

**Supplementary Material: Geographic Variation of Racial Disparities in Health and
COVID-19 Mortality**

eMethods

Participants who responded affirmatively to the question, “Have you ever been told by a doctor, nurse, or other health professionals that you have high blood pressure?” were determined to have hypertension.^{1,2} Diabetes was defined as the current use of insulin or self-reported history of diabetes outside of pregnancy. Individuals who reported having their blood cholesterol evaluated and having been told that they had high blood cholesterol levels were defined as having hypercholesterolemia.^{1,2} As previously validated, body mass index was computed from self-reported height and weight, and those with a body mass index ≥ 30 kg/m² were deemed obese.¹⁻³

An affirmative response to the question “ever been told that you have chronic obstructive pulmonary disease, emphysema or chronic bronchitis” or “ever been told that you had asthma” was used to identify pulmonary disease. Individuals who reported having myocardial infarction/coronary heart disease were described as having cardiac disease. A history of kidney disease was identified in participants who reported being told that they have kidney disease (not including kidney stones, bladder infection, or incontinence). Those who reported having a stroke in the past were described as being individuals with prior stroke. Patients with a positive response to having been told that they had any type of malignancy, including skin cancer, were deemed to be individuals with malignancy.

Current smokers were defined as individuals who currently smoked and had smoked at least 100 cigarettes in their lifetime.^{1,2} Current alcohol abuse was defined as the consumption of >2 drinks a day for men and >1 drink a day for women. Physical inactivity was defined as

individuals who were engaged in ≤ 75 minutes per week of vigorous physical activity or ≤ 150 minutes per week of moderate-intensity physical activity, as previously described.^{1,2}

eTable 1. Baseline Characteristics of the Study Population

	Northeast		Midwest		South		West	
	Blacks	Whites	Blacks	Whites	Blacks	Whites	Blacks	Whites
	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)
Demographics								
18-44 Years	49.3 (47.2-51.4)	39.9 (39.1-40.7)	49.8 (47.9-51.7)	42.4 (41.8-42.9)	51.9 (50.5-53.3)	41.8 (41.2-42.5)	48.8 (45.1-52.6)	44.2 (43.4-45.1)
45-64 Years	34.5 (32.5-36.5)	35.5 (34.8-36.2)	34.6 (32.8-36.3)	34.5 (34-35)	33.1 (31.8-34.3)	34.0 (33.4-34.7)	34.6 (31-38.3)	33.3 (32.6-34.1)
>65 Years	16.2 (14.7-17.6)	24.6 (24-25.2)	15.6 (14.5-16.8)	23.2 (22.8-23.5)	15.0 (14.2-15.9)	24.1 (23.6-24.6)	16.5 (13.2-19.8)	22.4 (21.8-23)
Males	53.2 (51.1-55.3)	51.6 (50.8-52.4)	52.8 (51-54.7)	51.0 (50.4-51.5)	53.5 (52.1-54.9)	51.4 (50.7-52.1)	51.7 (47.9-55.5)	51.1 (50.3-51.9)
Education								
<High School	15.0 (13.3-16.6)	9.3 (8.7-9.9)	16.3 (14.6-18.1)	9.3 (8.9-9.7)	15.1 (14.1-16.1)	13.0 (12.5-13.6)	11.0 (8.5-13.4)	13.3 (12.6-14)
High School	32.9 (30.9-35)	29.8 (29.1-30.5)	32 (30.2-33.7)	30.7 (30.2-31.2)	33.6 (32.3-34.9)	28.6 (28-29.2)	26.4 (23.1-29.7)	23.8 (23.1-24.4)
Some College	30.4 (28.4-32.3)	27.6 (26.9-28.3)	33.6 (31.8-35.3)	33.2 (32.7-33.7)	32.1 (30.8-33.5)	31.4 (30.8-32)	42.8 (38.9-46.6)	35.1 (34.4-35.9)
College Degree	21.7 (20.2-23.2)	33.3 (32.6-33.9)	18.1 (16.9-19.3)	26.8 (26.4-27.2)	19.2 (18.2-20.2)	26.9 (26.4-27.4)	19.9 (17.4-22.4)	27.8 (27.2-28.4)
Annual Household Income								
<\$15,000	15.2 (13.7-16.8)	7.0 (6.6-7.4)	19.1 (17.5-20.7)	7.2 (6.9-7.5)	17.7 (16.6-18.9)	9.6 (9.1-10)	18.9 (15.7-22.1)	10.2 (9.6-10.8)
\$15,000-\$25,000	21.7 (19.7-23.6)	12.6 (12-13.1)	25.4 (23.7-27.2)	14.2 (13.8-14.6)	24.5 (23.3-25.8)	17.2 (16.6-17.8)	17.4 (14.1-20.8)	13.6 (13-14.2)
\$25,000-\$35,000	13.0 (11.3-14.6)	8.7 (8.2-9.1)	12.9 (11.5-14.2)	10.1 (9.7-10.4)	12.4 (11.4-13.4)	10.2 (9.8-10.7)	10.1 (7.5-12.6)	9.4 (8.9-9.9)
\$35,000-\$50,000	14.1 (12.5-15.7)	12.3 (11.7-12.8)	13.7 (12.1-15.2)	14.9 (14.5-15.3)	14.2 (13.1-15.3)	13.6 (13.1-14.1)	13.5 (10.8-16.2)	12.8 (12.2-13.4)
>\$50,000	36.0 (33.9-38.2)	59.5 (58.7-60.3)	28.9 (27.1-30.7)	53.5 (53-54.1)	31.2 (29.7-32.6)	49.4 (48.7-50.2)	40.1 (36-44.2)	54.0 (53.1-54.8)

eTable 2. Health Determinant Domains Across the United States: Black Individuals

State	Comorbidities	Preexisting Medical Conditions	Poor Health Behaviors	Adverse Socioeconomic Factors
	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)
Alaska	77.9 (65.2-90.7)	27.8 (13.3-42.2)	59.5 (43.1-75.9)	35.8 (18.5-53.1)
Alabama	70.7 (67.7-73.6)	32.5 (29.5-35.5)	51.6 (48.3-54.9)	52.0 (48.8-55.2)
Arkansas	71.1 (64.4-77.8)	30.6 (24.5-36.6)	57.0 (49.9-64.1)	60.3 (53.4-67.2)
Arizona	58.3 (53.8-62.8)	32.3 (27.7-37.0)	49.9 (44.7-55.2)	40.9 (35.9-46.0)
California	60.7 (55.9-65.5)	29.8 (24.9-34.8)	61.1 (55.5-66.8)	40.3 (34.9-45.8)
Colorado	59.1 (53.2-64.9)	32.1 (25.6-38.5)	58.1 (51.2-65.1)	34.4 (28.0-40.8)
Connecticut	58.5 (54.3-65.6)	30.2 (26.2-34.2)	49.7 (45.0-54.3)	43.0 (38.6-47.5)
Delaware	63.5 (58.2-68.8)	27.3 (22.8-31.8)	49.7 (43.9-55.4)	36.7 (31.6-41.8)
District of Columbia	60.3 (57.8-62.8)	31.8 (29.2-34.3)	55.1 (52.4-57.8)	41.3 (38.6-44.0)
Florida	63.1 (58.9-67.2)	22.3 (19.0-25.5)	50.7 (46.1-55.3)	54.9 (50.6-59.3)
Georgia	59.0 (56.1-61.9)	26.2 (23.7-28.8)	50.9 (47.7-54.1)	48.4 (45.3-51.5)
Hawaii	55.1 (42.8-67.3)	29.4 (18.1-40.7)	49.4 (36.6-62.3)	28.6 (16.6-40.6)
Iowa	66.9 (59.3-74.5)	26.1 (17.7-34.5)	59.2 (49.6-68.8)	48.9 (39.2-58.6)
Idaho	69.3 (52.3-86.4)	-	30.6 (12.2-49.1)	69.0 (53.2-84.8)
Illinois	61.2 (56.7-65.7)	28.2 (23.9-32.5)	57.5 (52.5-62.5)	46.2 (41.4-51.1)
Indiana	70.8 (67.1-74.4)	31.8 (28.1-35.5)	53.5 (49.3-57.6)	50.6 (46.6-54.6)
Kansas	62.2 (58.7-65.7)	30.8 (27.2-34.4)	53.7 (49.6-57.8)	49.4 (45.5-53.4)
Kentucky	65.1 (58.8-71.4)	38.2 (30.9-45.4)	53.7 (46.1-61.3)	43.5 (35.9-51.1)
Louisiana	66.6 (63.4-69.9)	29.0 (25.8-32.1)	49.9 (46.0-53.7)	57.9 (54.4-61.5)
Maine	56.0 (41.6-70.5)	24.6 (8.7-40.5)	39.6 (25.7-53.6)	54.4 (34.2-74.5)
Maryland	65.0 (62.4-67.6)	29.2 (26.7-31.8)	54.2 (51.4-57.0)	30.4 (27.8-33.0)
Massachusetts	59.9 (53.0-66.8)	28.7 (20.6-36.7)	48.7 (40.5-56.8)	34.3 (26.9-41.8)
Michigan	66.1 (62.8-69.4)	34.5 (31.2-37.7)	52.8 (49.1-56.5)	52.1 (48.5-55.7)
Minnesota	55.4 (50.5-60.4)	24.0 (19.3-28.7)	53.3 (47.8-58.8)	52.1 (47.2-58.1)
Mississippi	68.1 (64.6-71.6)	26.5 (23.4-29.7)	50.3 (46.4-54.2)	60.0 (56.3-63.6)

