

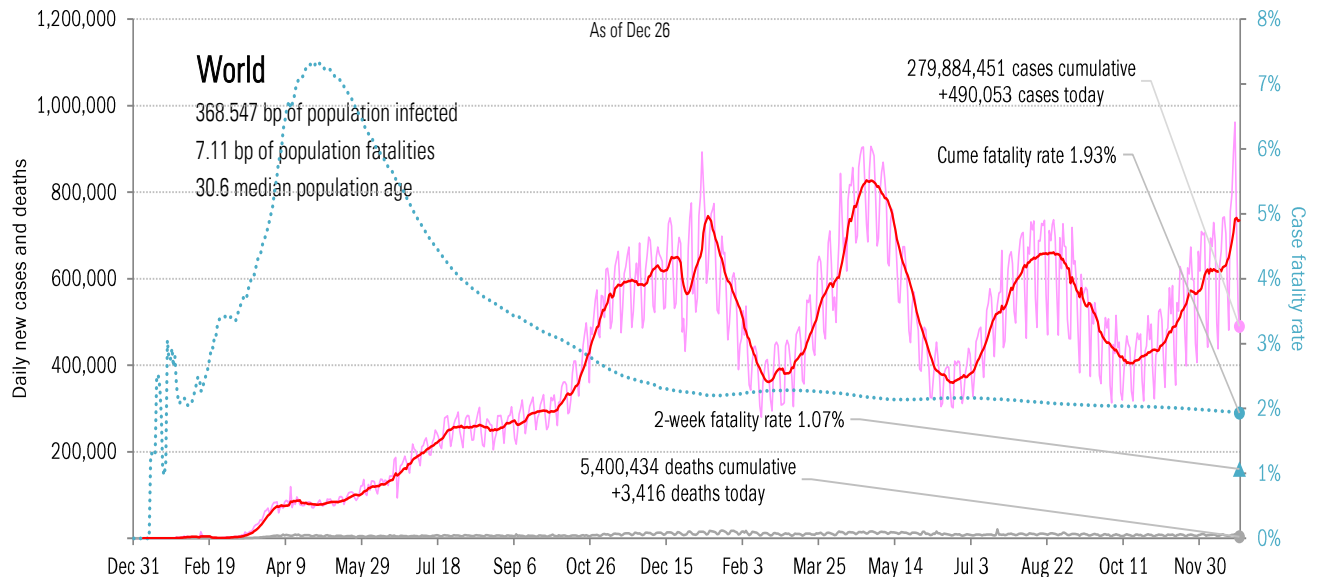
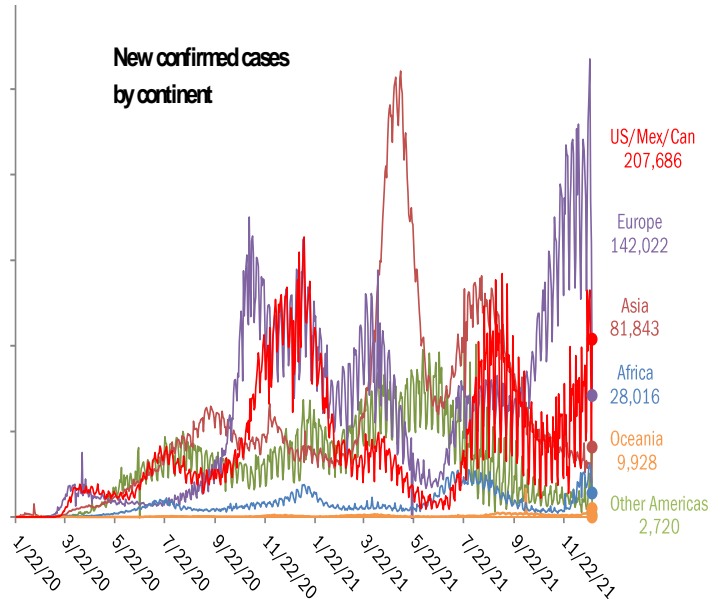
Data Insights: Covid-2019 Monitor

Monday, December 27, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	199,786	Russia	942
Turkey	40,608	Turkey	318
France	27,697	India	315
Italy	24,882	Vietnam	207
Russia	23,543	Ukraine	164
Vietnam	15,218	France	96
Netherlands	12,204	United States	94
Ireland	10,404	Italy	81
Germany	10,172	Greece	79
Australia	9,884	Georgia	69
374,398		2,365	
World	490,053	World	3,416
Top ten	76%	Top ten	69%



Source: [Johns Hopkins](#), TrendMacro calculations

For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

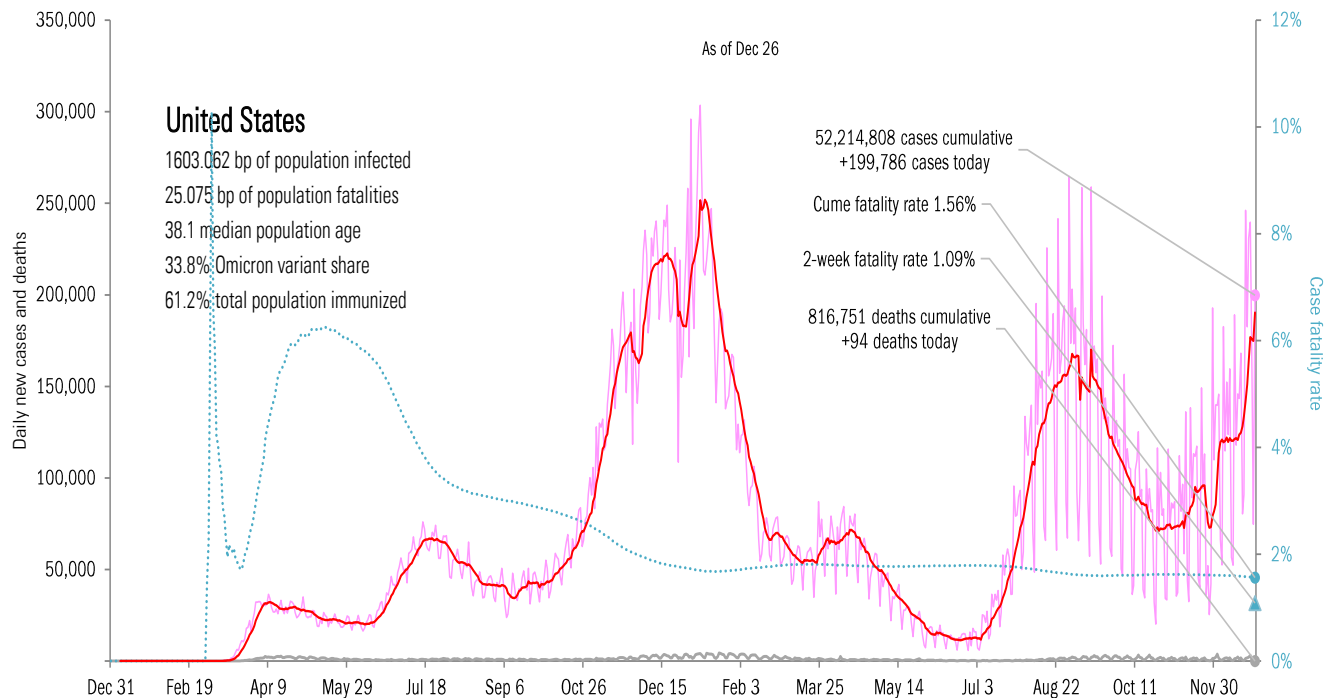
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use		
NY	82,350		TN	69		FL	236		CA	5,310,698		CA	76,139		TX	395,989		RI	89%		RI	94%
MD	25,035		NY	43		TX	231		TX	4,476,910		TX	75,322		CA	330,812		MN	83%		NM	88%
CH	20,917		FL	18		NY	226		FL	3,841,702		FL	62,489		FL	330,733		MD	83%		NH	88%
CA	20,794		CA	13		GA	221		NY	3,184,372		NY	58,980		NY	186,381		CT	80%		MI	87%
FL	17,838		AR	8		CA	167		IL	2,021,302		PA	36,050		GA	167,957		WA	79%		MO	85%
NJ	14,159		NJ	7		NJ	132		PA	1,954,488		GA	31,209		CH	151,038		MA	79%		MN	85%
PA	6,839		MO	4		CO	116		CH	1,931,908		IL	29,868		PA	139,953		MI	79%		KY	85%
FR	6,620		MP	2		IL	109		GA	1,733,600		NJ	28,861		IL	122,491		AZ	77%		NV	84%
MO	2,238		AK	0		CH	71		MI	1,645,578		CH	28,720		KY	119,229		PA	76%		CK	84%
DE	1,264		AL	0		LA	52		NC	1,607,378		MI	28,345		MI	115,312		MO	76%		IN	84%
198,054			164			1,561			27,707,936			455,983			2,059,895							
All states	199,786		163			1,800			All states	52,214,808		816,751			3,723,052			All states	70%	67%		
Top ten	99%		101%			87%			Top ten	53%		56%			55%			Median	71%	76%		

Some states not reporting

Five most improved US states

Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
FR -10,634	FL -106	NC -199	MP +30 bp
NJ -5,322	AZ -71	IN -60	DC +20 bp
AZ -3,151	AR -6	KS -28	ME +20 bp
PA -3,017	H -4	ME -28	WY +10 bp
H -1,591	FR -3	WA -20	ND +10 bp



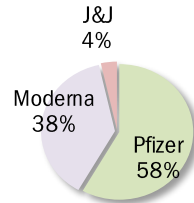
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Because of the Christmas holiday, the CDC did not update its vaccine database.

Administered	Cumulative	One dose	% Pop	Immune	% pop	New immune today
Doses	513,377,812					+1.310 million
Boosters	65,466,868					
Total population	247,490,310	247,490,310	74%	209,872,215	63%	+0.076 million
Age 12 to 17	15,052,720	15,052,720	63%	12,685,111	53%	+0.017 million
Age 18 to 64	167,576,818	167,576,818	82%	142,939,633	70%	+0.045 million
Age 65 and over	57,498,823	57,498,823	100%	49,552,985	90%	+0.146 million

Country	One dose	Immune
UK	69.2%	72.8%
France	72.6%	77.9%
Spain	80.9%	84.3%
Germany	70.1%	73.1%
Italy	73.8%	79.7%
Australia	76.3%	79.1%
Israel	63.1%	69.9%
Canada	77.1%	83.1%
Japan	78.1%	79.5%
Africa	8.8%	14.4%
India	40.5%	59.8%
Brazil	66.7%	77.5%
China	82.6%	84.8%



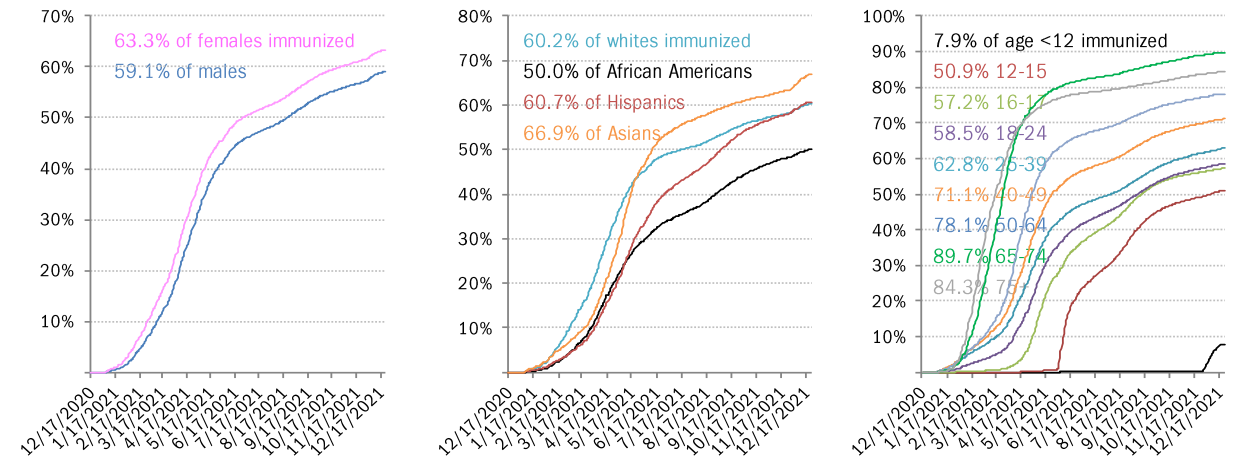
State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

Every American >18 immunized in **254 days** by Sep 2, 2022
 74.5% of population >18 immunized
 18.2% previously tested positive
92.8% vs 60% adult herd immunity

