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## **Supplemental Material**

### **The Associations between Environmental Quality and Mortality in the Contiguous United States, 2000-2005**

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**Table S1. Mean, Standard deviation (SD), and range of EQI 2000-2005 indices for the contiguous U.S.**

EQI	Mean	SD	Min	Max
Overall EQI	0.03	0.96	-4.22	2.85
Air	0.02	0.98	-3.24	2.79
Water	0.00	1.00	-1.64	1.48
Land	0.05	0.86	-5.14	2.09
Built	0.01	0.98	-6.06	3.88
Sociodemographic	0.01	0.99	-4.81	3.98

**Table S2. States in the condensed climate regions in the contiguous U.S.**

Climate regions	States
Dry	New Mexico, Arizona, Nevada
Dry continental	Montana, Idaho, Wyoming, Utah, Colorado
Hot summer continental	South Dakota, Nebraska, Iowa, Illinois, Indiana, Ohio
Humid subtropical	Florida, Louisiana, Texas, Georgia, Alabama, Mississippi, Arkansas, Oklahoma, Kansas, Missouri, Tennessee, South Carolina, North Carolina, Virginia, West Virginia, Kentucky
Mediterranean	California, Oregon, Washington
Warm summer continental	North Dakota, Minnesota, Wisconsin, Michigan, Pennsylvania, New York, Connecticut, Rhode Island, Massachusetts, Vermont, New Hampshire, Maine

**Table S3. Number of counties in each RUCC-climate region combination in the contiguous U.S. 2000-2005**

Number of counties	Dry	Dry continental	Hot summer continental	Humid subtropical	Mediterranean	Warm summer continental
RUCC 1	17	44	158	623	65	178
RUCC 2	13	15	61	144	21	65
RUCC 3	26	84	191	571	32	145
RUCC 4	9	72	130	327	15	103

**Table S4. Percent difference (and 95%CI) in all-cause mortality rate 2000-2005 per 1 standard deviations increase in EQI domain indices estimated from the models clustered by RUCC and climate regions separately**

<b>RUCC</b>	<b>Air</b>	<b>Water</b>	<b>Land</b>	<b>Built</b>	<b>Sociodemographic</b>
RUCC1	3.89 (3.45,4.33)	-0.44 (-0.80,-0.08)	-1.03 (-1.62,-0.44)	0.69 (0.35,1.03)	0.03 (-0.43,0.49)
RUCC2	3.37 (2.47,4.28)	-0.57 (-1.07,-0.07)	0.26 (-0.72,1.25)	1.38 (0.85,1.91)	-1.45 (-2.41,-0.49)
RUCC3	2.09 (1.56,2.63)	-0.41 (-0.76,-0.05)	-1.67 (-2.32,-1.02)	1.18 (0.84,1.51)	-1.08 (-1.63,-0.52)
RUCC4	3.26 (2.74,3.78)	0.16 (-0.23,0.54)	-1.58 (-2.37,-0.79)	1.11 (0.75,1.46)	0.32 (-0.28,0.93)
<b>Climate</b>	<b>Air</b>	<b>Water</b>	<b>Land</b>	<b>Built</b>	<b>Sociodemographic</b>
Dry	-1.70 (-3.49,0.08)	-1.10 (-2.30,0.10)	13.11 (9.56,16.66)	3.01 (1.45,4.57)	1.51 (0.72,2.30)
Dry continental	4.60 (3.53,5.67)	0.13 (-0.90,1.16)	2.74 (-0.27,5.75)	-0.99 (-2.10,0.13)	-0.92 (-1.37,-0.47)
Hot summer continental	4.26 (3.42,5.10)	1.03 (0.28,1.78)	-1.50 (-3.33,0.34)	0.74 (0.15,1.33)	-1.36 (-1.71,-1.01)
Humid subtropical	2.56 (1.98,3.14)	-0.58 (-0.97,-0.19)	-0.94 (-1.37,-0.51)	1.41 (1.03,1.78)	-0.31 (-0.57,-0.04)
Mediterranean	2.79 (0.98,4.61)	0.57 (-0.34,1.48)	0.73 (-4.79,6.25)	2.19 (0.93,3.46)	-0.87 (-1.72,-0.03)
Warm summer continental	4.73 (3.81,5.66)	0.11 (-0.54,0.76)	-2.71 (-3.93,-1.50)	2.02 (1.12,2.92)	-1.66 (-2.06,-1.26)

RUCC1 : Metropolitan urbanized, RUCC2: Non-metropolitan urbanized, RUCC3: Less urbanized, RUCC 4: Thinly populate

**Table S5. Percent difference (and 95%CI) in heart disease mortality rates 2000-2005 per 1 standard deviations increase in EQI domain indices estimated from the models clustered by RUCC and climate regions separately.**

