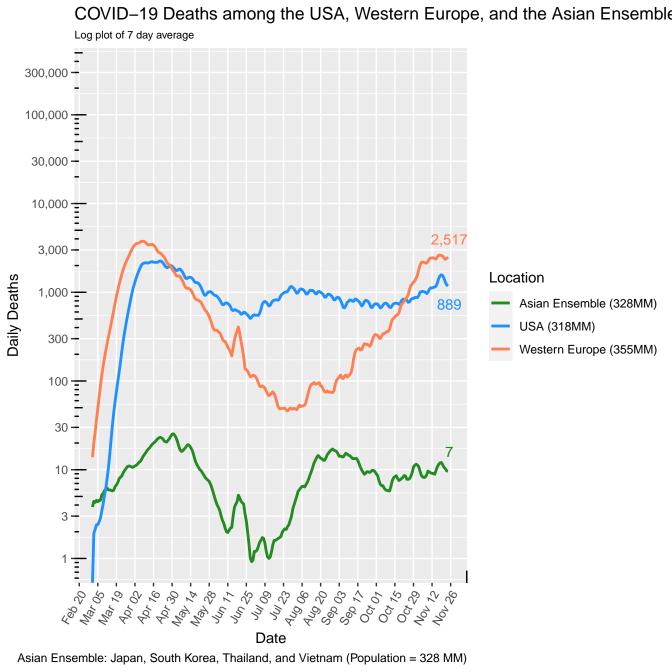
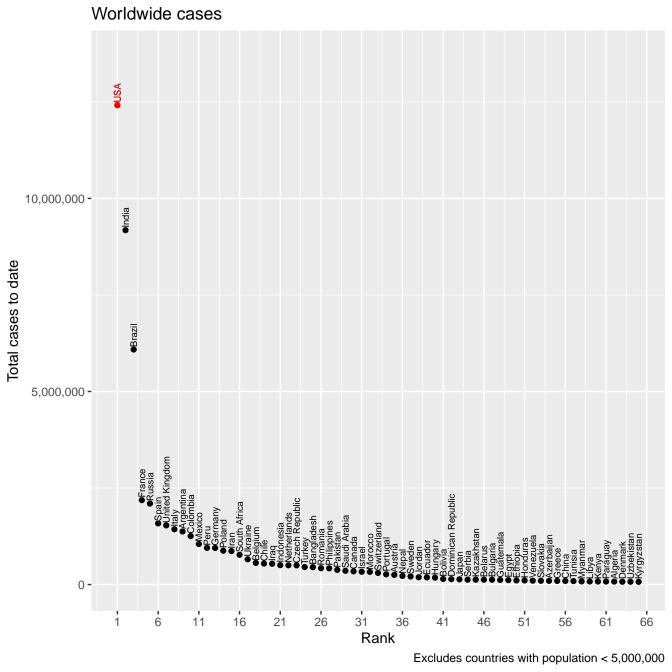
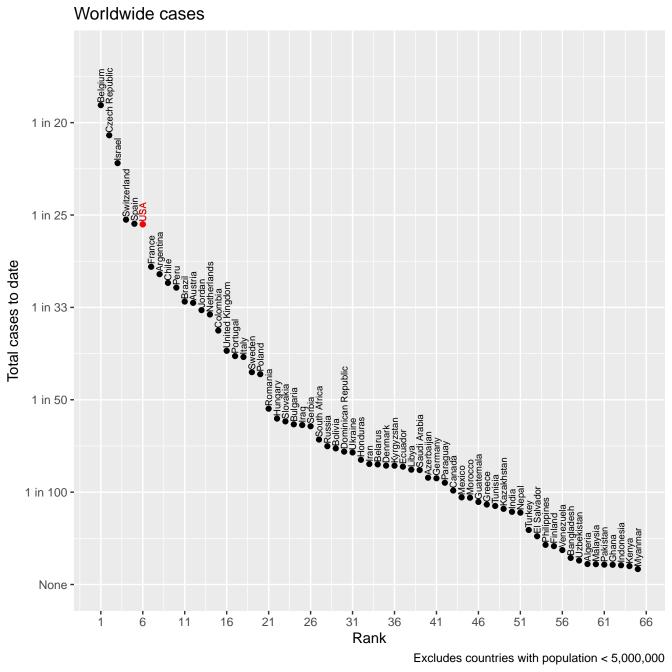


