

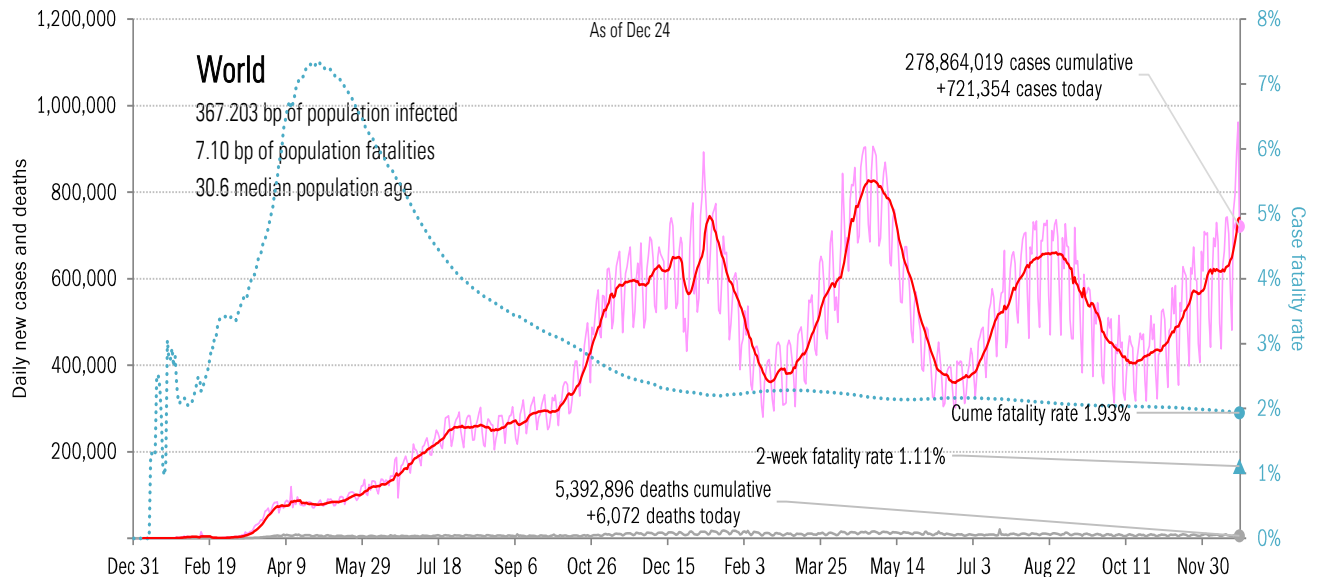
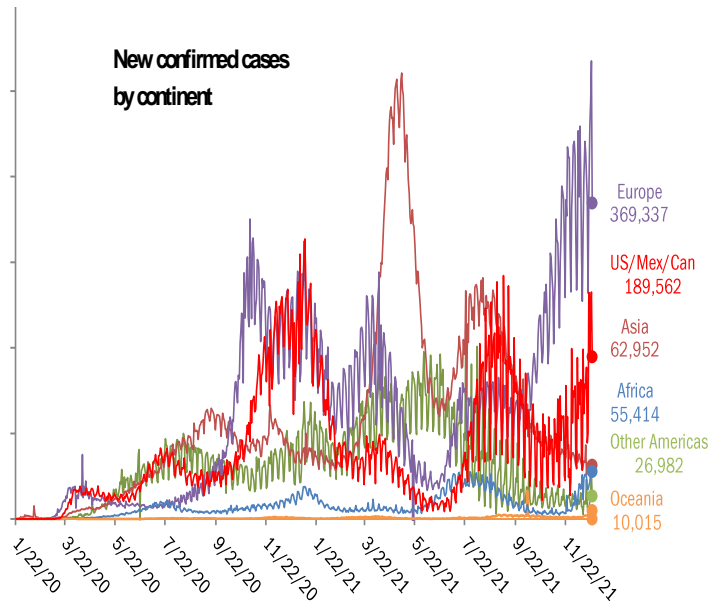
Data Insights: Covid-2019 Monitor

Saturday, December 25, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+ 159,007	United States	+ 1,031
United Kingdom	+ 121,932	Russia	+ 972
France	+ 94,126	Poland	+ 596
Italy	+ 50,590	India	+ 387
Russia	+ 24,522	Mexico	+ 311
Canada	+ 23,672	Ukraine	+ 274
Turkey	+ 18,910	Vietnam	+ 235
South Africa	+ 18,847	France	+ 167
Argentina	+ 16,279	Brazil	+ 163
Vietnam	+ 16,157	Germany	+ 155
+ 544,042		+ 4,291	
World	+ 721,354	World	+ 6,072
Top ten	75%	Top ten	71%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

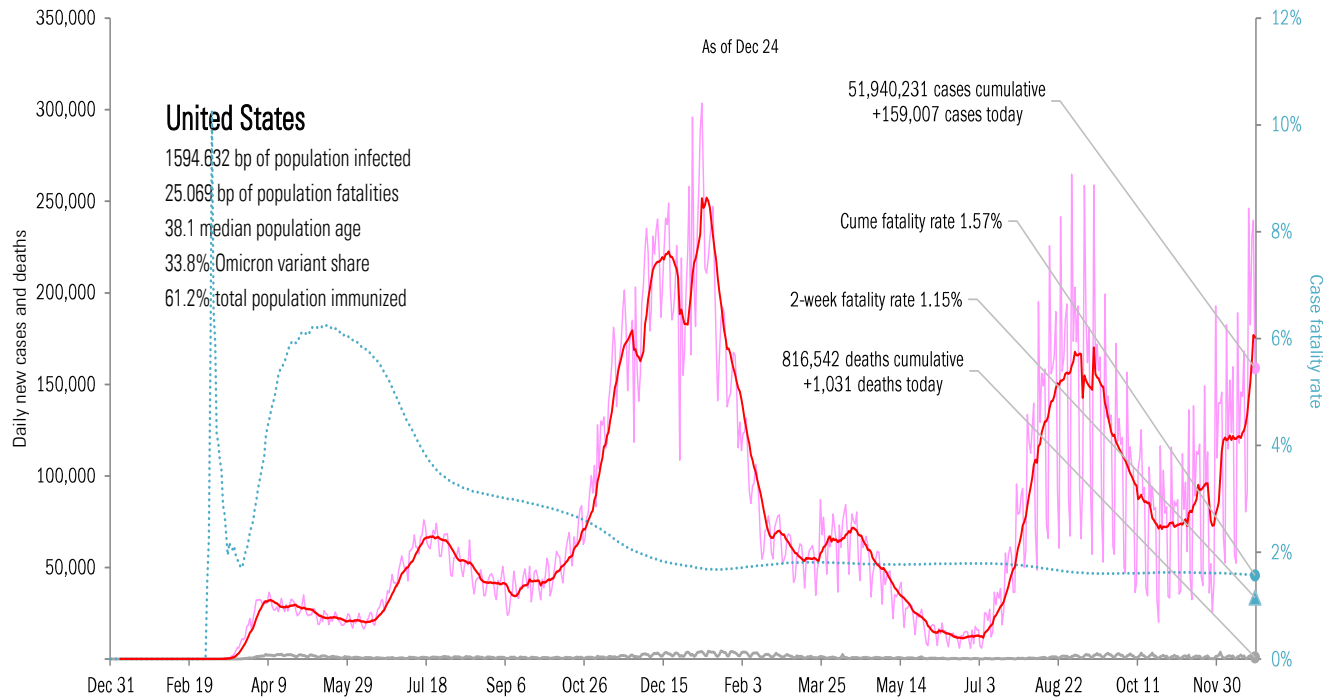
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
NY	+31,138		CH	+443		FL	+254		CA	5,289,904		CA	76,126		TX	394,734		RI	89%	RI	94%
CA	+20,458		PA	+90		NY	+178		TX	4,476,910		TX	75,322		CA	329,776		MA	85%	NH	91%
NJ	+18,941		AZ	+72		GA	+162		FL	3,806,026		FL	62,453		FL	329,678		MD	84%	TX	90%
CH	+14,414		CA	+72		TX	+137		NY	3,102,022		NY	58,937		NY	185,043		MN	83%	NM	88%
PA	+13,286		TN	+69		NJ	+127		IL	2,021,302		PA	36,050		GA	167,387		AZ	83%	MO	88%
MA	+10,997		WI	+59		IL	+92		PA	1,937,793		GA	31,209		CH	149,827		WA	82%	IN	88%
GA	+9,495		NY	+48		LA	+79		CH	1,910,991		IL	29,868		PA	139,167		PA	82%	KY	87%
VA	+8,756		GA	+40		CO	+61		GA	1,733,600		NJ	28,848		IL	121,408		MI	82%	NE	86%
FL	+7,092		MA	+39		MD	+43		MI	1,645,578		CH	28,720		KY	118,907		GA	82%	MI	86%
CO	+5,132		VA	+37		CA	+40		NC	1,607,378		MI	28,345		MI	114,526		MO	81%	OK	85%
+139,709			+969			+1,173			27,531,504			455,878			2,050,453						
All states	+159,007		+1,100			+1279			All states	51,940,231		816,542			3,705,275			All states	70%	67%	
Top ten	88%		88%			92%			Top ten	53%		56%			55%			Median	76%	79%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
IL	-18,926	FL	-153	CH	-62	MP	+30 bp
TX	-12,102	PA	-87	IN	-50	DC	+20 bp
MD	-6,869	TX	-84	AR	-45	ME	+20 bp
TN	-5,963	IL	-78	PA	-36	WY	+10 bp
FR	-5,712	MN	-62	IA	-33	ND	+10 bp



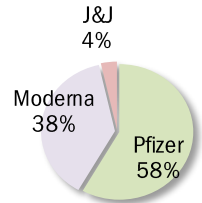
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

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	74%		209,872,215	63%	+0.076 million
Age 12 to 17	15,052,720	63%		12,685,111	53%	+0.017 million
Age 18 to 64	167,576,818	82%		142,939,633	70%	+0.045 million
Age 65 and over	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

AK	64.7%
	56.1%

WI	67.8%
	61.7%

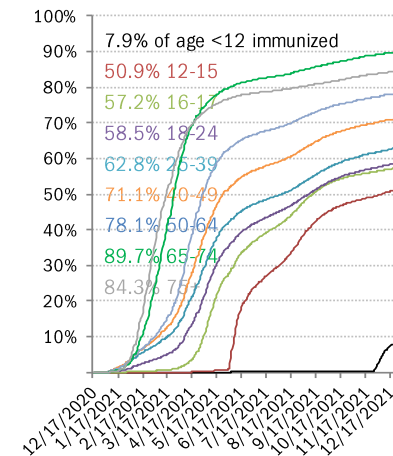
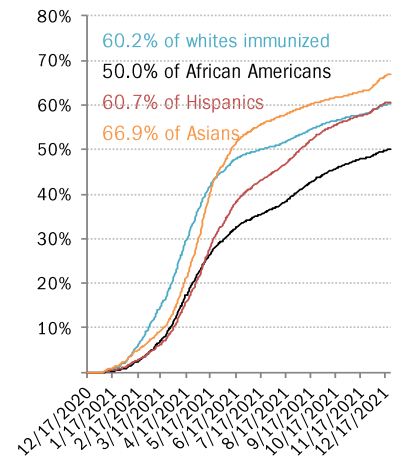
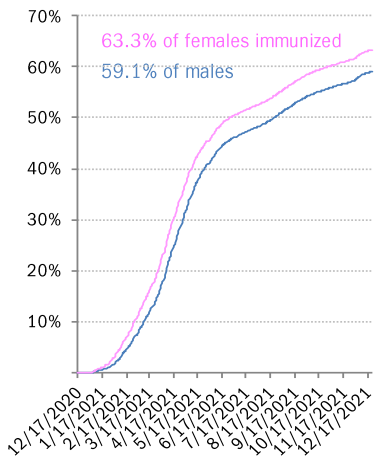
As of Dec 23

