

Data Insights: Covid-2019 Monitor

Tuesday, December 20, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

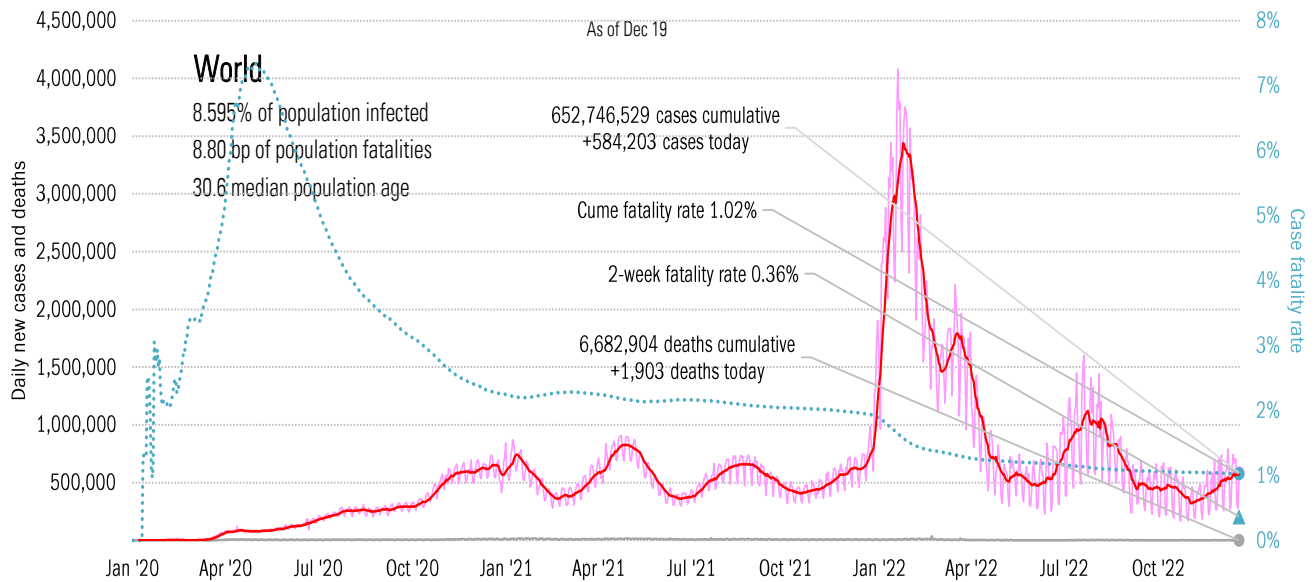
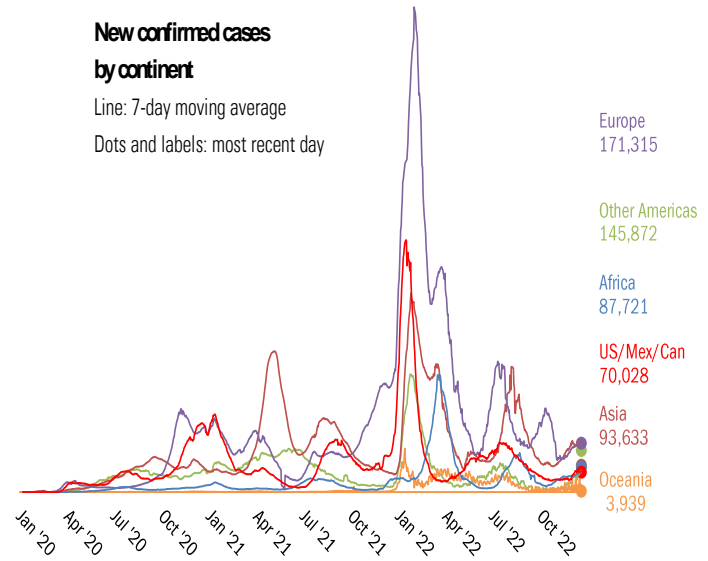
The worst ten countries

New cases		New Deaths	
France	98,021	United States	409
Korea, South	87,559	France	258
Brazil	75,537	Japan	180
United States	75,207	Germany	161
Japan	70,921	Brazil	158
Argentina	62,261	Italy	103
Germany	55,015	Taiwan*	60
Italy	24,947	Korea, South	56
Taiwan*	10,361	Russia	50
Russia	6,290	Argentina	39
566,119		1,474	
World	584,203	World	1,903
Top ten	97%	Top ten	77%

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

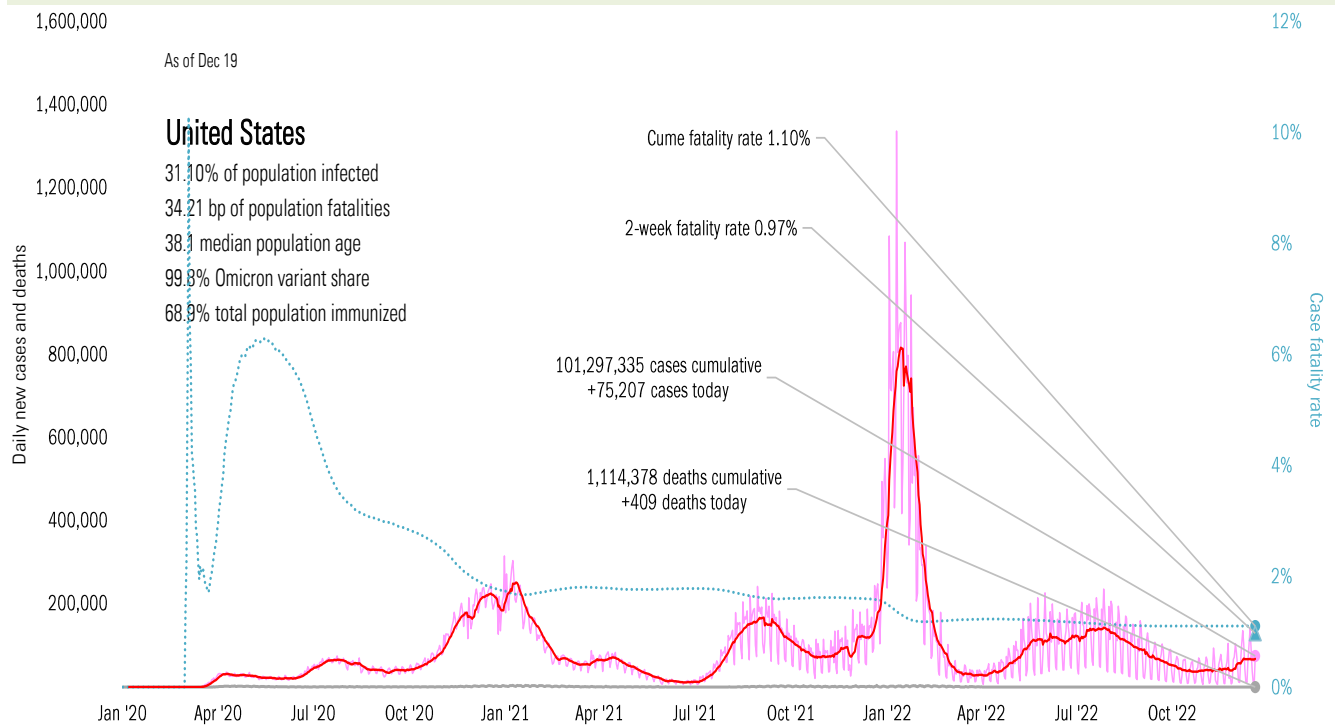
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	13,483		FL	58		GA	181		CA	11,697,847		CA	98,110		TX	563,085		MO	87%	AK	91%
IL	9,079		NY	52		CA	702		TX	8,165,999		TX	91,603		CA	533,641		MA	87%	TX	87%
FL	6,079		NJ	38		NY	511		FL	7,312,963		FL	83,606		FL	509,409		WA	86%	NH	85%
NJ	5,007		MI	26		MI	196		NY	6,504,806		NY	74,582		NY	329,833		MN	86%	RI	85%
VA	4,638		IL	23		TX	369		IL	3,939,214		PA	48,662		CH	232,634		RI	85%	DC	85%
WI	2,676		CA	20		NJ	220		PA	3,389,458		GA	41,244		GA	232,554		DC	85%	NC	84%
CH	2,388		PA	19		CH	253		NC	3,300,138		CH	40,747		PA	218,060		MD	84%	VT	84%
CA	2,237		MA	16		PA	224		CH	3,276,630		IL	40,525		IL	201,254		WV	84%	MI	83%
CO	2,055		AZ	15		IL	256		MI	2,963,404		MI	40,508		MI	173,324		AK	84%	AL	82%
NC	1,884		TX	15		MA	149		GA	2,963,232		NJ	35,361		NJ	150,693		NH	84%	CK	82%
49,527			282			3,061			53,513,691			594,948			3,144,487						
All states	75,207		409		5,232		All states	101,297,335		1,114,378		5,709,341		All states	70%	67%					
Top ten	66%		69%		59%		Top ten	54%		55%		55%		Median	78%	79%					

Some states not reporting

Five most improved US states

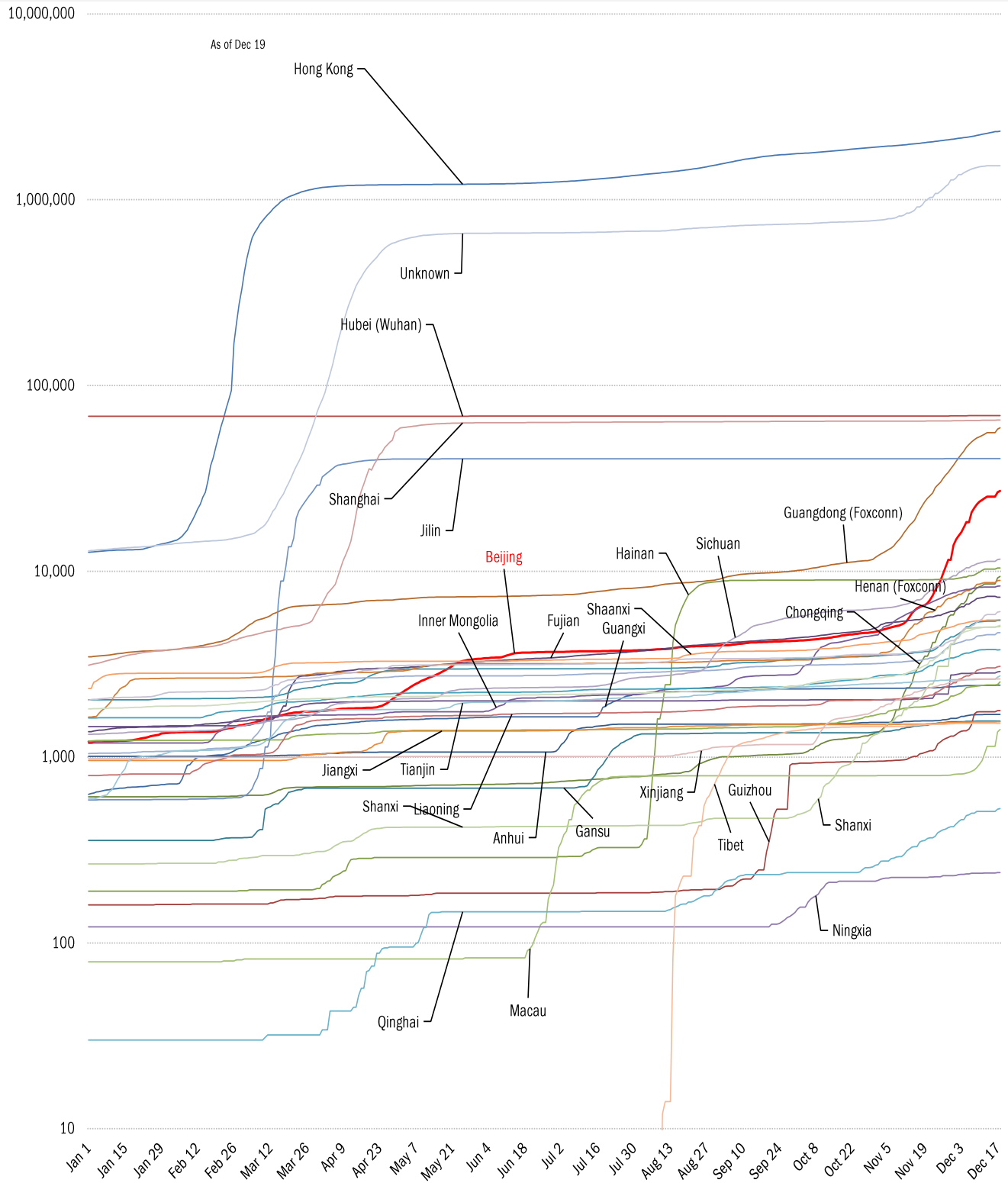
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
PA	-978	SD	-9	LA	-88
TX	-674	IL	-2	CO	-50
KS	-124	AK	0	VA	-48
AR	-40	AL	0	FL	-43
CT	-1	AR	0	TN	-31



