Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

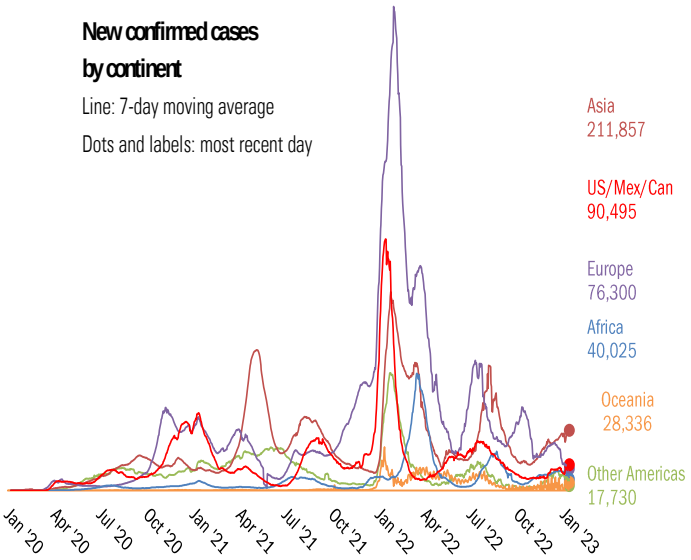
Friday, January 13, 2023

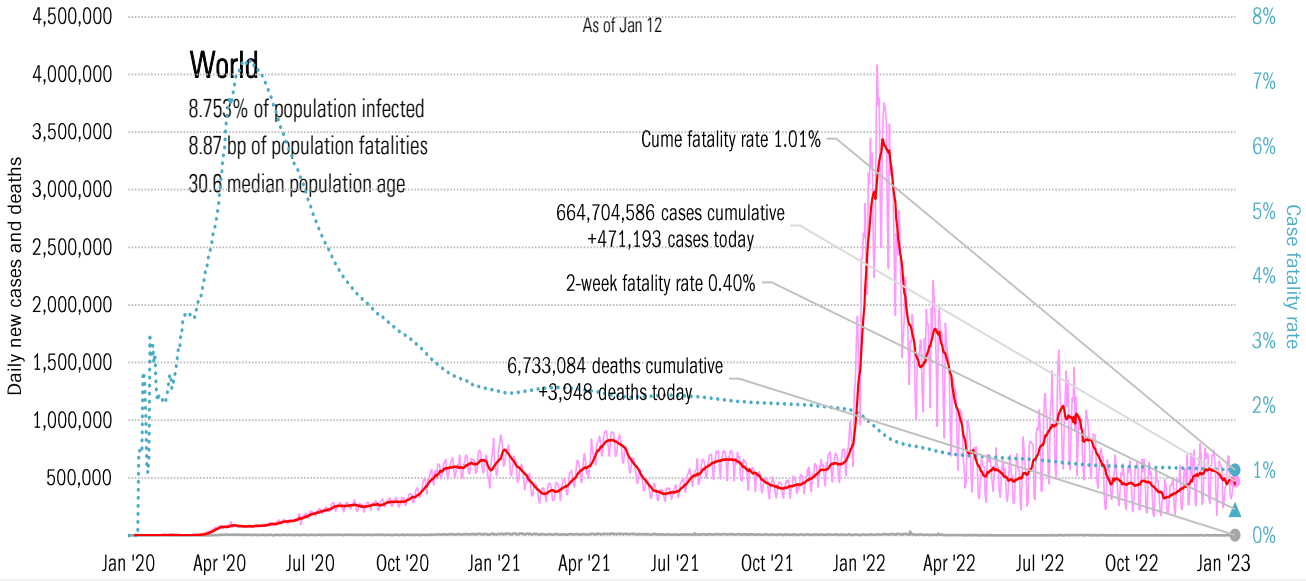
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	185,472	United States	598
United States	52,752	Japan	489
Korea, South	39,726	Australia	270
Australia	28,243	Germany	200
Taiwan*	22,919	Finland	168
Italy	19,425	Canada	154
Brazil	19,070	Brazil	148
Mexico	13,412	United Kingdom	130
Germany	12,956	Italy	111
China	7,181	Belgium	83
	401,156		2,351





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

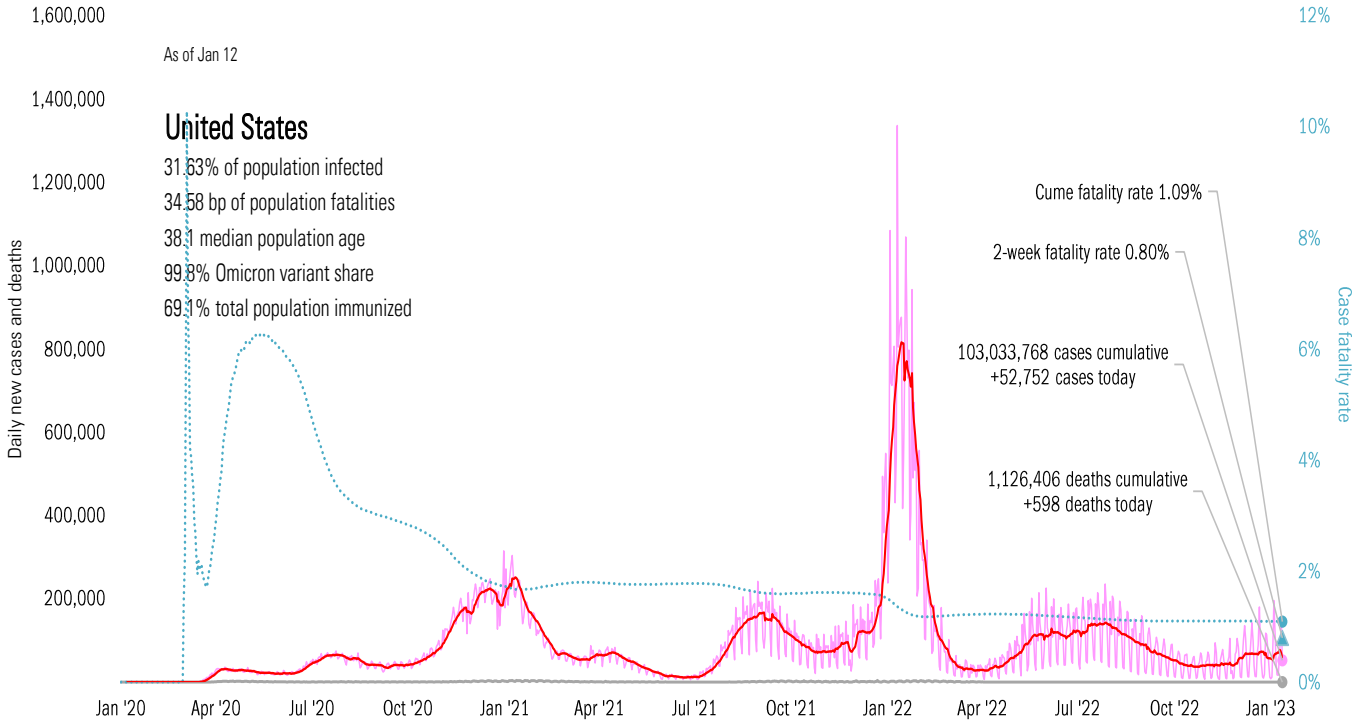
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
FL	7,887	CA	70	TX	562	CA	11,910,247	CA	99,136	TX	574,958	RI	91%	DE	132%
NY	5,806	NY	51	NJ	260	TX	8,300,824	TX	92,096	CA	549,685	NH	88%	TX	91%
NC	3,232	IL	45	MS	70	FL	7,393,712	FL	84,176	FL	519,227	MA	88%	NH	90%
NJ	3,124	PA	33	MT	14	NY	6,641,295	NY	75,699	NY	341,389	WA	87%	NC	88%
KY	3,042	AZ	27	IA	44	IL	3,981,275	PA	49,263	OH	238,455	DE	86%	AL	88%
VA	2,561	TX	27	LA	97	PA	3,447,091	GA	41,648	GA	236,752	MO	86%	MA	87%
PA	1,973	MI	24	WY	8	NC	3,382,420	OH	41,139	PA	223,131	MD	85%	MS	87%
SC	1,881	MA	23	ND	10	OH	3,331,651	MI	41,001	IL	206,886	MN	85%	DC	87%
GA	1,836	FL	23	NH	25	GA	3,011,842	IL	40,747	MI	176,805	NC	85%	RI	85%
MA	1,599	SC	22	SD	4	MI	3,008,317	NJ	35,652	NJ	156,179	AK	84%	MO	84%
	32,941		346		1,094		54,408,674		600,557		3,223,467				
All states	52,752		598		5,546	All states	103,033,768		1,126,406		5,847,480	All states	70%		67%
Top ten	62%		58%		20%	Top ten	54%		55%		55%	Median	80%		79%

