Table S1 – Indicators and lagged mortality outcomes by episode.

Start date	State	Duration of 'high' episode (weeks)	Values at start of episode			Weekly deaths per 100K 21 days after start
			Weekly cases per 100K	Weekly hospital admissions per 100K	Percentage of inpatient beds occupied by COVID-19 patients	
2021-07-28	Alabama	10	276	30.8	9.0	3.7
2021-12-29	Alabama	8	392	14.5	6.5	2.4
2021-07-28	Alaska	18	209	12.9	9.2	1.5
2022-01-12	Alaska	6	1382	15.6	7.6	1.5
2021-08-11	Arizona	29	236	17.0	12.7	2.9
2021-07-14	Arkansas	12	237	24.7	8.9	4.3
2021-12-29	Arkansas	9	385	19.5	10.1	3.0
2021-08-11	California	5	214	15.1	13.0	1.6
2021-12-29	California	8	398	11.5	9.8	1.8
2021-09-01	Colorado	25	201	16.8	10.8	1.8
2021-12-08	Connecticut	10	300	16.2	8.4	2.4
2021-08-18	Delaware	11	204	15.2	6.5	0.7
2021-11-17	Delaware	14	225	12.3	6.4	2.8
2021-08-25	District of Columbia	2	163	28.9	5.6	0.6
2021-12-15	District of Columbia	8	227	16.0	5.4	1.7
2021-07-21	Florida	11	264	27.9	10.6	4.0
2021-12-22	Florida	9	351	10.9	3.9	1.3
2021-08-04	Georgia	11	257	28.7	15.4	2.7
2021-12-22	Georgia	9	250	14.2	8.9	2.3
2021-08-11	Hawaii	7	267	19.4	12.3	2.0
2021-12-29	Hawaii	8	761	10.1	6.0	1.5
2021-08-11	Idaho	14	216	14.7	11.6	3.1
2022-01-05	Idaho	9	309	12.7	11.8	4.3
2021-09-01	Illinois	3	229	15.7	10.1	2.3
2021-11-24	Illinois	13	257	13.0	8.5	2.7
2021-08-11	Indiana	10	201	17.1	9.5	2.7
2021-11-10	Indiana	15	208	15.0	10.2	3.5
2021-08-25	Iowa	26	225	17.6	10.5	2.0
2021-08-04	Kansas	11	217	17.7	9.4	4.0
2021-11-10	Kansas	15	234	16.3	8.3	2.4
2021-07-28	Kentucky	13	157	20.8	6.3	1.3
2021-11-17	Kentucky	16	213	18.0	9.2	9.0
2021-07-21	Louisiana	10	302	22.5	7.1	6.0

Table S1 – Indicators and lagged mortality outcomes by episode. *(continued)*

| Start date | State | Duration of 'high' episode (weeks) | Values at start of episode | | | Weekly deaths per 100K 21 days after start |
			Weekly cases per 100K	Weekly hospital admissions per 100K	Percentage of inpatient beds occupied by COVID-19 patients	
2021-12-29	Louisiana	8	617	20.7	5.3	2.8
2021-09-22	Maine	2	238	15.4	9.8	1.3
2021-10-13	Maine	20	258	10.3	7.4	2.9
2021-12-22	Maryland[1]	8	299	22.3	16.6	7.0
2021-12-01	Massachusetts	11	290	11.5	5.4	3.1
2021-09-15	Michigan	23	217	12.8	8.1	2.5
2021-09-15	Minnesota	23	235	10.4	10.0	2.0
2021-07-28	Mississippi	10	312	21.8	12.3	6.9
2021-12-29	Mississippi	8	449	15.6	8.3	3.4
2021-07-21	Missouri	10	251	19.9	11.5	3.4
2021-12-01	Missouri	12	239	17.0	11.0	2.7
2021-08-11	Montana	18	168	21.2	7.9	2.8
2022-01-05	Montana	9	332	23.8	7.4	2.5
2021-08-25	Nebraska	26	224	13.8	10.8	0.8
2021-07-14	Nevada	11	154	21.0	10.4	2.6
2021-12-22	Nevada	9	212	17.5	10.7	3.2
2021-10-20	New Hampshire	18	283	13.6	7.7	2.7
2021-12-08	New Jersey	9	316	15.4	7.8	2.0
2021-08-18	New Mexico	28	261	17.4	11.6	2.3
2021-11-17	New York	13	208	10.3	6.1	1.8
2021-08-11	North Carolina	10	313	17.1	10.9	3.1
2021-12-08	North Carolina	12	205	10.5	8.0	1.0
2021-08-25	North Dakota	26	229	15.0	7.4	1.7
2021-08-25	Ohio	25	208	17.4	10.0	2.1
2021-07-28	Oklahoma	13	219	23.6	9.4	2.1
2021-12-08	Oklahoma	12	237	24.3	9.3	1.3
2021-08-11	Oregon	9	233	13.4	12.7	3.1
2022-01-05	Oregon	8	553	10.1	10.8	3.3
2021-09-15	Pennsylvania	22	236	15.5	10.5	3.2
2021-12-08	Rhode Island	10	565	14.5	9.3	4.4
2021-08-04	South Carolina	11	295	18.4	9.2	4.2

Table S1 – Indicators and lagged mortality outcomes by episode. *(continued)*

Start date	State	Duration of 'high' episode (weeks)	Values at start of episode			Weekly deaths per 100K 21 days after start
			Weekly cases per 100K	Weekly hospital admissions per 100K	Percentage of inpatient beds occupied by COVID-19 patients	
2021-12-29	South Carolina	9	346	16.2	8.9	3.5
2021-08-25	South Dakota	26	245	20.0	8.3	1.8
2021-08-04	Tennessee	11	256	18.6	10.2	3.2
2021-12-22	Tennessee	10	242	12.9	8.9	3.0
2021-08-04	Texas	10	271	28.3	15.0	4.0
2021-12-22	Texas	9	202	11.3	7.8	2.2
2021-08-18	Utah	27	254	13.5	10.6	1.7
2021-09-22	Vermont	2	240	10.9	5.7	2.1
2021-11-10	Vermont	16	350	11.1	5.9	1.0
2021-08-25	Virginia	7	224	13.3	10.6	2.2
2021-12-15	Virginia	10	212	12.6	10.2	1.1
2021-08-11	Washington	11	225	9.5	10.5	2.2
2022-01-05	Washington	7	747	16.7	13.5	4.3
2021-08-18	West Virginia	29	248	22.2	8.6	3.5
2021-09-01	Wisconsin	25	238	21.3	10.9	1.6
2021-08-04	Wyoming	19	201	17.8	9.4	4.5
2021-12-29	Wyoming	8	204	11.2	10.4	2.2

[1] Maryland did not report case data from December 5, 2021 through December 19, 2021, and values in the New York Times dataset were filled by repeating the December 4 value over the entire missing interval. For our purposes, we replaced those repeated values in our analytic dataset with backfilled Maryland case data for December 5 to December 19 obtained directly from the Maryland Department of Health, available at https://coronavirus.maryland.gov/datasets/mdcovid19-casesper100kpopulationstatewide/explore ('MDCOVID19 CasesPer100KpopulationStatewide').