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"

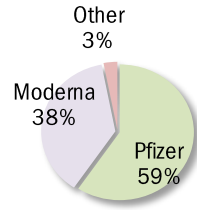


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	676,875,401		+0.181 million		US	68.9%	80.6%
			Of which boosters: +0.156 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%
Total population	276,286,091	83%	235,628,086	71%	+0.017 million	Spain	85.5%
Age 12 to 17	18,389,791	73%	15,747,323	62%	+0.001 million	Germany	76.2%
Age 18 to 64	183,774,685	90%	156,296,409	77%	+0.009 million	Italy	81.3%
Age 65 and over	60,871,211	100%	53,326,820	97%	+0.003 million	Australia	82.7%
						Israel	65.2%
						Canada	82.5%
						Japan	83.1%
						Africa	26.2%
						India	67.1%
						Brazil	80.9%
						China	89.4%



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

"Immunity" = two doses

AK
72.7%
64.9%

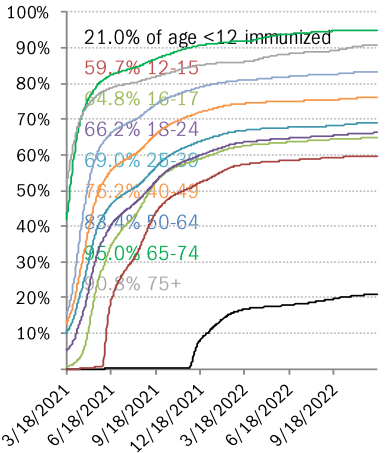
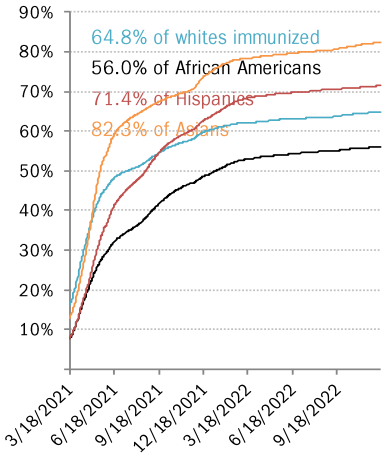
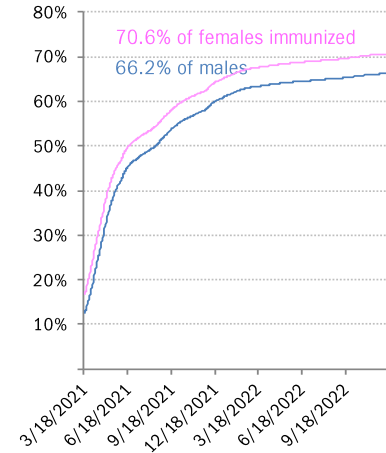
WI
74.8%
67.9%

As of Dec 16

ME
95.0%
82.9%

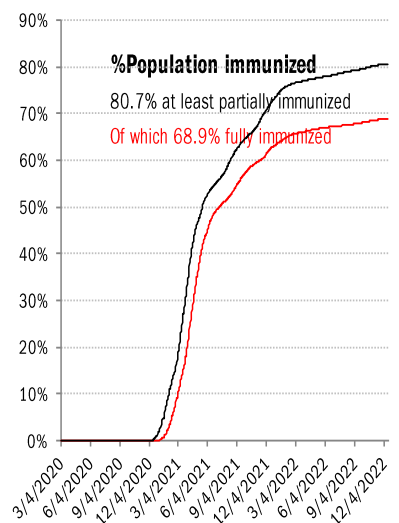
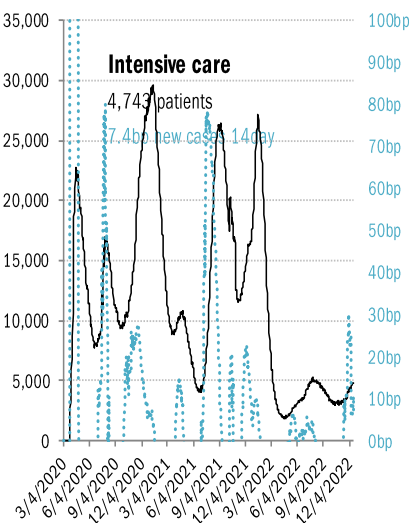
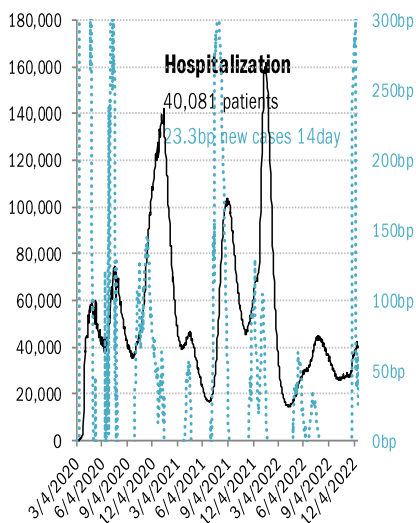
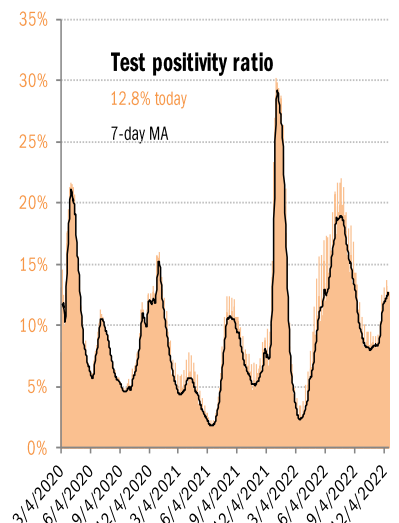
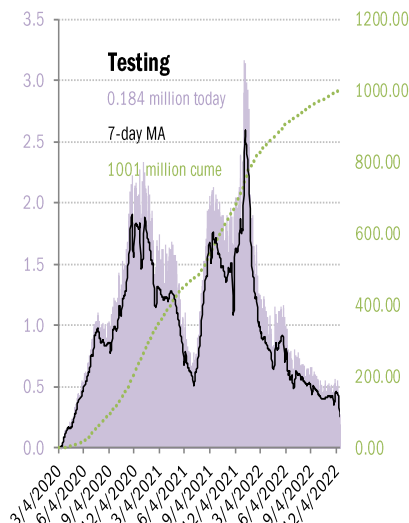
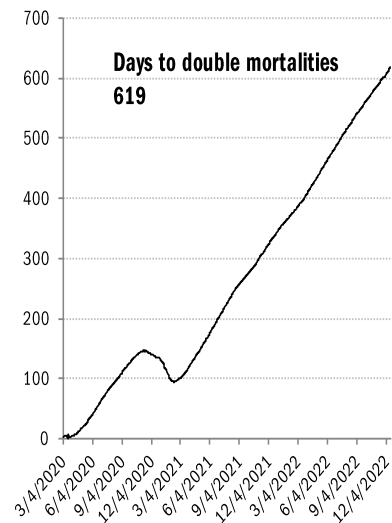
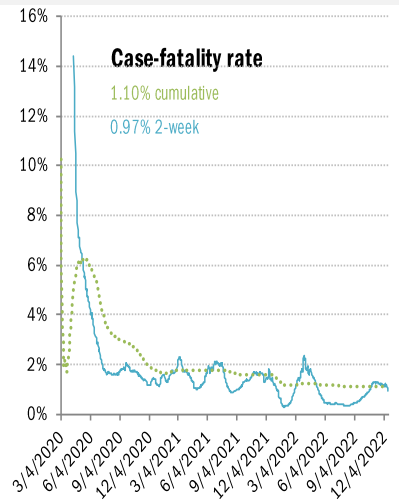
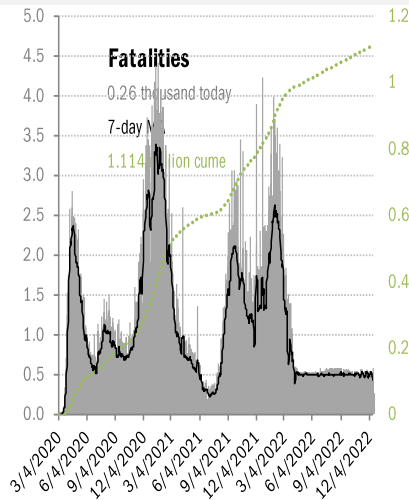
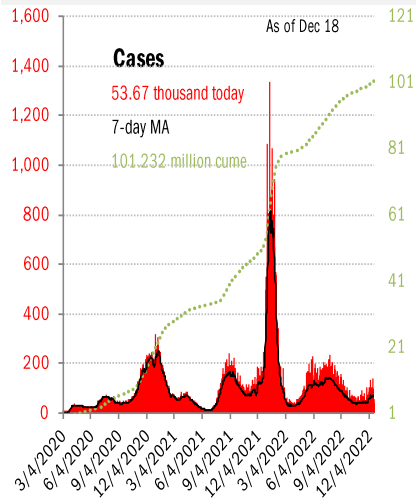
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
84.7%	63.6%	68.0%	69.0%	78.4%	78.8%	69.2%	93.9%	95.0%	87.3%	
75.6%	56.2%	58.9%	58.3%	71.8%	71.0%	62.1%	80.3%	85.1%	71.4%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.1%	77.1%	60.6%	83.3%	70.3%	64.1%	65.4%	89.9%	94.1%	95.0%	
72.0%	63.4%	52.8%	65.9%	64.1%	57.5%	60.2%	72.8%	78.7%	83.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.2%	74.9%	83.3%	73.0%	69.0%	68.5%	67.2%	90.3%	91.1%	95.0%	95.0%
74.3%	66.4%	73.2%	65.9%	58.7%	59.3%	59.5%	76.2%	79.2%	82.6%	87.2%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
76.9%	93.6%	75.8%	69.5%	64.2%	91.3%	70.6%	95.0%	87.6%		
65.7%	74.7%	64.9%	56.6%	56.1%	66.6%	59.6%	85.1%	72.9%		
OK	LA	MS	AL	GA						
74.2%	62.6%	61.4%	64.8%	68.0%						
60.1%	54.9%	53.5%	53.0%	57.0%						
TX										
75.9%										
63.0%										
HI							FL		PR	
91.0%							82.0%		95.0%	
81.2%							69.1%		86.7%	

