Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

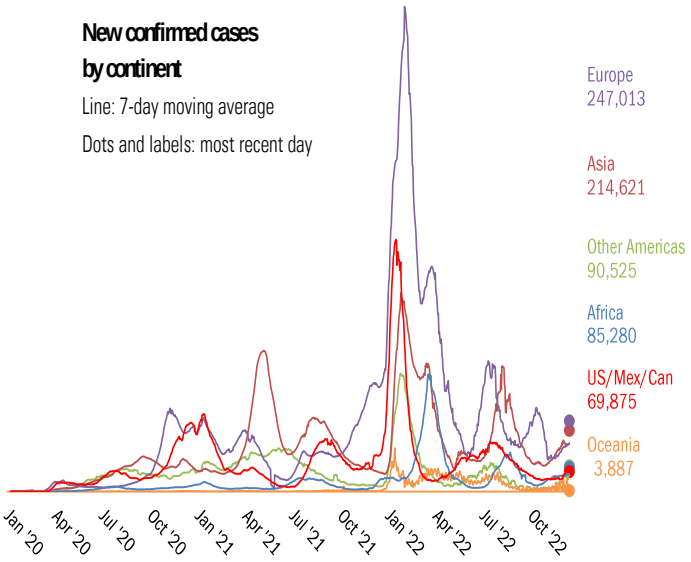
Wednesday, December 14, 2022

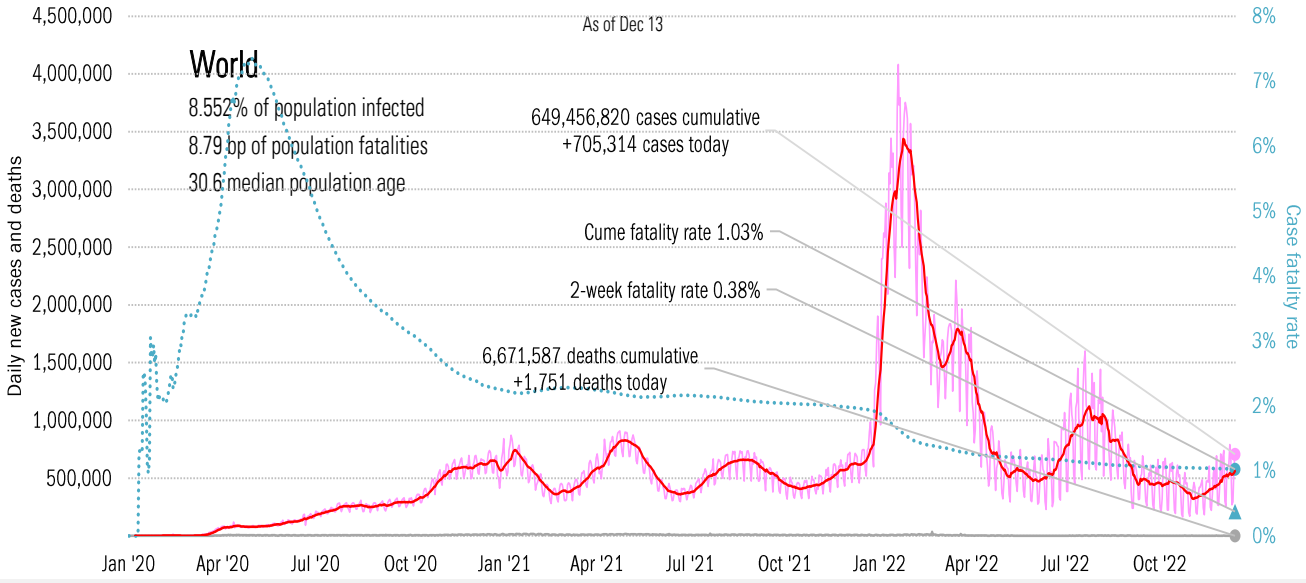
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	176,994	United States	586
Korea, South	84,571	Japan	214
United States	75,247	Brazil	163
Brazil	53,148	Greece	132
Greece	52,037	Italy	98
Italy	31,618	Russia	58
France	19,477	Germany	48
Taiwan*	17,155	Korea, South	46
Peru	14,624	Spain	45
Mongolia	12,772	France	34
	537,642		1,424
World	705,314	World	1,751
Top ten	76%	Top ten	81%





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

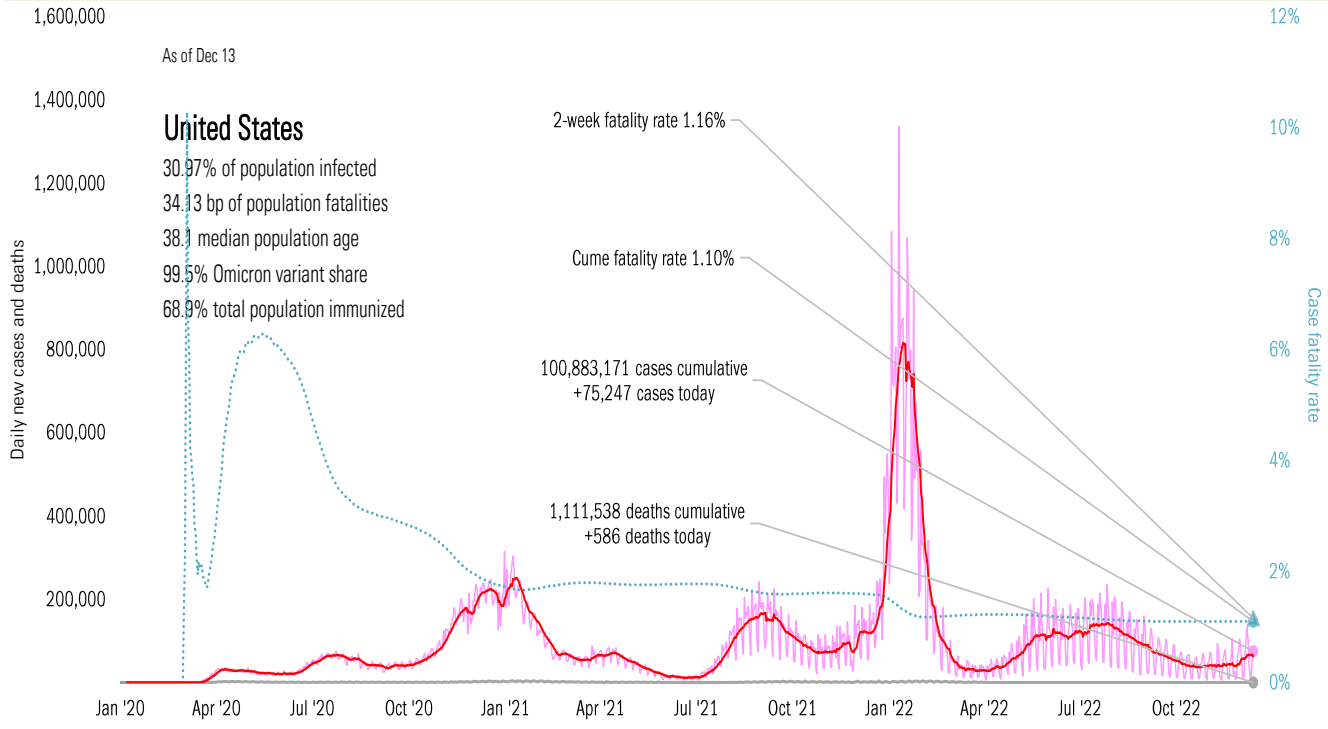
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
MI	13,043	MI	181	TX	361	CA	11,633,186	CA	97,892	TX	560,782	RI	90%	TX	87%
MO	6,689	NY	87	GA	153	TX	8,137,427	TX	91,516	CA	529,204	WA	87%	NH	86%
NY	5,794	ND	25	LA	97	FL	7,270,410	FL	83,201	FL	507,586	MA	85%	MA	85%
FL	4,419	CO	25	NC	97	NY	6,464,457	NY	74,414	NY	326,506	OR	85%	AL	84%
IL	3,314	NJ	23	CT	84	IL	3,918,785	PA	48,527	GA	231,705	GA	84%	RI	84%
MS	3,255	PA	20	WV	21	PA	3,375,513	GA	41,172	OH	231,050	MO	83%	NC	83%
NJ	2,813	CA	19	AK	8	NC	3,286,948	OH	40,644	PA	216,744	MN	83%	VT	82%
CA	2,361	IL	19	DC	15	OH	3,259,911	MI	40,508	IL	199,426	DE	83%	NM	82%
MD	2,297	WA	18	NE	34	MI	2,963,404	IL	40,441	MI	172,169	MD	83%	AK	82%
OH	2,294	MD	17	TN	96	GA	2,953,341	NJ	35,268	NJ	149,324	AK	81%	GA	81%
	46,279		434		966		53,263,382		593,583		3,124,496				
All states	75,247		586		4,657	All states	100,883,171		1,111,538		5,675,798	All states	70%		67%
Top ten	62%		74%		21%	Top ten	53%		55%		55%	Median	78%		75%

Some states not reporting

Five most improved US states

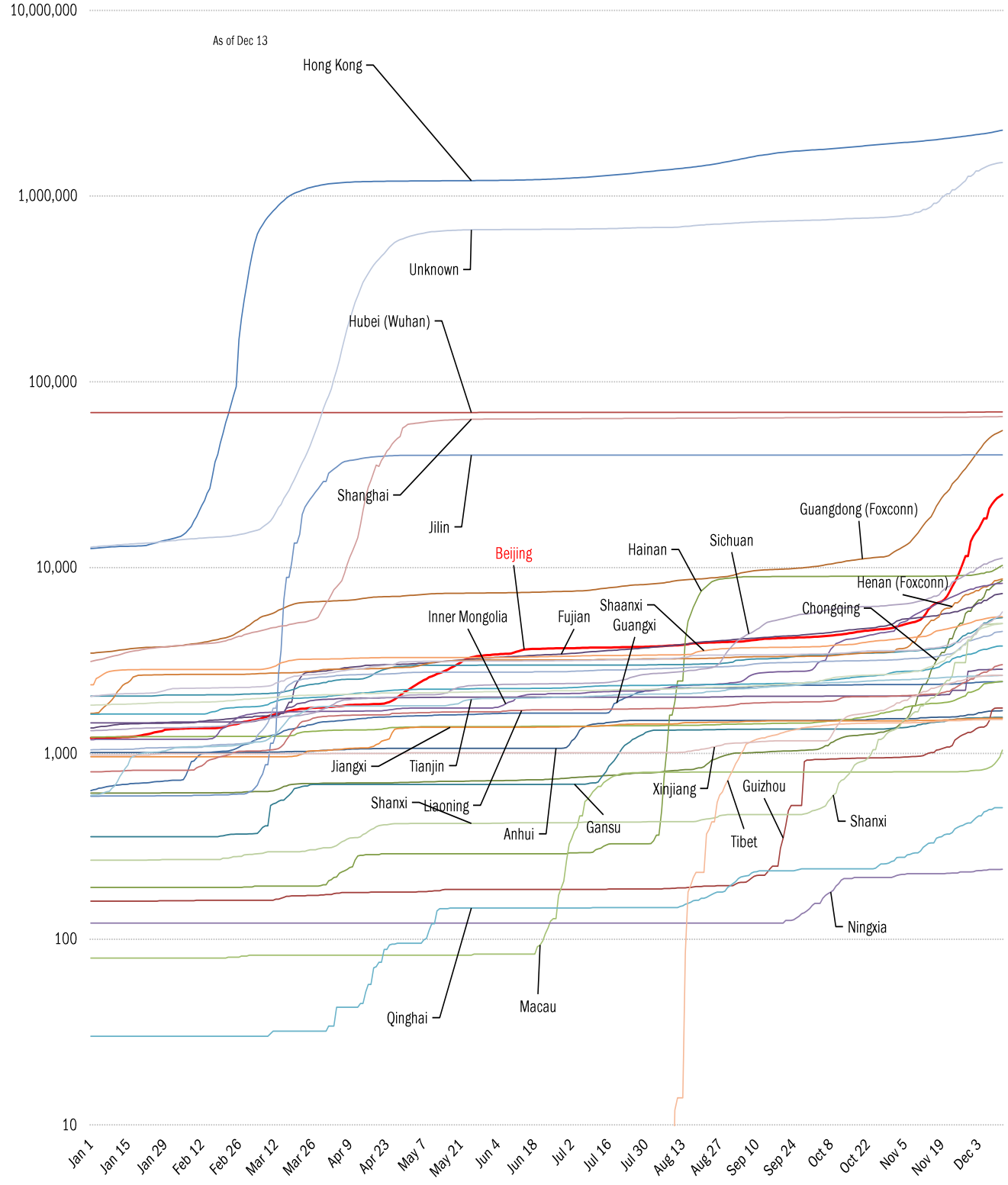
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-5,930	WV	-5	CA	-230
CA	-5,422	TX	-2	AZ	-114
DE	-306	NH	-1	NY	-79
CT	-22	NM	-1	IN	-67
AK	0	AK	0	IL	-52