Missouri	61.5 (56.6-66.4)	31.7 (27.2-36.2)	59.6 (54.5-64.6)	55.7 (50.6-60.7)
Montana	47.4 (24.9-69.6)	28.5 (6.4-50.6)	81.1 (66.3-68.5)	67.8 (43.4-92.3)
Nebraska	74.1 (68.3-80.0)	29.4 (23.0-35.8)	56.3 (49.1-6.4)	55.7 (48.7-62.7)
Nevada	61.2 (53.8-68.6)	36.5 (28.3-44.7)	54.9 (46.4-63.4)	36.8 (28.5-45.0)
New Hampshire	61.7 (43.2-80.2)	20.8 (1.0-41.7)	73.0 (52.8-93.3)	37.7 (19.3-56.2)
New Jersey	62.4 (58.5-66.2)	26.3 (22.8-29.9)	50.3 (46.1-53.3)	39.6 (35.5-43.7)
New Mexico	58.4 (47.6-69.2)	27.6 (17.6-37.5)	63.5 (51.4-75.6)	41.4 (27.9-54.8)
New York	60.4 (57.5-63.3)	27.1 (24.3-30.0)	50.0 (46.6-53.3)	43.4 (40.2-46.6)
North Carolina	64.5 (60.7-68.2)	29.3 (25.4-33.1)	54.1 (49.8-58.4)	46.9 (42.8-51.1)
North Dakota	57.1 (45.1-69.1)	29.3 (19.9-38.7)	47.6 (36.1-59.1)	44.1 (31.5-56.8)
Ohio	65.2 (61.5-68.9)	31.3 (27.7-35.0)	57.2 (53.1-61.3)	48.7 (44.6-52.9)
Oklahoma	63.9 (58.7-69.1)	31.9 (26.3-37.4)	45.8 (39.7-51.9)	44.6 (38.7-50.5)
Oregon	49.8 (38.4-61.3)	35.2 (24.3-46.1)	62.2 (50.2-74.1)	42.9 (31.0-54.8)
Pennsylvania	61.0 (56.5-65.4)	28.0 (23.8-32.2)	58.2 (53.0-63.3)	45.3 (40.3-50.3)
Rhode Island	56.7 (49.5-63.9)	27.0 (20.5-33.5)	52.1 (44.0-60.1)	43.6 (35.7-51.5)
South Carolina	69.1 (66.6-71.6)	28.0 (25.7-30.4)	51.9 (49.2-54.6)	52.5 (49.8-55.1)
South Dakota	26.4 (9.5-43.3)	-	73.9 (57.6-90.2)	63.5 (39.6-87.3)
Tennessee	67.1 (62.3-71.9)	28.9 (24.3-33.5)	54.7 (49.5-60.0)	51.8 (46.6-57.0)
Texas	64.0 (58.5-69.5)	28.6 (23.2-34.0)	49.8 (43.7-56.0)	47.1 (41.2-53.0)
Utah	58.6 (48.8-68.4)	22.1 (10.6-33.6)	48.4 (33.7-63.0)	59.8 (47.8-71.9)
Vermont	43.6 (26.9-60.4)	40.2 (24.3-56.2)	57.5 (41.4-73.6)	58.2 (40.1-76.3)
Virginia	66.4 (63.2-69.6)	27.8 (24.8-30.7)	52.3 (48.7-55.8)	41.5 (38.0-45.0)
Washington	54.3 (48.2-60.3)	24.6 (19.1-30.2)	62.4 (56.0-68.8)	39.8 (33.3-46.2)
West Virginia	63.6 (53.4-73.8)	36.4 (26.2-46.7)	66.5 (58.0-74.9)	51.2 (40.6-61.7)
Wisconsin	57.2 (46.9-67.5)	25.7 (17.2-34.2)	54.5 (43.7-65.2)	48.1 (37.8-58.3)
Wyoming	65.2 (47.6-82.8)	26.7 (10.9-42.6)	53.2 (35.7-70.7)	38.6 (20.8-56.4)

eTable 3. Health Determinant Domains Across the United States: White Individuals

State	Comorbidities	Preexisting Medical Conditions	Poor Health Behaviors	Adverse Socioeconomic Factors
	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)	Prevalence (95% CI)
Alaska	56.4 (53.4-59.3)	26.1 (23.5-28.6)	68.0 (65.1-70.9)	27.3 (24.5-30.2)
Alabama	61.6 (59.6-63.6)	35.9 (34.0-37.8)	57.4 (55.3-59.5)	35.0 (32.9-37.0)
Arkansas	61.8 (59.1-64.6)	34.0 (31.4-36.5)	58.6 (55.8-61.5)	37.6 (34.7-40.5)
Arizona	54.9 (53.7-56.1)	32.8 (31.7-34.0)	58.6 (55.8-61.5)	33.2 (31.9-34.5)
California	51.4 (49.8-53.0)	29.7 (28.3-31.2)	63.2 (61.5-64.9)	35.8 (34.2-37.5)
Colorado	48.7 (47.4-50.0)	28.9 (27.7-30.1)	67.0 (65.7-68.4)	24.3 (23.0-25.5)
Connecticut	51.9 (50.3-53.5)	31.2 (29.7-32.6)	59.6 (57.9-61.3)	20.7 (19.2-22.2)
Delaware	55.6 (52.8-58.3)	32.3 (29.7-35.0)	59.7 (56.8-62.5)	27.2 (24.6-29.9)
District of Columbia	43.0 (39.7-46.2)	23.9 (21.2-26.7)	70.0 (66.8-73.1)	8.5 (6.1-10.9)
Florida	53.6 (51.8-55.4)	31.2 (29.5-33.0)	61.0 (59.0-62.9)	37.5 (35.6-39.4)
Georgia	55.8 (53.7-57.9)	29.9 (28.0-31.8)	58.2 (56.0-60.4)	35.1 (32.9-37.3)
Hawaii	47.8 (45.3-50.3)	32.5 (30.1-34.9)	70.2 (67.8-72.7)	25.9 (23.4-28.4)
Iowa	57.3 (55.9-58.7)	27.4 (26.2-28.7)	60.2 (58.8-61.7)	25.0 (23.7-26.4)
Idaho	52.5 (50.5-54.4)	28.8 (27.1-30.6)	62.0 (60.0-64.1)	34.1 (32.1-36.2)
Illinois	56.9 (54.9-58.8)	28.5 (26.8-30.2)	62.4 (60.4-64.1)	27.7 (25.7-29.6)
Indiana	57.7 (56.5-58.9)	30.6 (29.5-31.7)	60.0 (58.8-61.3)	33.6 (32.3-34.8)
Kansas	56.8 (55.9-57.7)	28.5 (27.7-29.3)	58.7 (57.7-59.6)	29.5 (28.3-30.4)
Kentucky	60.3 (58.5-62.0)	33.9 (32.2-35.6)	58.8 (56.9-60.6)	31.2 (29.4-33.0)
Louisiana	60.0 (57.9-62.1)	32.6 (30.6-34.7)	62.7 (60.6-64.9)	34.2 (32.0-36.3)
Maine	57.2 (55.5-58.9)	31.3 (29.8-32.9)	63.4 (61.6-65.1)	30.9 (29.2-32.6)
Maryland	53.9 *52.2-55.6(	30.8 *29.2-32.4(	60.4 (58.6-62.2)	20.1 (18.4-21.8)
Massachusetts	51.3 (49.1-53.4)	31.6 (29.5-33.7)	60.8 (58.8-61.3)	16.9 (15.0-18.7)
Michigan	56.1 (54.7-57.4)	32.3 (31.0-33.6)	62.6 (61.2-64.0)	26.9 (25.5-28.2)
Minnesota	50.0 (49.0-51.0)	25.1 (24.2-26.0)	60.2 (59.1-61.2)	21.6 (20.6-22.5)
Mississippi	60.5 (58.0-63.0)	29.8 (27.6-32.0)	61.5 (58.9-64.1)	40.5 (37.9-43.2)