COVID-19 Cases in the USA, Western Europe, and the Asian Ensemble Log plot of 7 day average 300,000 -169,19 100,000 96,576 30,000 -10,000 1,876 3,000 -Location 1,000 Daily Cases Asian Ensemble (328MM) USA (318MM) 300 Western Europe (355MM) 100 30 -10 Date

Asian Ensemble: Japan, South Korea, Thailand, and Vietnam (Population = 328 MM)



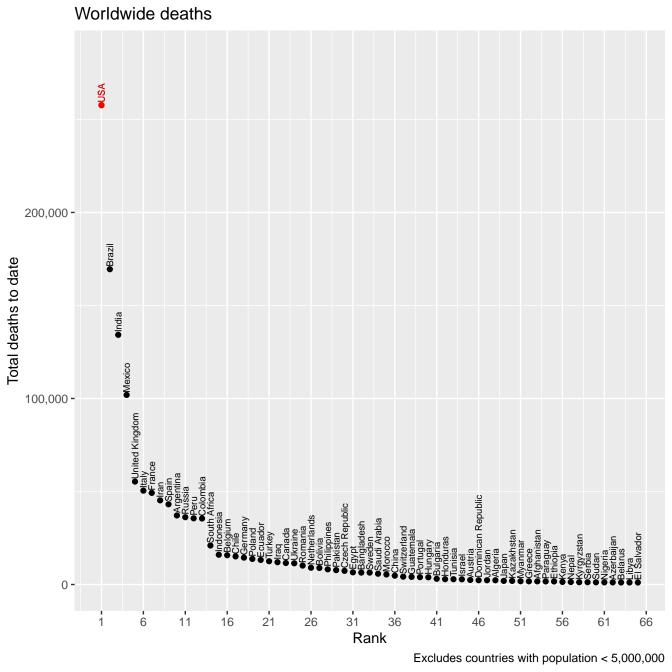


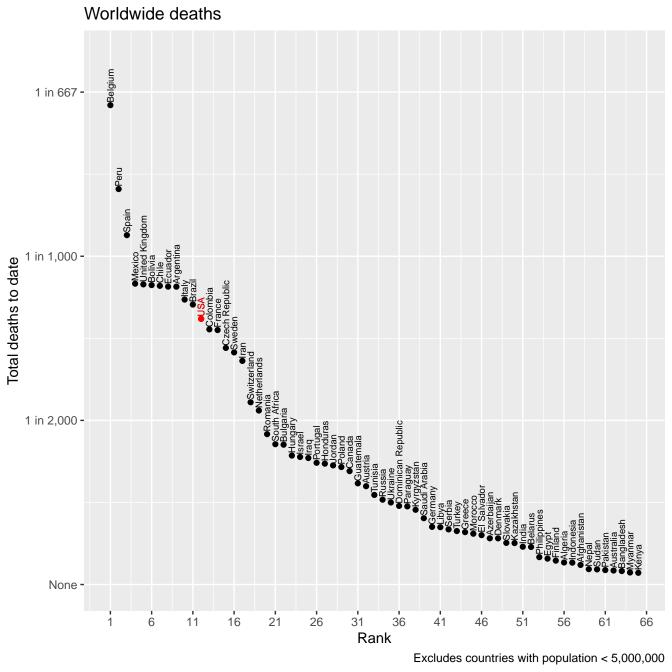


Average new cases over past 7 days 1 in 1,000 -1 in 1,250 -1 in 1,667 -1 in 2,500 -1 in 5,000 -None -26 11 16 21 31 S Rank 41 51 56 61 66 6 36 46

