

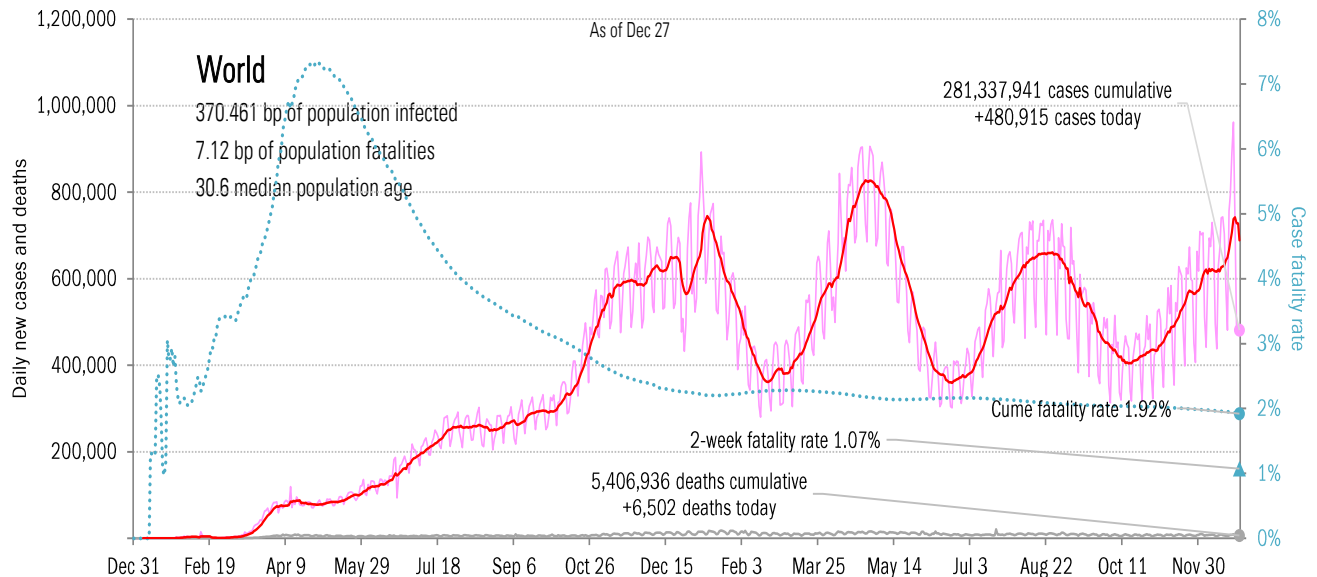
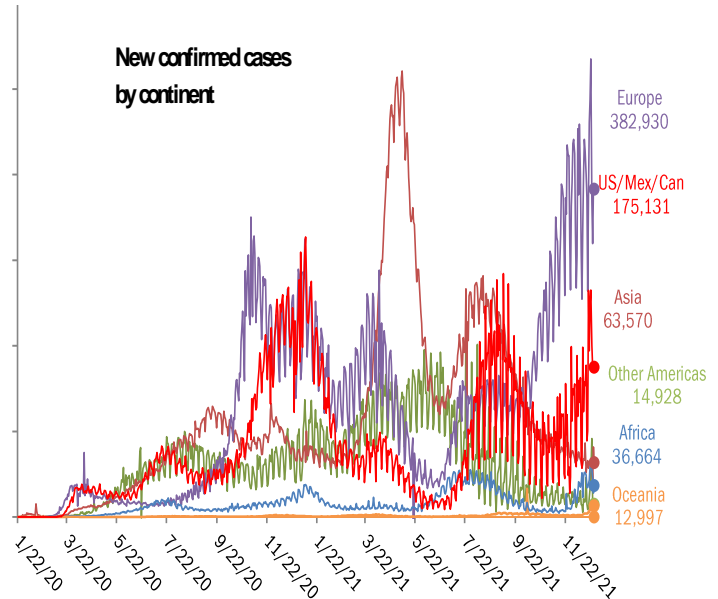
Data Insights: Covid-2019 Monitor

Tuesday, December 28, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United Kingdom	318,886	United States	1,581
Spain	214,619	Russia	912
United States	168,676	Hungary	436
Switzerland	36,193	Germany	374
Italy	30,799	India	293
France	30,481	France	256
Turkey	26,099	Vietnam	204
Russia	23,036	Ukraine	158
Argentina	20,263	Turkey	157
Germany	18,750	United Kingdom	146
887,802		4,517	
World	480,915	World	6,502
Top ten	185%	Top ten	69%



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

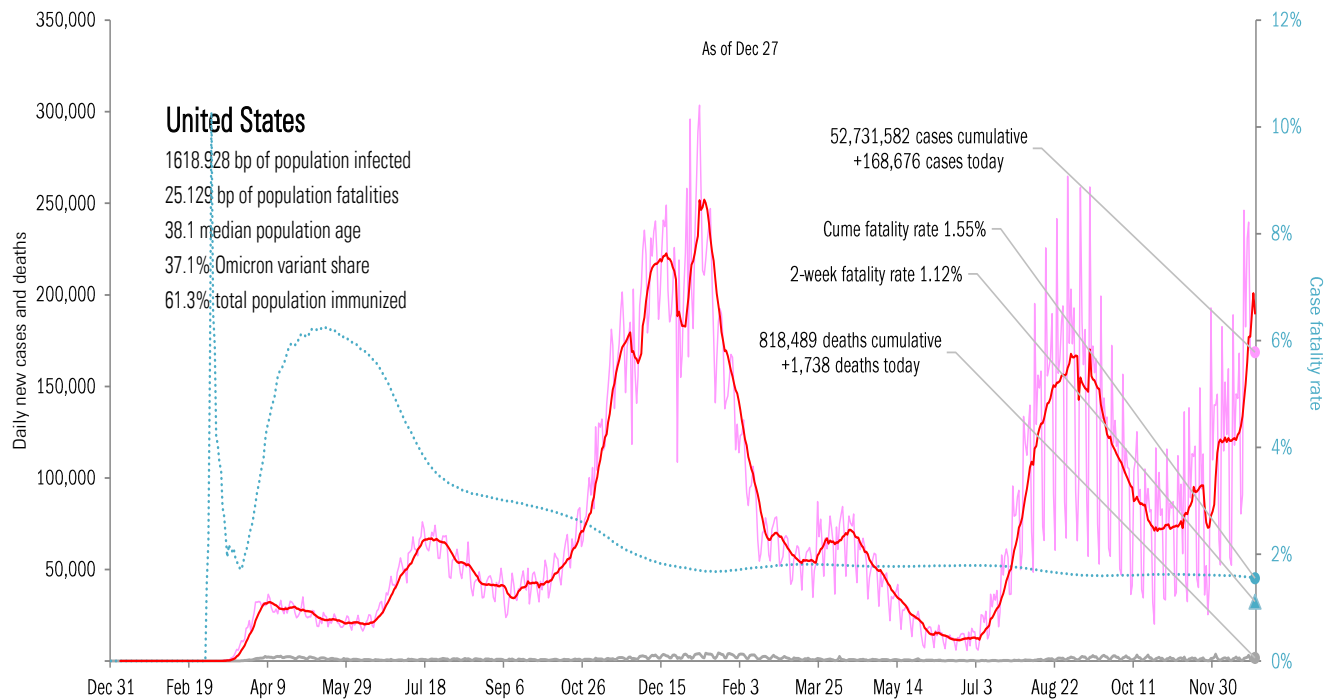
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use									
IL	55,958		MI	302		GA	300		CA	5,327,107		CA	76,175		TX	396,609		RI	89%		RI	94%							
TX	53,656		TX	163		FL	257		TX	4,530,566		TX	75,485		CA	331,387		MN	83%		NH	89%							
NY	36,728		KY	156		CA	220		FL	3,874,345		FL	62,507		FL	331,355		CT	80%		MI	87%							
MI	35,468		IL	153		TX	209		NY	3,221,100		NY	59,119		NY	187,028		WA	80%		KY	86%							
GA	26,279		NY	139		NJ	150		IL	2,077,260		PA	36,069		GA	168,546		MI	79%		MO	85%							
FL	21,898		TN	69		MD	92		PA	1,965,567		GA	31,246		CH	151,651		NV	79%		NM	85%							
WA	20,494		IN	64		IL	59		CH	1,940,000		IL	30,021		PA	140,503		MA	79%		IN	85%							
IN	20,371		MN	53		LA	58		GA	1,759,879		NJ	28,869		IL	122,942		MD	78%		NV	84%							
VA	18,513		GA	37		CH	58		MI	1,681,046		CH	28,720		KY	119,427		PA	77%		NE	84%							
CA	16,409		CA	36		MO	57		NC	1,607,378		MI	28,647		MI	115,705		GA	76%		MN	84%							
305,774			1,172			1,460			27,984,248			456,858			2,065,153														
All states			506,029			1,581			1,487			All states			52,731,582			818,489			3,732,080			All states		70%		67%	
Top ten			60%			74%			98%			Top ten			53%			56%			55%			Median		70%		76%	

Some states not reporting

Five most improved US states

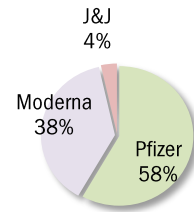
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-45,622	FL	-124	NC	-172	IL	+60 bp
MD	-19,659	AK	0	NY	-141	VA	+30 bp
CH	-12,825	AL	0	NV	-70	AL	+20 bp
FR	-5,258	AS	0	WI	-59	AR	+20 bp
NJ	-4,427	DE	0	MA	-51	RI	+20 bp



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

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	516,683,557		+0.826 million	US	61.3%	73.0%
Boosters	67,380,910		+0.479 million	UK	69.3%	75.7%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	248,413,244	74%	210,332,339	63%	+0.115 million	France 72.8% 78.0%
Age 12 to 17	15,104,638	63%	12,718,075	53%	+0.008 million	Spain 81.0% 84.5%
Age 18 to 64	168,184,159	83%	143,180,849	70%	+0.060 million	Germany 70.2% 73.2%
Age 65 and over	57,599,845	100%	49,590,498	91%	+0.009 million	Italy 73.9% 79.8%
						Australia 76.4% 79.2%
						Israel 63.4% 70.2%
						Canada 77.1% 83.1%
						Japan 78.2% 79.6%
						Africa 8.9% 13.8%
						India 41.6% 60.2%
						Brazil 66.7% 77.6%
						China 82.6% 84.8%



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

Every American >18 immunized in **-687 days** by Feb 8, 2020
 74.7% of population >18 immunized
 18.6% previously tested positive
93.2% vs 60% adult herd immunity

US	61.3%	73.0%
UK	69.3%	75.7%
France	72.8%	78.0%
Spain	81.0%	84.5%
Germany	70.2%	73.2%
Italy	73.9%	79.8%
Australia	76.4%	79.2%
Israel	63.4%	70.2%
Canada	77.1%	83.1%
Japan	78.2%	79.6%
Africa	8.9%	13.8%
India	41.6%	60.2%
Brazil	66.7%	77.6%
China	82.6%	84.8%

