

**Table S5.** Detailed results of the bivariate analysis of risk factors for COVID-19 mortality.

<b>Risk_factor</b>	<b>estimate_95CI</b>	<b>std.erro</b>	<b>statistic</b>	<b>p.value</b>	<b>BH-FDR</b>	<b>Full risk factor name</b>
AA_Fem	-0.267 ( -0.41 - -0.124 )	0.07249	-3.68212	3.03E-04	2.92E-03	Percent AA (Asian Alone) FEMALE
AA_Male	-0.227 ( -0.365 - -0.088 )	0.07011	-3.23117	1.45E-03	8.93E-03	Percent AA (Asian Alone) MALE
BA_Fem	-0.064 ( -0.236 - 0.108 )	0.08727	-0.73266	4.65E-01	5.12E-01	Percent BA (Black Alone) FEMALE
BA_Male	-0.082 ( -0.269 - 0.104 )	0.09447	-0.87184	3.84E-01	4.35E-01	Percent BA (Black Alone) MALE
Bach	-0.246 ( -0.388 - -0.103 )	0.07218	-3.40301	7.98E-04	5.72E-03	Percent Population 25 years and over Bachelors degree or higher
Bach_AA	-0.233 ( -0.392 - -0.073 )	0.08091	-2.87354	4.48E-03	1.75E-02	Percent RACE AND HISPANIC OR LATINO ORIGIN BY EDUCATIONAL ATTAINMENT Asian alone Bachelors degree or higher
Bach_BA	-0.155 ( -0.315 - 0.004 )	0.08079	-1.92188	5.60E-02	9.21E-02	Percent RACE AND HISPANIC OR LATINO ORIGIN BY EDUCATIONAL ATTAINMENT Black alone Bachelors degree or higher
Bach_H	-0.182 ( -0.332 - -0.032 )	0.07617	-2.38512	1.80E-02	4.29E-02	Percent RACE AND HISPANIC OR LATINO ORIGIN BY EDUCATIONAL ATTAINMENT Hispanic or Latino Origin Bachelors degree or higher
Bach_NHWA	-0.263 ( -0.405 - -0.121 )	0.07214	-3.64407	3.39E-04	2.92E-03	Percent RACE AND HISPANIC OR LATINO ORIGIN BY EDUCATIONAL ATTAINMENT White alone not Hispanic or Latino Bachelors degree or higher
Computer	-0.162 ( -0.336 - 0.011 )	0.08823	-1.84114	6.70E-02	1.03E-01	Percent Has computer with broadband Internet subscription
Disability	0.27 ( 0.087 - 0.452 )	0.09271	2.90757	4.03E-03	1.75E-02	Percent with a disability Subject Total civilian noninstitutionalized population
Grocery_Mob	0.207 ( 0.022 - 0.393 )	0.09419	2.20177	2.88E-02	5.89E-02	GOOGLE GROCERY PHARMACY MOBILITY
H_Female	-0.21 ( -0.381 - -0.039 )	0.08665	-2.42123	1.64E-02	4.15E-02	Percent H (Hispanic) FEMALE
H_Male	-0.225 ( -0.402 - -0.048 )	0.08974	-2.50567	1.31E-02	4.01E-02	Percent H (Hispanic) MALE
Highschool	-0.134 ( -0.294 - 0.026 )	0.08114	-1.64848	1.01E-01	1.44E-01	Percent below poverty level Population for whom poverty status is determined RACE AND HISPANIC OR LATINO ORIGIN White alone
Highschool_A	-0.037 ( -0.183 - 0.11 )	0.07416	-0.4926	6.23E-01	6.53E-01	Percent RACE AND HISPANIC OR LATINO ORIGIN BY EDUCATIONAL ATTAINMENT Asian alone High school graduate or higher
Highschool_B	-0.21 ( -0.415 - -0.005 )	0.10406	-2.01943	4.47E-02	8.36E-02	Percent RACE AND HISPANIC OR LATINO ORIGIN BY EDUCATIONAL ATTAINMENT Black alone High school graduate or higher
Highschool_H	-0.016 ( -0.19 - 0.157 )	0.08809	-0.18597	8.53E-01	8.53E-01	Percent RACE AND HISPANIC OR LATINO ORIGIN BY EDUCATIONAL ATTAINMENT Hispanic or Latino Origin High school graduate or higher
Highschool_N	-0.213 ( -0.384 - -0.042 )	0.08691	-2.44898	1.52E-02	4.07E-02	Percent RACE AND HISPANIC OR LATINO ORIGIN BY EDUCATIONAL ATTAINMENT White alone not Hispanic or Latino High school graduate or higher
Insured_AA	-0.029 ( -0.187 - 0.13 )	0.08035	-0.3577	7.21E-01	7.38E-01	Percent Insured Civilian noninstitutionalized population RACE AND HISPANIC OR LATINO ORIGIN Asian alone
Insured_BA	-0.261 ( -0.454 - -0.068 )	0.09784	-2.66849	8.22E-03	2.82E-02	Percent Insured Civilian noninstitutionalized population RACE AND HISPANIC OR LATINO ORIGIN Black or African American alone
Insured_Fem	-0.224 ( -0.414 - -0.034 )	0.09629	-2.32546	2.10E-02	4.52E-02	Percent Insured Civilian noninstitutionalized population SEX Female