Average cases / day

Excludes countries with population < 5,000,000



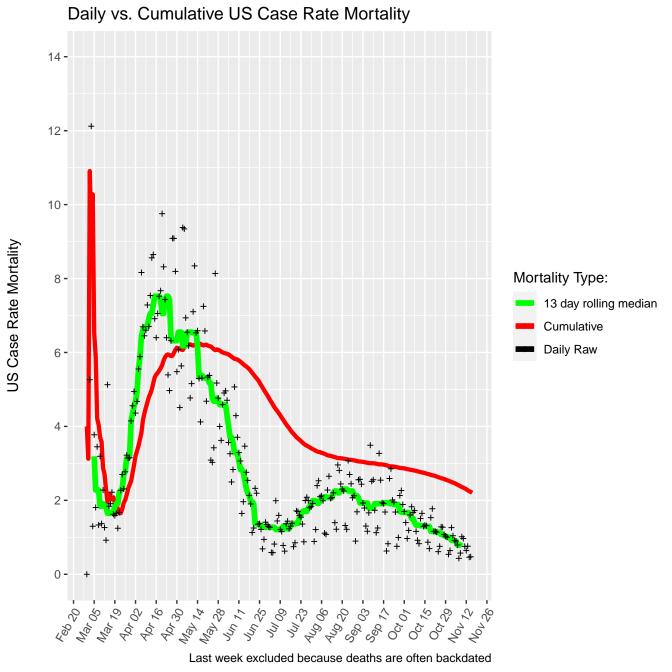


Average daily deaths over past 7 days 1 in 50,000 -1 in 66,667 -1 in 100,000 -1 in 200,000 -None -16 21 26 5₁ 56 4₁ 46 61 66 11 31 36 6

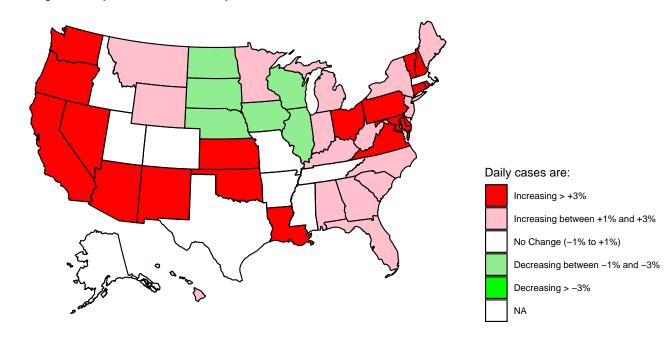
Rank

Average deaths / day

1

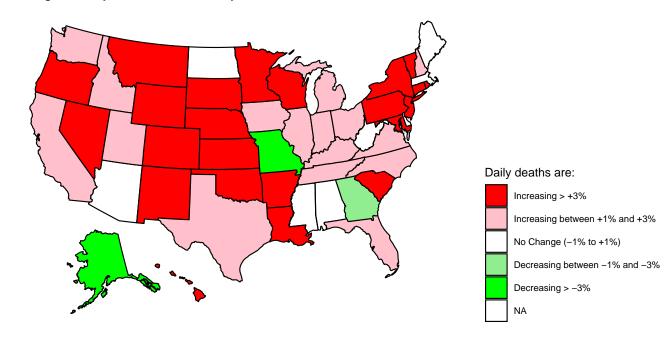


Change in daily cases over 16 days as of 2020–11–24



Daily Cases as a Percent of Peak Cases ΑK ME 100 -75 -50 -25 -0 NH 100 -75 -50 25 WA ND MN MI NY MA 100 -75 -50 -25 0 OR PA RI 100 -75 -Percent of Peak 50 -25 0 -CA MD DE 100 -75 -50 25 0 Seb Oct 728 No. 236 No. 236 SC DC NM KS 100 -75 -50 25 0 MS OK 8,000,000 0,000,000 0,000,000 0,000,000 78878 78878 78878 78878 86788 78878 100 -75 -50 25 -

Change in daily deaths over 16 days as of 2020–11–24



Daily Deaths as a Percent of Peak Deaths ME 100 -75 -NH 100 -75 **-**50 WA ND MN MI NY MA 100 75 -50 25 0 OR SD PA RI 100 -75 -Percent of Peak 50 25 -0 CO MD DE 100 -75 -50 25 0 -SC DC 100 -75 **-**50 25 OK 25 -Sep 28 04 28 Nov 26 Nov 26 788478 788478 868068 100 -75 **-**50 25 -Se 28 004 72 Nov 26 Nov 23