Some states not reporting

Five most improved US states

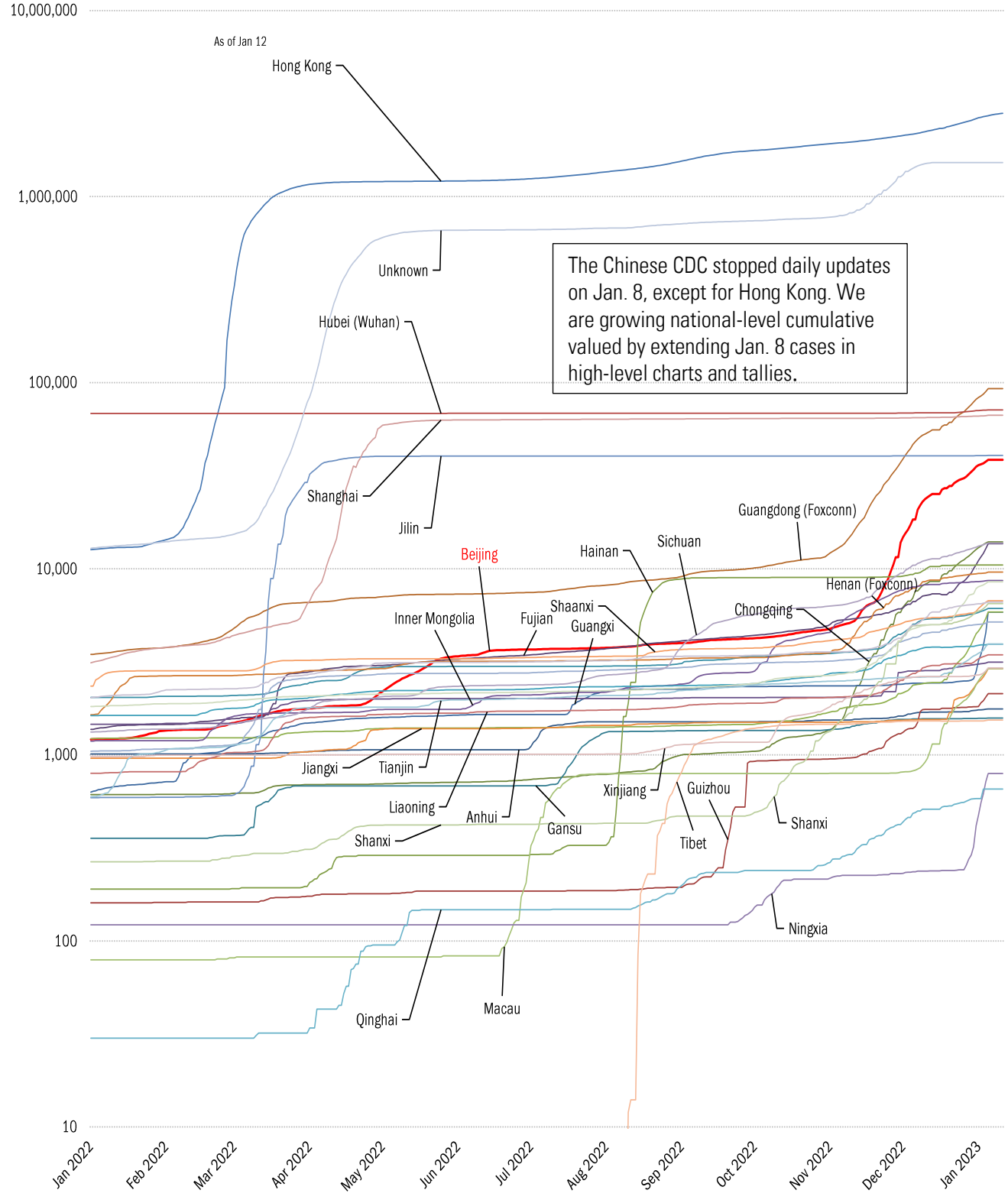
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TX	-29,522	TX	-118	FL	-73
FL	-3,649	NY	-31	MD	-64
KS	-2,038	NC	-30	CT	-60
CA	-1,460	WI	-25	SC	-56
MI	-1,346	FL	-16	NC	-51



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

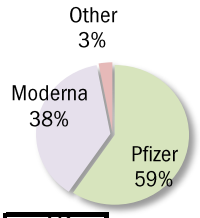
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	683,142,150				+0.210 million
				Of which boosters:	+0.197 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	276,962,615	83%	236,176,717	71%	+0.016 million
Age 12 to 17	18,423,808	73%	15,775,755	62%	+0.001 million
Age 18 to 64	184,183,382	91%	156,609,051	77%	+0.009 million
Age 65 and over	60,964,171	100%	53,416,192	97%	+0.001 million

Immunity	Full	Partial
US	69.1%	80.9%
UK	75.2%	79.7%
France	78.4%	80.6%
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	82.6%	90.2%
Japan	83.2%	84.4%
Africa	27.6%	33.6%
India	67.1%	72.5%
Brazil	81.4%	87.7%
China	89.4%	91.7%

Global data differs due to sources, timing



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

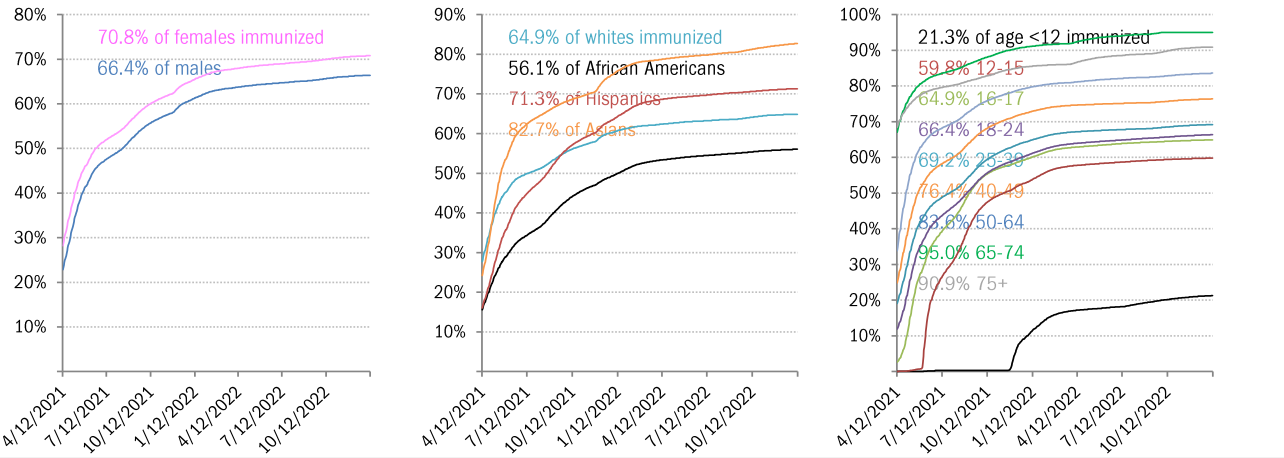
"Immunity" = two doses

Best / Middle / Worst

As of Jan 13

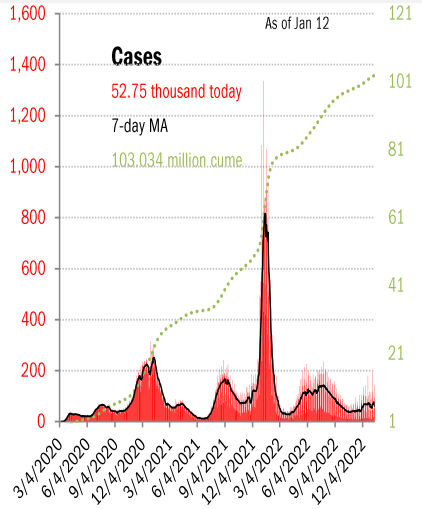
					WI					ME
					75.0%					95.0%
					68.0%					83.1%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.0%	63.8%	68.1%	69.2%	78.6%	79.0%	69.3%		94.2%	95.0%	87.5%
75.8%	56.3%	59.0%	58.5%	72.0%	71.1%	62.2%		80.6%	85.4%	71.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.4%	77.4%	60.8%	83.5%	70.5%	64.2%	65.6%	90.3%	94.4%	95.0%	
72.2%	63.6%	53.0%	66.0%	64.2%	57.6%	60.3%	73.1%	78.9%	84.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.4%	75.0%	83.4%	73.2%	69.2%	68.7%	67.4%	90.7%	91.5%	95.0%	95.0%
74.5%	66.5%	73.3%	66.1%	58.9%	59.5%	59.6%	76.4%	79.5%	82.9%	87.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.2%	94.1%	76.0%	69.7%	64.3%	91.8%	70.8%	95.0%	88.0%	
	65.9%	75.0%	65.1%	56.8%	56.2%	66.9%	59.8%	89.9%	73.1%	
			OK	LA	MS	AL	GA			
			74.4%	62.7%	61.5%	64.9%	68.2%			
			60.3%	54.9%	53.6%	53.1%	57.1%			
HI			TX					FL		PR
91.2%			76.2%					82.3%		90.8%
81.4%			63.1%					69.3%		83.9%

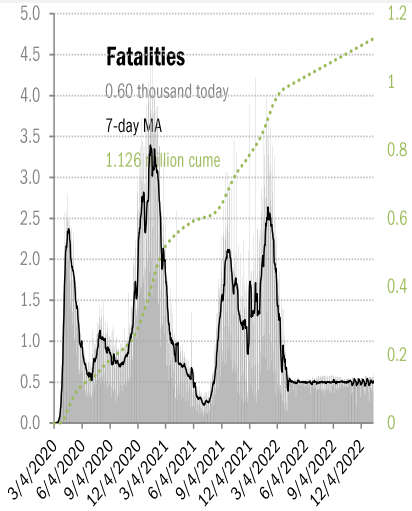
The demographics of US vaccination

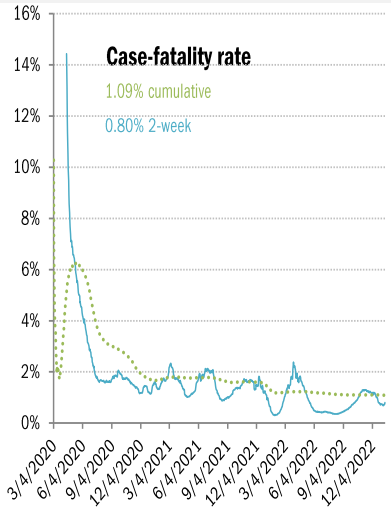


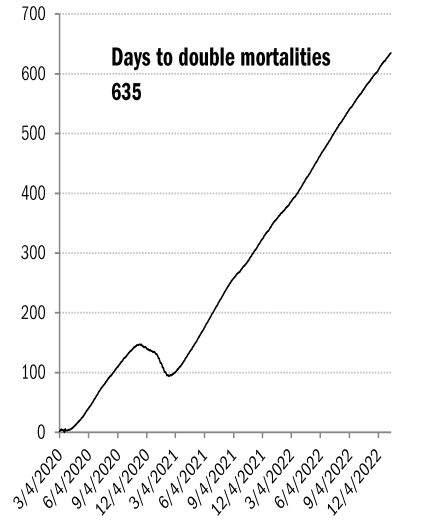
Source: CDC, CDC, Our World in Data, TrendMacro calculations

