

Data Insights: Covid-2019 Monitor

Friday, November 25, 2022

The global scorecard

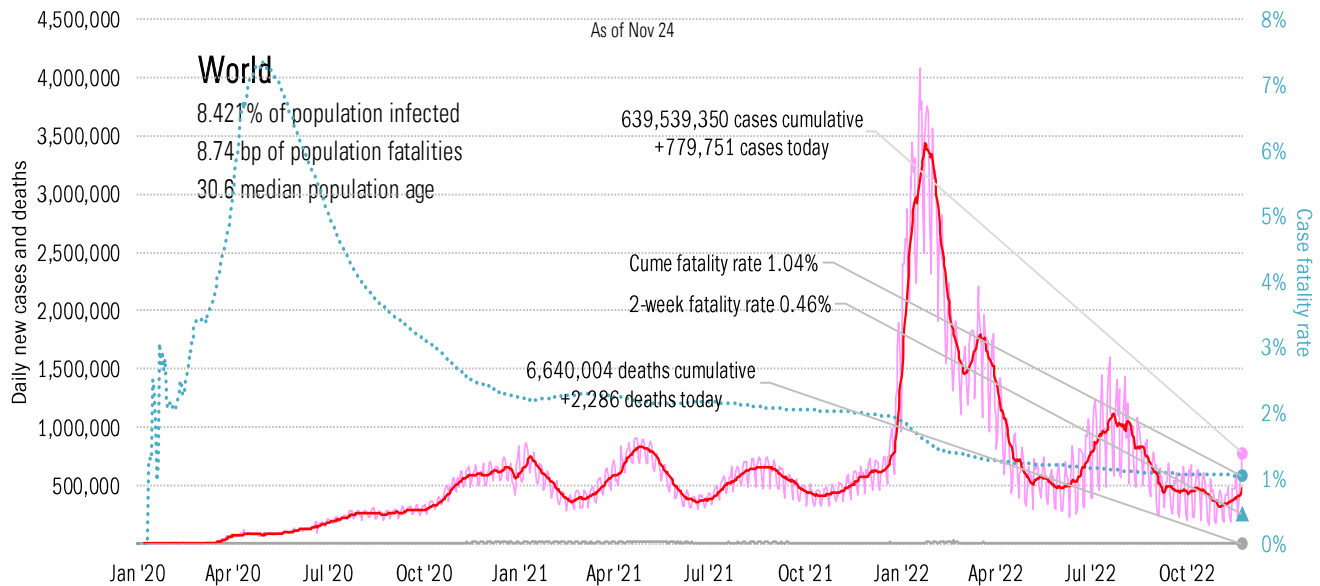
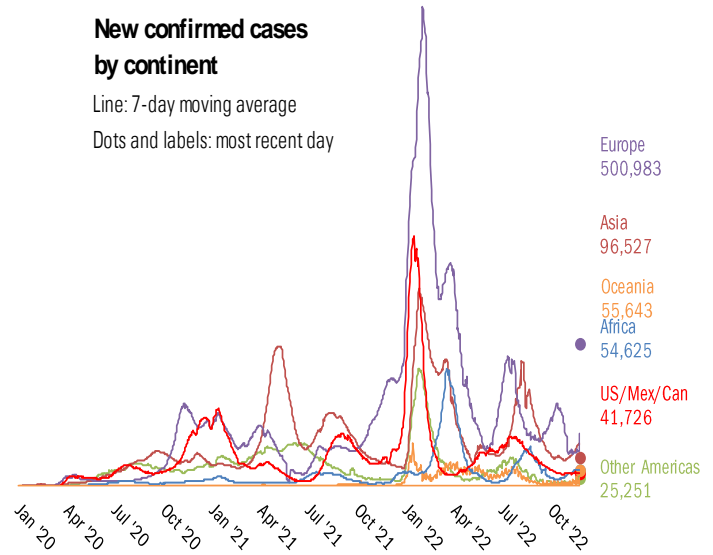
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	60,108	United States	527
Korea, South	53,698	United Kingdom	50
United States	53,625	Germany	274
France	50,530	Japan	130
Germany	30,016	Sweden	15
Italy	29,764	Finland	92
Brazil	23,205	Brazil	70
Taiwan*	16,040	Canada	67
Finland	9,600	Taiwan*	65
Australia	7,939	France	60
334,525		1,350	
World	779,751	World	2,286
Top ten	43%	Top ten	59%

New confirmed cases by continent

Line: 7-day moving average
 Dots and labels: most recent day



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

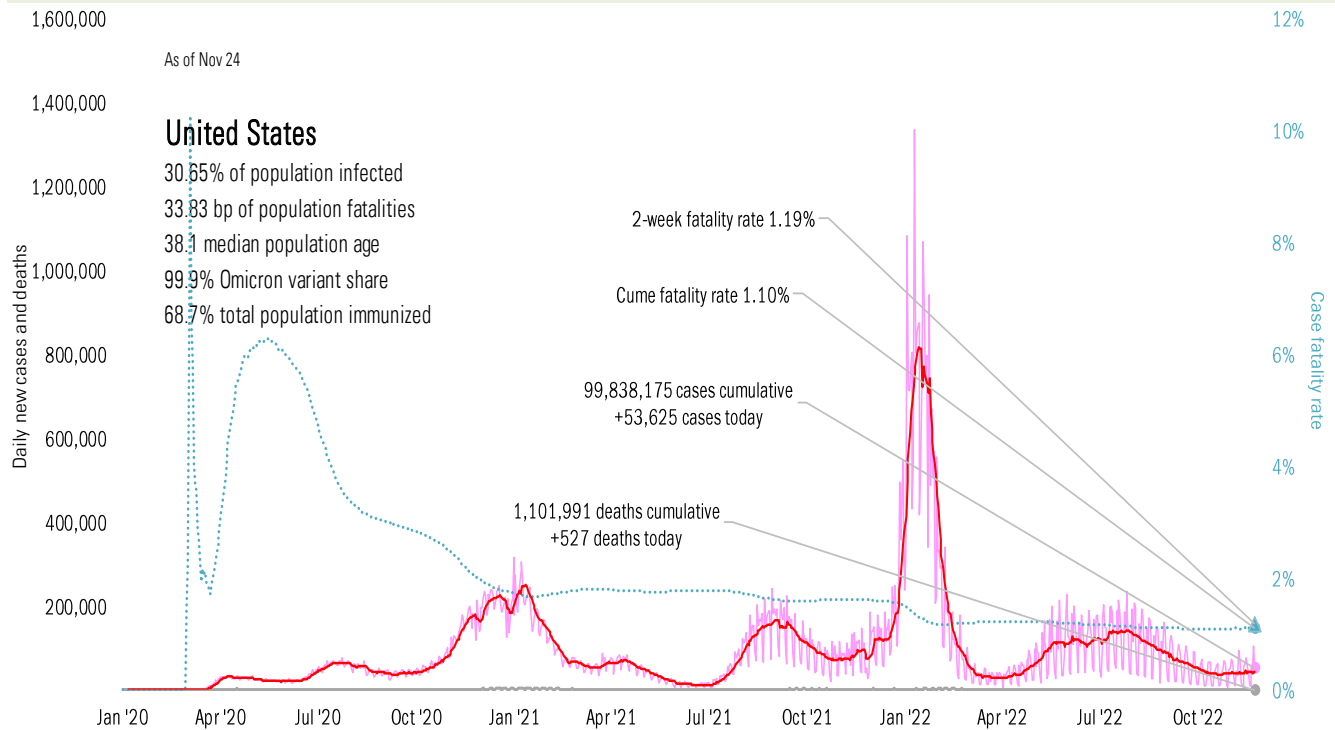
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
PA	9,561		NY	72		TX	261		CA	11,485,817		CA	97,416		TX	554,769		RI	91%	NH	88%
TX	4,901		CA	61		CA	495		TX	8,084,617		TX	91,380		CA	516,489		MN	87%	TX	85%
CA	3,520		FL	48		AZ	151		FL	7,239,478		FL	82,875		FL	503,143		MA	86%	MA	84%
FL	3,355		MI	39		GA	102		NY	6,351,589		NY	73,787		NY	318,683		WA	85%	AK	84%
NY	2,910		NV	24		NJ	174		IL	3,860,866		PA	48,271		GA	229,641		NH	84%	AL	83%
IL	2,711		PA	21		FL	198		PA	3,350,067		GA	41,024		CH	227,025		MO	83%	NC	83%
AZ	1,916		VI	16		MA	103		NC	3,268,501		CH	40,466		PA	213,402		GA	83%	NM	83%
KY	1,834		MA	16		TN	65		CH	3,227,759		IL	40,247		IL	195,073		WV	82%	DC	82%
CH	1,571		GA	16		MO	91		GA	2,937,280		MI	39,972		MI	169,755		CA	81%	RI	81%
CO	1,552		CH	15		LA	79		MI	2,929,612		NJ	35,079		KY	147,668		MD	81%	GA	81%
33,830			327			1,719			52,735,586			590,517			3,075,648						
All states	53,625			527			4,031		All states	99,838,175			1,101,991			5,586,949		All states	70%		67%
Top ten	63%			62%			43%		Top ten	53%			55%			55%		Median	78%		74%

Some states not reporting

Five most improved US states

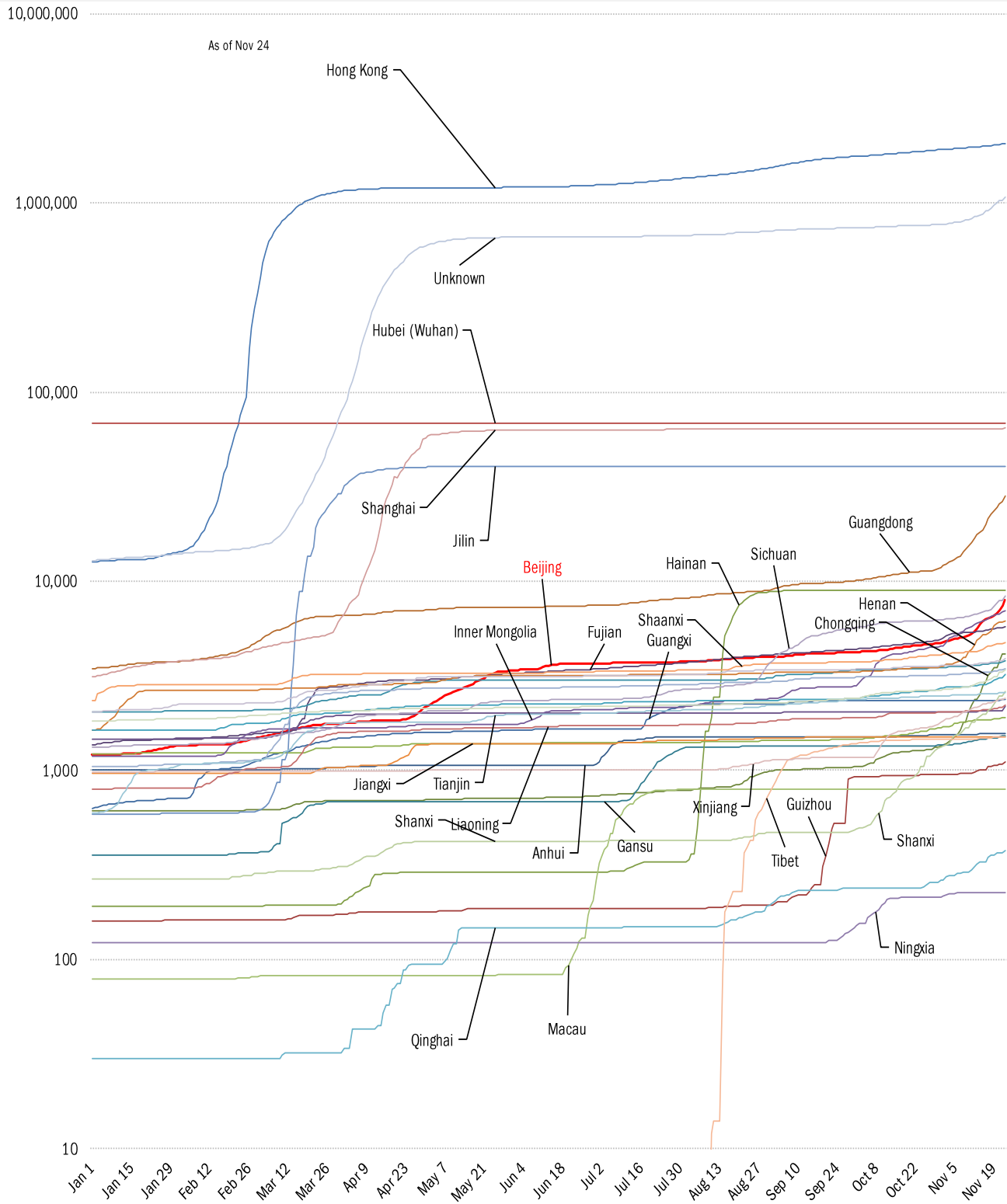
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-574	DE	-9	IL	-48
WA	-552	WV	-4	PA	-38
CT	-481	NH	-3	CH	-20
AK	0	TN	-3	WA	-19
AL	0	AL	-2	CT	-13



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

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

Cumulative reported cases this year, log scale: flat line indicates "zero Covid"