<b>RUCC</b>	<b>Air</b>	<b>Water</b>	<b>Land</b>	<b>Built</b>	<b>Sociodemographic</b>
RUCC1	4.91 (4.13,5.69)	-1.39 (-1.78,-1.00)	-1.16 (-2.06,-0.27)	-1.03 (-1.20,-0.86)	-1.86 (-2.54,-1.19)
RUCC2	7.55 (6.06,9.03)	-2.66 (-3.34,-1.98)	0.80 (-0.86,2.47)	-0.55 (-0.82,-0.27)	-3.90 (-5.03,-2.77)
RUCC3	5.33 (4.41,6.25)	-2.28 (-2.76,-1.80)	-2.75 (-3.57,-1.94)	-0.55 (-0.75,-0.36)	-3.67 (-4.47,-2.86)
RUCC4	3.47 (2.57,4.36)	-0.91 (-1.46,-0.37)	-2.84 (-3.63,-2.06)	-1.17 (-1.41,-0.93)	-1.23 (-2.19,-0.26)
<b>Climate</b>	<b>Air</b>	<b>Water</b>	<b>Land</b>	<b>Built</b>	<b>Sociodemographic</b>
Dry	-6.45 (-9.72,-3.18)	1.06 (-1.16,3.28)	10.79 (8.35,13.23)	0.35 (-1.26,1.95)	4.35 (2.31,6.39)
Dry continental	3.93 (1.95,5.92)	0.50 (-1.32,2.31)	2.90 (0.49,5.31)	-2.40 (-3.44,-1.37)	-2.42 (-4.05,-0.80)
Hot summer continental	4.13 (2.67,5.59)	-0.42 (-1.69,0.85)	-0.36 (-1.80,1.09)	-1.08 (-2.03,-0.14)	-2.93 (-4.04,-1.83)
Humid subtropical	2.67 (1.80,3.54)	-1.43 (-2.08,-0.77)	-0.97 (-1.39,-0.54)	0.52 (-0.11,1.14)	-3.22 (-3.77,-2.68)
Mediterranean	3.51 (0.52,6.51)	1.66 (0.17,3.14)	2.67 (0.03,5.31)	-2.11 (-3.52,-0.70)	-2.72 (-4.90,-0.54)
Warm summer continental	8.24 (6.77,9.70)	-2.52 (-3.58,-1.46)	-3.35 (-4.55,-2.15)	-1.85 (-2.80,-0.90)	-5.71 (-6.79,-4.63)

**Table S6. Percent difference (95%CI) in cancer mortality rates 2000-20005 per 1 standard deviations increase in EQI domain indices estimated from the models clustered by RUCC and climate regions separately.**

<b>RUCC</b>	<b>Air</b>	<b>Water</b>	<b>Land</b>	<b>Built</b>	<b>Sociodemographic</b>
RUCC1	3.30 (3.10,3.50)	-0.74 (-1.22,-0.26)	-0.78 (-1.21,-0.35)	0.04 (-0.29,0.37)	0.90 (0.45,1.35)
RUCC2	3.24 (2.96,3.52)	-0.71 (-1.38,-0.03)	0.16 (-0.60,0.91)	1.28 (0.44,2.13)	-0.43 (-1.38,0.52)
RUCC3	3.30 (3.15,3.46)	-0.77 (-1.13,-0.40)	-0.73 (-1.22,-0.24)	0.37 (-0.15,0.88)	0.51 (-0.11,1.12)
RUCC4	2.85 (2.66,3.05)	0.32 (-0.14,0.78)	-0.57 (-1.08,-0.07)	0.30 (-0.19,0.79)	0.09 (-0.55,0.73)
<b>Climate</b>	<b>Air</b>	<b>Water</b>	<b>Land</b>	<b>Built</b>	<b>Sociodemographic</b>
Dry	0.56 (-0.03,1.15)	-1.73 (-3.02,-0.45)	11.07 (7.94,14.20)	0.00 (-2.01,2.02)	2.85 (1.88,3.81)
Dry continental	2.79 (2.18,3.41)	0.49 (-0.54,1.51)	3.59 (0.91,6.26)	-1.97 (-3.22,-0.71)	-0.26 (-1.17,0.64)
Hot summer continental	2.81 (2.40,3.21)	0.27 (-0.37,0.91)	-0.57 (-2.33,1.19)	0.36 (-0.69,1.41)	0.02 (-0.60,0.65)
Humid subtropical	2.76 (2.61,2.91)	-0.67 (-1.04,-0.30)	-0.12 (-0.57,0.33)	-0.12 (-0.59,0.34)	0.25 (-0.02,0.51)
Mediterranean	2.61 (1.79,3.43)	-0.59 (-1.67,0.49)	-2.48 (-6.90,1.94)	1.81 (-0.05,3.67)	0.60 (-0.53,1.72)
Warm summer continental	2.56 (2.16,2.96)	0.48 (-0.10,1.07)	-1.61 (-2.71,-0.50)	1.88 (0.72,3.04)	0.40 (-0.22,1.02)