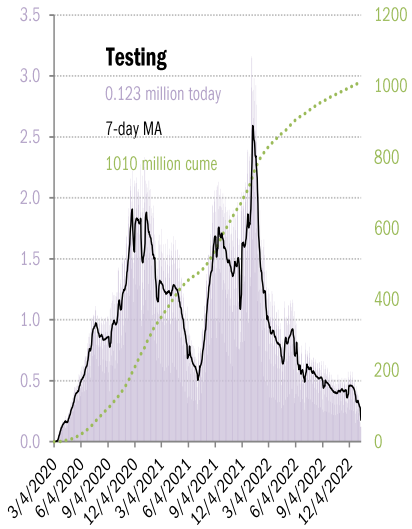
US deep-dive

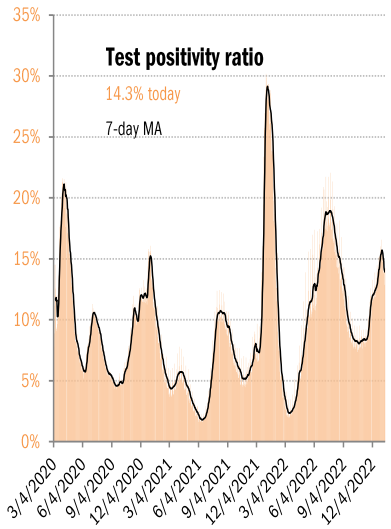


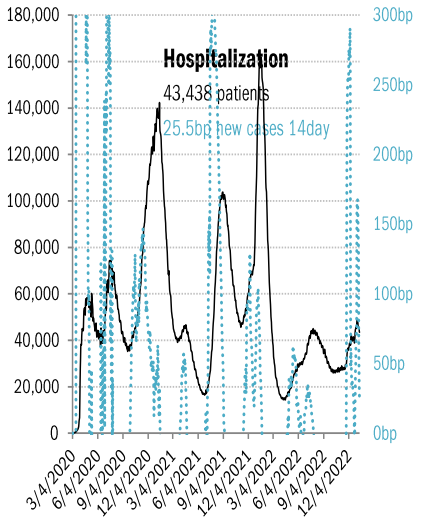


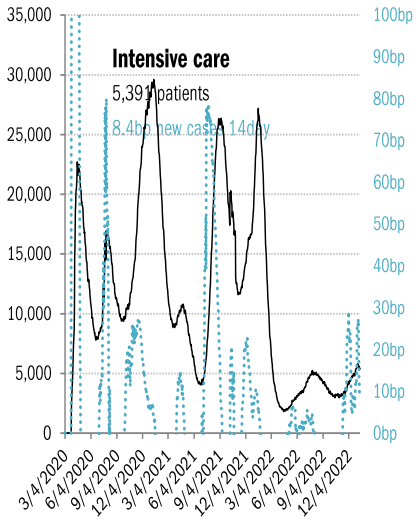


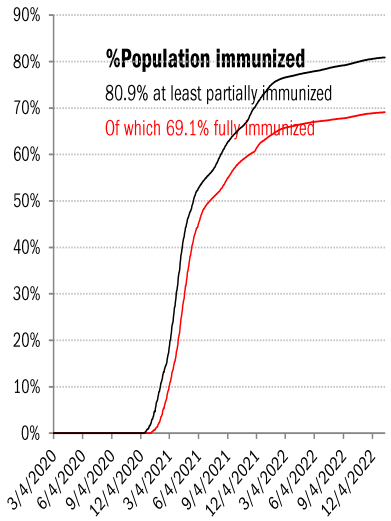












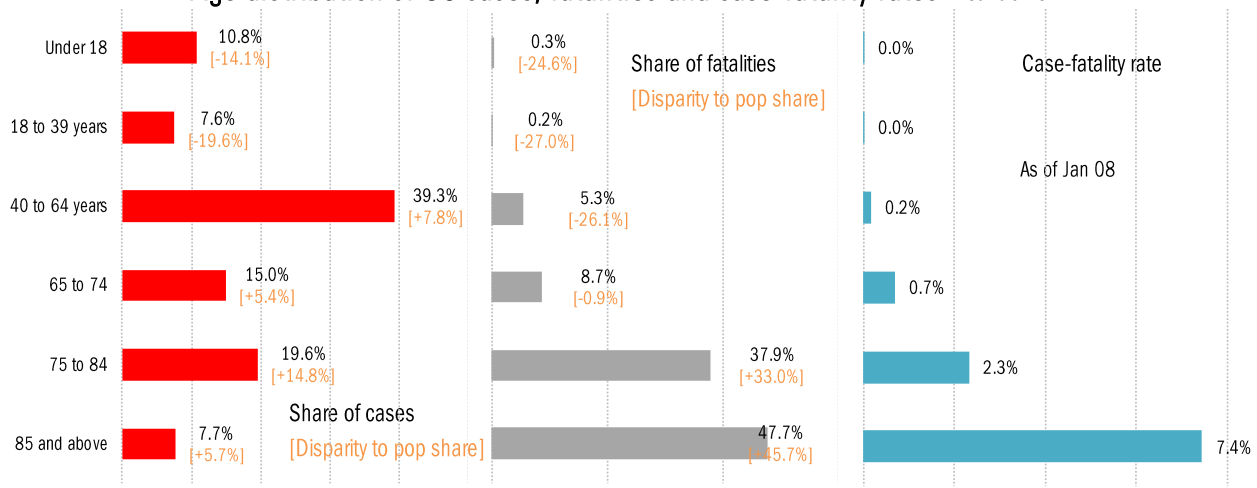
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

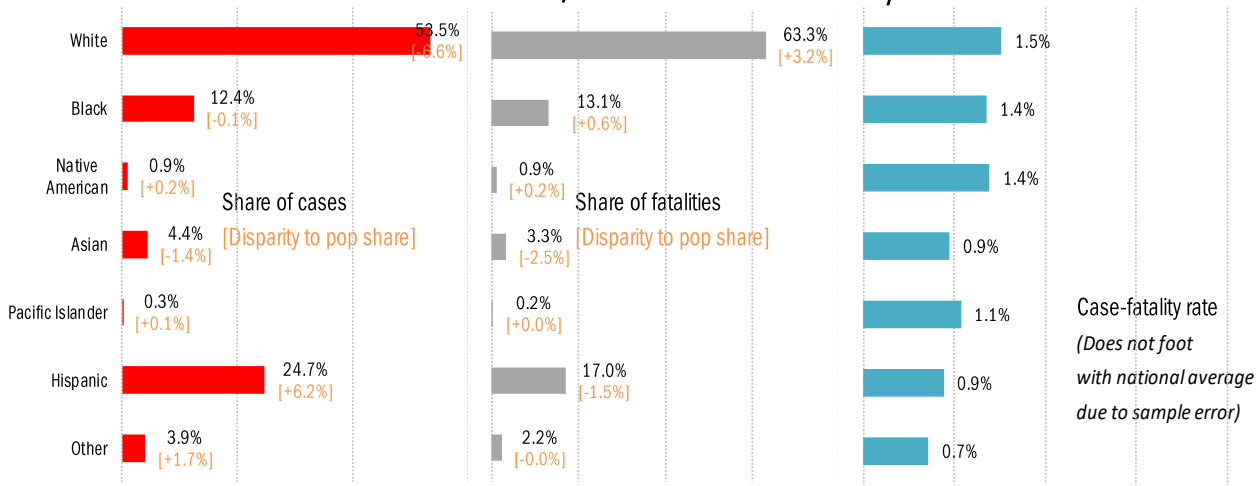
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



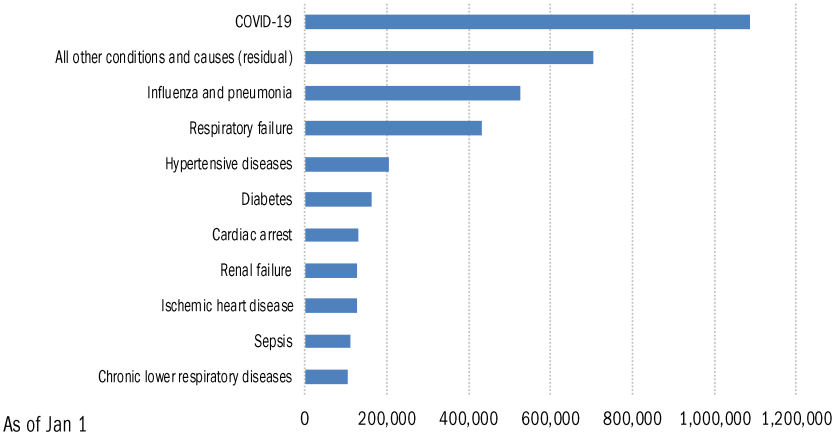
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