Global data differs due to sources, timing

AK	64.7%
	56.1%

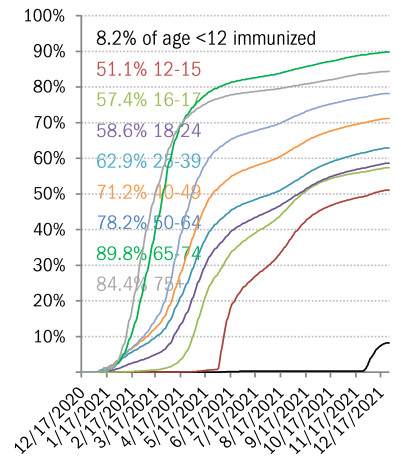
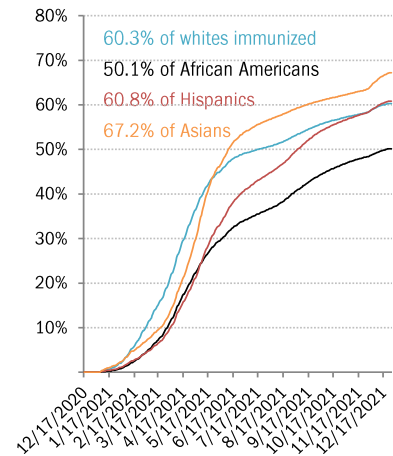
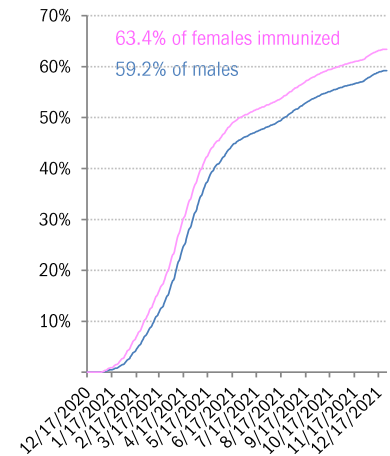
WI	67.9%
	61.7%

As of Dec 27

ME	85.5%
	75.6%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
75.4%	52.0%	61.8%	62.0%	71.1%	72.2%	63.2%	83.4%	89.1%	95.0%	
67.7%	46.2%	53.9%	52.4%	65.2%	64.2%	56.6%	71.5%	77.3%	67.0%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
73.9%	69.2%	55.6%	70.5%	64.5%	57.7%	60.1%	77.6%	83.2%	90.3%	
66.4%	56.3%	47.3%	56.8%	58.7%	51.9%	55.0%	63.6%	70.3%	74.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.5%	67.0%	74.2%	66.0%	62.1%	62.3%	61.7%	78.8%	80.1%	88.2%	88.1%
65.9%	58.4%	66.0%	59.5%	52.9%	54.1%	54.9%	67.9%	70.2%	74.5%	76.1%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
67.1%	80.4%	68.9%	62.5%	58.5%	75.9%	62.6%	88.0%	76.3%		
56.9%	66.1%	56.7%	51.1%	51.2%	56.6%	53.0%	67.4%	64.0%		
OK	LA	MS	AL	GA						
65.7%	57.2%	55.3%	58.3%	60.7%						
53.3%	50.1%	48.1%	47.5%	50.7%						
TX										
66.5%										
56.8%										
HI							FL		PR	
87.1%							74.1%		88.4%	
63.4%							63.1%		76.7%	

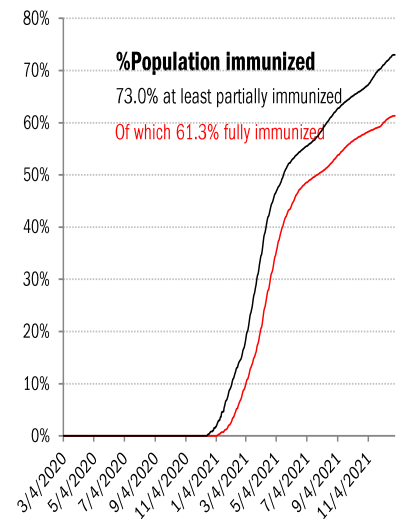
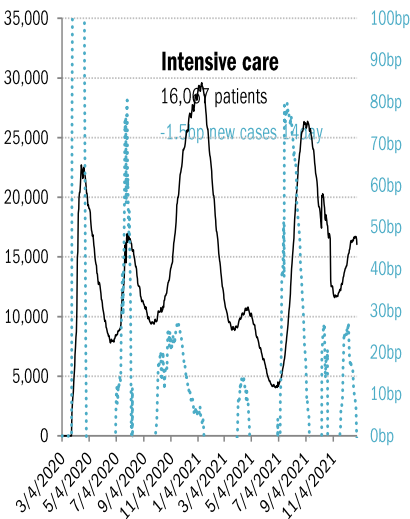
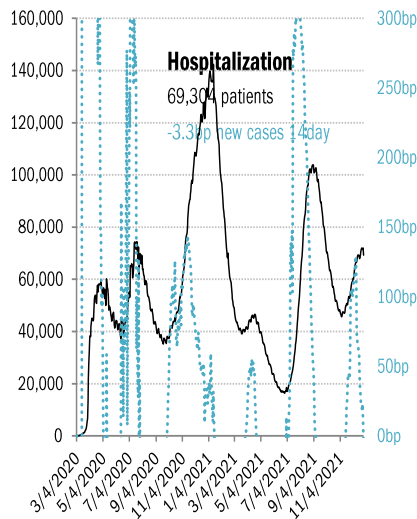
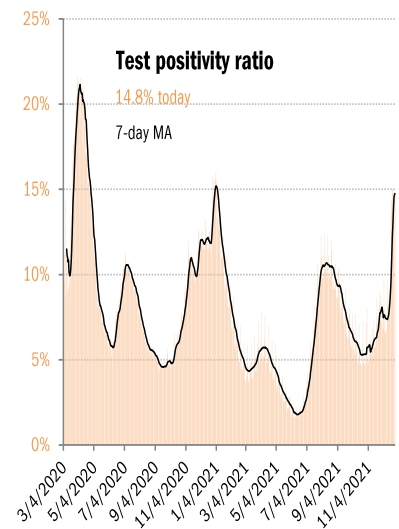
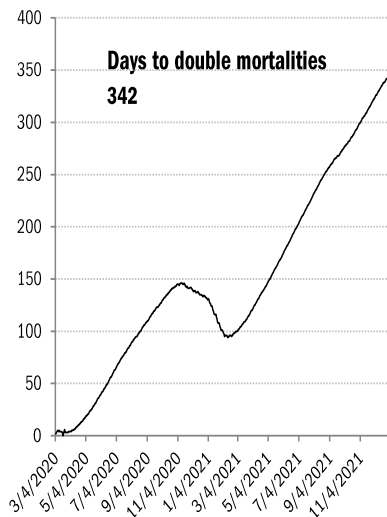
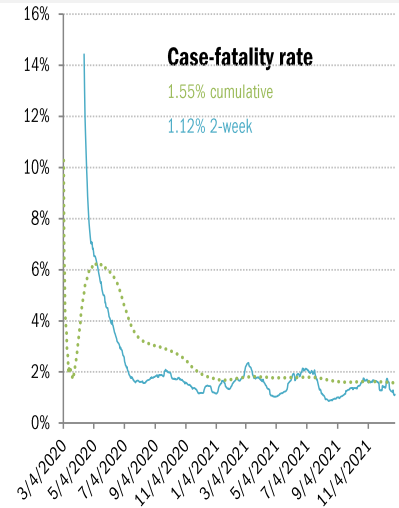
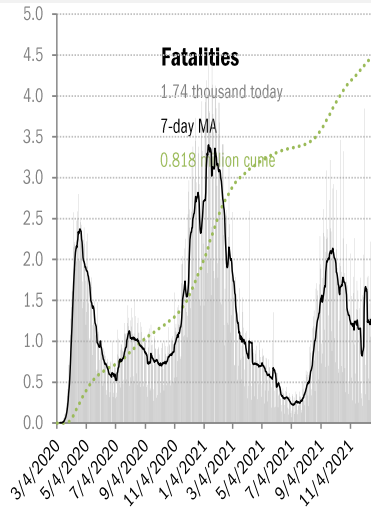
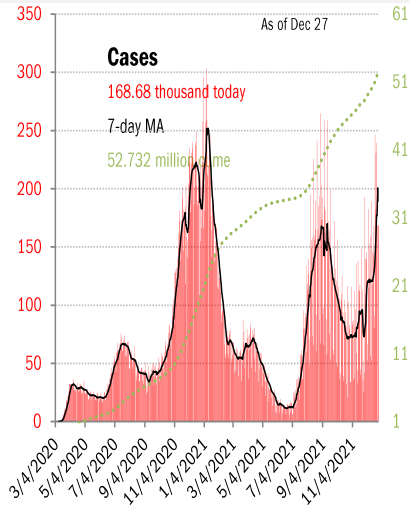
The demographics of US vaccination



Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

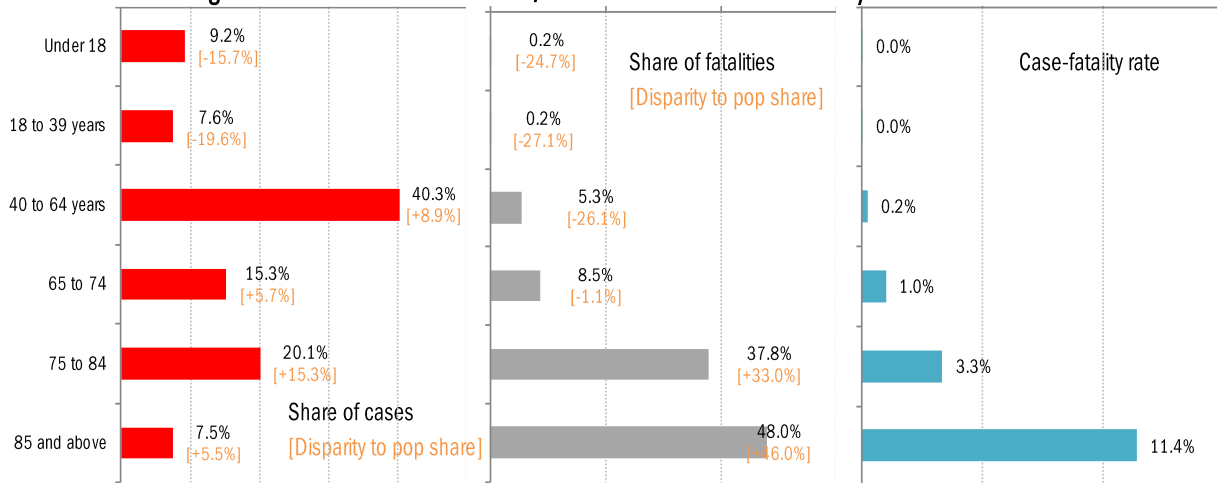
US deep-dive

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

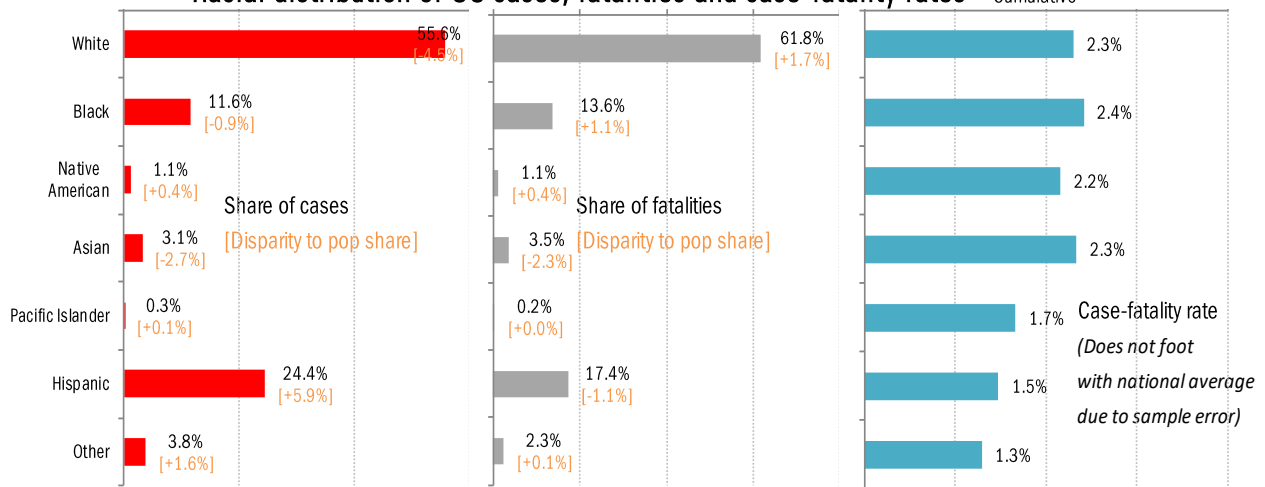


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

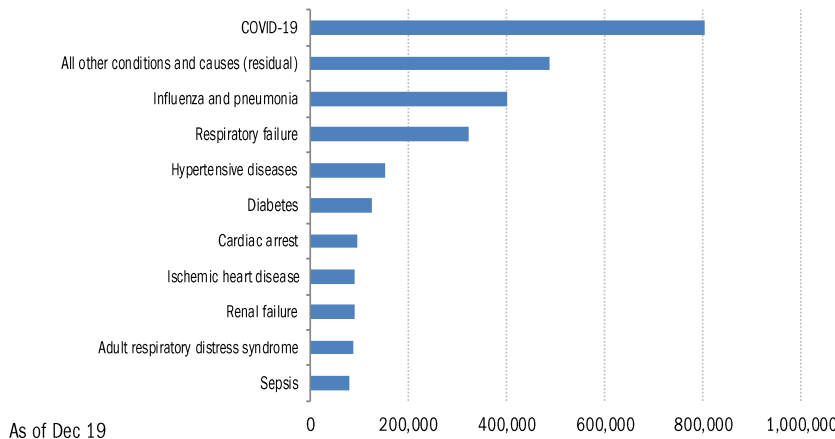


Racial distribution of US cases, fatalities and case-fatality rates



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

[COVID vaccines aren't working the way we were told they would](#)

Kaylee McGhee White
Washington Examiner
December 27, 2021

[70 Per Cent of London's COVID Hospitalisations Diagnosed After Being Admitted For Other Ailments](#)

Paul Joseph Watson
Summit News
December 23, 2021

[Coercion Made the Pandemic Worse](#)

David R. Henderson and Charles L. Hooper
Wall Street Journal
December 27, 2021

[The Biden Administration Rejected an October Proposal for "Free Rapid Tests for the Holidays"](#)

Katherine Eban
Vanity Fair
December 23, 2021

[Biden says 'there's no federal solution' to COVID after vowing to 'shut down the virus' last year](#)

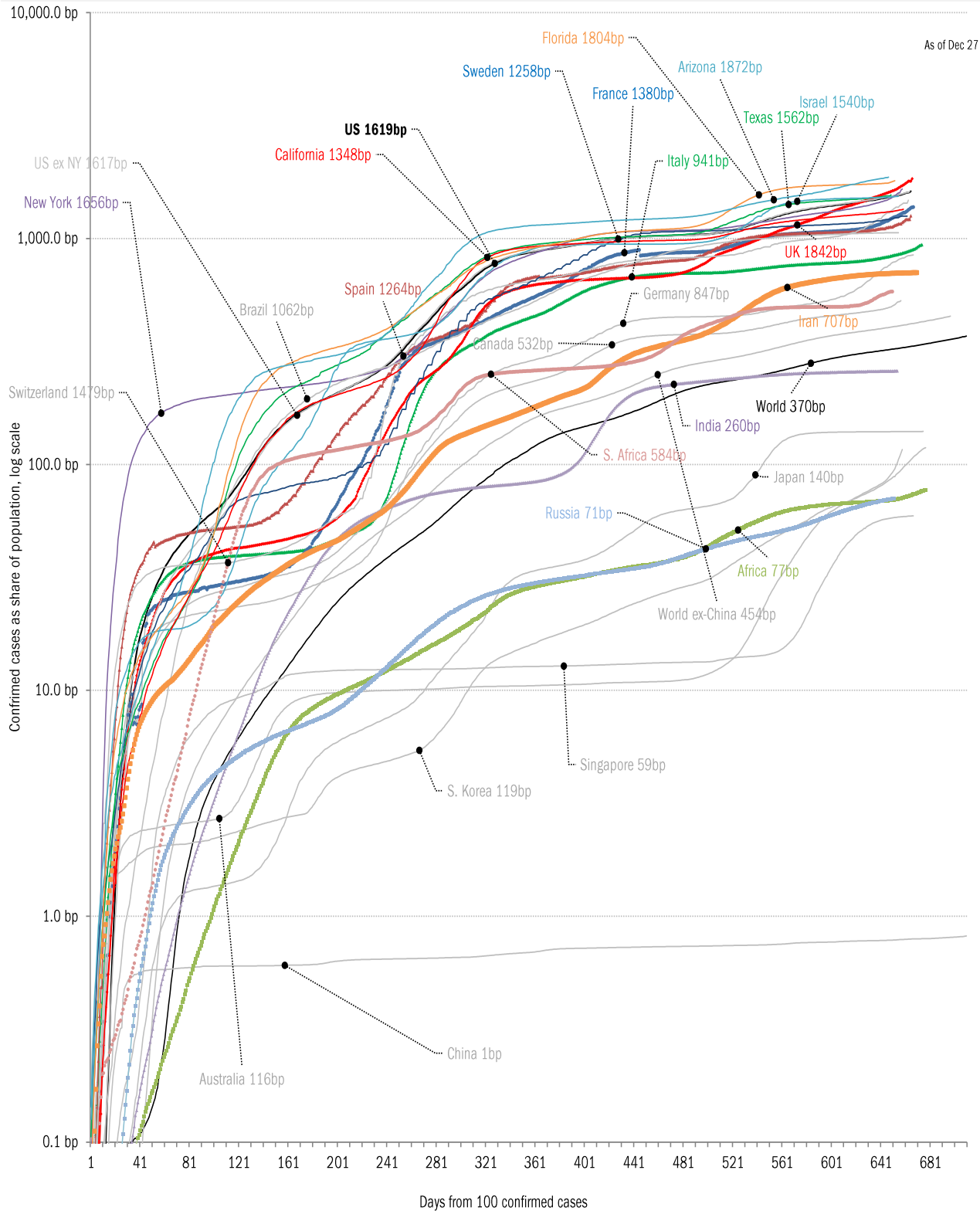
Libby Emmons
Post Millennial
December 27, 2021

Meme of the day



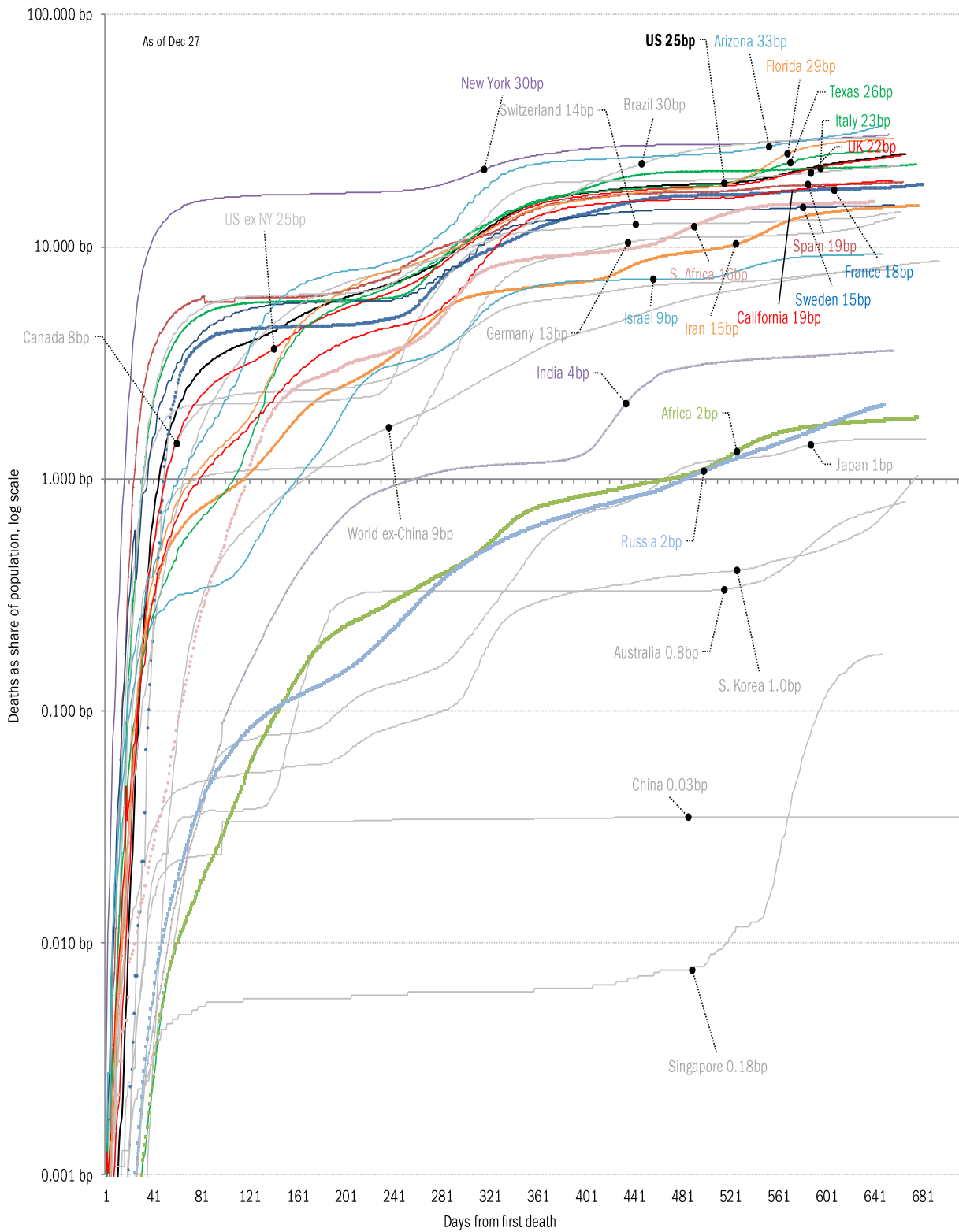
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