ME	85.2%
	75.5%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
75.2%	52.0%	61.7%	61.9%	71.0%	71.6%	63.1%	82.9%	88.7%	95.0%	
67.6%	46.1%	53.8%	52.3%	65.1%	63.9%	56.5%	71.3%	76.9%	66.9%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
73.7%	68.9%	55.5%	70.3%	64.5%	57.6%	60.1%	77.3%	82.8%	89.8%	
66.2%	56.1%	47.3%	56.7%	58.7%	51.8%	55.0%	63.5%	70.1%	74.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.0%	66.9%	74.0%	66.0%	62.0%	62.1%	61.6%	78.4%	79.8%	87.8%	87.8%
65.7%	58.4%	65.8%	59.5%	52.8%	54.0%	54.8%	67.6%	70.1%	74.3%	75.9%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	66.7%	80.2%	68.7%	62.3%	58.4%	75.4%	62.3%	87.3%	76.1%	
	56.7%	65.9%	56.6%	50.9%	51.1%	56.4%	52.9%	67.2%	63.9%	
			OK	LA	MS	AL	GA			
			65.4%	57.0%	55.2%	58.1%	60.7%			
			53.2%	50.0%	48.0%	47.3%	50.6%			
			TX					FL		PR
			66.3%					74.0%		88.3%
			56.6%					63.0%		76.7%

HI	86.1%
	63.2%

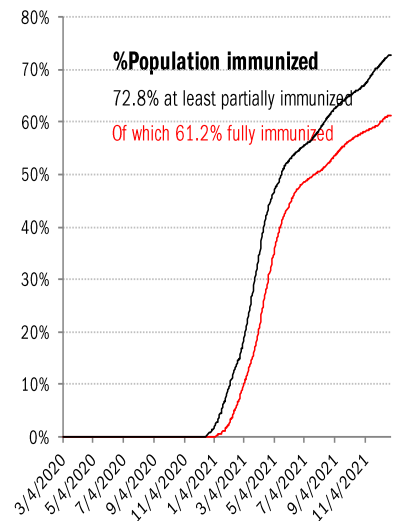
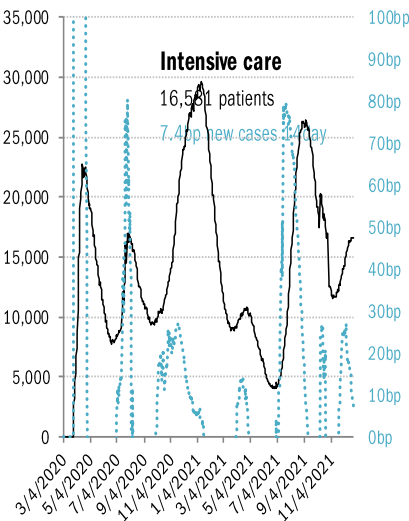
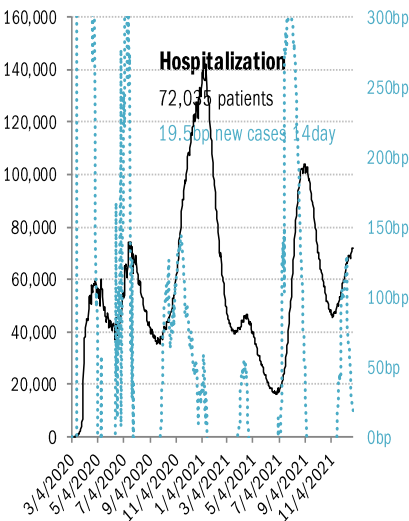
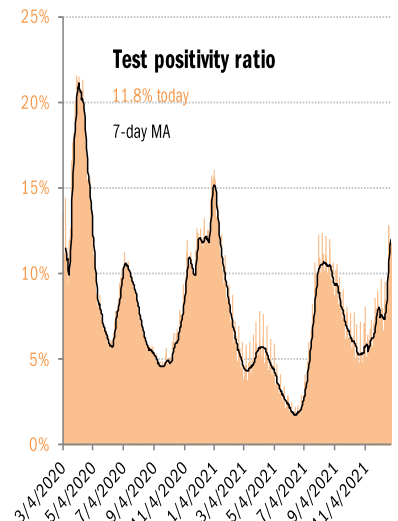
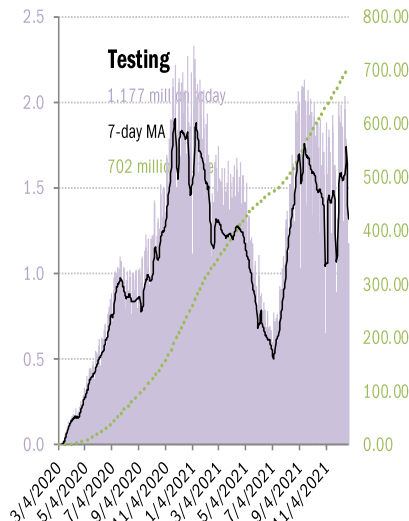
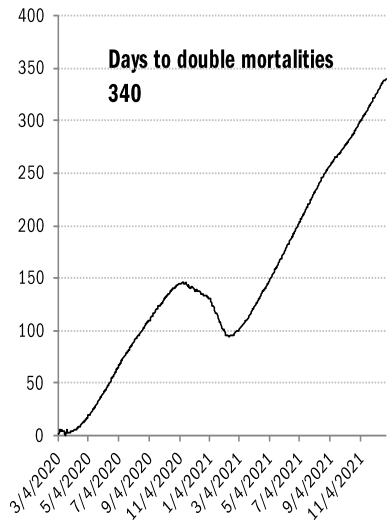
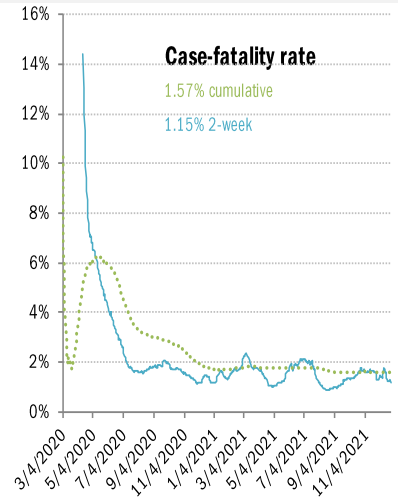
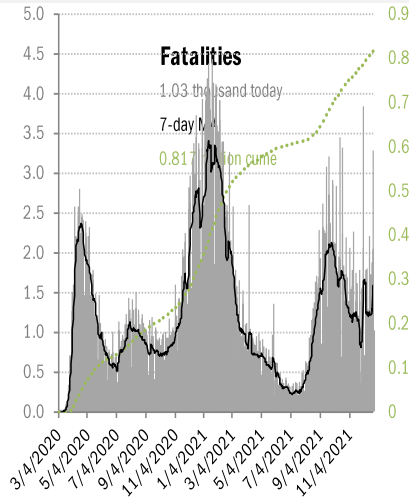
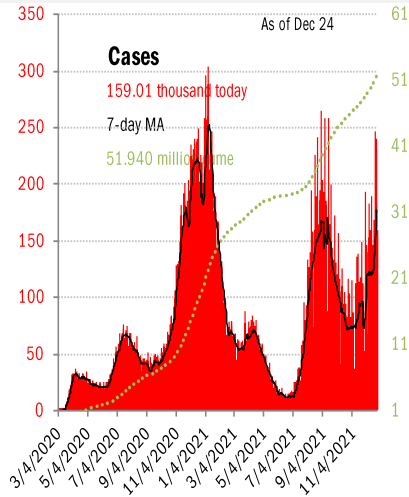
The demographics of US vaccination



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

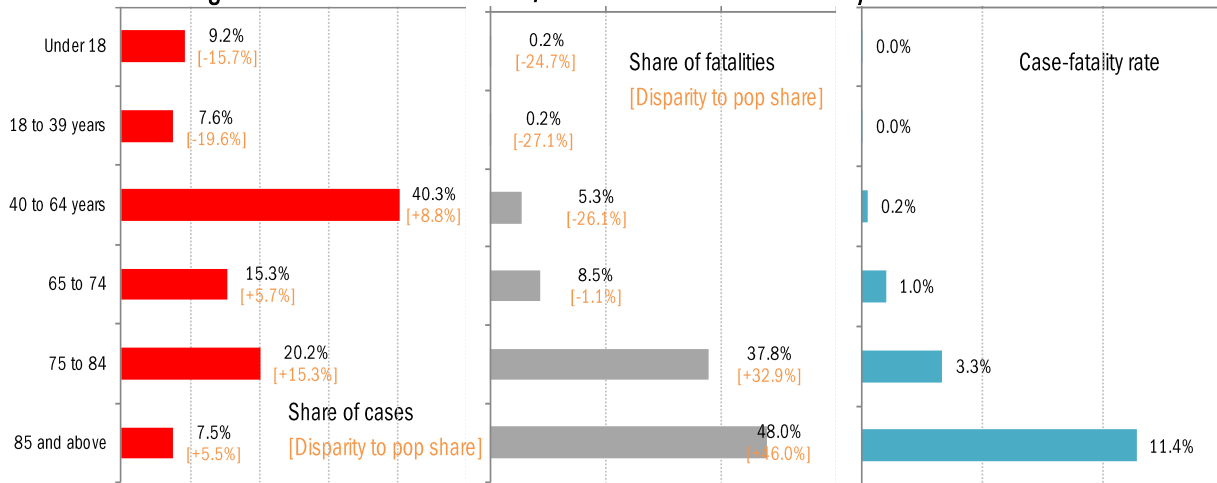
US deep-dive

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

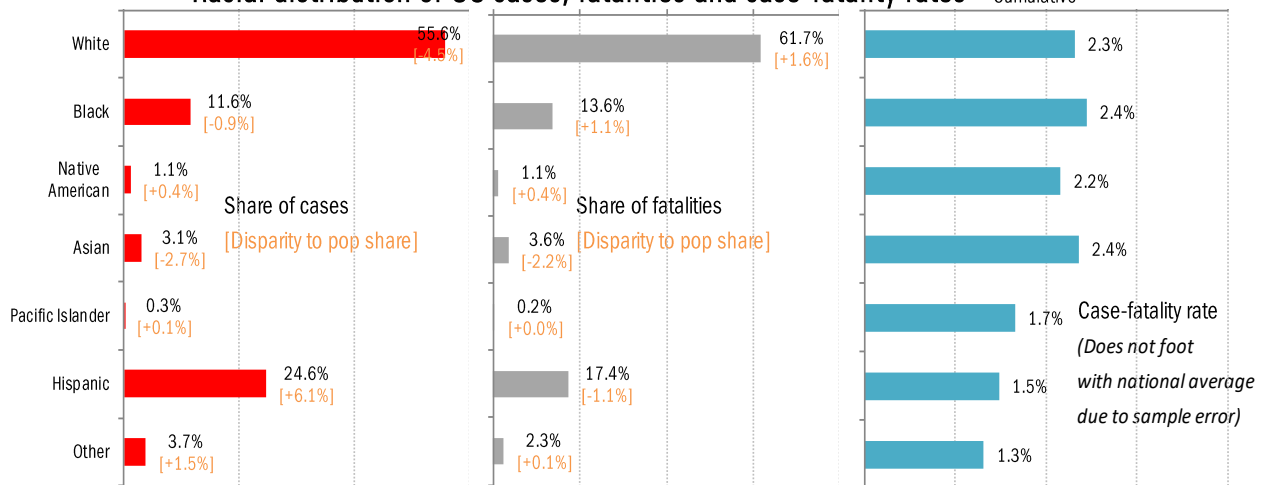


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

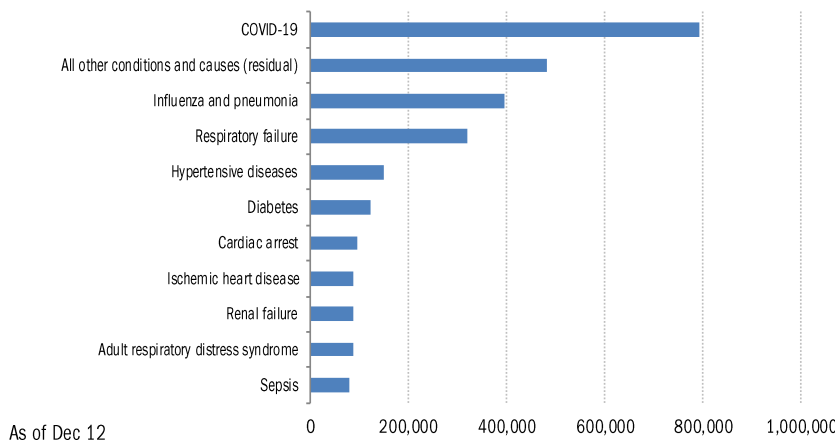


Racial distribution of US cases, fatalities and case-fatality rates



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

[Holiday Spirit Glimmers as New York Endures Another Pandemic Christmas](#)