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

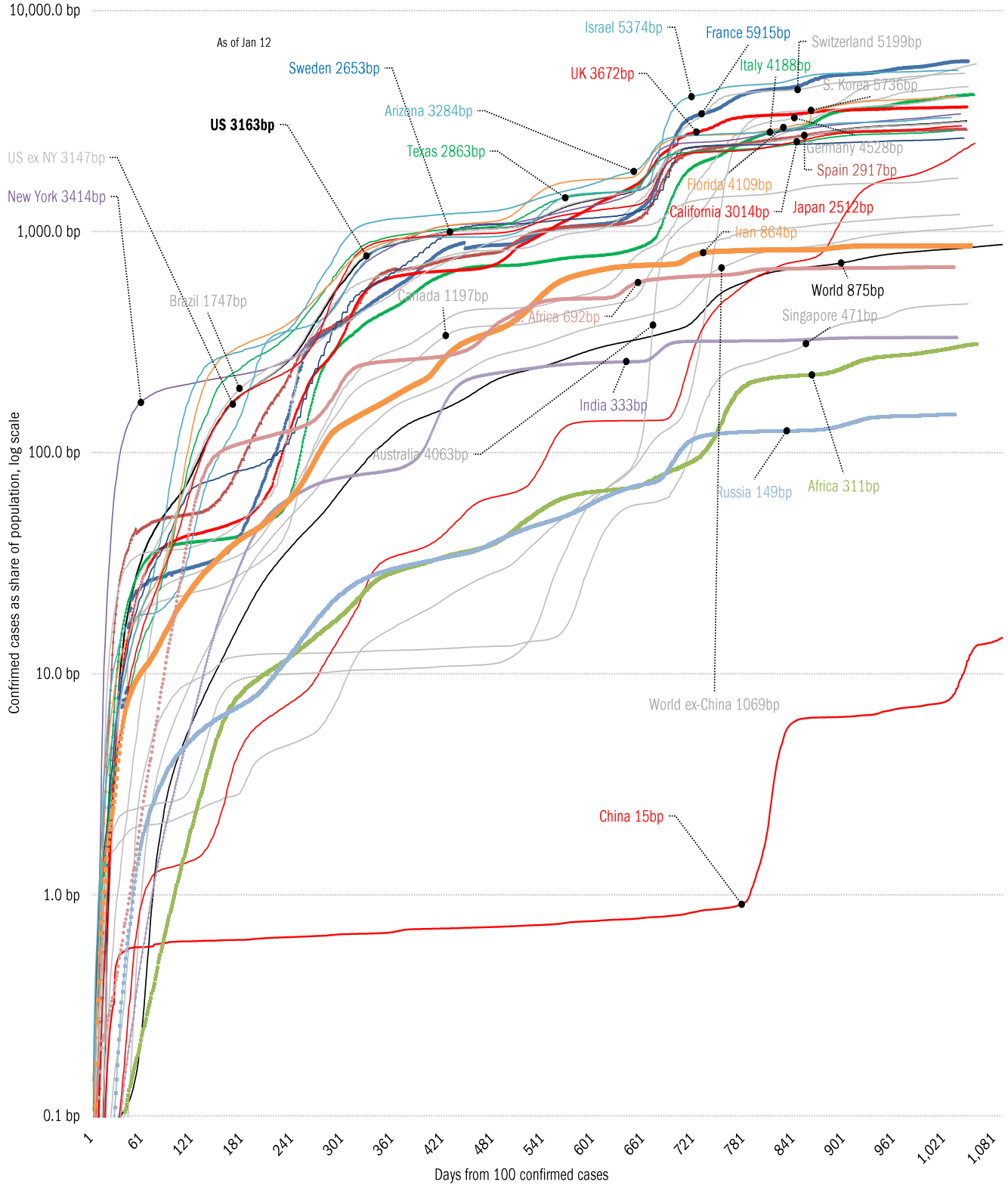
Getting Rid of Remote Work Will Take More Than a Downturn
Sarah Kessler
New York Times
January 7, 2022

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

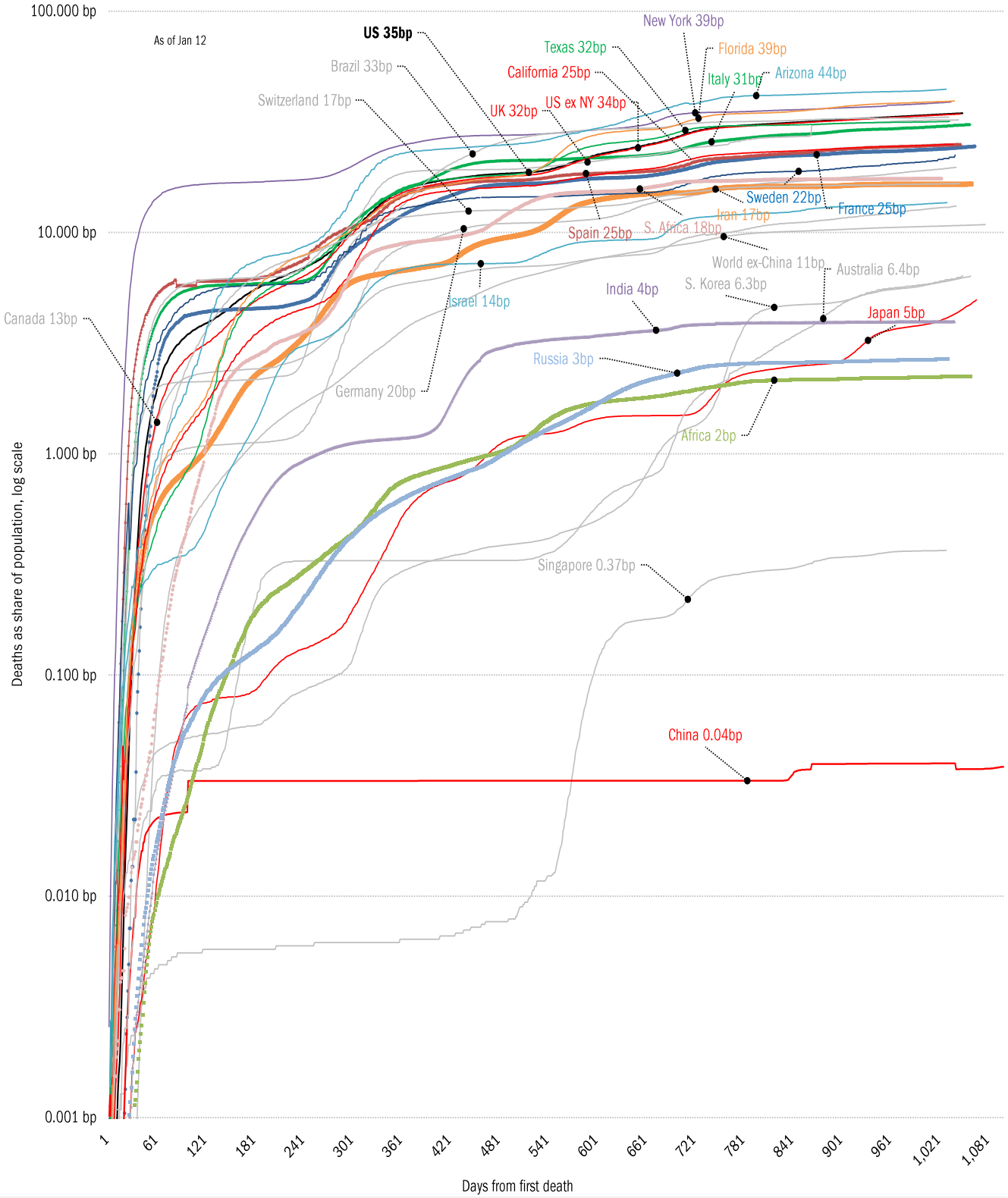
Share of infected population from first day with 100 confirmed cases, log scale



Source: Johns Hopkins, TrendMacro calculations

The global coronavirus mortality accelerometer … tracking the world's fatality curves