Global data differs due to sources, timing

State	One dose	Immune
AK	64.7%	56.1%
HI	86.1%	63.2%
WI	67.8%	61.7%
ME	85.2%	75.5%
NY	82.9%	71.3%
VT	88.7%	76.9%
NH	95.0%	66.9%
OR	73.7%	66.2%
NV	68.9%	56.1%
WY	55.5%	47.3%
SD	70.3%	56.7%
IA	64.5%	58.7%
IN	57.6%	51.8%
OH	60.1%	55.0%
PA	77.3%	63.5%
NJ	82.8%	70.1%
MA	89.8%	74.2%
CA	82.0%	65.7%
UT	66.9%	58.4%
CO	74.0%	65.8%
NE	66.0%	59.5%
MO	62.0%	52.8%
KY	62.1%	54.0%
WV	61.6%	54.8%
VA	78.4%	67.6%
MD	79.8%	70.1%
CT	87.8%	74.3%
RI	87.8%	75.9%
AZ	66.7%	56.7%
NM	80.2%	65.9%
KS	68.7%	56.6%
AR	62.3%	50.9%
TN	58.4%	51.1%
NC	75.4%	56.4%
SC	62.3%	52.9%
DC	87.3%	67.2%
DE	76.1%	63.9%
OK	65.4%	53.2%
LA	57.0%	50.0%
MS	55.2%	48.0%
AL	58.1%	47.3%
GA	60.7%	50.6%
TX	66.3%	56.6%
FL	74.0%	63.0%
PR	88.3%	76.7%

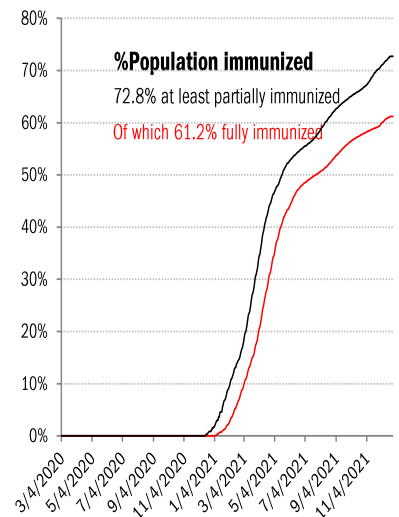
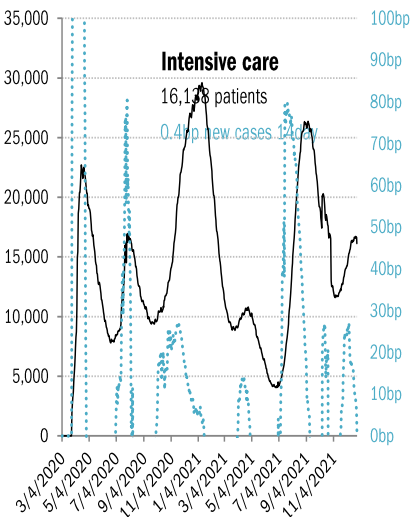
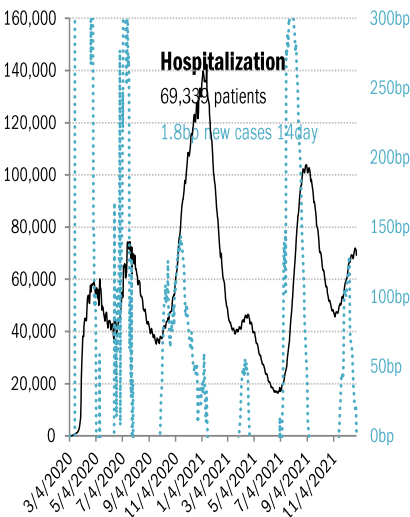
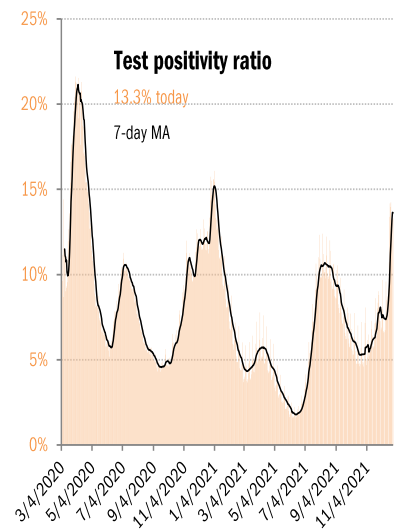
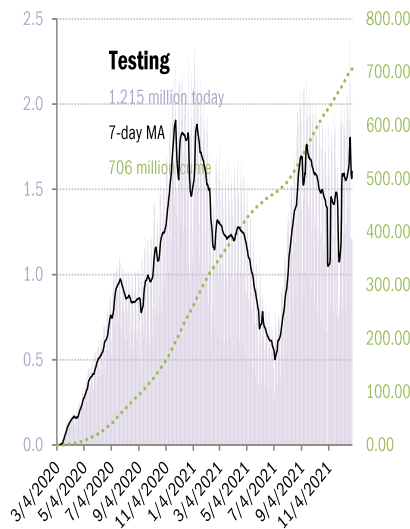
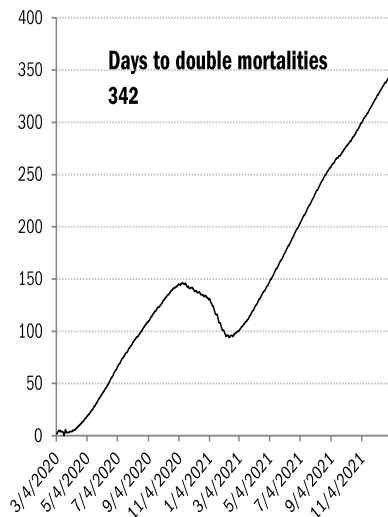
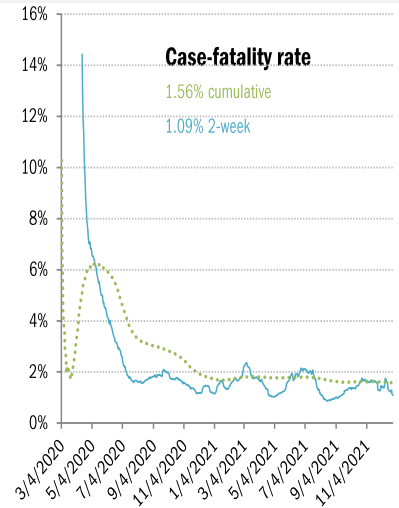
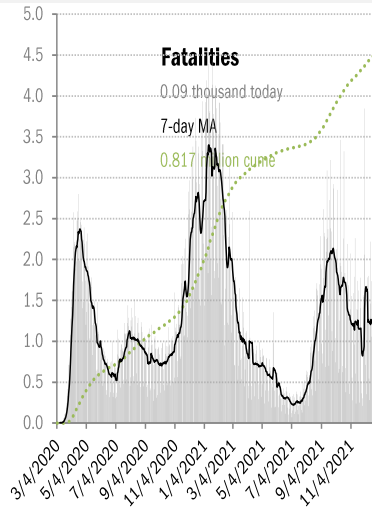
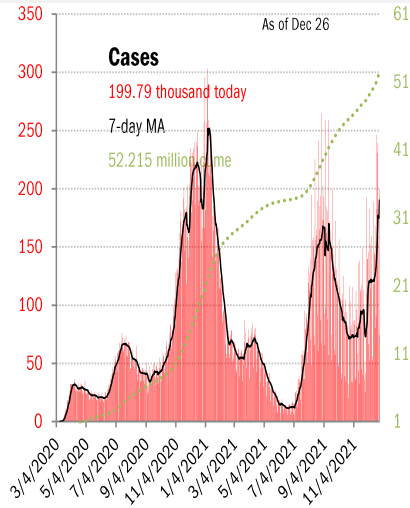
The demographics of US vaccination



Source: CDC, CDC, Our World in Data, TrendMacro calculations

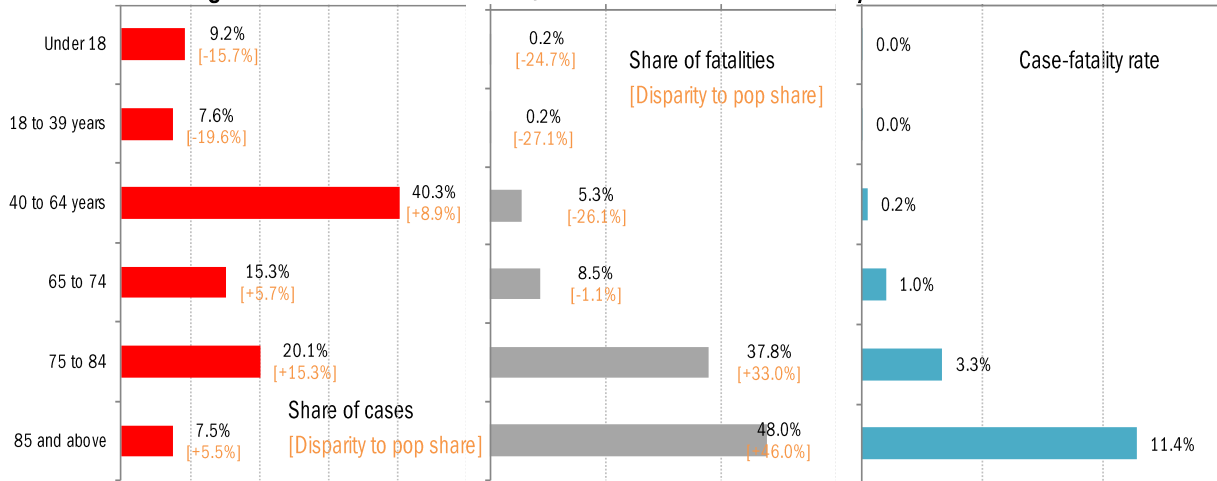
US deep-dive

National and state-by-state data do not line up because of different sources

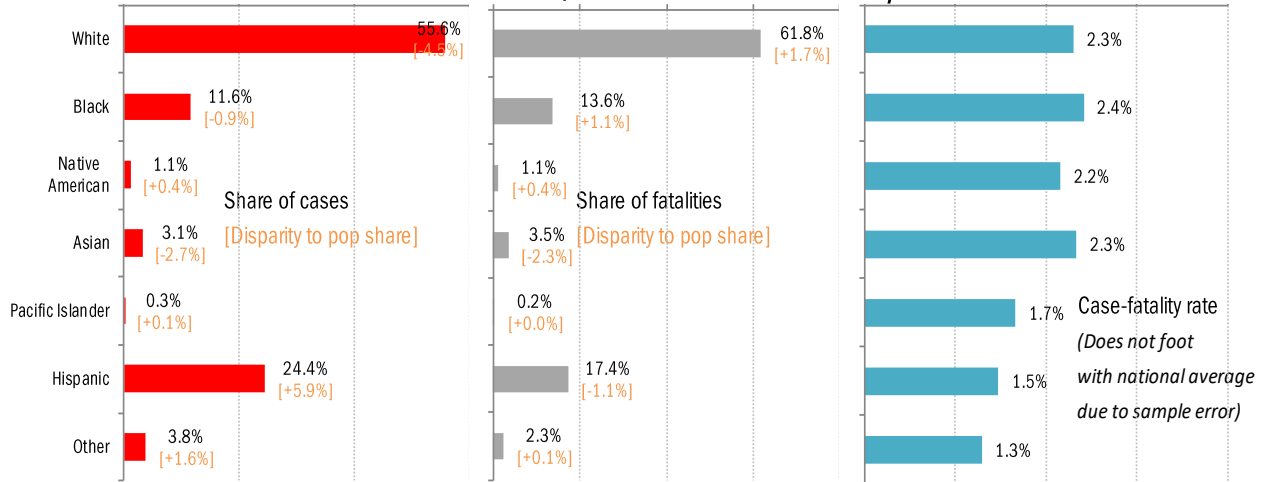


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

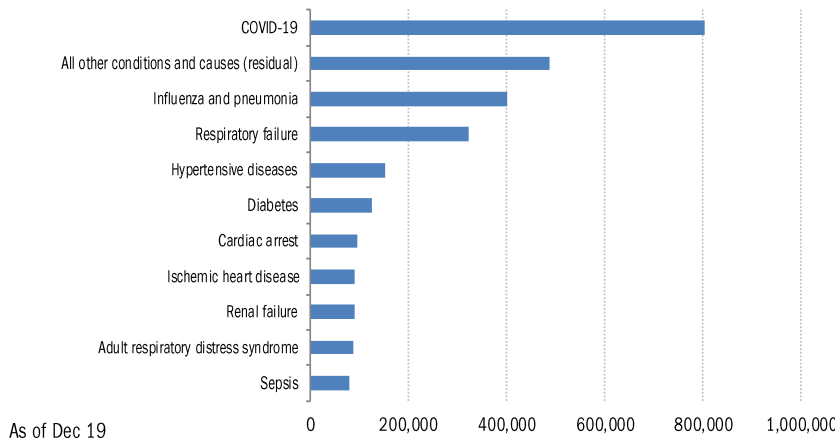


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



For over 5% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Judgment day: Sweden vindicated](#)

Swiss Policy Research

December 23, 2021

[A Myth is Born: How CDC, FDA, and Media Wove a Web of Ivermectin Lies That Outlives The Truth](#)

Michael Capuzzo

RESCUE

December 23, 2021

[First They Fought About Masks. Then Over the Soul of the City.](#)