**Table S7. Percent difference (95%CI) in stroke mortality rates 2000-2005 per 1 standard deviations increase in EQI domain indices estimated from the models clustered by RUCC and climate regions separately.**

<b>RUCC</b>	<b>Air</b>	<b>Water</b>	<b>Land</b>	<b>Built</b>	<b>Sociodemographic</b>
RUCC1	0.36 (-0.81,1.54)	0.64 (0.49,0.79)	0.45 (-0.03,0.93)	0.43 (-0.10,0.96)	1.83 (0.52,3.14)
RUCC2	-0.03 (-2.27,2.21)	0.70 (0.41,0.99)	-0.68 (-1.79,0.43)	0.91 (-0.26,2.07)	4.40 (1.80,7.00)
RUCC3	2.27 (0.56,3.98)	0.41 (0.20,0.63)	-1.87 (-2.60,-1.14)	2.54 (1.63,3.45)	5.37 (3.76,6.98)
RUCC4	-4.49 (-6.22,-2.77)	1.28 (1.06,1.50)	-1.39 (-2.36,-0.42)	-0.55 (-1.46,0.36)	8.73 (6.47,10.99)
<b>Climate</b>	<b>Air</b>	<b>Water</b>	<b>Land</b>	<b>Built</b>	<b>Sociodemographic</b>
Dry	-0.12 (-4.55,4.32)	-18.58 (-23.06,-14.09)	6.82 (1.00,12.63)	1.32 (-1.45,4.08)	11.25 (8.79,13.70)
Dry continental	1.74 (-1.25,4.74)	-3.31 (-7.52,0.90)	4.48 (0.79,8.18)	-0.55 (-2.72,1.61)	3.00 (0.28,5.72)
Hot summer continental	0.51 (-1.17,2.19)	0.06 (-2.08,2.20)	1.95 (-0.06,3.96)	-1.53 (-3.40,0.34)	1.48 (-0.23,3.18)
Humid subtropical	-1.71 (-2.59,-0.83)	1.73 (0.77,2.70)	-0.87 (-1.92,0.18)	1.72 (0.85,2.60)	3.55 (2.80,4.31)
Mediterranean	2.97 (0.58,5.36)	-1.89 (-4.86,1.09)	5.73 (2.75,8.72)	1.51 (-0.93,3.96)	3.14 (0.95,5.33)
Warm summer continental	-4.80 (-6.72,-2.88)	0.19 (-1.67,2.06)	-4.29 (-6.39,-2.19)	-0.12 (-1.67,1.42)	4.30 (2.56,6.05)

**Table S8. Percent difference (and 95%CI) in all-cause and cause-specific mortality rates  
 2000-2005 per 1 standard deviations increase in the overall EQI estimated from the model  
 clustered by RUCC-climate combination.**