Share of population deceased from day of first fatality, log scale

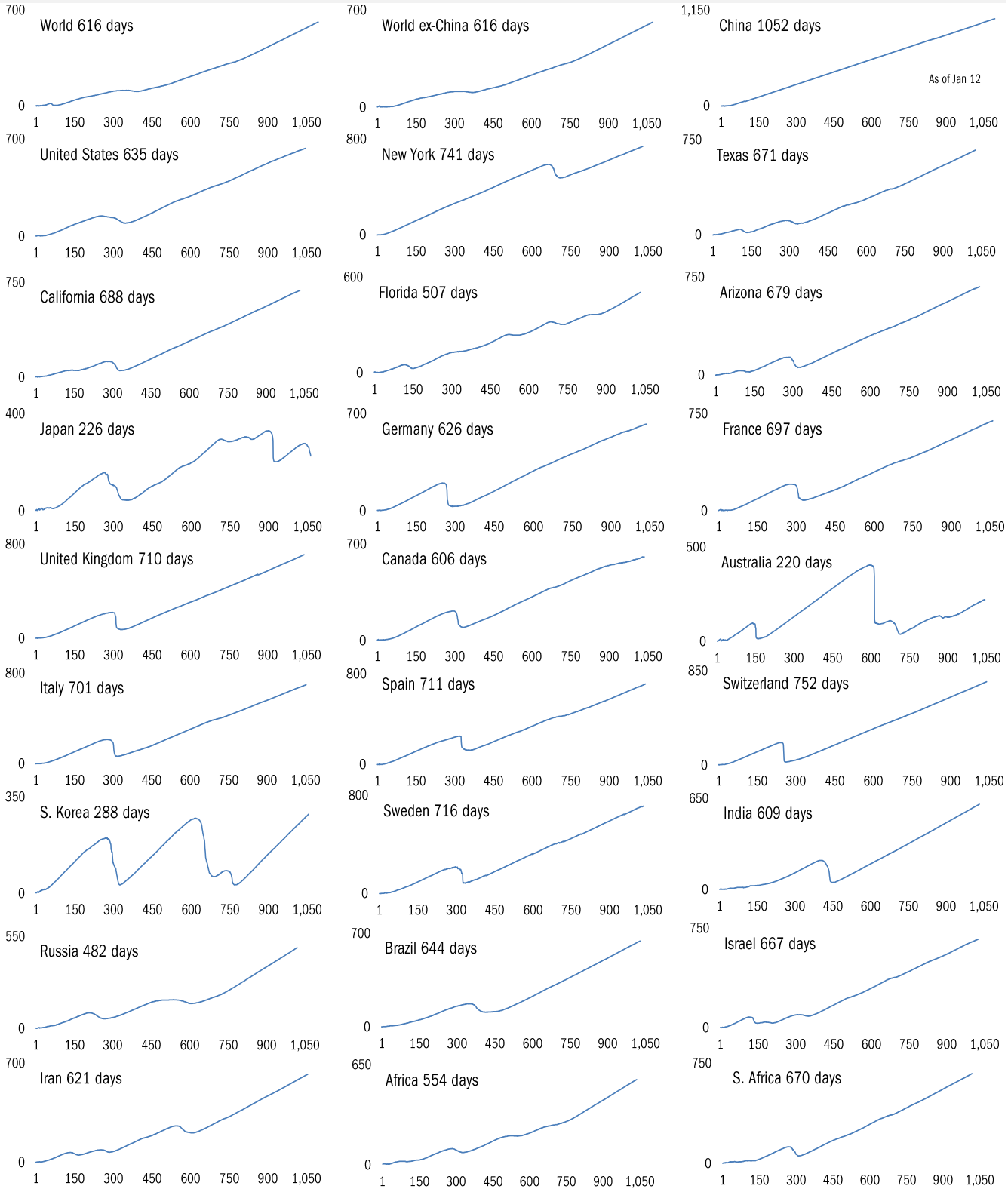


Source: Johns Hopkins, TrendMacro calculations

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

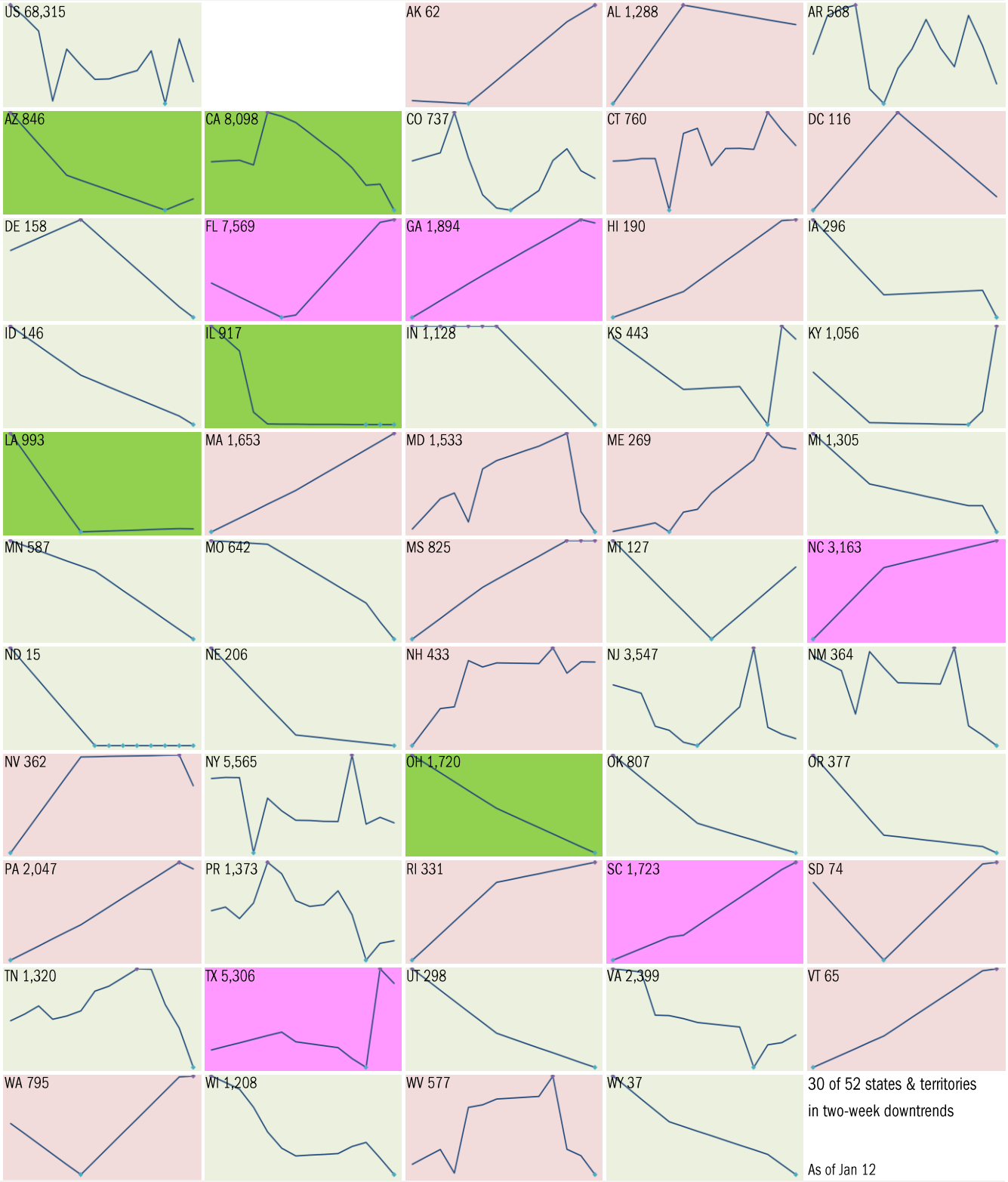


Source: Johns Hopkins, TrendMacro calculations

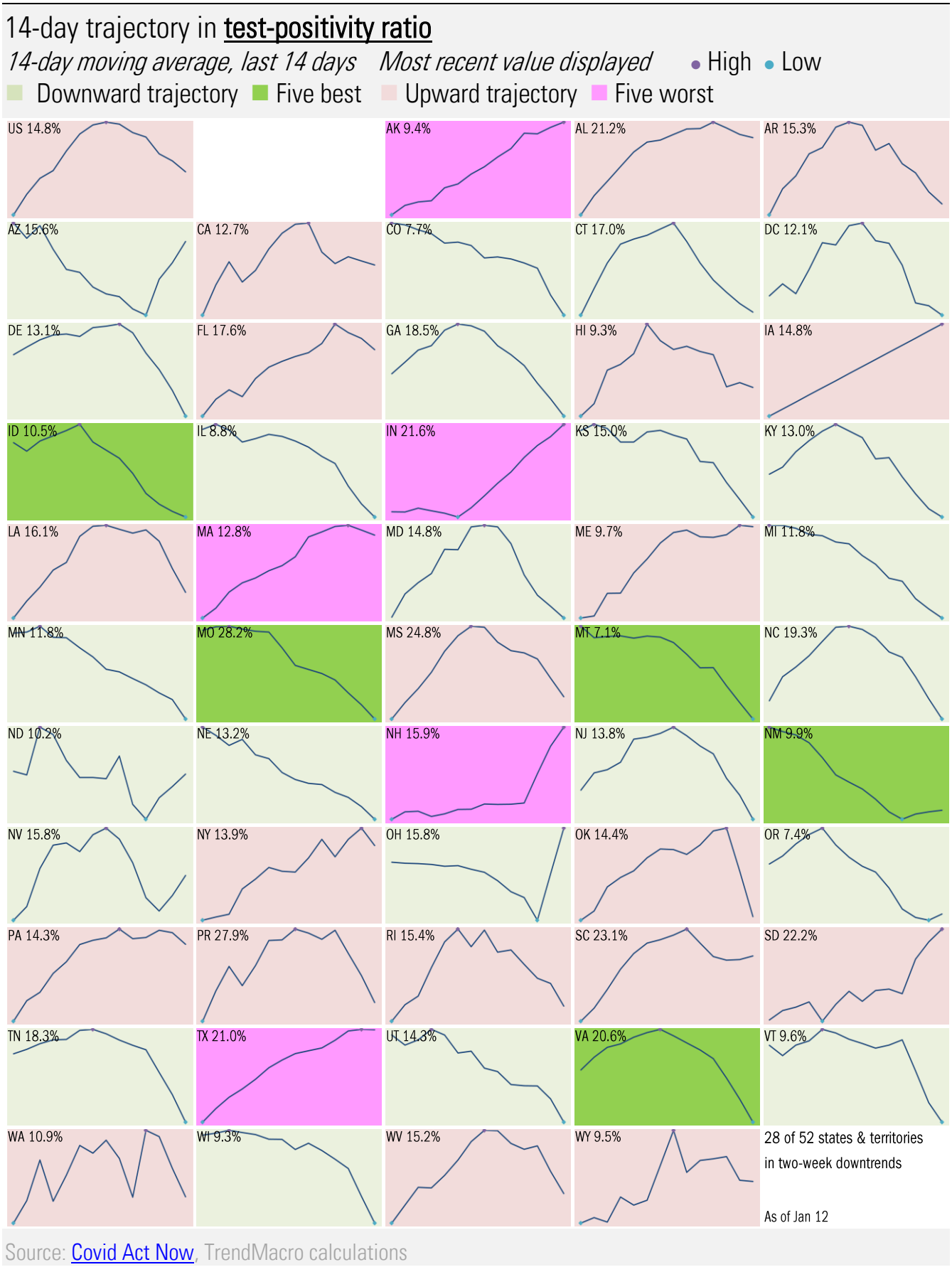
14-day trajectory in **new cases**

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