Sarah Maslin Nir
New York Times
December 24, 2021

[Stunning Covid data from Denmark](#)

Alex Berenson
Unreported Truths
December 18, 2021

[Lancet Editor Admits Peter Daszak Has 'Significant, Regrettable' Conflicts Of Interest.](#)

Natalie Winters
National Pulse
December 23, 2021

[Lancet editor who published letter slamming Covid lab leak theory as 'conspiracy' admits he knew about lead author's links to Chinese lab at centre of cover-up for a YEAR before acknowledging conflict of interests](#)

Joe Davies and Victoria Allen
Daily Mail
December 17, 2021

[We'll never end the COVID pandemic if politicians keep making same mistakes](#)

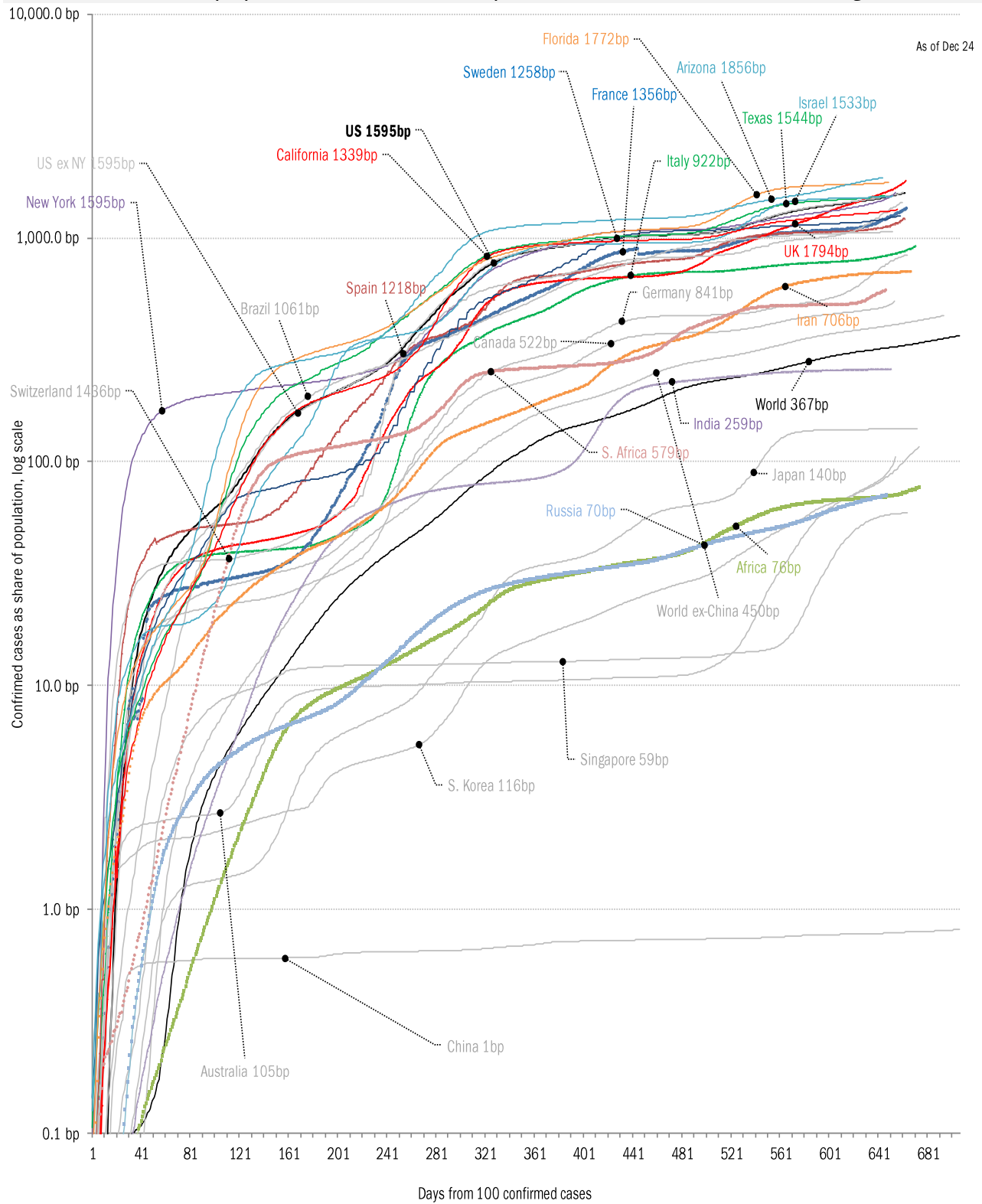
David Marcus
New York Post
December 23, 2021

Meme of the day



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

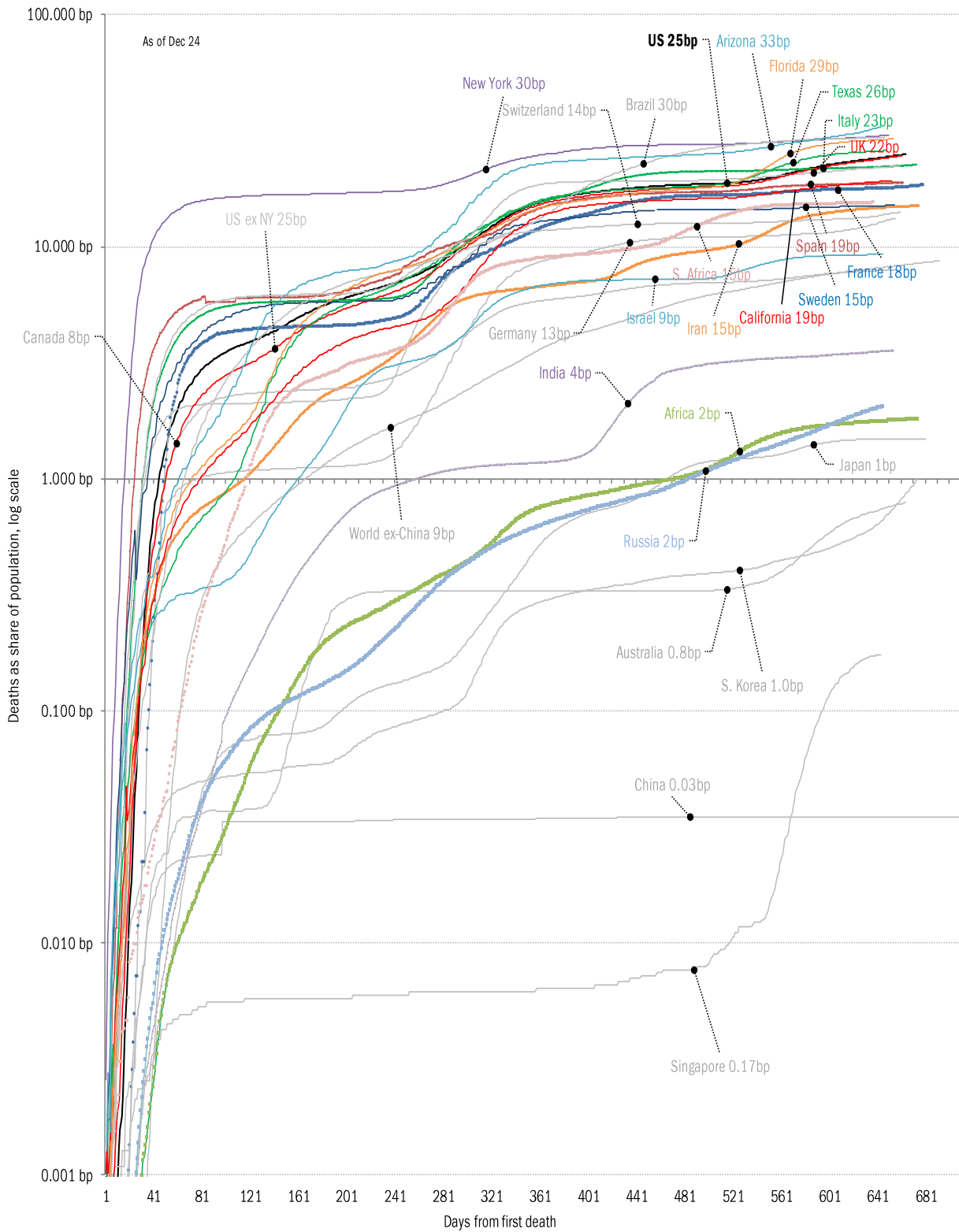
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

