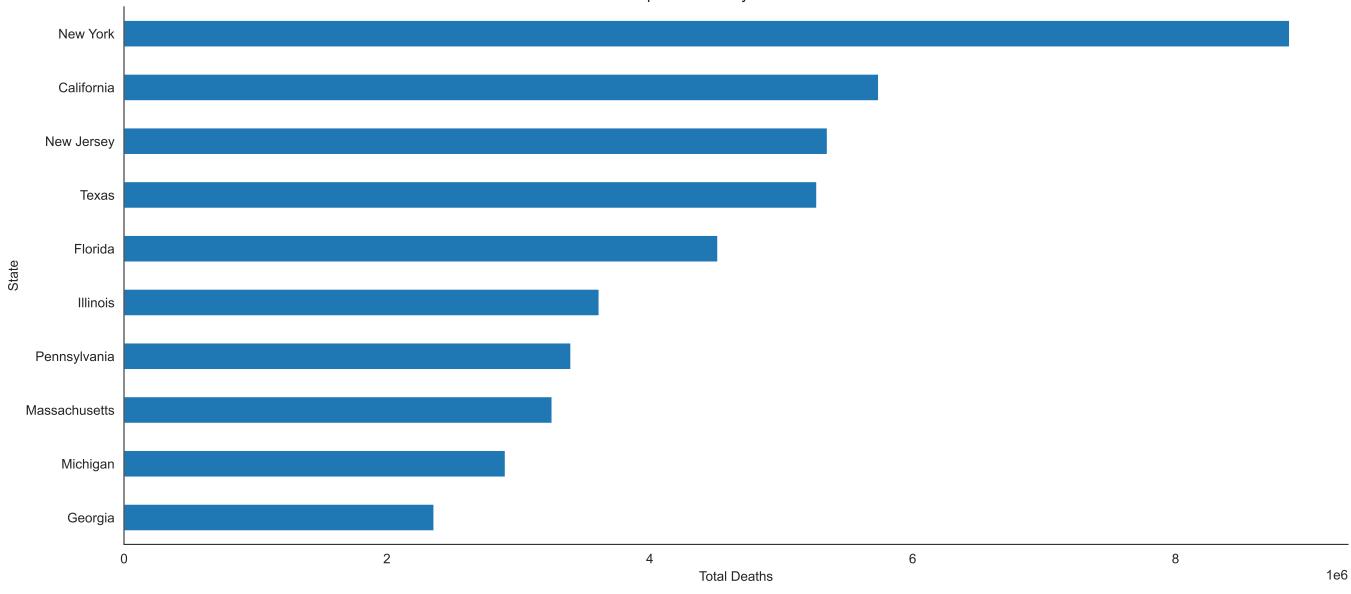
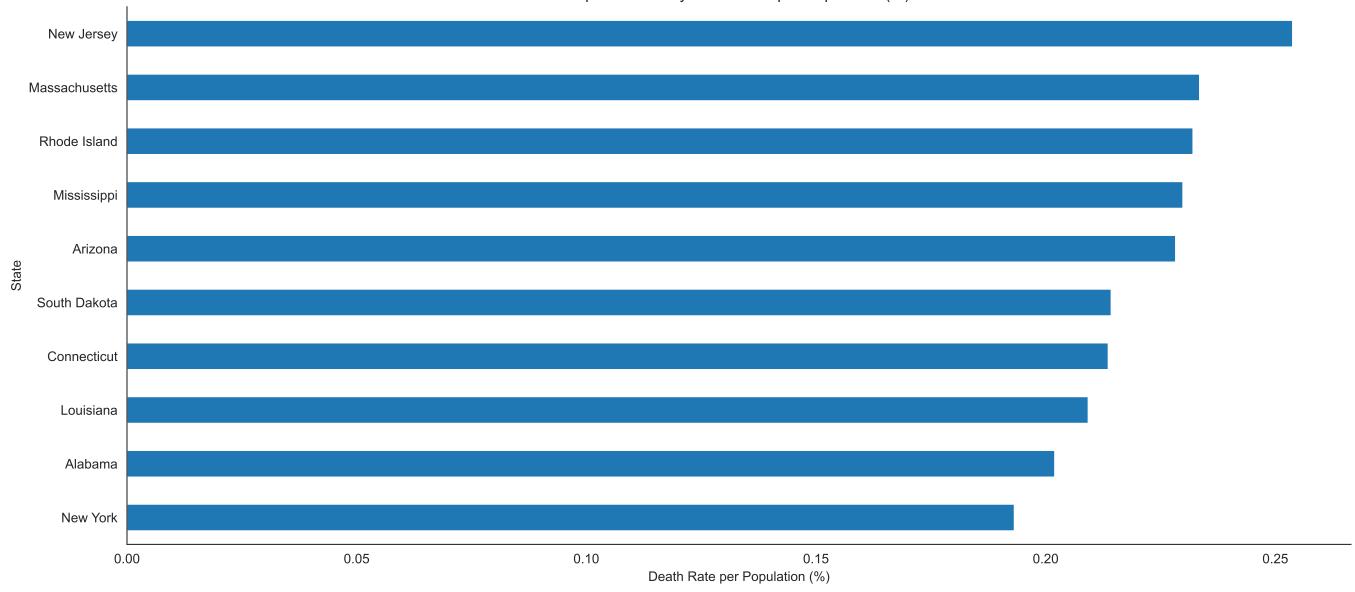