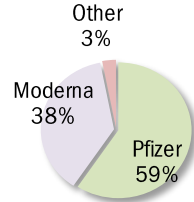


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	667,039,757		+0.623 million		US	68.6%	80.4%
			Of which boosters: +0.560 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%
Total population	275,804,550	83%	234,917,605	70%	+0.052 million	Spain	85.5%
Age 12 to 17	18,368,587	73%	15,705,157	62%	+0.002 million	Germany	76.2%
Age 18 to 64	183,557,662	90%	155,937,514	77%	+0.029 million	Italy	81.3%
Age 65 and over	60,811,399	100%	53,206,659	97%	+0.011 million	Australia	83.2%
						Israel	65.2%
						Canada	82.4%
						Japan	83.1%
						Africa	24.8%
						India	67.1%
						Brazil	80.2%
						China	89.2%



AK	72.4%
	64.7%

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

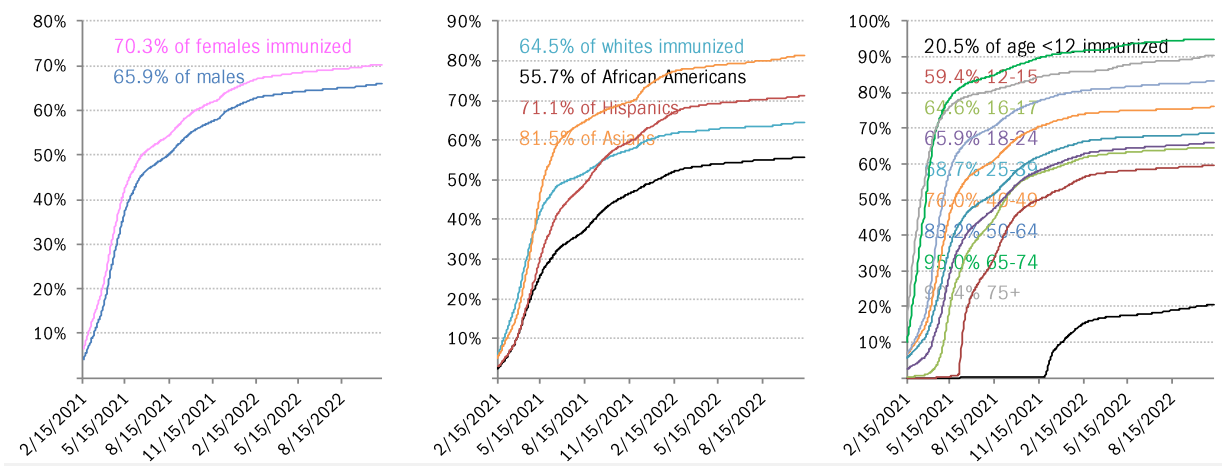
*Immunity" = two doses

Best
Middle
Worst

Global data differs due to sources, timing

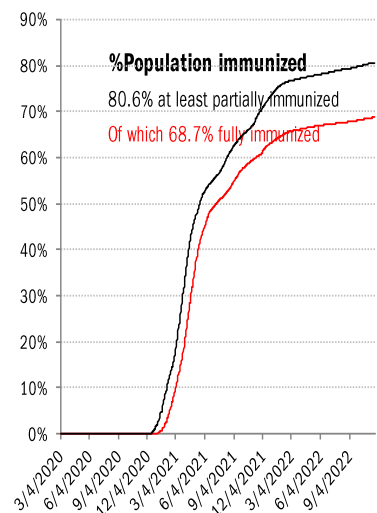
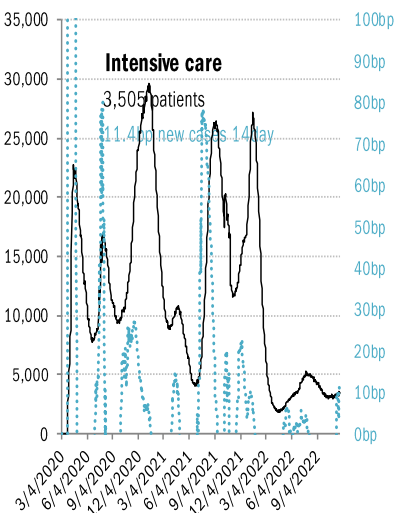
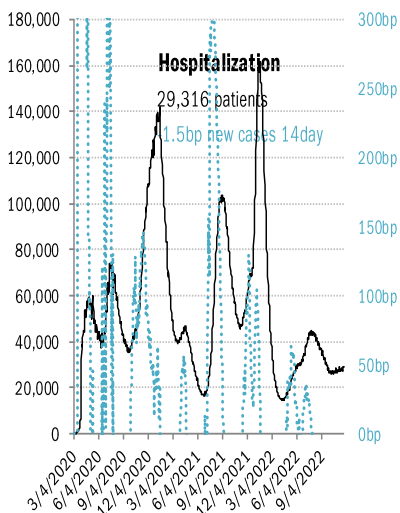
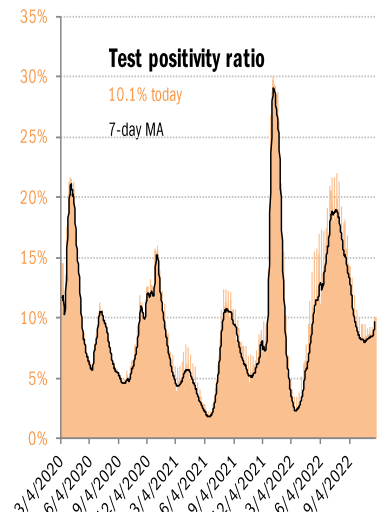
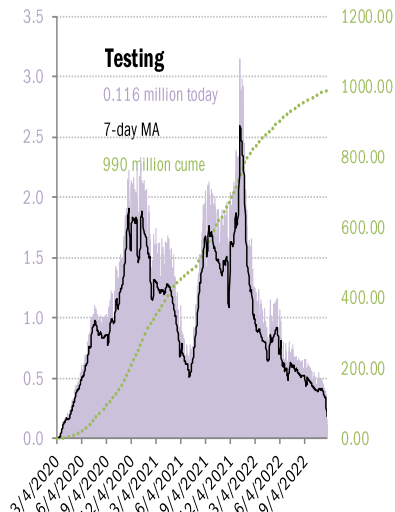
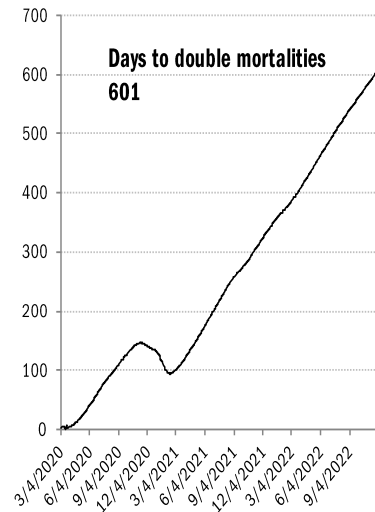
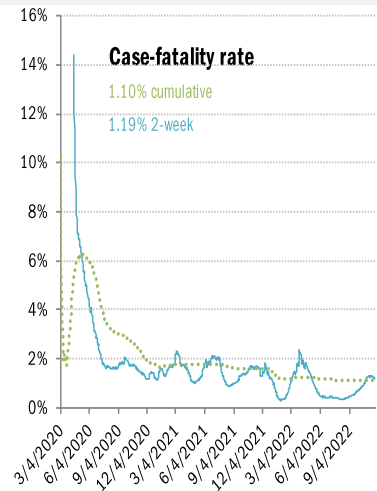
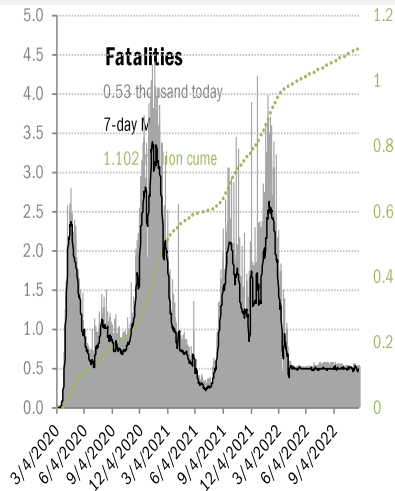
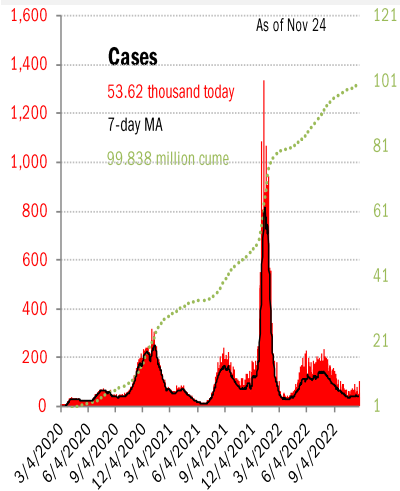
As of Nov 18											
					WI					ME	
					74.4%					95.0%	
					67.7%					82.5%	
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
84.4%	63.4%	67.7%	68.6%	78.0%	78.7%	69.0%			93.5%	95.0%	86.3%
75.3%	56.0%	58.7%	58.0%	71.5%	70.8%	61.9%			79.9%	84.6%	70.5%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
80.7%	78.1%	60.4%	82.6%	70.1%	63.9%	65.2%	89.4%		93.7%	95.0%	
71.7%	63.0%	52.7%	65.5%	63.9%	57.4%	60.0%	72.3%		78.4%	83.1%	
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT	RI
85.7%	74.5%	82.9%	72.7%	68.7%	68.3%	67.0%	89.9%		90.7%	95.0%	95.0%
74.6%	66.1%	72.9%	65.7%	58.5%	59.2%	59.4%	75.9%		78.9%	82.3%	86.8%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE	
	76.5%	92.9%	75.4%	69.2%	64.0%	90.5%	70.3%		95.0%	86.6%	
	65.5%	74.4%	64.6%	56.4%	56.0%	66.0%	59.4%		84.1%	72.0%	
			OK	LA	MS	AL	GA				
			73.9%	62.5%	61.3%	64.5%	67.7%				
			59.9%	54.8%	53.4%	52.7%	56.7%				
			TX						FL		PR
			75.6%						81.8%		95.0%
			62.8%						68.9%		86.5%

The demographics of US vaccination

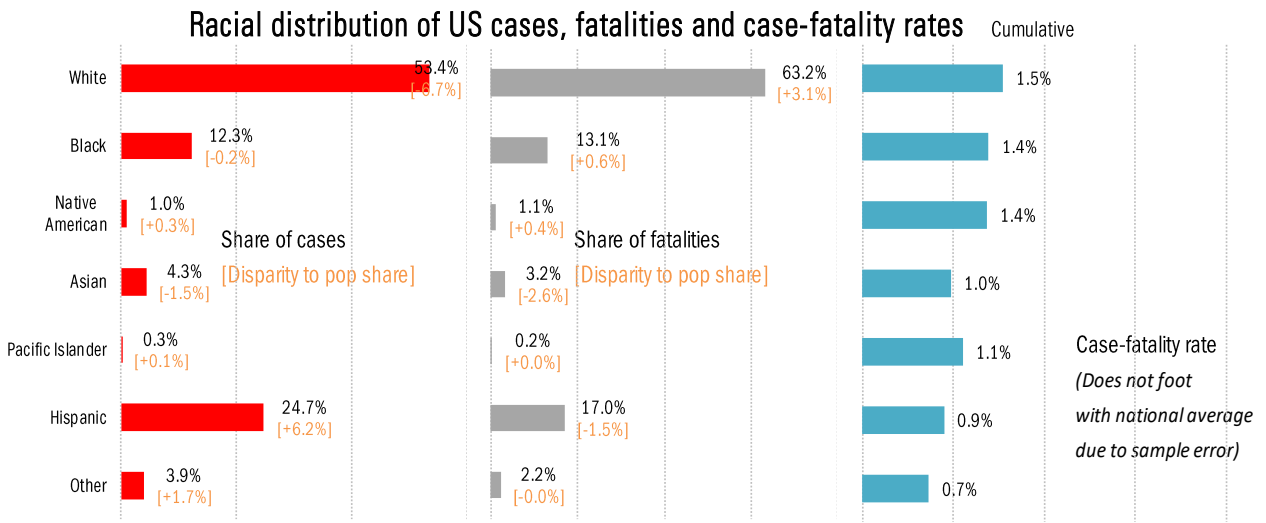
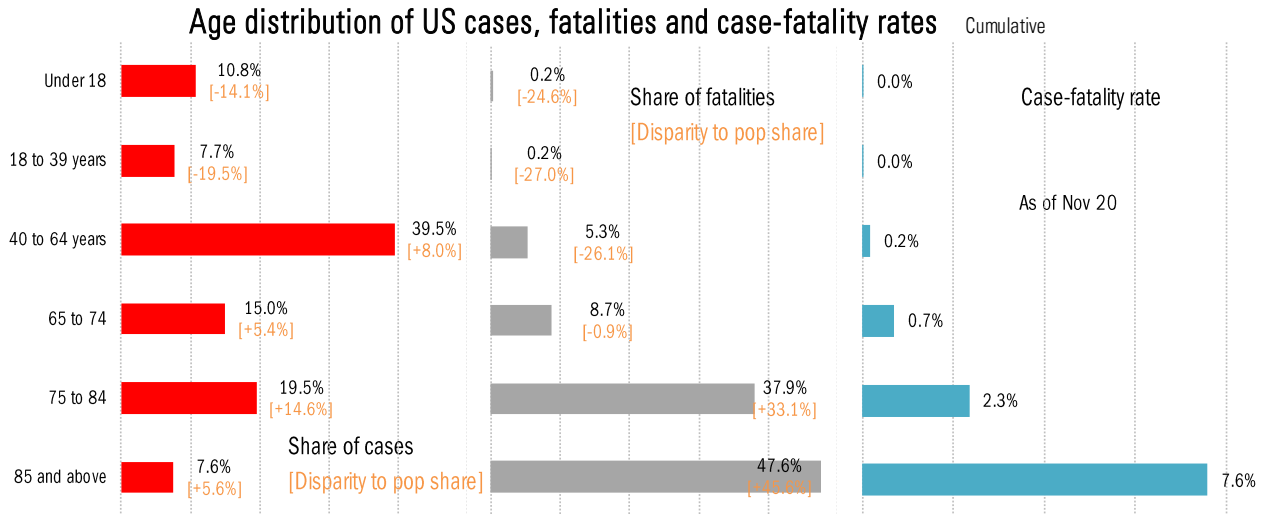


