|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Original** | | **Reproduction** | |
|  | **Mean** | **Median (IQR)** | **Mean** | **Median (IQR)** |
| Cases per 100,000 population | 503.1 | 32.0 (7.0-147.8) | 268 | 110.1 (45.1-277.3) |
| Number of Casesa | n.a. | n.a. | 503.1 | 32.0 (7.0-147.8) |
| Deaths per 100,000 population | 30.5 | 1.00 (0-5) | 11.5 | 2.0 (0-10) |
| Number of Deathsa | n.a. | n.a. | 30.5 | 1.00 (0-5) |
| **Health Factors** |  |  |  |  |
| Number of ICU beds | 23.6 | 0 (0-12) | 23.6 | 0 (0-12) |
| PCPs per 10,000 population | 54.5 | 48.0 (32.0-71.0) | n.a. | n.a. |
| PCPs per 10,000 population (filtered)b | n.a. | n.a. | 54.15 | 48.13 (31.88-70.23) |
| PCPs per 10,000 population (zero imputed)b | n.a. | n.a. | 51.96 | 46.49 (28.77-69.46) |
| PCPs per 10,000 population (mean imputed)b | n.a. | n.a. | 54.51 | 50.06 (32.58-69.46) |
| Adult Obesity (BMI > 30) | 32.9 | 33 (29-37) | 32.9 | 33 (29-37) |
| Diabetes | 12.2 | 12 (9-15) | 12.2 | 12 (9-15) |
| Uninsured | 11.5 | 11 (7-14) | 11.5 | 11 (7-14) |
| Flu vaccinations | 41.7 | 43 (36-49) | 41.5 | 43 (36-49) |
| **Race Factors** |  |  |  |  |
| Black American | 9 | 2.2 (0.7-10.2) | 9 | 2.2 (0.7-10.2) |
| Hispanic | 9.6 | 4.4 (2.4-10.0) | 9.7 | 4.4 (2.4-10.0) |
| Non-Hispanic White | 76 | 83.4 (64.3-92.3) | 76 | 83.4 (64.3-92.3) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Original** | | **Reproduction** | |
|  | **Deaths** | **Cases** | **Deaths** | **Cases** |
| Cases per 100,000 population | n.a. | 0.228\*\*\*\* | n.a. | 0.2286\*\*\*\* |
| Deaths per 100,000 population | 0.476\*\*\*\* | n.a. | 0.4766\*\*\*\* | n.a. |
| **Health Factors** |  |  |  |  |
| Number of ICU beds | 0.15\*\*\*\* | 0.08\*\*\*\* | 0.1500\*\*\* | 0.0765\*\*\* |
| PCPs per 10,000 population | 0.001 | -0.01 | n.a. | n.a. |
| PCPs per 10,000 population (filtered)a | n.a. | n.a. | 0.0593\*\*\*\* | 0.0346\*\*\* |
| PCPs per 10,000 population (zero imputed)a | n.a. | n.a. | 0.0583\*\*\*\* | 0.0283\*\*\* |
| PCPs per 10,000 population (mean imputed)a | n.a. | n.a. | 0.0560\*\*\*\* | 0.0300\* |
| Adult Obesity (BMI > 30) | 0.005 | 0.01 | 0.0049 | 0.0091 |
| Diabetes | 0.03 | 0.01 | 0.0262 | 0.0122 |
| Uninsured | 0.005 | 0.012 | 0.0055 | 0.0128 |
| Flu vaccinations | -0.004 | -0.006 | -0.0035 | -0.0057 |
| **Race Factors** |  |  |  |  |
| Black American | 0.264\*\*\*\* | 0.174\*\*\*\* | 0.2643\*\*\*\* | 0.1745\*\*\*\* |
| Hispanic | -0.002 | 0.008 | -0.0018 | 0.0079 |
| Non-Hispanic White | -0.137\*\*\*\* | -0.203\*\*\*\* | -0.2033\*\*\*\* | -0.1371\*\*\*\* |

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Cases per 100,000** | |
| Map  Description automatically generated  A) B)  C) D) |  |
| **Deaths per 100,000** | |
| Map  Description automatically generated |  |

Figure 1.

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Cases per 100,000 vs ICU Beds** | |
|  |  |
| **Deaths per 100,000 vs ICU Beds** | |
|  |  |

Figure 2.

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Cases per 100,000 vs ICU Beds** | |
| **Map  Description automatically generated**  A) B)  C) D) |  |
| **Deaths per 100,000 vs ICU Beds** | |
| **Map  Description automatically generated** |  |

Figure 3.ab.

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Cases per 100,000 vs PCPs** | |
| E) F)  G) H) |  |
| **Deaths per 100,000 vs PCPs** | |
|  |  |

Figure 3.b.

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Cases per 100,000 vs Diabetes** | |
| I) J)  K) L) |  |
| **Deaths per 100,000 vs Diabetes** | |
|  |  |

Figure 4

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Cases per 100,000 vs Black** | |
| A) B)  C) D) |  |
| **Deaths per 100,000 vs Black** | |
|  |  |

Figure 5

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Cases per 100,000 vs Hispanic** | |
| E) F)  G) H) |  |
| **Deaths per 100,000 vs Hispanic** | |
|  |  |

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Cases per 100,000 vs non-Hispanic White** | |
| I) J)  K) L) |  |
| **Deaths per 100,000 vs non-Hispanic White** | |
|  |  |

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
|  | A) B)  C) D) |
| **False Discovery Rate Adjustment** | |
|  |  |

Cases

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
|  | A) B)  C) D) |
| **False Discovery Rate Adjustment** | |
|  |  |

Deaths

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| A) B)  C) D) |  |
| **False Discovery Rate Adjustment** | |
|  |  |

Cases vs ICU

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| **Map  Description automatically generated**  A) B)  C) D) |  |
| **False Discovery Rate Adjustment** | |
|  |  |

Deaths vs ICU

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| A) B)  **Map  Description automatically generated**  C) D)  C) D) |  |
| **False Discovery Rate Adjustment** | |
|  |  |

Cases vs PCP

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| A) B)  **Map  Description automatically generated**  C) D)  C) D) |  |
| **False Discovery Rate Adjustment** | |
| **Map  Description automatically generated** |  |

Deaths vs PCP

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| A) B)  C) D)  **Map  Description automatically generated** |  |
| **False Discovery Rate Adjustment** | |
|  |  |

Cases vs Diabetes

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| A) B)  C) D)  **Map  Description automatically generated** |  |
| **False Discovery Rate Adjustment** | |
|  |  |

Deaths vs Diabetes

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| A) B)  C) D) |  |
| **False Discovery Rate Adjustment** | |
|  |  |

Cases - Black

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| A) B)  C) D)  **Map  Description automatically generated** |  |
| **False Discovery Rate Adjustment** | |
|  |  |

Deaths - Black

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| **Map  Description automatically generated** | A) B)  C) D) |
| **False Discovery Rate Adjustment** | |
|  |  |

Cases – Hispanic

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| A) B)  C) D)  **Map  Description automatically generated** |  |
| **False Discovery Rate Adjustment** | |
|  |  |

deaths - hispanic

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| **Map  Description automatically generated** | A) B)  C) D) |
| **False Discovery Rate Adjustment** | |
|  |  |

Cases-white

|  |  |
| --- | --- |
| **Original** | **Reproduction** |
| **Bonferroni Adjustment** | |
| A) B)  C) D)  **Map  Description automatically generated** |  |
| **False Discovery Rate Adjustment** | |
|  |  |

Deaths-white