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

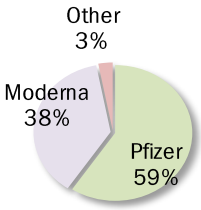
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	674,343,860				+0.193 million
				Of which boosters:	+0.168 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	276,021,875	83%	235,392,888	70%	+0.017 million
Age 12 to 17	18,376,705	73%	15,735,507	62%	+0.001 million
Age 18 to 64	183,614,597	90%	156,164,584	77%	+0.009 million
Age 65 and over	60,829,321	100%	53,278,288	97%	+0.004 million

Immunity	Full	Partial
US	68.9%	80.6%
UK	75.2%	79.7%
France	78.3%	80.5%
Spain	85.5%	86.9%
Germany	76.2%	77.8%
Italy	81.3%	86.2%
Australia	82.7%	84.9%
Israel	65.2%	71.1%
Canada	82.5%	89.6%
Japan	83.1%	84.3%
Africa	26.0%	32.0%
India	67.1%	72.5%
Brazil	80.9%	87.4%
China	89.3%	91.5%

Global data differs due to sources, timing



State
At least partial immunity as % population
Full immunity as % population

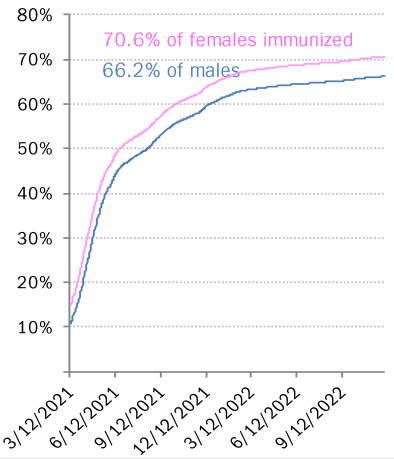
"Immunity" = two doses

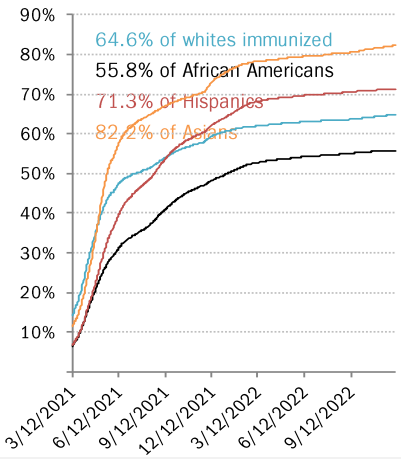
Best
Middle
Worst

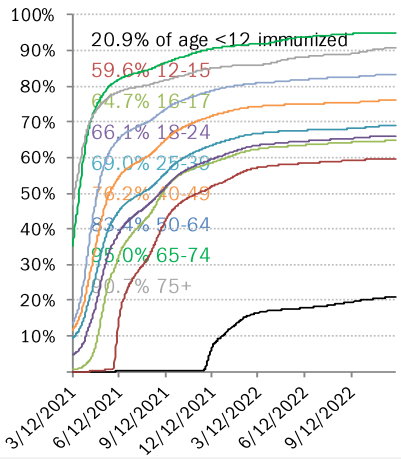
As of Dec 9

					WI					ME
					74.7%					95.0%
					67.8%					82.8%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
84.6%	63.6%	67.9%	68.9%	78.3%	78.8%	69.1%		93.8%	95.0%	87.2%
75.6%	56.2%	58.9%	58.3%	71.7%	70.9%	62.1%		80.2%	85.0%	71.3%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.0%	78.3%	60.5%	83.1%	70.3%	64.0%	65.4%	89.8%	94.0%	95.0%	
71.9%	63.1%	52.8%	65.8%	64.0%	57.5%	60.2%	72.7%	78.6%	83.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.1%	74.8%	83.2%	73.0%	68.9%	68.5%	67.2%	90.3%	91.0%	95.0%	95.0%
74.2%	66.3%	73.1%	65.9%	58.7%	59.3%	59.5%	76.1%	79.2%	82.6%	87.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	76.8%	93.4%	75.7%	69.5%	64.2%	91.1%	70.6%	95.0%	86.7%	
	65.6%	74.7%	64.8%	56.6%	56.1%	66.4%	59.6%	84.8%	72.0%	
			OK	LA	MS	AL	GA			
			74.2%	62.6%	61.4%	64.7%	67.9%			
			60.1%	54.8%	53.5%	52.9%	56.9%			
HI			TX					FL		PR
90.9%			75.8%					82.0%		95.0%
81.1%			62.9%					69.1%		86.7%

The demographics of US vaccination

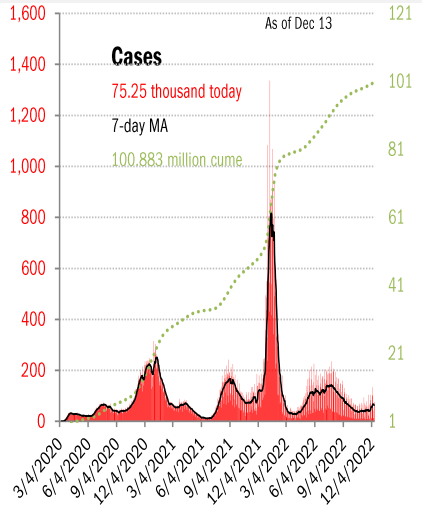


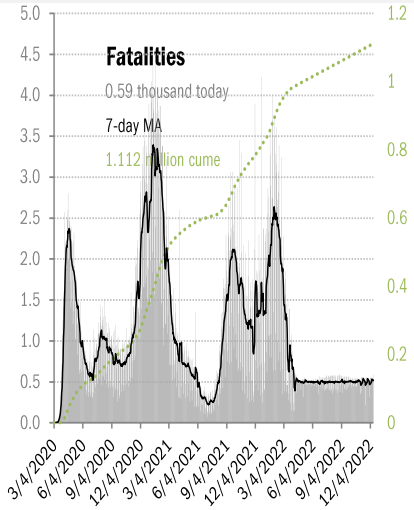


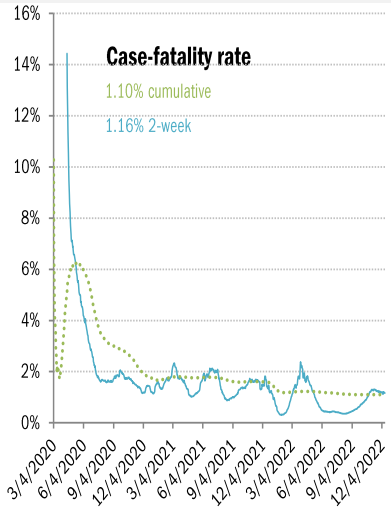


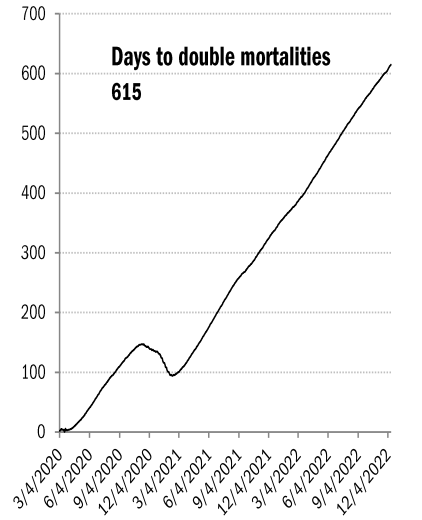
Source: CDC, CDC, Our World in Data, TrendMacro calculations