Change in cases vs. change in deaths over last 16 days as of 2020–11–24 10н WY 5 -IA 0 -DE GA -5 **-**-10 **-**5 -5 10 -10

Change in cases (%/day)

Change in deaths (%/day)

Size is proportional total cases per capita

Total US COVID-19 Cases Mask mandate is from July 20th. Political lean is based on election results. □ Florida 1,000,000 -2020 Election Biden Trump Masks ☐ Georgia ☐ Wisconsin No 500,000 -Yes

Total cases

0 -

6

11

16

21

p masks as of July 20, 2020: 0.69, p 2020 Election: 0.86.

51

46

36

41

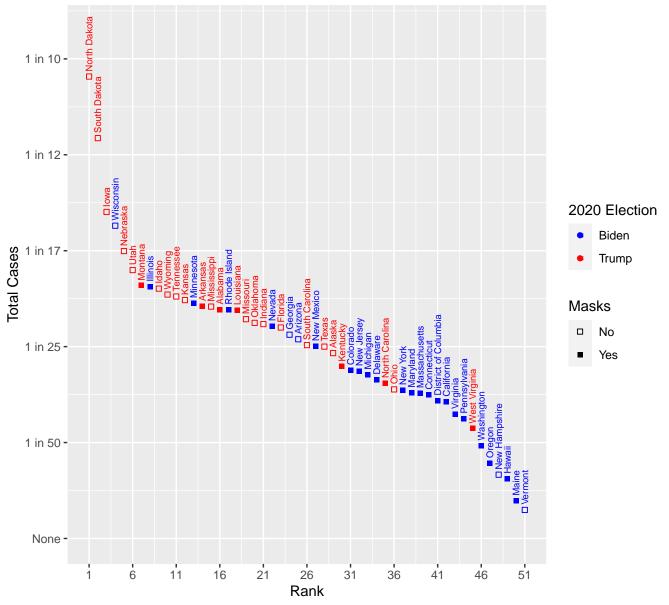
31

26

Rank

Total US COVID-19 Cases

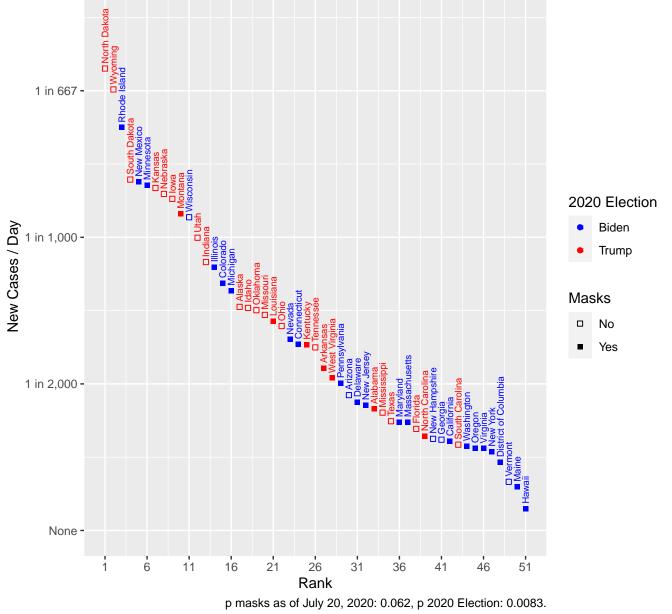
Mask mandate is from July 20th. Political lean is based on election results.



p masks as of July 20, 2020: 0.001, p 2020 Election: 0.00004.