Downward trajectory | Five best | Upward trajectory | Five worst



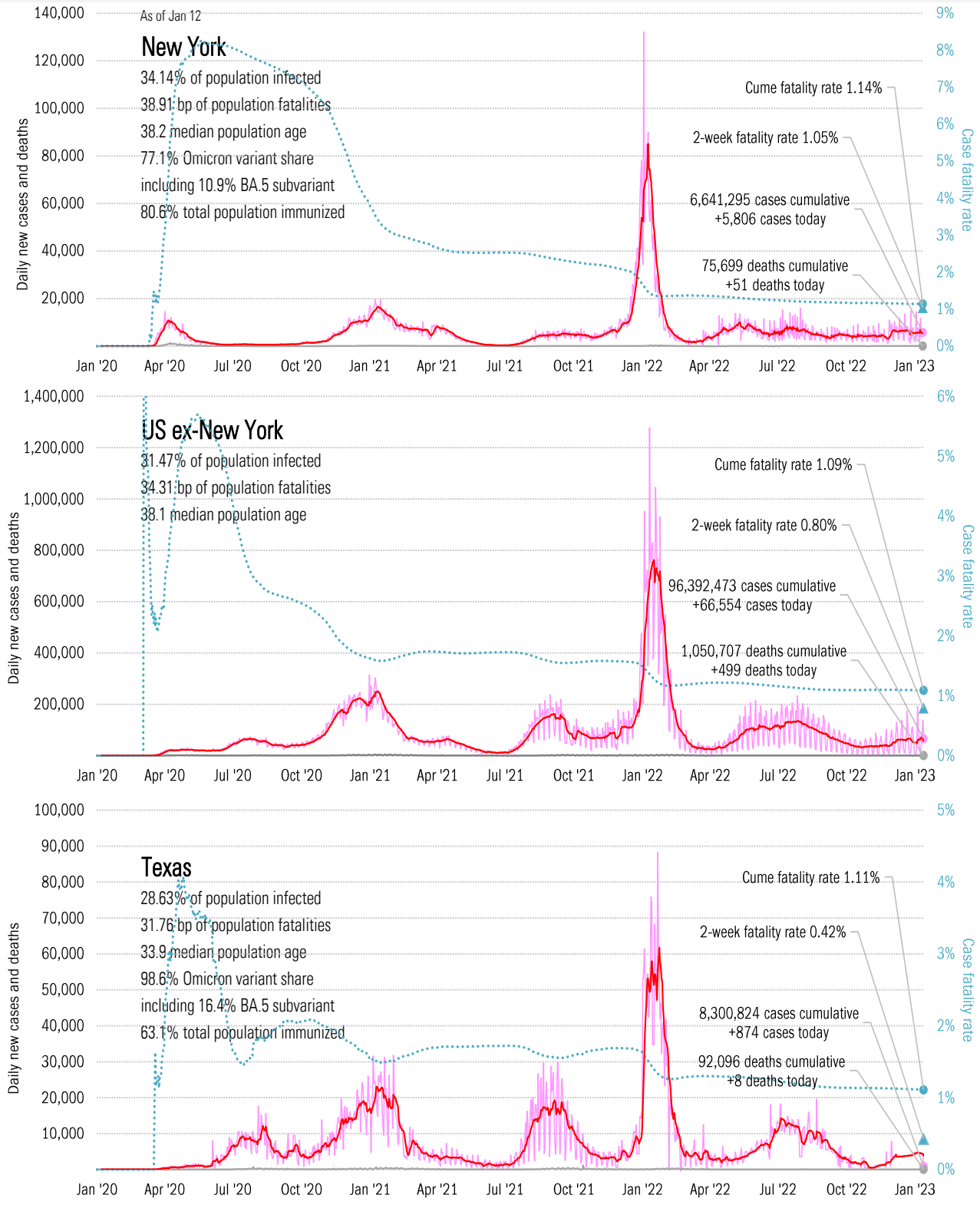
Source: Johns Hopkins, TrendMacro calculations



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

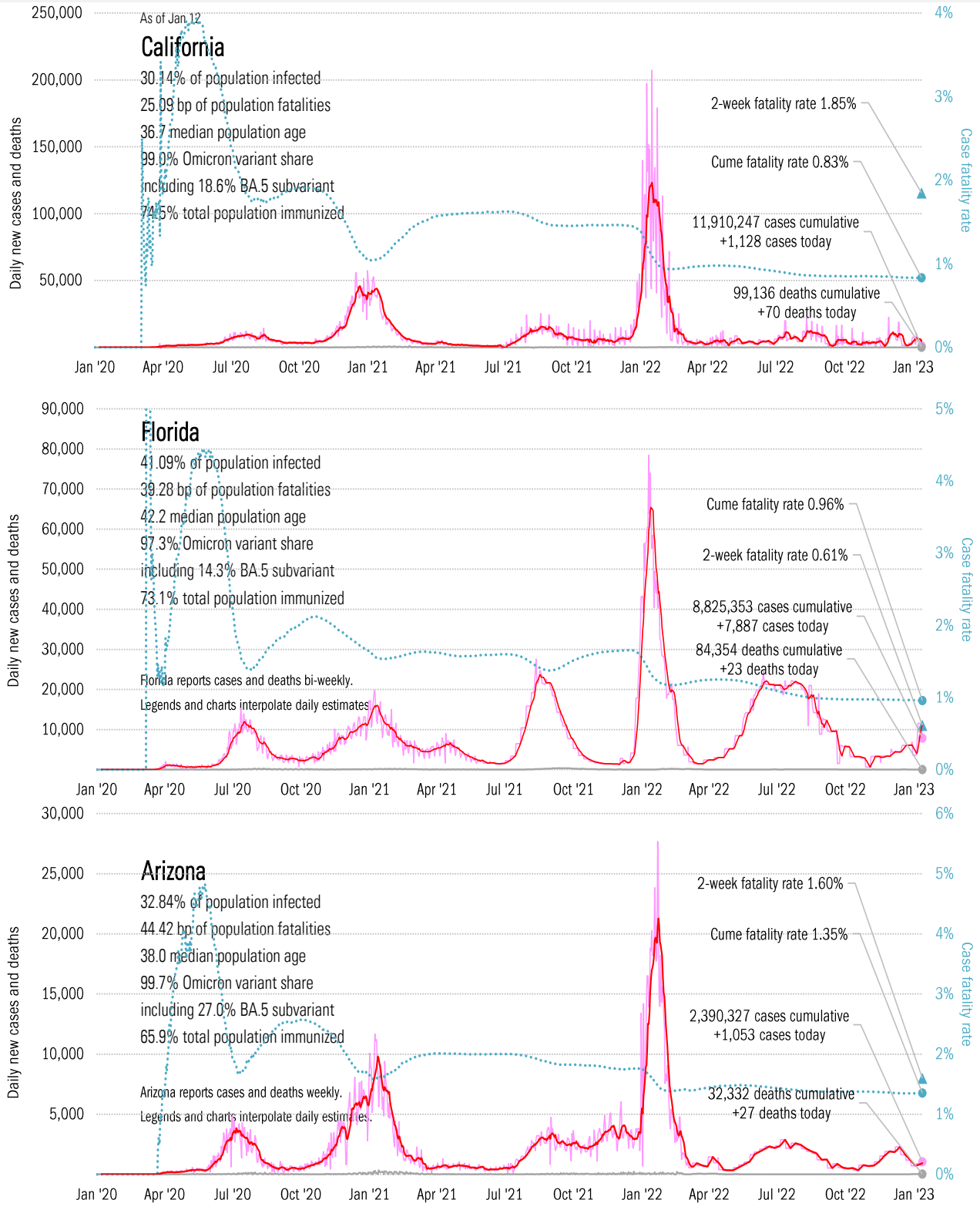
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

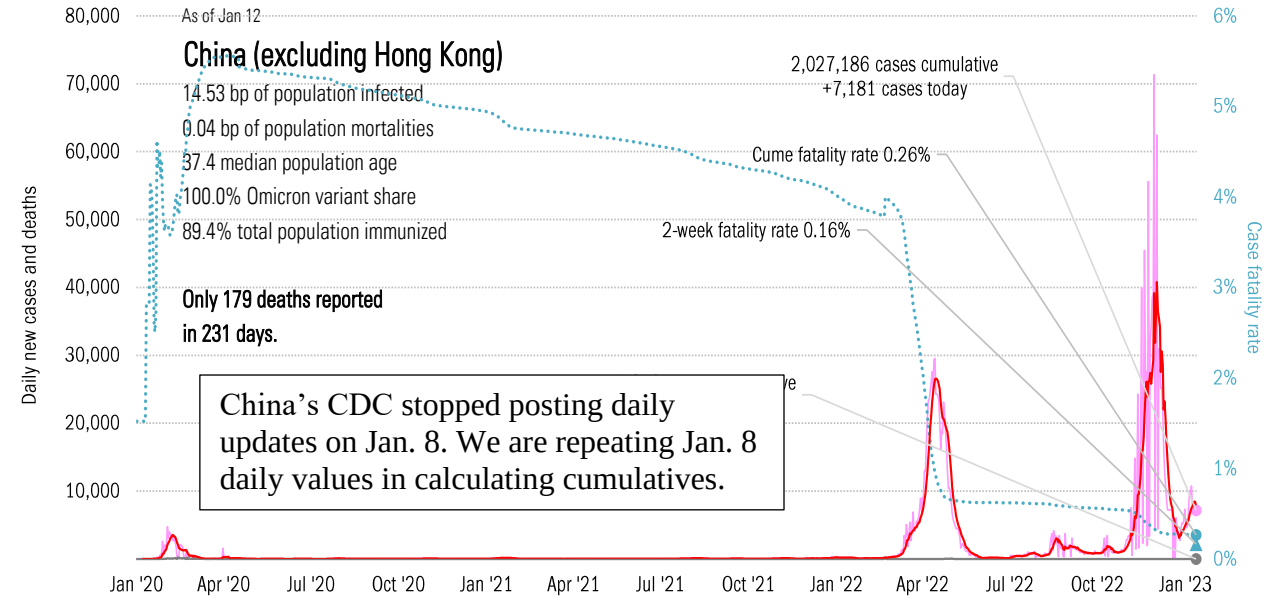
Cases: 7-day average and daily Deaths: Daily