<b>Climates</b>	<b>RUCC</b>	<b>All-cause</b>	<b>Heart disease</b>	<b>Cancer</b>	<b>Stroke</b>
Dry	RUCC1	9.12 (4.52,13.72)	7.18 (1.48,12.87)	7.80 (3.19,12.40)	11.41 (4.12,18.70)
	RUCC2	6.07 (1.91,10.23)	5.38 (0.15,10.60)	6.25 (1.97,10.52)	14.05 (7.60,20.50)
	RUCC3	4.23 (1.23,7.22)	3.24 (-0.88,7.37)	5.04 (1.71,8.37)	12.17 (7.03,17.31)
	RUCC4	5.66 (2.98,8.33)	-0.70 (-4.95,3.56)	6.72 (3.18,10.26)	1.45 (-7.05,9.95)
Dry continental	RUCC1	5.14 (1.44,8.84)	1.99 (-3.11,7.09)	6.32 (2.42,10.22)	3.25 (-3.72,10.22)
	RUCC2	1.14 (-4.59,6.86)	0.00 (-6.94,6.95)	2.27 (-3.25,7.78)	2.83 (-5.70,11.35)
	RUCC3	-1.81 (-4.52,0.91)	0.57 (-3.26,4.40)	0.42 (-2.56,3.41)	3.95 (-1.19,9.09)
	RUCC4	3.85 (1.84,5.85)	0.78 (-2.46,4.01)	2.22 (-0.35,4.80)	3.43 (-2.32,9.19)
Hot summer continental	RUCC1	2.43 (-0.10,4.95)	-0.30 (-4.10,3.50)	1.24 (-1.55,4.03)	2.05 (-3.06,7.16)
	RUCC2	-1.44 (-6.56,3.69)	-2.73 (-9.16,3.70)	-0.64 (-5.74,4.46)	3.15 (-4.77,11.06)
	RUCC3	-0.09 (-2.45,2.26)	-0.84 (-4.28,2.59)	1.78 (-0.81,4.38)	1.61 (-2.87,6.08)
	RUCC4	5.62 (4.04,7.19)	1.84 (-0.95,4.63)	5.16 (2.98,7.34)	-0.97 (-5.59,3.66)
Humid subtropical	RUCC1	1.96 (1.11,2.80)	0.01 (-1.33,1.34)	1.64 (0.68,2.59)	0.67 (-1.23,2.57)
	RUCC2	0.68 (-1.52,2.88)	-2.32 (-5.54,0.90)	2.21 (-0.25,4.66)	5.87 (1.76,9.98)
	RUCC3	0.53 (-0.59,1.64)	-2.50 (-4.24,-0.75)	1.86 (0.58,3.14)	5.21 (2.85,7.58)
	RUCC4	0.91 (-0.29,2.11)	-4.04 (-6.02,-2.07)	-0.88 (-2.39,0.64)	3.03 (0.24,5.81)
Mediterranean	RUCC1	1.30 (-1.67,4.26)	-1.83 (-6.28,2.62)	3.35 (0.08,6.61)	4.44 (-1.48,10.37)
	RUCC2	1.23 (-4.05,6.50)	-1.14 (-7.40,5.13)	0.63 (-4.49,5.75)	-0.05 (-7.72,7.62)
	RUCC3	3.59 (-0.41,7.59)	1.37 (-3.70,6.44)	2.70 (-1.46,6.85)	3.66 (-2.57,9.90)
	RUCC4	3.27 (-0.53,7.06)	4.78 (-0.09,9.65)	1.74 (-2.28,5.76)	2.36 (-4.28,8.99)
Warm summer continental	RUCC1	0.94 (-1.45,3.33)	-3.01 (-6.69,0.67)	3.99 (1.32,6.67)	-0.13 (-5.18,4.92)
	RUCC2	-0.65 (-4.53,3.24)	-7.14 (-12.38,-1.89)	2.65 (-1.40,6.70)	3.48 (-3.20,10.16)
	RUCC3	-1.62 (-4.44,1.20)	-6.03 (-10.01,-2.06)	-1.49 (-4.55,1.57)	1.88 (-3.21,6.98)
	RUCC4	6.05 (4.20,7.90)	0.63 (-2.27,3.53)	5.37 (3.17,7.57)	0.63 (-3.92,5.18)



**Table S9. Percent difference (and 95%CI) in all-cause and cause-specific mortality rates 2000-2005 per 1 standard deviations increase in EQI domain indices estimated from the model clustered by RUCC-climate combination.**