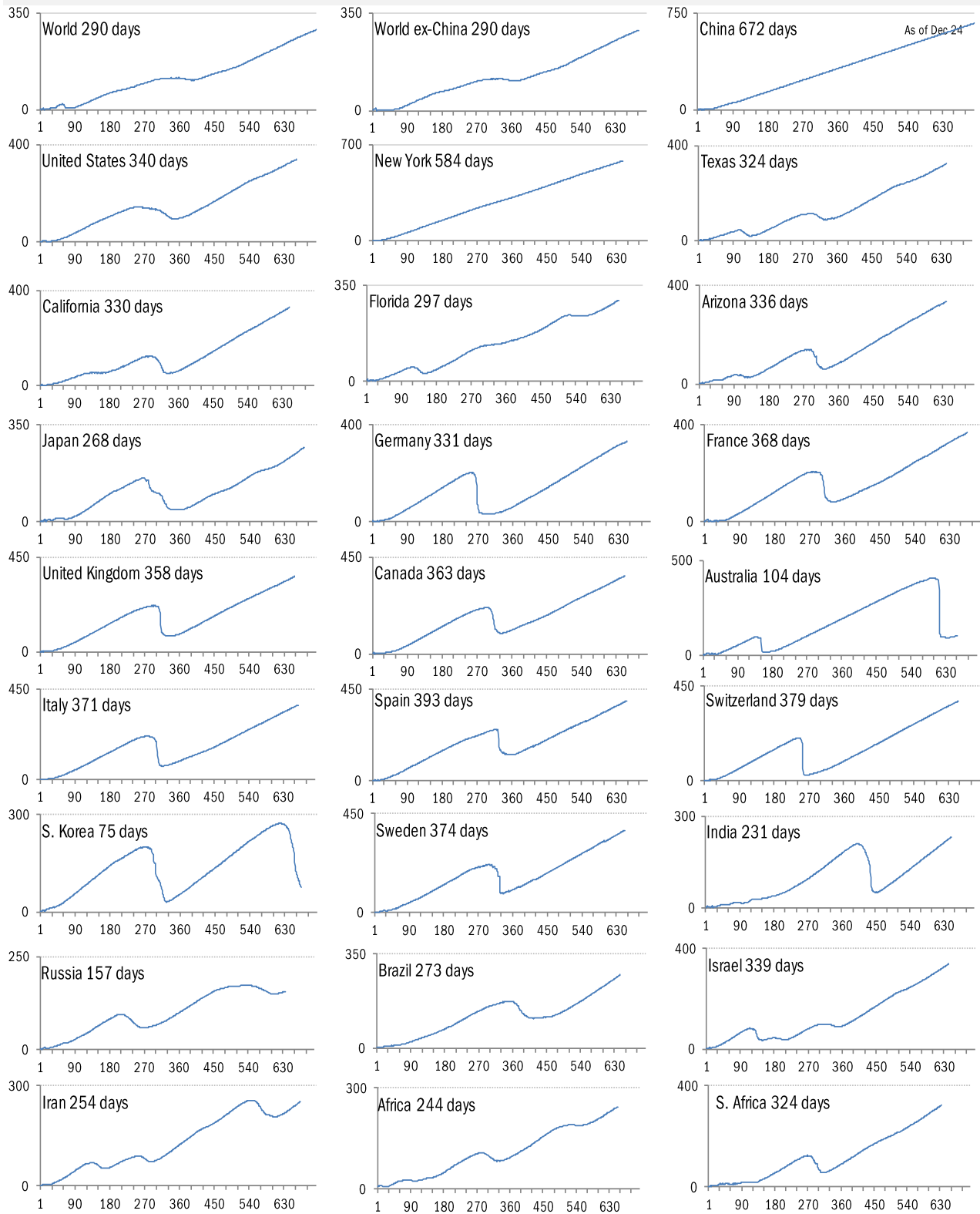


Source: [Johns Hopkins](#), TrendMacro calculations

"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

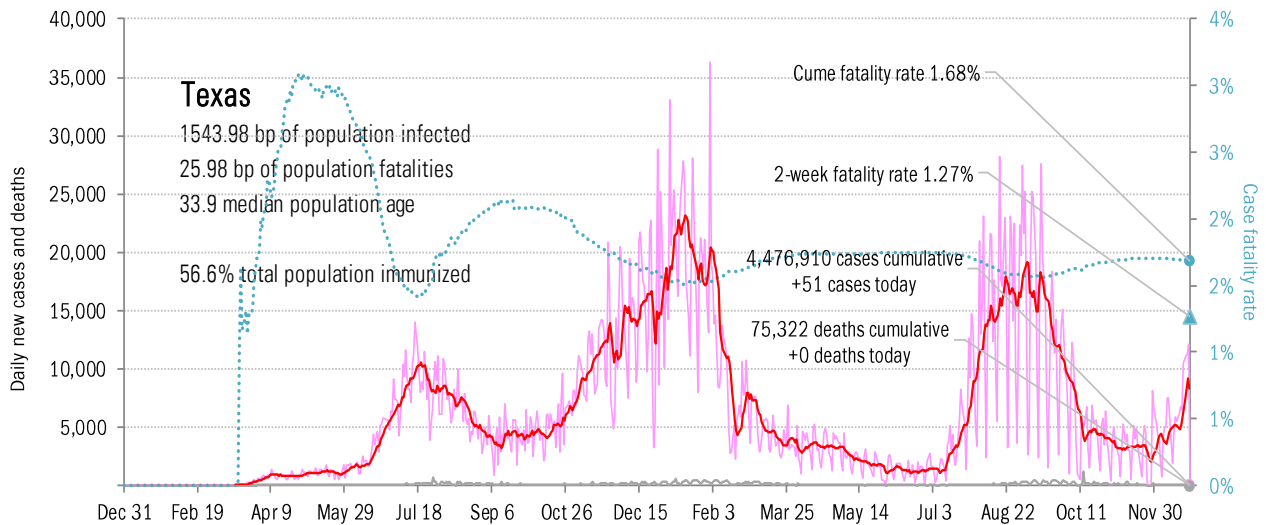
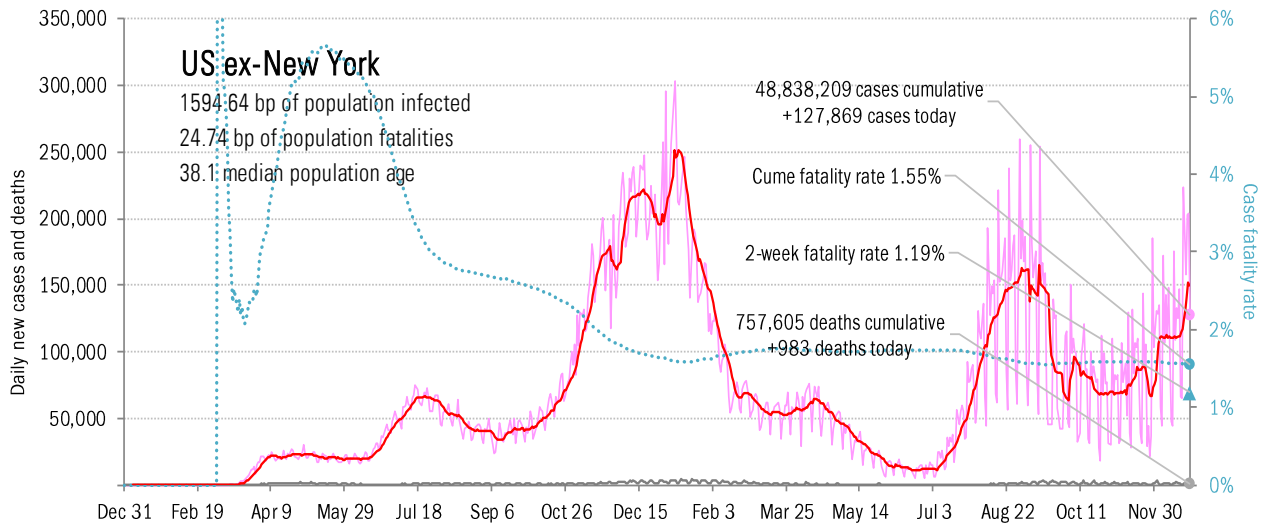
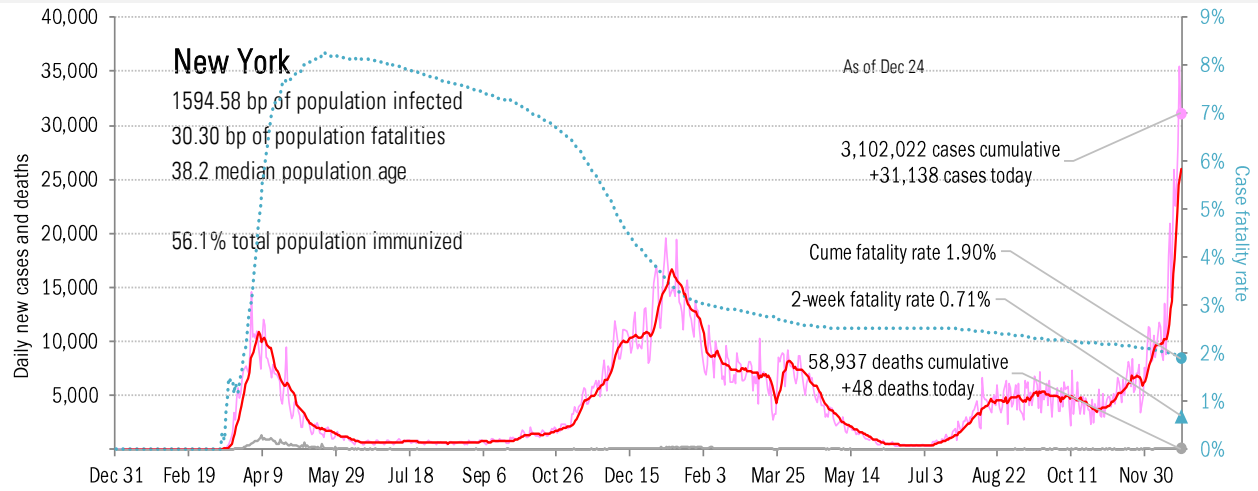
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

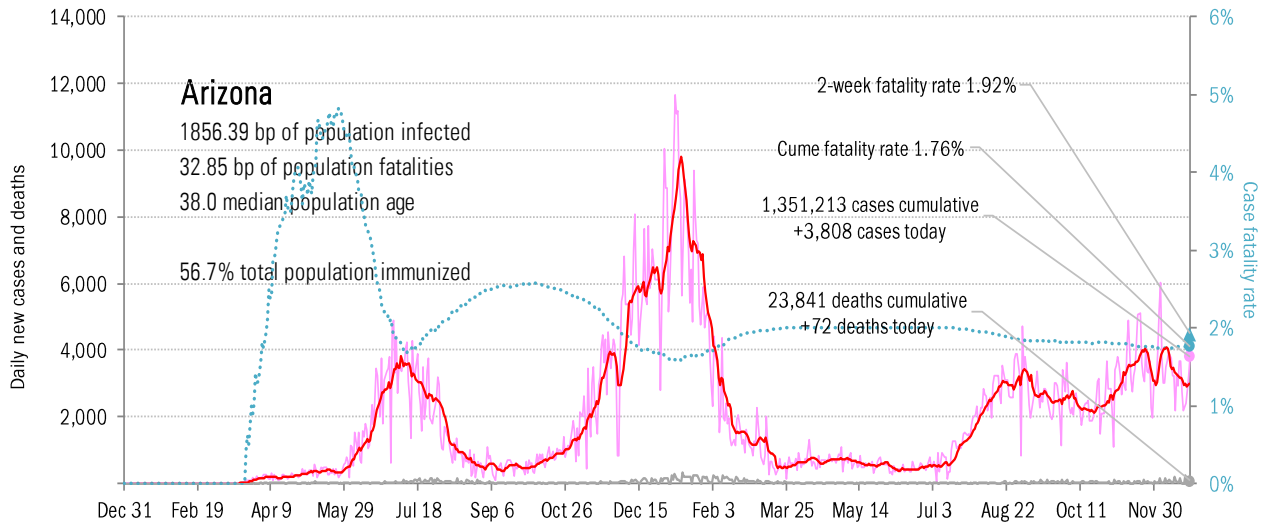
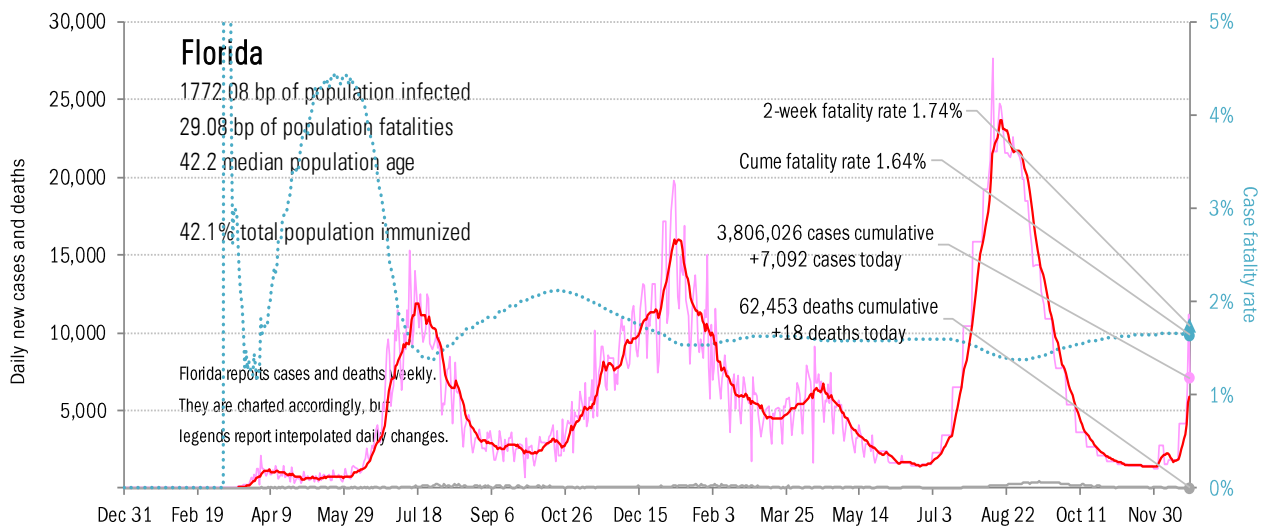
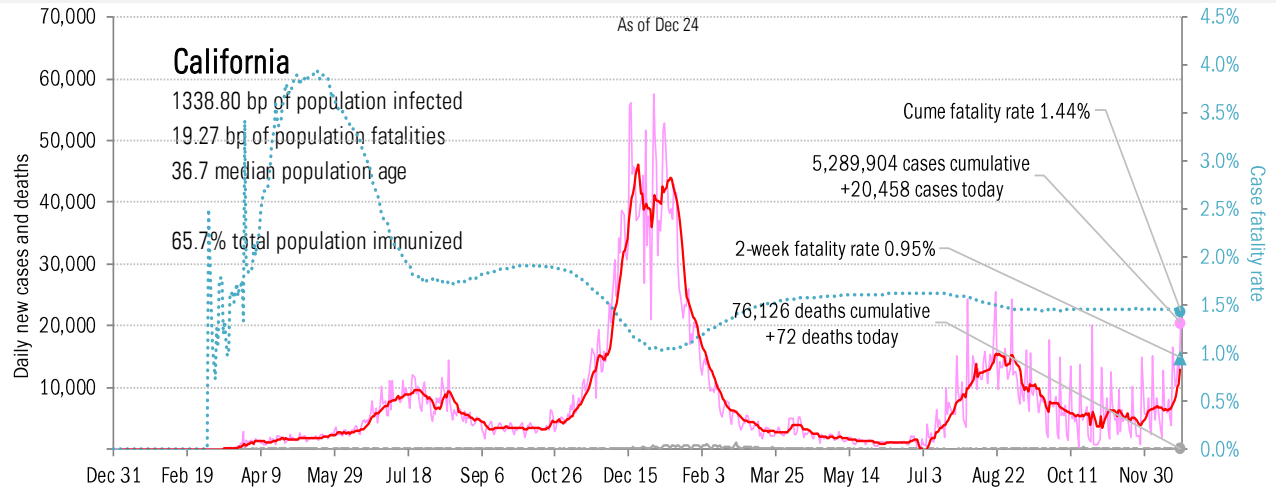
Cases: 7-day average and daily Deaths: Daily