Source: CDC, CDC, Our World in Data, TrendMacro calculations

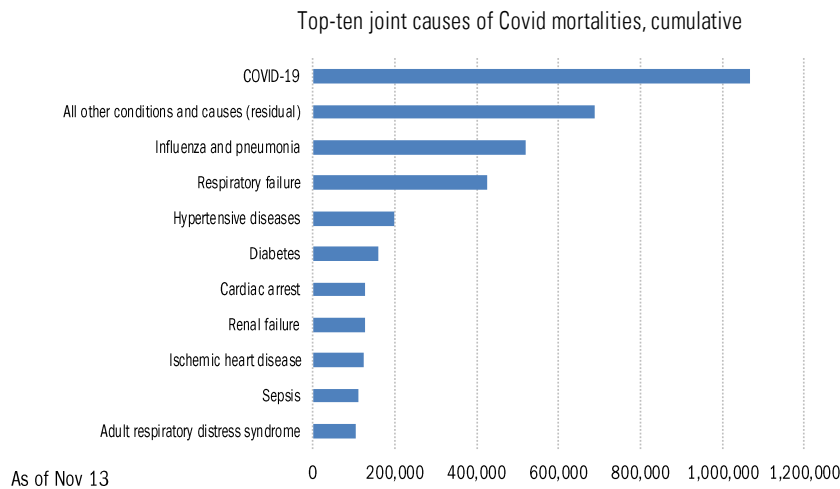
US deep-dive



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



Comorbidities



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

[China's Zero-Covid Reckoning](#)

Wall Street Journal

November 24, 2022

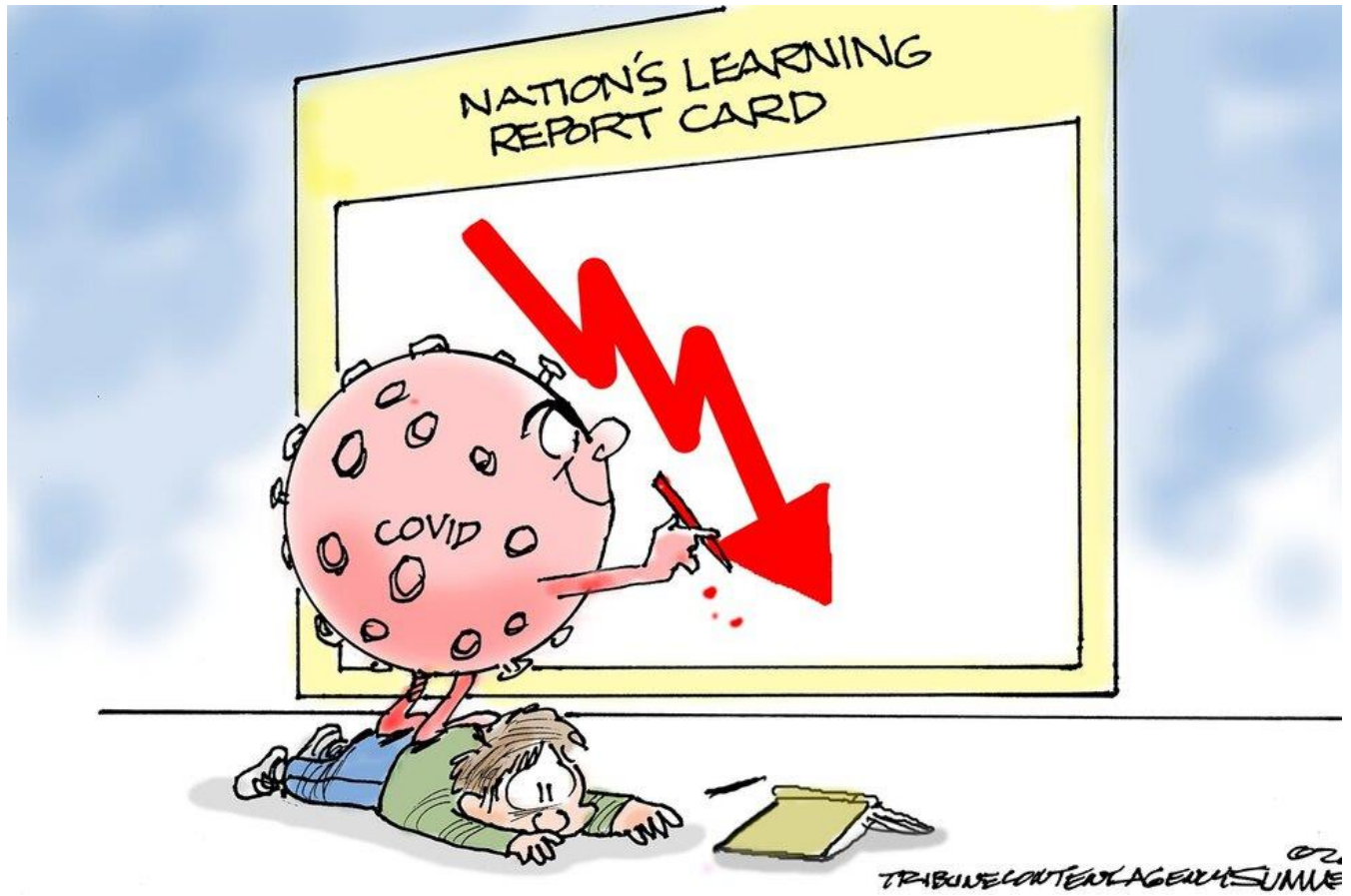
[China Covid-19 Cases Hit Record High, Forcing Fresh Control Measures](#)

Raffaele Huang

Wall Street Journal

November 24, 2022

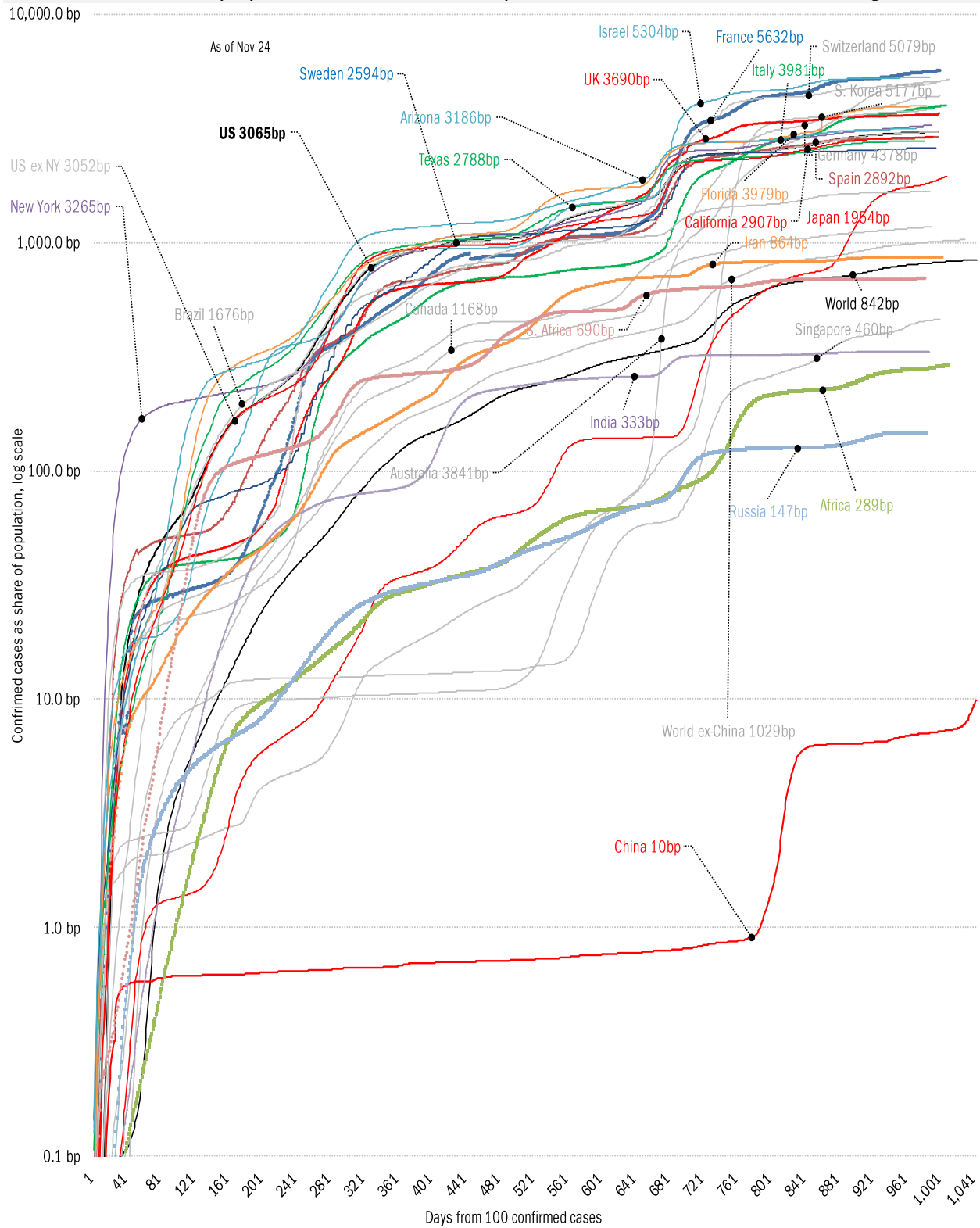
Meme of the Day



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

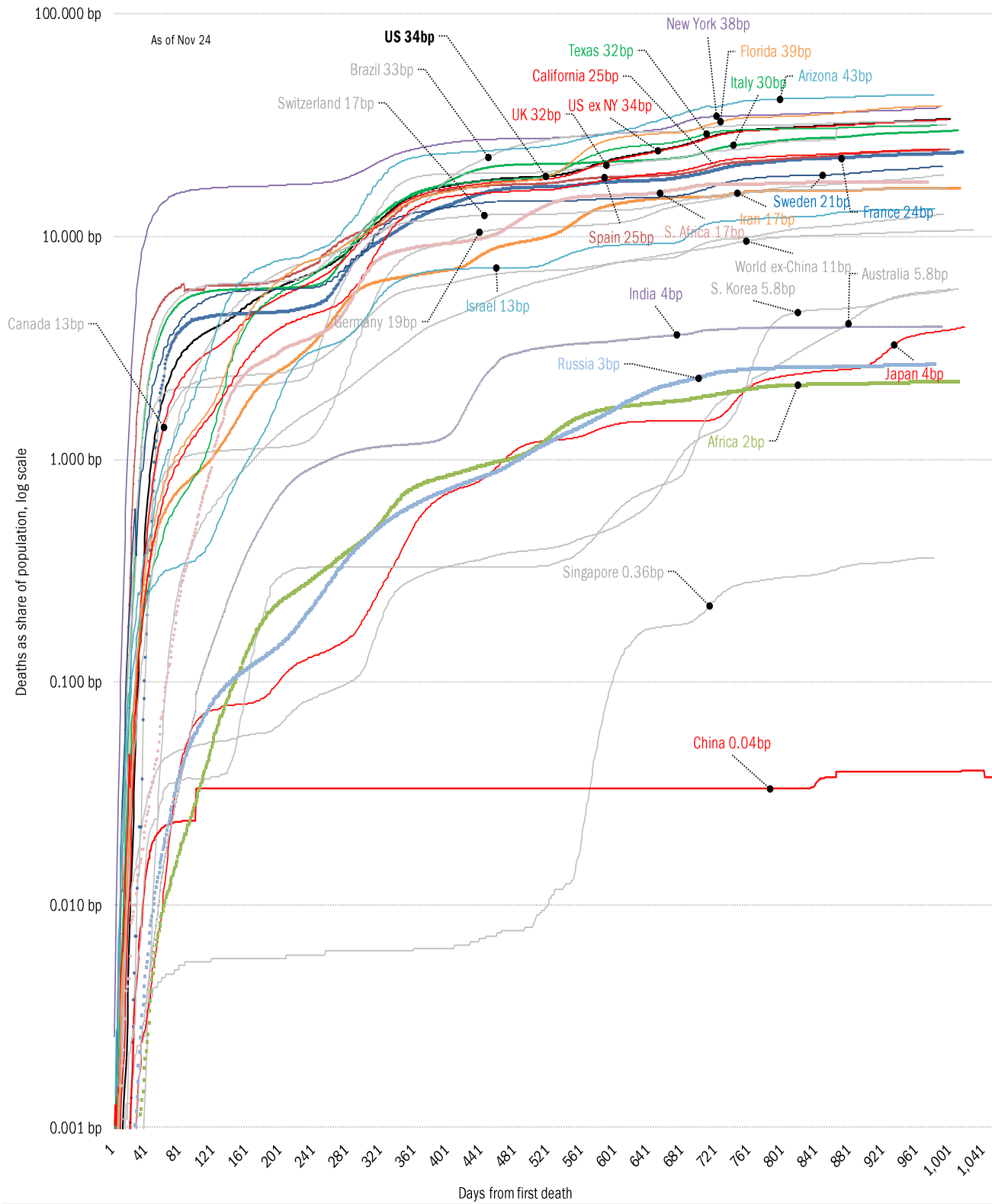
The global coronavirus case accelerometer... tracking the world's infection curves