Missouri	55.3 (53.5-57.1)	30.6 (29.0-32.2)	59.9 (58.1-61.7)	30.3 (28.5-32.0)
Montana	47.4 (45.5-49.2)	28.5 (26.7-30.2)	64.3 (62.4-66.2)	31.2 (29.3-33.1)
Nebraska	55.6 (54.3-56.9)	25.5 (24.0-26.9)	59.2 (57.8-60.5)	25.5 (23.9-27.1)
Nevada	54.6 (51.8-57.5)	33.2 (30.6-35.8)	61.5 (58.5-64.4)	31.9 (29.1-34.8)
New Hampshire	51.8 (49.6-53.9)	33.0 (31.0-35.1)	63.1 (60.9-65.3)	23.1 (21.1-25.1)
New Jersey	54.3 (52.3-56.4)	27.0 (25.4-28.6)	58.8 (56.7-60.8)	24.0 (22.1-25.8)
New Mexico	54.5 (52.5-56.6)	30.5 (28.6-32.3)	62.4 (60.3-64.5)	40.1 (38.0-42.2)
New York	51.5 (51.0-53.0)	25.9 (24.6-27.2)	59.3 (57.7-60.9)	28.0 (26.5-29.4)
North Carolina	56.5 (54.3-58.8)	31.1 (29.1-33.2)	62.4 (60.2-64.7)	31.2 (29.3-33.1)
North Dakota	55.4 (53.7-57.0)	25.5 (24.0-26.9)	57.7 (55.9-59.4)	25.5 (23.9-27.1)
Ohio	57.5 (55.9-59.0)	29.3 (28.0-30.7)	60.8 (59.2-62.3)	29.4 (27.9-30.9)
Oklahoma	60.0 (58.2-61.8)	32.2 (30.6-33.8)	54.1 (52.2-56.0)	36.5 (34.6-38.4)
Oregon	52.7 (51.0-54.3)	32.3 (30.7-33.9)	65.2 (63.5-66.9)	30.7 (29.0-32.5)
Pennsylvania	55.3 (53.5-57.1)	31.0 (29.3-32.7)	63.9 (62.1-65.8)	26.7 (24.9-28.6)
Rhode Island	55.4 (53.1-57.6)	32.9 (30.9-35.0)	59.6 (57.3-62.0)	27.0 (24.8-29.3)
South Carolina	57.7 (56.1--59.4)	31.4 (29.9-32.9)	61.4 (59.6-63.1)	31.5 (29.8-33.2)
South Dakota	53.0 (50.7-55.3)	24.4 (22.4-26.3)	60.9 (58.5-63.4)	56.8 (24.5-29.2)
Tennessee	58.8 (56.8-60.8)	34.9 (33.0-36.8)	59.3 (57.2-61.4)	35.3 (33.3-37.3)
Texas	58.9 (56.9-60.9)	27.1 (25.3-28.9)	52.1 (50.0-54.3)	40.9 (38.8-43.0)
Utah	49.6 (48.4-50.8)	29.6 (28.5-30.7)	59.5 (58.2-60.8)	22.9 (21.7-24.0)
Vermont	50.6 (48.8-52.4)	32.0 (30.3-33.7)	66.1 (64.3-68.0)	26.7 (24.9-28.5)
Virginia	55.4 (53.7-57.0)	30.5 (28.9-32.0)	62.7 (61.1-64.4)	24.8 (23.2-26.4)
Washington	54.0 (52.7-55.2)	33.2 (32.0-34.4)	65.4 (64.2-66.7)	24.4 (23.2-25.6)
West Virginia	65.2 (63.4-67.0)	37.4 (35.7-39.1)	62.5 (60.7-64.3)	40.9 (39.0-42.8)
Wisconsin	55.4 (53.5-57.3)	25.6 (24.0-27.1)	65.2 (63.3-67.1)	24.1 (22.4-25.9)
Wyoming	52.7 (50.8-54.6)	28.4 (26.7-30.1)	65.1 (63.2-67.0)	31.5 (29.5-33.4)

eTable 4. State-Level Health Determinants Across the United States: White Individuals