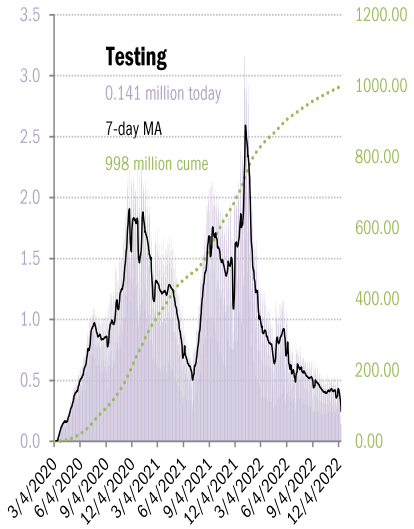
US deep-dive

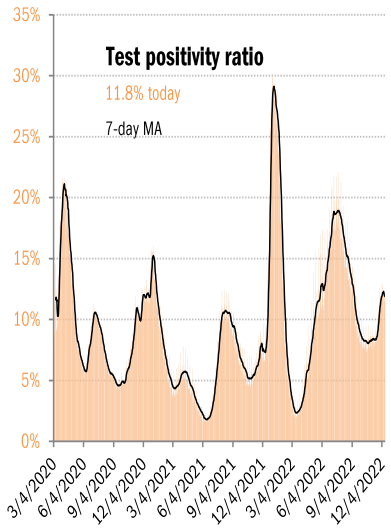


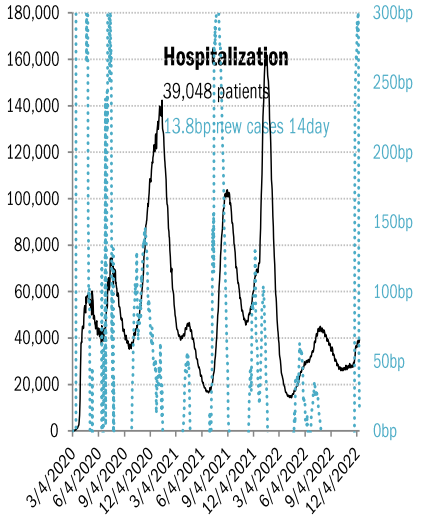


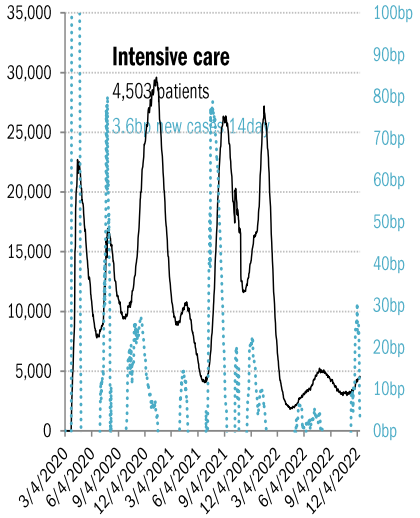


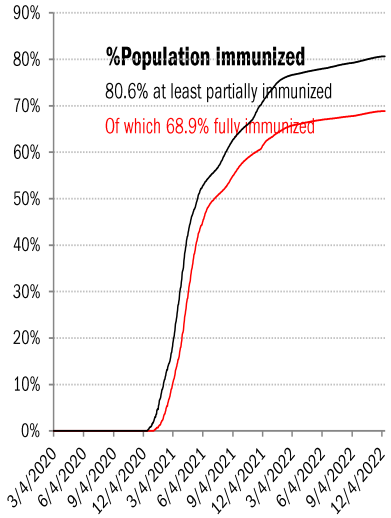










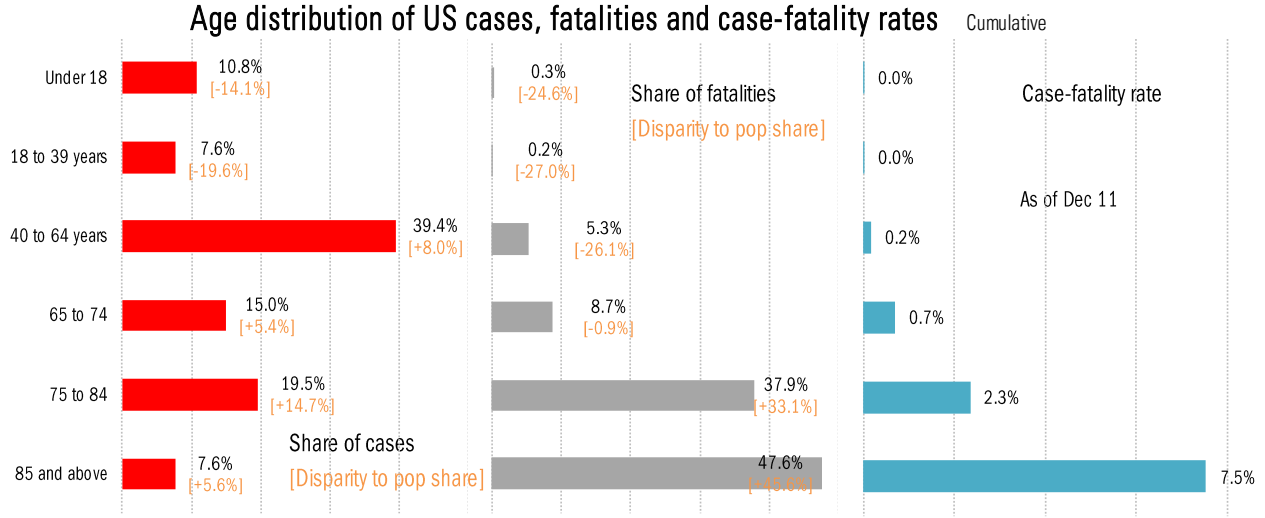


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

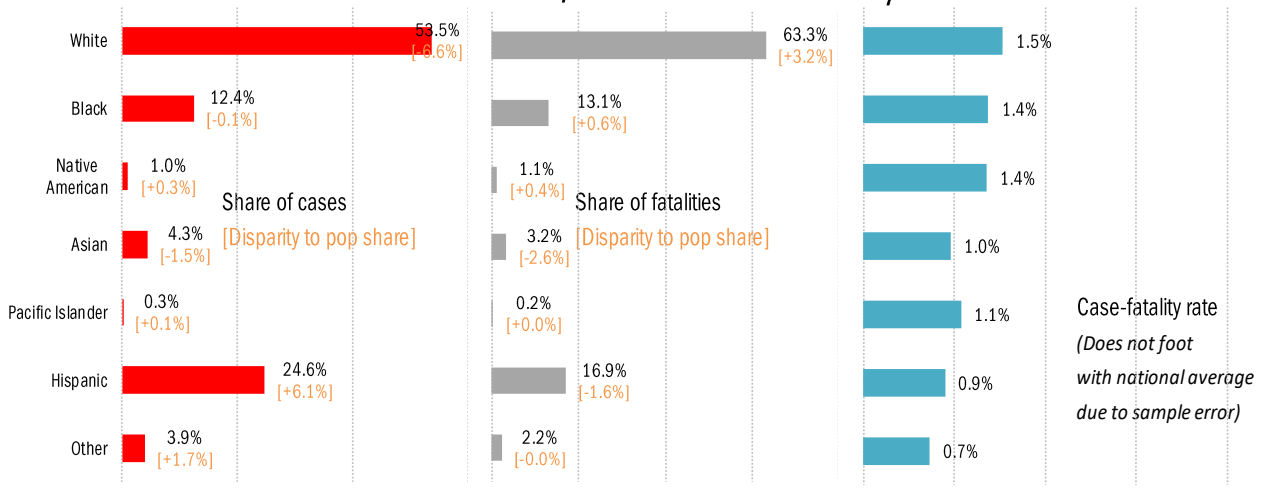
US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag

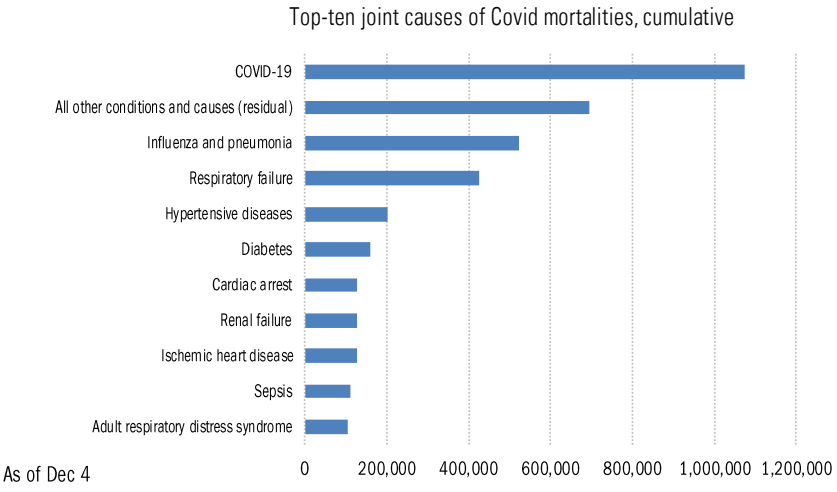
Age distribution of US cases, fatalities and case-fatality rates



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



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.

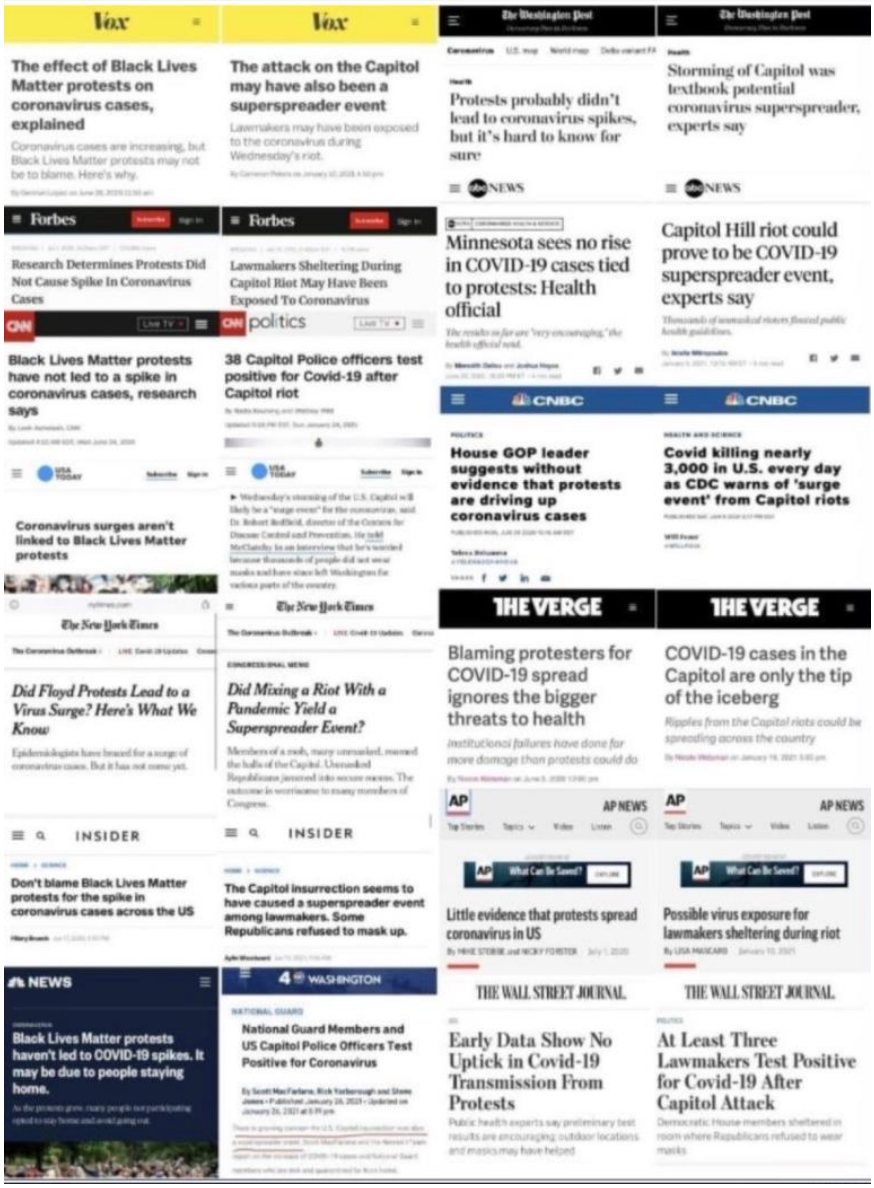
Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended Reading

[Pandemicism and the Foreknowledge of the Virus Planners]
Eugyppius
A Plague Chronicle
December 13, 2022

[What will it take for the media and public health bureaucrats to admit the mRNA vaccines have failed?]
Alex Berenson
Unreported Truths
December 13, 2022