The demographics of US vaccination

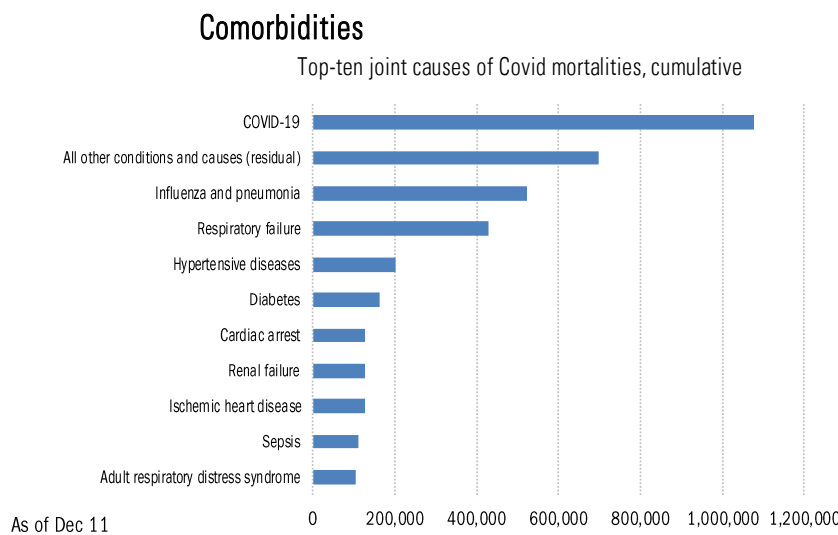
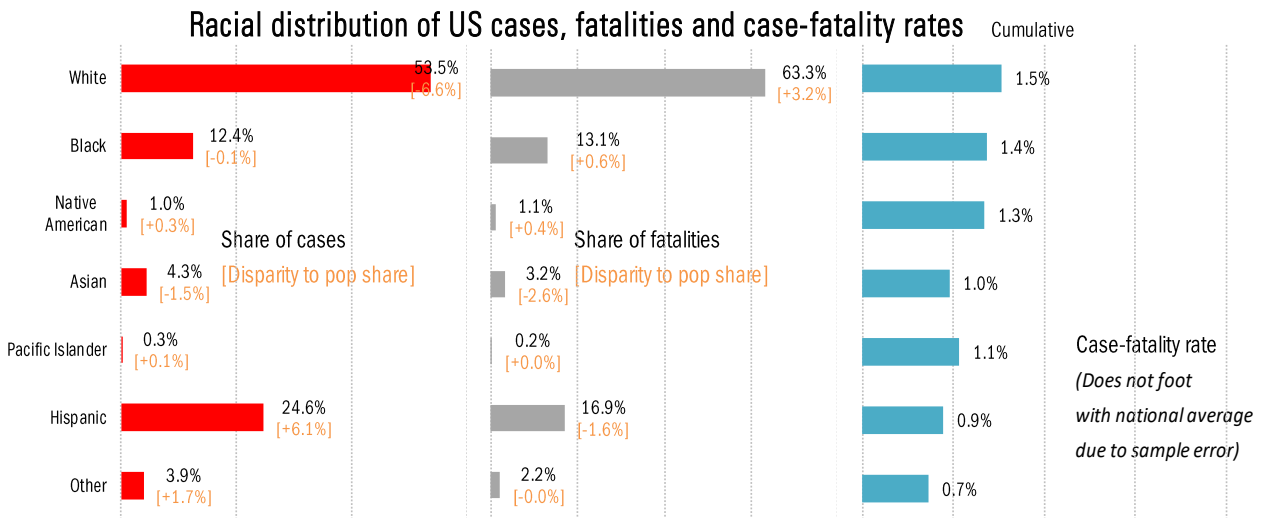
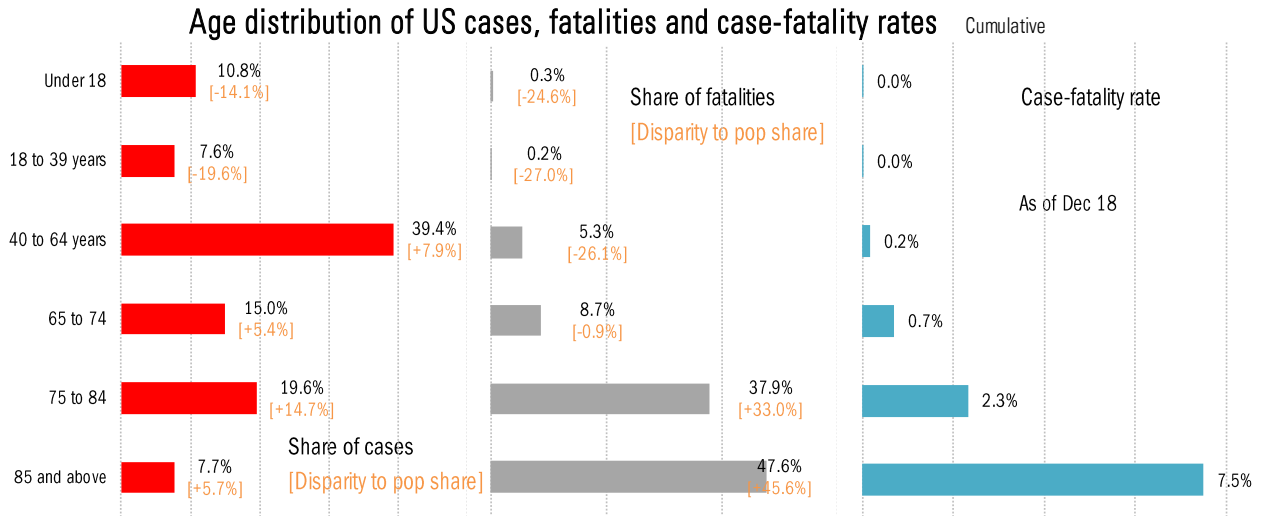


Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive



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



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

[U.S. Supreme Court extends border restrictions just before they were set to end](#)

Joel Rose
NPR
December 19, 2022

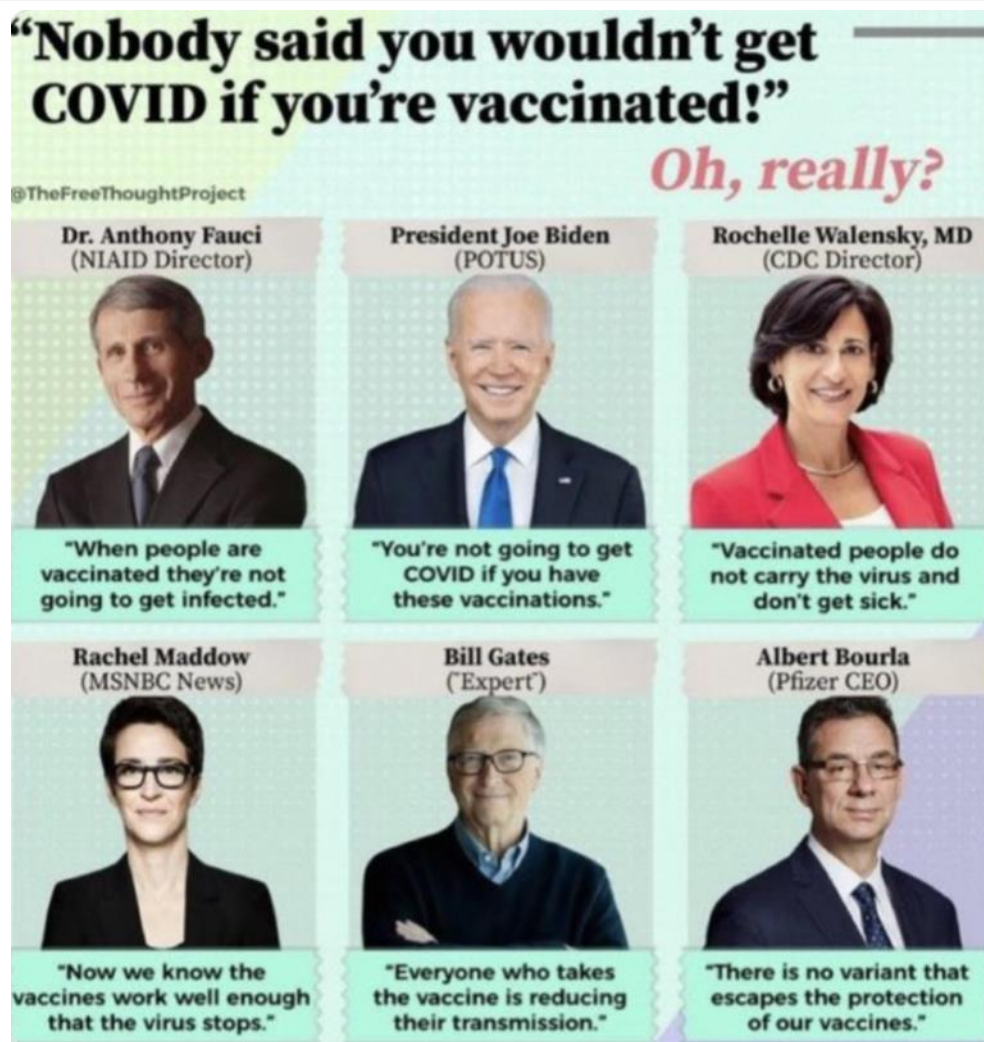
[Early flu season in U.S. may be peaking early, too](#)

Helen Branswell
Stat News
December 16, 2022

[It's Time to Wear a Mask Again, Health Experts Say](#)