Insured_H	0.103 ( -0.079 - 0.285 )	0.0923	1.11281	2.67E-01	3.28E-01	Percent Insured Civilian noninstitutionalized population RACE AND HISPANIC OR LATINO ORIGIN Hispanic or Latino of any race
Insured_Male	-0.295 ( -0.483 - -0.106 )	0.09545	-3.08675	2.30E-03	1.23E-02	Percent Insured Civilian noninstitutionalized population SEX Male
Insured_NHW	-0.479 ( -0.676 - -0.283 )	0.09973	-4.8056	2.94E-06	6.00E-05	Percent Insured Civilian noninstitutionalized population RACE AND HISPANIC OR LATINO ORIGIN White alone not Hispanic or Latino
Median_Inco	-0.265 ( -0.408 - -0.122 )	0.07271	-3.64428	3.40E-04	2.92E-03	Median Family income; past 2 months 208
Medicaid	0.171 ( 0.034 - 0.307 )	0.06935	2.4622	1.46E-02	4.07E-02	Percent Public Coverage Medicaid means tested public coverage alone or in combination
NHWA_Fem	0.117 ( -0.051 - 0.285 )	0.08524	1.37069	1.72E-01	2.28E-01	Percent NHWA (non-Hispanic White Alone) FEMALE
NHWA_Male	0.143 ( -0.027 - 0.313 )	0.08619	1.66322	9.78E-02	1.44E-01	Percent NHWA (non-Hispanic White Alone) MALE
Parks_Mob	-0.138 ( -0.324 - 0.047 )	0.094	-1.47177	1.43E-01	1.99E-01	GOOGLE PARKS MOBILITY
Poverty	0.148 ( -0.003 - 0.299 )	0.07653	1.93039	5.49E-02	9.21E-02	Percent below poverty level Population for whom poverty status is determined
Poverty_AA	0.107 ( -0.048 - 0.262 )	0.07872	1.36131	1.75E-01	2.28E-01	Percent below poverty level Population for whom poverty status is determined RACE AND HISPANIC OR LATINO ORIGIN Asian alone
Poverty_BA	0.227 ( 0.013 - 0.44 )	0.1083	2.09467	3.74E-02	7.31E-02	Percent below poverty level Population for whom poverty status is determined RACE AND HISPANIC OR LATINO ORIGIN Black or African American alone
Poverty_Fem	0.153 ( -0.004 - 0.31 )	0.07962	1.92299	5.58E-02	9.21E-02	Percent below poverty level Population for whom poverty status is determined SEX Female
Poverty_H	0.173 ( 0.028 - 0.318 )	0.07372	2.34495	2.00E-02	4.52E-02	Percent bel poverty Pop for whom poverty is determined RACE AND HISPANIC OR LATINO ORIGIN Hispanic or Latino origin of any race
Poverty_Male	0.146 ( -0.005 - 0.297 )	0.07668	1.9073	5.79E-02	9.21E-02	Percent below poverty level Population for whom poverty status is determined SEX Male
Poverty_NHW	0.231 ( 0.074 - 0.388 )	0.07965	2.89687	4.17E-03	1.75E-02	Percent below poverty level Population for whom poverty status is determined RACE AND HISPANIC OR LATINO ORIGIN White alone not Hispanic or Latino
Rate_COV	-0.207 ( -0.361 - -0.053 )	0.07797	-2.65896	8.53E-03	2.82E-02	Rate of COVID in one In Million
Resident_Mob	0.064 ( -0.079 - 0.208 )	0.07258	0.88719	3.76E-01	4.35E-01	GOOGLE RESIDENTIAL MOBILITY
Retail_Mob	0.095 ( -0.081 - 0.27 )	0.08914	1.06067	2.90E-01	3.47E-01	GOOGLE RETAIL RECREATION MOBILITY
Total_Pop	-0.332 ( -0.466 - -0.198 )	0.06799	-4.88111	2.25E-06	6.00E-05	TOTAL POPULATION
Transit_Mob	-0.051 ( -0.204 - 0.102 )	0.07737	-0.66237	5.09E-01	5.47E-01	GOOGLE TRANSIT MOBILITY
Work_Mob	0.093 ( -0.06 - 0.246 )	0.07779	1.19573	2.33E-01	2.95E-01	GOOGLE WORKPLACE MOBILITY