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

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

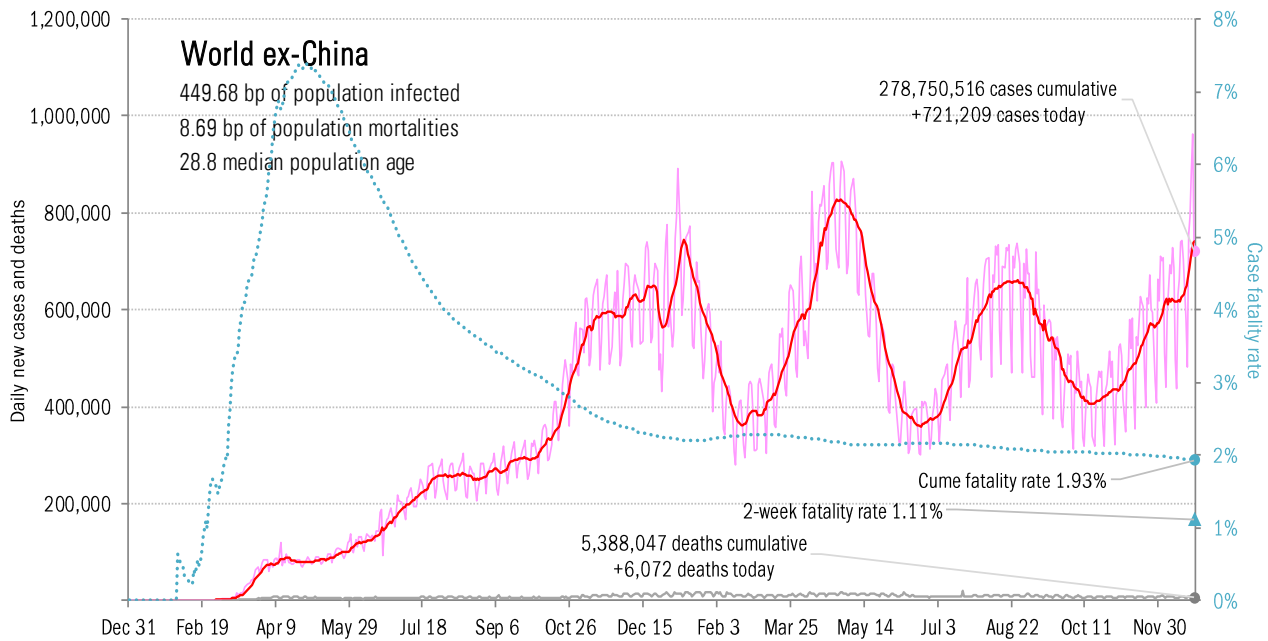
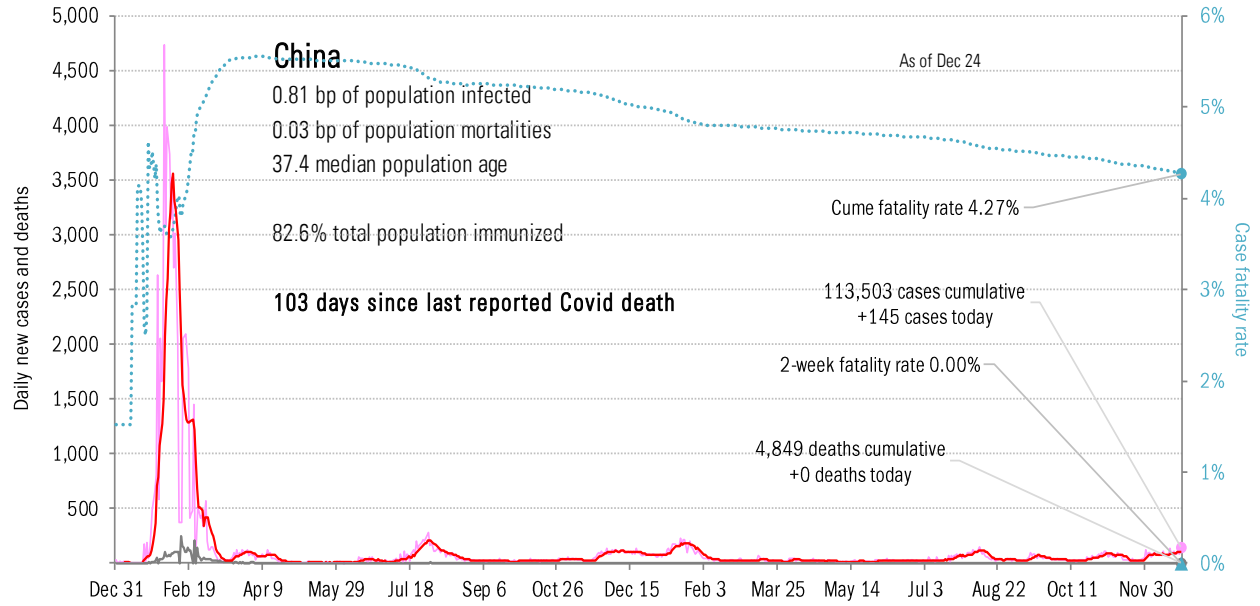
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

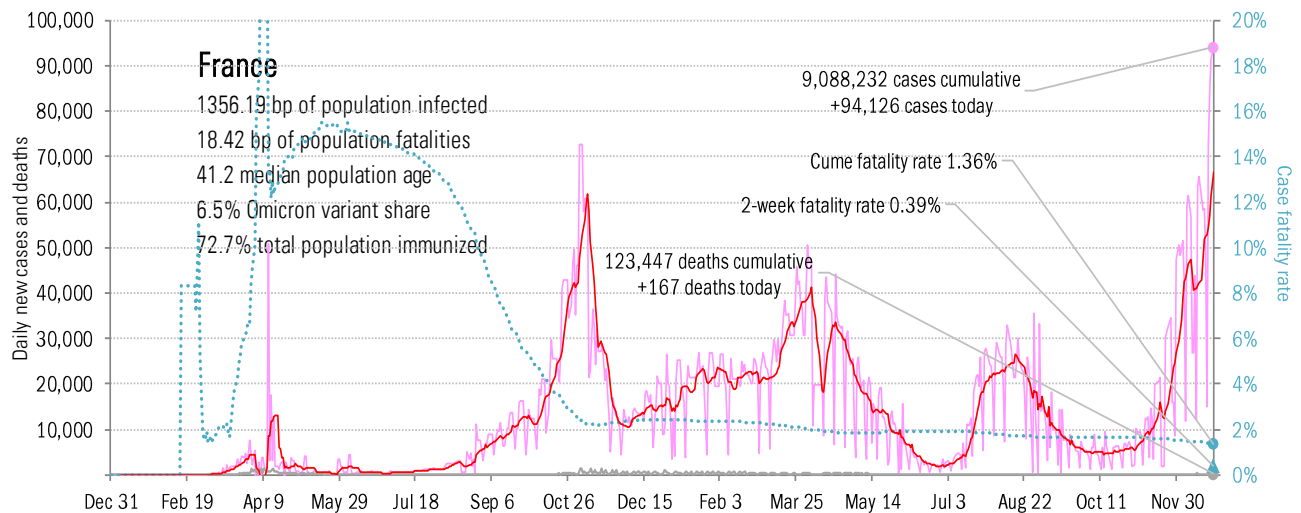
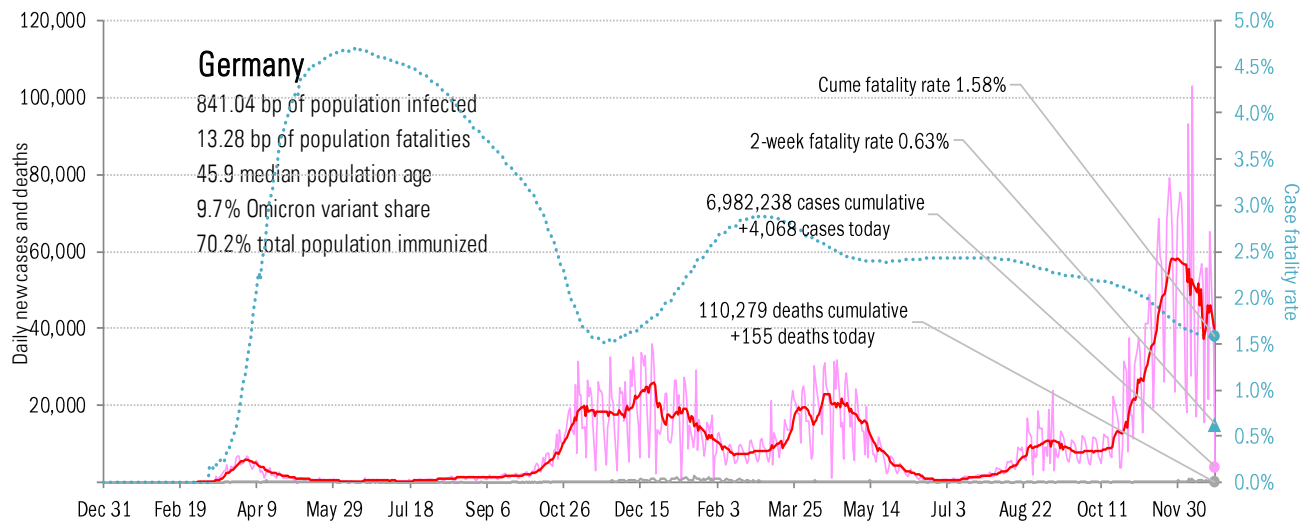
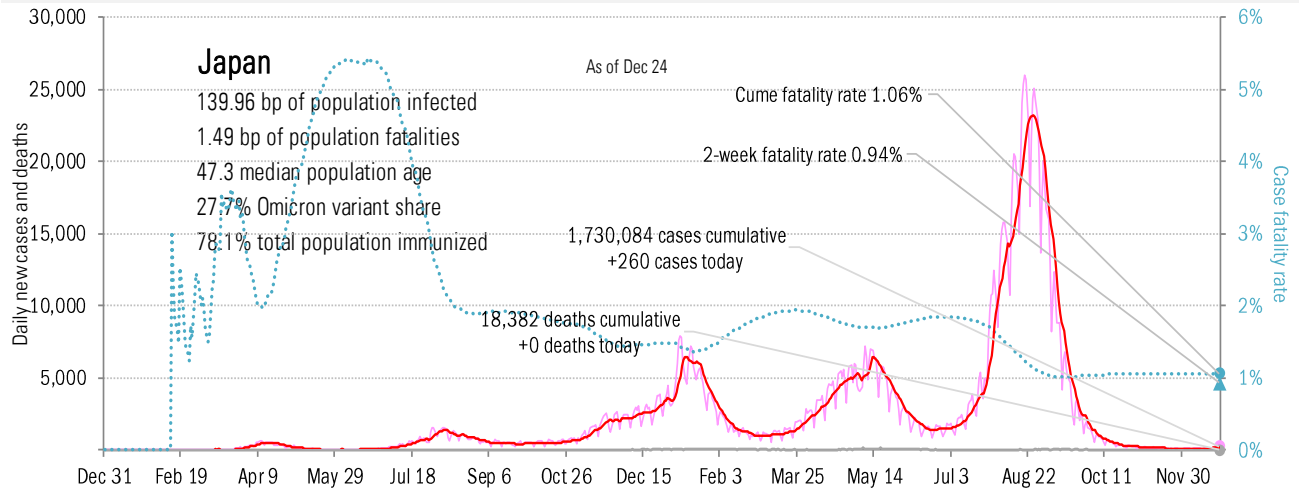
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