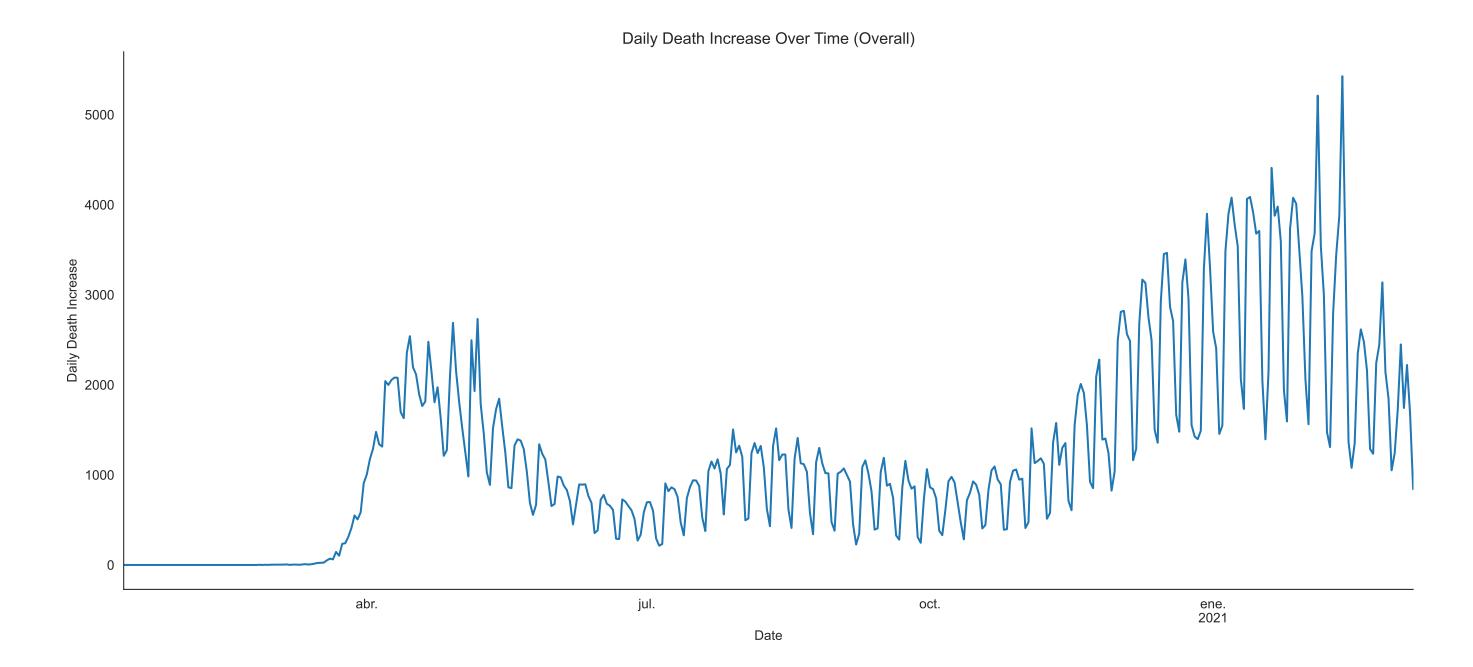
Top 10 States by Total Deaths