State	Diabetes	Hypertension	Hypercholesterolemia	Obesity	Pulmonary Disease	Malignancy	Cardiac Disease	Kidney Disease	Stroke	Alcohol	Physical Inactivity	Smoking	Education Status	Household Income	Lack of Health Insurance
Alabama	12.4 (11.3-13.6)	37.1 (35.3-38.8)	34.5 (32.6-36.4)	34.2 (32.2-36.2)	22.0 (20.3-23.8)	14.9 (13.8-16.1)	8.4 (7.5-9.3)	3.9 (3.1-4.7)	4.6 (3.9-5.4)	4.8 (3.8-5.8)	44.4 (42.2-46.6)	17.0 (14.6-19.5)	14.8 (13.2-16.5)	27.1 (25.1-29.1)	12.9 (11.4-14.5)
Alaska	7.6 (6.2-8.9)	32.0 (29.4-34.5)	30.8 (28.0-33.7)	32.5 (29.6-35.5)	15.7 (13.4-17.9)	10.6 (9.1-12.1)	4.5 (3.5-5.5)	2.0 (1.3-2.7)	2.3 (1.5-3.2)	9.2 (7.5-11.0)	61.1 (58.0-64.2)	22.1 (20.2-23.9)	6.5 (4.8-8.2)	17.2 (14.7-19.7)	10.9 (8.9-13.0)
Arizona	8.5 (7.9-9.1)	28.8 (27.8-29.7)	31.7 (30.5-32.8)	29.2 (28.0-30.4)	20.3 (19.3-21.3)	13.7 (13.0-14.3)	5.5 (5.1-6.0)	3.6 (3.3-4.0)	2.6 (2.3-2.8)	6.2 (5.5-6.9)	54.1 (52.8-55.5)	23.5 (20.8-26.2)	11.8 (10.7-12.9)	25.0 (23.8-26.3)	11.3 (10.4-12.2)
Arkansas	11.1 (9.7-12.4)	38.9 (36.3-41.5)	33.4 (30.7-36.0)	33.9 (31.1-36.6)	21.0 (18.7-23.3)	13.9 (12.5-15.4)	8.6 (7.4-9.8)	3.4 (2.6-4.1)	3.9 (3.0-4.8)	6.9 (4.9-8.9)	45.7 (42.7-48.8)	16.9 (15.8-17.9)	12.5 (10.2-14.8)	31.2 (28.3-34.1)	10.2 (8.0-12.4)
California	9.0 (8.1-9.9)	26.7 (25.4-28.0)	29.3 (27.8-30.8)	26.7 (25.4-28.0)	17.7 (16.4-19.0)	12.3 (11.4-13.3)	4.9 (4.3-5.6)	3.2 (2.6-3.7)	2.2 (1.8-2.6)	7.6 (6.6-8.6)	59.4 (57.6-61.2)	12.4 (11.1-13.7)	19.0 (17.5-20.5)	26.8 (25.2-28.4)	11.5 (10.4-12.6)
Colorado	6.2 (5.6-6.7)	25.0 (24.0-26.0)	28.5 (27.3-29.6)	22.4 (21.2-23.6)	17.3 (16.2-18.3)	12.5 (11.7-13.2)	4.0 (3.6-4.5)	2.2 (1.8-2.5)	1.9 (1.6-2.3)	7.4 (6.6-8.2)	60.8 (59.4-62.3)	14.8 (13.7-15.9)	6.4 (5.6-7.3)	17.1 (15.9-18.2)	8.8 (7.9-9.6)
Connecticut	7.6 (6.9-8.3)	6.4 (5.4-7.4)	29.2 (27.8-30.6)	25.5 (24.1-27.0)	20.4 (19.0-21.8)	11.2 (10.6-11.9)	4.8 (4.3-5.3)	2.5 (2.1-3.0)	2.0 (1.7-2.4)	6.0 (5.2-6.8)	54.1 (52.3-55.9)	13.2 (11.9-14.4)	14.2 (13.0-15.5)	20.4 (19.0-21.8)	6.4 (5.4-7.4)
Delaware	9.3 (8.0-10.6)	31.3 (28.9-33.6)	32.2 (29.5-34.9)	29.6 (27.0-32.2)	19.8 (17.3-22.3)	13.4 (12.0-14.8)	5.8 (4.8-6.8)	3.1 (2.2-4.0)	2.7 (2.1-3.3)	7.1 (5.6-8.5)	48.9 (45.8-51.9)	7.6 (5.6-9.7)	10.3 (8.3-12.4)	20.5 (18.0-23.0)	9.8 (7.9-11.8)
District of Columbia	3.9 (2.8-5.0)	19.1 (16.8-21.4)	29.0 (26.0-32.0)	13.1 (10.7-15.5)	12.6 (10.2-14.9)	12.3 (10.6-14.1)	3.2 (2.2-4.2)	1.4 (0.6-2.1)	1.0 (0.4-1.3)	13.5 (11.1-15.9)	64.9 (61.5-68.3)	18.4 (16.1-20.8)	2.5 (0.7-4.3)	5.2 (3.4-7.0)	2.6 (1.3-3.9)
Florida	8.0 (7.2-8.7)	30.5 (29.0-32.0)	33.0 (31.2-34.9)	25.7 (24.0-27.4)	18.6 (17.0-20.2)	13.7 (12.8-14.7)	6.2 (5.6-6.8)	2.2 (1.9-2.5)	2.9 (2.4-3.4)	6.7 (5.9-7.5)	51.9 (49.8-53.9)	17.4 (16.0-18.9)	10.3 (9.1-11.6)	28.8 (26.8-30.8)	15.9 (14.4-17.3)
Georgia	10.5 (9.3-11.7)	31.9 (30.0-33.8)	31.3 (29.3-33.4)	30.9 (28.7-33.1)	17.5 (15.8-19.2)	13.1 (12.0-14.3)	6.5 (5.6-7.3)	3.2 (2.5-3.8)	3.0 (2.4-6.4)	7.3 (6.1-8.5)	46.8 (44.5-49.2)	20.1 (18.2-22.1)	13.9 (12.1-15.8)	25.4 (23.2-27.5)	15.9 (14.2-17.6)
Hawaii	5.4 (4.4-6.4)	23.3 (21.4-25.2)	27.5 (25.2-29.8)	20.8 (18.6-23.1)	19.3 (17.1-21.5)	13.6 (12.3-14.9)	3.9 (3.1-4.8)	2.4 (1.7-3.0)	2.4 (1.7-3.0)	12.2 (10.2-14.2)	63.9 (61.2-66.7)	13.4 (11.4-15.4)	6.9 (5.1-8.7)	19.4 (17.2-21.7)	6.8 (5.3-8.4)
Idaho	7.9 (7.0-8.7)	28.8 (26.5-30.4)	28.4 (26.5-30.4)	29.0 (27.1-30.9)	16.7 (15.1-18.2)	12.8 (11.6-13.9)	4.8 (4.1-5.5)	2.7 (2.2-3.2)	2.5 (2.0-3.0)	6.0 (5.2-6.8)	55.4 (53.2-57.6)	17.0 (15.9-18.2)	9.0 (7.7-10.3)	23.8 (22.2-25.7)	15.4 (13.7-17.1)
Illinois	9.8 (8.7-10.8)	30.0 (28.5-31.6)	30.7 (29.0-32.4)	31.1 (29.2-33.0)	17.7 (16.2-19.2)	10.2 (9.3-11.0)	5.7 (5.0-6.4)	3.2 (2.6-3.8)	2.4 (1.9-2.9)	6.5 (5.4-7.6)	54.0 (51.9-56.2)	14.6 (13.0-16.1)	10.2 (8.7-11.8)	21.0 (19.2-22.8)	9.6 (8.2-10.9)
Indiana	10.8 (10.2-11.4)	32.8 (31.7-33.8)	31.4 (30.3-32.5)	33.1 (31.9-34.3)	19.7 (18.7-20.7)	11.4 (10.8-12.0)	7.0 (6.5-7.5)	2.9 (2.6-3.3)	3.3 (3.0-3.7)	6.4 (5.7-7.1)	46.9 (45.5-48.2)	16.1 (14.5-17.8)	12.1 (11.1-13.2)	24.9 (23.7-26.1)	9.7 (8.9-10.5)
Iowa	8.6 (7.9-9.3)	29.2 (28.1-30.3)	29.3 (28.1-30.6)	36.9 (35.4-38.3)	16.7 (15.5-17.8)	11.6 (10.9-12.3)	5.6 (5.1-6.1)	1.8 (1.5-2.2)	2.6 (2.2-3.0)	7.6 (6.8-8.4)	50.8 (49.3-52.3)	23.2 (22.1-24.4)	7.2 (6.2-8.2)	19.5 (18.3-20.7)	6.7 (5.9-7.5)
Kansas	9.6 (9.1-10.0)	31.3 (30.6-32.1)	31.1 (30.2-31.9)	33.0 (32.1-33.8)	17.4 (16.7-18.1)	11.7 (11.2-12.2)	5.6 (5.3-6.0)	2.5 (2.2-2.7)	2.5 (2.3-2.7)	6.2 (5.7-6.7)	50.0 (49.0-50.9)	17.8 (17.1-18.6)	9.6 (8.8-10.4)	20.4 (19.6-21.3)	12.0 (11.3-12.6)
Kentucky	12.0 (10.9-13.0)	37.1 (35.6-38.7)	36.0 (34.2-37.9)	34.5 (32.7-36.3)	21.7 (20.1-23.3)	13.4 (12.2-14.5)	9.0 (8.1-10.0)	3.8 (3.1-4.5)	4.3 (3.6-5.0)	6.1 (5.2-7.0)	44.7 (42.7-46.6)	25.7 (24.0-27.5)	14.7 (13.1-16.3)	26.5 (24.6-28.4)	7.0 (6.0-8.0)
Louisiana	11.1 (9.8-12.4)	35.6 (33.6-37.5)	35.1 (33.0-37.3)	34.0 (31.8-36.1)	20.0 (18.1-21.8)	12.5 (11.3-13.7)	7.1 (6.2-8.1)	3.7 (2.9-4.5)	3.5 (2.7-4.2)	8.0 (6.7-9.3)	48.3 (45.9-50.6)	24.8 (22.8-26.9)	12.3 (10.6-14.1)	26.5 (24.3-28.6)	9.0 (7.7-10.4)
Maine	9.1 (8.3-9.9)	31.0 (29.6-32.5)	32.1 (30.5-33.7)	29.1 (27.4-30.7)	19.9 (18.5-21.3)	12.4 (11.6-13.2)	6.0 (5.4-6.7)	2.8 (2.2-3.4)	2.4 (2.0-2.9)	9.6 (8.4-10.7)	52.7 (50.8-54.5)	14.2 (12.5-15.8)	7.2 (6.0-8.4)	23.5 (22.0-25.1)	10.4 (9.2-11.6)
Maryland	8.0 (7.3-8.7)	28.6 (27.4-29.9)	31.6 (30.1-33.1)	28.3 (26.7-30.0)	17.5 (16.1-18.8)	13.3 (12.4-14.1)	4.8 (4.3-5.3)	2.8 (2.1-3.5)	2.6 (2.1-3.1)	7.0 (6.0-8.0)	52.7 (50.8-54.6)	14.7 (13.4-16.1)	9.0 (7.5-10.5)	14.9 (13.3-16.5)	6.5 (5.3-7.8)