Dana G. Smith
New York Times
December 13, 2022

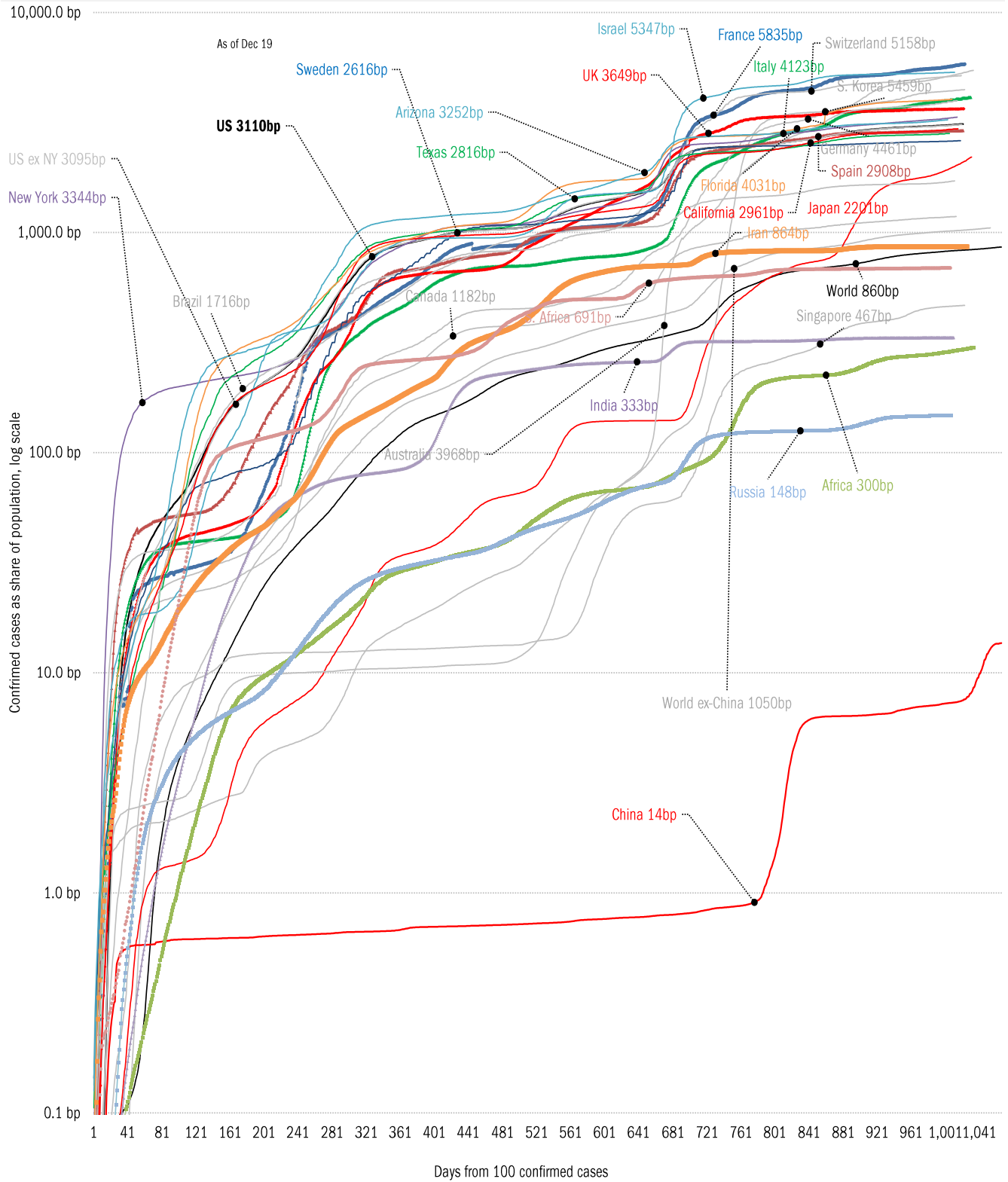
Meme of the Day



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

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

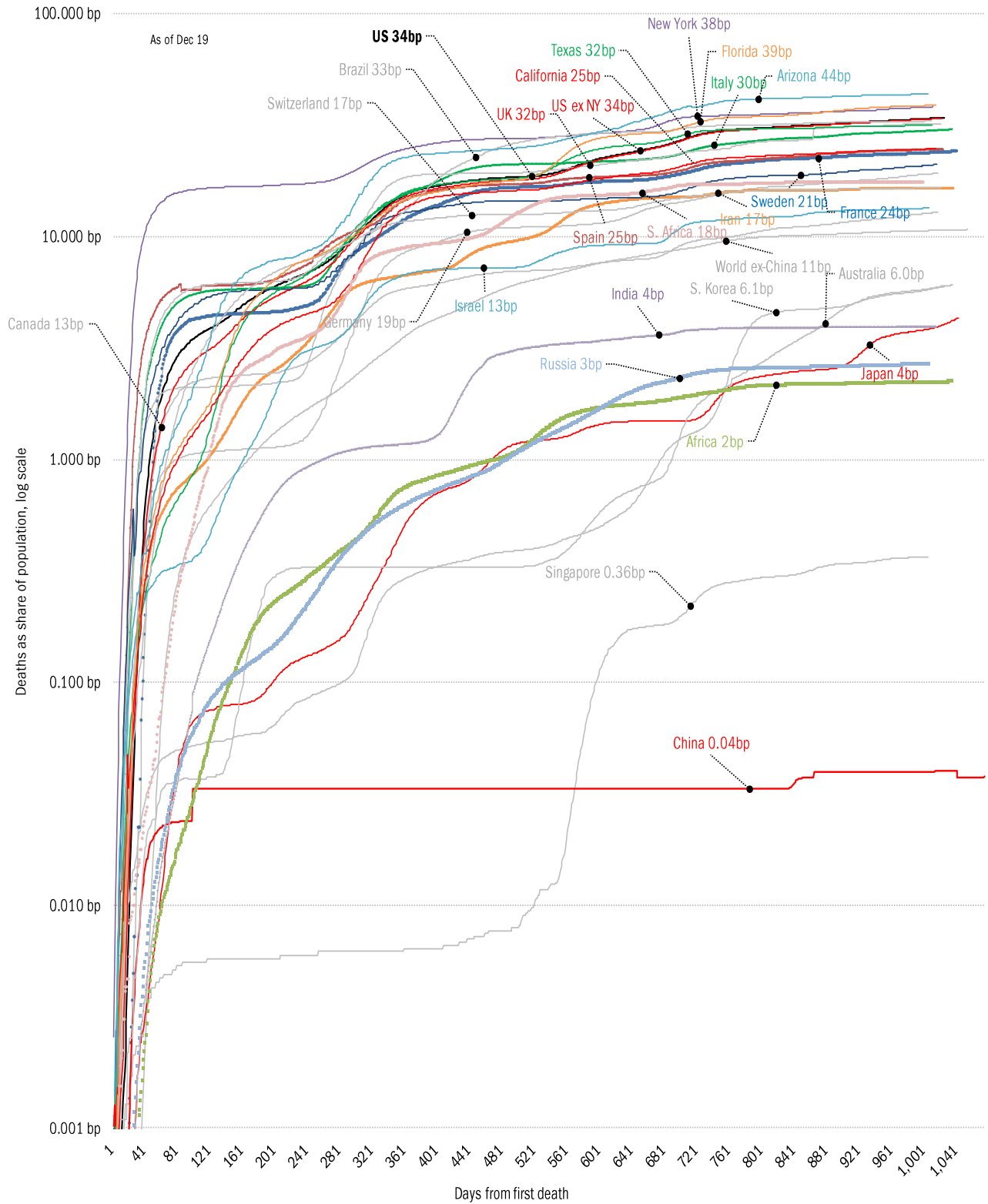
Share of infected population from first day with 100 confirmed cases, log scale