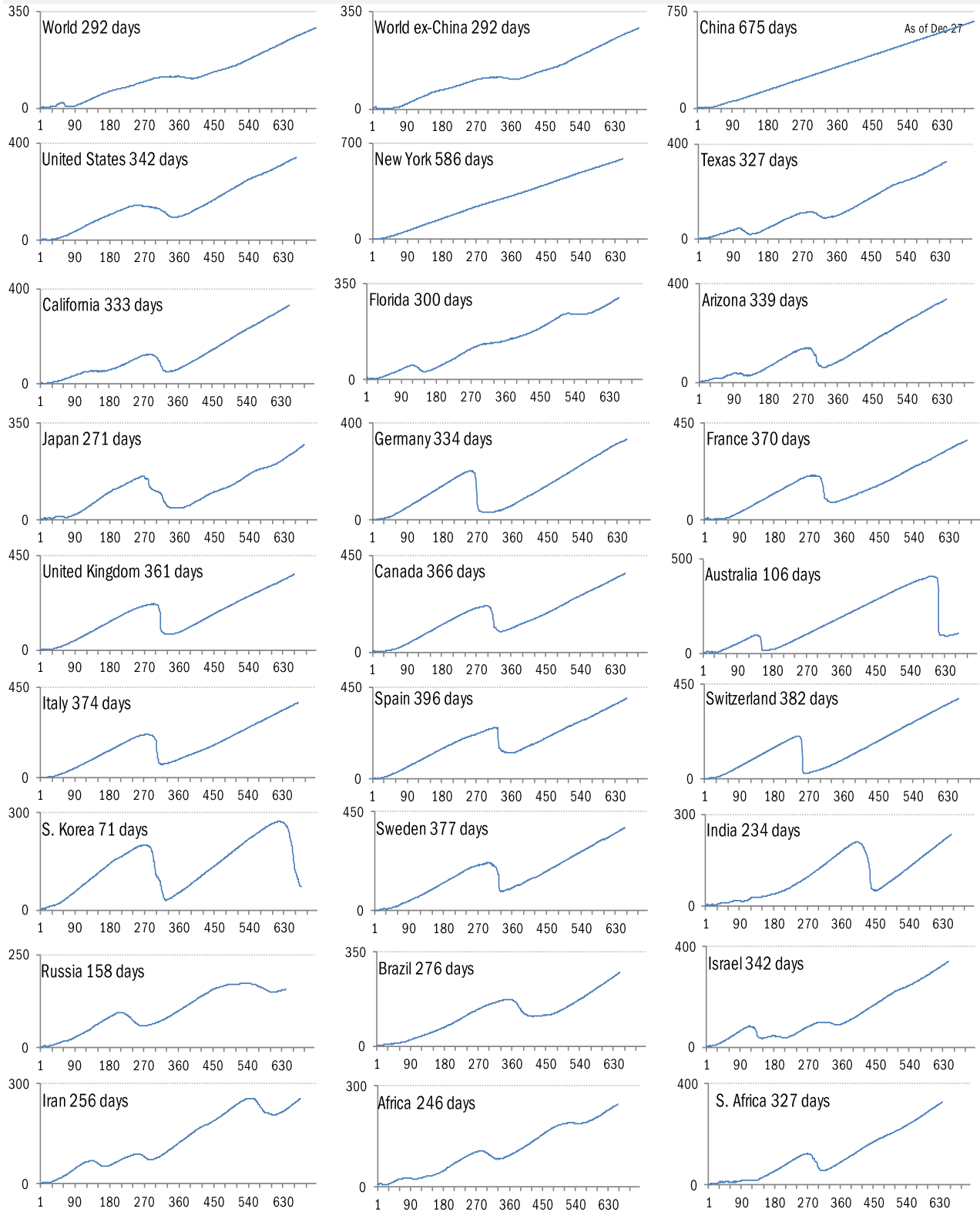


Source: [Johns Hopkins](#), TrendMacro calculations

"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

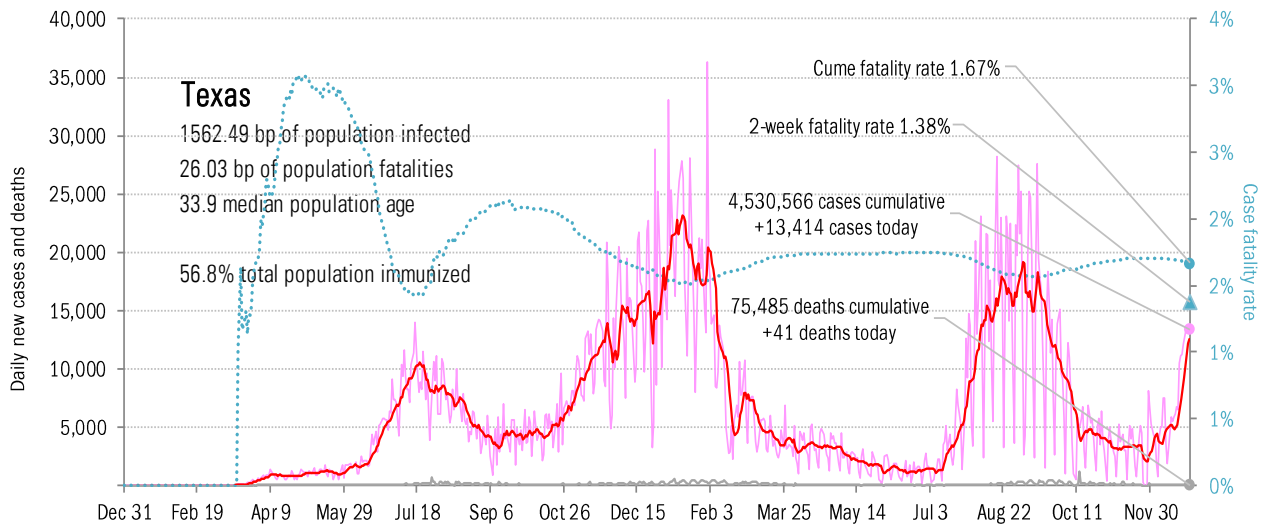
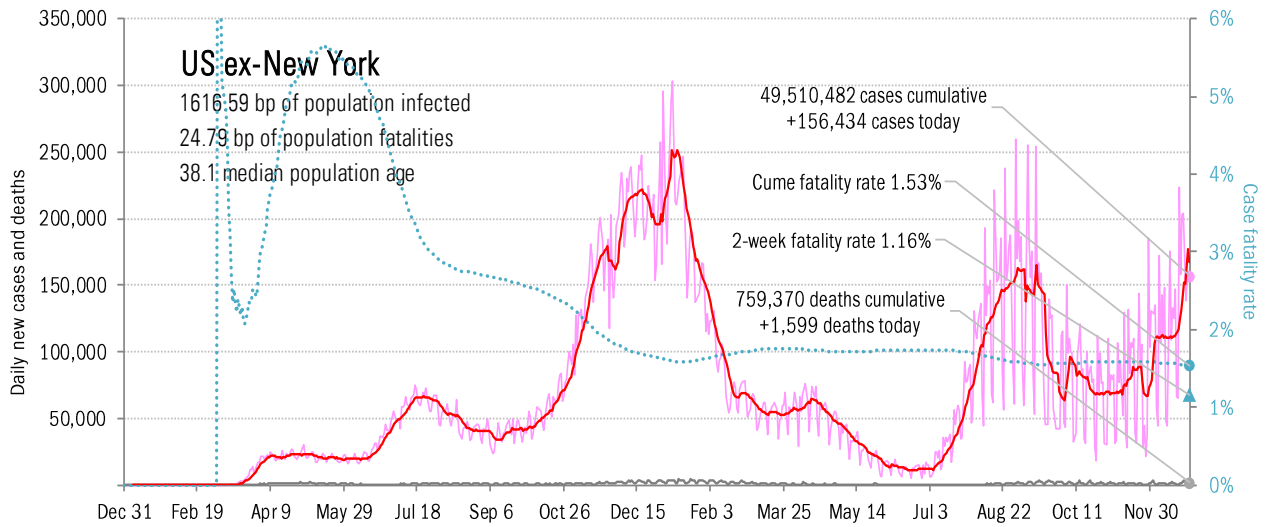
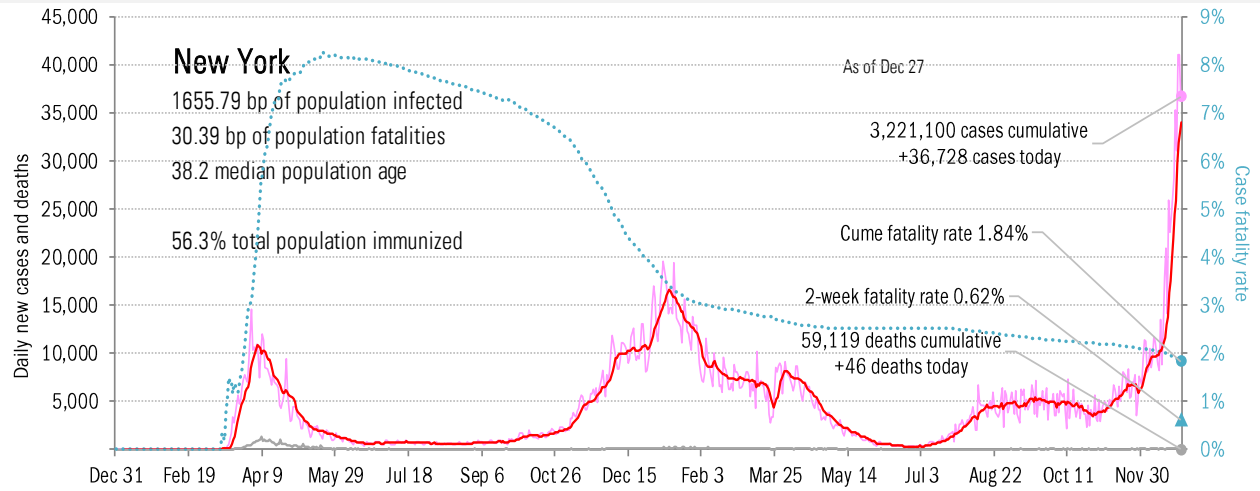
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