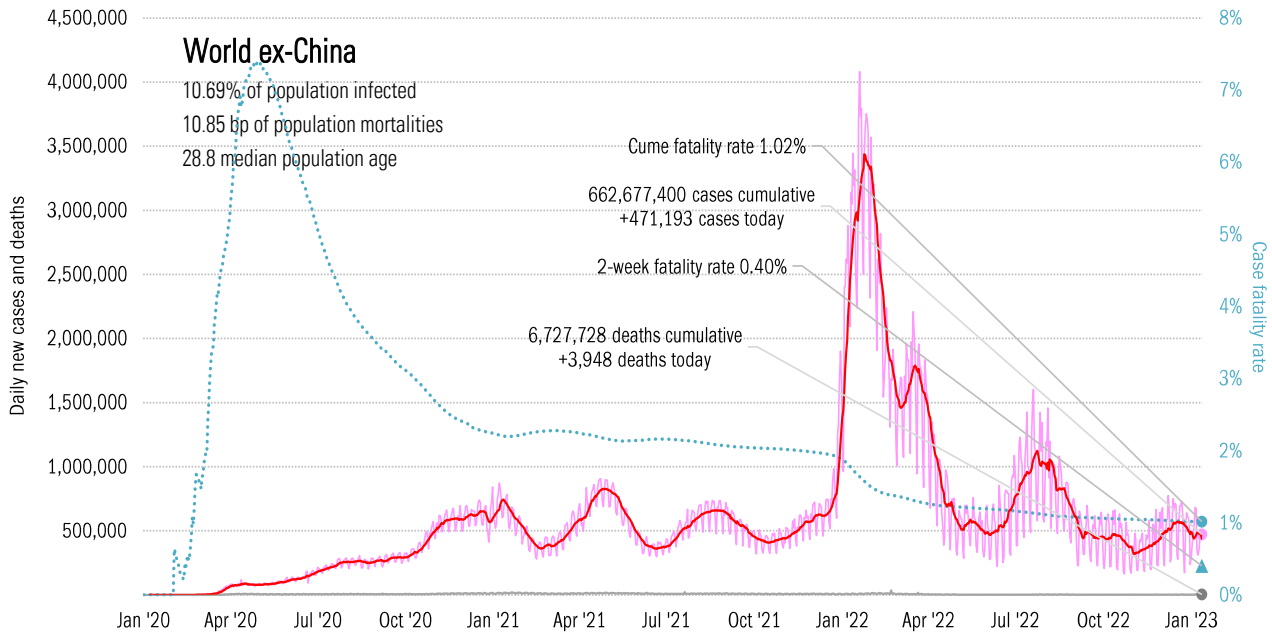


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

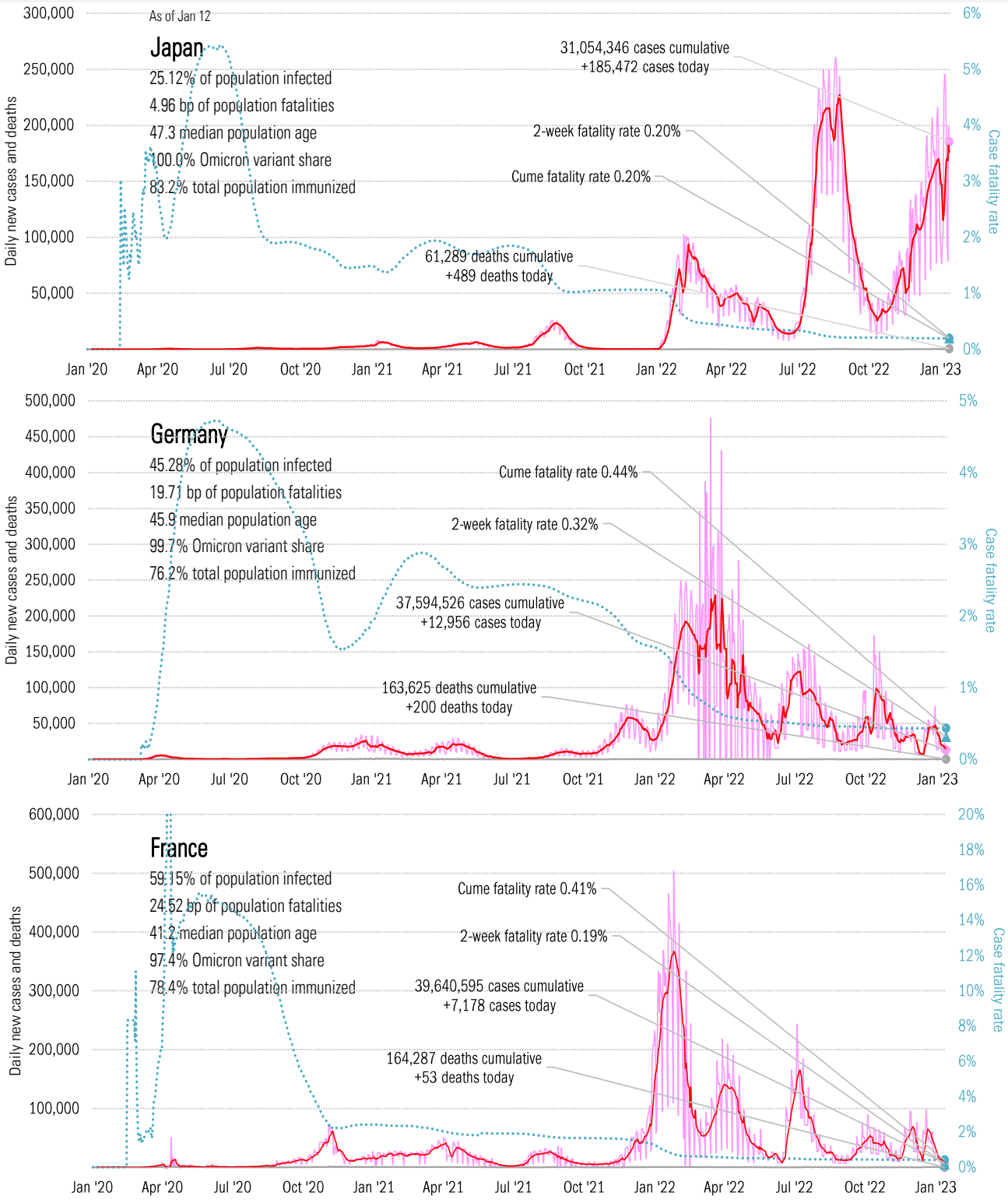




Source: Johns Hopkins, China CDC, TrendMacro calculations

Impact in the largest economies

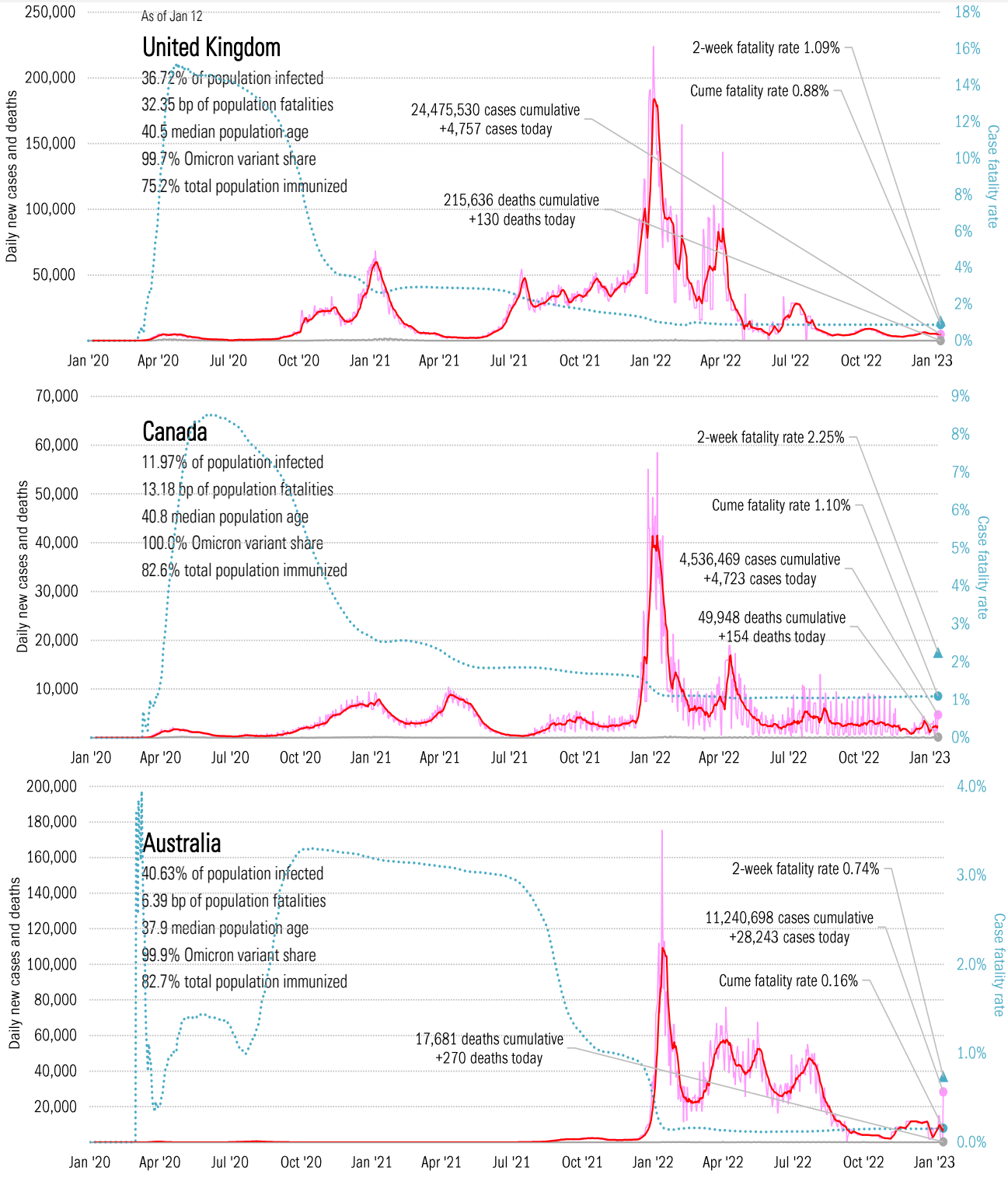
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