Sabrina Tavernise

New York Times

December 26, 2021

[We Cannot Stop the Spread of COVID, but We Can End the Pandemic](#)

Jay Bhattacharya

Epoch Times

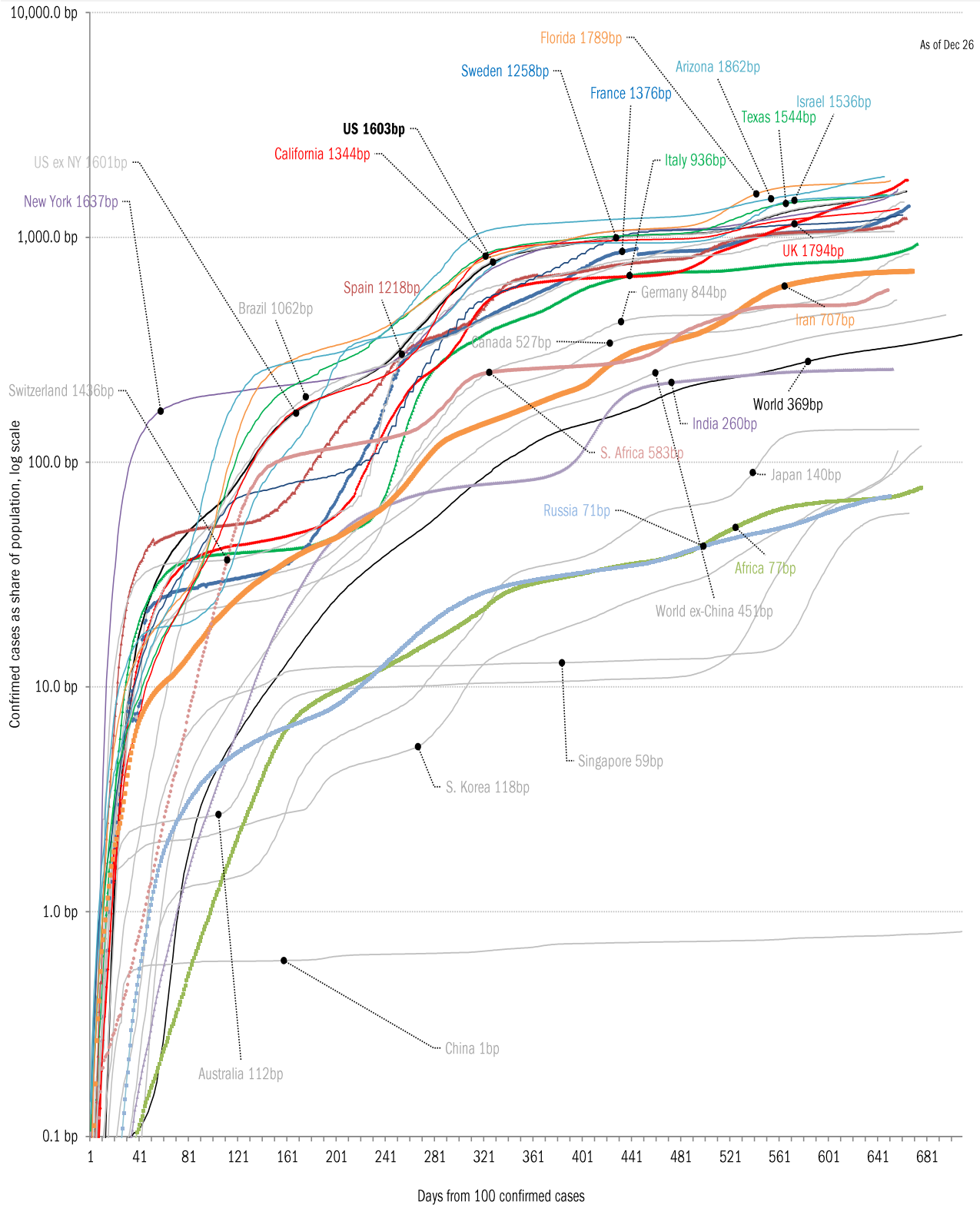
December 23, 2021

Meme of the day



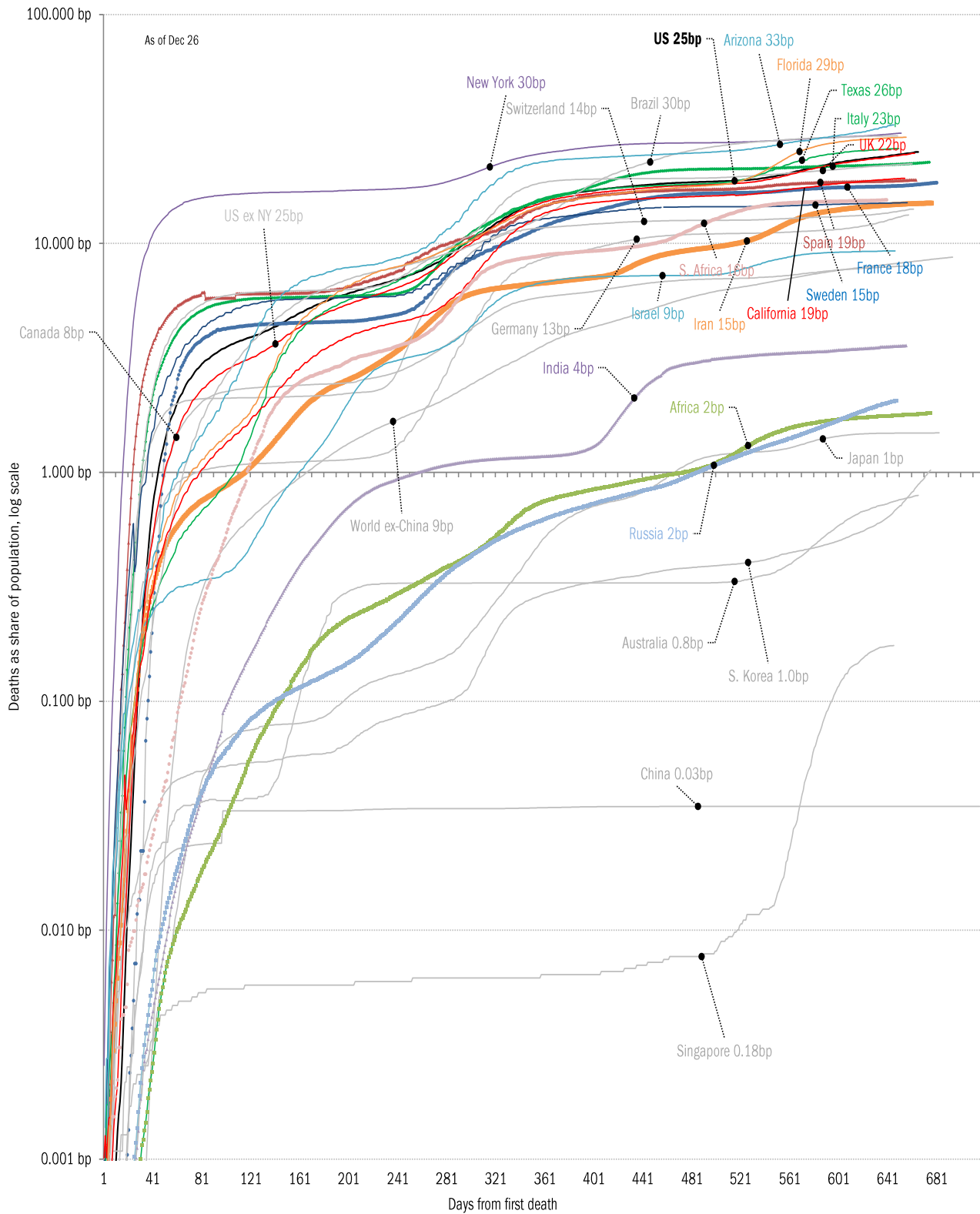
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [Johns Hopkins](#), TrendMacro calculations

The coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality, log scale

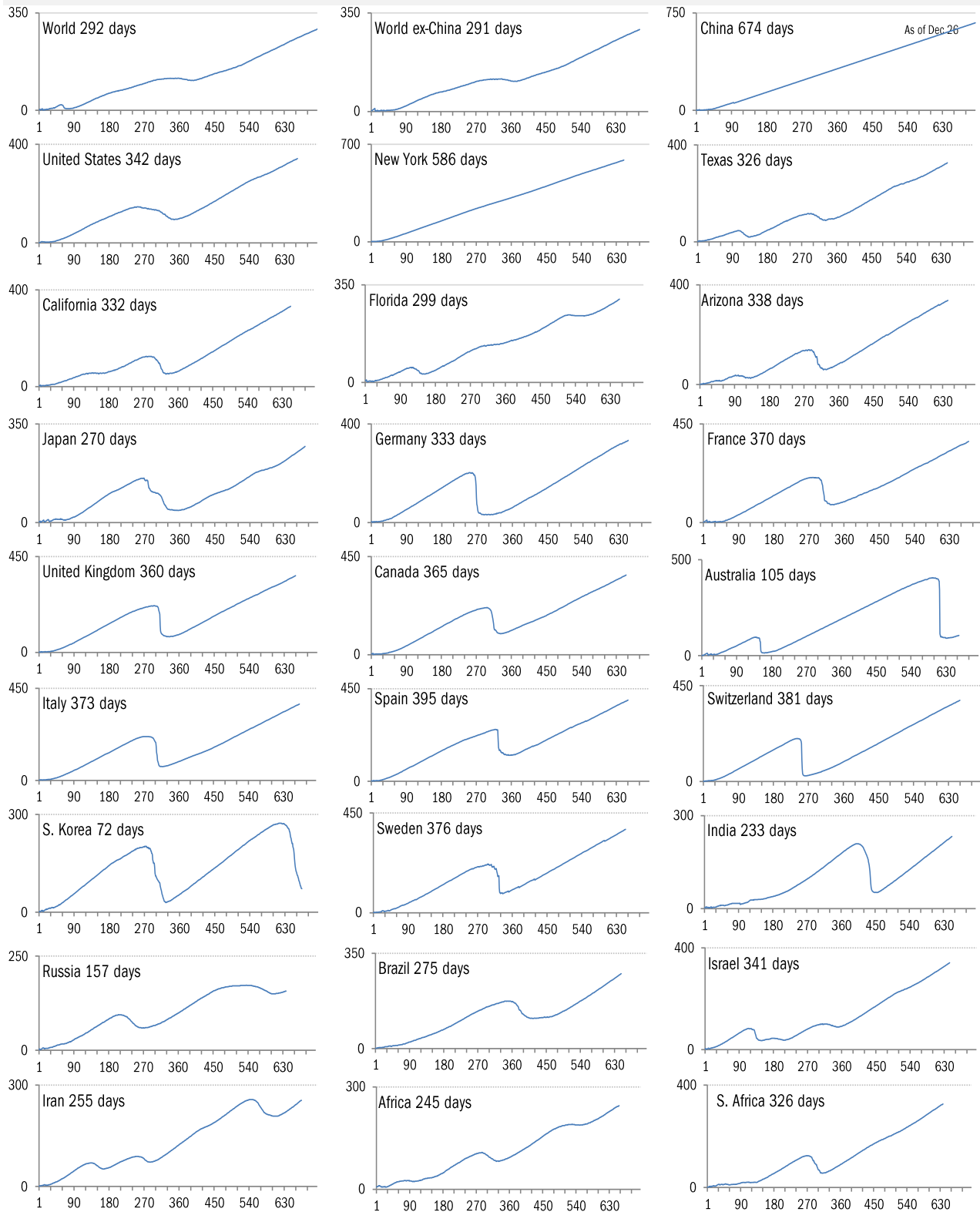


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

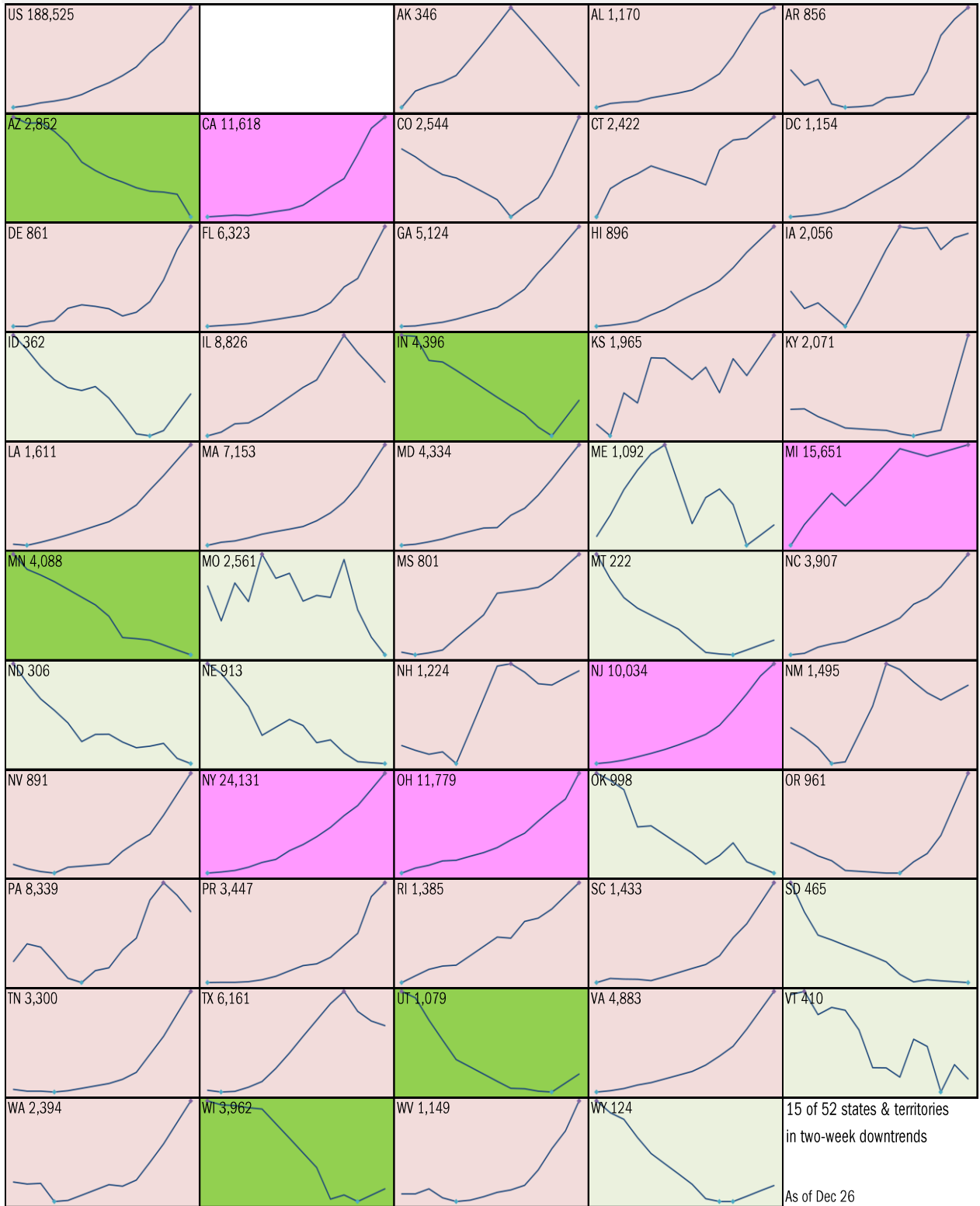
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



Source: [Johns Hopkins](#), TrendMacro calculations

Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst

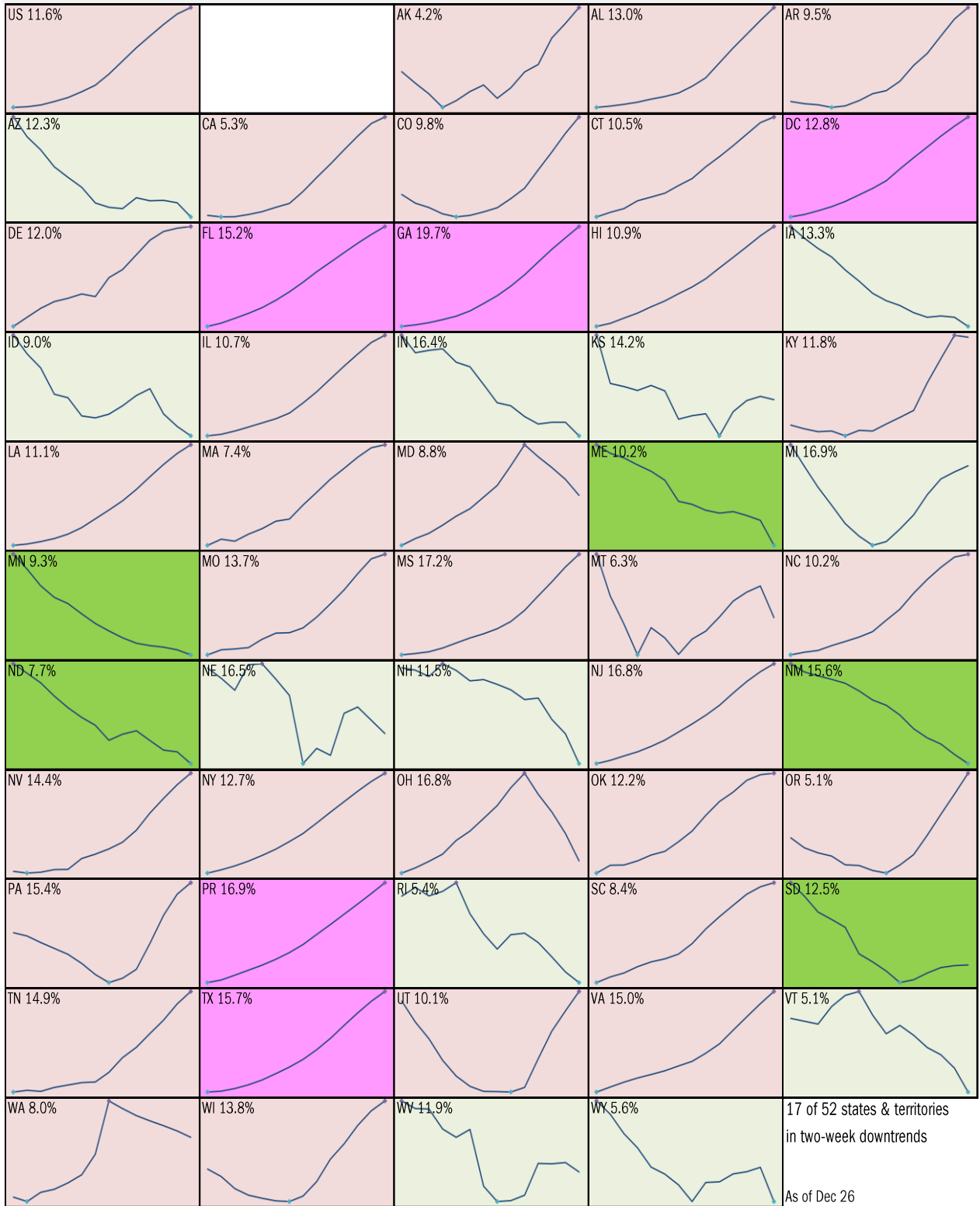


Source: [Johns Hopkins](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day “downward trajectory” in pos tests

14-day moving average, last 14 days Most recent value displayed ● High ● Low

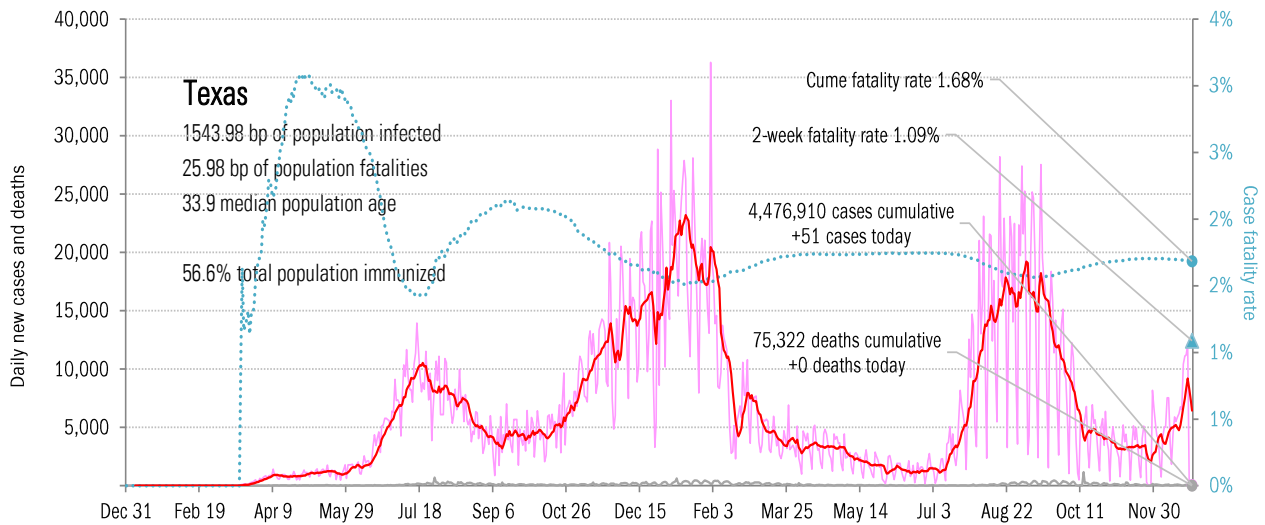
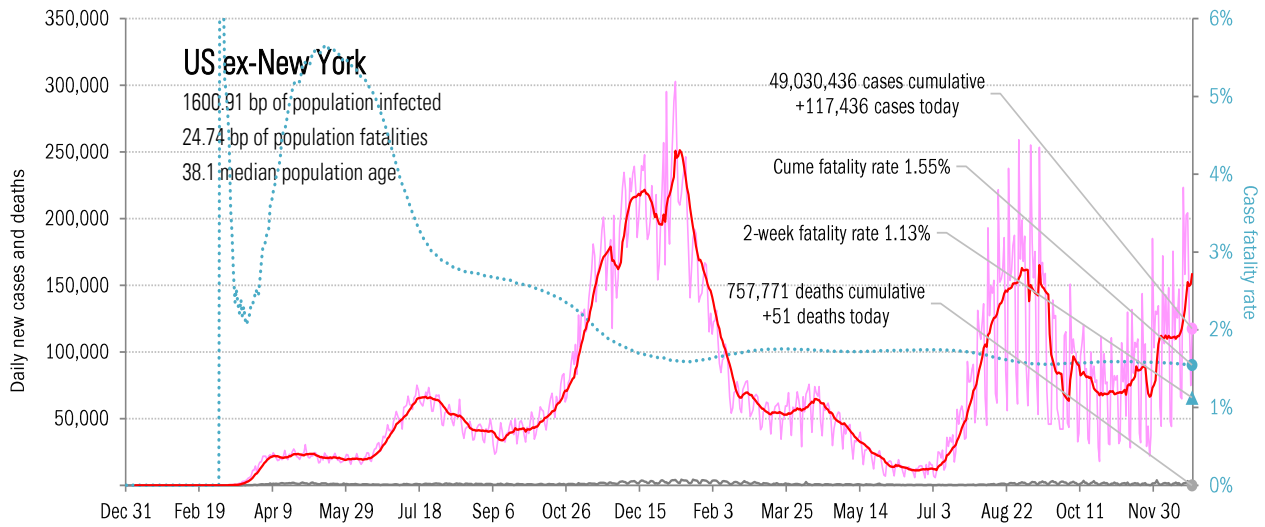
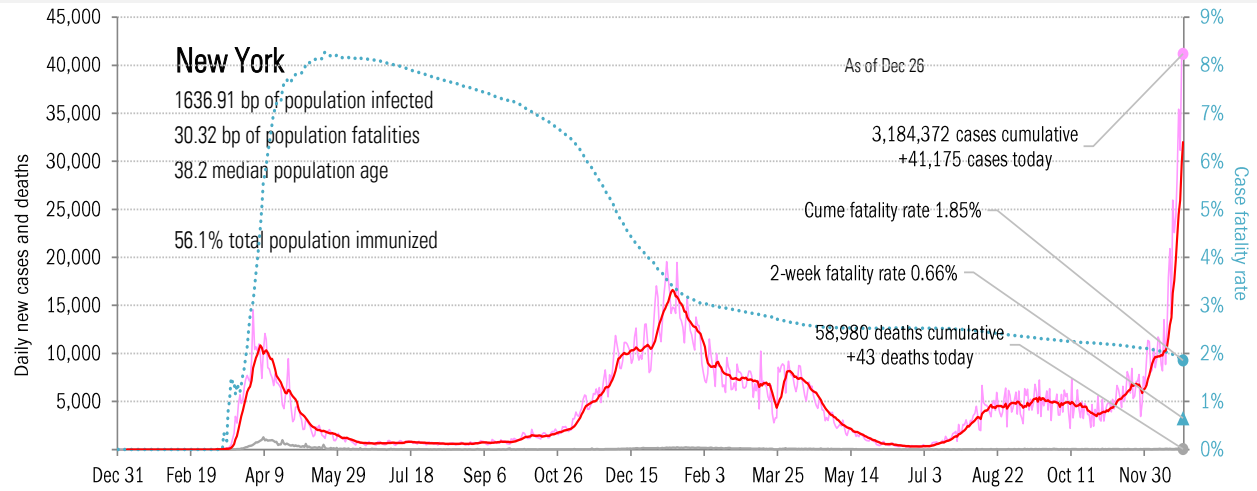
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande

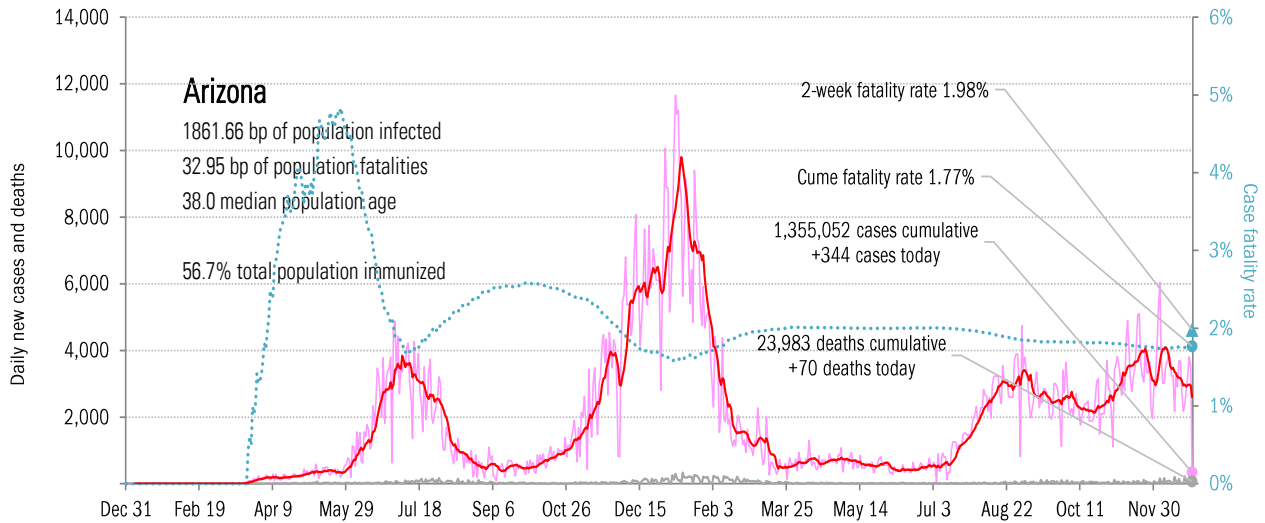
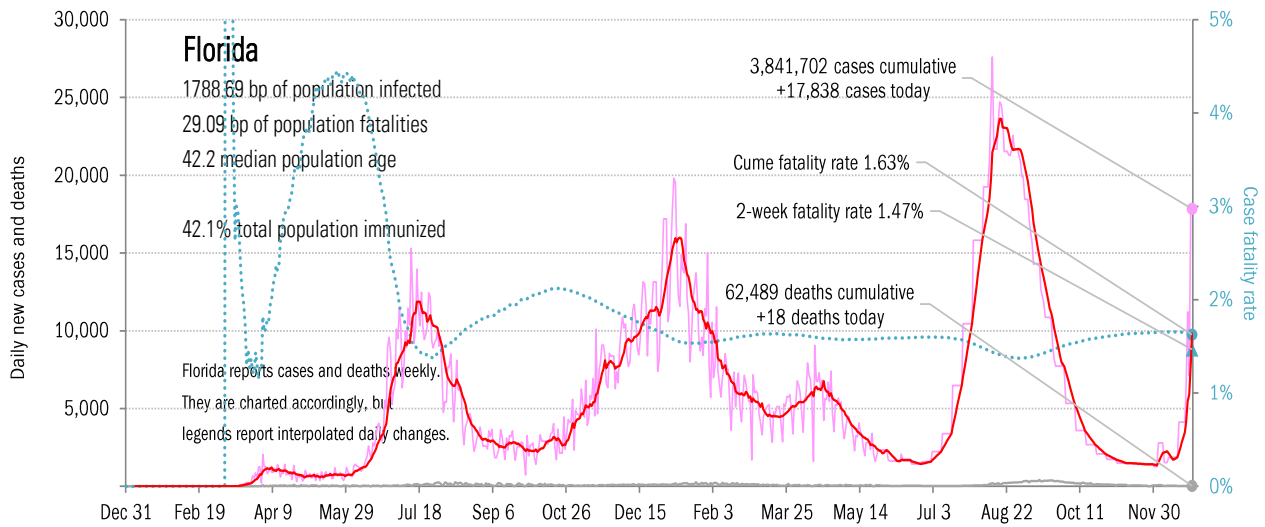
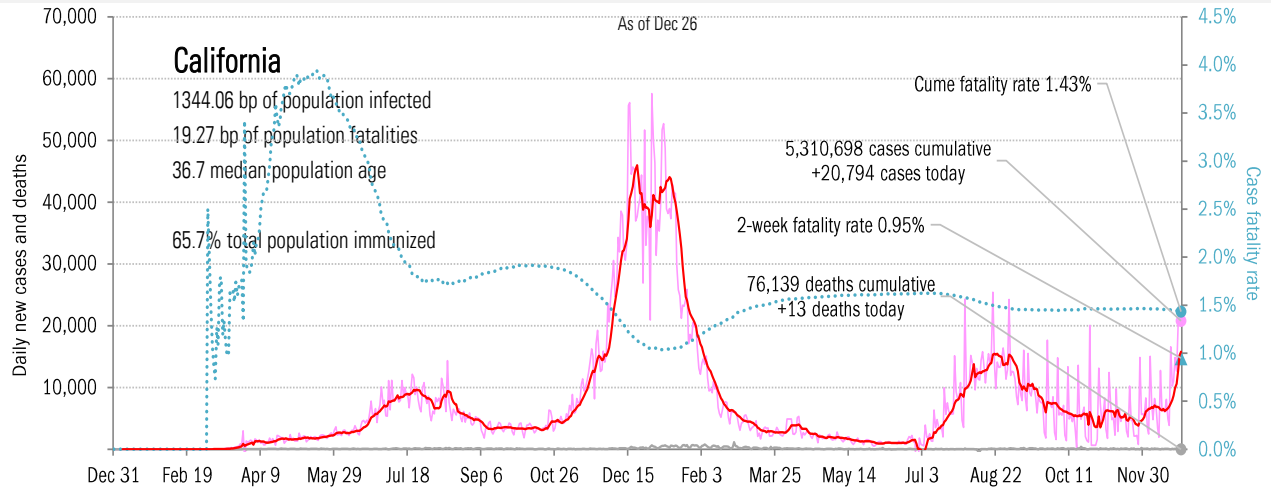
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

The sun-belt hot-spot states (other than Texas)

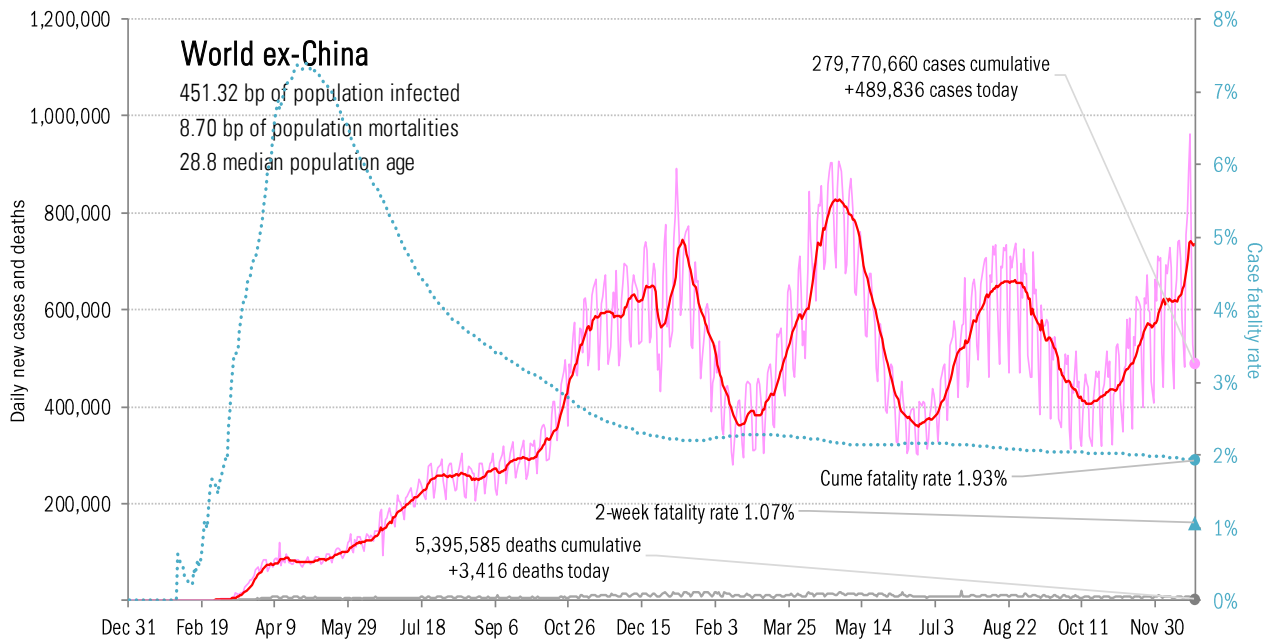
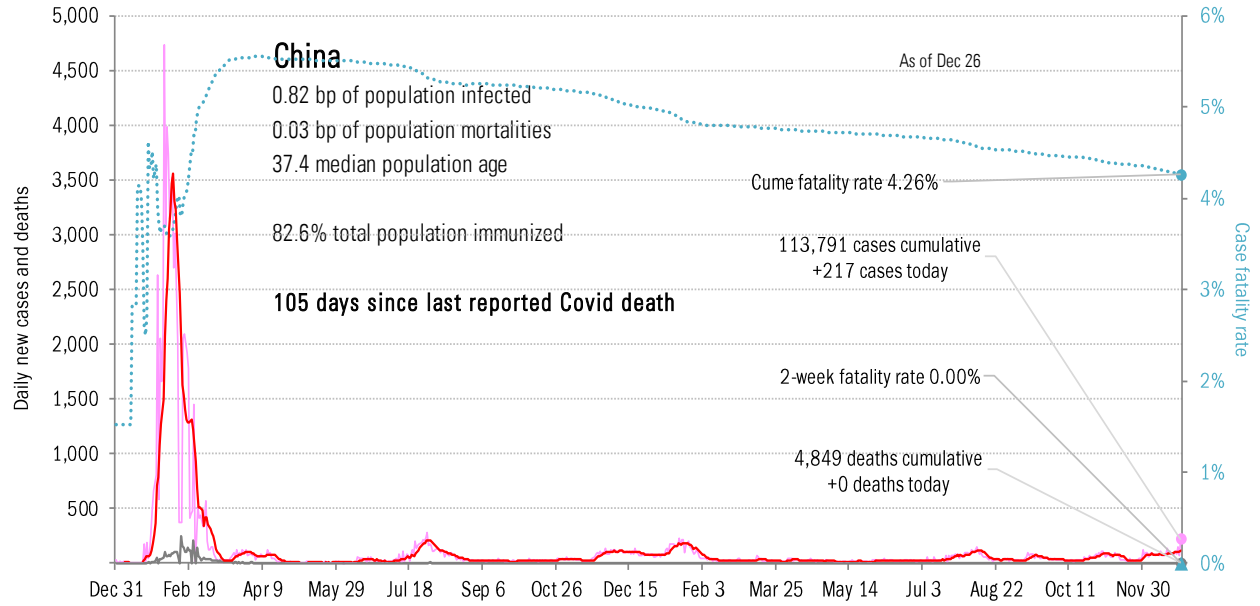
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else

