

Analyses 1, 4, 7:

Atlantic coastal counties (bordering the ocean, ie 1st degree) versus Inland Counties (including all counties bordering non-ocean bodies of water).

Pacific coastal counties (bordering the ocean, ie 1st degree) versus Inland Counties (including all counties bordering non-ocean bodies of water).

Gulf coastal counties (bordering the ocean, ie 1st degree) versus Inland Counties (including all counties bordering non-ocean bodies of water).

Cases (All)				Deaths (All)			
<i>Predictors</i>	<i>Incidence Rate Ratios</i>	<i>CI</i>	<i>p</i>	<i>Predictors</i>	<i>Incidence Rate Ratios</i>	<i>CI</i>	<i>p</i>
(Intercept)	0.093	0.084 – 0.102	<0.001	(Intercept)	0.002	0.002 – 0.002	<0.001
regionatlantic	1.215	1.060 – 1.392	0.005	regionatlantic	1.194	1.036 – 1.377	0.015
regiongulf of mexico	0.894	0.805 – 0.992	0.036	regiongulf of mexico	0.917	0.824 – 1.020	0.110
regionpacific	0.943	0.768 – 1.158	0.576	regionpacific	0.826	0.679 – 1.005	0.056
scale(popdensity)	1.013	0.989 – 1.038	0.302	scale(popdensity)	1.026	0.979 – 1.075	0.291
scale(poverty)	0.952	0.868 – 1.044	0.296	scale(poverty)	1.296	1.083 – 1.552	0.005
scale(log(median_income))	0.881	0.793 – 0.978	0.018	scale(log(median_income))	1.103	0.923 – 1.318	0.279
scale(pct_obesity)	0.957	0.879 – 1.043	0.316	scale(pct_obesity)	1.062	1.006 – 1.122	0.031
scale(voter_margin_2020)	1.141	1.053 – 1.235	0.001	scale(voter_margin_2020)	1.099	0.995 – 1.213	0.063
scale(median_age)	0.890	0.853 – 0.928	<0.001	scale(median_age)	1.228	1.149 – 1.314	<0.001
factor(party)Republican	0.974	0.877 – 1.082	0.625	factor(party)Republican	0.896	0.802 – 1.000	0.051
scale(mean_pm25)	1.032	0.992 – 1.075	0.119	scale(mean_pm25)	1.063	1.006 – 1.124	0.029
scale(mean_summer_rm)	1.034	0.974 – 1.099	0.275	scale(mean_summer_rm)	1.103	0.990 – 1.228	0.075
scale(mean_winter_rm)	0.920	0.860 – 0.984	0.014	scale(mean_winter_rm)	0.840	0.764 – 0.923	<0.001
Observations	601			Observations	601		

Analysis 2, 5, 8:

Atlantic urban coastal counties (bordering the ocean, ie 1st degree) versus Inland urban Counties (including all counties bordering non-ocean bodies of water).

Pacific urban coastal counties (bordering the ocean, ie 1st degree) versus Inland urban Counties (including all counties bordering non-ocean bodies of water).

Gulf urban coastal counties (bordering the ocean, ie 1st degree) versus Inland urban Counties (including all counties bordering non-ocean bodies of water).