Massachusetts	8.2 (7.1-9.3)	26.4 (24.7-28.1)	28.5 (26.5-30.5)	25.6 (23.5-27.7)	21.1 (19.1-23.0)	11.8 (10.6-12.9)	4.9 (4.0-5.7)	2.9 (2.1-3.6)	2.5 (1.9-3.1)	7.9 (6.7-9.1)	54.0 (51.6-56.5)	18.5 (17.0-20.0)	7.7 (6.1-9.3)	12.4 (10.8-14.1)	3.7 (2.9-4.6)
Michigan	9.3 (8.6-9.9)	30.9 (29.5-32.0)	31.2 (29.9-32.4)	30.7 (29.4-32.0)	20.6 (19.5-21.8)	12.2 (11.5-12.9)	6.7 (6.2-7.3)	3.3 (2.8-3.8)	3.0 (2.5-3.5)	7.6 (6.8-8.4)	51.1 (49.6-52.6)	20.1 (18.9-21.3)	8.6 (7.5-9.6)	20.5 (19.3-21.8)	7.1 (6.3-8.0)
Minnesota	6.9 (6.4-7.3)	25.0 (24.2-25.7)	26.1 (25.2-27.0)	28.3 (27.3-29.2)	13.8 (13.0-14.6)	11.0 (10.5-11.5)	4.5 (4.2-4.8)	2.3 (2.0-2.6)	2.0 (1.7-2.2)	7.6 (7.0-8.3)	52.5 (51.4-53.6)	14.8 (14.0-15.6)	5.8 (5.1-6.5)	16.3 (15.5-17.2)	6.5 (5.9-7.0)
Mississippi	11.9 (10.6-13.3)	35.2 (33.2-37.3)	35.6 (33.1-38.0)	33.6 (31.1-36.1)	17.8 (15.8-19.8)	13.3 (11.9-14.7)	8.3 (7.1-9.4)	3.1 (2.3-3.9)	3.9 (3.1-4.8)	5.7 (4.3-7.1)	47.9 (45.1-50.7)	21.3 (19.8-22.9)	14.5 (12.4-16.7)	29.5 (26.9-32.1)	15.2 (13.1-17.3)
Missouri	9.3 (8.4-10.2)	29.4 (27.9-30.8)	31.4 (29.6-33.1)	32.0 (30.3-33.7)	18.4 (17.0-19.8)	12.6 (11.7-13.6)	6.9 (6.2-7.6)	3.0 (2.5-3.5)	3.7 (3.2-4.3)	6.4 (5.4-7.4)	48.0 (46.1-49.9)	26.2 (23.7-28.7)	10.0 (8.7-11.3)	22.5 (20.9-24.2)	11.6 (10.3-12.9)
Montana	6.5 (5.7-7.4)	26.4 (24.9-28.0)	24.6 (22.8-26.3)	24.4 (22.7-26.1)	16.9 (15.5-18.4)	12.3 (11.2-13.6)	4.5 (3.9-5.1)	2.8 (2.1-3.5)	2.1 (1.6-2.5)	8.7 (7.5-9.9)	55.6 (53.5-57.6)	16.4 (14.8-18.0)	6.8 (5.6-8.0)	25.3 (23.4-27.2)	10.5 (9.1-11.9)
Nebraska	9.1 (8.4-9.7)	28.5 (27.5-29.6)	29.4 (28.2-30.6)	32.4 (31.1-33.7)	15.7 (14.7-16.7)	10.7 (10.1-11.3)	5.5 (5.1-11.3)	2.9 (2.5-3.4)	2.6 (2.2-2.9)	7.7 (6.9-8.5)	50.0 (48.6-51.5)	17.8 (15.9-19.6)	6.7 (5.9-7.5)	19.9 (18.8-21.0)	9.8 (8.9-10.7)
Nevada	8.0 (6.8-9.2)	30.6 (28.2-32.9)	29.8 (27.1-32.4)	25.8 (23.1-28.6)	19.1 (16.8-21.4)	14.4 (12.6-16.1)	6.4 (5.1-7.7)	4.2 (3.0-5.3)	3.0 (2.1-3.8)	7.3 (5.8-8.8)	50.6 (47.6-53.7)	17.8 (16.4-19.2)	9.8 (7.7-11.9)	22.2 (19.5-24.9)	12.7 (10.5-14.9)
New Hampshire	7.4 (6.6-8.3)	27.0 (25.5-28.5)	29.0 (27.2-30.9)	28.3 (26.2-30.3)	21.7 (19.9-23.6)	12.8 (11.7-13.9)	4.8 (4.2-5.4)	2.2 (1.8-2.7)	2.4 (1.9-3.0)	7.9 (6.6-9.2)	55.1 (52.7-57.5)	15.4 (14.4-16.5)	7.5 (6.1-8.9)	17.5 (15.7-19.3)	7.4 (6.1-8.8)
New Jersey	8.1 (7.3-8.9)	29.1 (27.5-30.6)	32.7 (30.8-34.6)	27.3 (25.3-29.3)	15.7 (14.3-17.2)	11.5 (10.7-12.3)	5.2 (4.5-5.8)	2.4 (1.9-2.9)	2.2 (1.9-2.5)	6.6 (5.5-7.6)	50.9 (48.7-53.1)	16.5 (14.6-18.3)	7.6 (6.2-8.9)	17.6 (16.0-19.2)	8.3 (7.0-9.7)
New Mexico	8.7 (7.7-9.8)	28.8 (27.2-30.5)	29.4 (27.4-31.4)	28.3 (26.3-30.3)	19.3 (17.6-20.9)	11.7 (10.6-12.8)	5.4 (4.4-5.7)	3.3 (2.6-3.9)	2.5 (1.9-3.0)	5.8 (4.8-6.7)	53.8 (51.5-56.0)	15.5 (14.0-17.1)	13.9 (12.3-15.5)	35.0 (32.8-37.2)	11.9 (10.5-13.4)
New York	8.0 (7.4-8.7)	26.1 (25.0-27.3)	30.1 (28.7-31.5)	24.9 (23.5-26.3)	16.8 (15.6-17.9)	10.0 (9.3-10.7)	5.3 (4.7-5.8)	2.3 (1.9-2.7)	2.1 (1.7-2.5)	7.4 (6.5-8.2)	52.5 (50.8-54.2)	18.2 (16.5-20.0)	10.4 (9.3-11.5)	22.4 (21.0-23.8)	8.2 (7.3-9.2)
North Carolina	8.6 (7.5-9.7)	31.0 (29.1-32.9)	32.2 (30.0-34.3)	30.2 (28.0-32.4)	18.4 (16.7-20.2)	13.5 (12.2-14.8)	6.6 (5.6-7.7)	3.8 (2.9-4.7)	3.0 (2.3-3.8)	6.6 (5.4-7.9)	53.0 (50.6-55.5)	18.1 (15.8-20.5)	10.0 (8.3-11.7)	23.1 (20.9-25.2)	11.5 (9.9-13.2)
North Dakota	8.4 (7.6-8.3)	29.0 (27.8-30.3)	28.5 (27.1-29.9)	33.1 (31.5-34.8)	15.3 (14.0-16.6)	10.0 (9.2-10.7)	5.4 (4.9-6.0)	2.4 (2.0-2.9)	2.5 (2.0-2.9)	7.6 (6.6-8.7)	46.6 (44.8-48.4)	16.0 (14.7-17.2)	7.2 (6.2-8.3)	18.1 (16.6-19.5)	7.8 (6.7-8.8)
Ohio	9.9 (9.2-10.6)	32.1 (30.8-33.4)	30.8 (29.4-32.2)	33.1 (31.6-34.6)	18.3 (17.0-19.5)	11.1 (10.3-11.8)	6.4 (5.9-7.0)	2.6 (2.2-3.0)	3.1 (2.7-3.5)	7.8 (6.9-8.7)	48.5 (46.9-50.1)	21.4 (20.0-22.8)	10.2 (9.0-11.4)	23.7 (22.3-25.2)	7.2 (6.3-8.1)
Oklahoma	11.3 (10.4-12.3)	35.5 (34.0-37.1)	34.2 (32.4-36.0)	36.5 (34.6-38.4)	19.6 (18.1-21.0)	12.9 (12.0-13.9)	7.5 (6.7-8.2)	3.9 (3.3-4.5)	4.2 (3.5-4.8)	4.9 (4.0-5.9)	42.5 (40.5-44.5)	20.6 (18.9-22.2)	11.9 (10.3-13.6)	28.5 (26.5-30.4)	15.6 (14.0-17.2)
Oregon	8.5 (7.6-9.4)	28.6 (27.2-30.0)	29.0 (27.3-30.6)	29.3 (27.6-31.0)	20.5 (19.0-21.9)	12.8 (11.8-13.7)	4.8 (4.2-5.4)	2.3 (1.8-2.8)	2.6 (2.2-3.1)	8.4 (7.3-9.4)	58.8 (56.9-60.7)	16.9 (15.5-18.4)	9.0 (7.7-10.3)	24.3 (22.6-26.0)	9.3 (8.2-10.5)
Pennsylvania	8.8 (7.9-9.7)	29.3 (27.8-30.8)	29.7 (28.0-31.3)	31.4 (29.6-33.2)	20.0 (18.4-21.6)	11.9 (10.9-12.8)	6.7 (5.8-7.6)	2.4 (1.8-2.9)	3.0 (2.4-3.5)	6.7 (5.8-7.6)	54.0 (52.1-56.0)	19.9 (18.3-21.4)	10.1 (9.4-11.7)	19.5 (18.0-21.0)	6.4 (5.4-7.5)
Rhode Island	7.8 (6.8-8.8)	31.0 (29.1-32.8)	31.0 (29.0-33.1)	30.3 (28.1-32.5)	21.6 (19.7-23.5)	12.8 (11.8-13.8)	5.4 (4.7-6.1)	2.6 (2.0-3.1)	2.9 (2.3-3.4)	7.7 (6.3-9.1)	52.3 (49.9-54.8)	15.3 (13.5-17.2)	10.2 (8.5-12.0)	21.2 (19.0-23.3)	6.0 (4.7-7.4)
South Carolina	10.6 (9.8-11.5)	32.5 (31.1-33.9)	33.0 (31.4-34.5)	31.7 (30.0-33.3)	18.9 (17.5-20.2)	13.5 (12.7-14.4)	6.8 (6.2-7.5)	2.8 (2.3-3.2)	3.0 (2.6-3.5)	7.9 (6.9-8.9)	50.7 (48.8-52.5)	20.2 (18.7-21.7)	10.6 (9.4-11.8)	22.8 (21.2-24.4)	12.4 (11.1-13.7)
South Dakota	9.0 (7.8-10.3)	28.3 (26.4-30.1)	25.7 (23.6-27.8)	30.4 (28.1-32.7)	13.4 (11.7-15.1)	10.7 (9.5-11.9)	6.8 (5.6-7.9)	2.5 (1.6-3.4)	2.2 (1.6-2.9)	6.6 (5.2-8.0)	51.4 (48.8-54.0)	18.7 (16.7-20.8)	7.5 (5.8-9.2)	18.2 (16.0-20.3)	9.9 (8.3-11.6)
Tennessee	11.8 (10.7-12.9)	36.0 (34.2-37.0)	34.7 (32.6-36.7)	31.1 (29.2-33.1)	22.3 (20.5-24.0)	13.4 (12.3-14.6)	7.9 (7.0-8.9)	3.3 (2.6-3.9)	3.9 (3.1-4.6)	5.5 (4.5-6.5)	47.6 (45.4-49.8)	23.1 (21.3-24.9)	12.8 (11.2-14.4)	28.4 (26.4-30.3)	13.6 (12.0-15.1)
Texas	11.6 (10.4-12.9)	31.9 (30.1-33.8)	32.0 (30.0-33.9)	33.3 (31.2-35.4)	15.4 (13.9-17.0)	11.1 99.9-12.3)	5.8 (4.9-6.7)	3.1 (2							