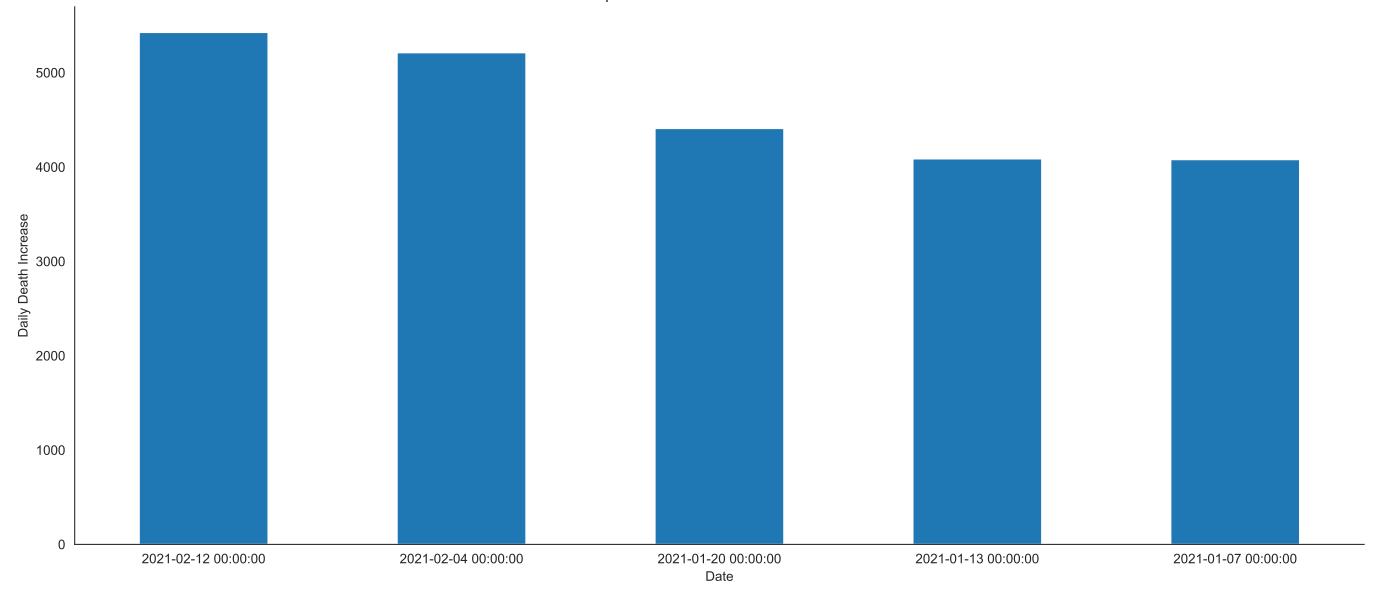


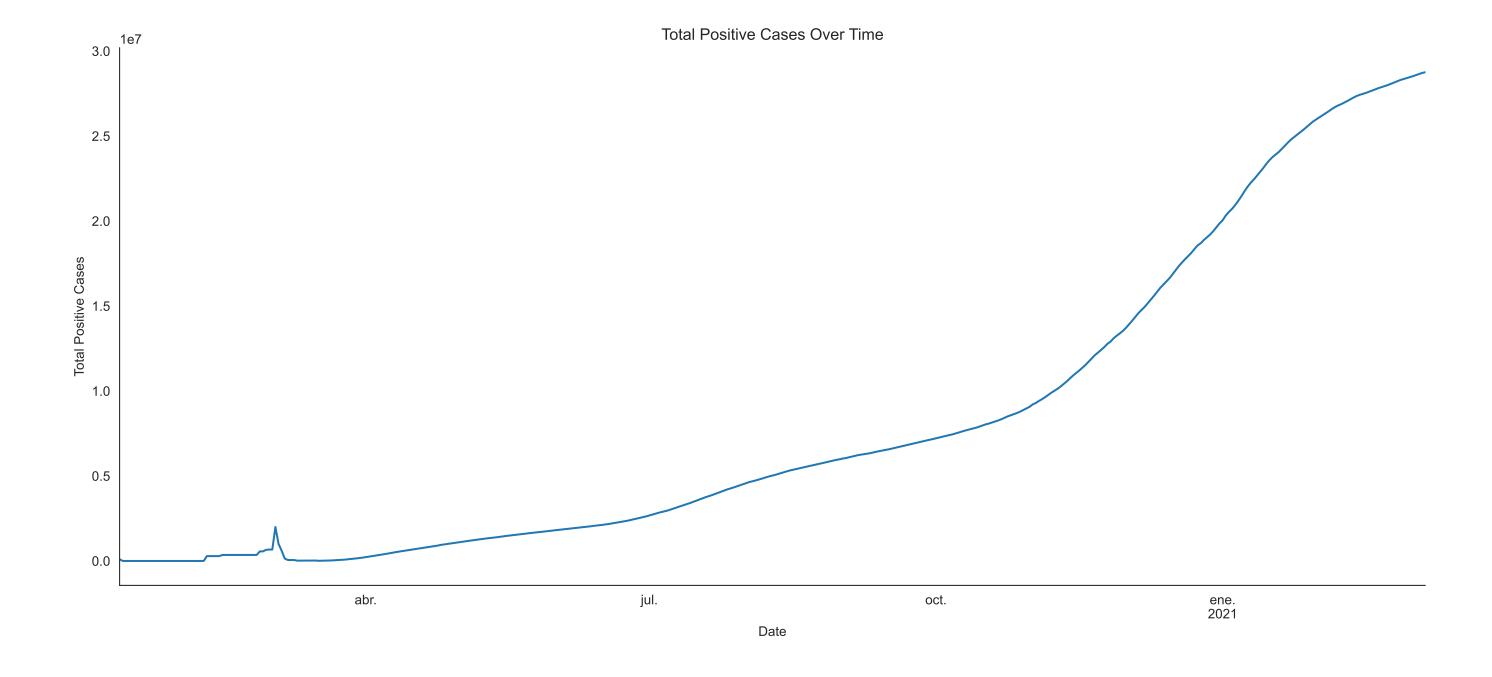
Top 10 States by Death Rate per Population (%)





Top 5 Peak Dates for Death Increase





Frequency Distribution of COVID-19 Death Rates Across U.S. States

0.15