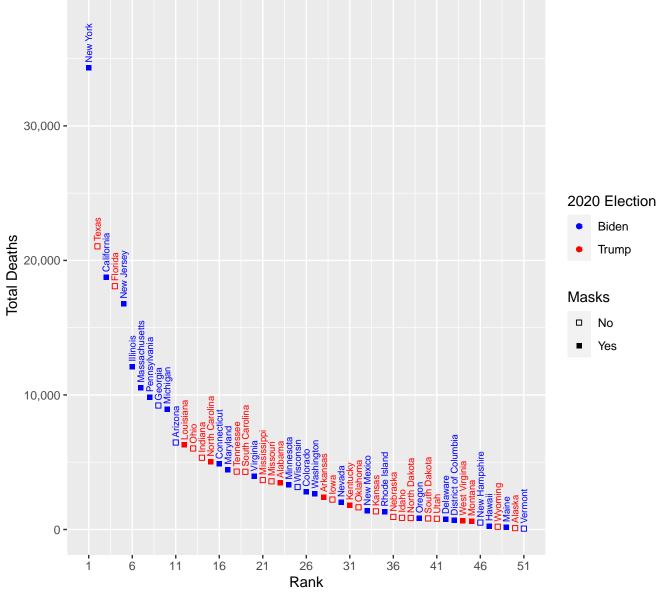
Average US COVID-19 cases over the past 7 days

Mask mandate is from July 20th. Political lean is based on election results.



Total US COVID-19 Deaths

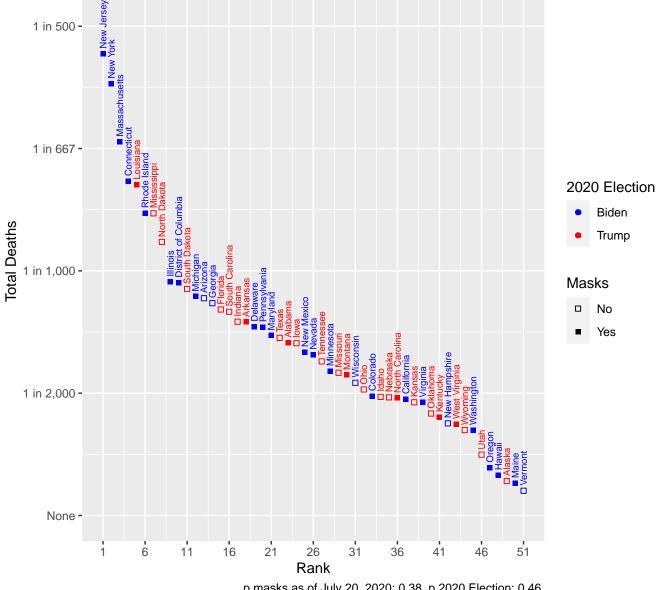
Mask mandate is from July 20th. Political lean is based on election results.



p masks as of July 20, 2020: 0.44, p 2020 Election: 0.39.

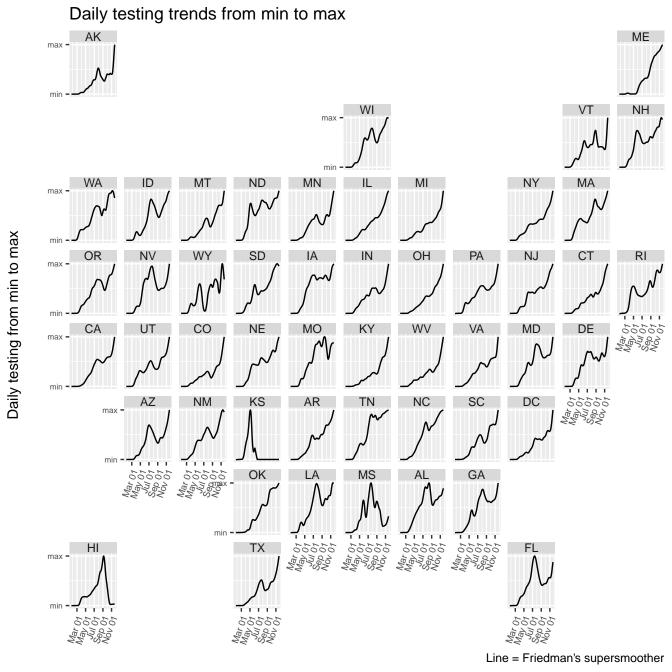
Total US COVID-19 Deaths

Mask mandate is from July 20th. Political lean is based on election results.



p masks as of July 20, 2020: 0.38, p 2020 Election: 0.46.