Cases (Urban)				Deaths (Urban)			
<i>Predictors</i>	<i>Incidence Rate Ratios</i>	<i>CI</i>	<i>p</i>	<i>Predictors</i>	<i>Incidence Rate Ratios</i>	<i>CI</i>	<i>p</i>
(Intercept)	0.088	0.083 – 0.093	<0.001	(Intercept)	0.002	0.002 – 0.002	<0.001
regionatlantic	1.074	0.915 – 1.261	0.383	regionatlantic	1.148	0.897 – 1.469	0.273
regiongulf of mexico	0.919	0.802 – 1.053	0.222	regiongulf of mexico	0.978	0.744 – 1.286	0.875
regionpacific	0.851	0.687 – 1.054	0.140	regionpacific	0.599	0.470 – 0.763	<0.001
scale(popdensity)	1.001	0.955 – 1.050	0.958	scale(popdensity)	1.038	0.957 – 1.125	0.369
scale(poverty)	0.929	0.851 – 1.014	0.098	scale(poverty)	1.190	1.033 – 1.370	0.016
scale(log(median_income))	0.910	0.835 – 0.993	0.035	scale(log(median_income))	1.161	0.955 – 1.412	0.134
scale(pct_obesity)	1.038	0.959 – 1.123	0.361	scale(pct_obesity)	1.130	0.988 – 1.293	0.074
scale(voter_margin_2020)	1.121	1.073 – 1.172	<0.001	scale(voter_margin_2020)	1.110	1.018 – 1.211	0.018
scale(median_age)	0.954	0.901 – 1.010	0.108	scale(median_age)	1.250	1.169 – 1.336	<0.001
factor(party)Republican	1.127	0.854 – 1.487	0.398	factor(party)Republican	0.993	0.666 – 1.480	0.973
scale(mean_pm25)	1.023	0.956 – 1.094	0.509	scale(mean_pm25)	1.057	0.921 – 1.214	0.431
scale(mean_summer_rm)	0.948	0.913 – 0.984	0.005	scale(mean_summer_rm)	0.906	0.824 – 0.996	0.042
scale(mean_winter_rm)	0.902	0.849 – 0.958	0.001	scale(mean_winter_rm)	0.854	0.785 – 0.930	<0.001
Observations	63			Observations	63		

Analysis 3, 6, 9:

Atlantic rural coastal counties (bordering the ocean, ie 1st degree) versus Inland rural Counties (including all counties bordering non-ocean bodies of water).

Pacific rural coastal counties (bordering the ocean, ie 1st degree) versus Inland rural Counties (including all counties bordering non-ocean bodies of water).

Gulf rural coastal counties (bordering the ocean, ie 1st degree) versus Inland rural Counties (including all counties bordering non-ocean bodies of water).

Cases (Rural)				Deaths (Rural)			
<i>Predictors</i>	<i>Incidence Rate Ratios</i>	<i>CI</i>	<i>p</i>	<i>Predictors</i>	<i>Incidence Rate Ratios</i>	<i>CI</i>	<i>p</i>
(Intercept)	0.092	0.086 – 0.099	<0.001	(Intercept)	0.002	0.002 – 0.002	<0.001
regionatlantic	1.228	1.077 – 1.400	0.002	regionatlantic	1.196	1.053 – 1.358	0.006
regiongulf of mexico	0.978	0.884 – 1.082	0.664	regiongulf of mexico	1.037	0.856 – 1.257	0.709
regionpacific	0.824	0.639 – 1.063	0.136	regionpacific	0.714	0.603 – 0.847	<0.001
scale(popdensity)	1.048	1.008 – 1.088	0.017	scale(popdensity)	1.028	0.983 – 1.074	0.230
scale(poverty)	1.018	0.930 – 1.115	0.701	scale(poverty)	1.381	1.194 – 1.597	<0.001
scale(log(median_income))	0.933	0.877 – 0.993	0.029	scale(log(median_income))	1.132	1.005 – 1.276	0.041
scale(pct_obesity)	0.971	0.896 – 1.051	0.464	scale(pct_obesity)	1.079	1.035 – 1.125	<0.001
scale(voter_margin_2020)	1.182	1.110 – 1.258	<0.001	scale(voter_margin_2020)	1.163	1.073 – 1.260	<0.001
scale(median_age)	0.879	0.840 – 0.920	<0.001	scale(median_age)	1.176	1.081 – 1.279	<0.001
factor(party)Republican	0.965	0.890 – 1.046	0.387	factor(party)Republican	0.855	0.756 – 0.968	0.013
scale(mean_pm25)	0.996	0.963 – 1.030	0.809	scale(mean_pm25)	1.004	0.951 – 1.060	0.884
scale(mean_summer_rm)	0.992	0.940 – 1.048	0.786	scale(mean_summer_rm)	1.049	0.948 – 1.161	0.354
scale(mean_winter_rm)	0.950	0.905 – 0.998	0.041	scale(mean_winter_rm)	0.885	0.824 – 0.951	0.001
Observations	538			Observations	538		