eTable 5. State-Level Health Determinants Across the United States: Black Individuals

State	Diabetes	Hypertension	Hypercholesterolemia	Obesity	Pulmonary Disease	Malignancy	Cardiac Disease	Kidney Disease	Stroke	Alcohol	Physical Inactivity	Smoking	Education Status	Household Income	Lack of Health Insurance
Alabama	16.9 (14.4-19.4)	49.3 (46.5-52.1)	30.5 (27.6-33.4)	44.6 (41.4-47.8)	23.5 (20.7-26.2)	6.6 (5.3-7.9)	6.3 (5.1-7.6)	4.0 (2.9-5.0)	4.5 (3.5-5.5)	4.6 (2.7-6.6)	38.7 (35.3-42.2)	24.1 (7.4-40.8)	16.9 (14.4-19.4)	51.8 (48.2-55.5)	18.4 (15.7-21.0)
Alaska	14.9 (3.6-26.3)	55.7 (40.7-70.6)	35.0 (21.2-48.8)	49.0 (32.4-65.6)	20.7 (7.5-33.8)	9.3 (1.3-17.2)	11.3 (0.7-23.3)	.	.	3.8 (0.9-8.5)	56.4 (38.9-73.9)	21.7 (18.9-24.6)	.	28.6 (11.6-45.6)	12.3 (0.6-25.1)
Arizona	12.8 (9.9-15.6)	35.5 (31.4-39.6)	24.0 (20.3-27.8)	34.7 (29.9-39.6)	23.8 (19.5-28.0)	5.6 (3.6-7.6)	5.6 (3.6-7.7)	4.9 (3.1-6.7)	4.0 (2.0-5.9)	2.9 (1.1-4.8)	43.5 (38.0-49.1)	22.6 (16.2-28.9)	12.5 (8.1-17.0)	33.5 (28.3-38.7)	11.9 (8.5-15.3)
Arkansas	14.8 (11.0-18.6)	51.1 (44.4-57.7)	28.9 (23.8-34.0)	45.9 (38.6-53.3)	21.0 (15.3-26.8)	5.1 (3.0-7.1)	6.5 (3.9-9.1)	5.2 (2.9-7.5)	6.5 (3.5-9.5)	3.4 (1.1-5.7)	47.0 (39.4-54.7)	17.5 (13.7-21.2)	21.2 (15.2-27.3)	55.5 (47.5-62.5)	11.7 (6.9-16.5)
California	13.3 (9.2-17.3)	40.8 (36.0-45.5)	25.2 (20.1-30.3)	32.8 (27.3-38.3)	22.1 (17.8-26.5)	4.9 (2.3-7.6)	3.1 (1.3-4.8)	4.0 (1.5-6.5)	3.0 (1.0-5.0)	5.1 (2.7-7.5)	55.3 (49.2-61.4)	18.1 (13.5-22.7)	10.6 (7.1-14.2)	36.9 (31.1-42.6)	10.4 (7.2-13.6)
Colorado	11.4 (7.0-15.8)	37.6 (31.7-43.5)	28.1 (21.9-34.3)	30.9 (24.4-37.3)	23.2 (17.5-28.8)	7.8 (3.8-11.8)	3.0 (1.2-4.9)	1.8 (0.2-3.5)	2.8 (1.1-4.6)	3.5 (1.2-5.9)	49.6 (42.1-57.1)	20.8 (15.05-26.6)	11.9 (6.7-17.1)	30.2 (23.6-36.8)	5.8 (2.7-8.9)
Connecticut	16.9 (14.1-19.6)	36.8 (33.2-40.4)	28.0 (23.9-32.0)	36.8 (32.4-41.3)	21.3 (17.7-24.9)	6.9 (4.9-9.0)	4.8 (3.1-6.5)	4.7 (2.8-6.5)	2.9 (1.7-4.1)	3.2 (1.8-4.6)	45.5 (40.5-50.5)	14.2 (11.0-17.5)	15.7 (12.1-19.3)	34.5 (29.7-39.4)	12.0 (9.1-15.0)
Delaware	11.9 (9.2-14.7)	39.3 (34.5-44.1)	31.9 (26.0-37.7)	39.5 (33.9-45.1)	21.8 (17.6-26.1)	4.6 (2.9-6.3)	5.2 (3.4-7.1)	2.7 (1.5-3.9)	4.6 (3.0-6.2)	4.7 (2.4-6.9)	41.7 (35.8-47.6)	21.9 (19.7-24.1)	10.5 (7.4-13.6)	33.5 (28.2-38.8)	8.0 (5.1-10.8)
District of Columbia	12.4 (10.9-13.9)	39.5 (37.3-41.6)	29.6 (27.2-31.9)	35.8 (33.2-38.4)	23.5 (21.1-25.9)	5.0 (4.0-6.0)	5.3 (4.2-6.4)	3.6 (2.6-4.6)	5.5 (4.3-6.8)	6.6 (5.2-8.0)	43.1 (40.4-45.8)	17.1 (13.1-21.1)	17.8 (15.0-20.5)	34.3 (31.6-37.0)	6.7 (5.1-8.3)
Florida	12.9 (10.3-15.5)	37.9 (34.2-41.5)	30.0 (25.7-34.4)	37.7 (33.1-42.3)	13.4 (10.9-15.9)	5.8 (3.8-7.0)	5.4 (3.8-7.0)	3.1 (1.8-4.3)	4.4 (2.7-6.1)	5.0 (2.3-7.7)	42.0 (37.2-46.8)	15.9 (12.2-19.5)	19.1 (15.6-22.6)	47.7 (42.7-52.8)	18.9 (15.7-22.0)
Georgia	12.8 (11.1-14.5)	37.4 (34.9-40.0)	26.6 (24.1-29.1)	35.9 (32.9-39.0)	17.1 (14.9-19.4)	5.7 (4.5-6.9)	5.0 (3.9-6.2)	2.9 (2.0-3.7)	4.6 (3.6-5.7)	3.3 (2.1-4.5)	45.2 (41.9-48.6)	16.4 (13.9-18.8)	13.0 (10.7-15.2)	40.9 (37.7-44.2)	17.8 (15.4-20.2)
Hawaii	19.6 (9.7-29.5)	37.0 (38.0-48.0)	28.5 (16.6-40.5)	32.4 (19.8-45.1)	20.8 (10.2-31.4)	.	6.2 (1.1-11.3)	.	.	.	44.1 (30.2-58.0)	11.1 (2.8-19.5)	10.6 (1.0-21.1)	27.4 (15.2-39.6)	6.2 (0.2-12.3)
Idaho	.	52.9 (38.1-67.7)	.	22.5 (4.5-40.5)	.	.	.	.	.	.	.	34.2 (24.7-43.7)	39.3 (23.9-54.8)	63.5 (45.7-81.4)	19.1 (4.1-34.2)
Illinois	14.3 (11.4-17.2)	38.6 (34.3-42.9)	28.5 (24.3-32.8)	38.6 (33.9-43.4)	19.8 (16.3-23.4)	4.9 (3.3-6.5)	6.2 (4.4-8.1)	4.7 (1.9-7.5)	3.9 (2.4-5.3)	6.3 (3.9-8.8)	47.6 (42.5-52.7)	19.4 (3.8-35.0)	15.1 (10.6-19.6)	39.1 (34.2-44.0)	11.9 (8.8-15.0)
Indiana	16.6 (14.1-19.1)	48.7 (44.8-52.6)	30.3 (26.9-33.8)	43.2 (39.0-47.3)	22.3 (18.9-25.6)	6.0 (4.5-7.5)	6.1 (4.5-7.8)	4.3 (2.8-5.8)	4.8 (3.3-6.3)	5.2 (3.2-7.3)	40.5 (36.2-44.9)	19.9 (15.7-24.0)	14.5 (11.3-17.8)	45.4 (41.1-49.7)	13.6 (10.6-16.7)
Iowa	17.0 (9.8-24.1)	41.9 (34.6-49.1)	31.1 (22.5-39.6)	43.2 (33.7-52.7)	21.9 (14.2-29.7)	1.8 (0.2-3.8)	6.3 (1.4-11.2)	.	.	5.7 (1.3-10.0)	43.0 (32.7-53.3)	21.9 (18.4-25.4)	13.5 (6.1-20.8)	47.5 (36.9-58.1)	11.6 (5.8-17.5)
Kansas	15.9 (13.4-18.4)	43.7 (40.0-47.0)	28.7 (25.3-32.1)	37.9 (34.0-41.9)	21.7 (18.4-25.0)	6.8 (4.9-8.7)	8.2 (6.2-10.2)	4.6 (3.1-6.2)	6.6 (4.6-8.6)	6.8 (4.6-9.0)	42.2 (37.8-46.6)	23.7 (20.2-27.3)	16.4 (12.8-20.0)	42.6 (38.3-46.9)	19.3 (16.1-22.5)
Kentucky	12.7 (8.1-17.2)	50.2 (44.5-55.9)	31.0 (24.6-37.3)	35.7 (28.3-43.0)	27.8 (21.0-34.6)	8.7 (5.1-12.3)	7.7 (4.5-10.8)	4.9 (1.9-8.0)	6.6 (3.4-9.9)	3.7 (1.3-6.1)	43.9 (36.1-51.7)	24.3 (18.1-30.6)	16.1 (10.1-22.0)	42.2 (33.3-51.1)	12.6 (7.2-18.0)
Louisiana	17.8 (15.3-20.2)	45.4 (42.4-48.3)	34.8 (31.3-38.3)	42.7 (39.0-46.4)	20.0 (17.2-22.8)	5.6 (4.1-7.1)	7.6 (6.0-9.2)	3.6 (2.4-4.8)	6.6 (5.0-8.2)	5.4 (3.7-7.1)	38.2 (34.3-42.2)	21.0 (17.9-24.1)	24.6 (21.0-28.1)	54.0 (50.0-58.0)	13.4 (10.8-15.9)
Maine	14.0 (2.0-26.0)	29.5 (11.4-47.6)	45.9 (30.8-61.1)	29.5 (15.8-43.2)	24.1 (9.3-39.0)	.	.	19.6 (1.2-37.9)	.	.	29.5 (15.8-43.2)	15.5 (9.3-21.7)	23.0 (4.7-41.2)	19.4 (6.8-32.1)	18.6 (4.4-32.8)
Maryland	13.9 (12.4-15.5)	38.0 (35.8-40.2)	28.1 (25.8-30.4)	42.3 (39.5-45.0)	22.3 (19.8-24.7)	5.5 (4.5-6.5)	5.3 (4.2-6.5)	3.1 (2.4-3.9)	3.5 (2.7-4.3)	3.7 (2.5-5.0)	48.5 (45.5-51.5)	15.2 (13.0-17.4)	9.7 (7.8-11.7)	26.0 (23.4-28.6)	7.9 (6.3-9.5)
Massachusetts	10.4 (6.2-14.7)	35.2 (28.4-42.1)	28.7 (21.9-35.6)	34.0 (26.4-41.6)	19.8 (12.3-27.2)	7.4 (3.1-11.7)	6.6 (2.5-10.7)	3.3 (1.0-5.8)	6.1 (2.2-10.1)	4.6 (1.3-7.9)	43.1 (34.7-51.4)	15.4 (1.6-29.3)	18.3 (11.8-24.9)	23.0 (16.1-30.0)	11.9 (6.7-17.0)