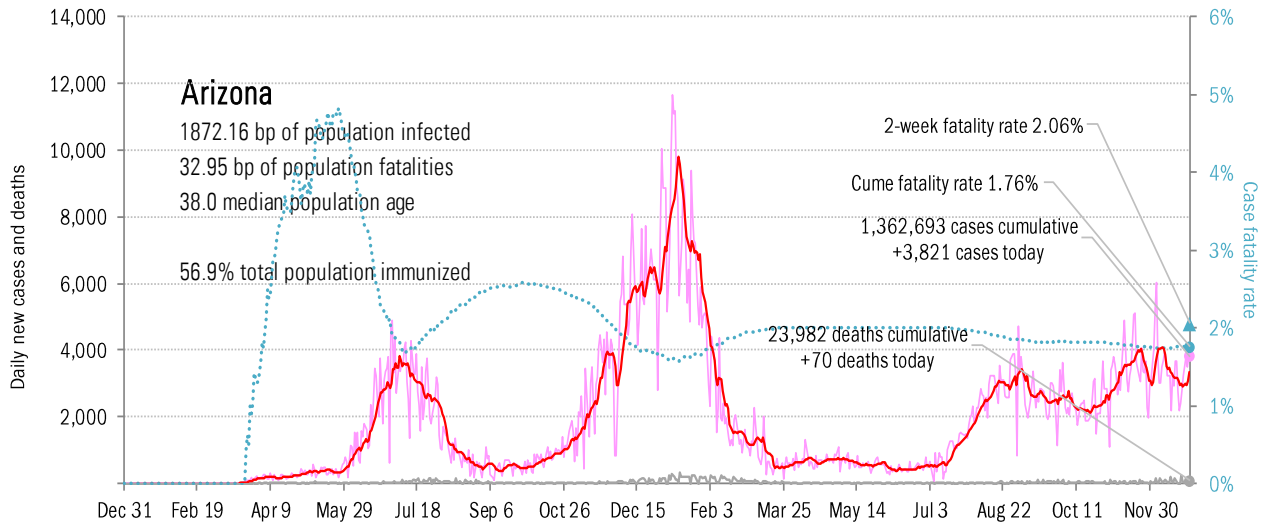
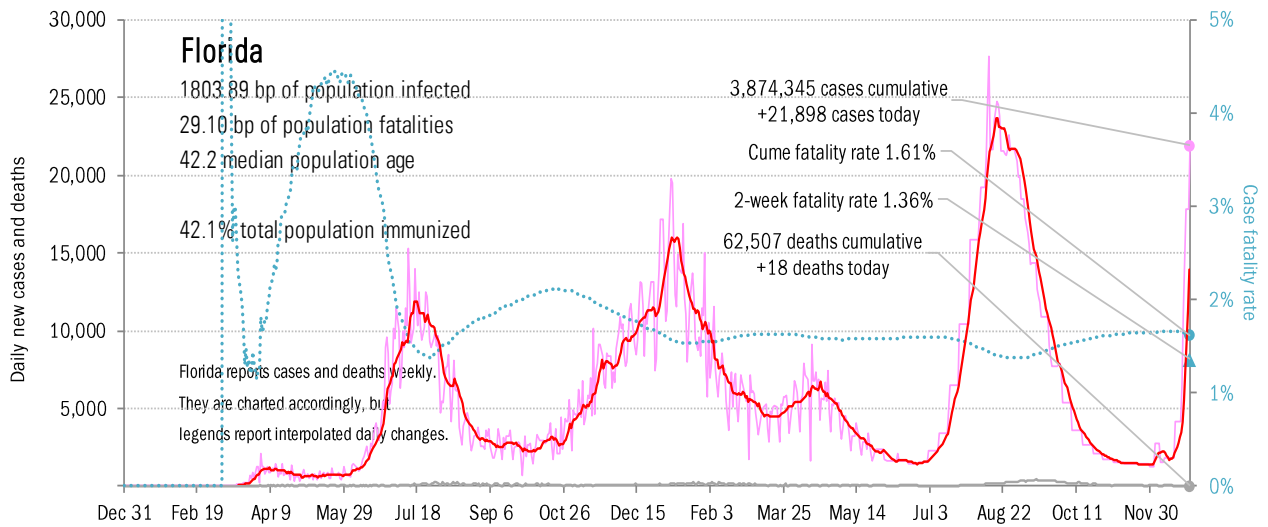
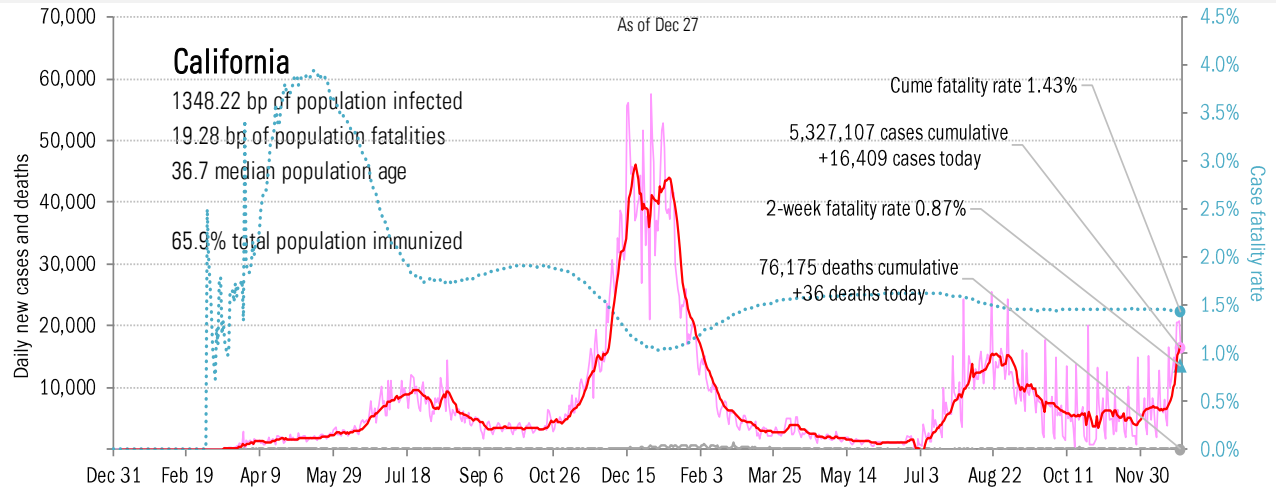
Cases: 7-day average and daily Deaths: Daily



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

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

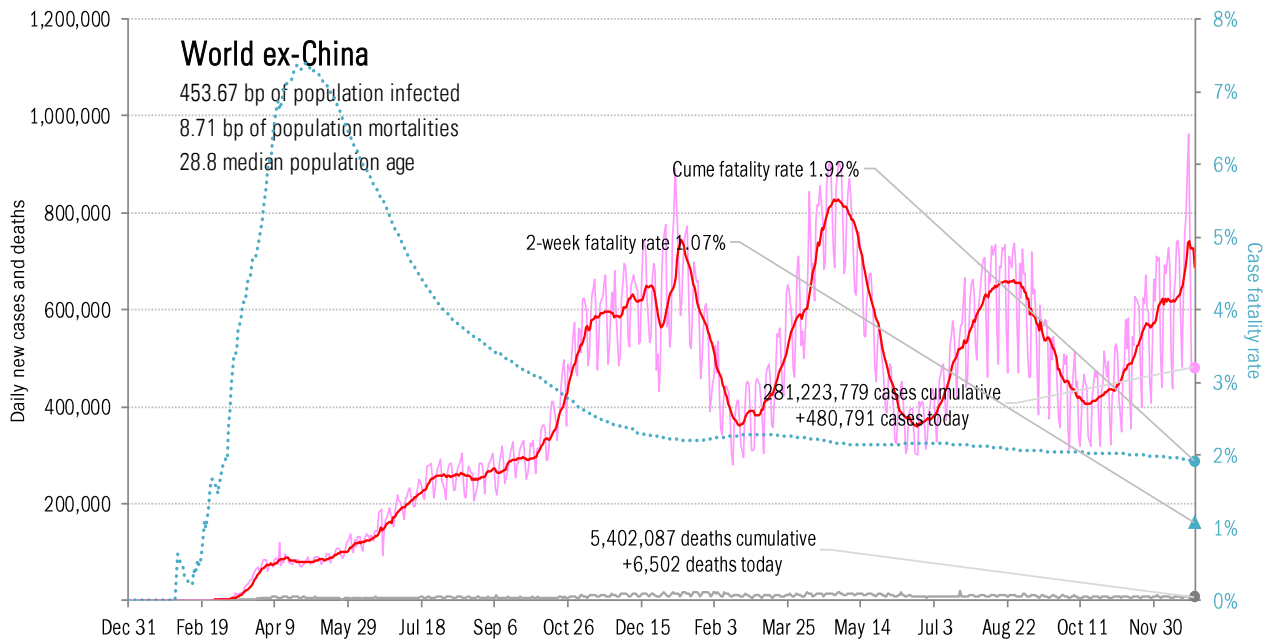
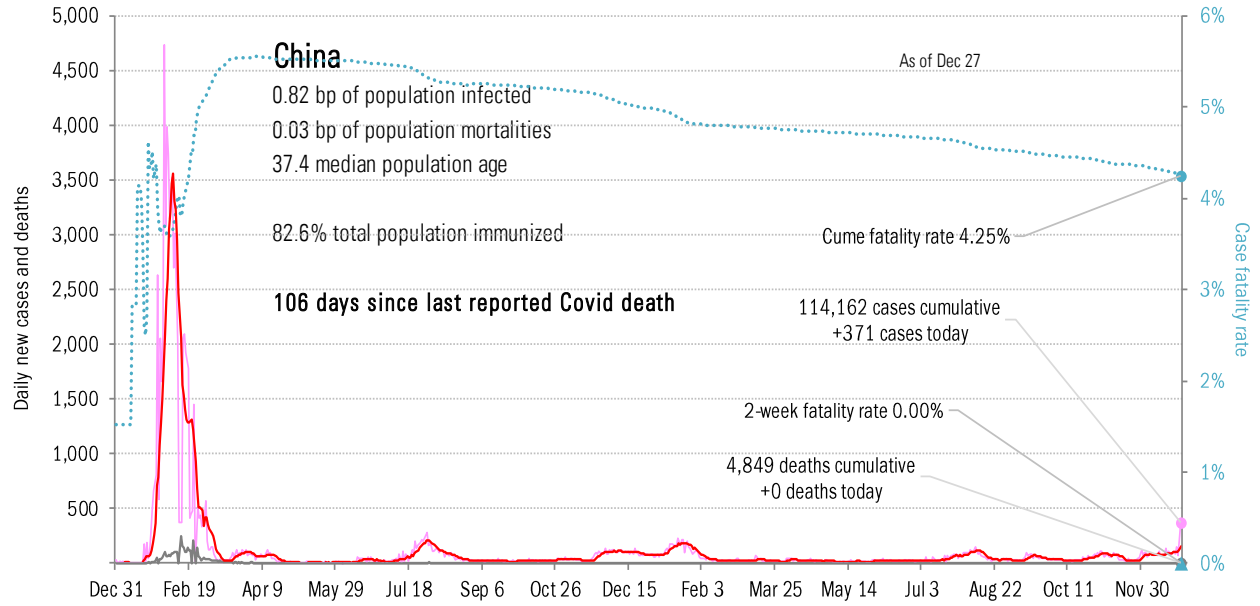
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