Percentage of Deaths Relative to Population (%)

0.20

0.25

3500

3000

Number of States/Observations 2000 1500

1000

500

0.00

0.05

0.10

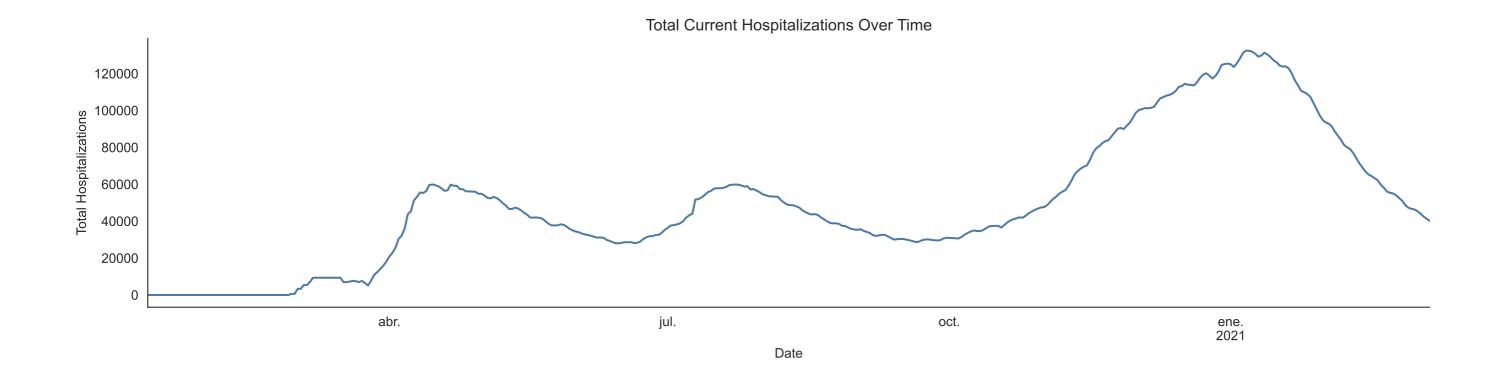
Correlation Heatmap of Numerical Variables (Pearson Correlation)