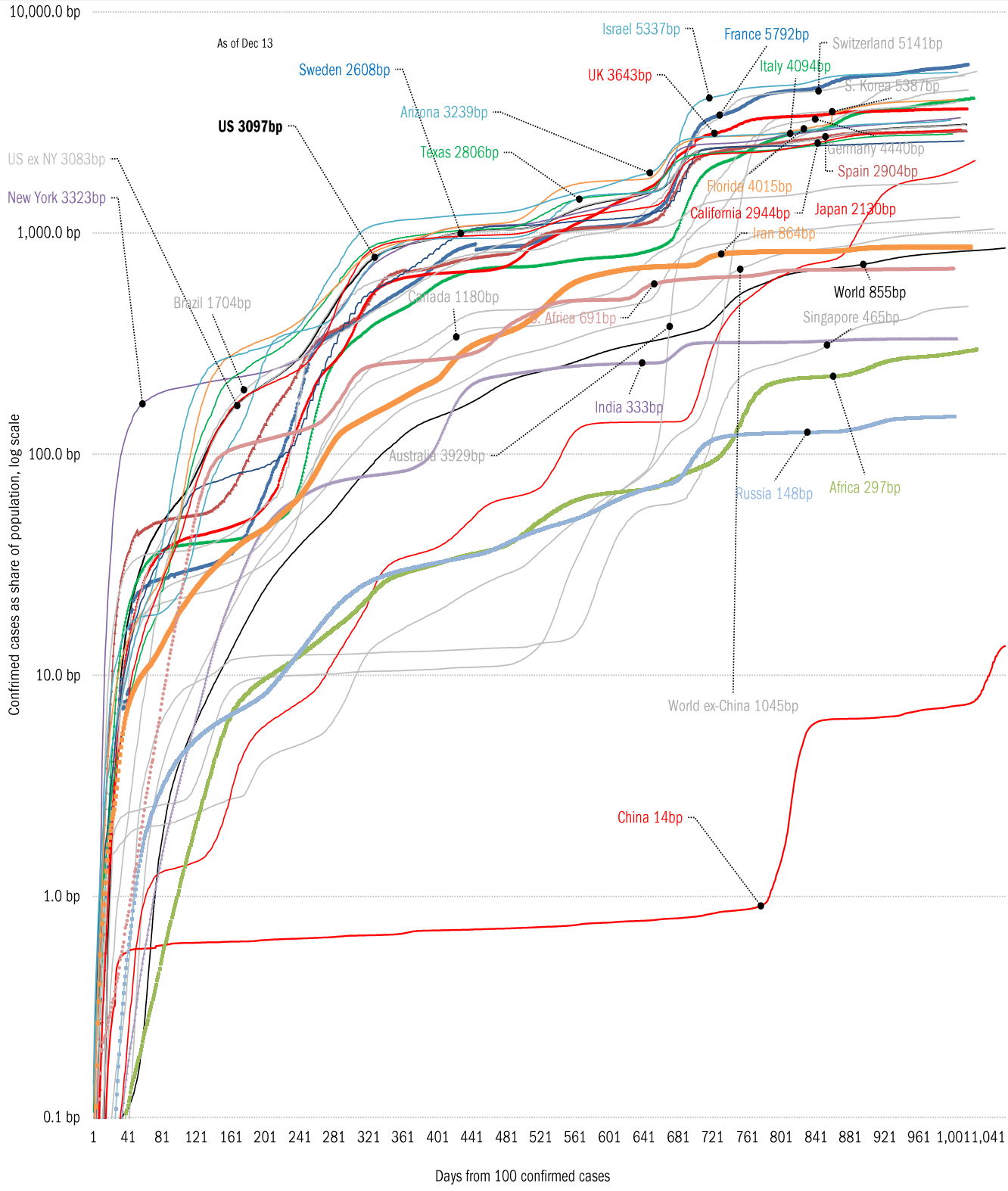
Meme of the Day



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

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

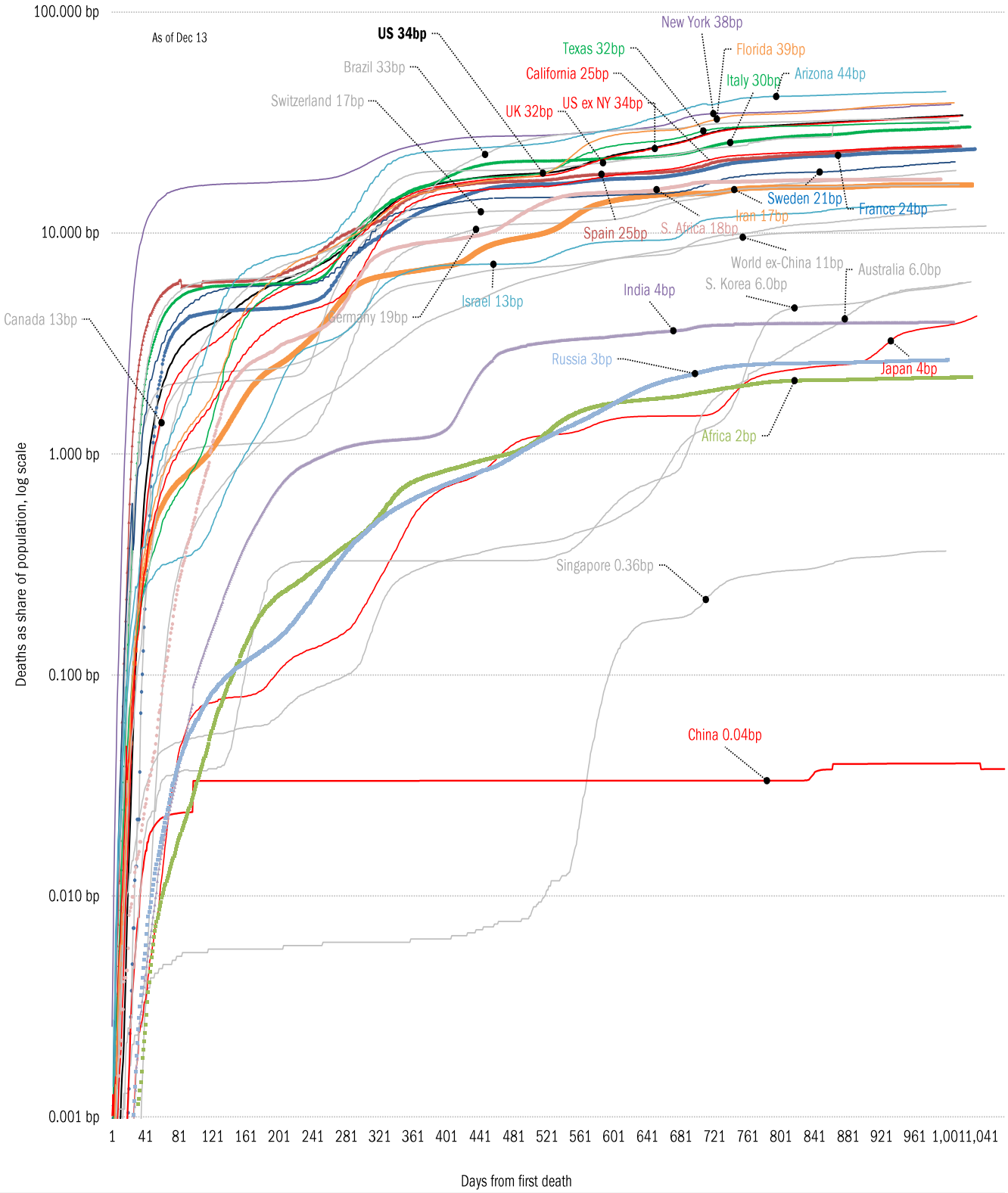
Share of infected population from first day with 100 confirmed cases, log scale