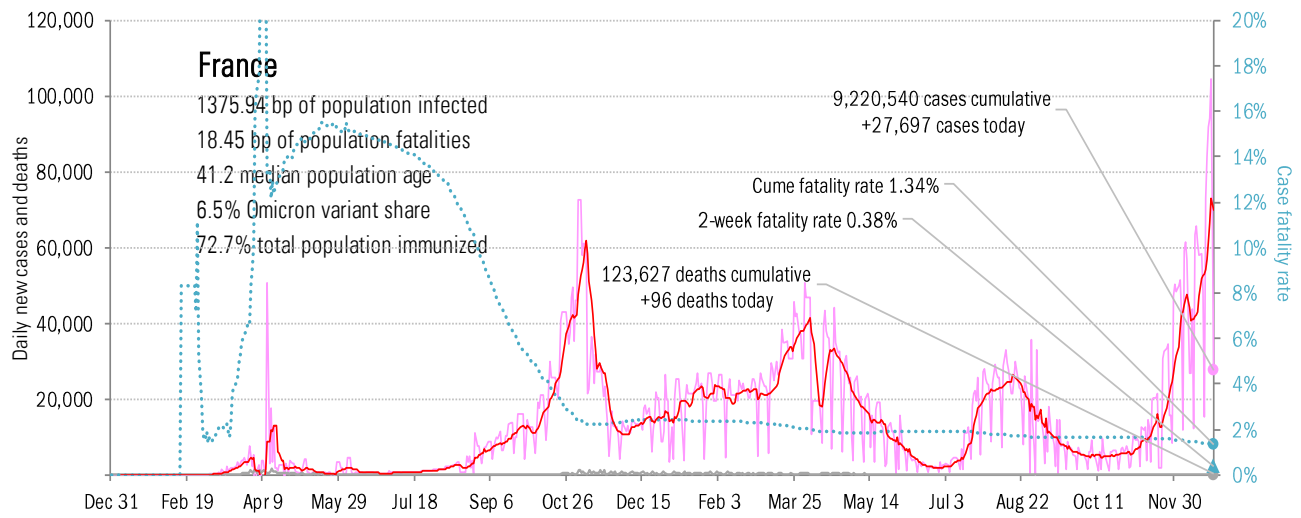
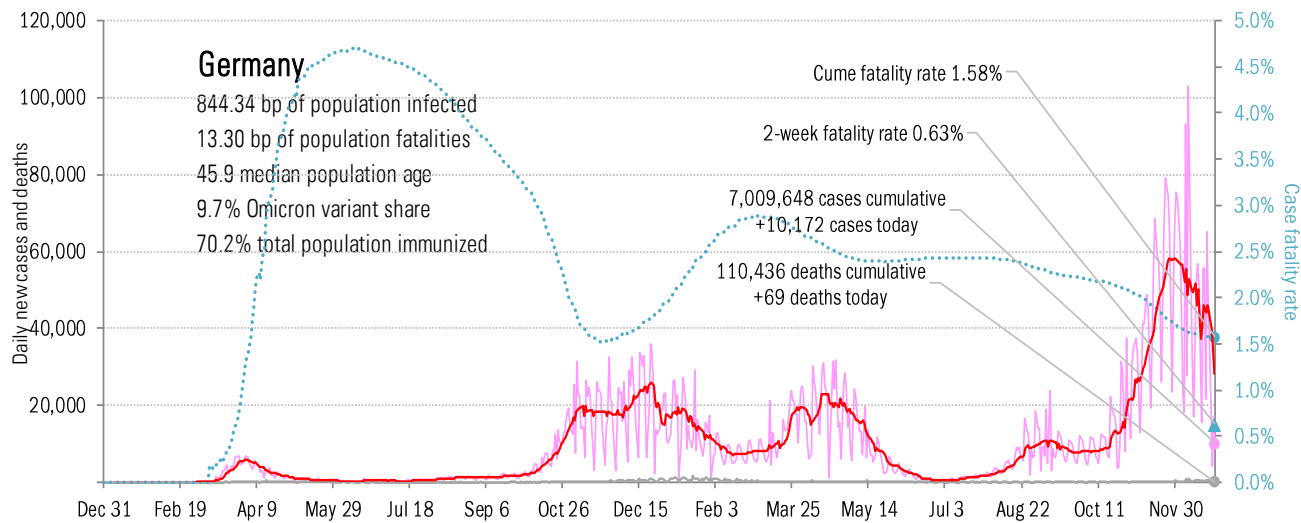
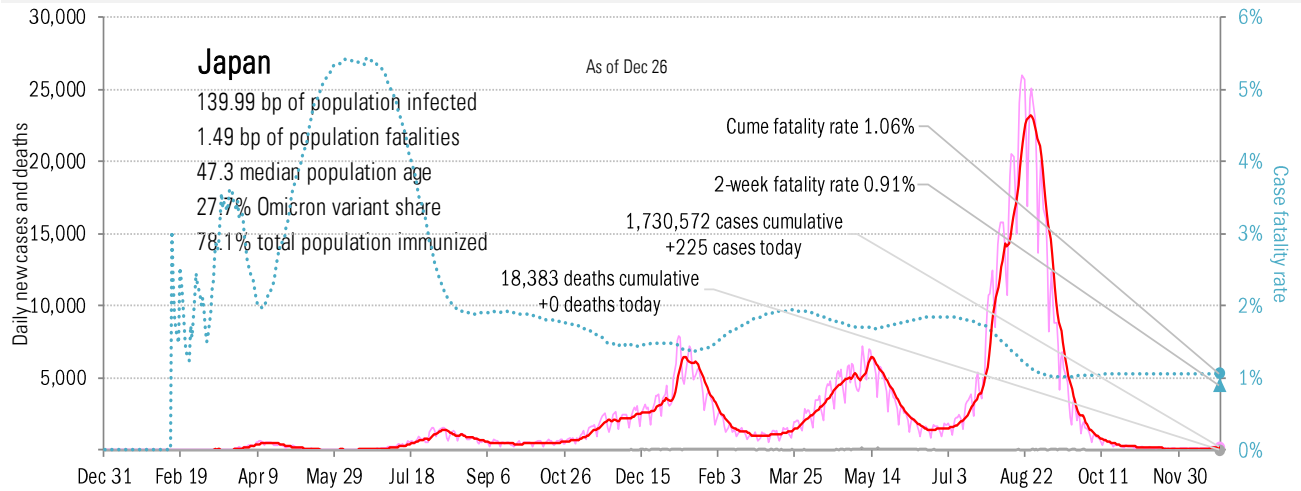
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Impact in the largest economies

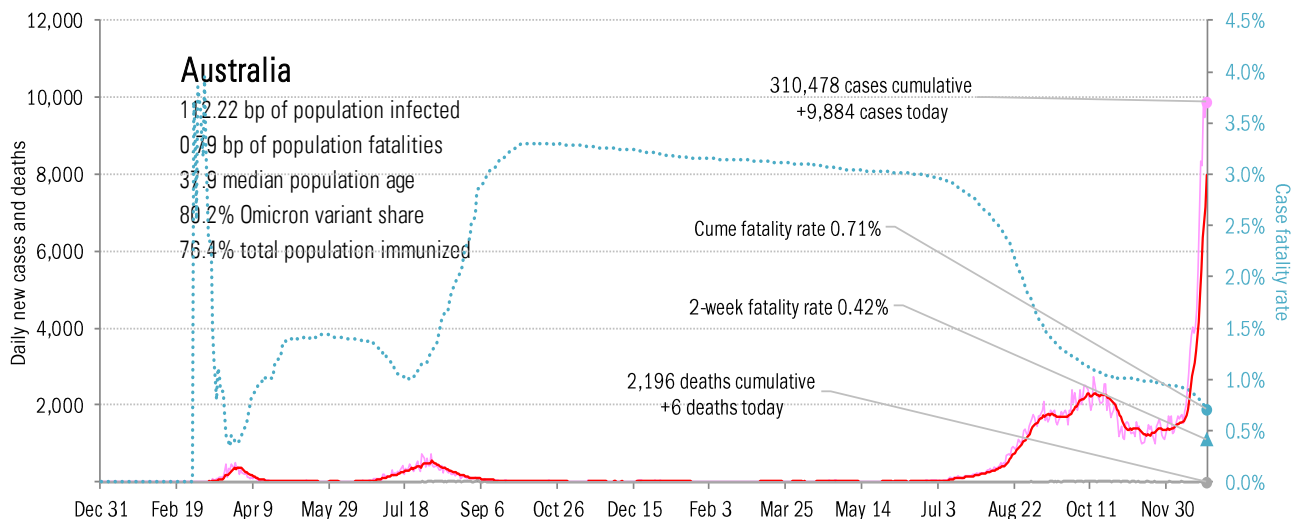
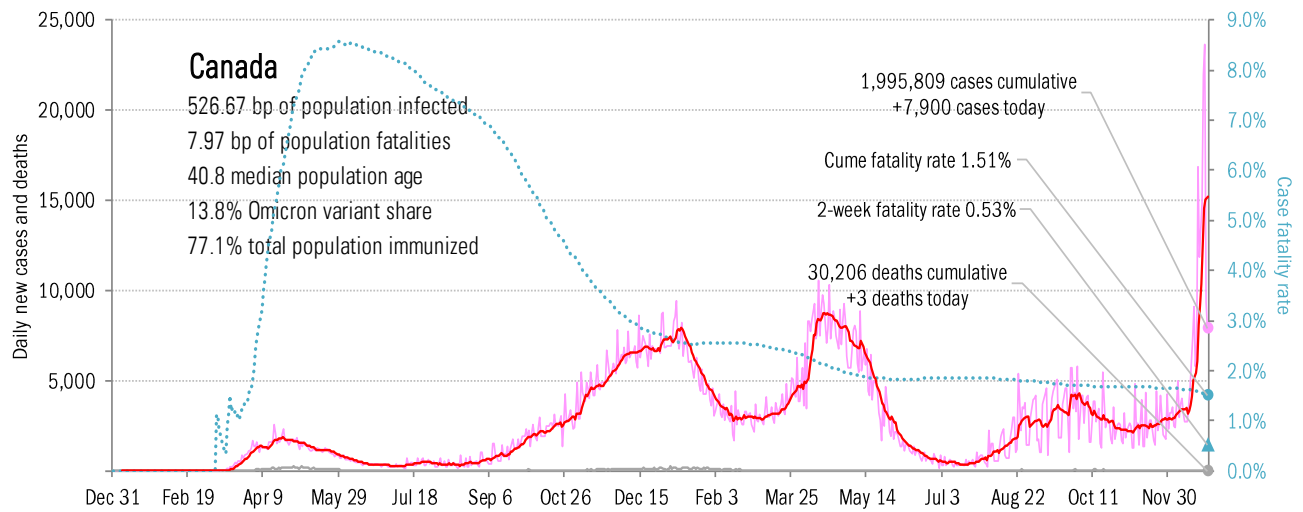
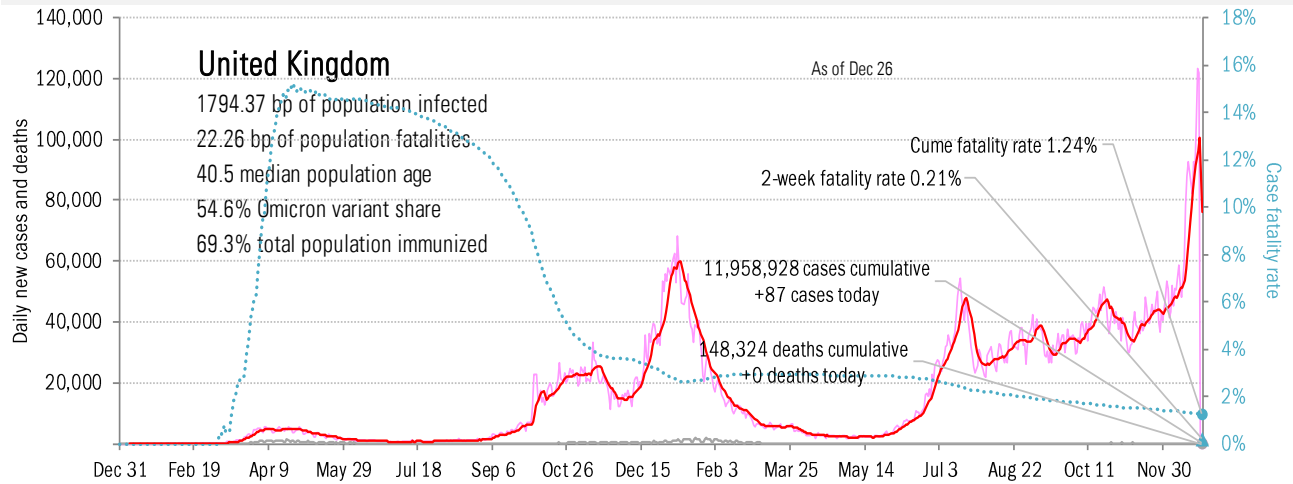
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere

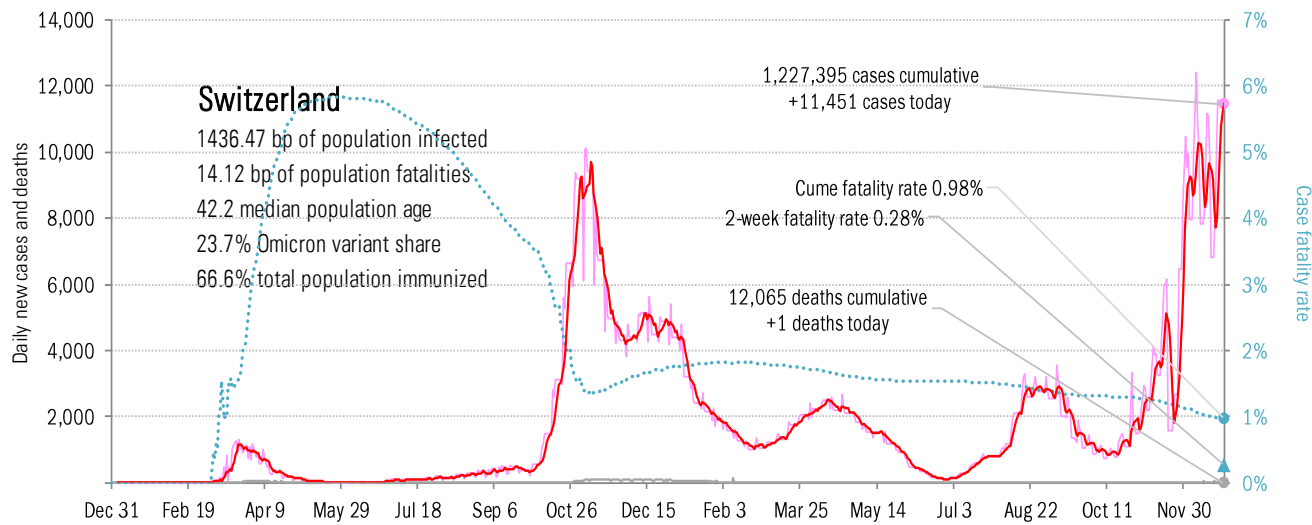
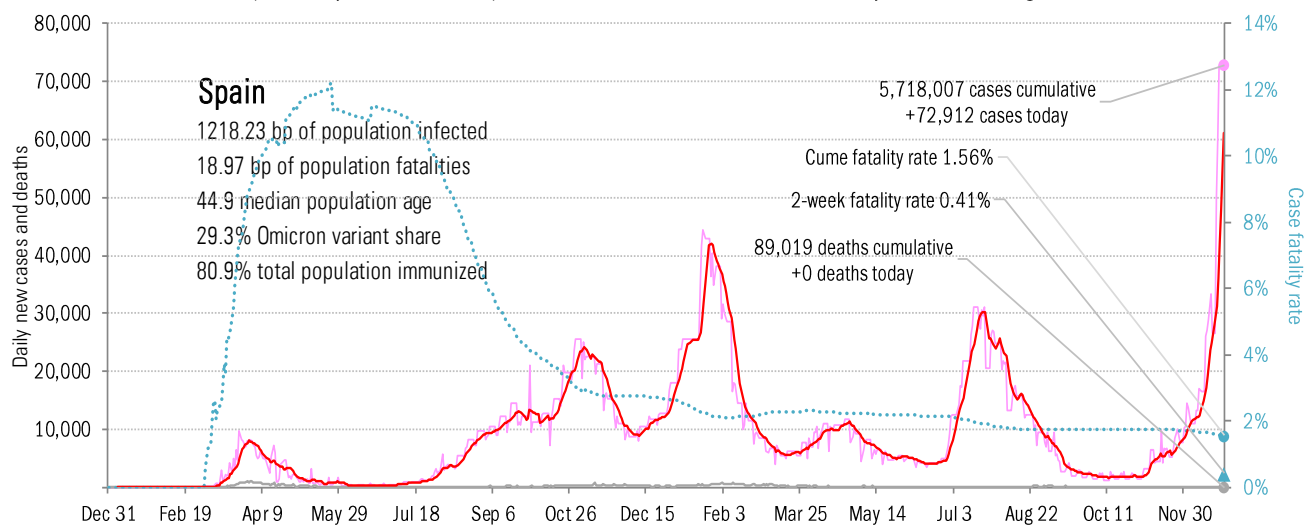
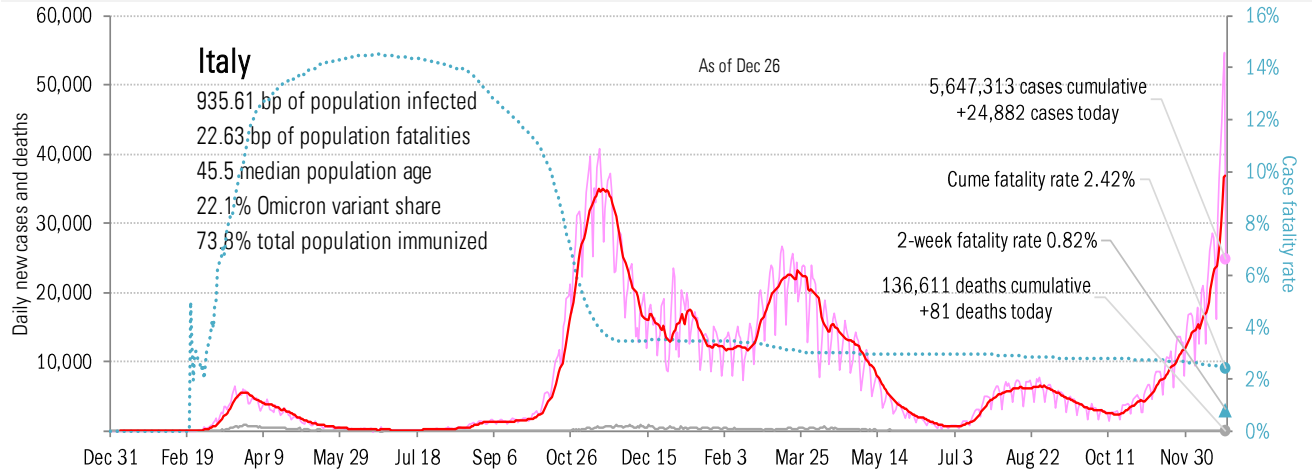
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe

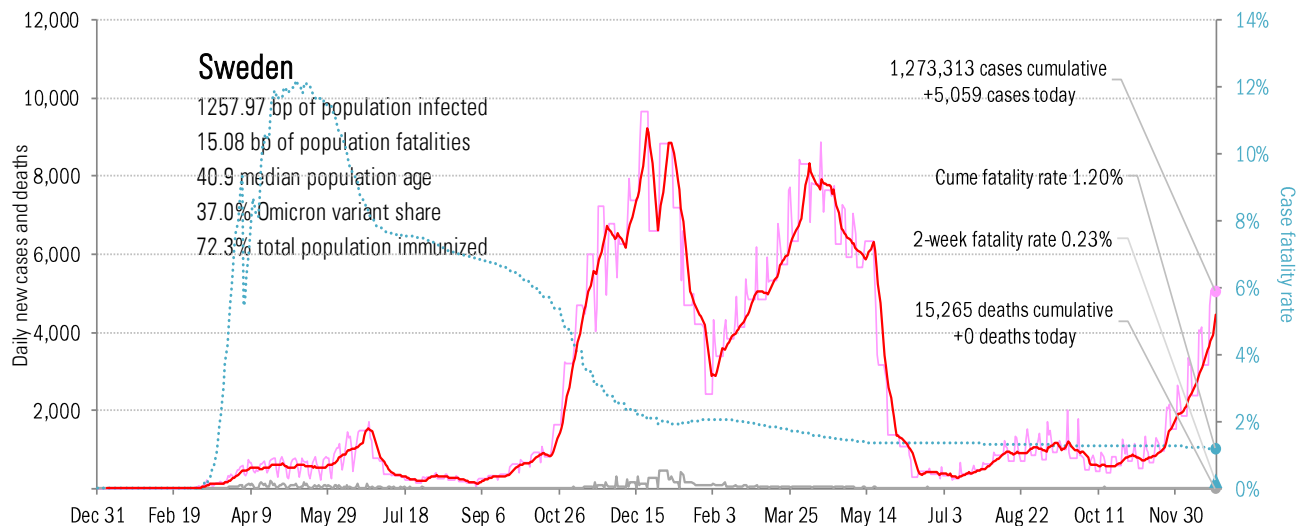
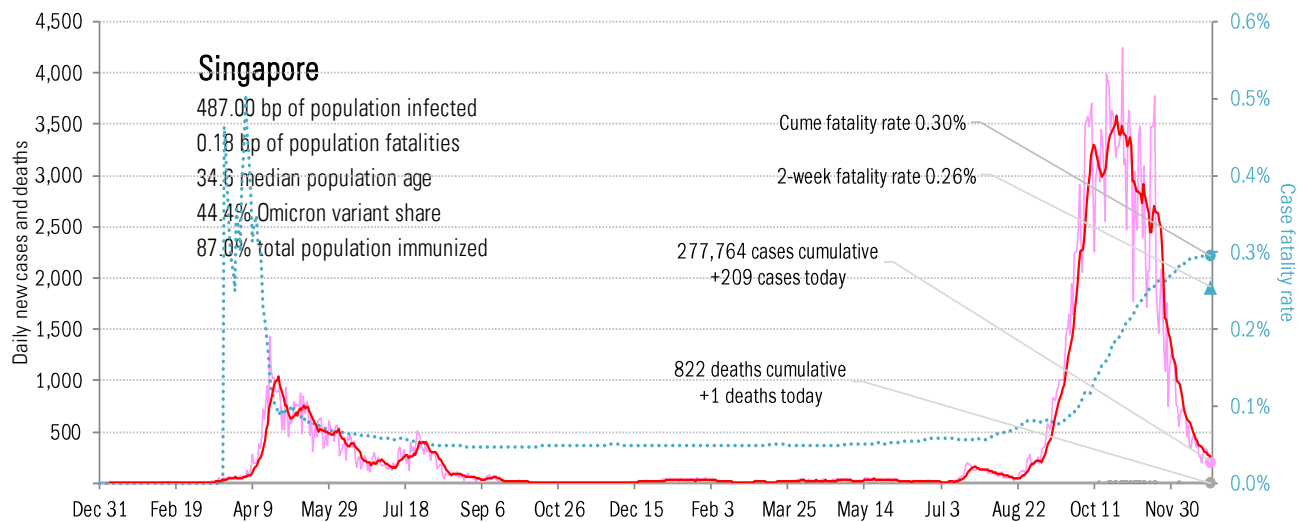
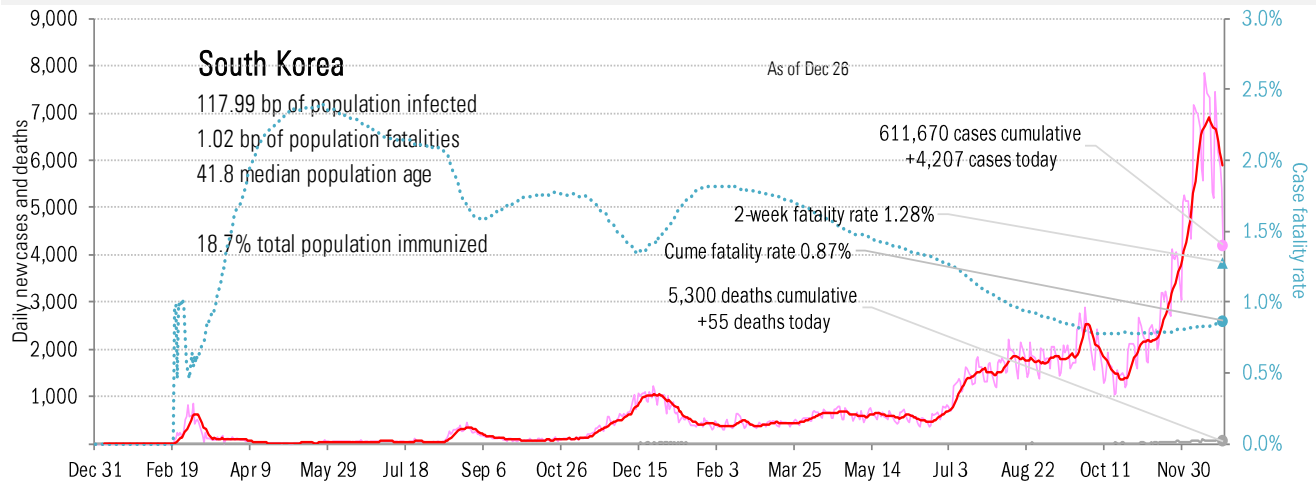
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots