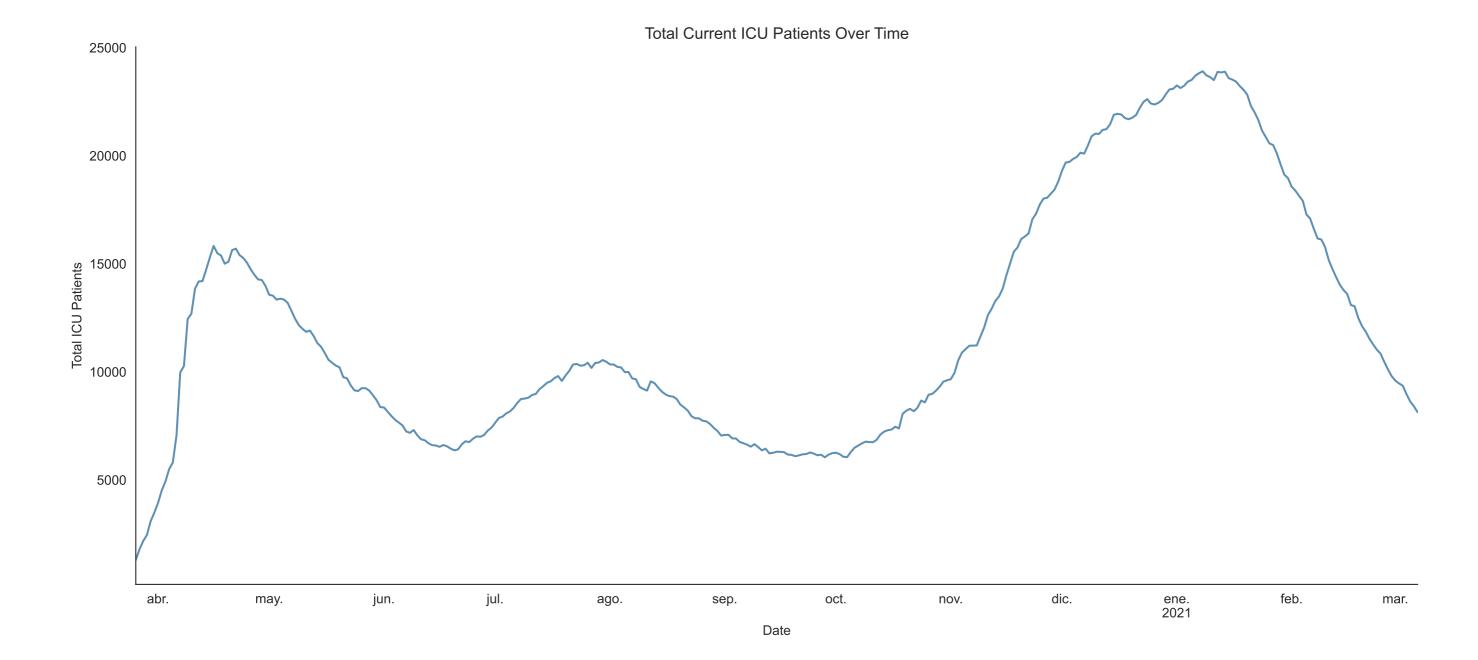
positive	1.00	0.80	0.91	0.95	0.48	0.98	0.46	0.73	0.99	0.98	0.97	0.87	0.31	0.56	0.49	0.40	0.84
probable_cases	0.80	1.00	0.51	0.60	0.16	0.68	0.15	0.29	0.73	0.72	0.69	0.96	0.03	0.16	0.25	0.08	0.84
negative	0.91	0.51	1.00	0.98	0.58	0.96	0.58	0.86	0.93	0.93	0.94	0.61	0.45	0.73	0.51	0.54	0.67
total_test_results	0.95	0.60	0.98	1.00	0.50	0.99	0.49	0.83	0.98	0.97	0.97	0.71	0.36	0.66	0.47	0.45	0.72
hospitalized_currently	0.48	0.16	0.58	0.50	1.00	0.48	0.99	0.39	0.43	0.38	0.39	0.12	0.89	0.70	0.70	0.85	0.19
hospitalized_cumulative	0.98	0.68	0.96	0.99	0.48	1.00	0.46	0.85	0.99	0.99	0.99	0.78	0.33	0.62	0.48	0.43	0.82
in_icu_currently	0.46	0.15	0.58	0.49	0.99	0.46	1.00	0.36	0.41	0.36	0.37	0.10	0.88	0.71	0.69	0.85	0.16
in_icu_cumulative	0.73	0.29	0.86	0.83	0.39	0.85	0.36	1.00	0.78	0.83	0.85	0.41	0.30	0.59	0.38	0.42	0.69
recovered	0.99	0.73	0.93	0.98	0.43	0.99	0.41	0.78	1.00	0.99	0.99	0.83	0.27	0.57	0.46	0.37	0.81
death	0.98	0.72	0.93	0.97	0.38	0.99	0.36	0.83	0.99	1.00	1.00	0.83	0.24	0.55	0.42	0.35	0.85
death_confirmed	0.97	0.69	0.94	0.97	0.39	0.99	0.37	0.85	0.99	1.00	1.00	0.80	0.25	0.57	0.43	0.36	0.84
death_probable	0.87	0.96	0.61	0.71	0.12	0.78	0.10	0.41	0.83	0.83	0.80	1.00	-0.01	0.22	0.25	0.08	0.85
positive_increase	0.31	0.03	0.45	0.36	0.89	0.33	0.88	0.30	0.27	0.24	0.25	-0.01	1.00	0.73	0.70	0.91	0.07
total_test_results_increase	0.56	0.16	0.73	0.66	0.70	0.62	0.71	0.59	0.57	0.55	0.57	0.22	0.73	1.00	0.61	0.70	0.28
death_increase	0.49	0.25	0.51	0.47	0.70	0.48	0.69	0.38	0.46	0.42	0.43	0.25	0.70	0.61	1.00	0.78	0.30
hospitalized_increase	0.40	0.08	0.54	0.45	0.85	0.43	0.85	0.42	0.37	0.35	0.36	0.08	0.91	0.70	0.78	1.00	0.18
death_rate_per_population	0.84	0.84	0.67	0.72	0.19	0.82	0.16	0.69	0.81	0.85	0.84	0.85	0.07	0.28	0.30	0.18	1.00

positive cases negative results negative total_test_results total_test_results nospitalized_cumulative in_icu_cumulative recovered in_icu_cumulative recovered

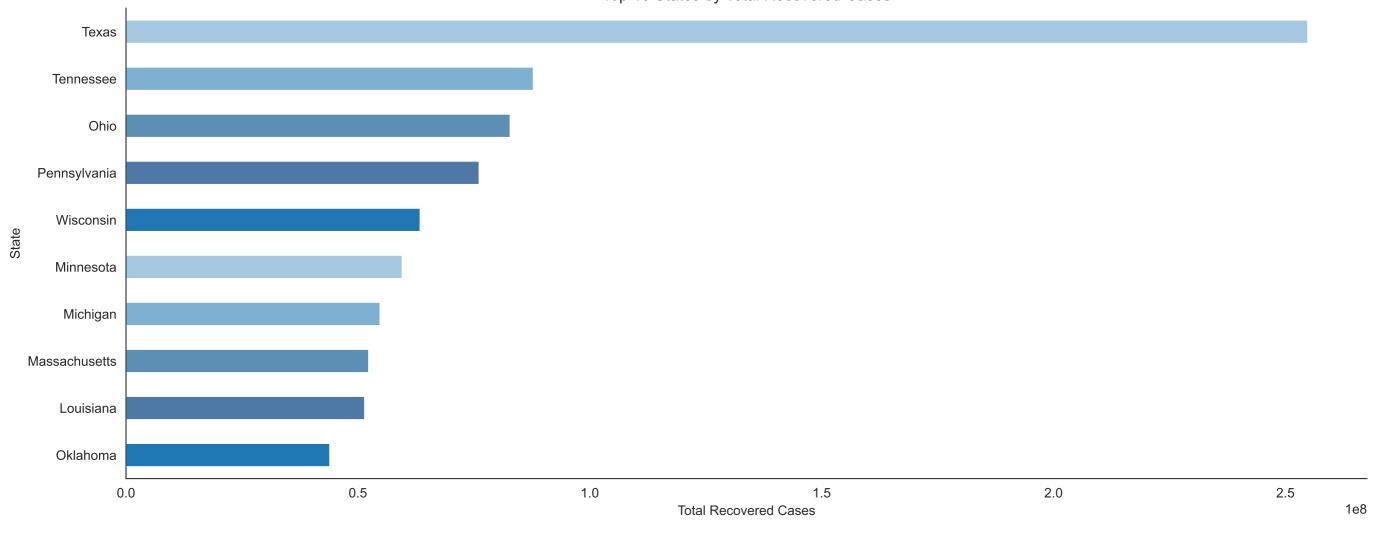
eath confirmed probable increase increase death increase population death total test results increase hospitalized hospitaliz