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

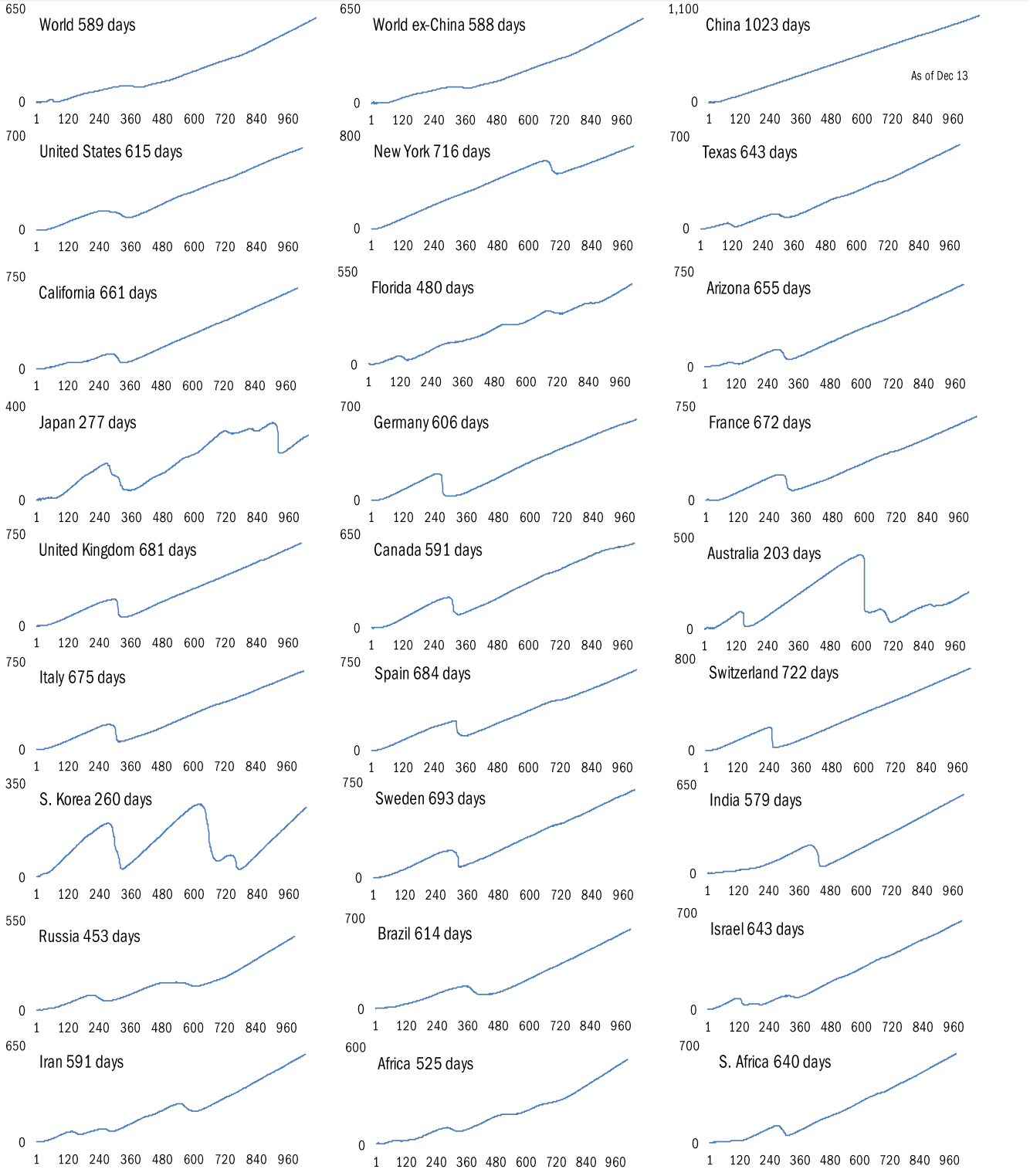


Source: Johns Hopkins, TrendMacro calculations

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

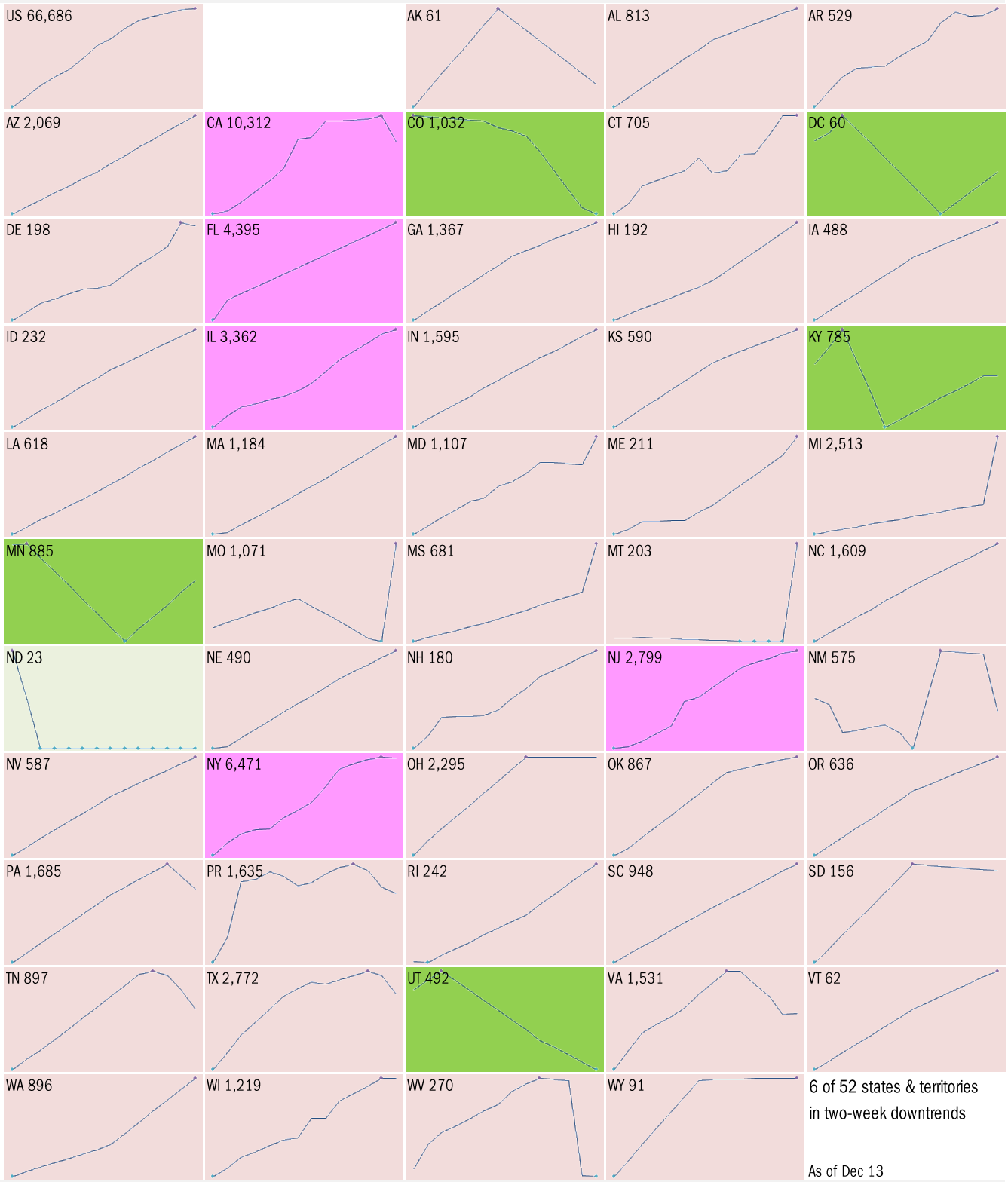


Source: Johns Hopkins, TrendMacro calculations

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

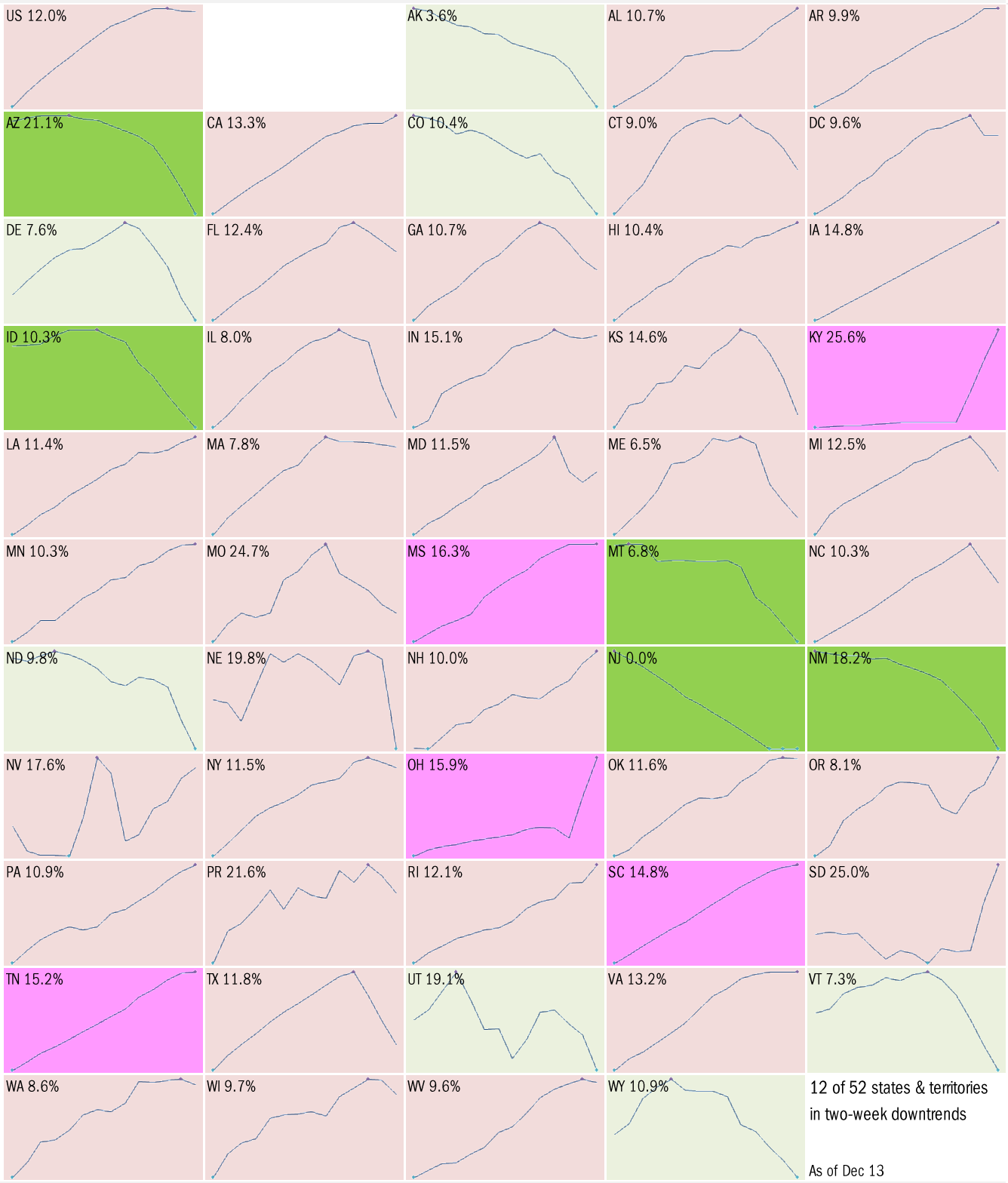


Source: Johns Hopkins, TrendMacro calculations

14-day trajectory in **test-positivity ratio**

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

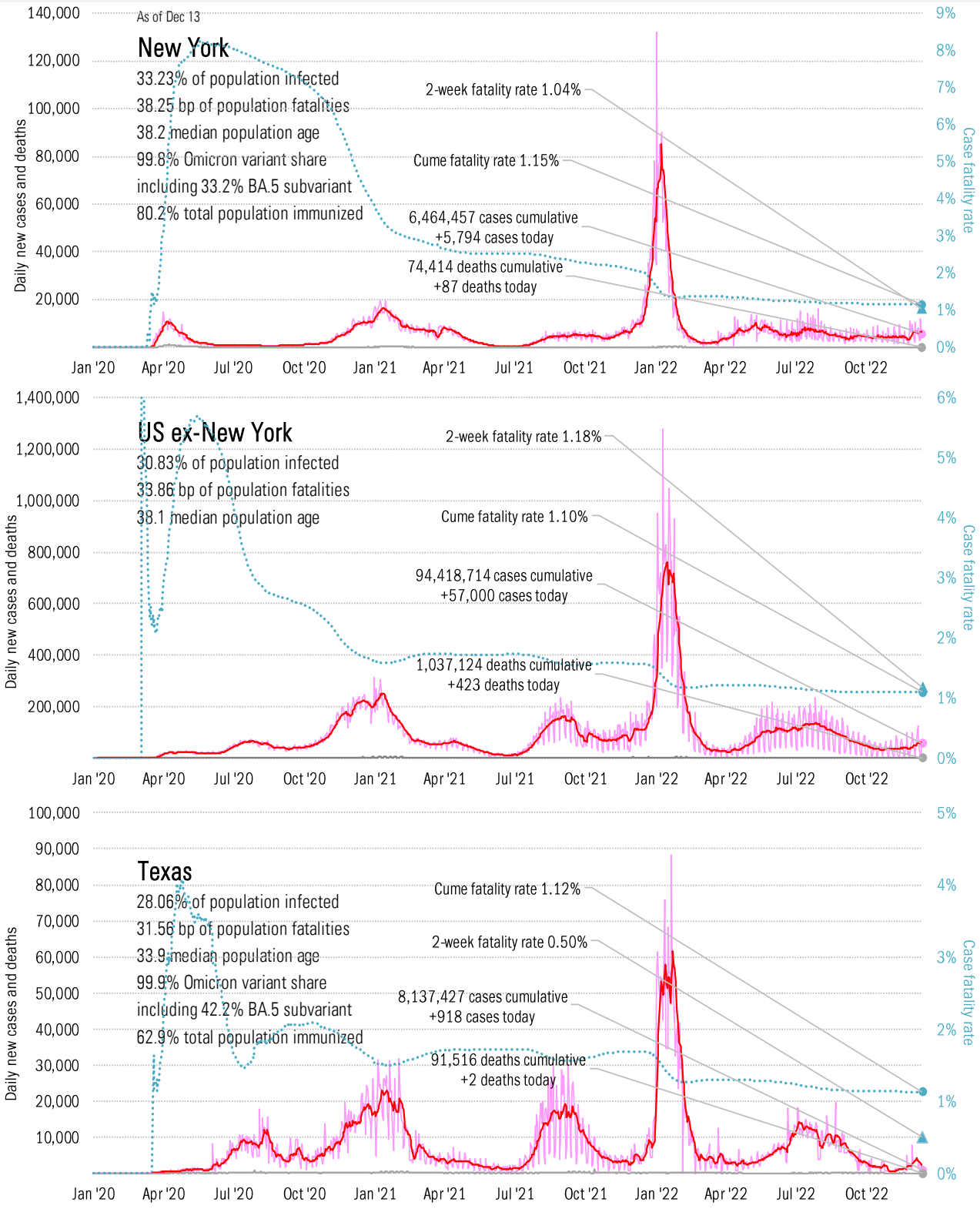
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