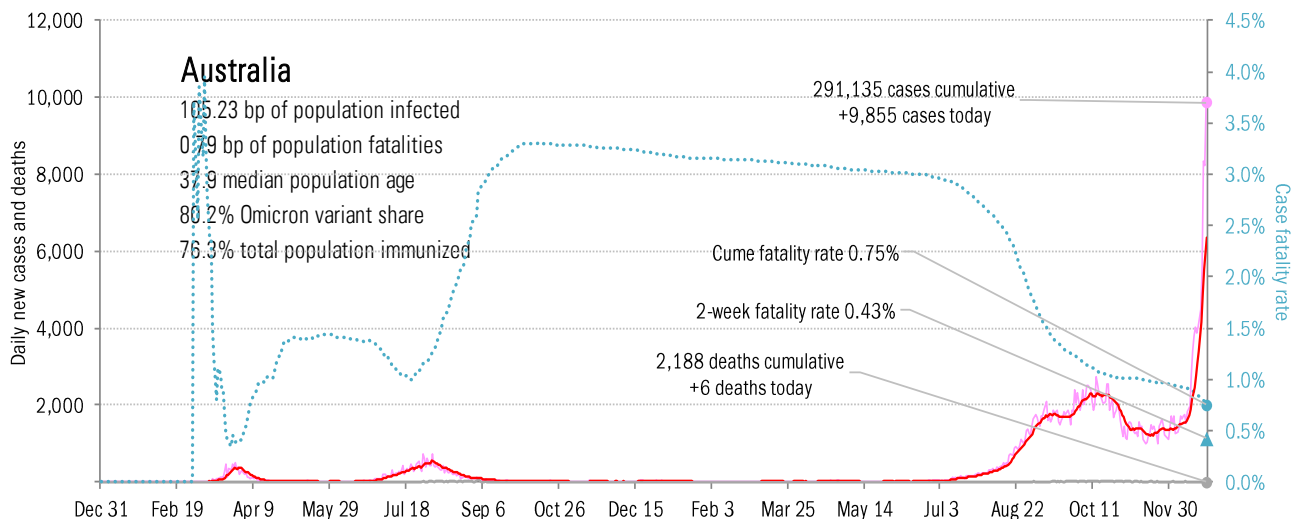
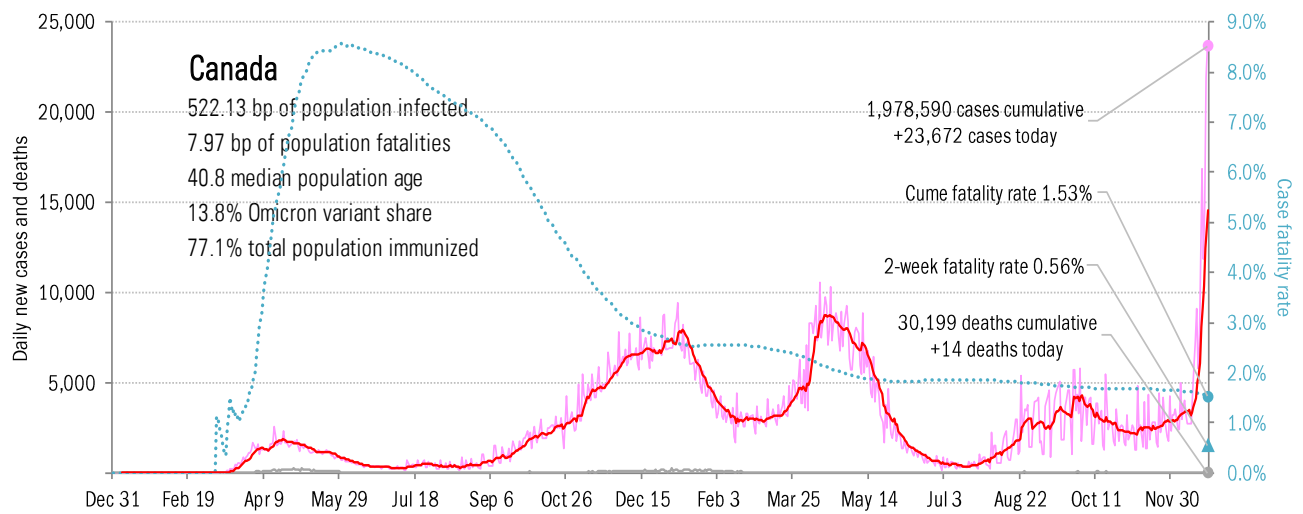
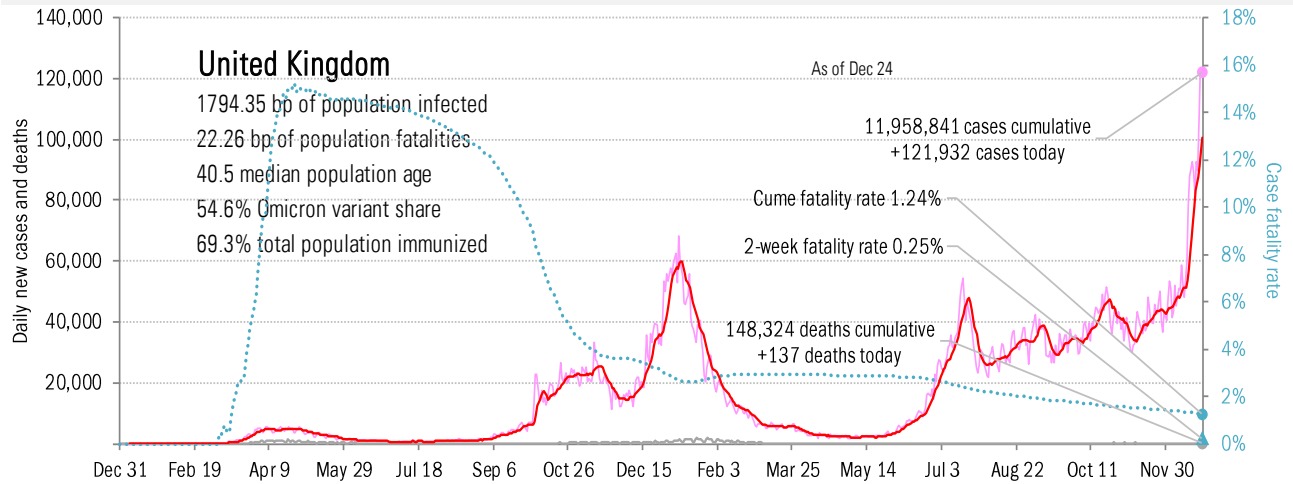
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

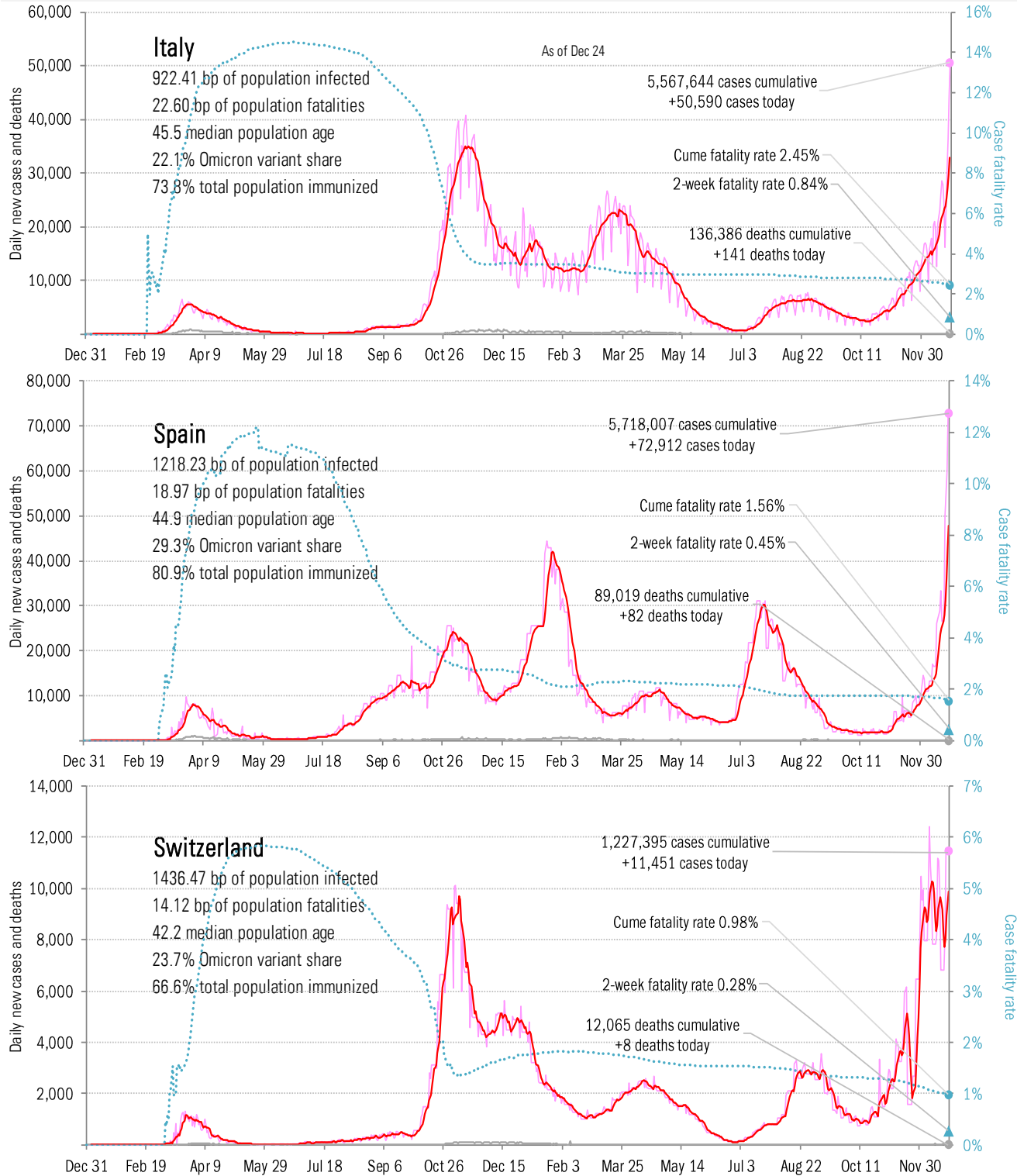
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