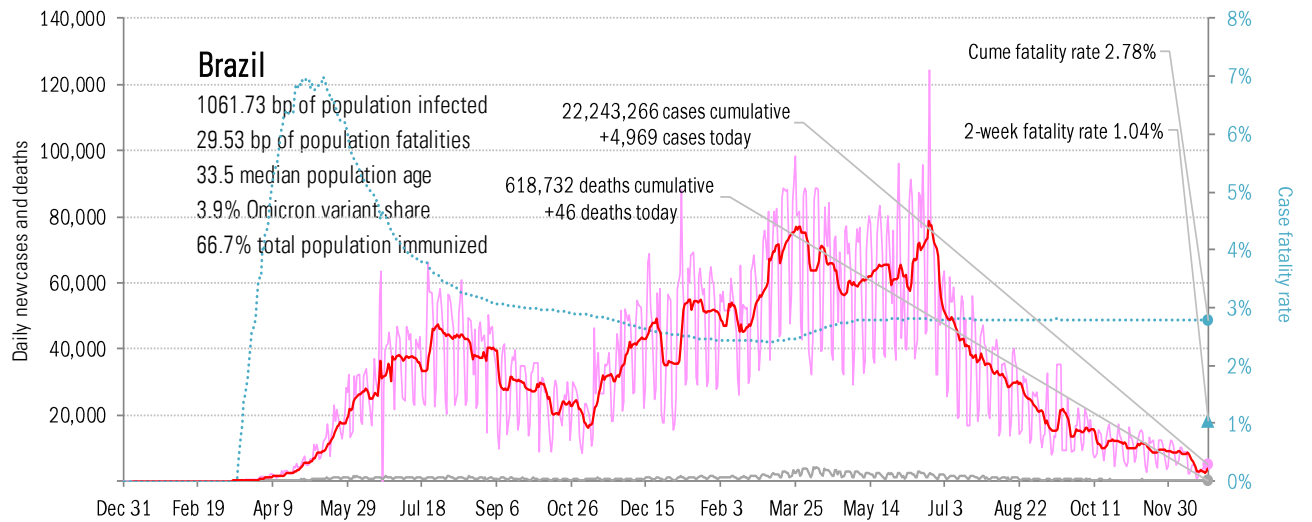
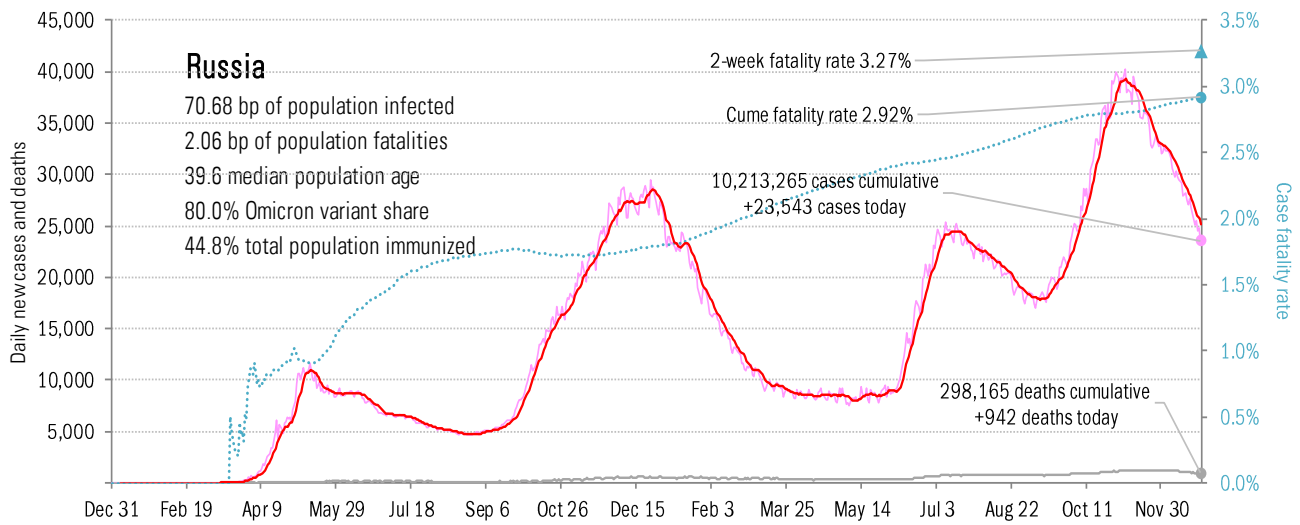
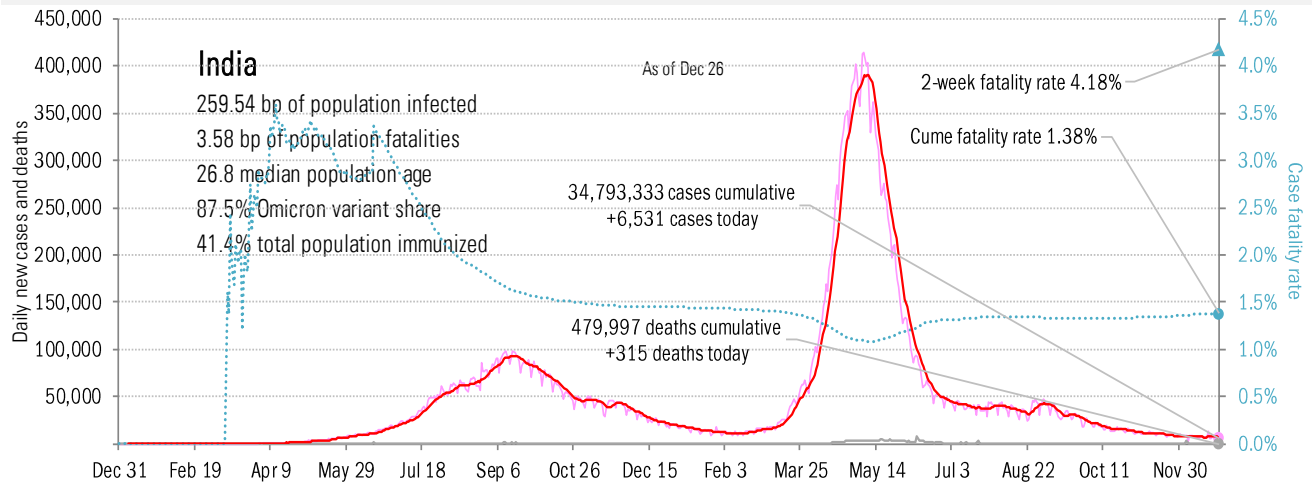
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China

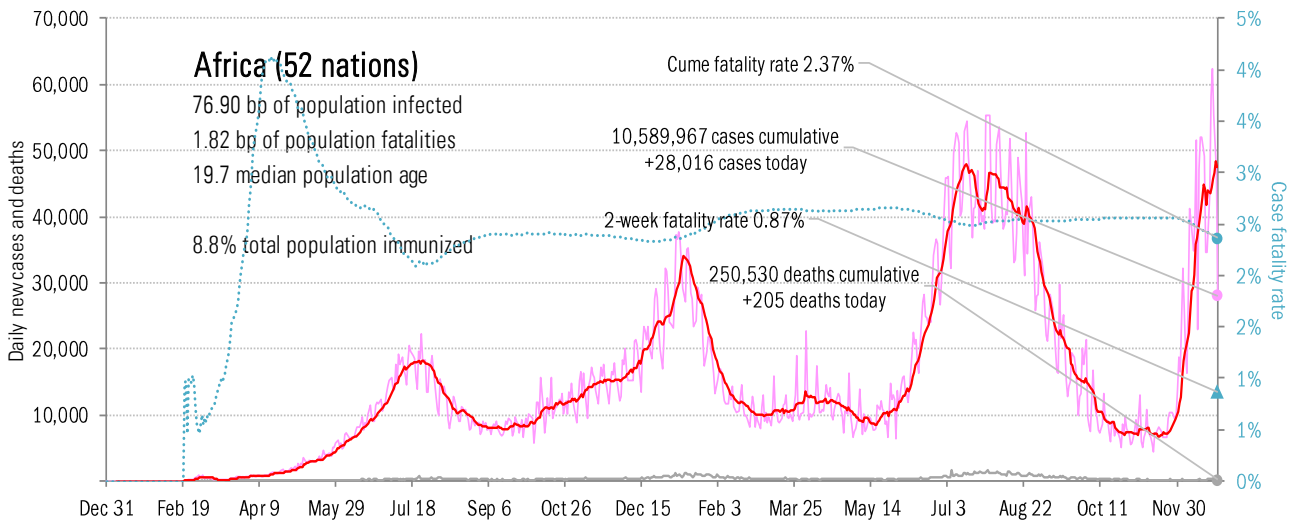
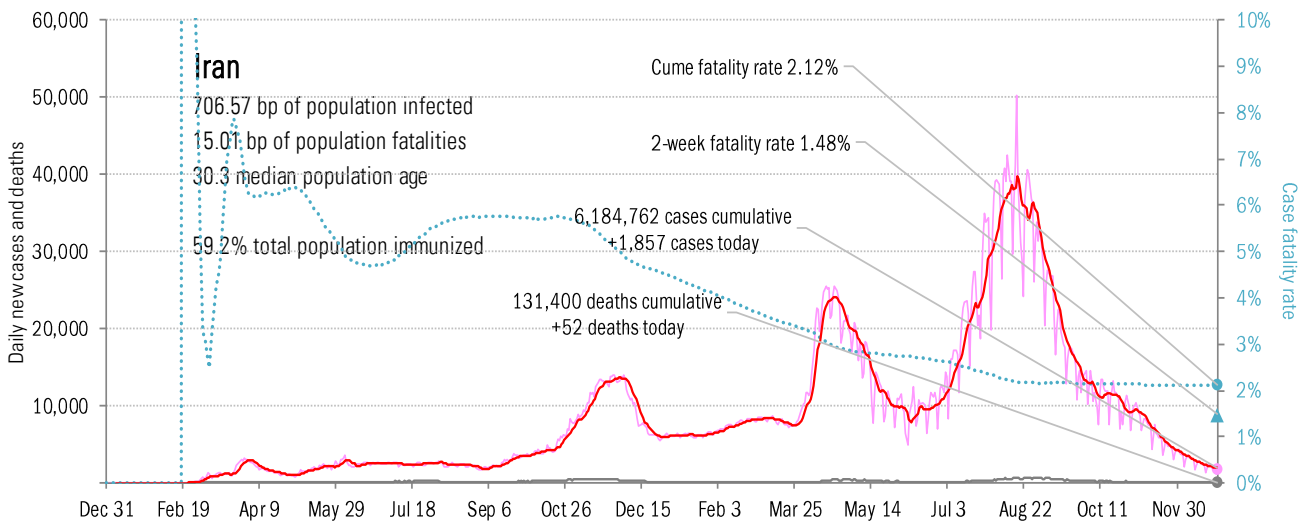
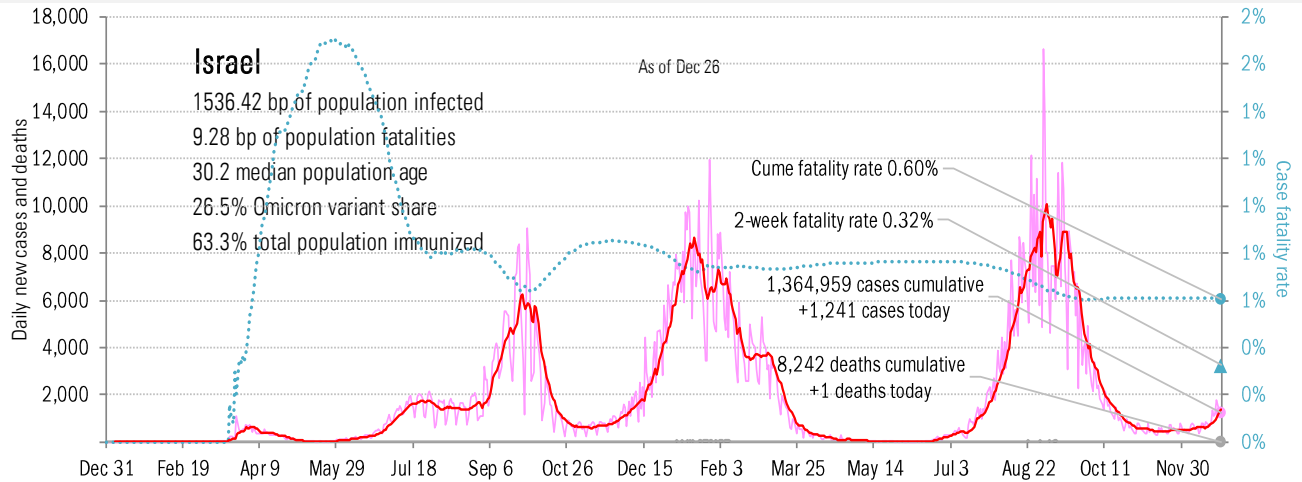
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa

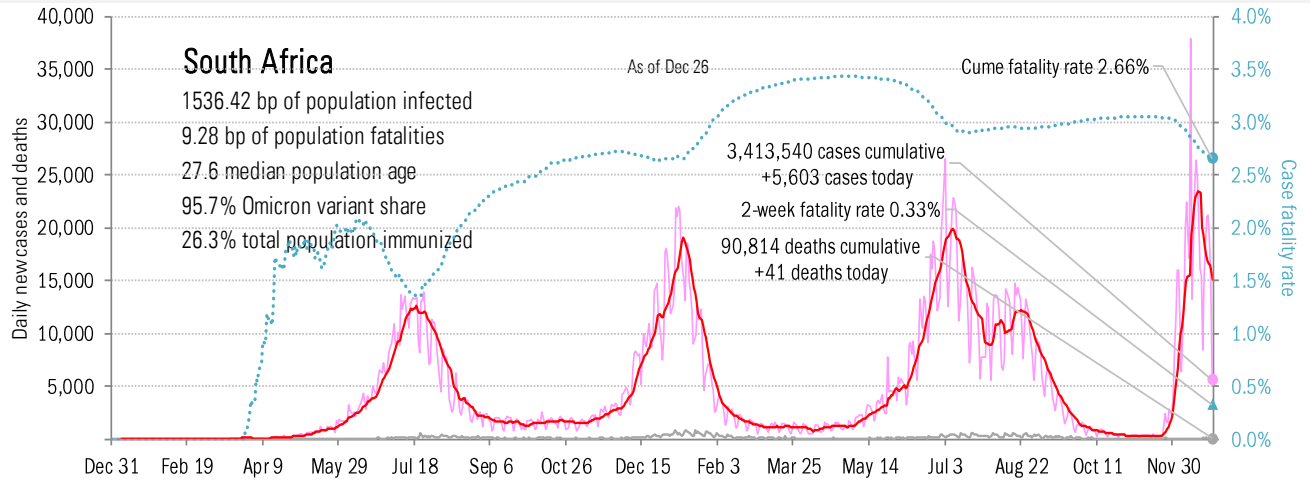
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations