| Mean family size (zipc), 2020 | 3.3 (0.5) | 8.7 |
| Have children (zipc), 2021 (%) | 18.9 (7.6) | 5.8 |
| Median income of households with >1 child spent on childcare (cnty), 2020-21 (%) | 28.2 (5.1) | 0.0 |
| Children living in single-parent household (cnty), 2016-20 (%) | 31.0 (10.1) | 0.0 |
| Never married (zipc), 2020 (%) | 49.6 (14.1) | 5.8 |
| Social associations membership rate (per 10K) (cnty), 2019 | 7.6 (2.2) | 0.0 |
| Teen births (per 1K females 15-19) (cnty), 2014-20 | 20.5 (7.0) | 0.0 |
| **Income** |  |  |
| Median county income ($) (zipc), 2020 | 37959.0 (3956.4) | 1.9 |
| Median household income ($) (cnty), 2020 | 70027.9 (11977.9) | 0.0 |
| Ratio of female to male median earnings for full-time workers (cnty), 2016-20 | 0.9 (0.1) | 0.0 |
| Ratio of 80th to 20th income percentile (cnty), 2016-20 | 5.4 (0.5) | 1.0 |
| Income inequality (GINI) coefficient (0.0-1.0) (cnty), 2020 | 0.5 (0.0) | 10.6 |
| Hourly wage needed for basic expenses and taxes for an adult and two children ($) (cnty), 2021 | 44.5 (5.4) | 0.0 |
| **Poverty** |  |  |
| Poverty (cnty), 2020 (%) | 13.8 (3.5) | 10.6 |
| <18 and in poverty (cnty), 2020 (%) | 18.3 (5.1) | 0.0 |
| Households below poverty level (state), 2019 (%) | 10.8 (2.4) | 0.0 |
| Low-income and living far from grocery stores (cnty), 2019 (%) | 3.0 (3.2) | 0.0 |
| **Housing** |  |  |
| Households with 1 or more housing problems (cnty), 2014-18 (%) | 24.5 (5.7) | 0.0 |
| Housing-insecure (cnty), 2020 (%) | 20.4 (2.9) | 10.6 |
| Houses that are owner-occupied (cnty), 2016-20 (%) | 52.4 (6.3) | 0.0 |
| Households spending at least half of income on housing (cnty), 2016-20 (%) | 19.9 (3.5) | 0.0 |
| Vacant housing (state), 2019 (%) | 9.9 (4.3) | 0.0 |
| **Employment** |  |  |
| Employed (zipc), 2020 (%) | 57.4 (10.7) | 5.8 |
| Mean work hours per week (zipc), 2020 | 38.0 (3.7) | 5.8 |
| Government workers (zipc), 2020 (%) | 13.8 (5.3) | 5.8 |
| >16 unemployed and seeking work (cnty), 2020 (%) | 10.3 (2.1) | 0.0 |
| 16-19 not in school and unemployed (cnty), 2016-20 (%) | 7.4 (2.0) | 0.0 |
| **Education** |  |  |
| Children in public schools eligible for free/reduced lunch (cnty), 2019-20 (%) | 60.7 (7.5) | 0.0 |
| Enrolled in K-12 (zipc), 2020 (%) | 55.6 (19.0) | 5.8 |
| 9th grade cohort graduating in 4 years (cnty), 2018-19 (%) | 83.3 (7.4) | 22.1 |
| >25 with HS diploma (cnty), 2016-20 (%) | 85.0 (3.7) | 0.0 |
| >25 without HS diploma (state), 2019 (%) | 15.2 (3.7) | 0.0 |
| Bachelors degree or higher (zipc), 2020 (%) | 38.0 (22.4) | 5.8 |
| Mean 3rd grade reading test performance (0-10) (cnty), 2018 | 3.0 (0.1) | 17.3 |
| Mean 3rd grade math test performance (0-10) (cnty), 2018 | 2.8 (0.1) | 17.3 |
| Mean difference between actual and required public school spending per student ($) (cnty), 2019 | -1647.7 (4868.5) | 0.0 |
| School racial segregation level relative to local distribution (0.0-1.0) (cnty), 2020-21 | 0.3 (0.1) | 0.0 |
| **Residential Environment** |  |  |
| County land area (mi2) (zipc), 2020 | 2220.8 (1746.9) | 0.0 |
| County land area (m2) (zipc), 2020 | 50754096.0 (202010000.0) | 3.8 |
| Racial segregation level (0-100) (cnty), 2016-20 | 61.8 (10.4) | 0.0 |
| Childcare centers (per 100K aged <5) (cnty), 2021 | 5.6 (2.2) | 0.0 |
| Households with broadband internet (cnty), 2016-20 (%) | 85.3 (4.5) | 0.0 |
| Avg PM2.5 (cnty), 2018 | 11.9 (2.3) | 0.0 |
| Population lacking adequate food access (cnty), 2019 (%) | 11.6 (2.7) | 0.0 |
| Access to space for physical activity (cnty), 2020-21 (%) | 93.8 (10.1) | 0.0 |
| **Travel and Transportation** |  |  |
| Mean commute time to work (min) (zipc), 2020 | 28.4 (6.2) | 5.8 |
| Workers driving alone to work for >30 min (cnty), 2016-20 (%) | 45.4 (7.1) | 0.0 |
| Workforce driving alone to work (cnty), 2016-20 (%) | 69.1 (8.4) | 0.0 |
| Motor vehicle crash death rate (per 100K) (cnty), 2014-20 | 9.0 (2.9) | 0.0 |
| Mean major roadway traffic (vol/m) (cnty), 2019 | 1917.9 (1181.4) | 0.0 |
| Public transit score (0.0-10.0) (zipc), 2018 | 7.4 (2.9) | 1.0 |
| Walkability score (0-100) (zipc), 2022 | 65.3 (26.8) | 1.0 |
| **Crime and Substance Use** |  |  |
| Violent crime offense rate (per 100K) (cnty), 2014-16 | 688.0 (418.4) | 0.0 |
| Homicide mortality (per 100K) (cnty), 2014-20 | 14.6 (13.8) | 0.0 |
| Delinquency case rate (per 1K minors) (cnty), 2019 | 10.8 (8.4) | 1.0 |
| Drinking water violations present (cnty), 2020 |  | 0.0 |
| - No, % | 51.0 |  |
| - Yes, % | 49.0 |  |
| Age-adj adults reported binge or heavy drinking (cnty), 2019 (%) | 19.1 (2.8) | 0.0 |
| **Healthcare Access** |  |  |
| Adults with no PCP (state), 2021 (%) | 14.9 (3.2) | 0.0 |
| Adults not seen HCP in past year due to cost (state), 2021 (%) | 8.9 (1.2) | 0.0 |
| Ratio PCPs to population\*1000 (cnty), 2019 | 0.9 (0.2) | 0.0 |
| Ratio dentist to population\*1000 (cnty), 2020 | 0.9 (0.6) | 0.0 |
| Ratio mental health HCPs to population\*1000 (cnty), 2021 | 3.8 (1.2) | 0.0 |
| Ratio of non-physician PCPs to population\*1000 (cnty), 2021 | 1.3 (0.8) | 0.0 |
| <65 uninsured (zipc), 2020 (%) | 8.8 (5.6) | 5.8 |
| <65 uninsured (cnty), 2019 (%) | 9.8 (2.9) | 1.9 |
| Adults <65 uninsured (cnty), 2019 (%) | 12.8 (3.4) | 0.0 |
| <19 uninsured (cnty), 2019 (%) | 4.2 (2.0) | 0.0 |
| Adults uninsured (state), 2019 (%) | 8.7 (2.2) | 0.0 |
| Uninsured (cnty), 2019 (%) | 10.5 (2.8) | 0.0 |
| Syringe exchanges (state), 2022 | 21.2 (16.7) | 0.0 |
| Year of Medicaid expansion (state), 2023 | 2014.0 (0.0) | 14.4 |
| Values are means(SD) or medians(Q25, Q75) for continuous variables; percentages or ns or both for categorical variables. |
|  Values of polytomous variables may not sum to 100% due to rounding |