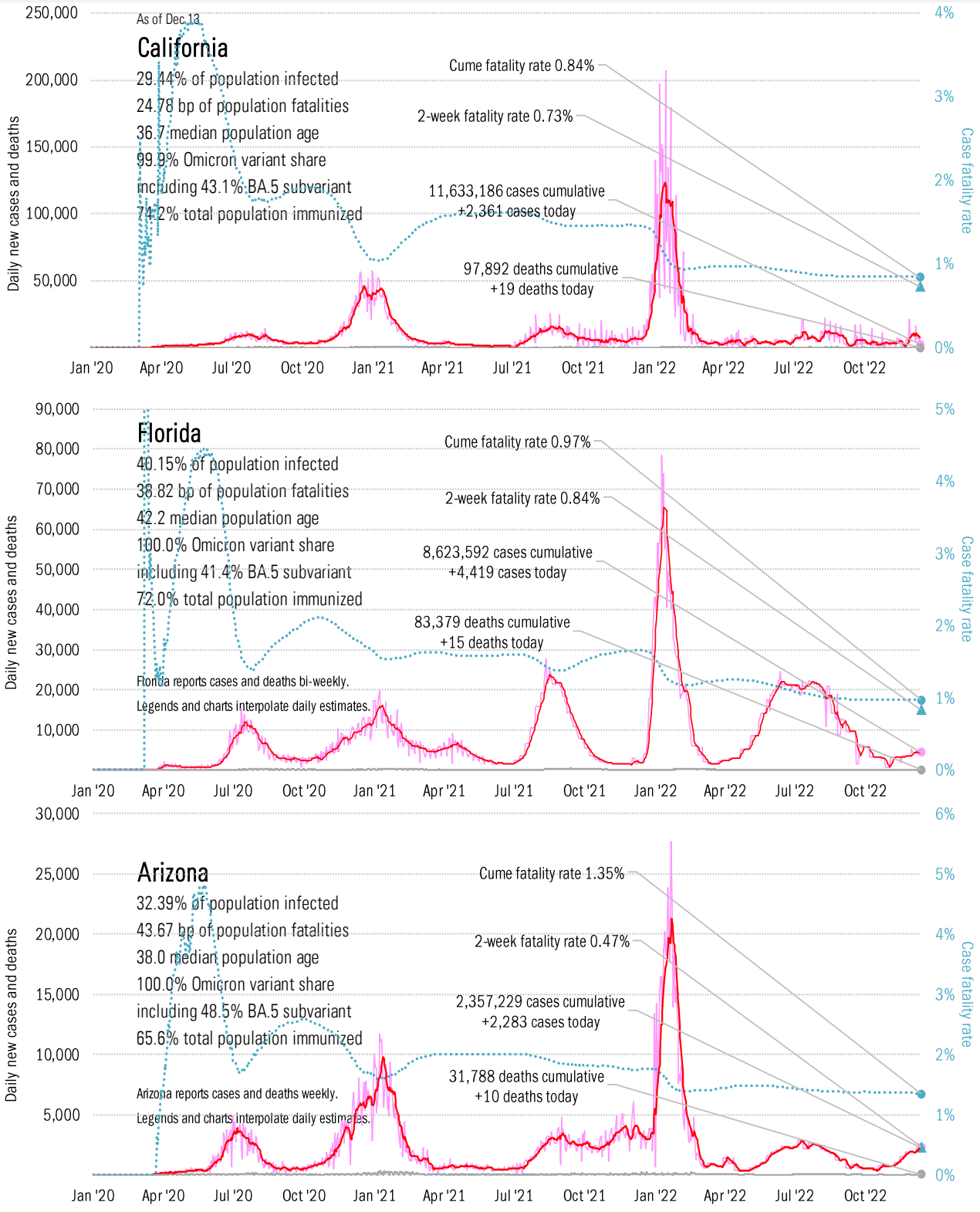
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

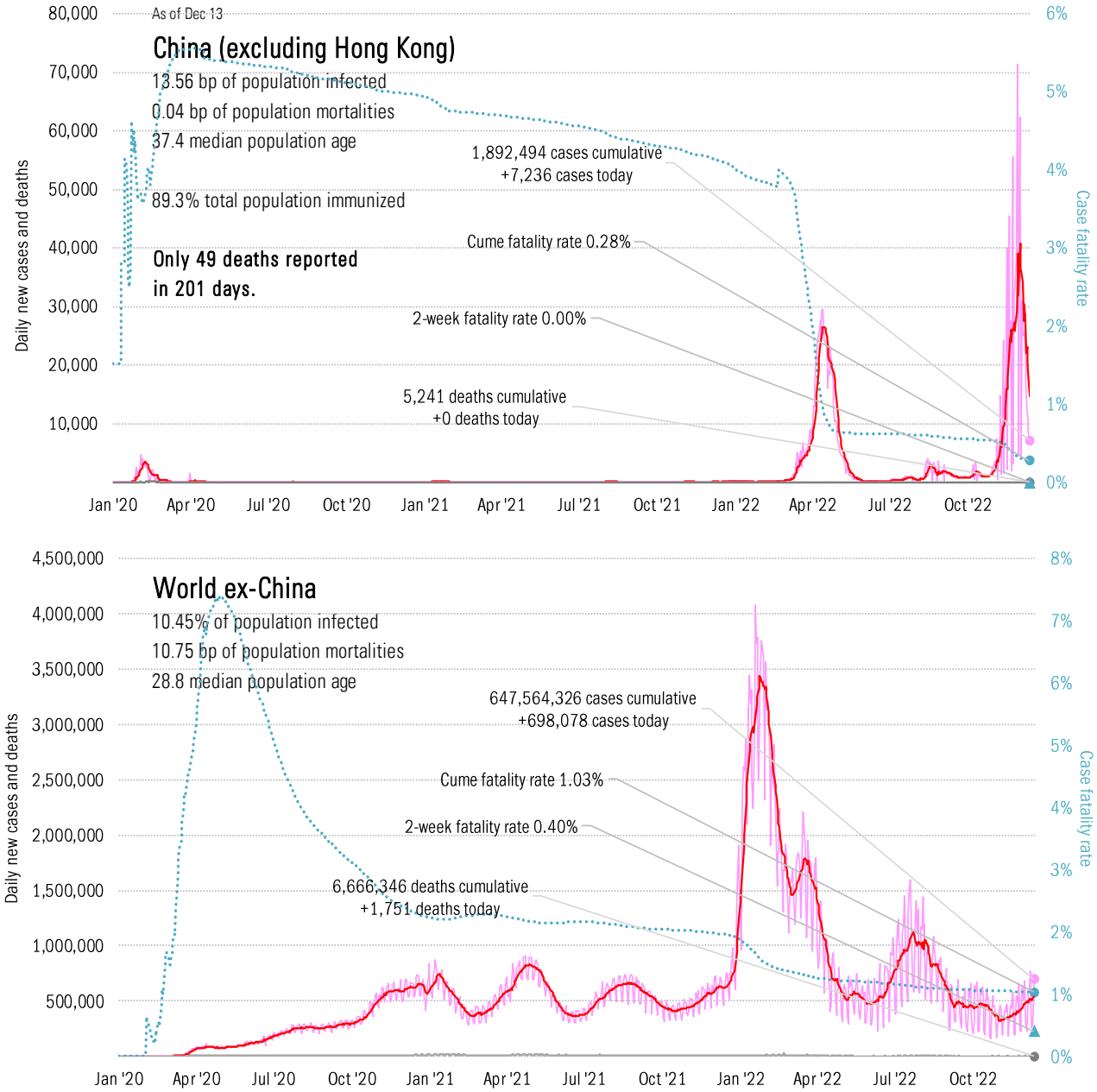
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

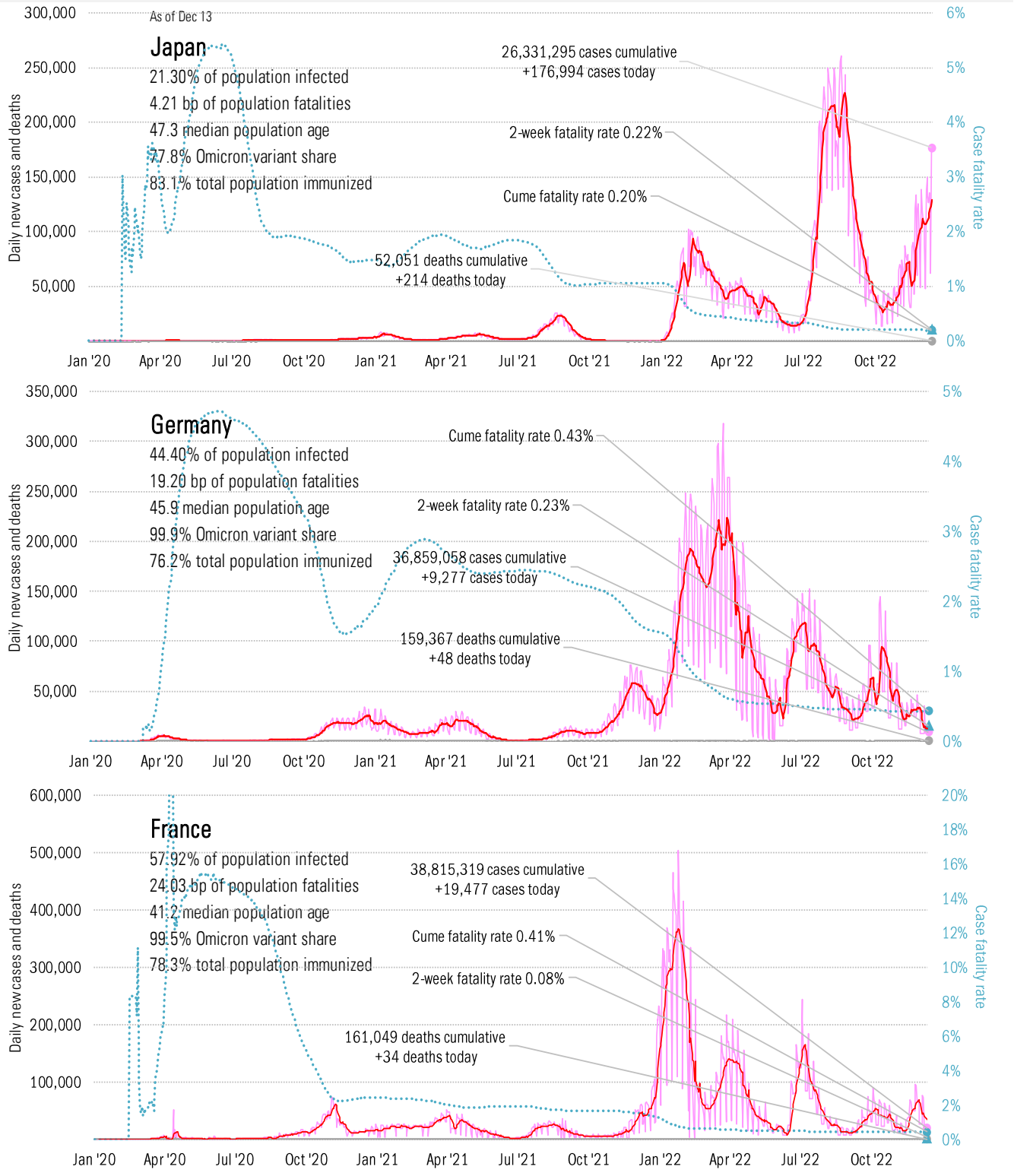
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