<b>Air</b>		<b>All-cause</b>	<b>Heart</b>	<b>Cancer</b>	<b>Stroke</b>
Dry	RUCC1	1.74 (-0.37,3.85)	-5.64 (-12.35,1.07)	0.71 (-1.39,2.80)	-3.31 (-9.85,3.22)
	RUCC2	3.15 (0.82,5.48)	-2.82 (-9.38,3.73)	1.78 (-0.53,4.10)	-2.76 (-10.14,4.62)
	RUCC3	3.39 (1.34,5.44)	-5.97 (-11.26,-0.68)	0.00 (-2.26,2.26)	-0.98 (-7.03,5.07)
	RUCC4	4.18 (2.11,6.25)	-8.24 (-16.69,0.21)	2.09 (-0.48,4.66)	-1.52 (-9.10,6.05)
Dry continental	RUCC1	3.38 (1.42,5.34)	1.62 (-3.43,6.67)	1.58 (-0.41,3.57)	1.80 (-3.25,6.86)
	RUCC2	4.85 (2.59,7.10)	6.17 (-0.51,12.85)	2.80 (0.45,5.14)	1.70 (-4.98,8.38)
	RUCC3	3.84 (2.34,5.34)	6.51 (3.10,9.92)	2.88 (0.96,4.80)	4.14 (-0.92,9.20)
	RUCC4	4.85 (3.57,6.12)	4.03 (0.38,7.67)	1.75 (-0.27,3.76)	-3.38 (-8.86,2.09)
Hot summer continental	RUCC1	3.78 (2.36,5.20)	4.71 (1.40,8.03)	2.41 (1.15,3.67)	1.76 (-1.53,5.06)
	RUCC2	3.73 (1.83,5.62)	6.23 (0.95,11.51)	2.55 (0.98,4.13)	0.99 (-3.47,5.45)
	RUCC3	2.73 (1.30,4.15)	5.67 (2.89,8.46)	2.22 (0.82,3.61)	1.90 (-2.03,5.83)
	RUCC4	4.69 (3.65,5.74)	1.88 (-1.11,4.87)	3.46 (1.77,5.16)	-4.17 (-8.11,-0.24)
Humid subtropical	RUCC1	3.98 (3.17,4.79)	3.03 (1.22,4.85)	3.90 (3.27,4.52)	-0.47 (-2.02,1.09)
	RUCC2	2.87 (1.25,4.48)	4.39 (0.92,7.86)	3.09 (1.67,4.51)	0.06 (-3.14,3.25)
	RUCC3	1.72 (0.68,2.77)	2.57 (0.84,4.31)	3.82 (2.87,4.77)	-0.27 (-2.66,2.12)
	RUCC4	2.23 (1.30,3.16)	2.22 (0.54,3.89)	1.03 (-0.16,2.23)	-6.76 (-10.04,-3.48)
Mediterranean	RUCC1	3.11 (1.42,4.81)	2.73 (-1.48,6.94)	2.74 (1.16,4.32)	3.81 (0.27,7.36)
	RUCC2	3.67 (1.53,5.81)	-2.15 (-9.69,5.40)	3.34 (1.20,5.47)	6.08 (0.45,11.71)
	RUCC3	3.67 (1.76,5.58)	-1.43 (-7.50,4.65)	2.37 (0.09,4.66)	1.10 (-5.03,7.23)
	RUCC4	4.06 (2.03,6.08)	8.52 (-1.12,18.16)	2.76 (0.19,5.33)	-0.63 (-8.39,7.13)
Warm summer continental	RUCC1	3.37 (1.96,4.79)	7.96 (4.86,11.05)	2.30 (1.33,3.26)	-4.63 (-7.10,-2.17)
	RUCC2	3.98 (1.94,6.02)	13.44 (8.19,18.69)	1.81 (0.37,3.24)	-3.69 (-8.04,0.66)
	RUCC3	3.99 (2.23,5.74)	13.12 (9.27,16.98)	2.36 (0.84,3.87)	-0.03 (-4.59,4.54)
	RUCC4	4.60 (3.45,5.76)	5.45 (2.12,8.78)	4.08 (2.42,5.74)	-1.12 (-6.00,3.76)
<b>Water</b>		<b>All-cause</b>	<b>Heart</b>	<b>Cancer</b>	<b>Stroke</b>
Dry	RUCC1	-3.09 (-4.76,-1.41)	1.56 (-0.29,3.42)	-1.39 (-2.46,-0.32)	-6.38 (-10.73,-2.03)
	RUCC2	-1.46 (-3.30,0.37)	1.21 (-0.38,2.80)	-0.83 (-1.92,0.25)	-5.77 (-9.87,-1.67)
	RUCC3	-0.44 (-2.08,1.21)	1.68 (0.25,3.10)	-1.12 (-2.15,-0.08)	-7.53 (-10.95,-4.11)
	RUCC4	0.00 (-1.98,1.98)	2.44 (0.09,4.78)	-0.92 (-2.10,0.26)	0.74 (-5.01,6.49)
Dry continental	RUCC1	-0.78 (-2.51,0.96)	0.29 (-1.52,2.10)	-1.14 (-2.10,-0.17)	-1.67 (-6.04,2.69)
	RUCC2	1.76 (-0.29,3.81)	-0.75 (-2.95,1.46)	-0.73 (-1.81,0.35)	-0.05 (-5.61,5.51)
	RUCC3	0.57 (-0.91,2.05)	0.18 (-1.24,1.60)	-1.09 (-1.85,-0.32)	-1.77 (-4.38,0.84)
	RUCC4	0.33 (-1.08,1.73)	-0.35 (-2.01,1.31)	-0.11 (-1.08,0.86)	-2.00 (-6.33,2.34)
Hot summer	RUCC1	0.08 (-1.17,1.33)	-0.75 (-2.02,0.52)	0.13 (-0.86,1.12)	-0.32 (-3.76,3.12)