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

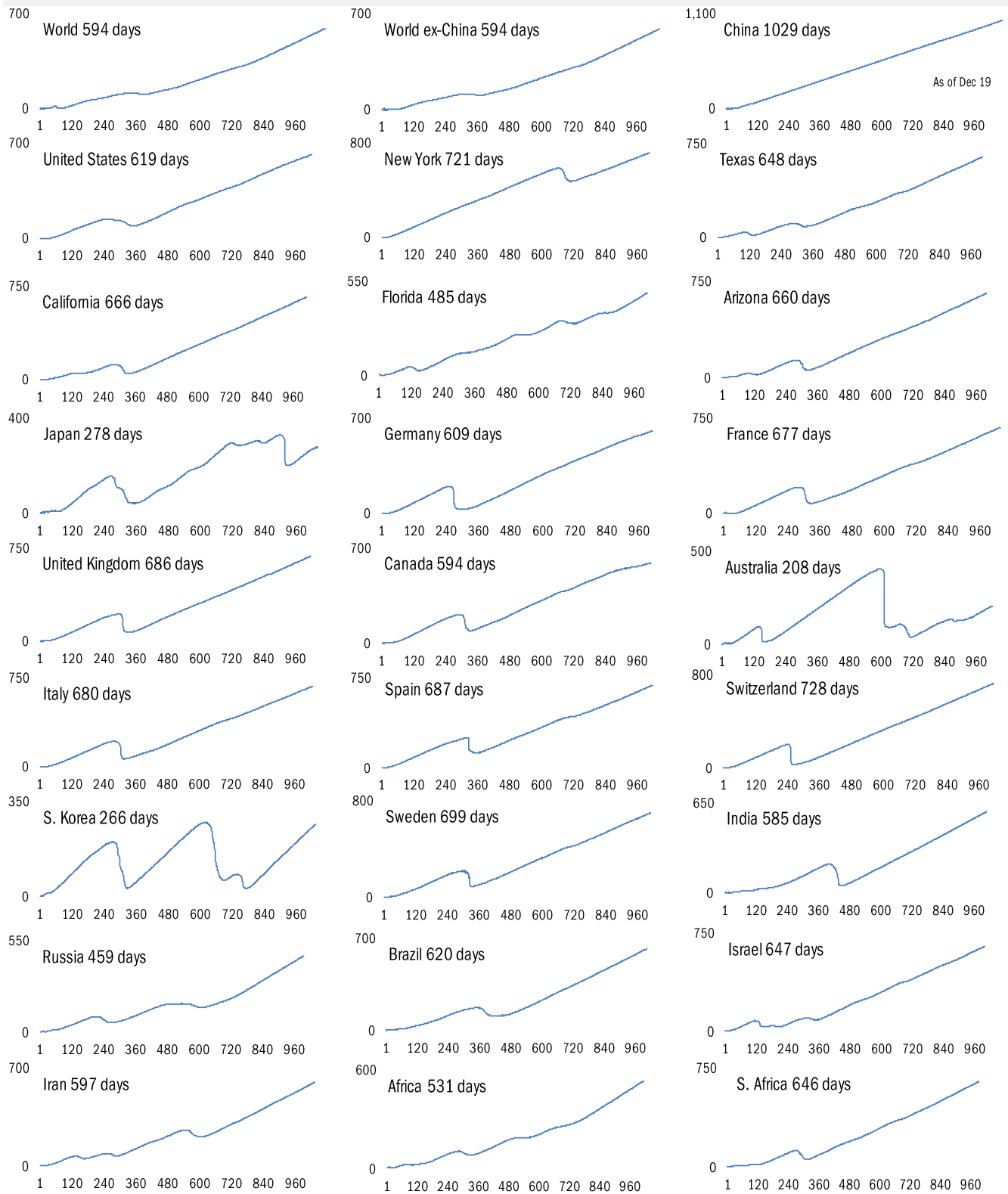


Source: [Johns Hopkins](#), TrendMacro calculations

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

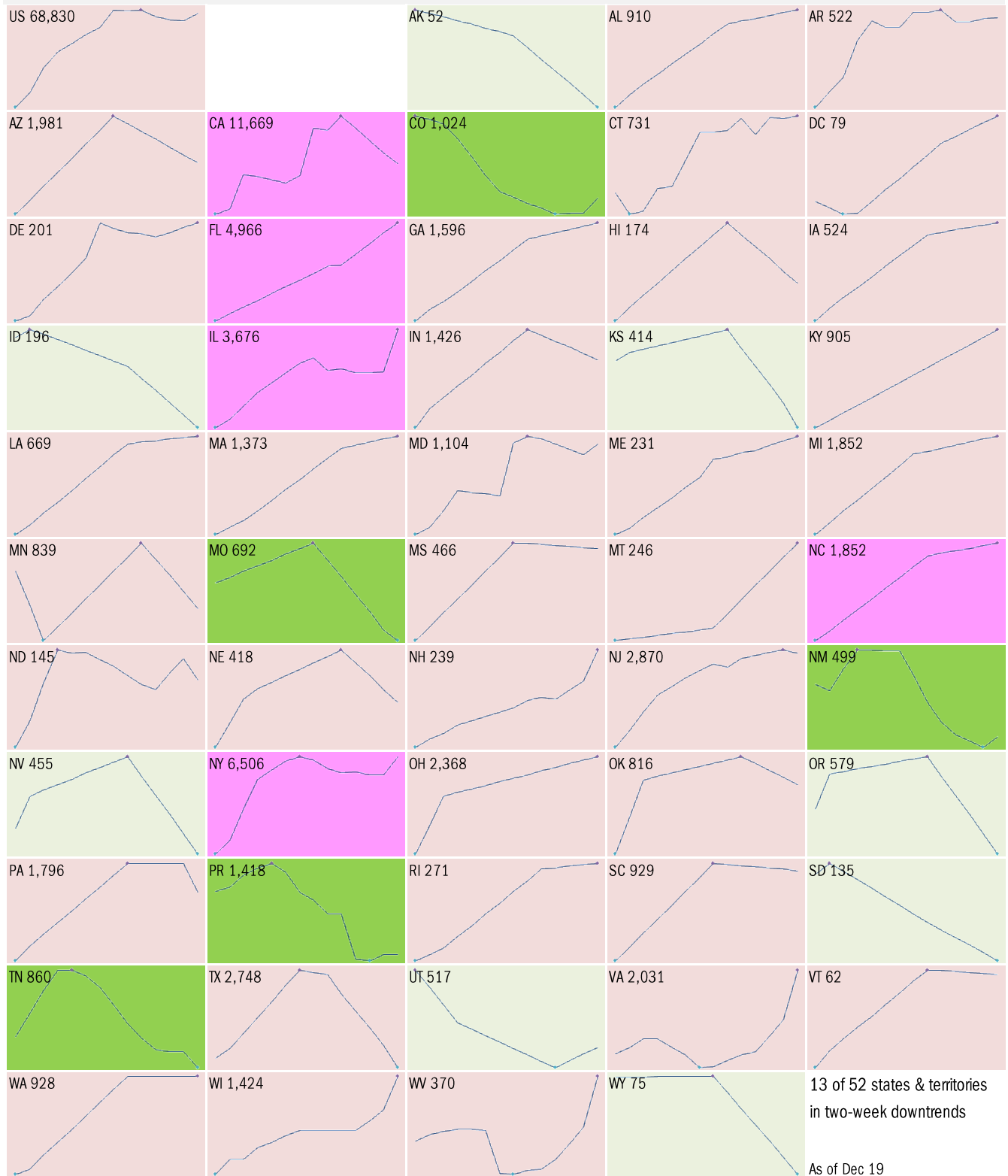


Source: [Johns Hopkins](#), TrendMacro calculations

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

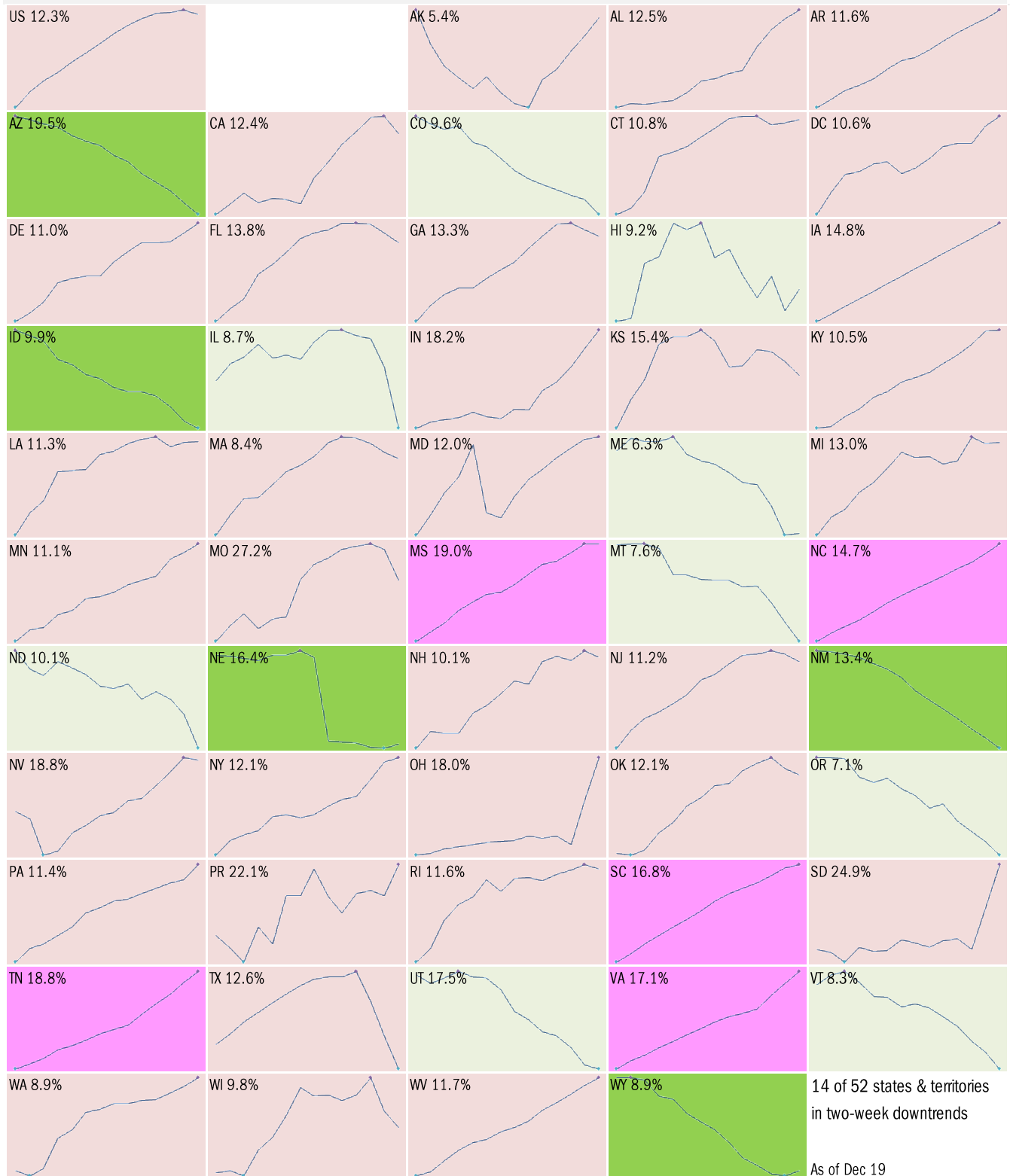


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

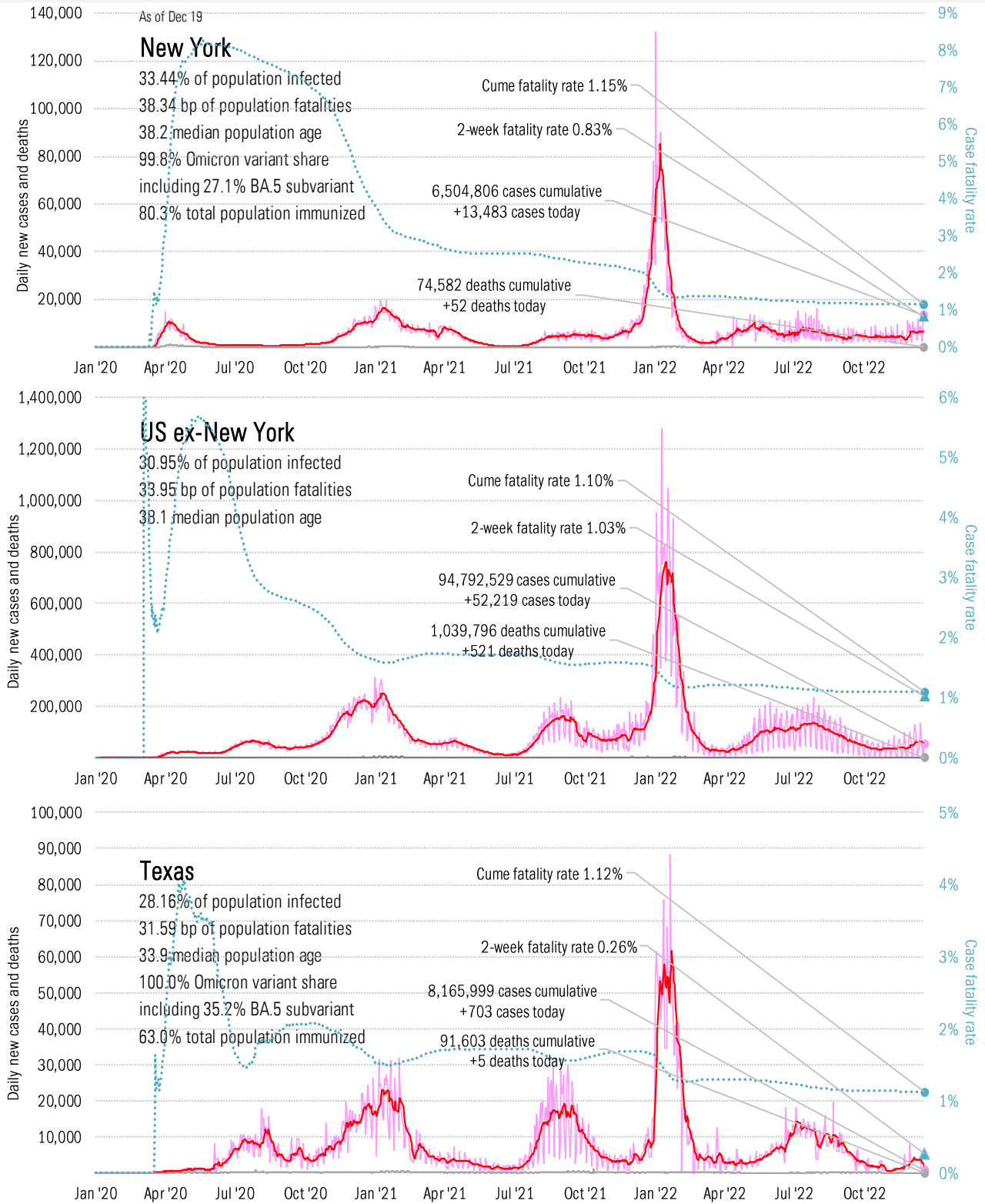
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

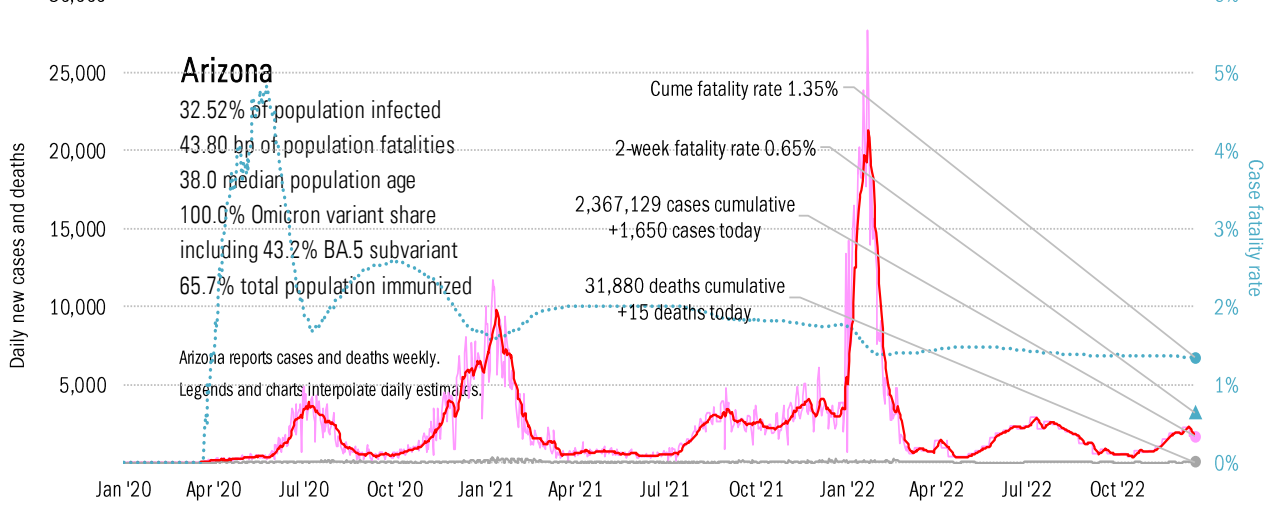
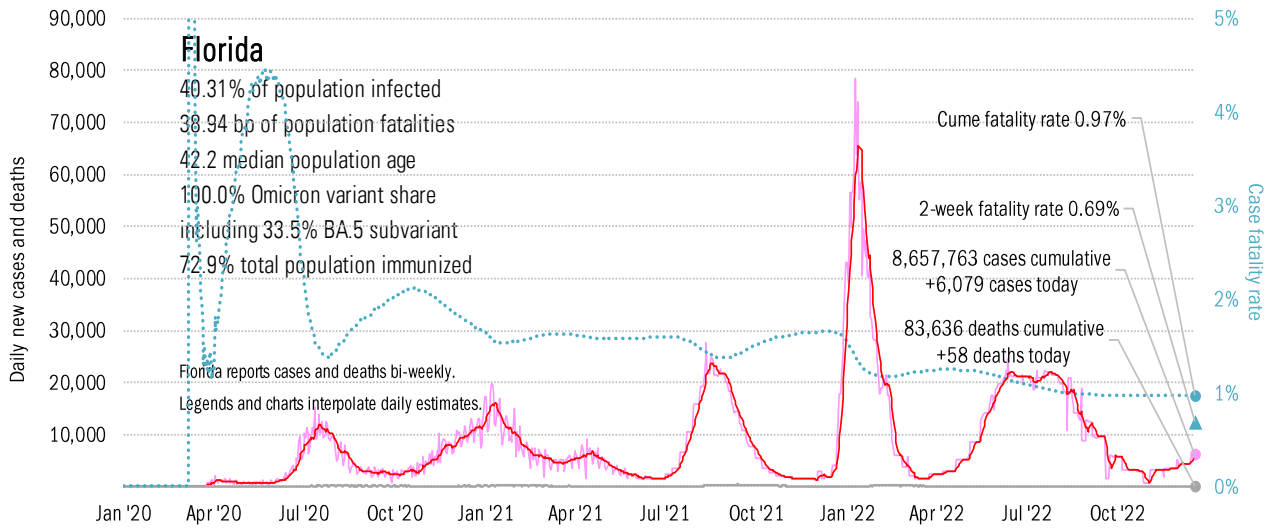
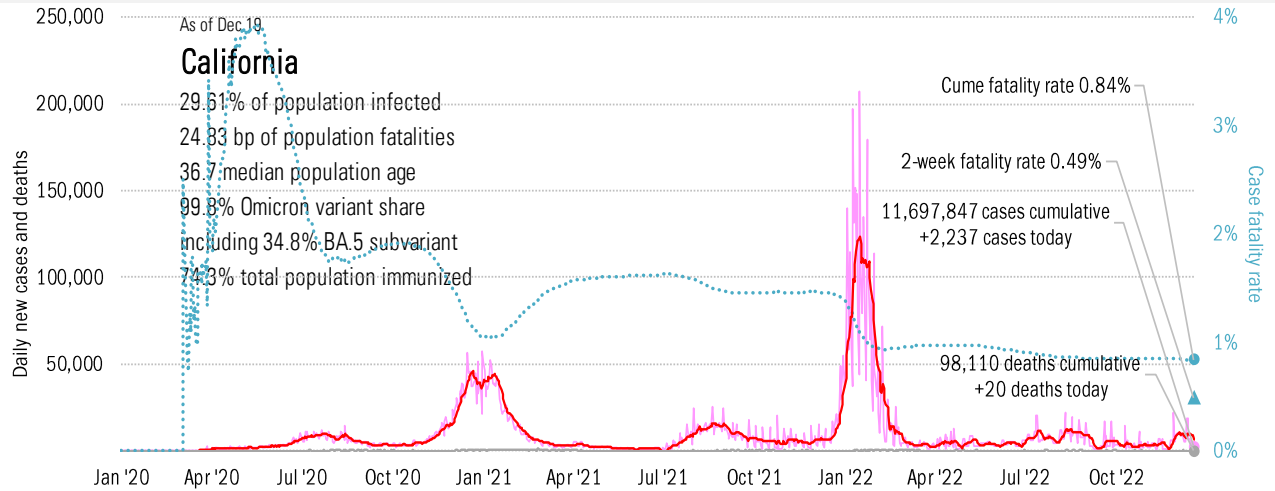
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