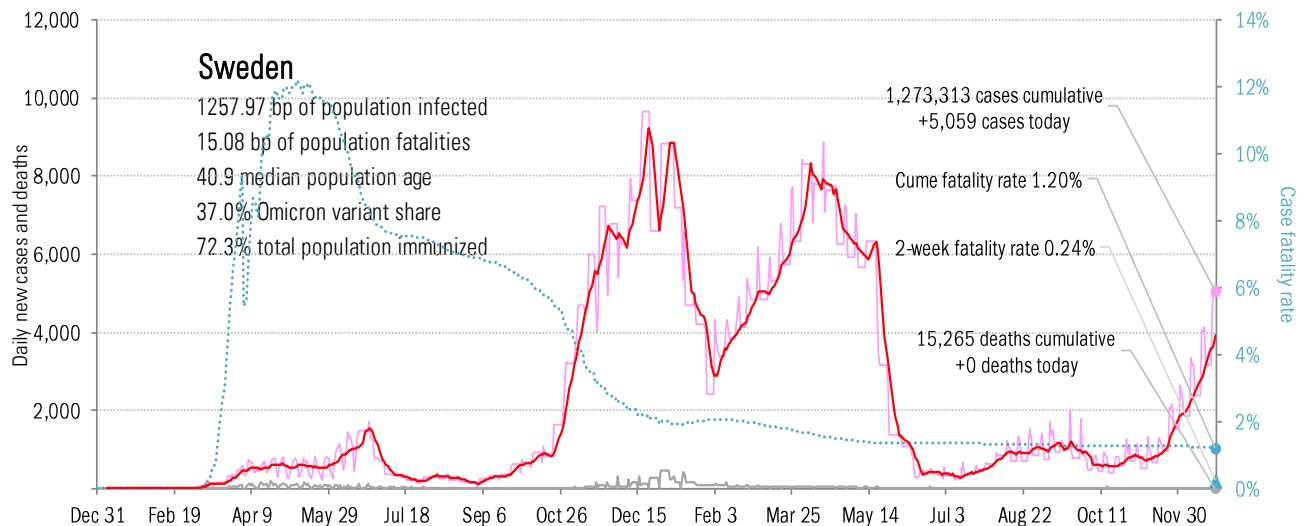
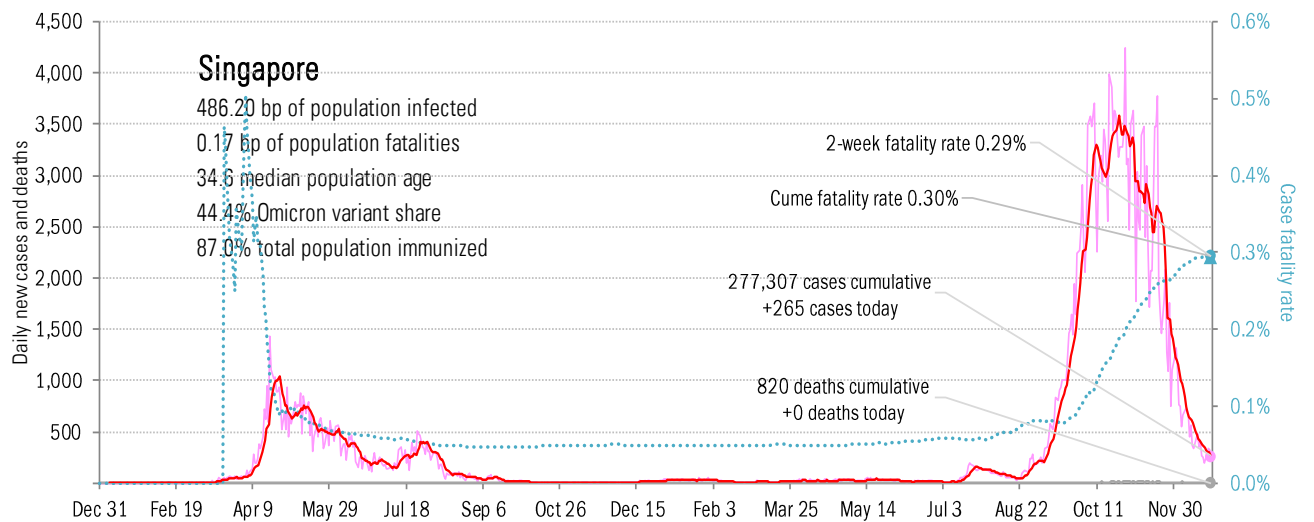
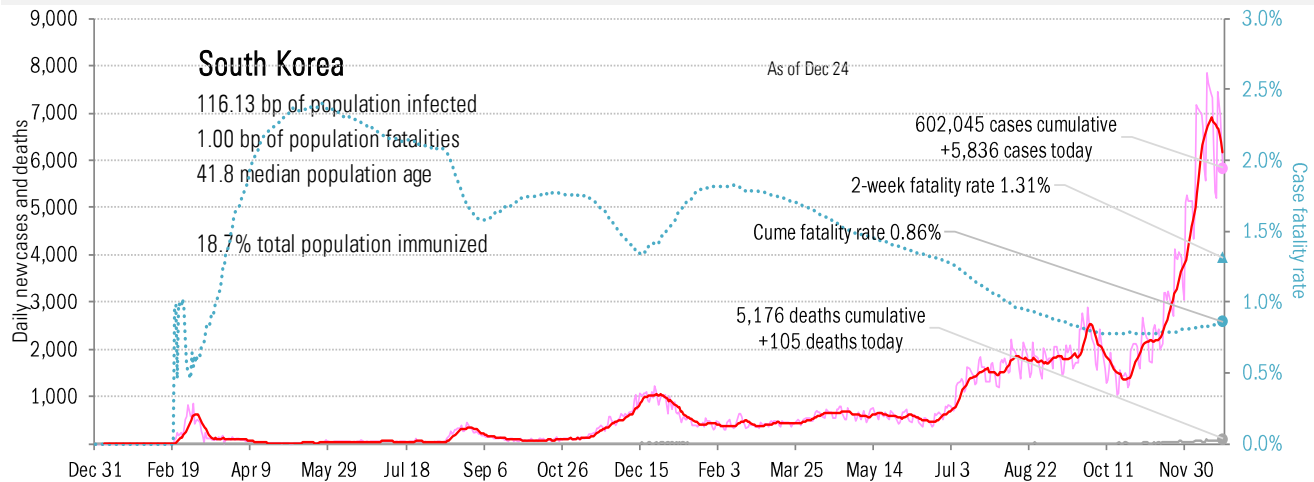
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

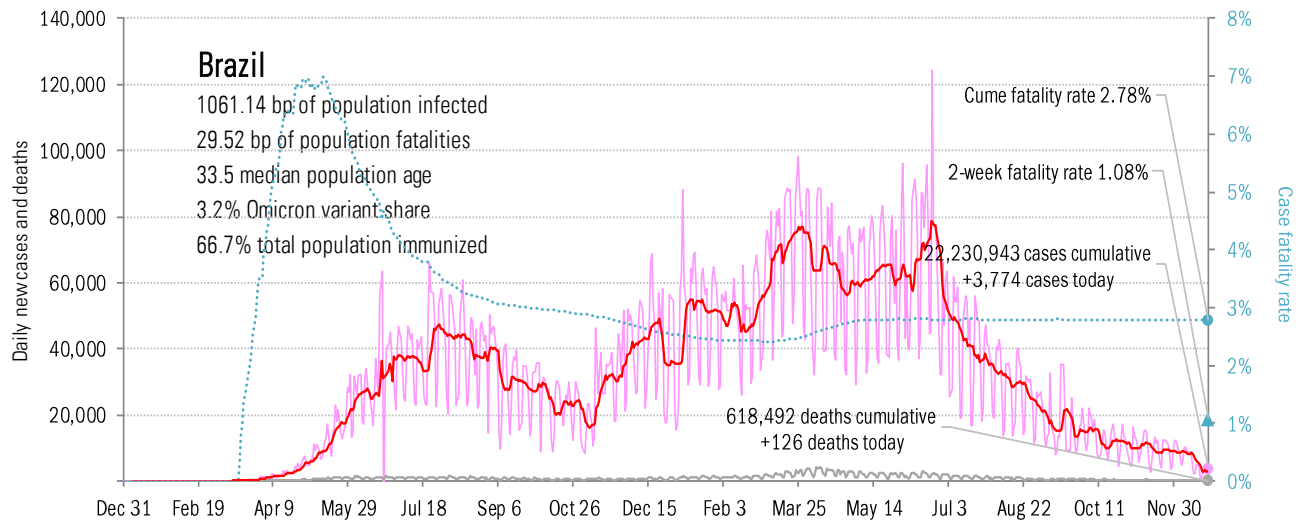
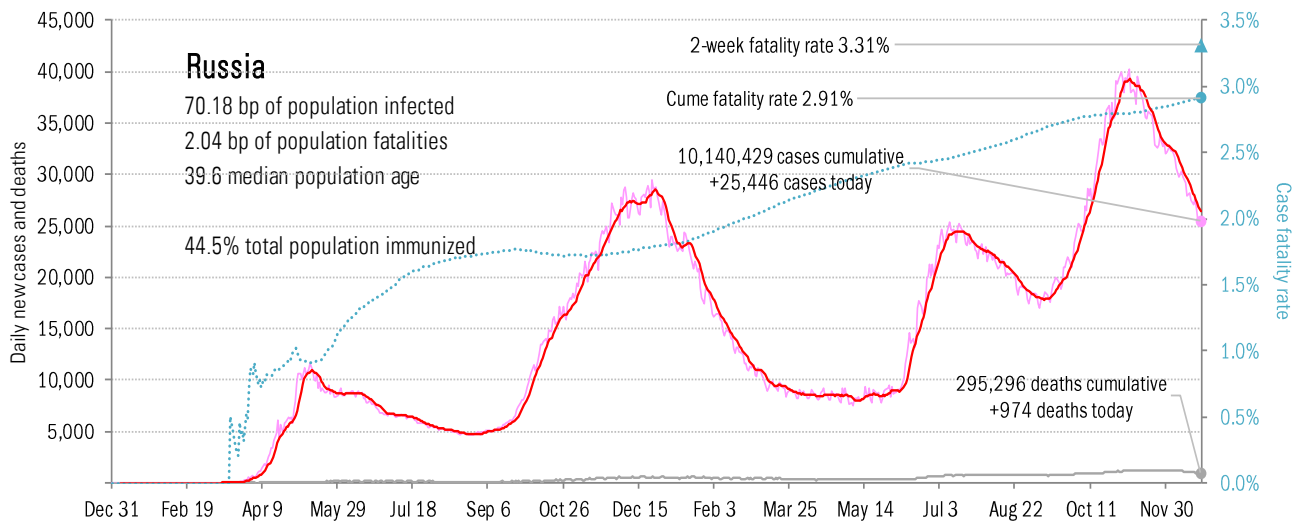
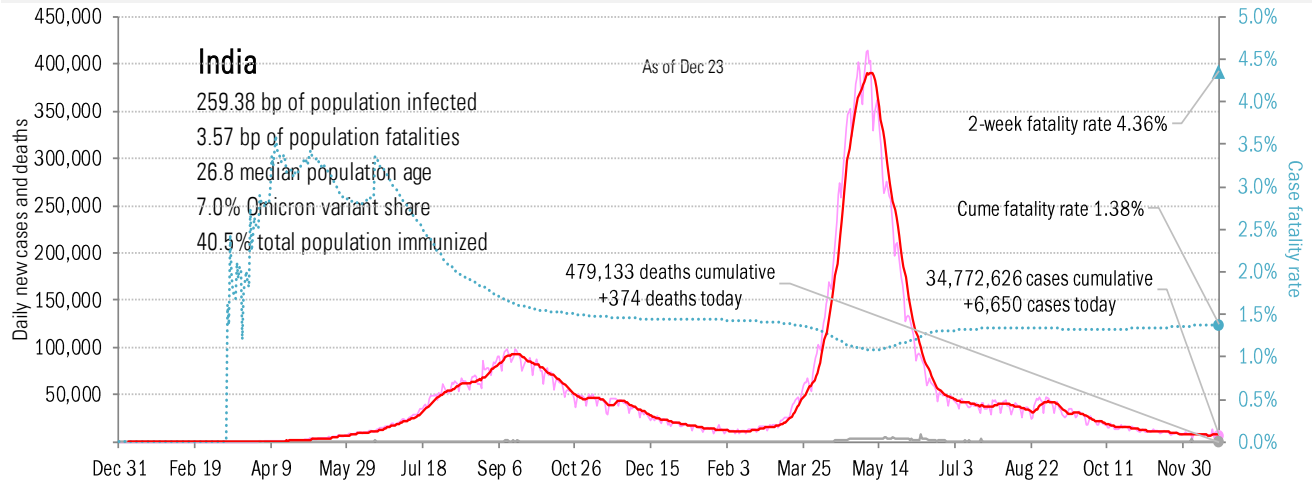
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