continental	RUCC2	0.36 (-1.36,2.09)	-1.15 (-2.63,0.33)	-0.45 (-1.47,0.58)	-1.39 (-5.73,2.95)	
	RUCC3	0.69 (-0.40,1.78)	-1.02 (-2.15,0.11)	-0.25 (-1.06,0.55)	0.29 (-2.17,2.75)	
	RUCC4	1.03 (-0.18,2.24)	0.22 (-0.94,1.39)	-0.05 (-0.96,0.85)	2.21 (-1.09,5.51)	
Humid subtropical	RUCC1	-0.60 (-1.17,-0.03)	-0.77 (-1.25,-0.29)	-0.70 (-1.33,-0.07)	0.95 (-0.54,2.45)	
	RUCC2	-0.22 (-1.23,0.79)	-1.40 (-2.26,-0.54)	-0.26 (-1.17,0.66)	1.34 (-1.06,3.73)	
	RUCC3	-0.61 (-1.23,0.01)	-2.12 (-2.69,-1.55)	-0.50 (-1.12,0.11)	1.80 (0.33,3.28)	
	RUCC4	-0.95 (-1.68,-0.23)	-1.96 (-2.66,-1.25)	-0.46 (-1.21,0.29)	1.89 (-0.03,3.81)	
	Mediterranean	RUCC1	-0.09 (-1.20,1.02)	0.37 (-1.05,1.80)	-0.41 (-1.37,0.55)	-1.57 (-4.84,1.70)
		RUCC2	0.66 (-1.04,2.36)	0.44 (-1.31,2.19)	0.12 (-0.95,1.19)	0.18 (-4.53,4.89)
RUCC3		0.03 (-1.60,1.67)	0.71 (-1.02,2.44)	-0.32 (-1.33,0.69)	-2.77 (-7.18,1.65)	
	RUCC4	0.83 (-1.08,2.73)	0.28 (-2.03,2.58)	-0.01 (-1.18,1.17)	0.65 (-4.67,5.98)	
	Warm summer continental	RUCC1	-0.10 (-1.18,0.98)	-1.29 (-2.35,-0.23)	0.06 (-0.77,0.88)	1.39 (-0.88,3.66)
		RUCC2	0.50 (-1.16,2.17)	-2.12 (-3.43,-0.82)	-0.19 (-1.17,0.79)	2.78 (-0.49,6.05)
RUCC3		-0.40 (-1.63,0.84)	-2.37 (-3.44,-1.30)	-0.65 (-1.45,0.15)	0.11 (-2.16,2.38)	
	RUCC4	-0.10 (-1.40,1.20)	-1.17 (-2.24,-0.10)	-0.10 (-0.97,0.77)	-0.63 (-3.32,2.05)	
	<b>Land</b>		<b>All-cause</b>	<b>Heart</b>	<b>Cancer</b>	
	Dry	RUCC1	-6.16 (-10.20,-2.11)	8.92 (3.47,14.36)	7.73 (3.65,11.82)	11.35 (4.00,18.69)
RUCC2		-0.63 (-5.60,4.34)	4.89 (-0.29,10.07)	4.29 (0.70,7.89)	10.57 (3.86,17.28)	
RUCC3		5.86 (2.39,9.33)	7.20 (2.26,12.14)	10.48 (7.11,13.86)	13.00 (7.32,18.68)	
	RUCC4	4.17 (0.17,8.17)	8.80 (1.49,16.11)	4.94 (-0.60,10.47)	-1.13 (-11.43,9.17)	
	Dry continental	RUCC1	-0.94 (-4.11,2.23)	3.03 (-2.52,8.57)	3.89 (-0.40,8.19)	2.27 (-5.55,10.09)
		RUCC2	2.36 (-2.22,6.95)	0.18 (-6.23,6.58)	-0.97 (-6.58,4.65)	-0.12 (-9.97,9.74)
RUCC3		1.62 (-1.41,4.65)	-0.81 (-5.04,3.42)	1.84 (-1.37,5.05)	0.50 (-4.85,5.84)	
	RUCC4	4.00 (1.30,6.69)	1.50 (-3.21,6.22)	2.79 (-1.73,7.32)	4.84 (-2.98,12.66)	
	Hot summer continental	RUCC1	0.67 (-1.18,2.52)	-0.60 (-4.38,3.17)	0.37 (-2.23,2.98)	-1.45 (-6.98,4.08)
		RUCC2	-1.18 (-4.33,1.97)	-0.67 (-5.29,3.95)	-2.54 (-5.87,0.79)	2.90 (-4.78,10.59)
RUCC3		-1.35 (-2.83,0.13)	-0.92 (-4.30,2.45)	-0.86 (-3.09,1.38)	-1.18 (-5.41,3.05)	
	RUCC4	0.07 (-1.46,1.59)	0.76 (-2.61,4.13)	1.69 (-1.28,4.66)	-5.55 (-10.83,-0.26)	
	Humid subtropical	RUCC1	-0.65 (-1.28,-0.02)	-0.85 (-1.82,0.12)	0.09 (-0.48,0.66)	0.20 (-1.20,1.60)
		RUCC2	-0.03 (-1.25,1.18)	2.05 (0.03,4.08)	0.15 (-0.79,1.09)	1.44 (-1.41,4.28)
RUCC3		-1.68 (-2.37,-0.99)	-1.20 (-2.28,-0.12)	-0.77 (-1.36,-0.18)	-1.78 (-3.31,-0.25)	
	RUCC4	-1.06 (-2.01,-0.11)	-2.58 (-3.78,-1.38)	0.03 (-0.91,0.96)	-1.74 (-3.83,0.35)	
	Mediterranean	RUCC1	-2.20 (-5.16,0.76)	4.96 (0.10,9.82)	1.12 (-2.75,4.99)	2.97 (-3.36,9.31)
		RUCC2	0.20 (-4.53,4.93)	4.43 (-1.60,10.47)	-3.24 (-8.08,1.59)	0.40 (-8.53,9.33)
RUCC3		-1.09 (-4.61,2.43)	4.38 (-1.29,10.04)	0.41 (-4.54,5.36)	4.54 (-3.89,12.97)	
	RUCC4	-0.98 (-5.18,3.23)	1.28 (-5.81,8.36)	-2.04 (-8.15,4.08)	-0.83 (-10.44,8.78)	
	Warm summer continental	RUCC1	-0.66 (-2.90,1.57)	-2.38 (-5.53,0.77)	0.21 (-1.84,2.26)	-2.68 (-7.01,1.65)
		RUCC2	-0.51 (-3.81,2.79)	-4.45 (-8.34,-0.55)	1.28 (-1.59,4.15)	-4.83 (-10.97,1.31)
RUCC3		-2.95 (-4.79,-1.11)	-5.33 (-7.94,-2.71)	-1.30 (-2.90,0.31)	-1.29 (-4.81,2.23)	
	RUCC4	-3.77 (-5.71,-1.84)	-0.71 (-3.23,1.81)	-2.11 (-3.98,-0.24)	-1.58 (-5.78,2.63)	
	<b>Built</b>		<b>All-cause</b>	<b>Heart</b>	<b>Cancer</b>	
					<b>Stroke</b>	