Michigan	14.3 (12.2-16.5)	44.3 (41.1-47.5)	33.2 (29.7-36.6)	40.8 (37.1-44.5)	26.8 (23.7-30.0)	6.7 (5.2-8.2)	9.0 (7.1-10.9)	4.5 (3.1-5.9)	5.3 (3.9-6.7)	4.0 (2.5-5.4)	40.3 (36.5-44.1)	21.7 (18.7-24.7)	18.3 (14.8-21.9)	49.7 (45.8-53.6)	11.9 (9.5-14.4)
Minnesota	12.4 (8.5-16.4)	33.1 (28.2-38.0)	27.4 (22.2-32.6)	32.0 (26.8-37.2)	15.7 (11.5-19.9)	8.0 (4.7-11.4)	7.2 (3.8-10.7)	5.0 (1.7-8.4)	7.1 (3.3-10.8)	3.8 (1.8-5.8)	43.7 (37.8-49.6)	21.9 (17.1-26.8)	19.5 (14.2-24.8)	43.6 (37.9-49.4)	15.7 (11.9-19.6)
Mississippi	16.9 (14.8-19.1)	47.9 (44.6-51.3)	35.0 (31.5-38.4)	45.3 (41.4-49.1)	17.1 (14.2-19.9)	5.5 (4.2-6.7)	6.9 (5.3-8.4)	2.8 (1.5-4.1)	5.6 (4.3-6.8)	3.8 (2.3-5.4)	39.0 (34.8-43.1)	26.2 (21.6-30.9)	21.5 (18.1-24.9)	56.5 (52.5-60.5)	22.0 (18.6-25.5)
Missouri	13.6 (10.7-16.5)	38.7 (34.5-42.9)	26.7 (22.5-30.8)	40.3 (35.1-45.5)	22.7 (18.5-26.8)	7.1 (4.9-9.4)	6.2 (3.8-8.7)	3.5 (2.1-4.9)	5.8 (3.6-8.1)	3.4 (1.6-5.3)	45.4 (39.9-50.9)	19.8 (16.6-23.0)	20.4 (15.9-25.0)	50.5 (44.9-56.1)	23.6 (19.0-28.3)
Montana	.	22.9 (2.3-44.4)	22.3 (2.0-44.4)	.	.	20.5 (1.3-40.8)	.	.	.	.	62.8 (37.0-88.7)	.	.	56.2 (29.7-82.7)	36.2 (9.7-62.8)
Nebraska	16.7 (12.1-21.3)	50.2 (44.3-56.2)	31.0 (24.9-37.1)	46.1 (38.8-53.4)	22.8 (16.8-28.8)	8.2 (4.3-12.1)	10.2 (6.1-14.2)	1.5 (0.3-2.7)	4.8 (2.1-7.5)	3.9 (1.1-6.8)	45.1 (37.6-52.7)	20.5 (16.9-24.0)	14.8 (8.9-20.6)	52.1 (44.7-59.4)	17.1 (11.9-22.2)
Nevada	15.6 (10.4-20.8)	41.6 (35.2-48.0)	31.6 (24.7-38.4)	32.6 (24.6-40.7)	29.9 (22.0-37.7)	2.5 (0.1-5.1)	6.1 (2.5-9.6)	7.5 (2.7-12.3)	4.0 (1.0-7.0)	3.9 (0.7-7.1)	42.8 (33.9-51.7)	10.8 (3.7-18.0)	7.9 (2.6-13.3)	39.1 (30.1-48.1)	6.1 (2.0-10.3)
New Hampshire	.	33.3 (8.9-57.7)	34.1 (17.7-50.6)	39.6 (13.3-66.0)	.	.	.	.	.	.	.	20.9 (15.2-26.6)	.	22.7 (1.0-45.5)	22.2 (2.1-42.2)
New Jersey	14.1 (11.7-16.5)	40.2 (36.5-43.9)	30.2 (26.7-33.6)	34.7 (30.6-38.7)	20.2 (16.8-23.6)	4.4 (3.2-5.6)	5.0 (3.4-6.7)	3.8 (2.1-5.5)	2.8 (1.8-3.9)	3.6 (2.1-5.0)	43.3 (38.8-47.8)	.	13.6 (10.3-16.9)	32.5 (28.5-36.6)	12.0 (9.2-14.7)
New Mexico	10.4 (4.2-16.7)	36.6 (25.6-47.5)	24.4 (14.2-34.6)	25.5 (13.8-37.1)	18.4 (8.6-28.2)	6.4 (1.0-11.9)	10.7 (1.7-19.7)	3.6 (0.5-7.6)	3.2 (0.1-6.5)	6.6 (0.2-13.5)	53.8 (38.6-68.9)	14.4 (11.7-17.1)	6.2 (0.5-11.8)	36.5 (22.7-50.2)	14.3 (4.9-23.7)
New York	13.9 (11.9-16.0)	38.1 (35.3-40.9)	31.0 (28.1-33.9)	34.3 (31.3-37.4)	19.7 (17.1-22.2)	5.3 (3.8-6.9)	6.1 (4.7-7.5)	3.4 (2.3-4.6)	2.9 (2.0-3.9)	4.4 (3.0-5.7)	43.2 (39.7-46.8)	21.1 (9.7-32.6)	16.0 (13.4-18.6)	38.4 (34.9-41.8)	10.9 (8.9-12.8)
North Carolina	17.5 (14.5-20.5)	42.2 (38.7-45.6)	33.6 (29.6-37.7)	41.6 (37.3-45.8)	19.4 (16.1-22.8)	5.5 (3.8-7.1)	4.2 (2.9-5.6)	4.8 (2.8-6.8)	4.9 (3.2-6.6)	5.9 (3.8-8.0)	44.2 (39.7-48.8)	22.8 (15.6-30.1)	15.6 (12.5-18.7)	39.4 (35.0-43.9)	16.9 (13.7-20.1)
North Dakota	.	15.5 (5.4-25.6)	26.5 (15.0-38.0)	39.7 (28.2-51.2)	25.9 (17.6-34.3)	.	.	.	.	.	42.5 (31.3-53.6)	14.6 (12.3-16.9)	9.6 (1.4-20.7)	32.1 (19.9-44.4)	13.6 (6.7-20.4)
Ohio	14.0 (11.7-16.4)	39.1 (35.6-42.5)	25.6 (22.2-29.0)	42.5 (38.3-46.7)	22.7 (19.2-26.2)	5.6 (4.0-7.2)	8.7 (6.6-10.8)	3.0 (1.8-4.1)	5.2 (3.6-6.9)	5.2 (3.2-7.2)	44.1 (39.7-48.5)	25.4 (21.6-29.1)	14.7 (11.2-18.2)	43.0 (38.6-47.4)	10.9 (8.1-13.7)
Oklahoma	14.4 (10.7-18.2)	45.3 (40.1-50.4)	27.2 (22.0-32.4)	36.7 (30.9-42.6)	23.5 (18.3-28.8)	6.8 (3.7-9.8)	6.9 (3.9-9.9)	2.6 (1.1-4.2)	4.0 (1.9-6.2)	2.5 (0.6-4.4)	37.8 (31.5-44.2)	18.9 (14.0-23.8)	11.1 (6.6-15.5)	41.9 (35.3-48.5)	15.1 (10.7-19.6)
Oregon	13.4 (5.9-21.0)	29.0 (18.7-39.3)	30.6 (18.6-42.6)	29.7 (17.5-41.8)	19.6 (10.1-29.2)	11.8 (3.9-19.7)	5.4 (1.0-10.9)	6.2 (1.7-11.7)	2.1 (1.2-5.3)	7.3 (1.0-13.6)	53.5 (40.6-66.4)	26.9 (16.6-37.2)	7.4 (1.0-13.8)	41.3 (28.7-54.0)	10.4 (3.3-17.5)
Pennsylvania	13.9 (10.9-16.9)	39.4 (35.1-43.7)	27.7 (23.5-32.0)	37.4 (32.5-42.3)	19.0 (15.3-22.6)	6.5 (4.3-8.6)	6.7 (4.6-8.9)	2.6 (1.4-3.9)	4.5 (2.6-6.4)	6.2 (3.6-8.8)	51.4 (46.0-56.8)	19.6 (15.8-23.4)	12.5 (9.0-16.0)	42.3 (37.0-47.7)	9.8 (7.0-12.6)
Rhode Island	11.6 (7.5-15.6)	38.3 (31.7-44.9)	27.2 (20.2-34.2)	35.0 (27.5-42.4)	23.8 (17.5-30.2)	5.4 (2.3-8.4)	5.1 (2.2-8.0)	2.1 (0.6-3.6)	3.6 (1.3-5.9)	5.2 (1.2-9.2)	44.1 (35.7-52.6)	18.7 (12.3-25.0)	18.7 (11.2-26.1)	40.3 (31.9-48.8)	9.0 (4.9-13.1)
South Carolina	18.4 (16.7-20.1)	46.0 (43.7-48.4)	33.4 (31.2-35.7)	43.4 (40.6-46.1)	18.8 (16.6-20.9)	6.1 (5.1-7.1)	6.2 (5.2-7.2)	3.3 (2.4-4.1)	5.0 (4.0-6.0)	4.3 (3.2-5.4)	44.3 (41.4-47.2)	18.5 (16.3-20.6)	18.2 (16.1-20.4)	48.8 (45.9-51.7)	15.8 (13.7-17.9)
South Dakota	.	12.5 (1.2-23.9)	.	19.4 (4.1-34.8)	.	.	.	.	.	.	26.4 (11.3-41.5)	50.3 (33.4-67.1)	37.6 (14.2-61.0)	74.7 (56.2-93.2)	23.8 (4.9-42.6)
Tennessee	17.5 (14.1-20.8)	44.3 (39.8-48.7)	28.9 (24.7-33.1)	44.2 (38.7-49.6)	17.3 (13.3-21.2)	5.8 (3.8-7.8)	6.7 (4.3-9.1)	4.4 (2.4-6.3)	5.9 (3.7-8.1)	6.5 (3.5-9.5)	43.3 (37.7-48.9)	23.7 (18.7-28.6)	15.1 (10.6-19.6)	45.4 (39.6-51.1)	19.0 (14.4-23.6)
Texas	15.8 (11.3-20.3)	46.0 (40.8-51.3)	35.7 (29.8-41.5)	39.5 (33.6-45.4)	20.6 (15.6-25.6)	3.0 (1.6-4.4)	6.7 (3.8-9.7)	4.2 (2.0-6.4)	5.7 (3.1-8.4)	5.5 (2.5-8.5)	37.4 (31.3-43.6)	19.5 (14.7-24.2)	11.2 (7.2-15.1)	38.4 (32.3-44.4)	26.2 (20.9-31.4)
Utah	8.8 (1.5-16.2)	44.9 (33.1-56.8)	42.3 (26.5-58.2)	24.9 (14.2-35.7)	18.7 (7.6-29.7)	.	4.1 (0.1-8.3)	7.1 (0.3-14.5)	.	.	42.9 (28.8-57.0)	12.4 (4.4-20.4)	25.6 (13.9-37.4)	44.3 (29.6-59.0)	26.7 (17.0-36.4)
Vermont	20.2 (9.6-30.8)	24.3 (9.4-39.3)	7.2 (1.3-14.0)	42.3 (22.4-62.2)	30.3 (10.5-50.2)	5.3 (0.9-11.4)	.	11.9 (1.2-23.7)	5.3 (2.1-8.5)	.	.	24.9 (9.0-40.9)	13.5 (1.0-26.8)	50.4 (31.8-68.9)	16.9 (3.6-30.2)
Virginia	16.6 (14.5-18.7)	42.9 (40.0-45.8)	32												

