|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Original** | | | | | | **Reproduction** | | | | | |
|  | **Estimate** | **SE** | **Direct** | **Indirect** | **Total** | **P** | **Estimate** | **SE** | **Direct** | **Indirect** | **Total** | **P** |
| % Age below 18 years | −0.042 | 0.075 | −0.042 | −0.011 | −0.053 | .575 | -0.034 | 0.075 | -0.034 | -0.001 | -0.036 | 0.653 |
| % Age above 65 years | 0.161 | 0.068 | 0.164 | 0.041 | 0.204 | .018 | 0.183 | 0.069 | 0.184 | 0.007 | 0.192 | 0.008 |
| % Latino/a | 0.283 | 0.162 | 0.288 | 0.071 | 0.359 | .081 | 0.292 | 0.161 | 0.294 | 0.012 | 0.306 | 0.070 |
| % White | 0.094 | 0.131 | 0.095 | 0.024 | 0.119 | .474 | 0.085 | 0.134 | 0.085 | 0.003 | 0.089 | 0.528 |
| % Black | 0.033 | 0.104 | 0.033 | 0.008 | 0.042 | .753 | 0.021 | 0.105 | 0.021 | 0.001 | 0.022 | 0.842 |
| % Asian | −0.019 | 0.127 | −0.019 | −0.005 | −0.024 | .882 | -0.012 | 0.128 | -0.013 | -0.001 | -0.013 | 0.923 |
| % Poverty | 0.293 | 0.100 | 0.298 | 0.074 | 0.371 | .004 | 0.199 | 0.107 | 0.201 | 0.008 | 0.209 | 0.063 |
| % Uninsured | −0.015 | 0.117 | −0.015 | −0.004 | −0.019 | .898 | 0.063 | 0.118 | 0.064 | 0.003 | 0.067 | 0.590 |
| % Bachelor’s degree or higher | −0.006 | 0.131 | −0.006 | −0.001 | −0.008 | .964 | -0.050 | 0.131 | -0.051 | -0.002 | -0.053 | 0.702 |
| Population density per square kilometer | 0.101 | 0.069 | 0.103 | 0.026 | 0.129 | .145 | 0.152 | 0.071 | 0.153 | 0.006 | 0.160 | 0.033 |
| Household density per hexagon | 0.329 | 0.110 | 0.334 | 0.083 | 0.417 | .003 | 0.274 | 0.111 | 0.276 | 0.011 | 0.287 | 0.014 |
| rho, Spatial lag | 0.212 | 0.070 |  |  |  | .00 | 0.047 |  |  |  |  | 0.009 |

**Table 2.** Reproduction (Winter 2023) of Spatial Lag Model of Socio-structural Correlates of SARS-CoV-2 Crude Positivity Rates in LAC

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Original** | | | | | | **Reproduction** | | | | | |
|  | **Estimate** | **SE** | **Direct** | **Indirect** | **Total** | ***p*** | **Estimate** | **SE** | **Direct** | **Indirect** | **Total** | ***p*** |
| % Latino | 0.301 | 0.139 | 0.307 | 0.085 | 0.392 | 0.030 | 0.275 | 0.207 | 0.281 | 0.015 | 0.297 | 0.184 |
| % White | 0.195 | 0.113 | 0.199 | 0.055 | 0.254 | 0.083 | -0.042 | 0.172 | -0.042 | -0.002 | -0.045 | 0.808 |
| % Black | 0.069 | 0.090 | 0.070 | 0.019 | 0.090 | 0.444 | -0.084 | 0.135 | -0.086 | -0.005 | -0.091 | 0.531 |
| % Asian | 0.007 | 0.104 | 0.008 | 0.002 | 0.010 | 0.943 | -0.123 | 0.159 | -0.126 | -0.007 | -0.132 | 0.440 |
| % Poverty | 0.451 | 0.083 | 0.460 | 0.127 | 0.587 | <0.001 | 0.367 | 0.130 | 0.375 | 0.020 | 0.395 | 0.004 |
| % Uninsured | -0.100 | 0.099 | -0.102 | -0.028 | -0.130 | 0.314 | -0.206 | 0.150 | -0.210 | -0.011 | -0.222 | 0.172 |
| % Bachelor’s degree or higher | 0.083 | 0.110 | 0.084 | 0.023 | 0.107 | 0.455 | -0.013 | 0.167 | -0.013 | -0.001 | -0.014 | 0.938 |
| Population density per square kilometer | 0.124 | 0.058 | 0.126 | 0.035 | 0.161 | 0.032 | -0.046 | 0.089 | -0.047 | -0.003 | -0.050 | 0.605 |
| Household density per hexagon | 0.201 | 0.075 | 0.205 | 0.056 | 0.261 | 0.008 | 0.001 | 0.113 | 0.001 | 0.000 | 0.001 | 0.996 |
| rho, Spatial lag | 0.231 | 0.063 |  |  |  | 0.001 | -0.072 |  |  |  |  | 0.203 |

**Table 3.** Reproduction (Winter 2023) of Spatial Lag Model of Socio-structural Correlates of SARS-CoV-2 Age-Adjusted Diagnosis Rates in LAC

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Original** | | | | | | **Reproduction** | | | | | |
|  | **Estimate** | **SE** | **Direct** | **Indirect** | **Total** | ***p*** | **Estimate** | **SE** | **Direct** | **Indirect** | **Total** | ***p*** |
| % Latino | 0.182 | 0.217 | 0.193 | 0.102 | 0.295 | 0.402 | -0.067 | 0.276 | -0.067 | -0.001 | -0.068 | 0.809 |
| % White | 0.109 | 0.179 | 0.116 | 0.061 | 0.177 | 0.541 | 0.054 | 0.230 | 0.055 | 0.001 | 0.055 | 0.813 |
| % Black | 0.051 | 0.142 | 0.054 | 0.029 | 0.083 | 0.718 | -0.057 | 0.180 | -0.057 | -0.001 | -0.058 | 0.752 |
| % Asian | -0.157 | 0.168 | -0.166 | -0.088 | -0.253 | 0.350 | -0.161 | 0.213 | -0.161 | -0.003 | -0.163 | 0.450 |
| % Poverty | 0.181 | 0.132 | 0.192 | 0.101 | 0.293 | 0.168 | 0.169 | 0.166 | 0.170 | 0.003 | 0.172 | 0.307 |
| % Uninsured | -0.067 | 0.160 | -0.071 | -0.038 | -0.109 | 0.674 | -0.114 | 0.200 | -0.114 | -0.002 | -0.116 | 0.568 |
| % Bachelor’s degree or higher | 0.271 | 0.179 | 0.287 | 0.152 | 0.438 | 0.131 | -0.065 | 0.222 | -0.065 | -0.001 | -0.066 | 0.768 |
| Population density per square kilometer | 0.137 | 0.093 | 0.145 | 0.076 | 0.221 | 0.140 | -0.045 | 0.119 | 0.046 | -0.001 | -0.046 | 0.702 |
| Household density per hexagon | -0.158 | 0.120 | -0.167 | -0.088 | -0.255 | 0.188 | -0.011 | 0.149 | 0.011 | 0.000 | -0.011 | 0.944 |
| rho, Spatial lag | 0.382 | 0.070 |  |  |  | <0.001 | 0.017 |  |  |  |  | 0.562 |

**Table 4.** Reproduction (Winter 2023) of Spatial Lag Model of Socio-structural Correlates of SARS-CoV-2 Age-Adjusted Testing Rates in LAC