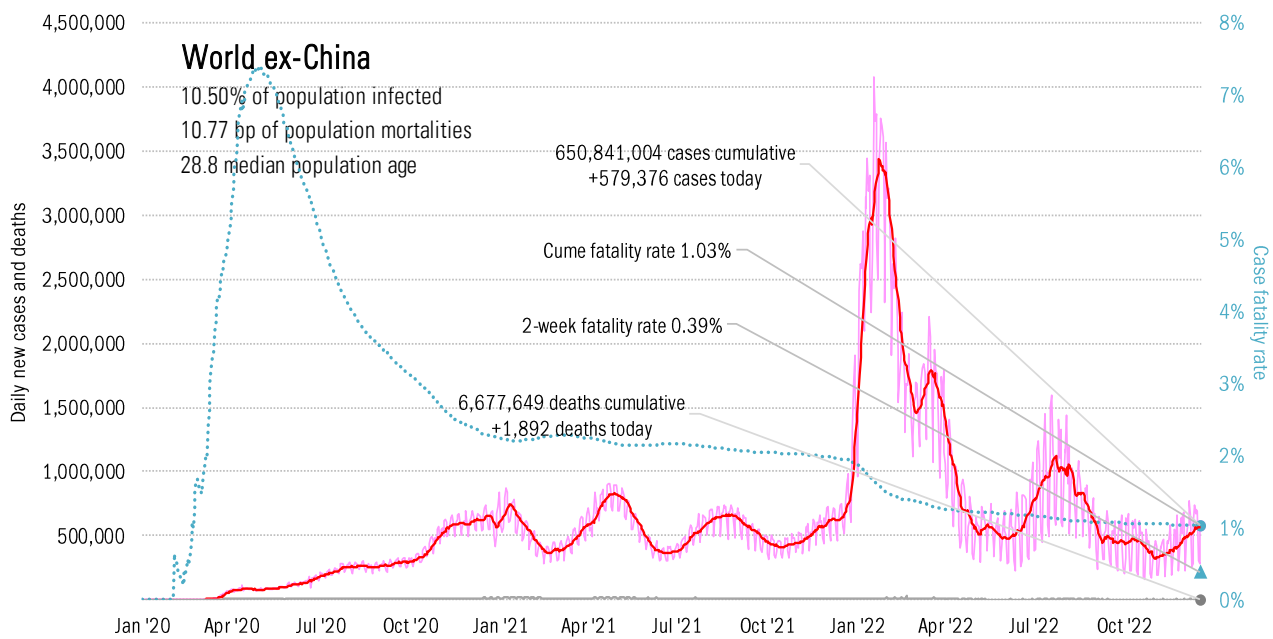
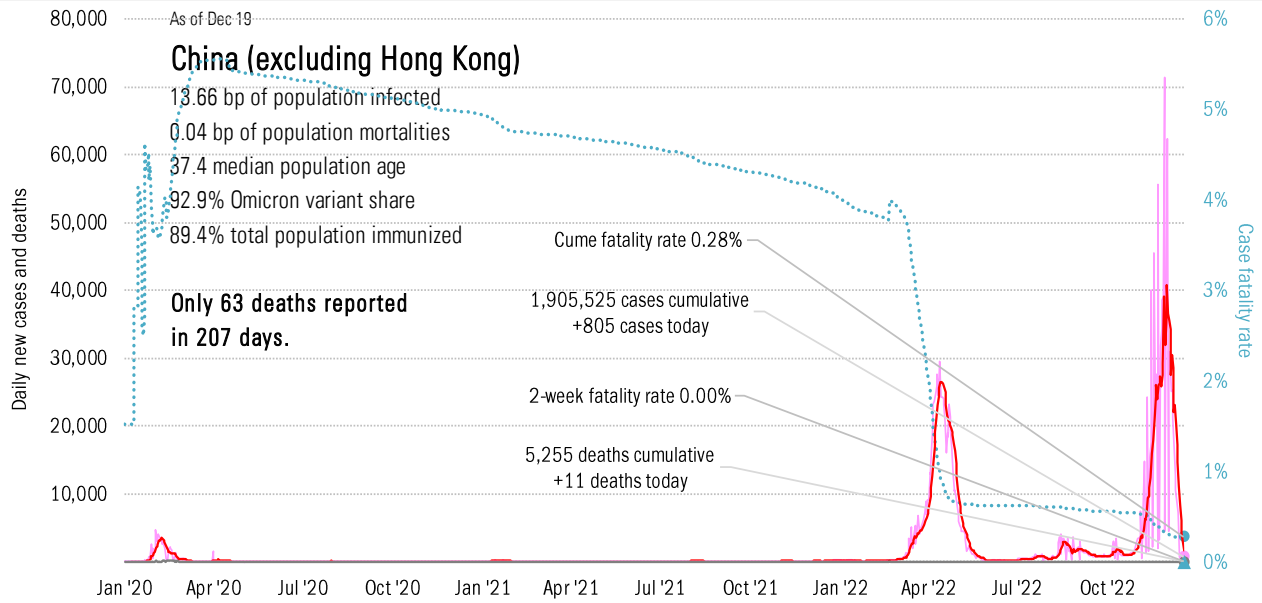
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

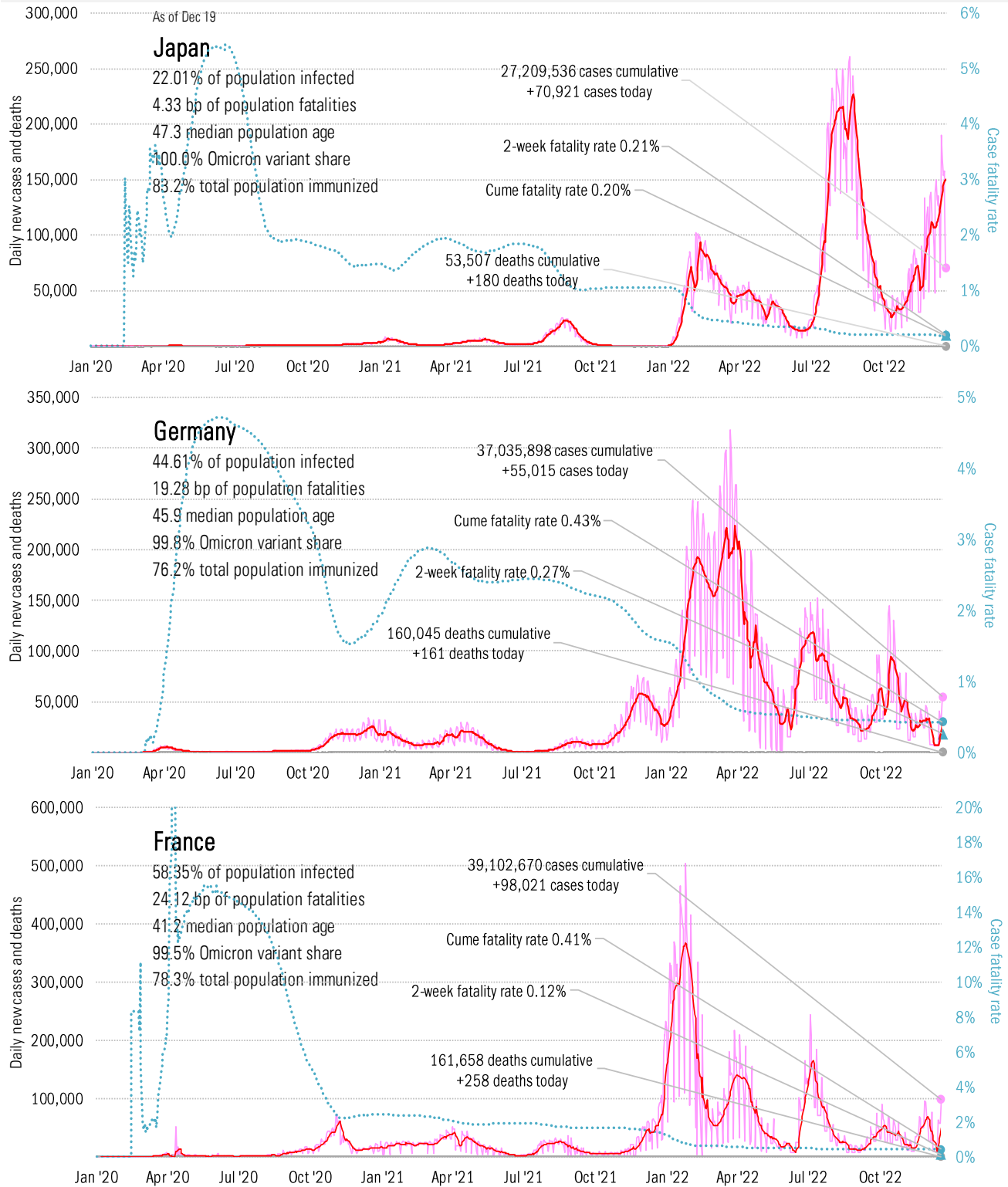
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

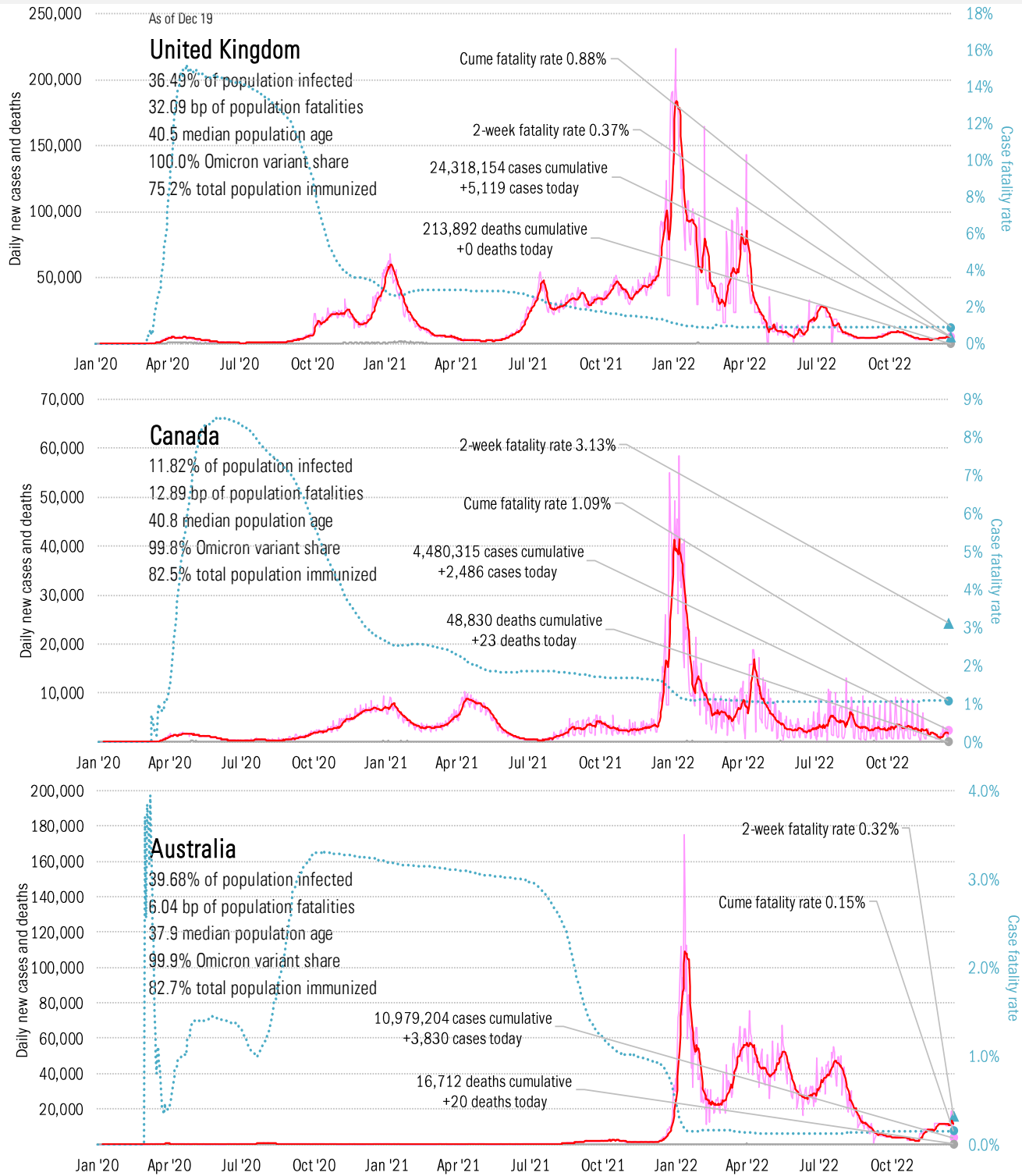
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