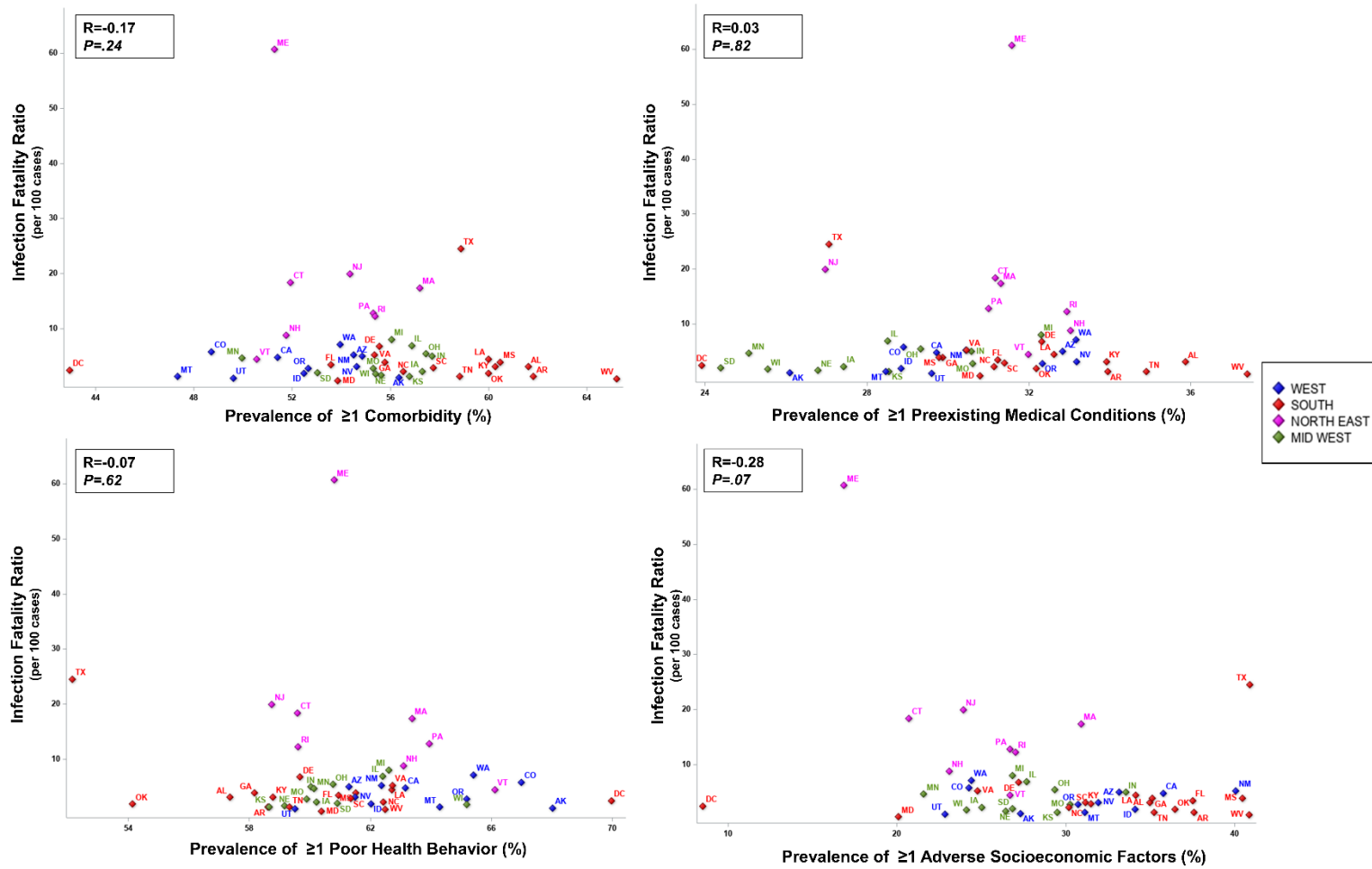


Figure. Relationship of Geographic Distribution of COVID-19 IFR and Prevalence of Health Determinants in White Individuals

eFigure 1. Relationship of Geographic Distribution of COVID-19 Infection-Fatality Ratio and Prevalence of Health Determinants in White Individuals

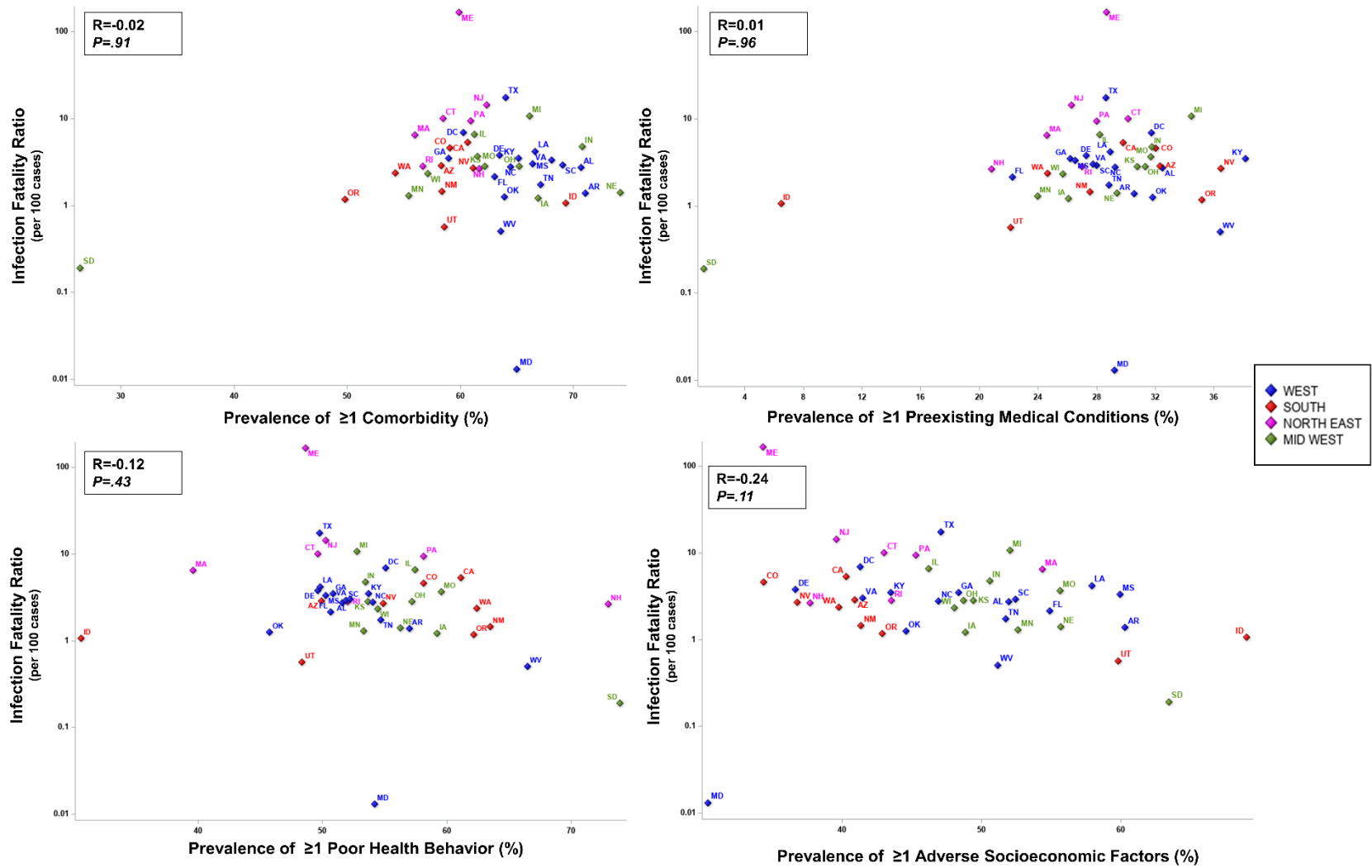


Figure. Relationship of Geographic Distribution of COVID-19 IFR and Prevalence of Health Determinants in Black Individuals

eFigure 2. Relationship of Geographic Distribution of COVID-19 Infection-Fatality Ratio and Prevalence of Health Determinants in Black Individuals

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