Share of infected population from first day with 100 confirmed cases, log scale



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

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

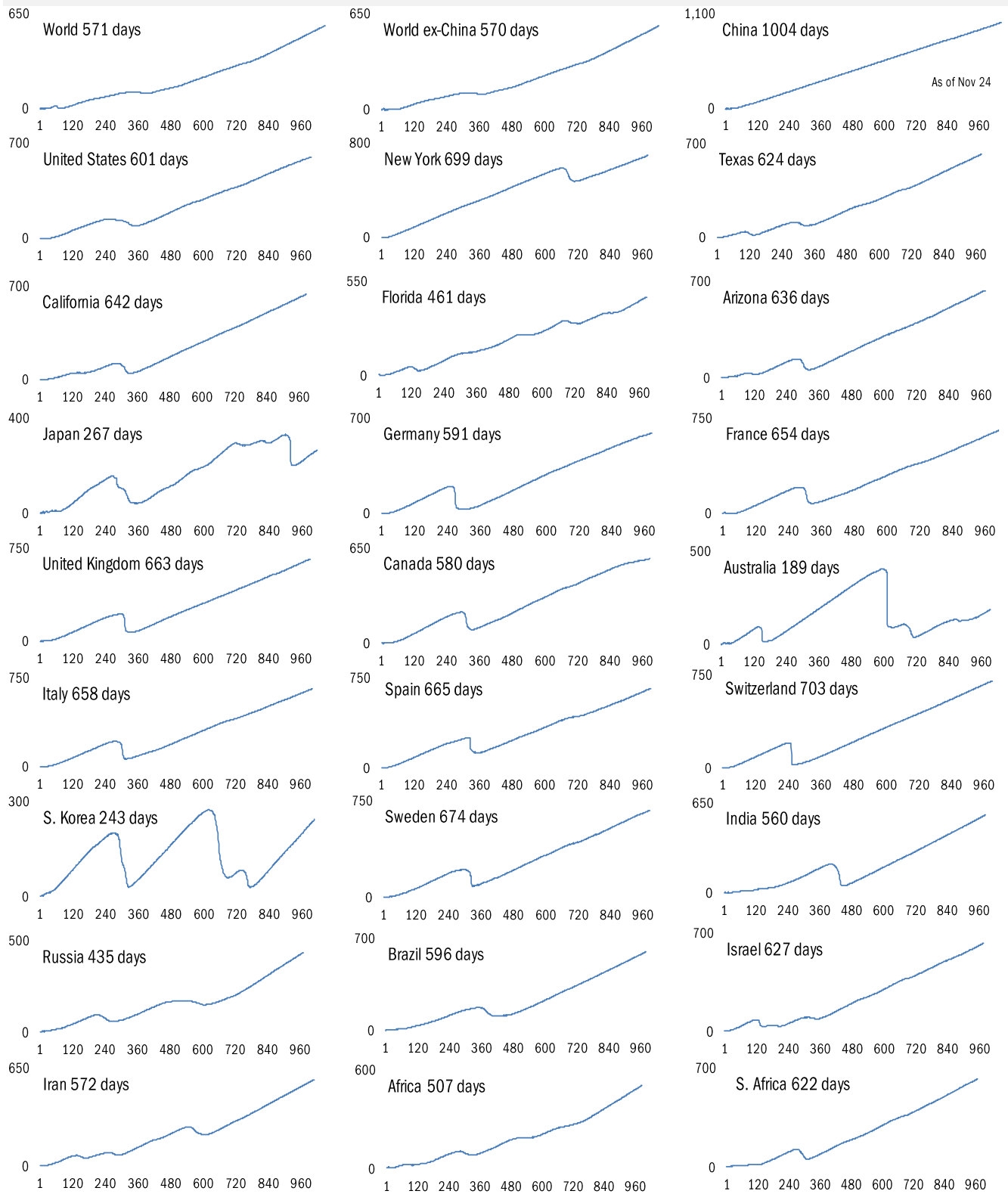


Source: [Johns Hopkins](#), TrendMacro calculations

Our most reliable evidence of the rate of spread of Covid-2019

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

Higher is good Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

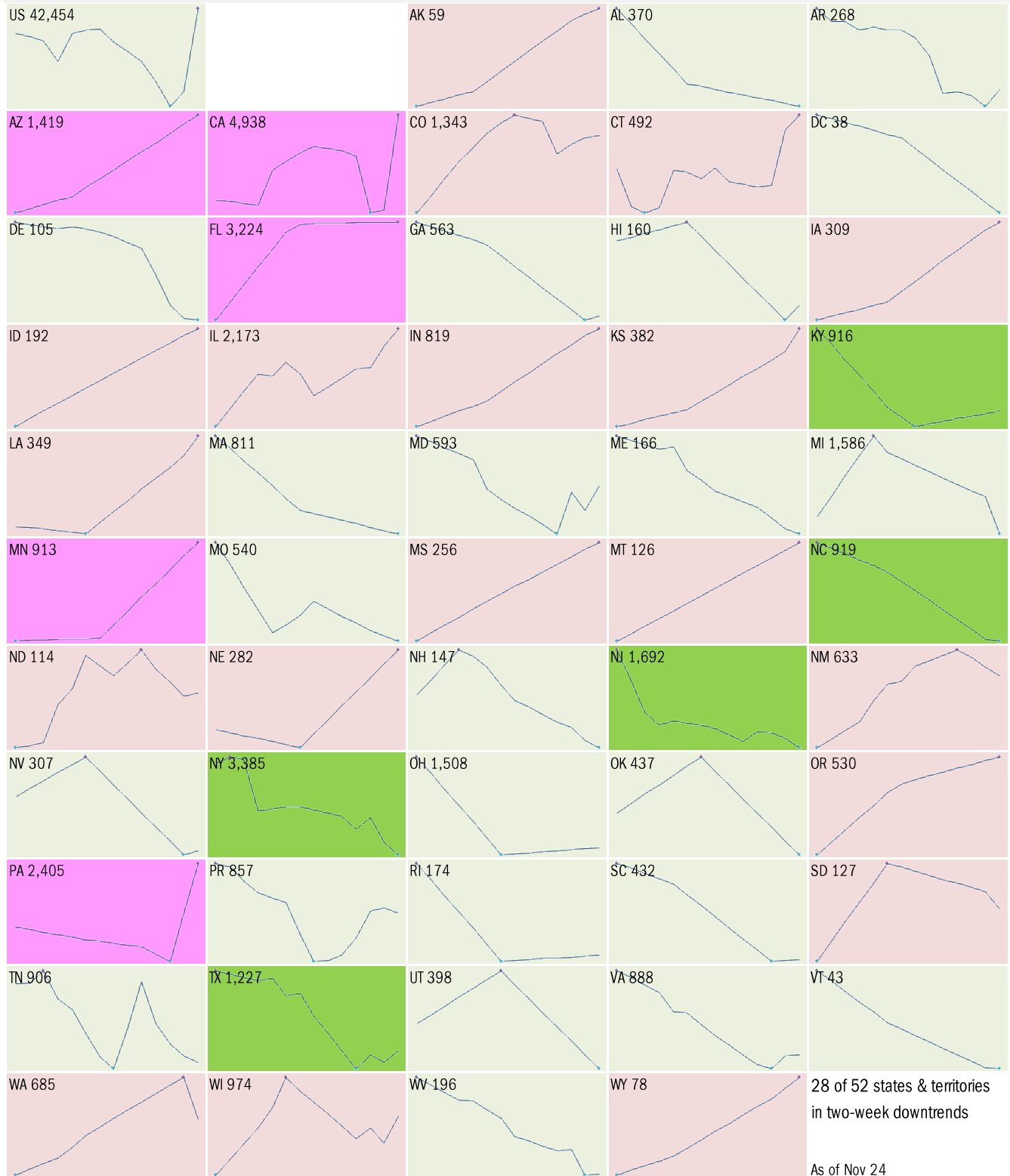