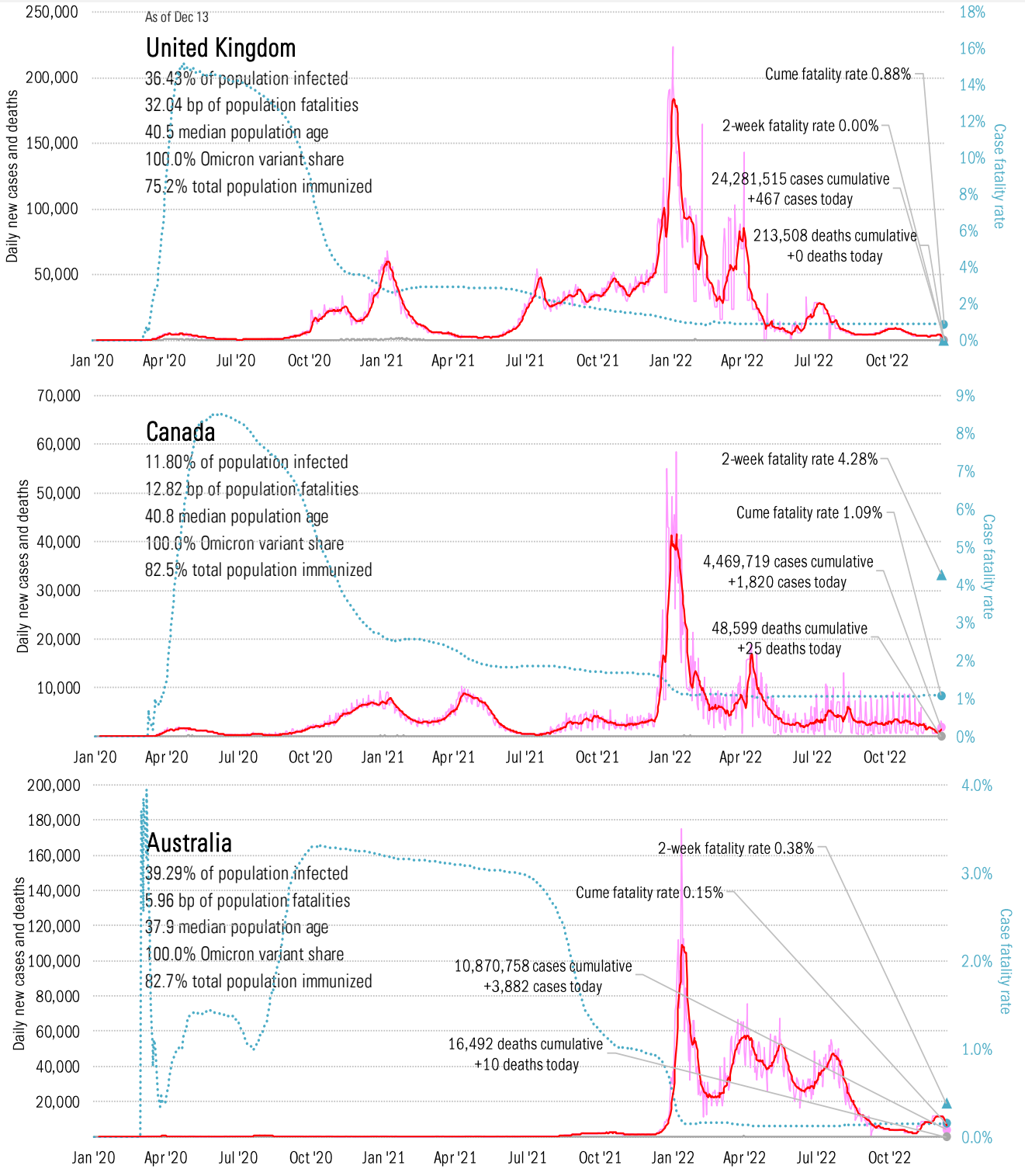
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

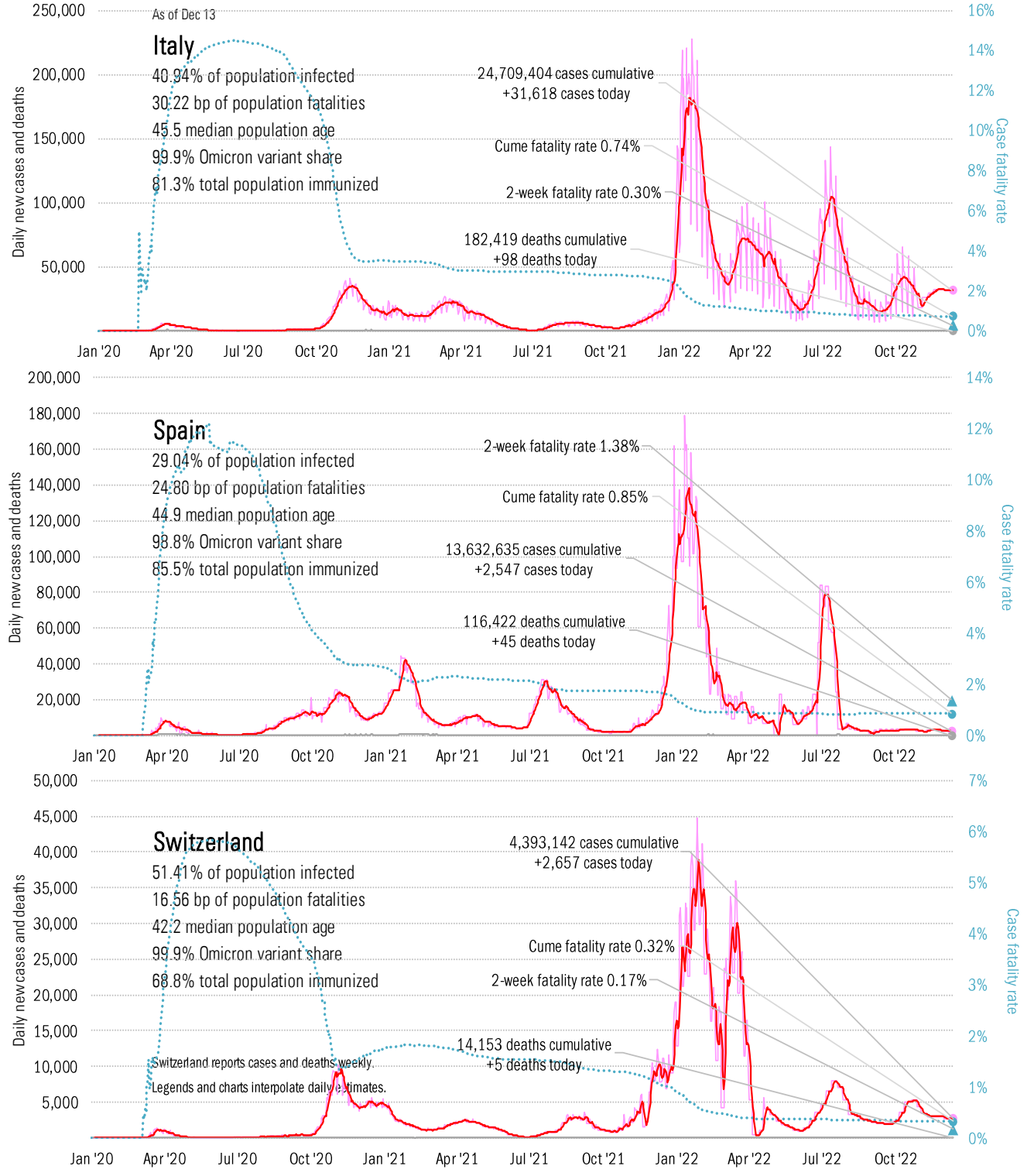
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

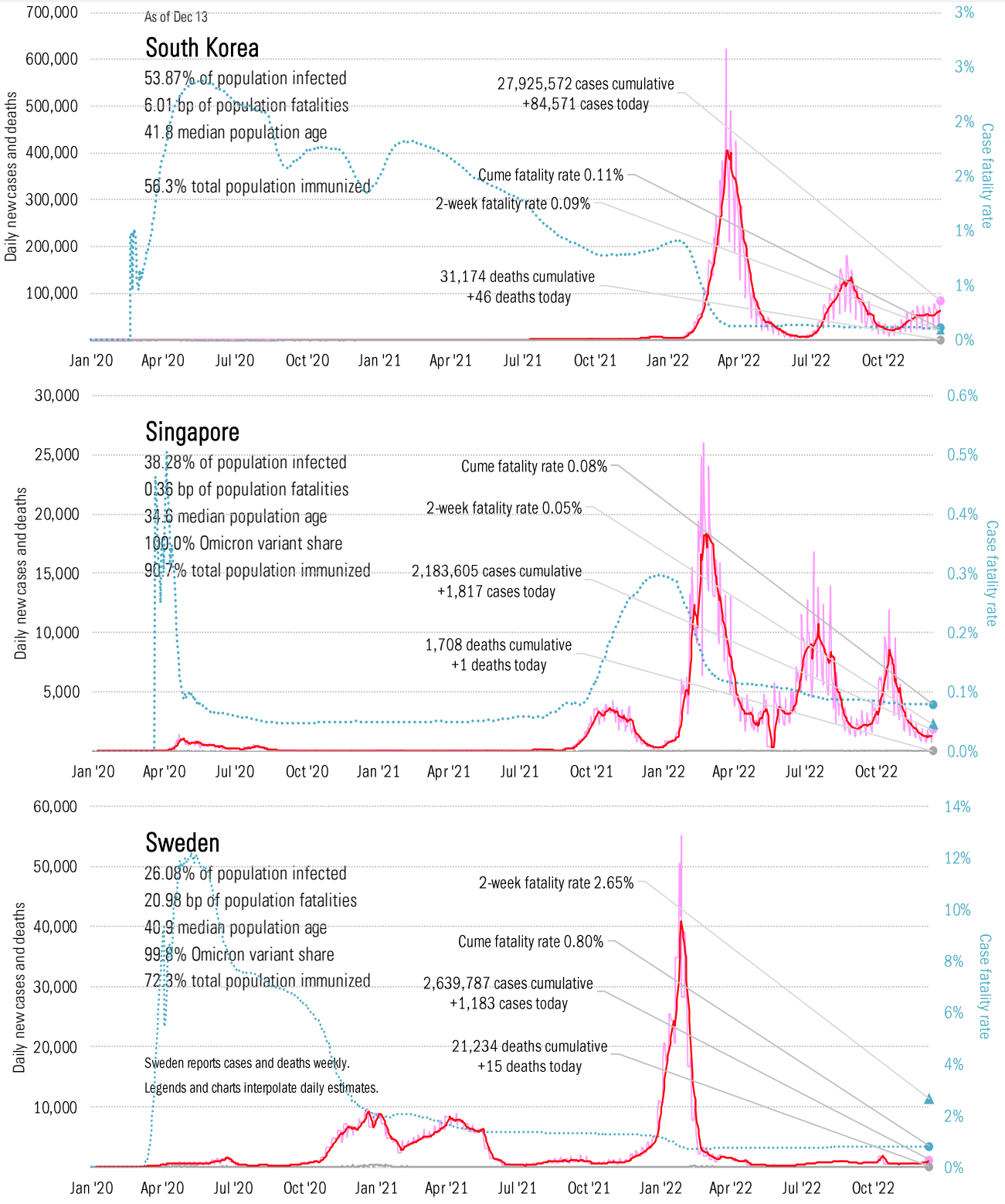
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