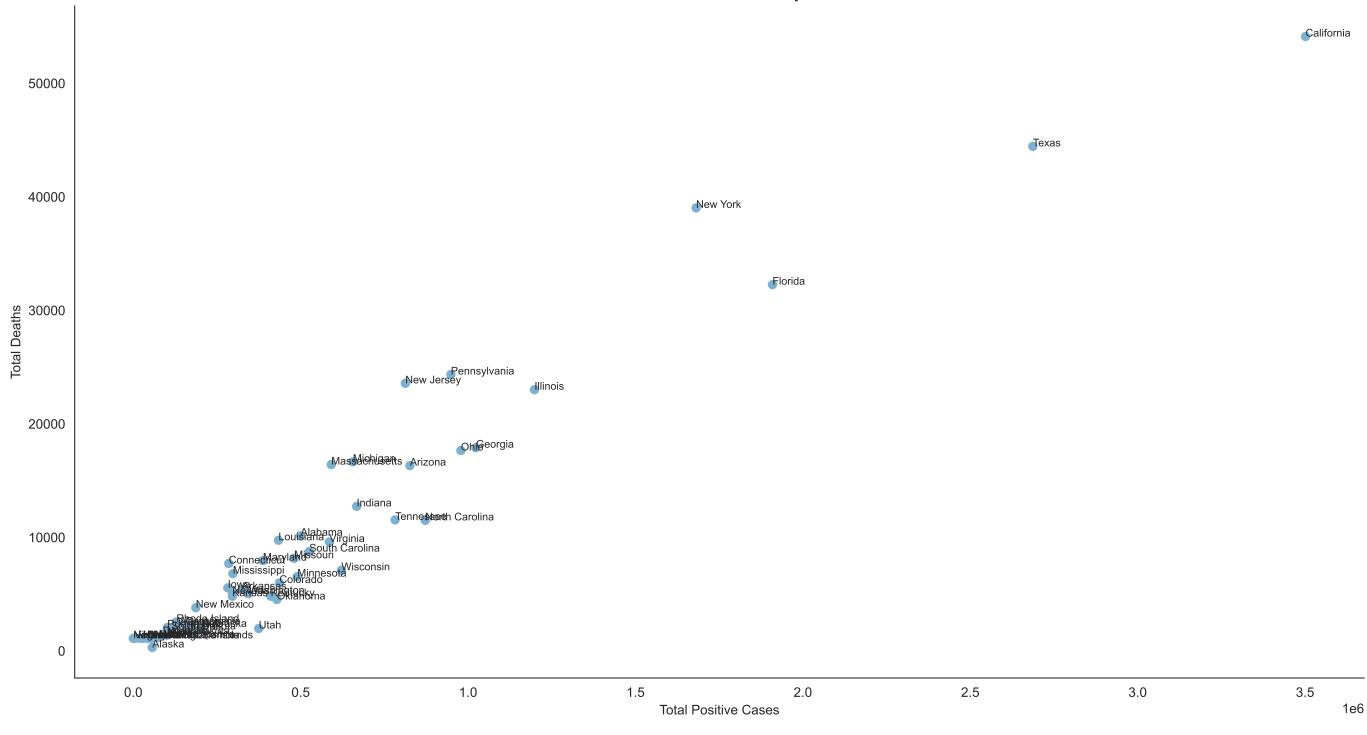
- 1.00 - 0.75 - 0.50 - 0.25





Top 10 States by Total Recovered Cases





Top 10 States by Total Test Results Increase