Source: [Johns Hopkins](#), TrendMacro calculations

14-day 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

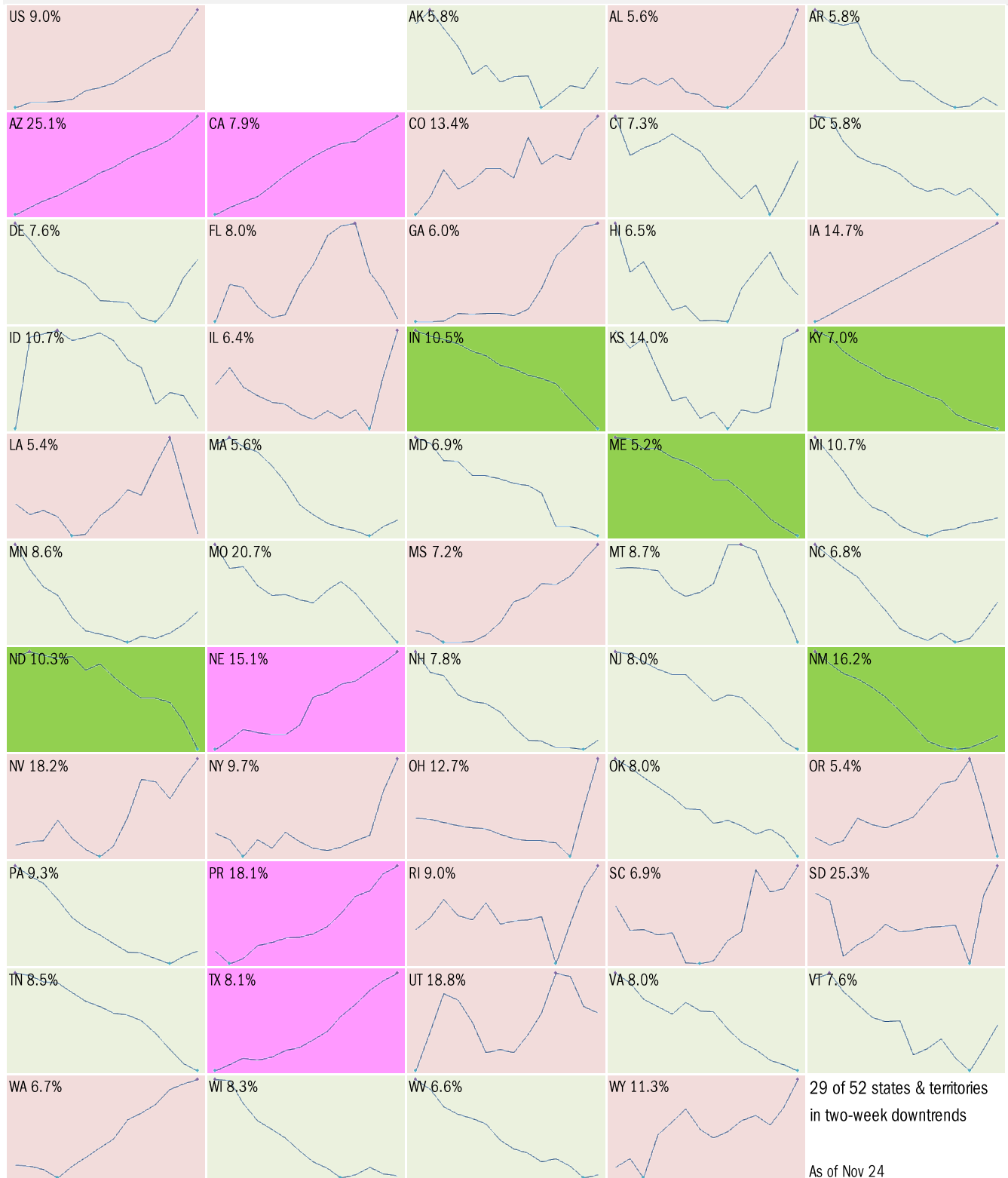


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

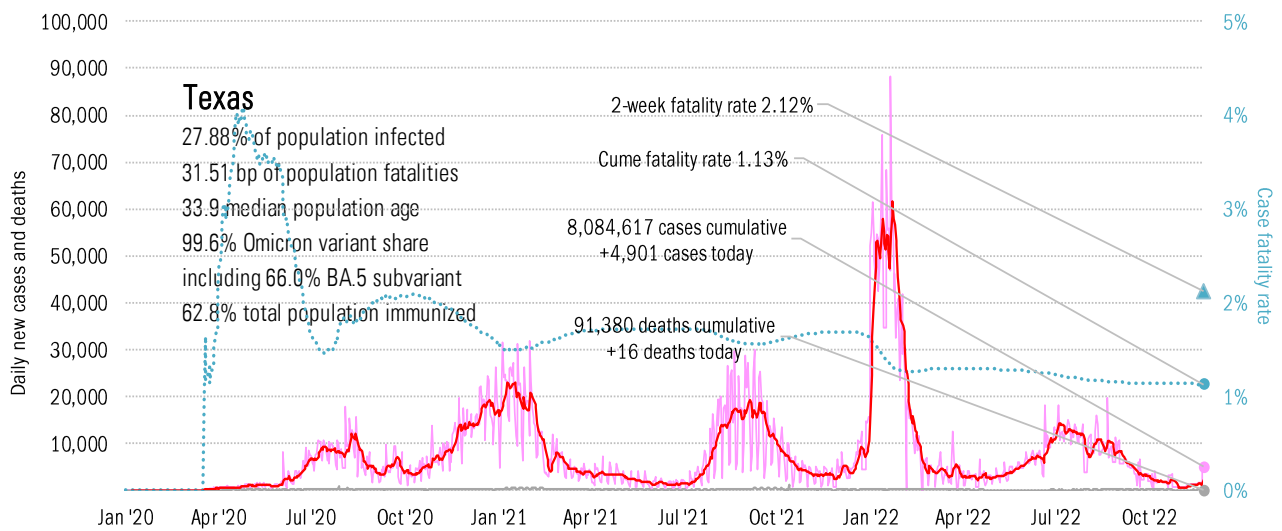
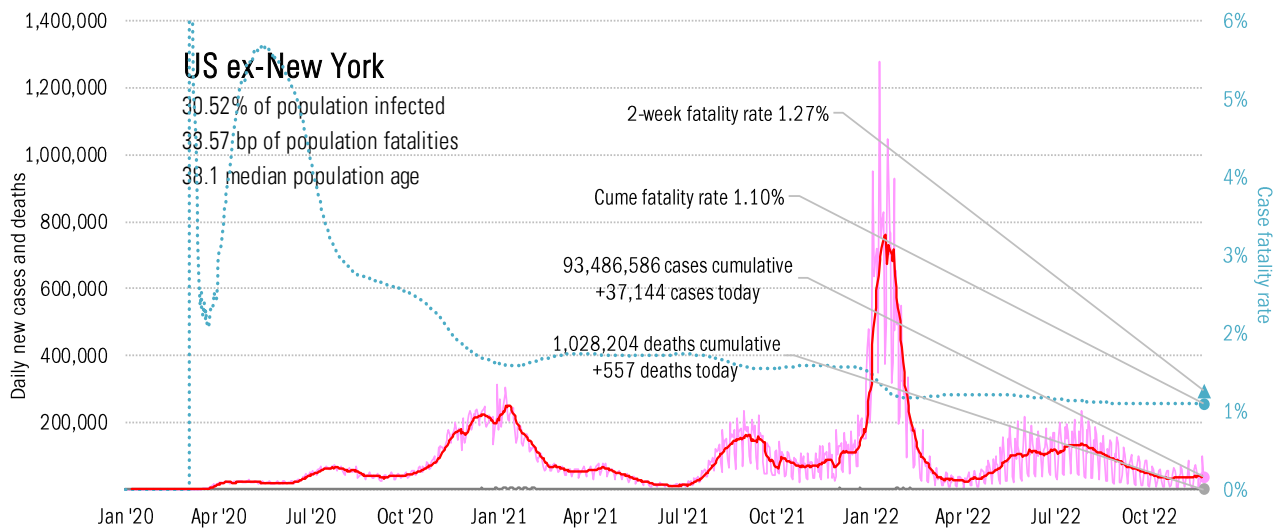
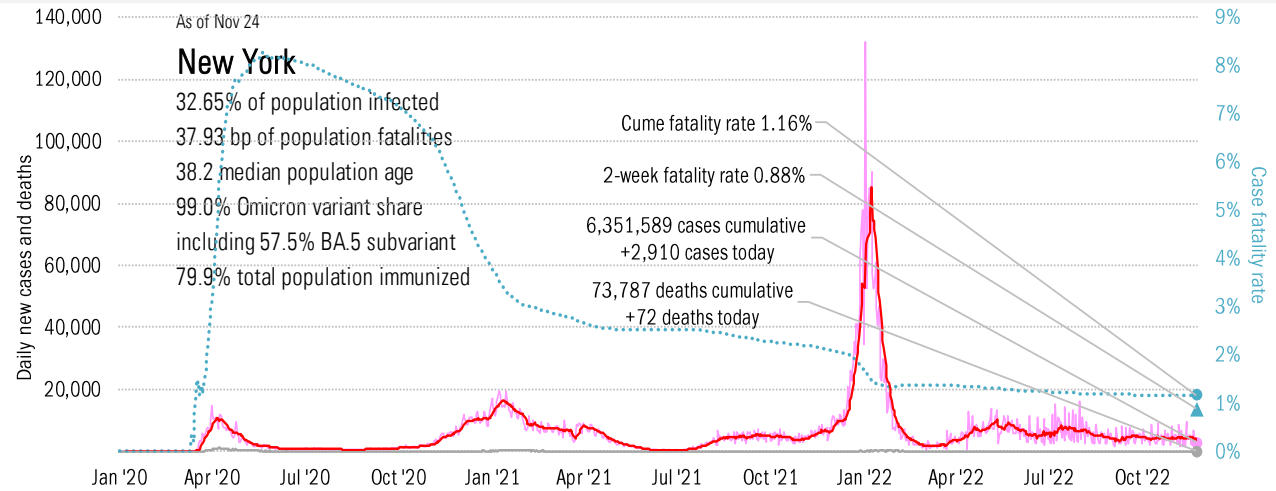
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

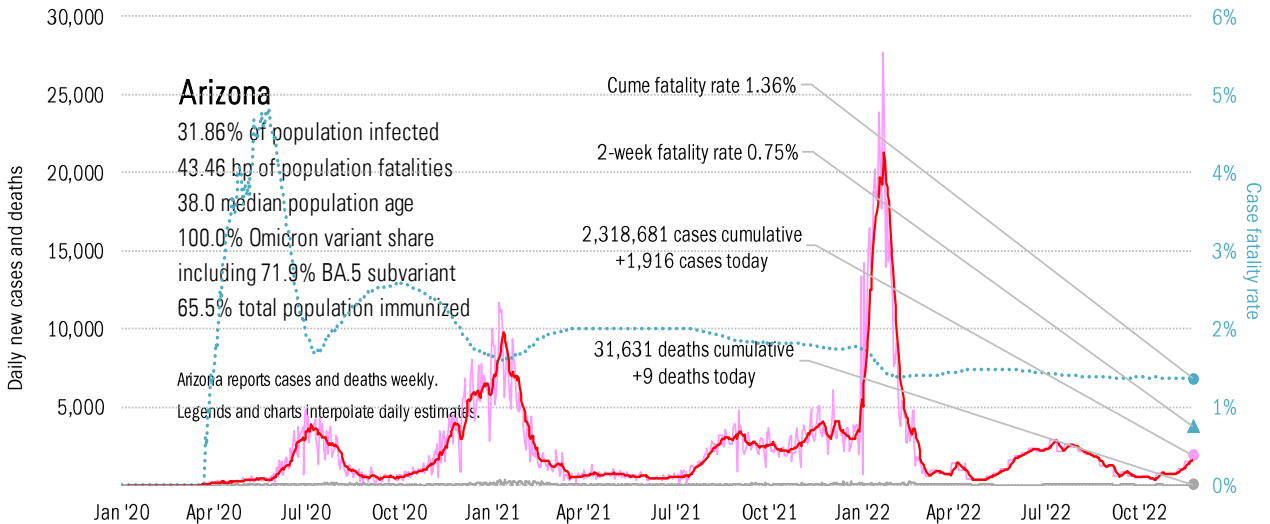
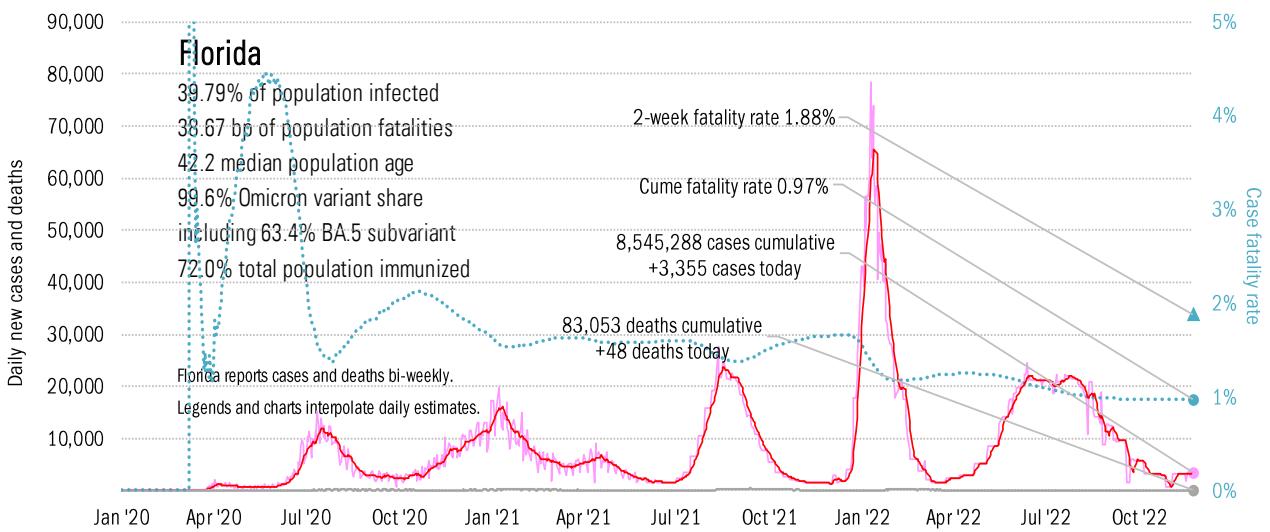
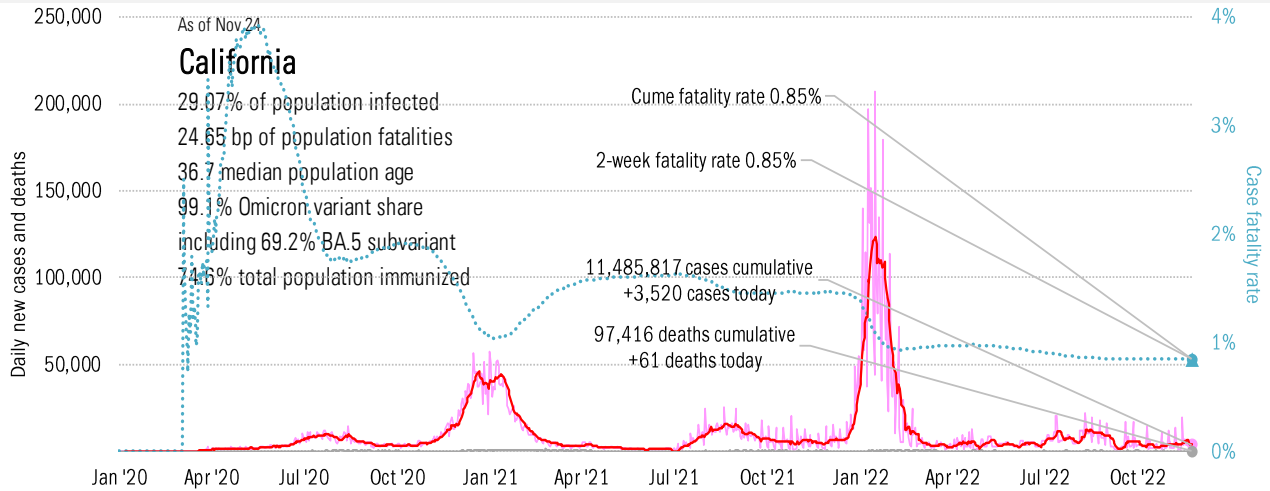
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