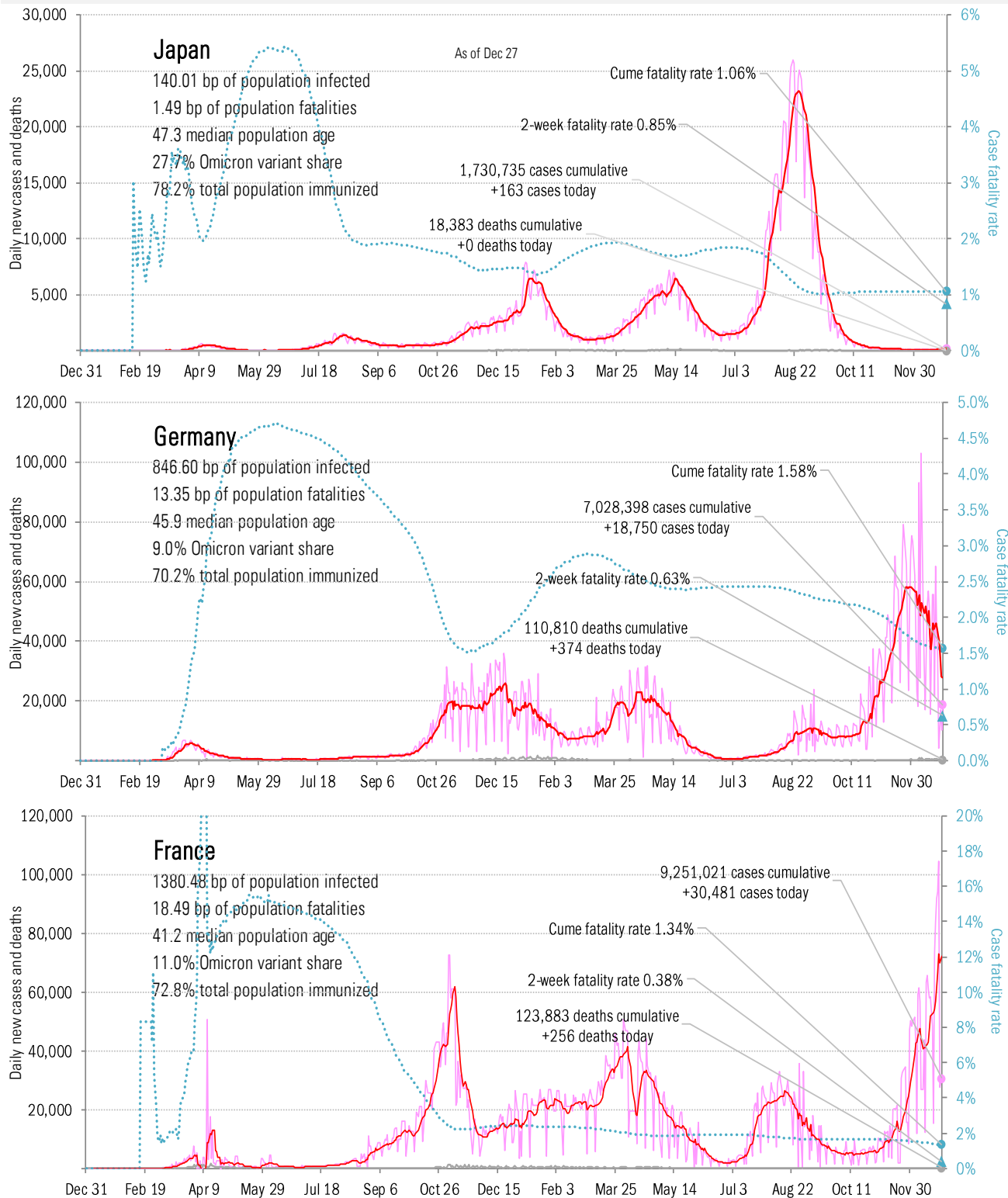
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

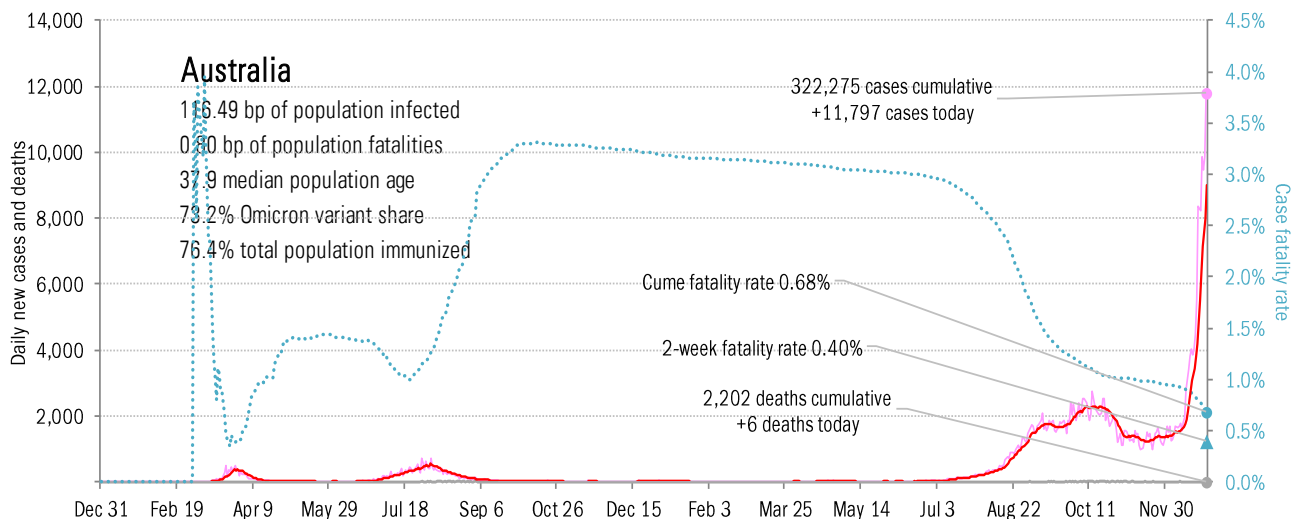
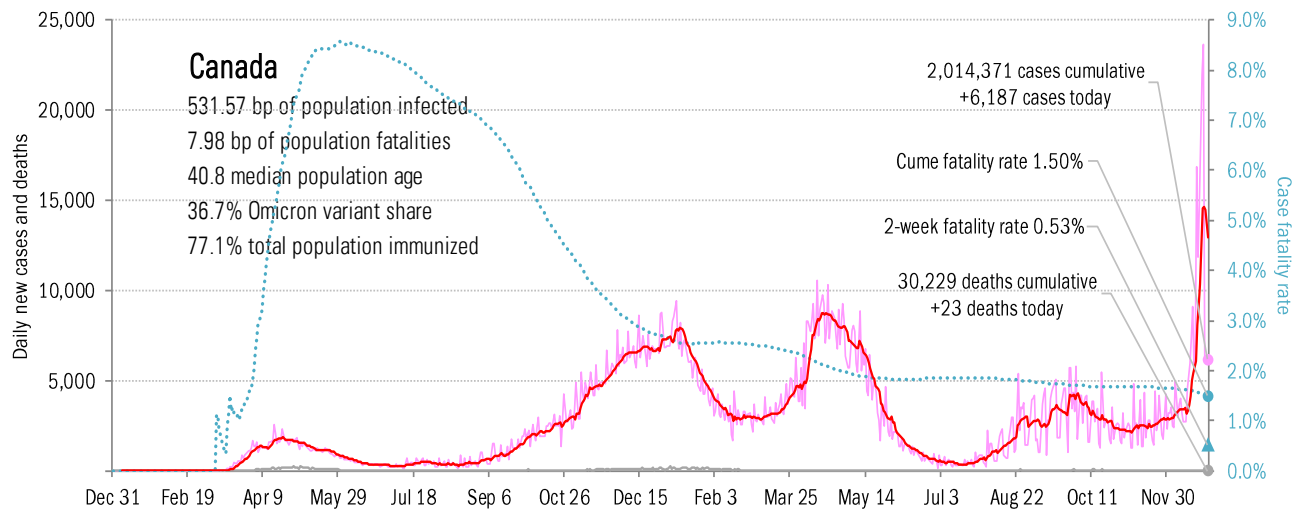
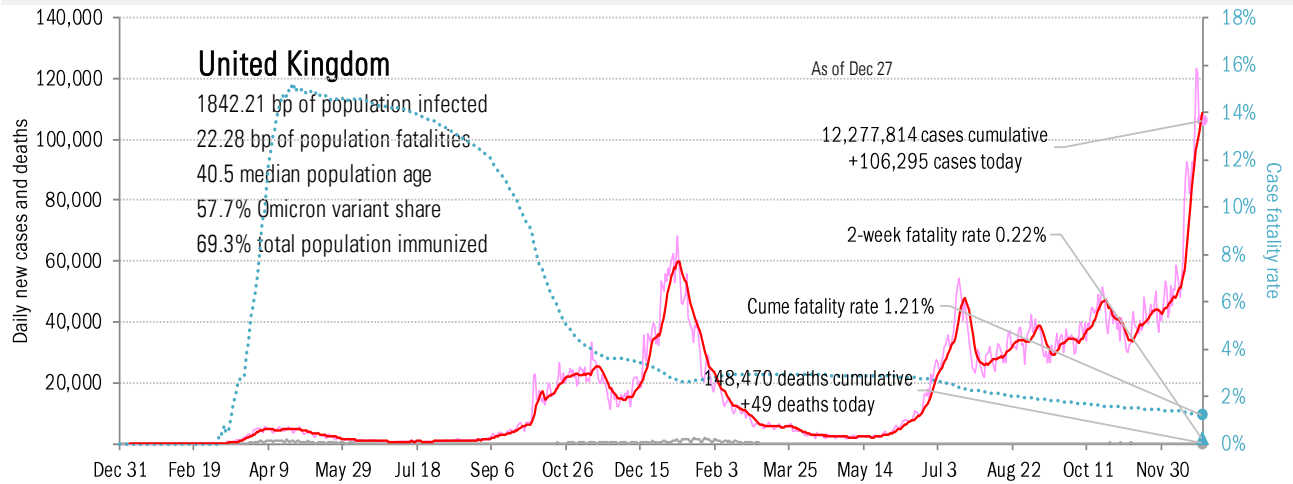
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

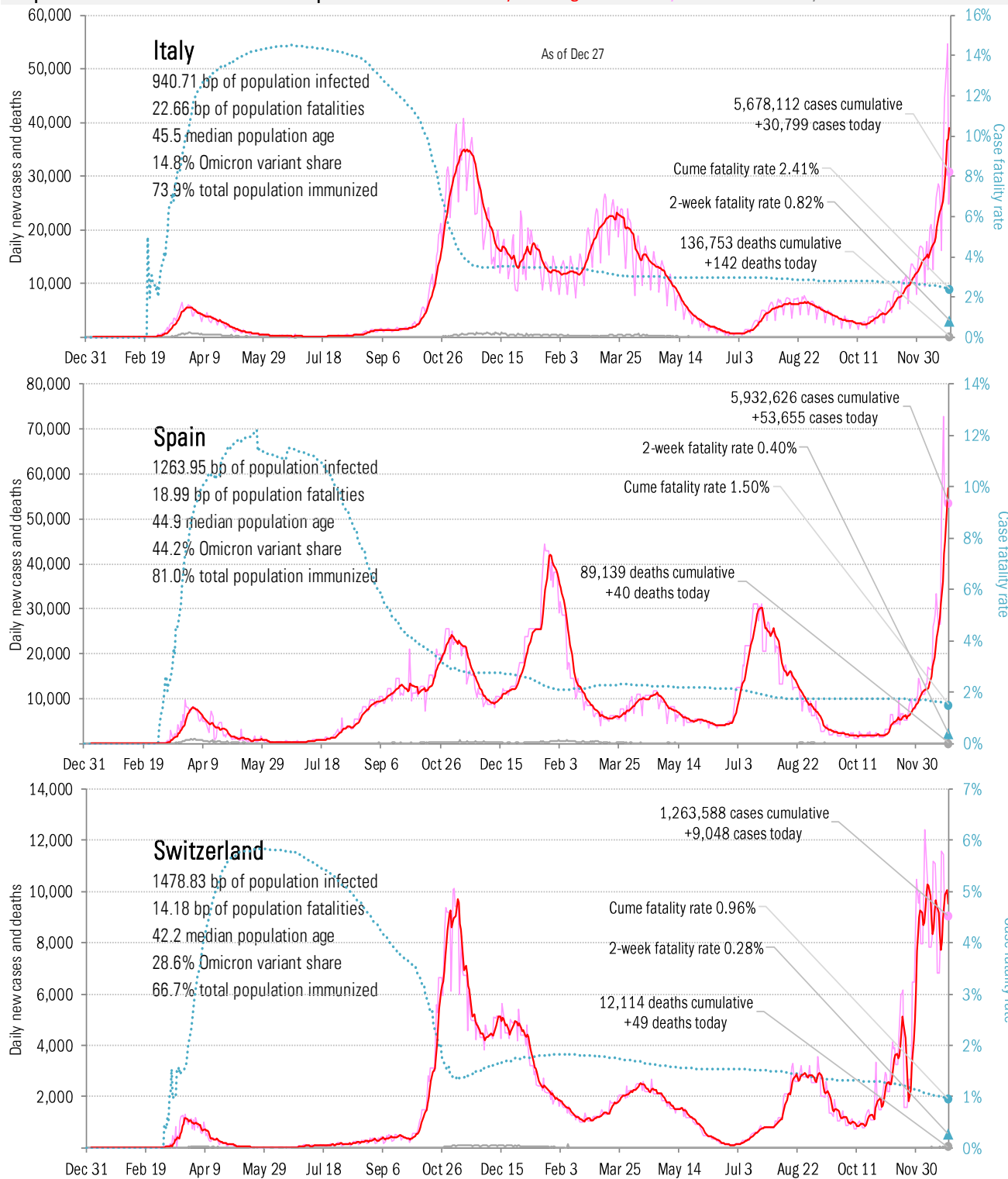
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