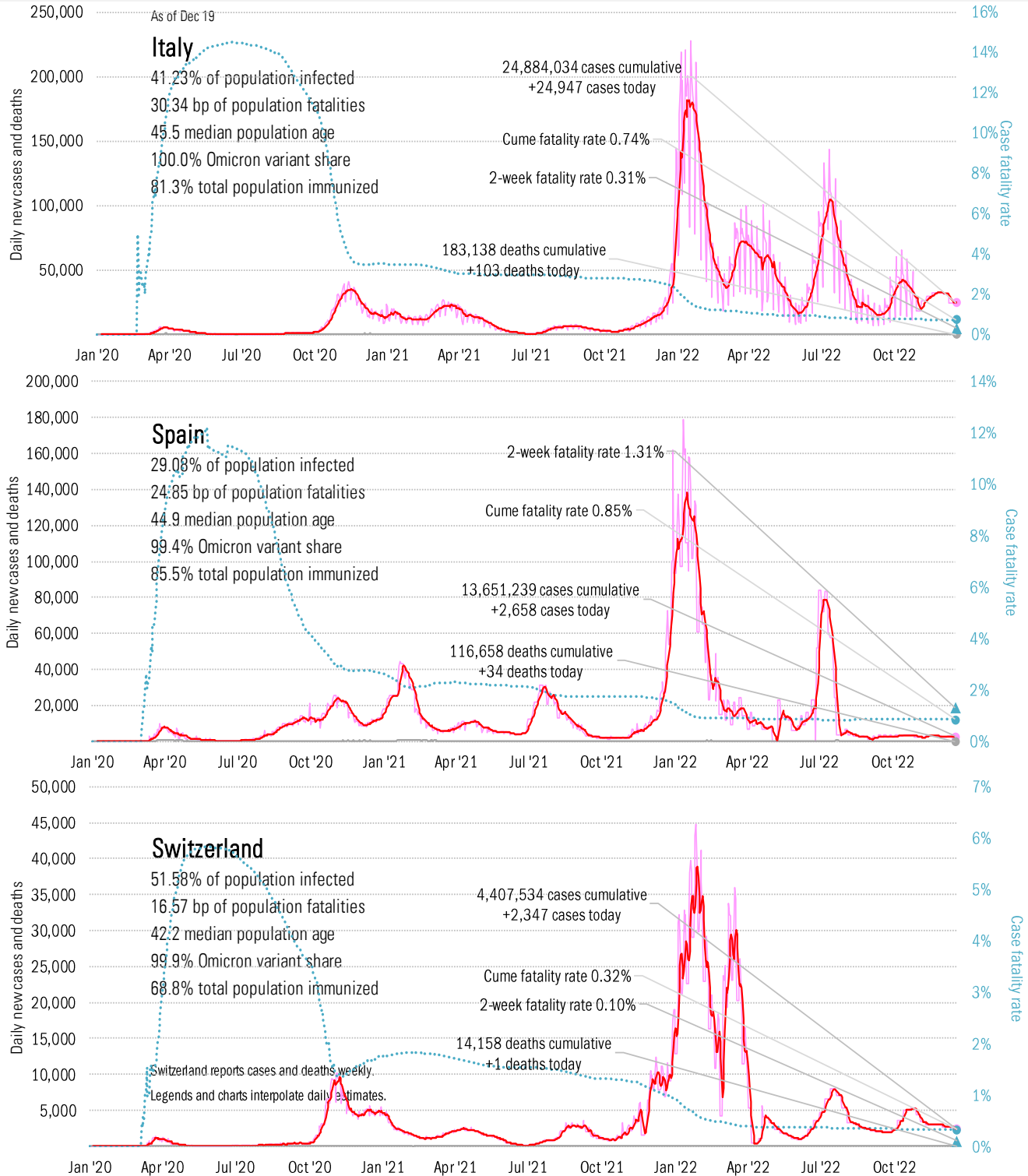
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

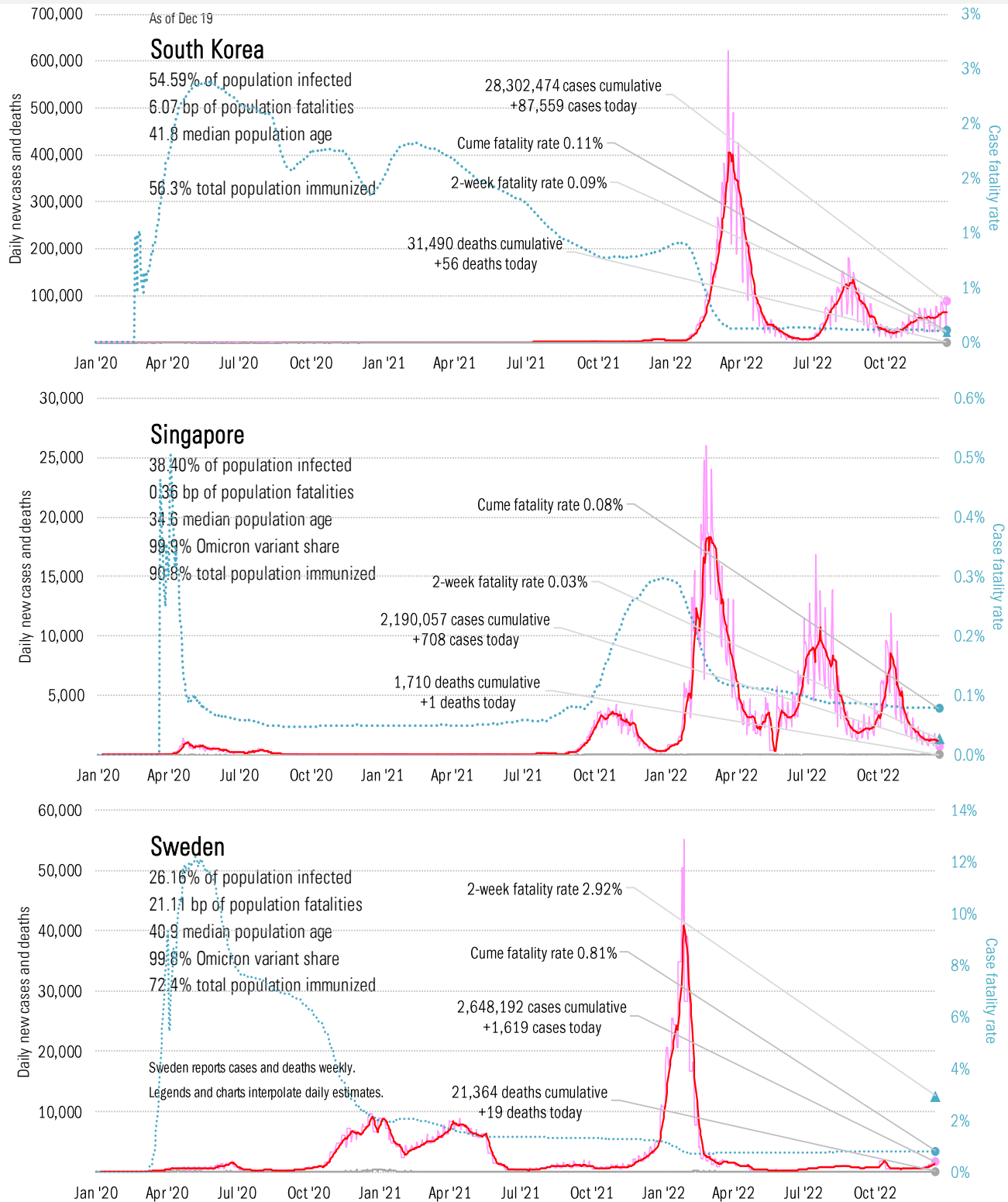
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