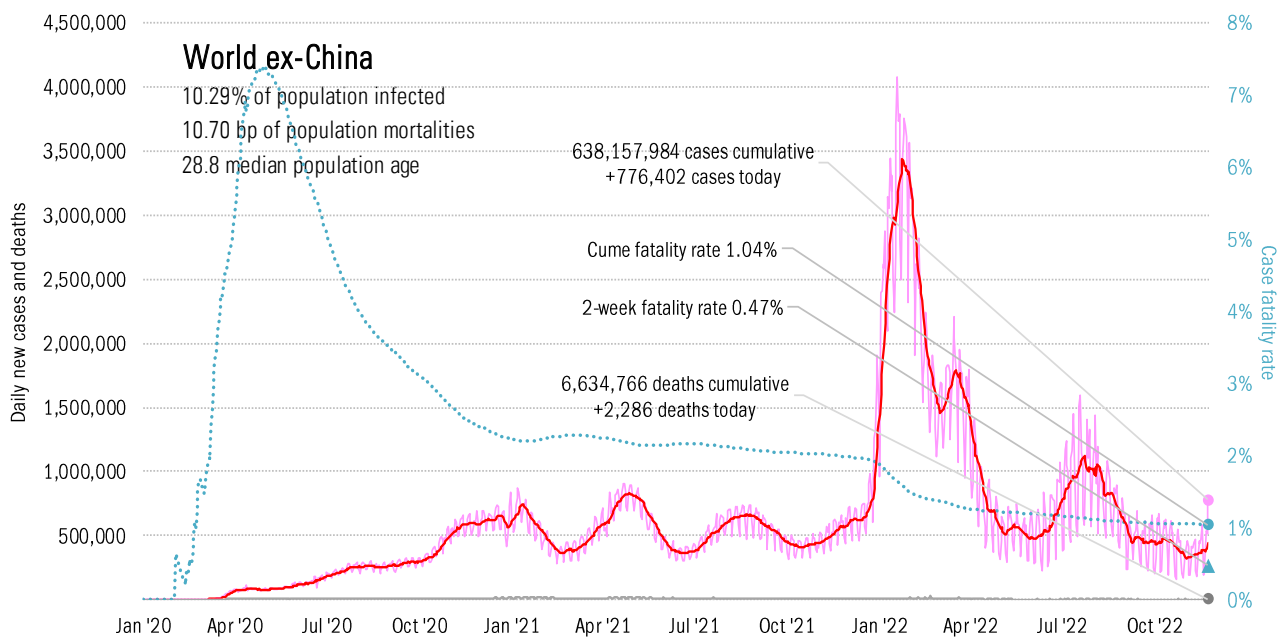
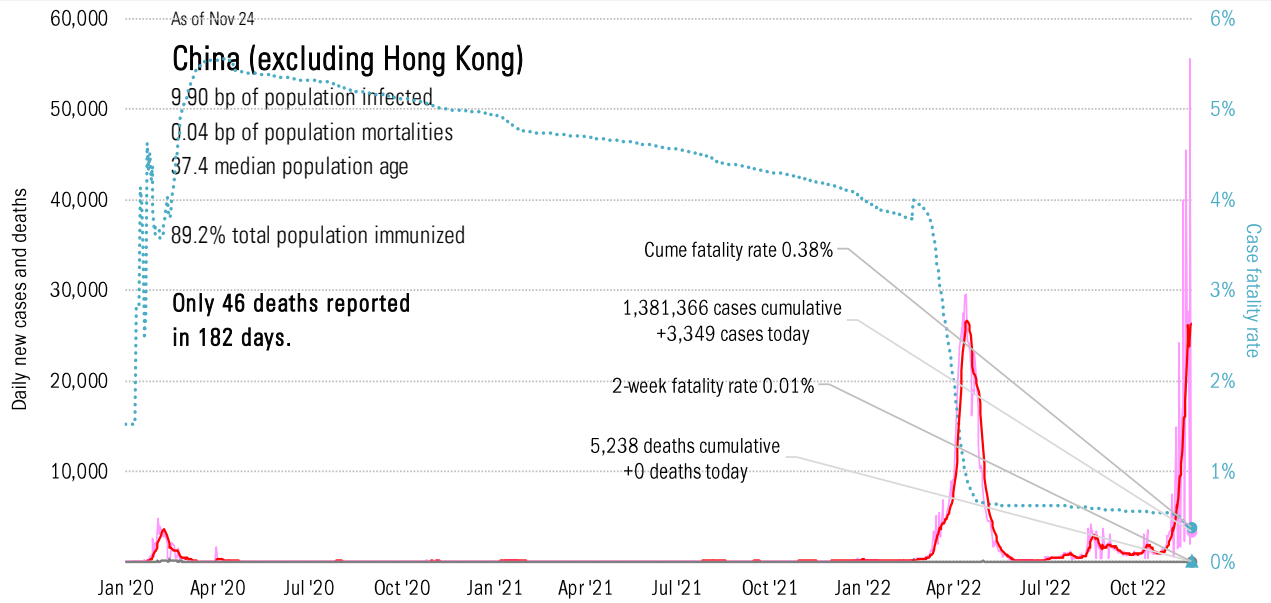
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

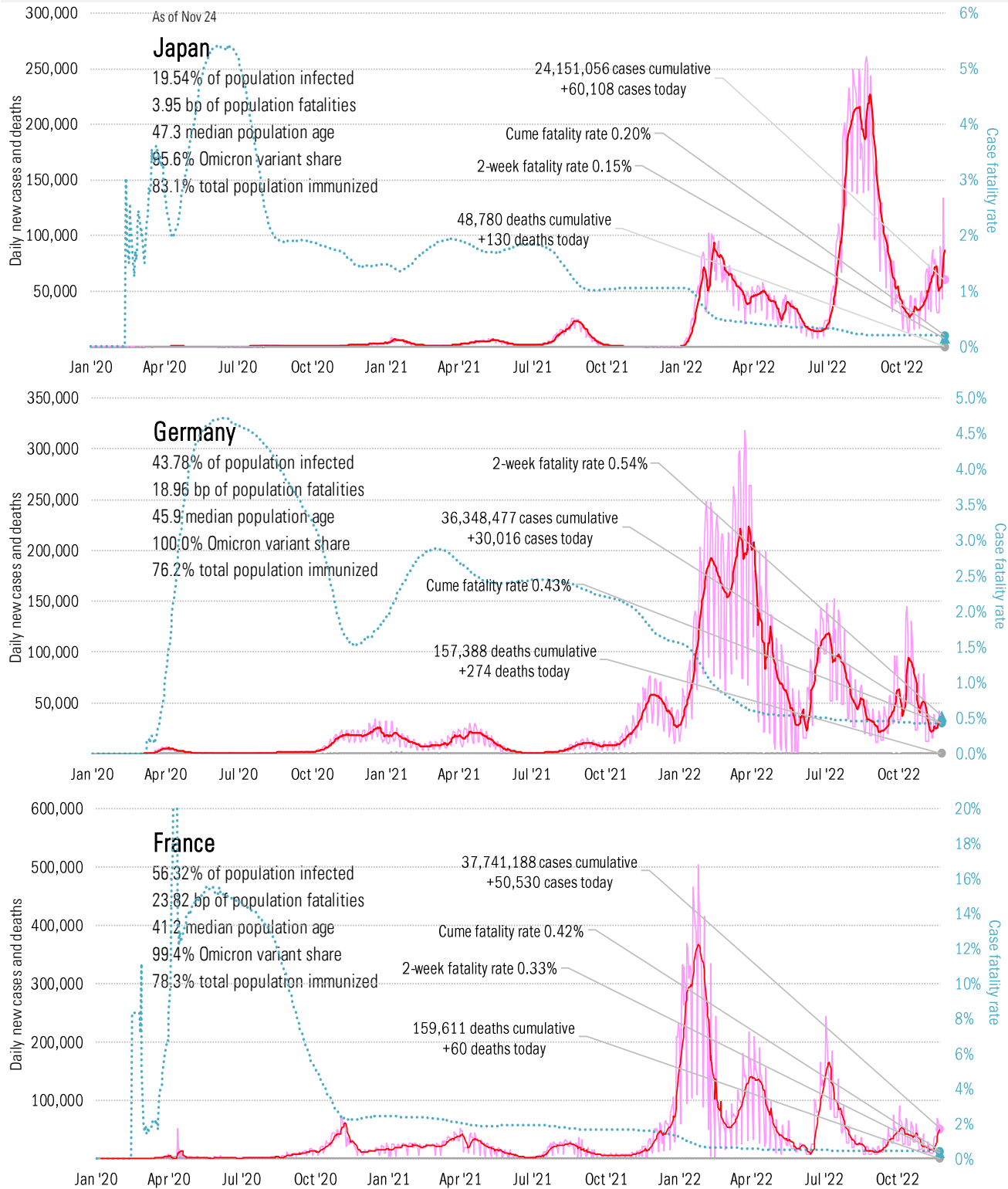
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

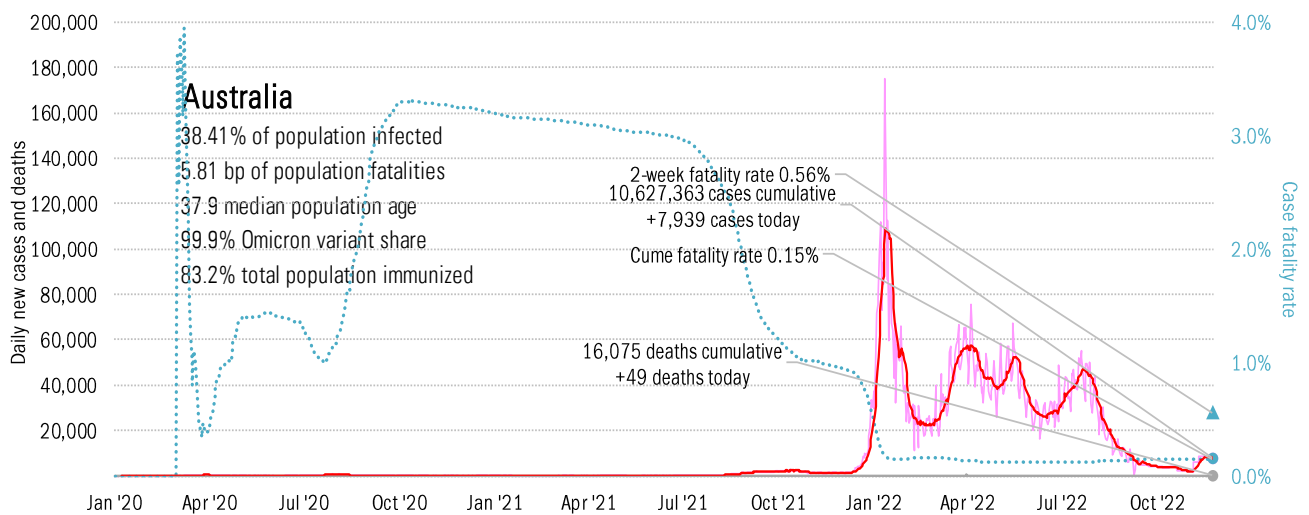
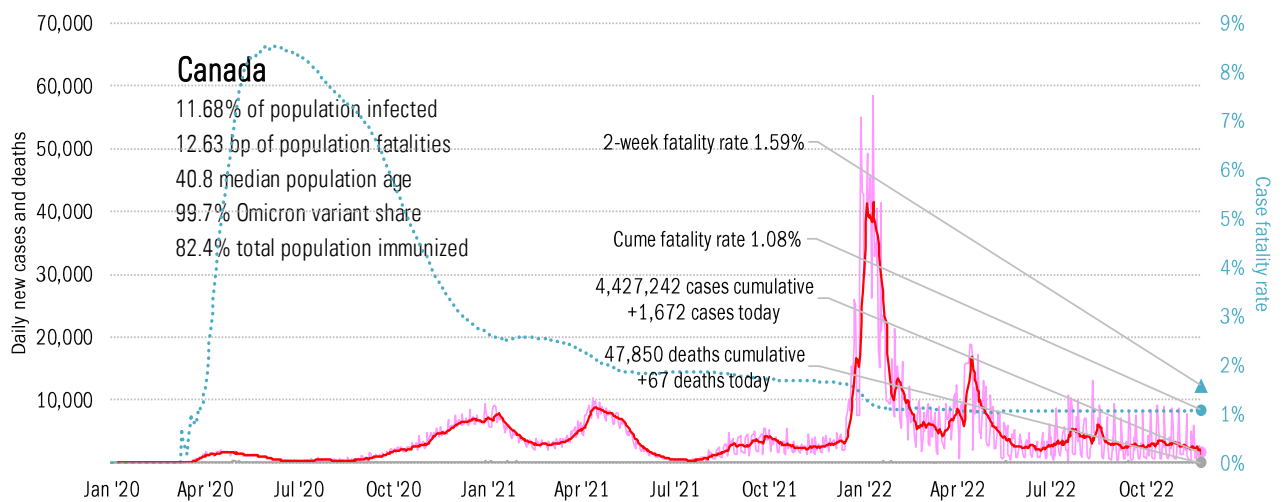
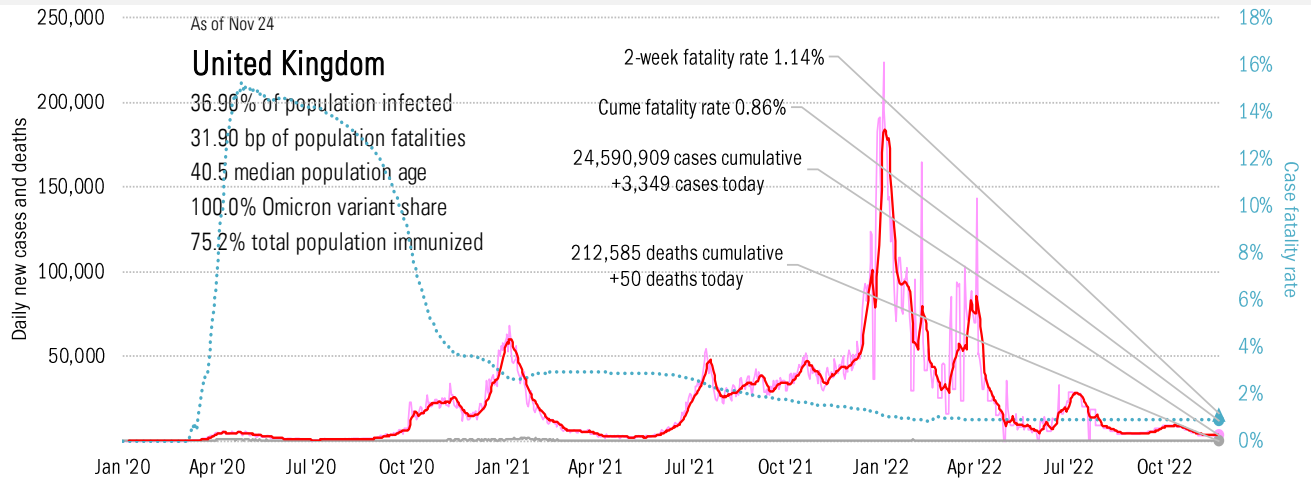
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