Dry	RUCC1	5.11 (2.46,7.76)	1.05 (-2.80,4.90)	2.61 (-0.79,6.00)	5.05 (0.16,9.93)
	RUCC2	1.69 (-1.72,5.10)	-0.83 (-4.86,3.20)	1.21 (-2.97,5.39)	5.19 (0.20,10.19)
	RUCC3	-2.30 (-4.63,0.02)	-0.06 (-3.02,2.90)	-3.16 (-6.14,-0.18)	5.45 (1.56,9.35)
	RUCC4	-0.97 (-3.57,1.63)	0.01 (-3.45,3.47)	2.42 (-1.23,6.07)	0.16 (-5.66,5.99)
Dry continental	RUCC1	1.30 (-1.13,3.73)	-1.84 (-5.18,1.51)	2.39 (-0.64,5.42)	0.86 (-3.50,5.23)
	RUCC2	-1.47 (-4.56,1.62)	-1.60 (-4.88,1.67)	-0.78 (-4.26,2.69)	1.05 (-4.52,6.63)
	RUCC3	-1.54 (-3.50,0.42)	-4.46 (-6.58,-2.35)	-3.00 (-5.38,-0.62)	1.27 (-2.39,4.93)
	RUCC4	-1.46 (-3.13,0.21)	-1.20 (-3.49,1.08)	-0.84 (-3.02,1.34)	3.20 (-1.12,7.52)
Hot summer continental	RUCC1	-0.14 (-1.78,1.51)	-0.97 (-3.66,1.72)	-0.68 (-2.83,1.48)	-0.35 (-3.18,2.47)
	RUCC2	0.96 (-1.60,3.52)	-0.82 (-4.25,2.61)	1.19 (-2.46,4.83)	2.92 (-1.57,7.41)
	RUCC3	0.96 (-0.35,2.26)	-0.98 (-3.14,1.17)	1.54 (-0.34,3.42)	0.63 (-2.29,3.54)
	RUCC4	1.14 (0.06,2.22)	-1.60 (-3.49,0.30)	0.19 (-1.29,1.67)	-4.05 (-6.95,-1.14)
Humid subtropical	RUCC1	0.60 (-0.08,1.28)	-0.64 (-1.97,0.68)	-0.85 (-1.70,0.00)	0.13 (-1.06,1.32)
	RUCC2	0.60 (-0.70,1.91)	2.01 (-0.49,4.52)	0.88 (-1.73,3.49)	3.03 (-0.09,6.14)
	RUCC3	2.21 (1.47,2.95)	1.83 (0.63,3.03)	0.97 (-0.13,2.06)	3.50 (1.81,5.19)
	RUCC4	1.44 (0.71,2.16)	-0.54 (-1.83,0.75)	-0.11 (-1.08,0.87)	0.00 (-1.71,1.72)
Mediterranean	RUCC1	1.80 (-0.33,3.93)	-0.31 (-3.44,2.83)	1.50 (-1.66,4.66)	3.88 (0.97,6.80)
	RUCC2	0.19 (-2.97,3.35)	0.15 (-3.70,4.01)	1.16 (-2.81,5.12)	3.61 (-1.70,8.93)
	RUCC3	1.25 (-1.08,3.57)	-0.93 (-3.62,1.76)	1.94 (-1.25,5.13)	3.25 (-1.71,8.20)
	RUCC4	0.76 (-2.08,3.60)	-4.30 (-7.58,-1.01)	1.01 (-2.54,4.55)	0.59 (-4.87,6.06)
Warm summer continental	RUCC1	1.00 (-0.69,2.69)	-2.15 (-4.67,0.37)	2.32 (-0.05,4.70)	-2.44 (-4.89,0.02)
	RUCC2	0.25 (-2.09,2.60)	-3.18 (-6.41,0.06)	0.94 (-2.27,4.16)	-2.76 (-6.74,1.23)
	RUCC3	1.46 (0.08,2.85)	-3.16 (-5.44,-0.88)	-0.02 (-2.56,2.52)	0.73 (-2.47,3.93)
	RUCC4	3.44 (2.05,4.84)	-0.54 (-2.41,1.32)	3.46 (1.65,5.27)	-0.28 (-3.60,3.04)
<b>Sociodemographic</b>		<b>All-cause</b>	<b>Heart</b>	<b>Cancer</b>	<b>Stroke</b>
Dry	RUCC1	1.86 (-1.70,5.42)	2.54 (-2.13,7.22)	4.58 (1.66,7.51)	11.70 (6.46,16.93)
	RUCC2	2.77 (0.12,5.42)	2.78 (-1.24,6.79)	2.53 (0.34,4.71)	11.09 (6.42,15.76)
	RUCC3	3.84 (1.75,5.92)	4.24 (0.90,7.58)	4.24 (2.46,6.02)	10.11 (5.91,14.31)
	RUCC4	3.95 (0.36,7.55)	6.43 (0.17,12.70)	3.76 (0.97,6.55)	3.40 (-4.90,11.69)
Dry continental	RUCC1	0.43 (-1.73,2.59)	-0.96 (-4.25,2.33)	2.25 (-0.46,4.96)	1.52 (-3.90,6.94)
	RUCC2	-2.61 (-6.28,1.07)	-4.34 (-9.52,0.84)	-1.63 (-5.41,2.14)	1.43 (-5.35,8.21)
	RUCC3	-3.17 (-5.46,-0.88)	-1.51 (-4.74,1.72)	-0.22 (-2.15,1.71)	0.66 (-4.18,5.50)
	RUCC4	2.71 (0.05,5.37)	-2.97 (-6.47,0.54)	0.90 (-1.52,3.32)	8.52 (1.73,15.30)
Hot summer continental	RUCC1	-0.94 (-2.64,0.76)	-2.89 (-5.21,-0.57)	-0.30 (-2.05,1.44)	0.72 (-3.07,4.50)
	RUCC2	-2.30 (-5.26,0.66)	-4.78 (-8.53,-1.04)	-2.29 (-5.06,0.49)	4.14 (-1.23,9.51)
	RUCC3	-4.23 (-5.76,-2.70)	-3.95 (-6.64,-1.25)	-0.94 (-2.50,0.63)	0.94 (-2.46,4.35)
	RUCC4	0.25 (-1.42,1.91)	0.35 (-2.26,2.96)	2.03 (0.45,3.61)	1.99 (-2.36,6.34)
Humid subtropical	RUCC1	-0.30 (-0.98,0.38)	-1.76 (-2.90,-0.62)	0.32 (-0.27,0.91)	1.34 (-0.34,3.02)
	RUCC2	-1.01 (-2.58,0.56)	-6.21 (-8.50,-3.91)	0.51 (-0.88,1.89)	3.16 (0.41,5.90)
	RUCC3	-0.88 (-1.56,-0.21)	-4.66 (-6.23,-3.10)	0.31 (-0.49,1.11)	5.28 (3.52,7.05)
	RUCC4	-0.42 (-1.20,0.37)	-3.10 (-4.77,-1.43)	-2.07 (-3.05,-1.08)	7.68 (5.30,10.06)