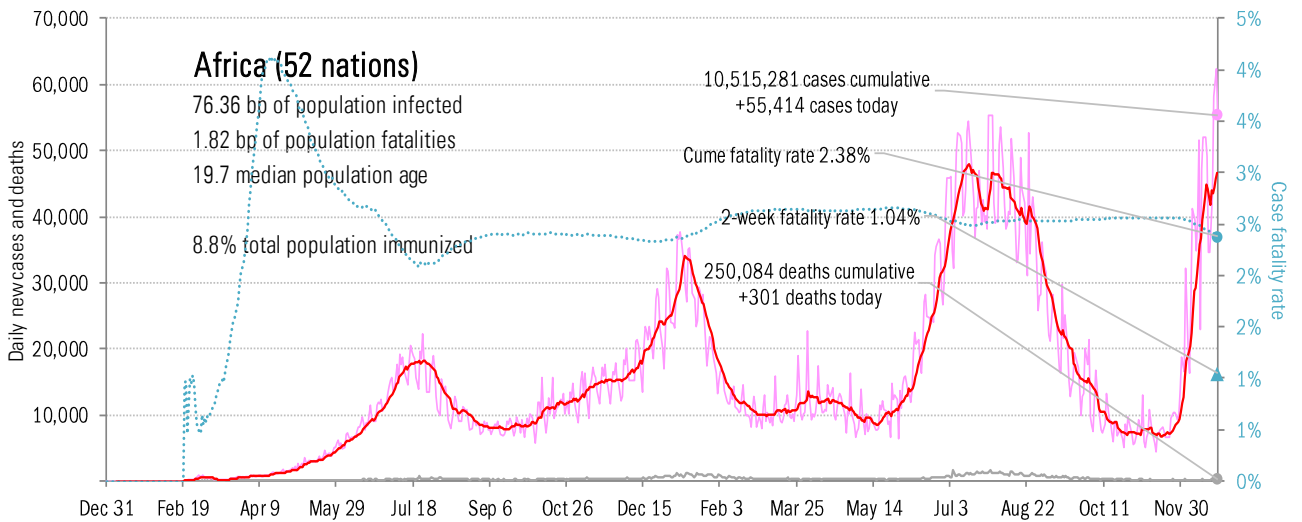
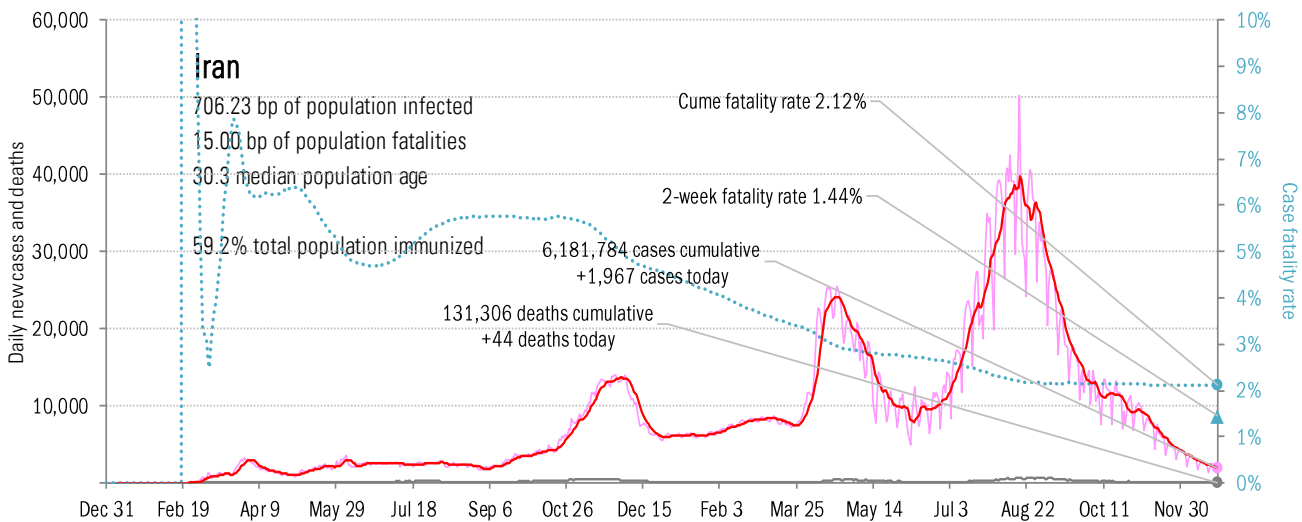
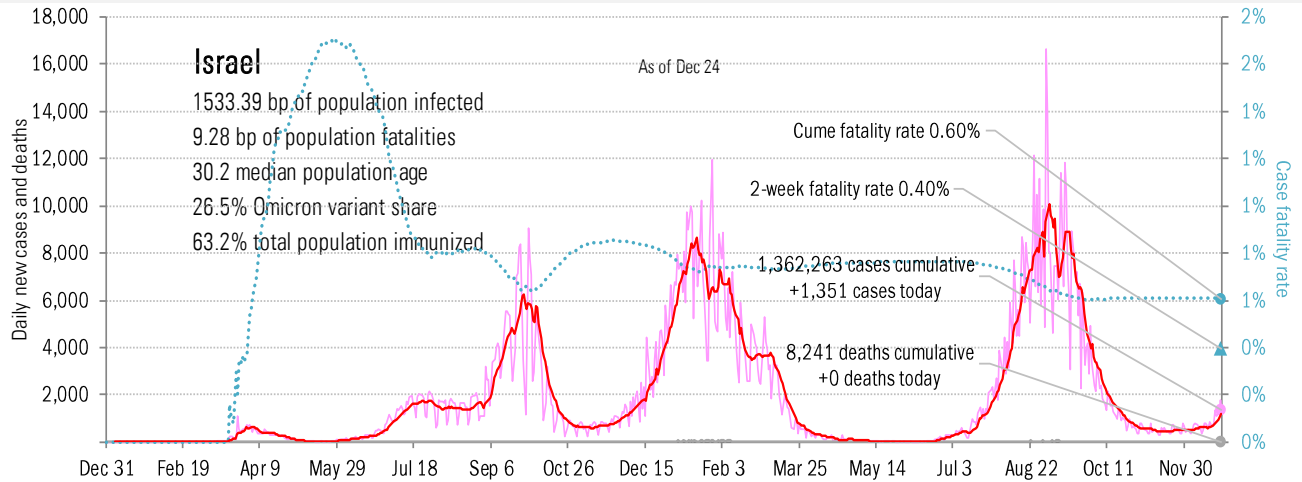
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

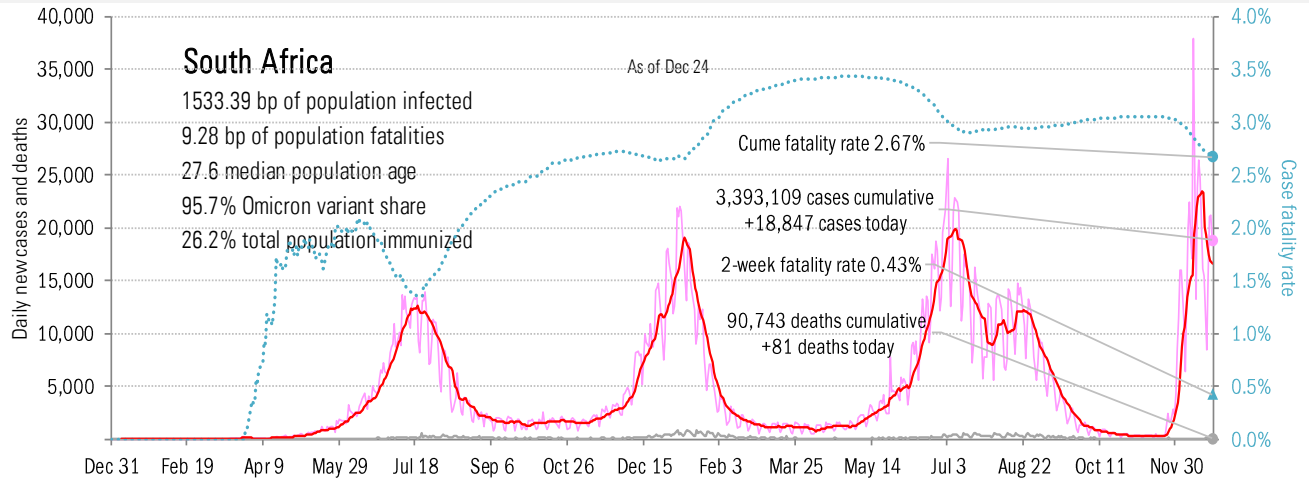
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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