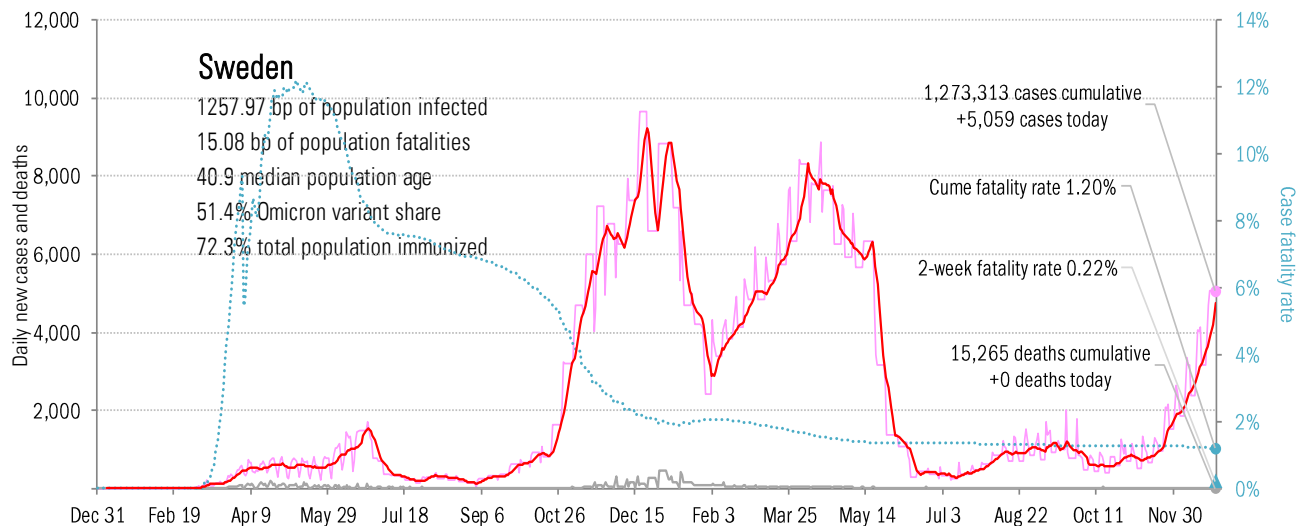
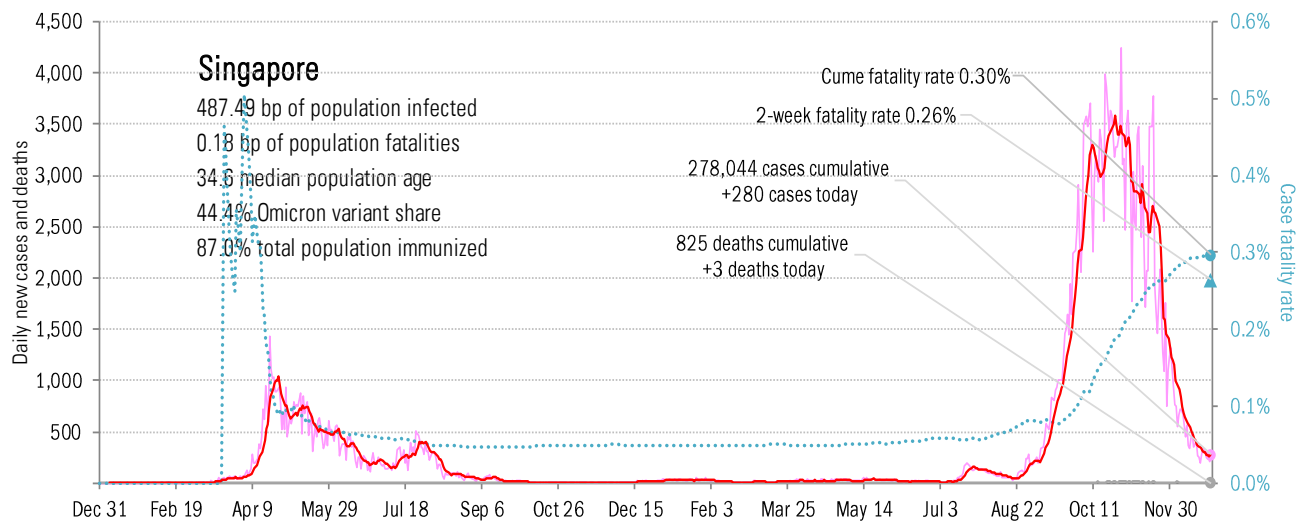
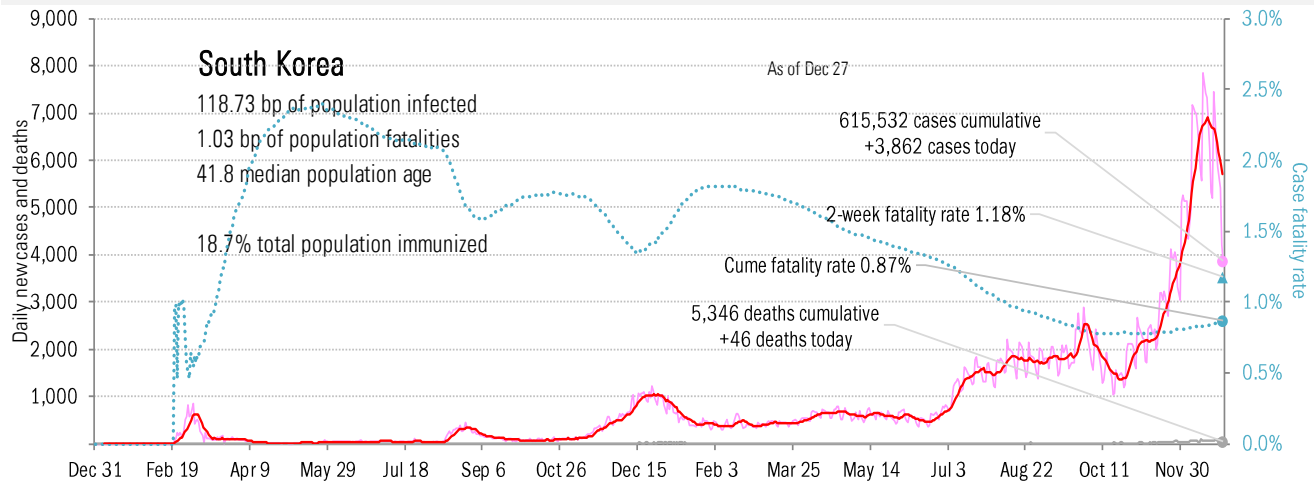
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

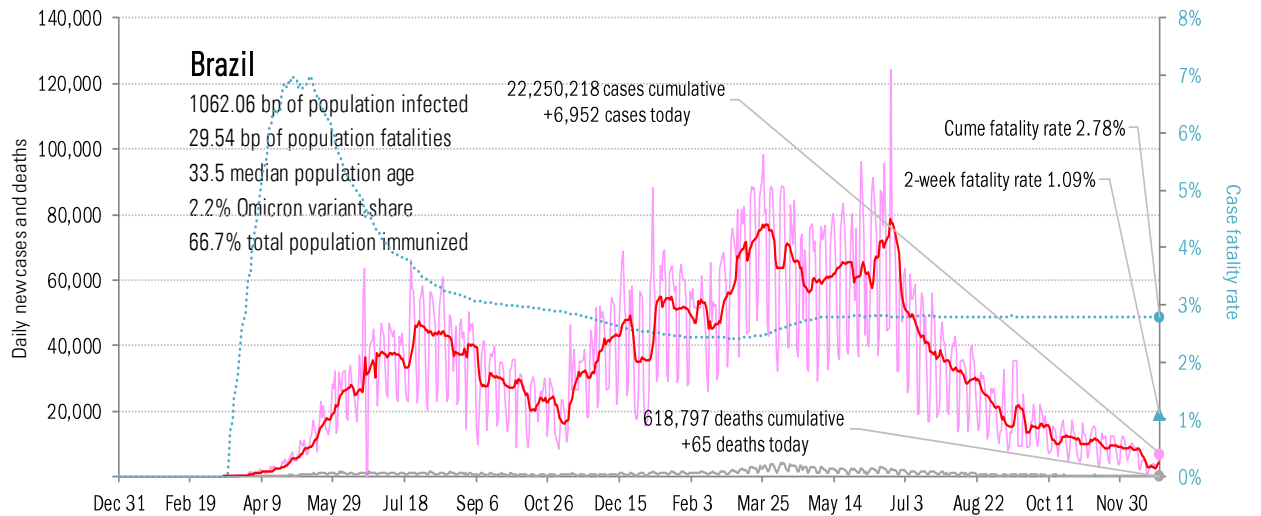
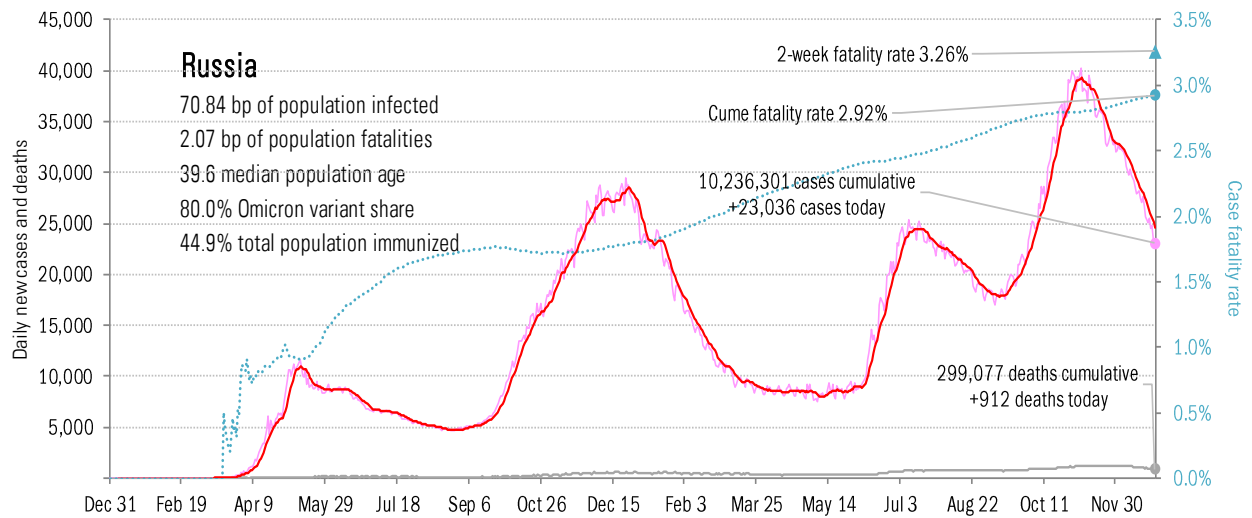
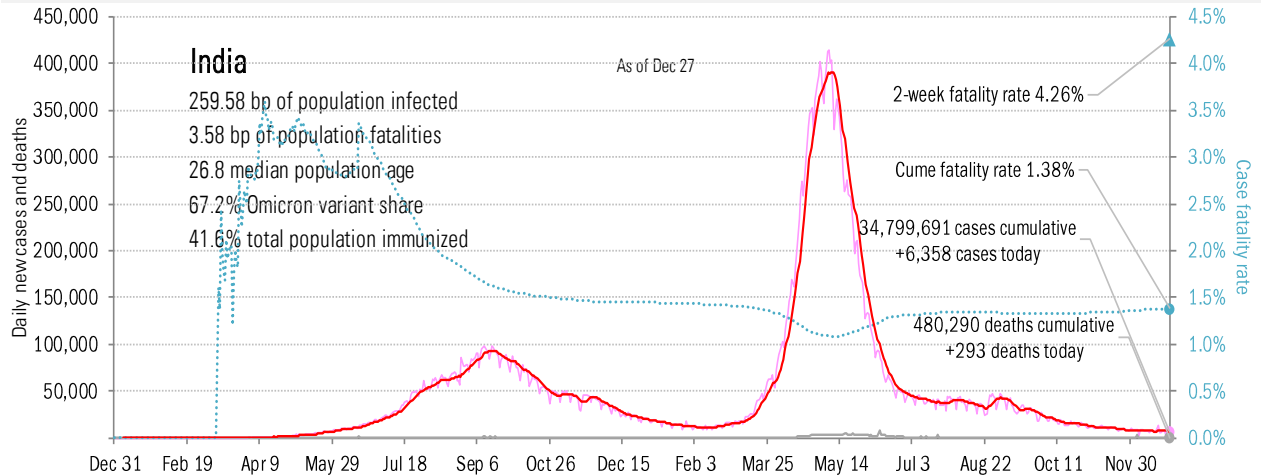
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