Mediterranean	RUCC1	-2.12 (-3.77,-0.46)	-2.76 (-5.57,0.05)	1.13 (-1.08,3.33)	2.54 (-1.16,6.23)
	RUCC2	-2.14 (-6.08,1.80)	0.72 (-3.95,5.40)	-1.79 (-5.37,1.79)	-0.54 (-6.88,5.80)
	RUCC3	-0.99 (-4.92,2.93)	1.00 (-3.48,5.49)	0.39 (-2.76,3.55)	4.97 (-1.22,11.15)
	RUCC4	-2.80 (-6.77,1.18)	-3.95 (-10.92,3.01)	-1.46 (-4.82,1.90)	2.92 (-4.72,10.56)
Warm summer continental	RUCC1	-0.90 (-2.07,0.27)	-5.00 (-6.91,-3.09)	0.52 (-0.95,2.00)	3.67 (0.42,6.91)
	RUCC2	-2.65 (-5.05,-0.25)	-9.00 (-12.61,-5.39)	0.30 (-2.20,2.79)	2.03 (-3.45,7.52)
	RUCC3	-2.76 (-4.70,-0.81)	-8.82 (-11.94,-5.71)	-2.00 (-3.74,-0.26)	3.28 (-1.00,7.56)
	RUCC4	0.41 (-1.56,2.38)	-4.34 (-7.49,-1.19)	0.61 (-0.82,2.04)	4.13 (-0.29,8.55)