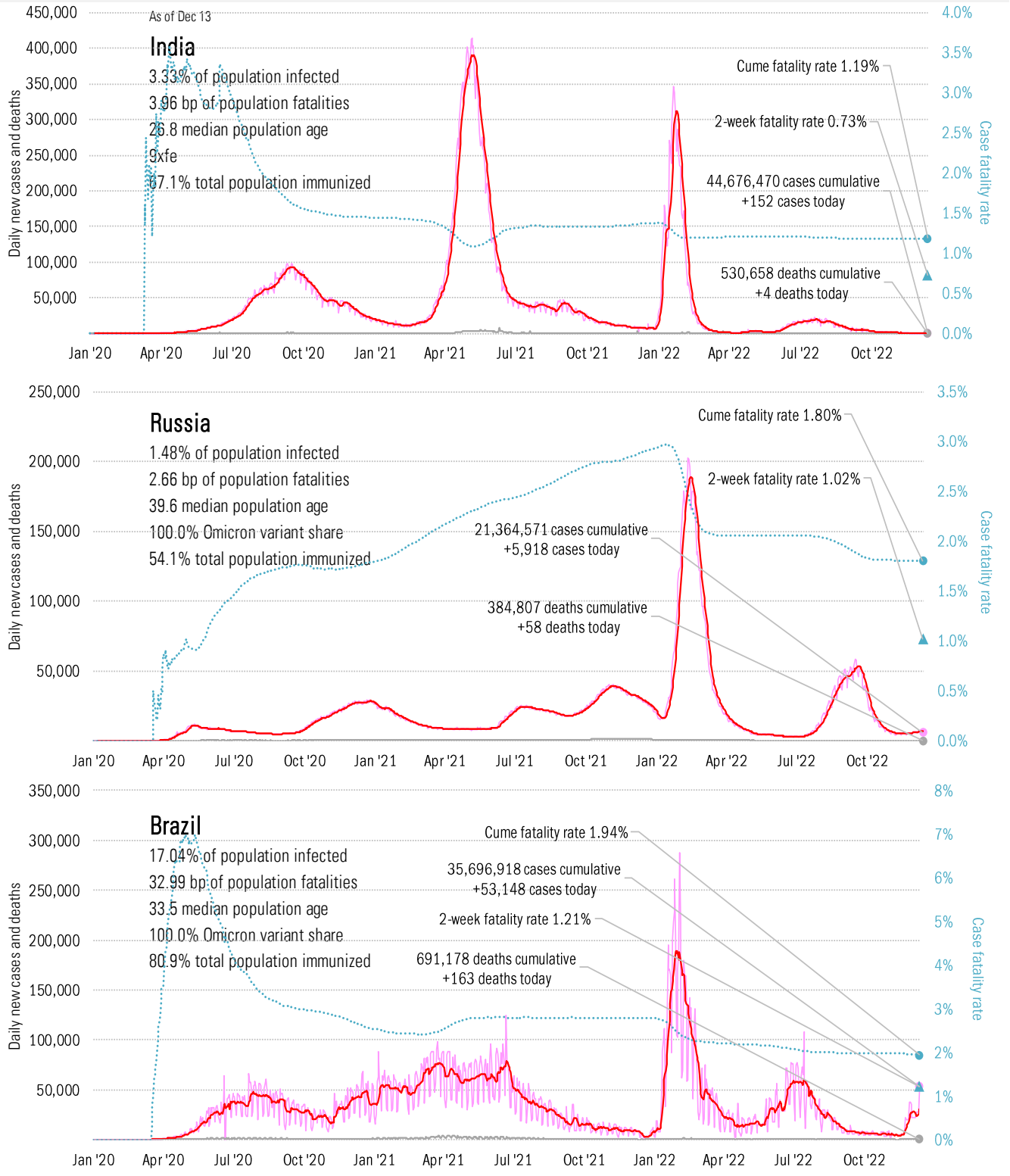
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

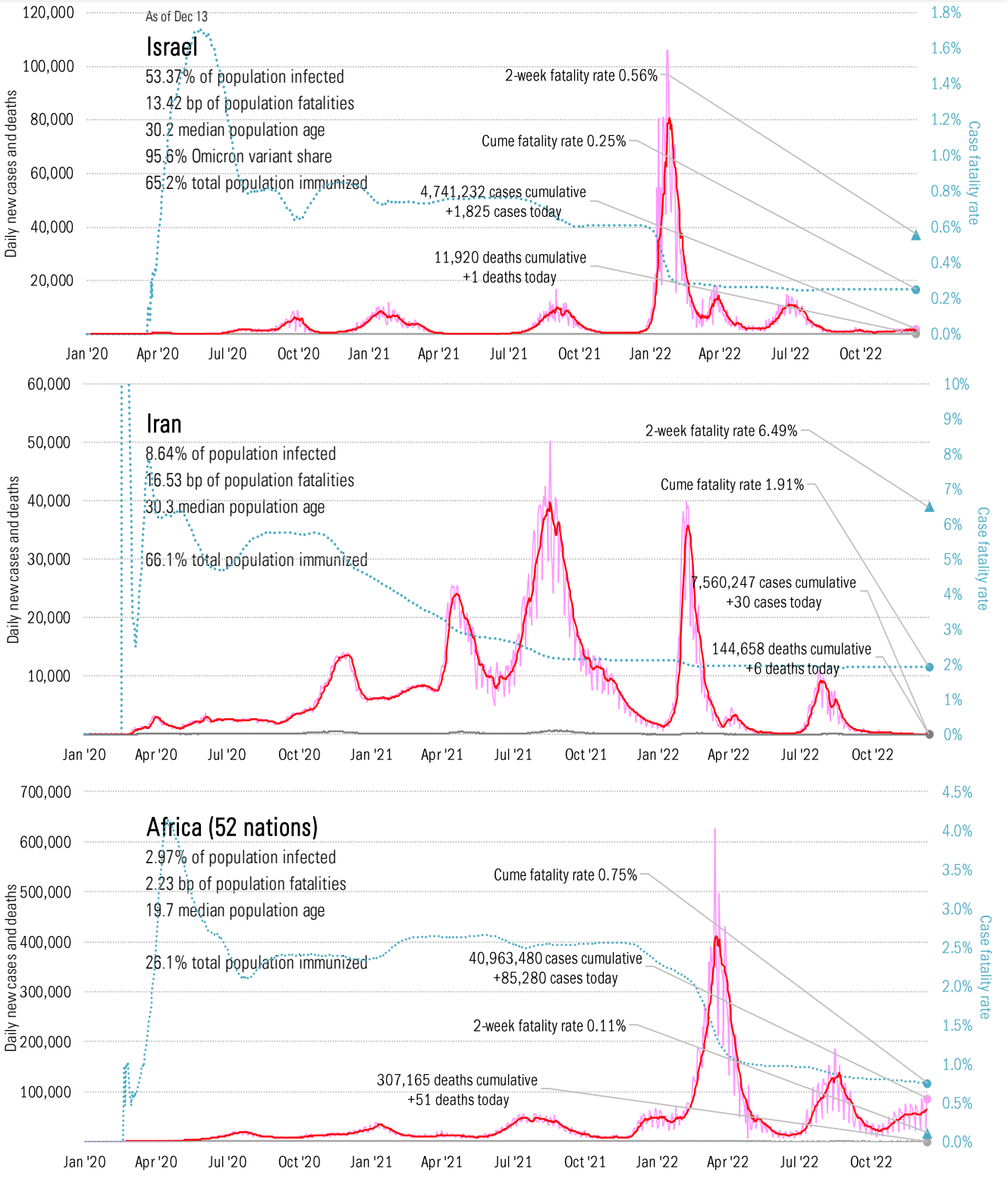
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

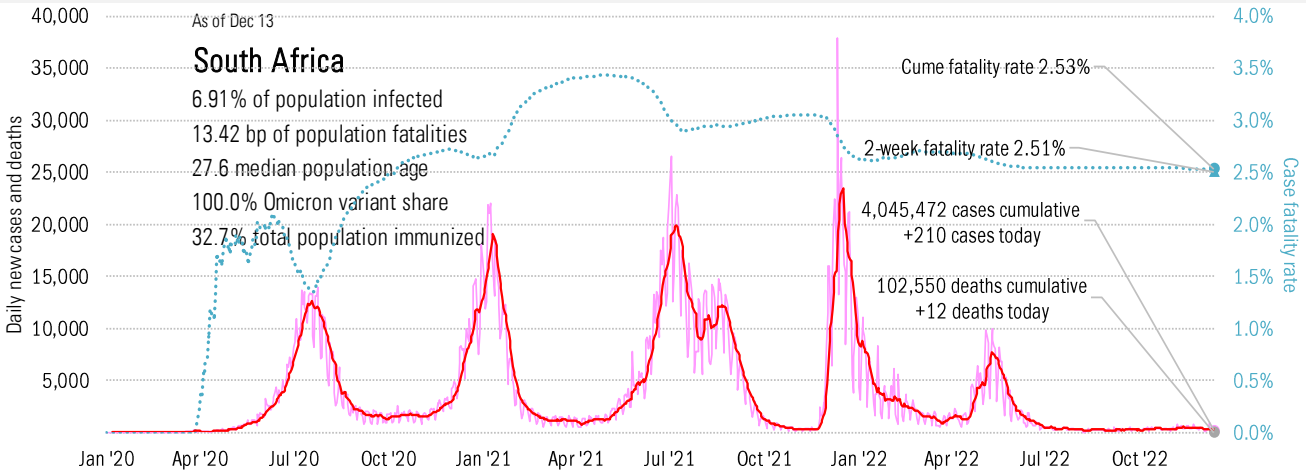
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, Trend Macro calculations