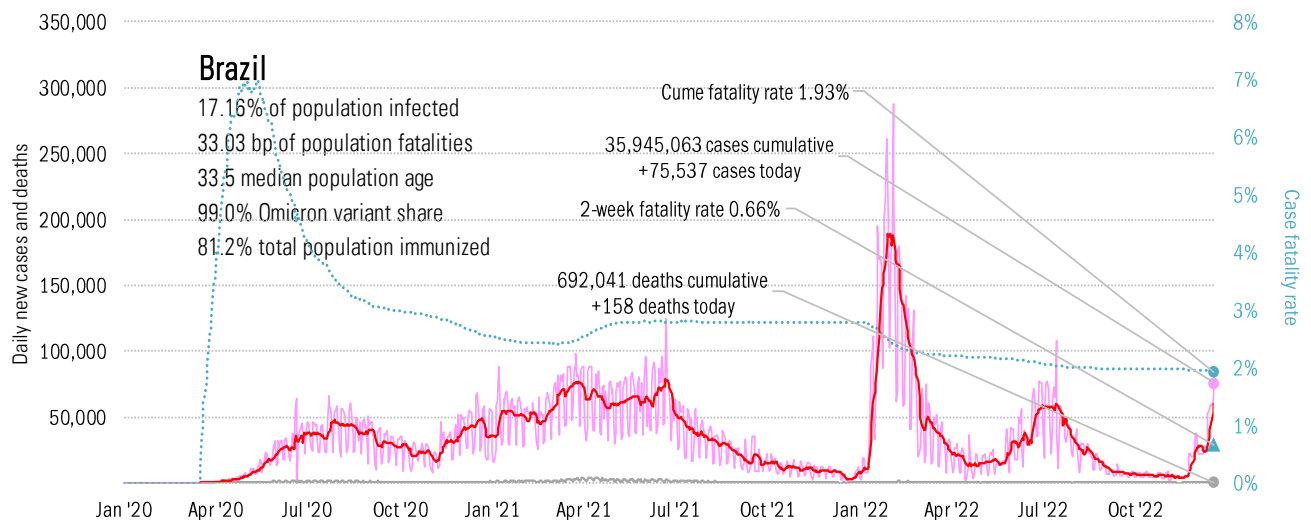
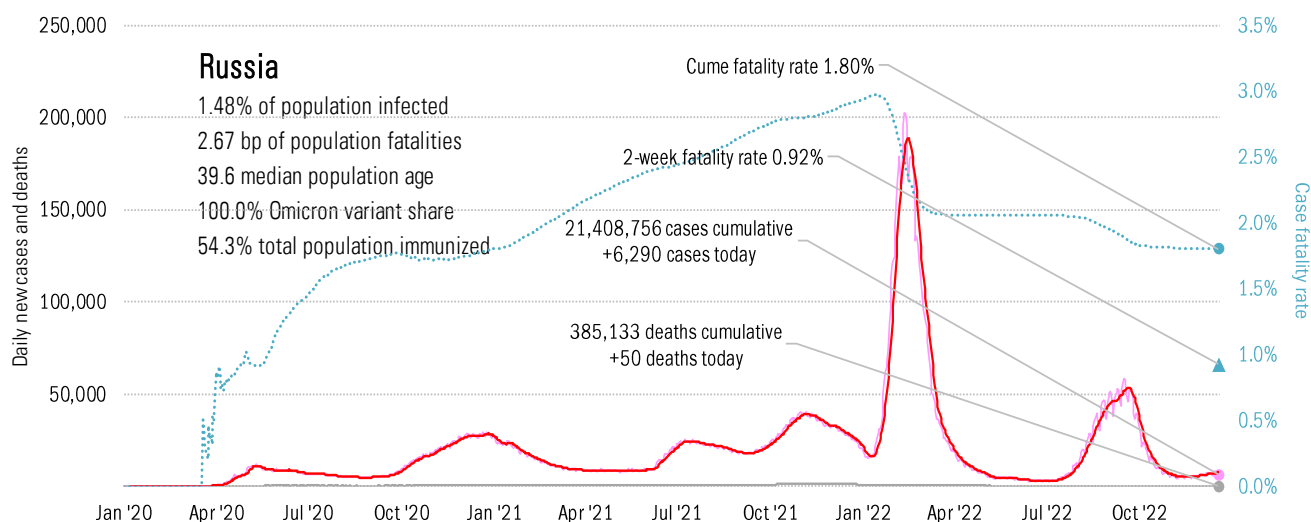
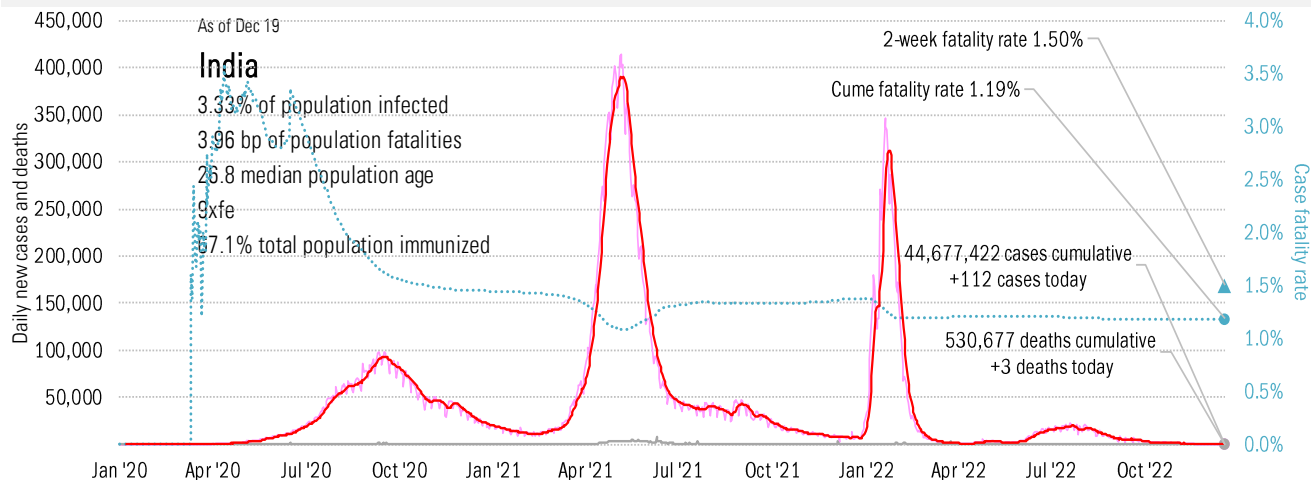
Cases: **7-day average** and **daily** Deaths: **Daily**



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

Impact in the BRICs ex-China

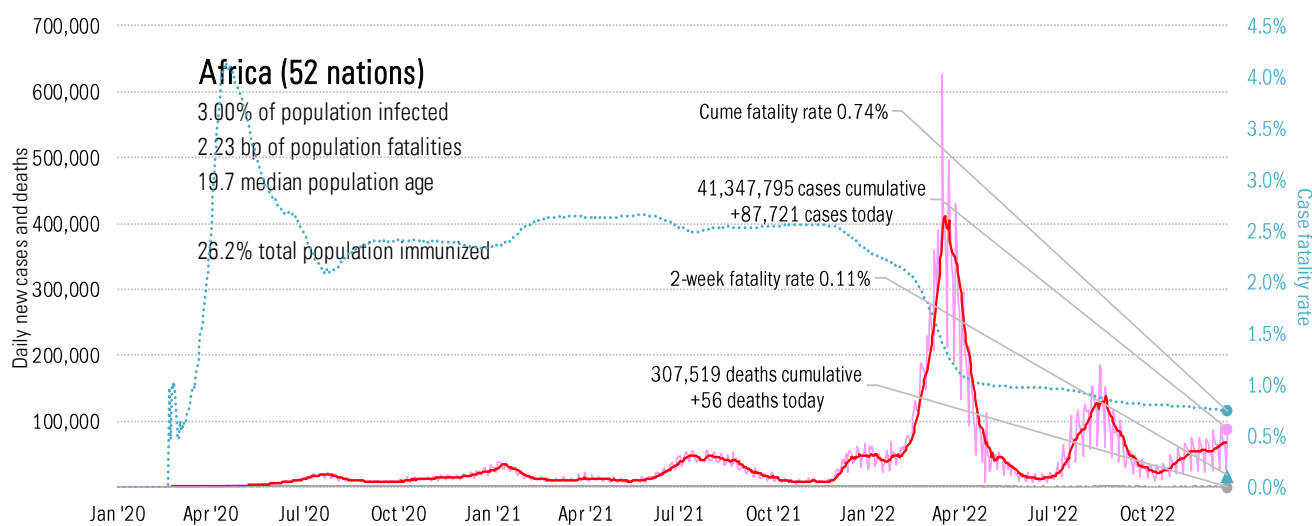
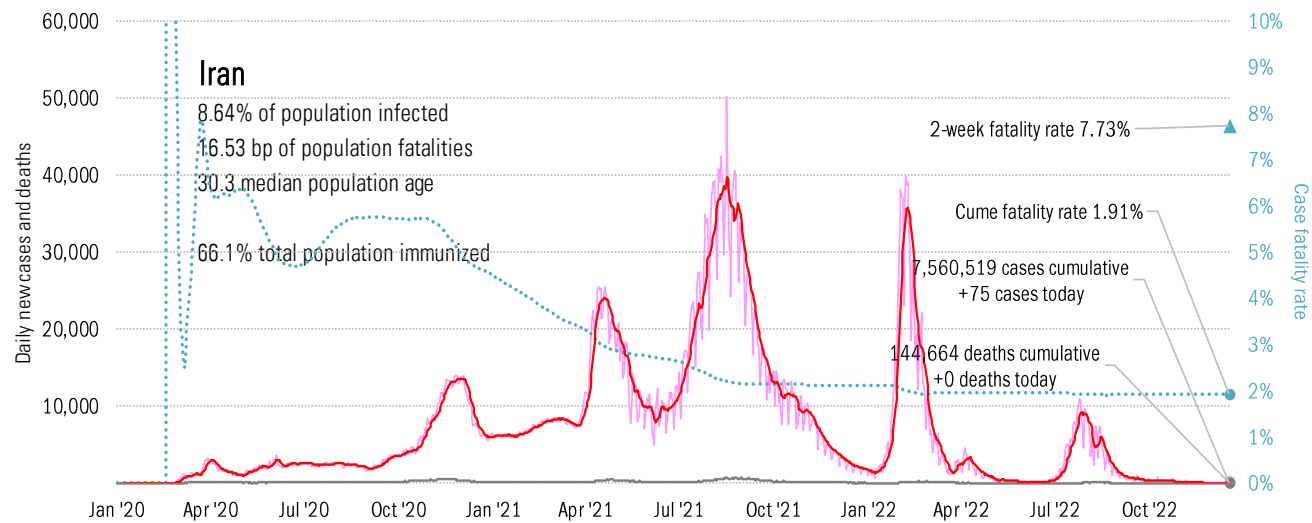
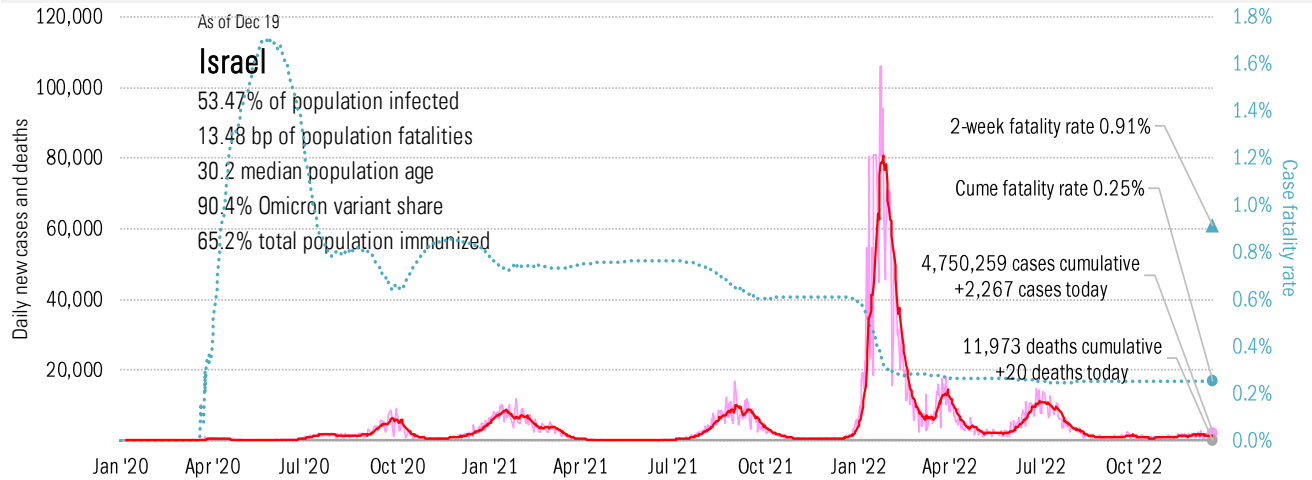
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

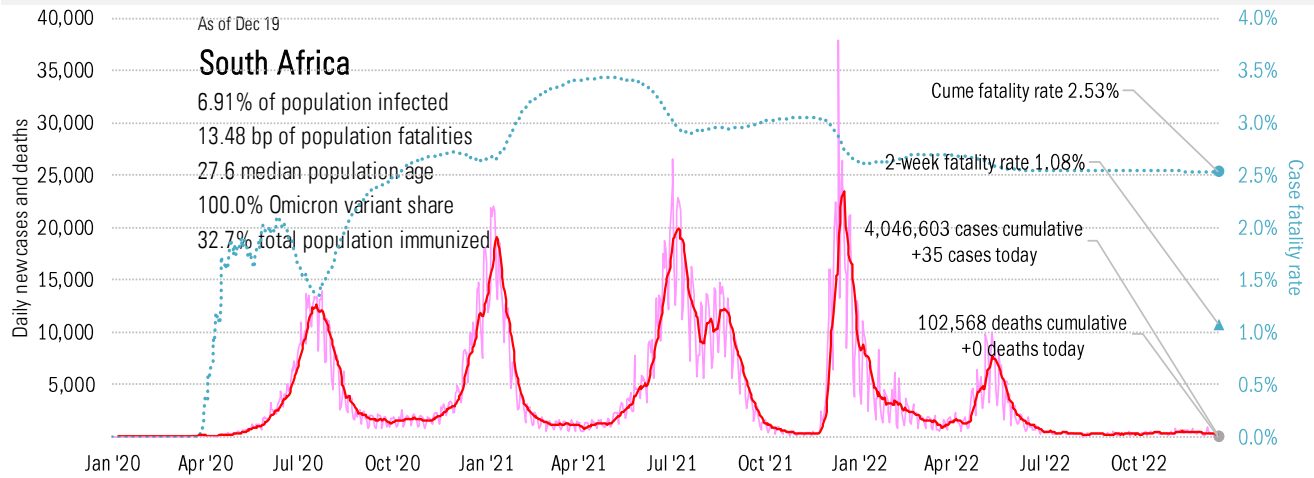
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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