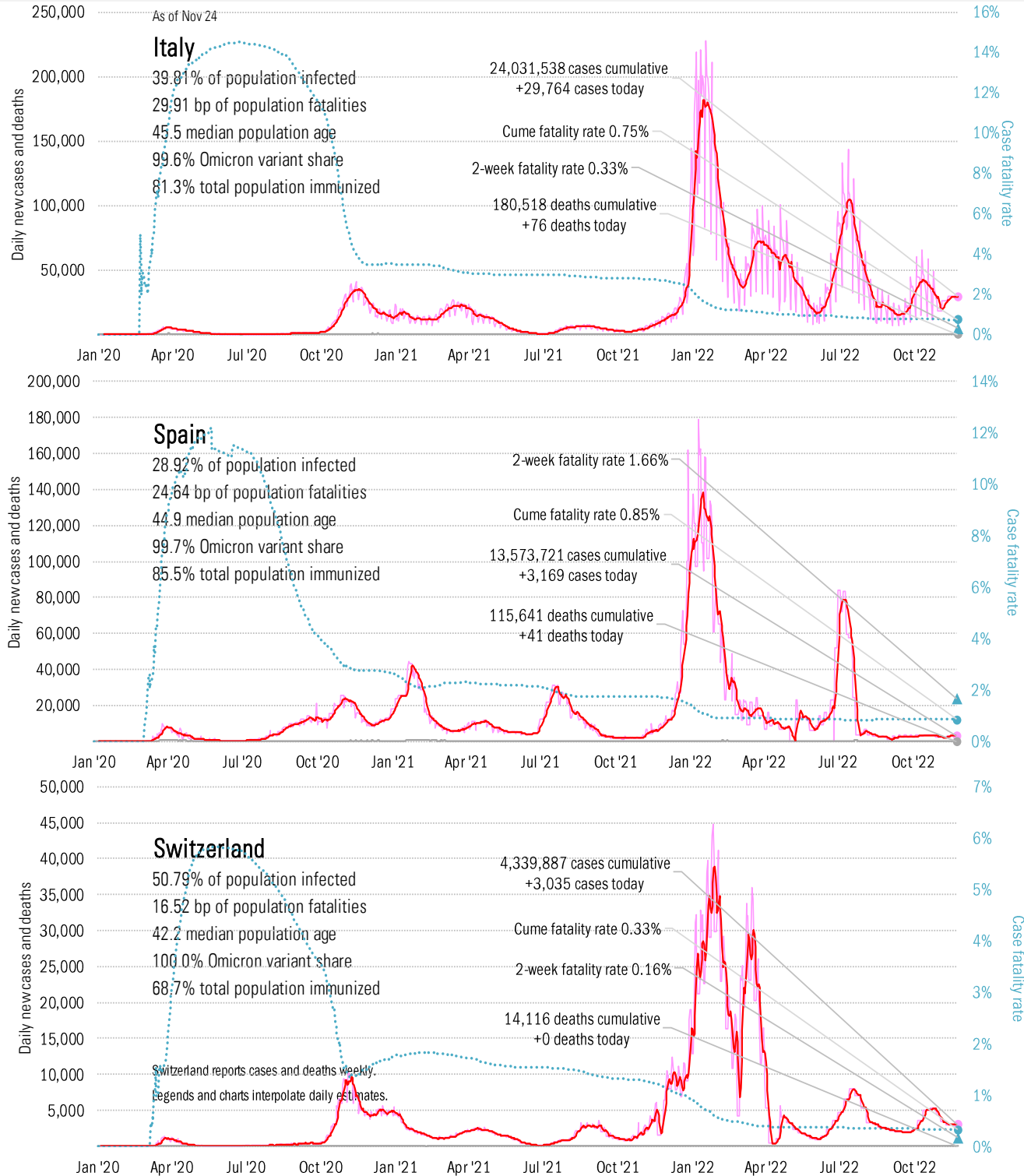
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

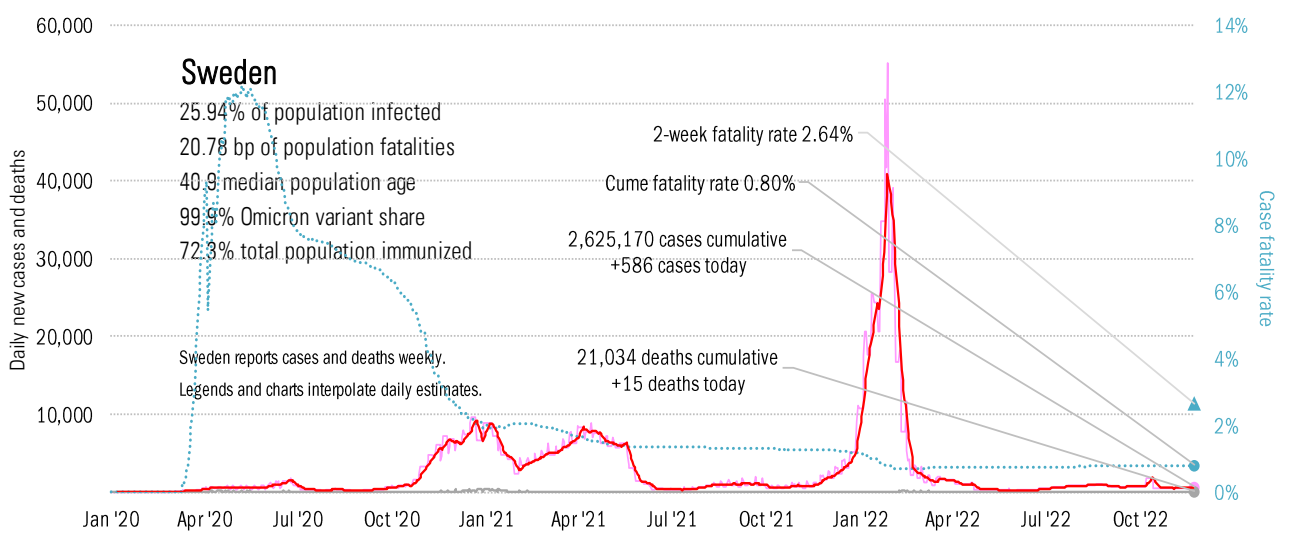
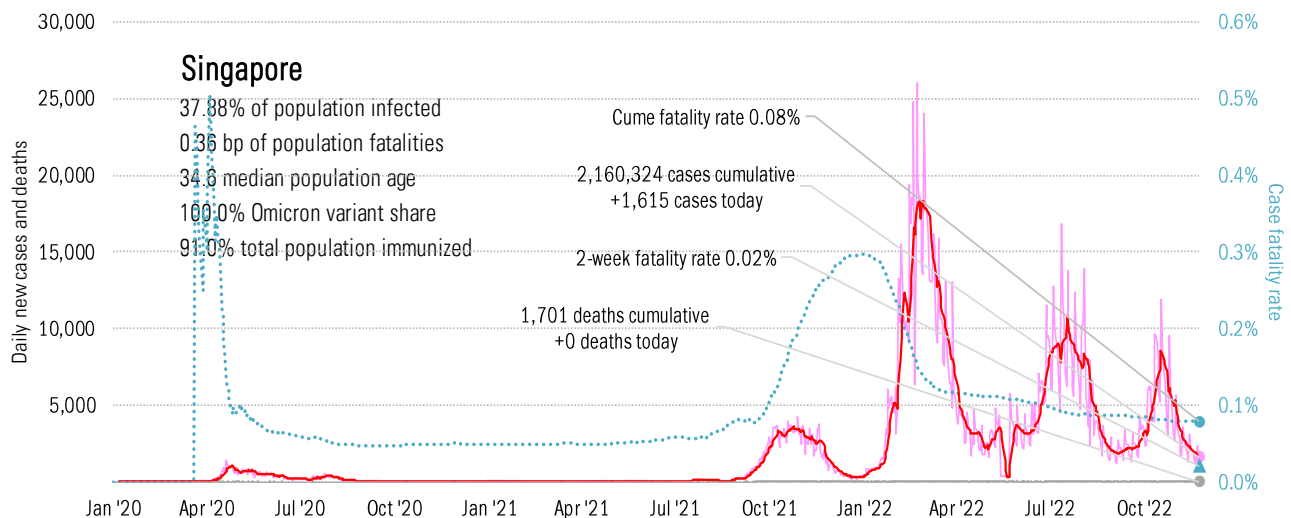
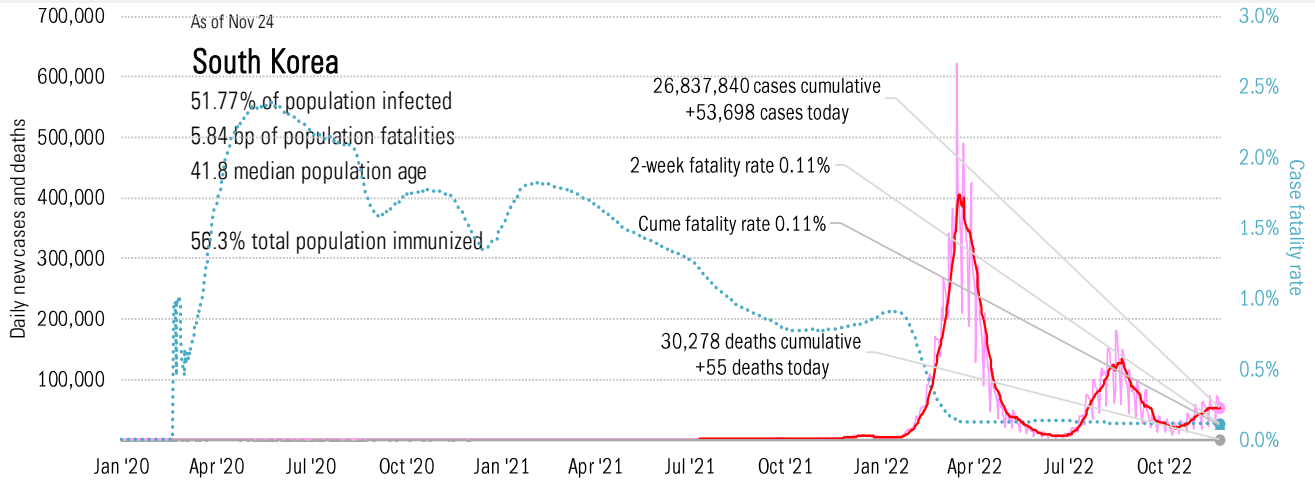
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