Average US COVID-19 deaths over the past 7 days Mask mandate is from July 20th. Political lean is based on election results. □ South Dakota 1 in 40,000 -1 in 50,000 -2020 Election Biden Deaths / Day 1 in 66,667 -Trump Masks No 1 in 100,000 -Yes 1 in 200,000 -None -6 11 21 16 26 31 36 41 46 51 Rank p masks as of July 20, 2020: 0.34, p 2020 Election: 0.0039.



Change in daily tests over past 16 days Mask mandate is from July 20th. Political lean is based on election results. □ Mississippi 15.0 **-**□ Vermont 10.0 -2020 Election Biden Trump Masks 5.0 -No Yes 0.0 --5.0 **-**

Change in daily tests (%/day)

6

i

11

16

21

26

Rank

31

p masks as of July 20, 2020: 0.09, p 2020 Election: 0.16.

36

41

46

51

Percent Tested Mask mandate is from July 20th. Political lean is based on election results. 100 -2020 Election Biden Percent Tested Trump Masks No 50 -Yes 0 -6 11 16 21 51 26 36 31 **4**1 46 Rank p masks as of July 20, 2020: 0.017, p 2020 Election: 0.69.

Percent of Positive COVID Tests Mask mandate is from July 20th. Political lean is based on election results. Hawaii 90 -□ Wyoming □ North Dakota 2020 Election Percent of Positive Tests Biden Trump Masks No Yes 30 -0 -6 11 21 51 16 31 46 36 26 41 Rank

p masks as of July 20, 2020: 0.013, p 2020 Election: 0.078.

Percent Positive Trends ΑK ME 100 -10 -NH 100 -MN MI NY 100 -1 -Percent Positive (log scale) OR RI PA 100 -10 -MO MD 100 10 NC SC DC AR 100 OK GA 100 -10 -

Change in tests vs. change in positive tests over last 14 days as of 2020-11-24 NM 10-OH MO NH 5 -OK Change in positive tests (%/day) RI OR PA WY AL WA NV DE 0 -KS W NC MAD WW ID AIR WI MW. VA MS SC IA GA -5 **-** TX NJ CO -10 **-**3 -3 6 -6 Change in tests (%/day)

Size is proportional daily deaths per capita over the past 7 days

Current hospitalizations as a percent of peak since February Mask mandate is from July 20th. Political lean is based on election results. 90 -Hospitalizations (% of peak) 2020 Election Biden Trump Masks No Yes 30 -0 -6 11 21 51 16 46 31 26 36 41 Rank

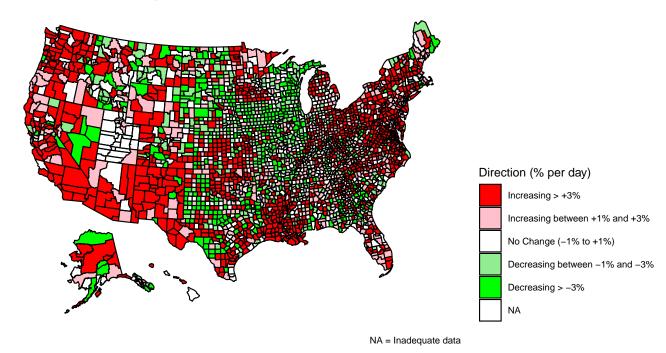
p masks as of July 20, 2020: 0.99, p 2020 Election: 0.044.

Hospitalizations trends from min to max ΑK ME max min NH max -MN MI NY MA max Hospitalizations from min to max min OR RI max min DE max \$600¢ 72 \$00¢ 72 \$00¢ 86. DC NM SC max min -OK min -860 00478 Nov 861 FL max

Change in hospitalizations over past 14 days Mask mandate is from July 20th. Political lean is based on election results. 6.0 -Change in hospitalizations (%/day) 2020 Election Biden Trump Masks No Yes 0.0 -11 16 21 51 6 26 31 36 4<u>1</u> 46 1 Rank

p masks as of July 20, 2020: 0.0046, p 2020 Election: 0.0037.

Case trends over 16 days as of 2020–11–24



Death trends over 16 days as of 2020–11–24