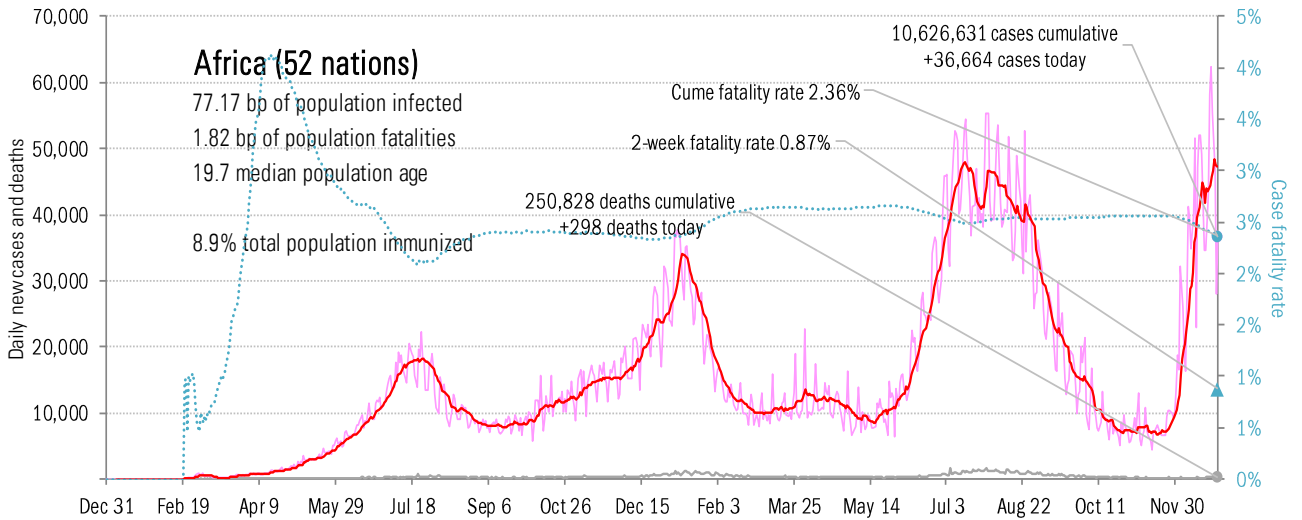
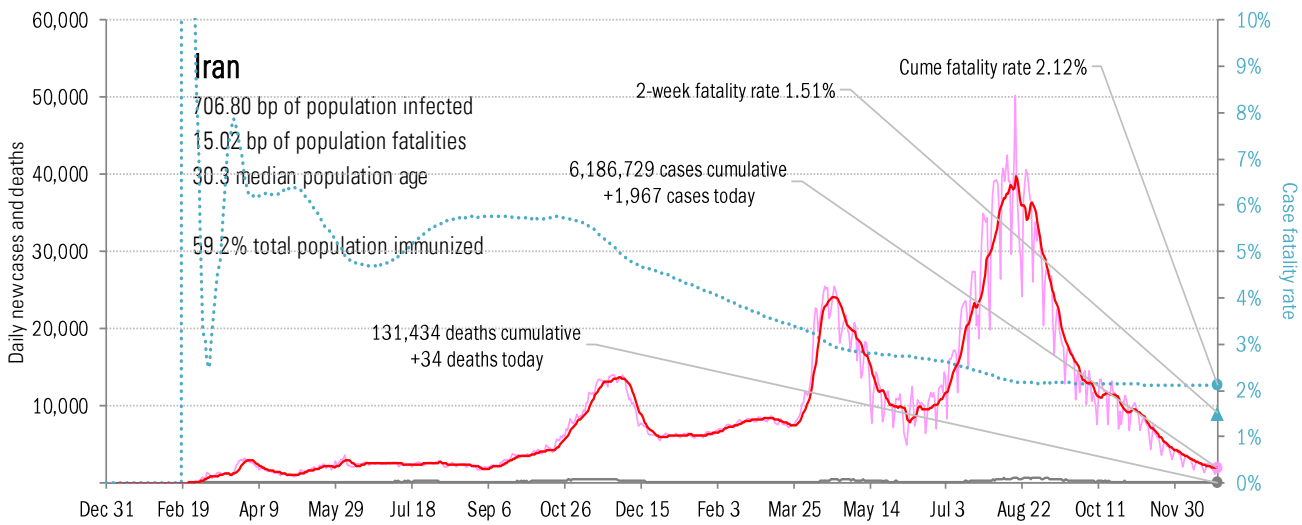
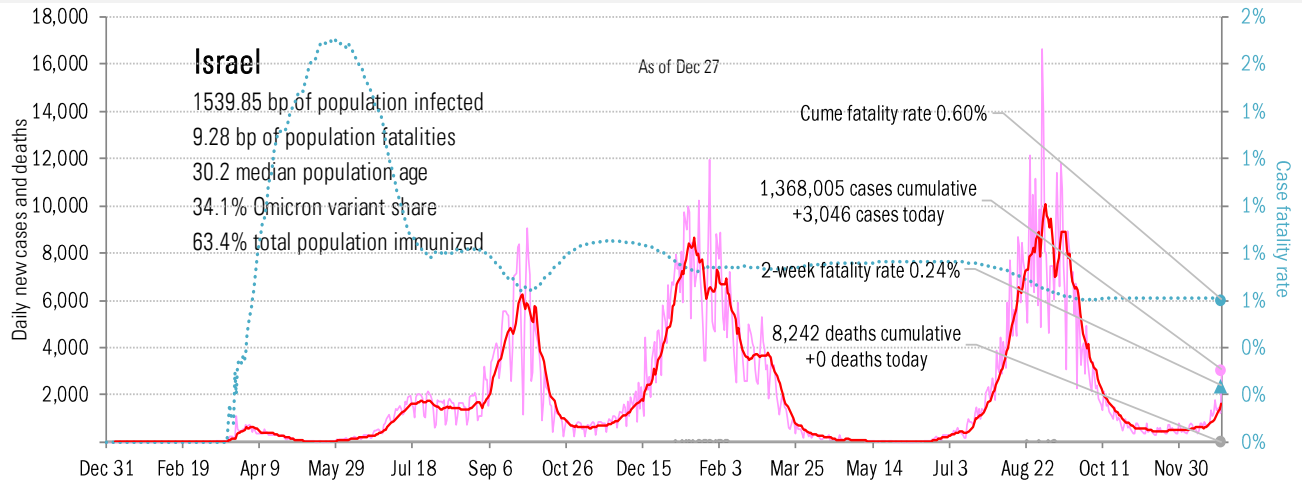
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

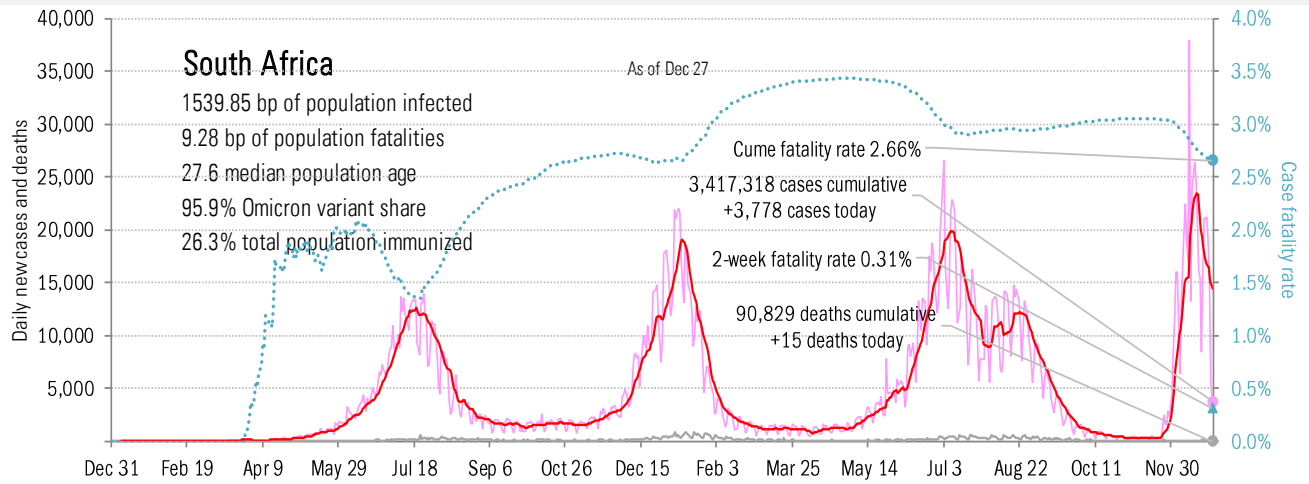
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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