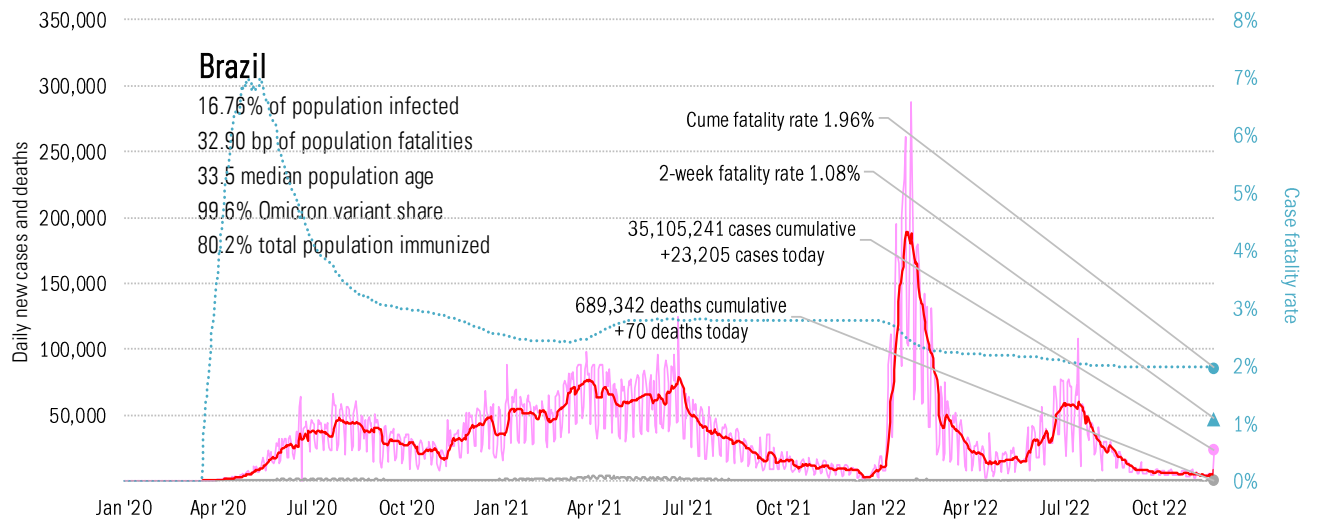
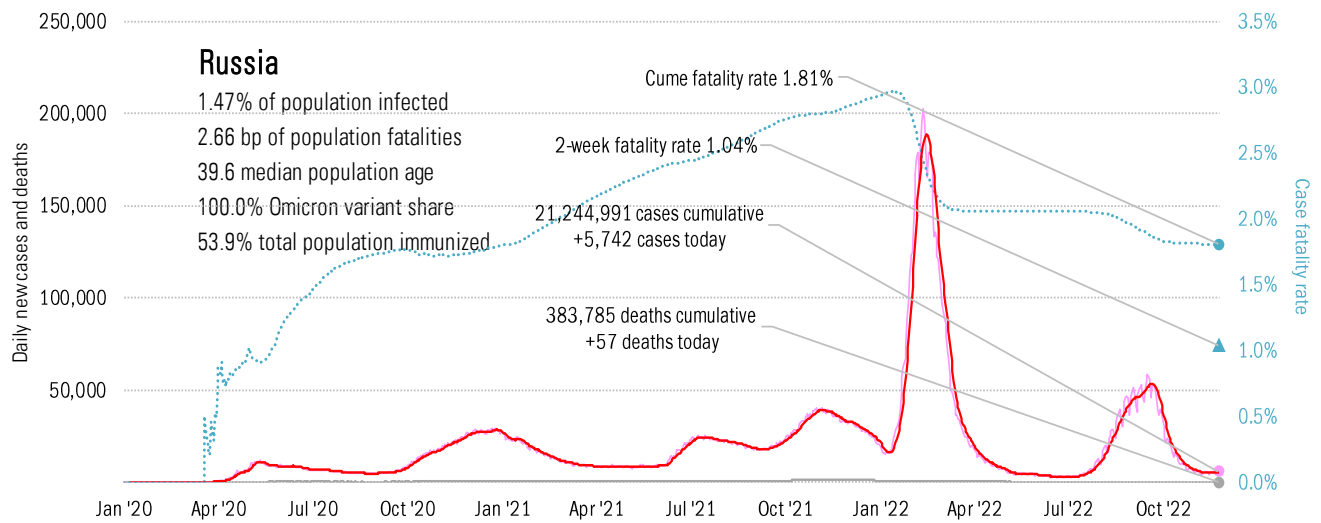
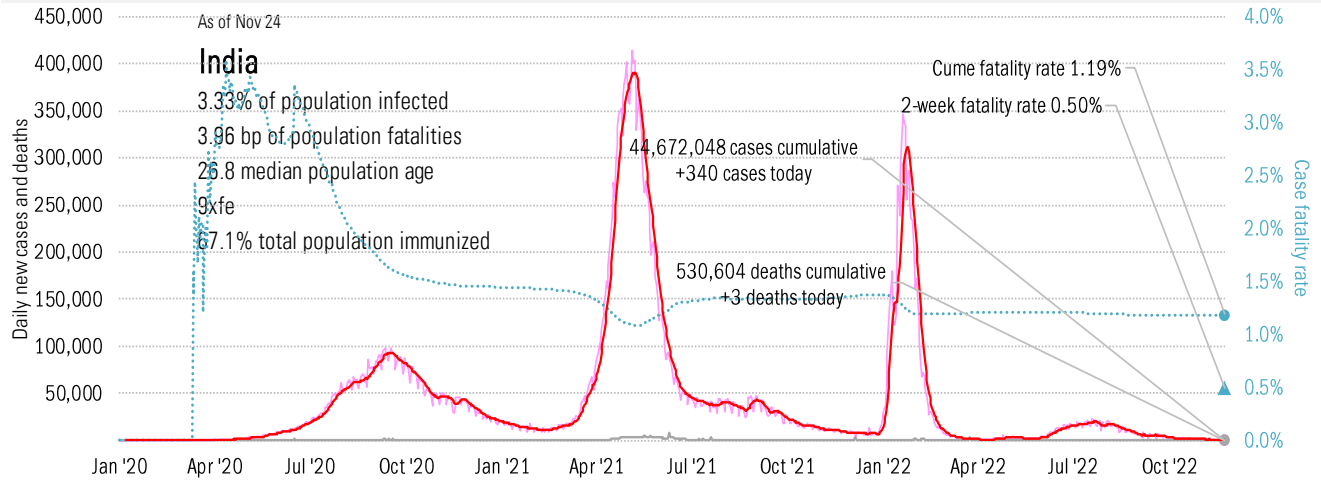
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

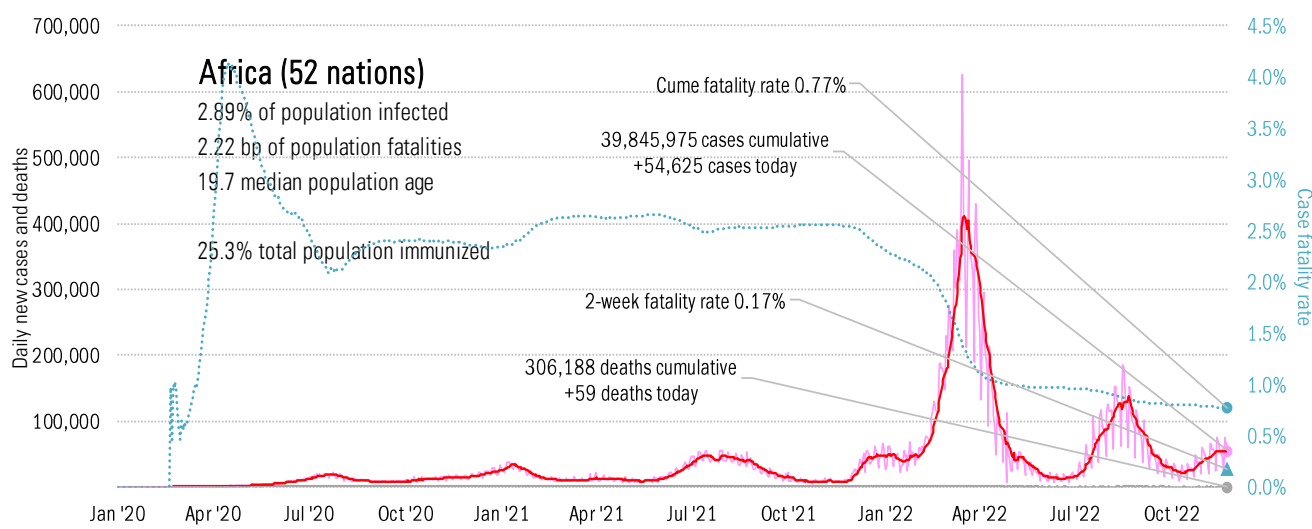
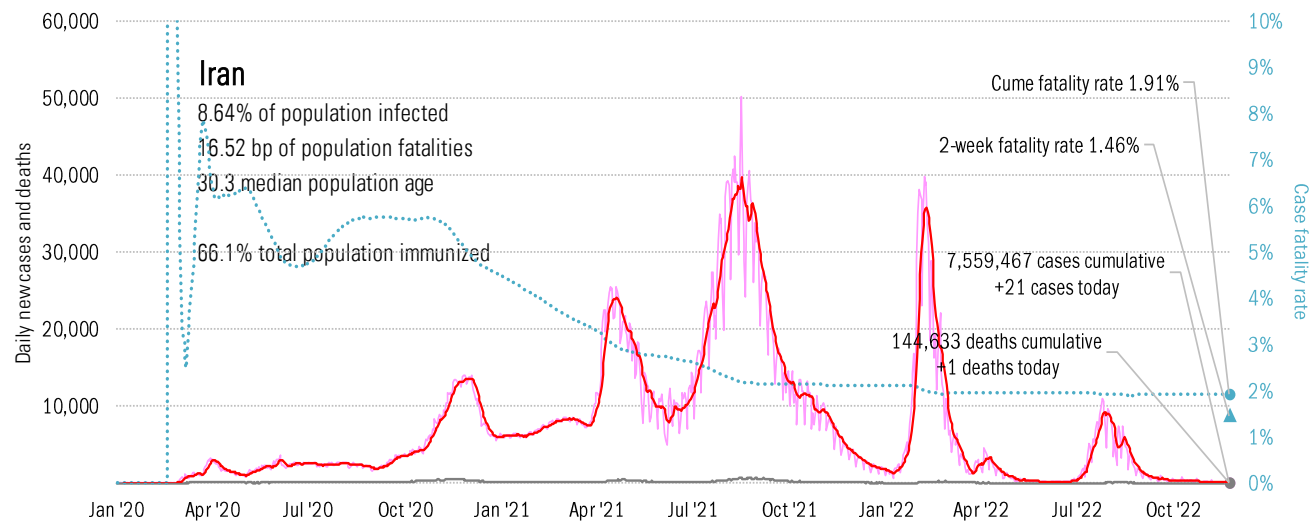
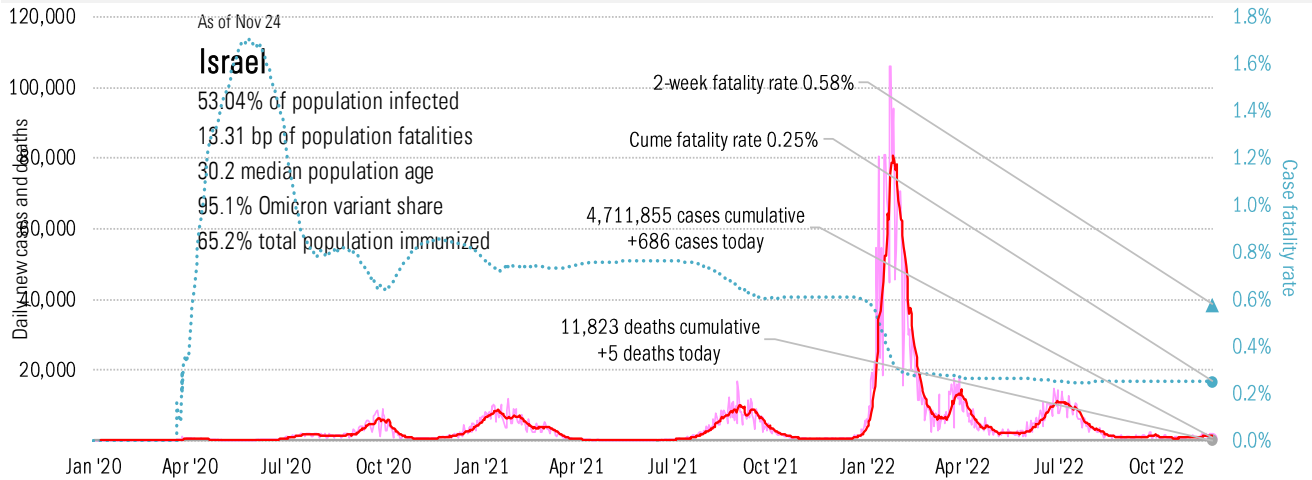
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

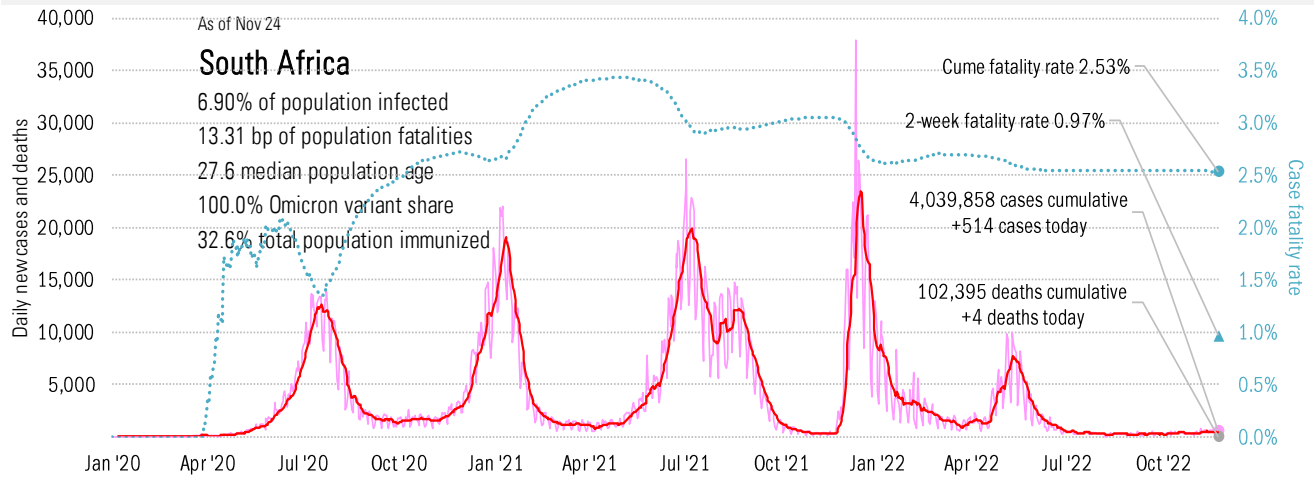
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), Trend Macro calculations