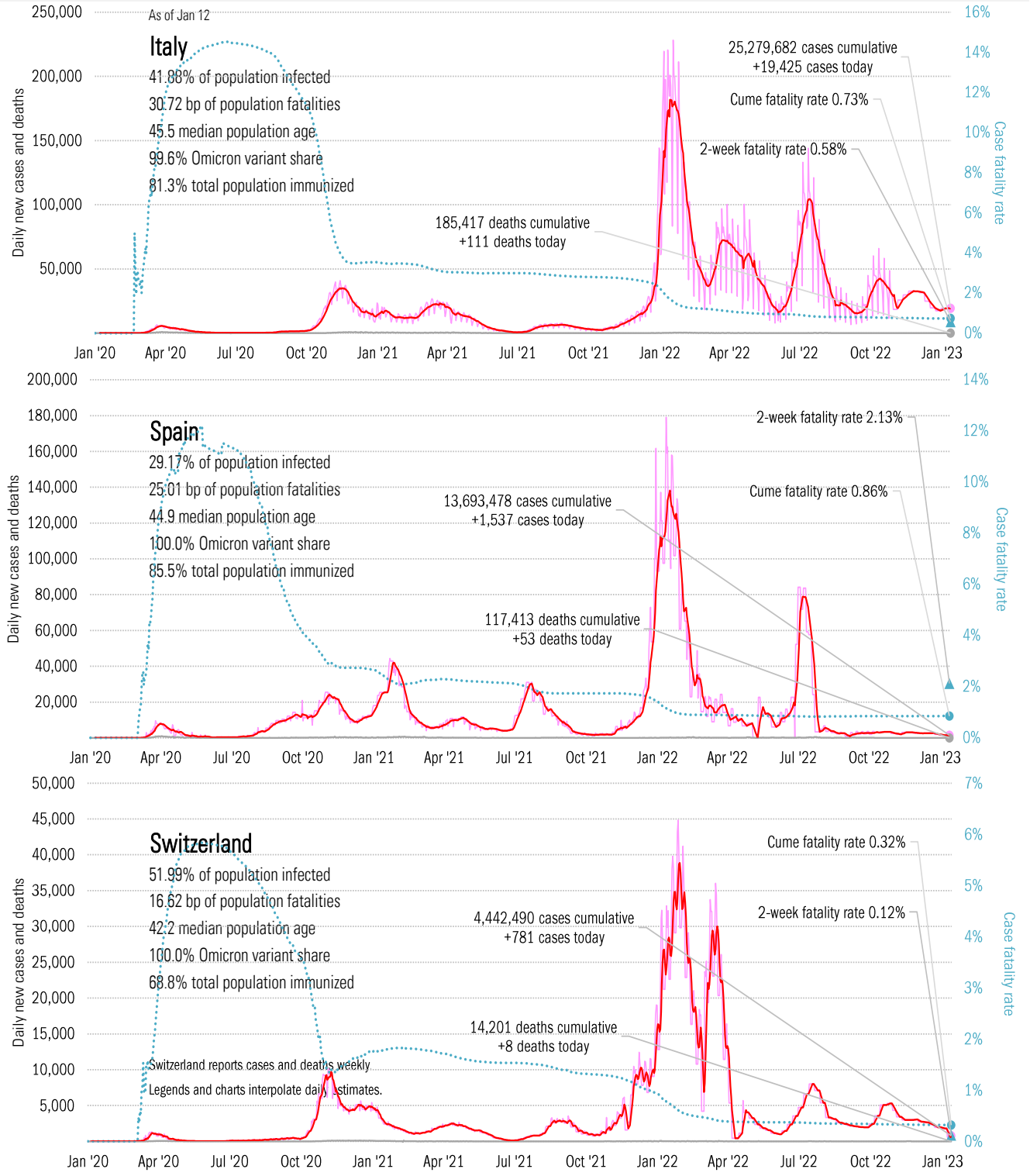
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

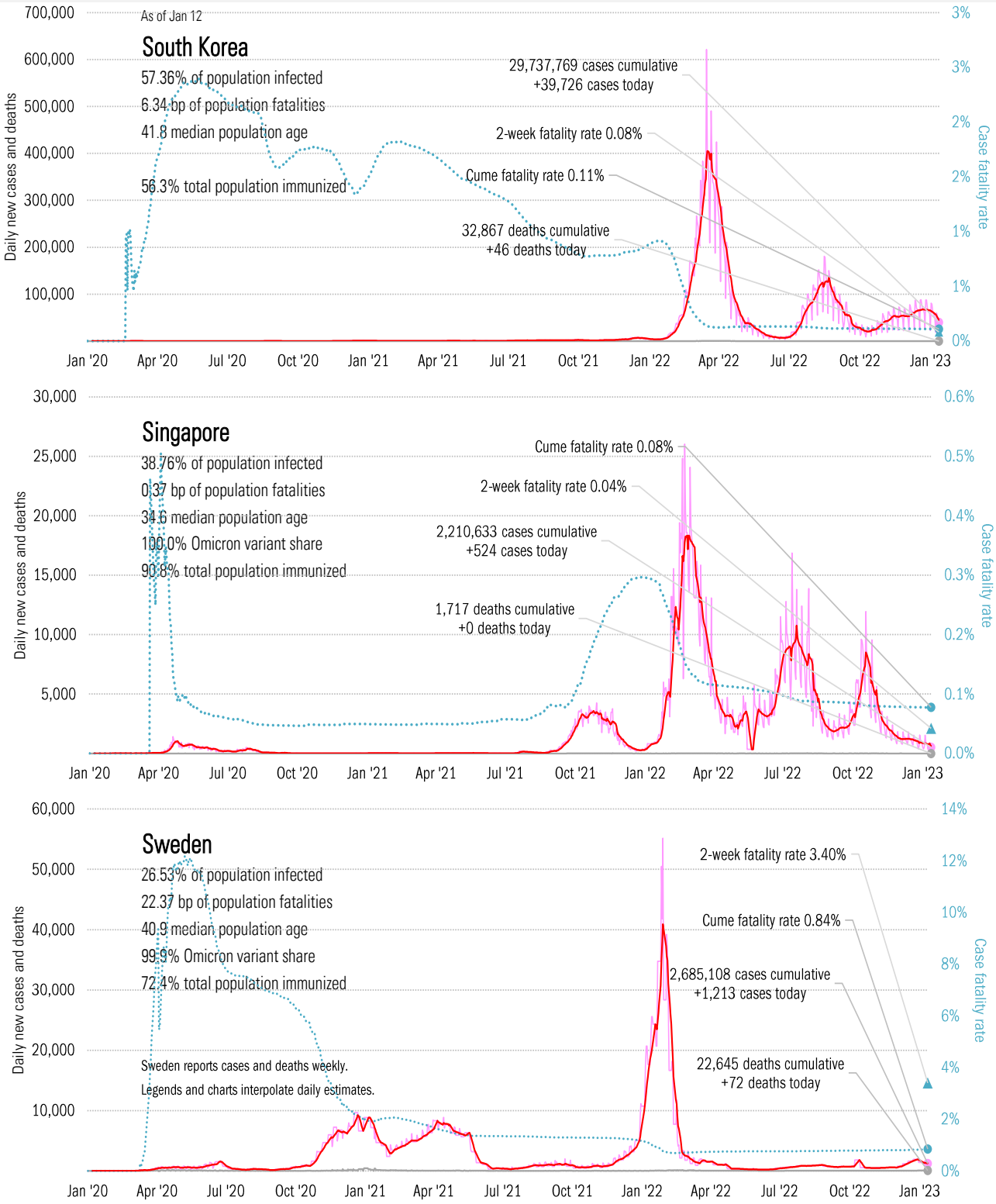
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

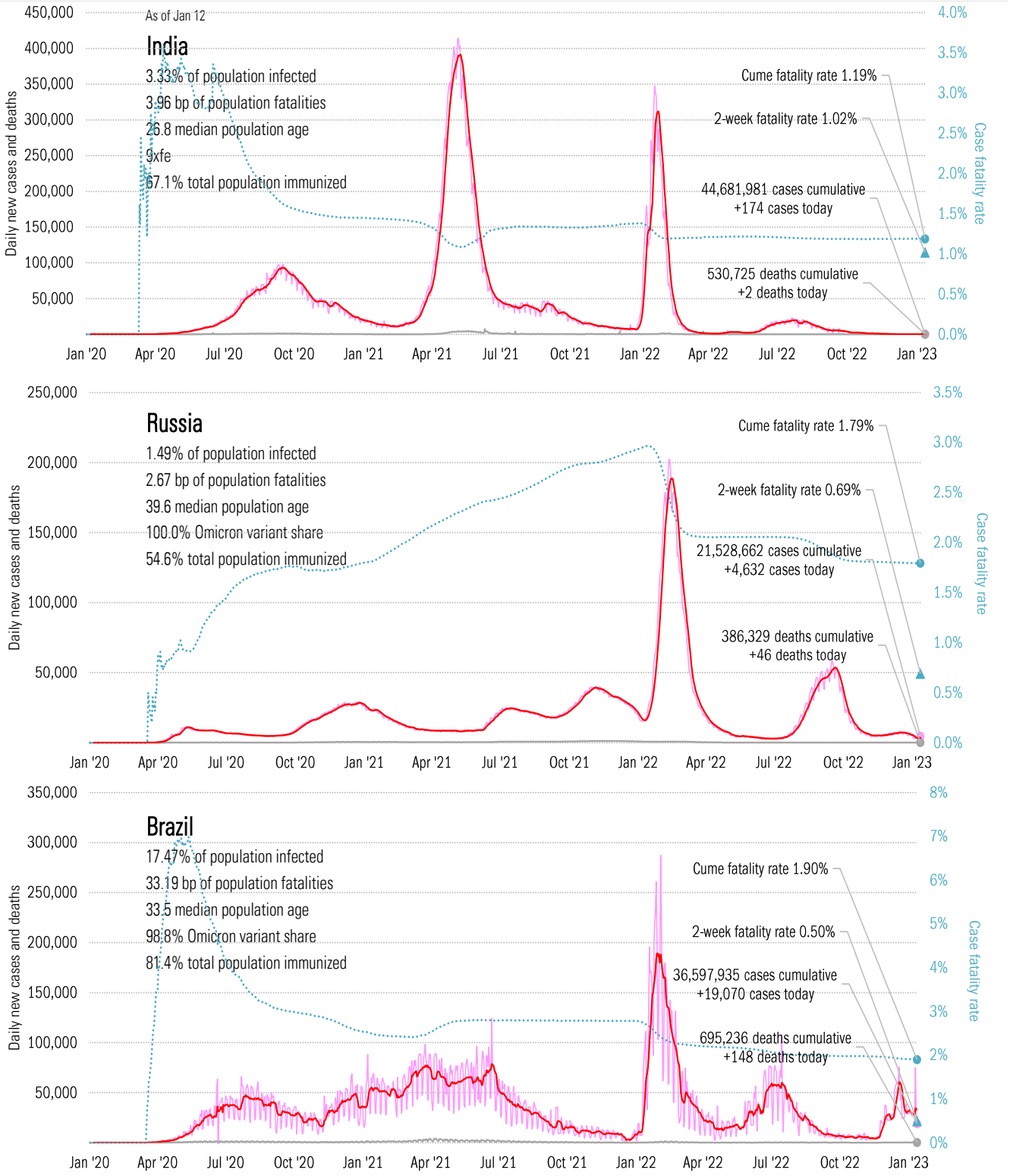
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

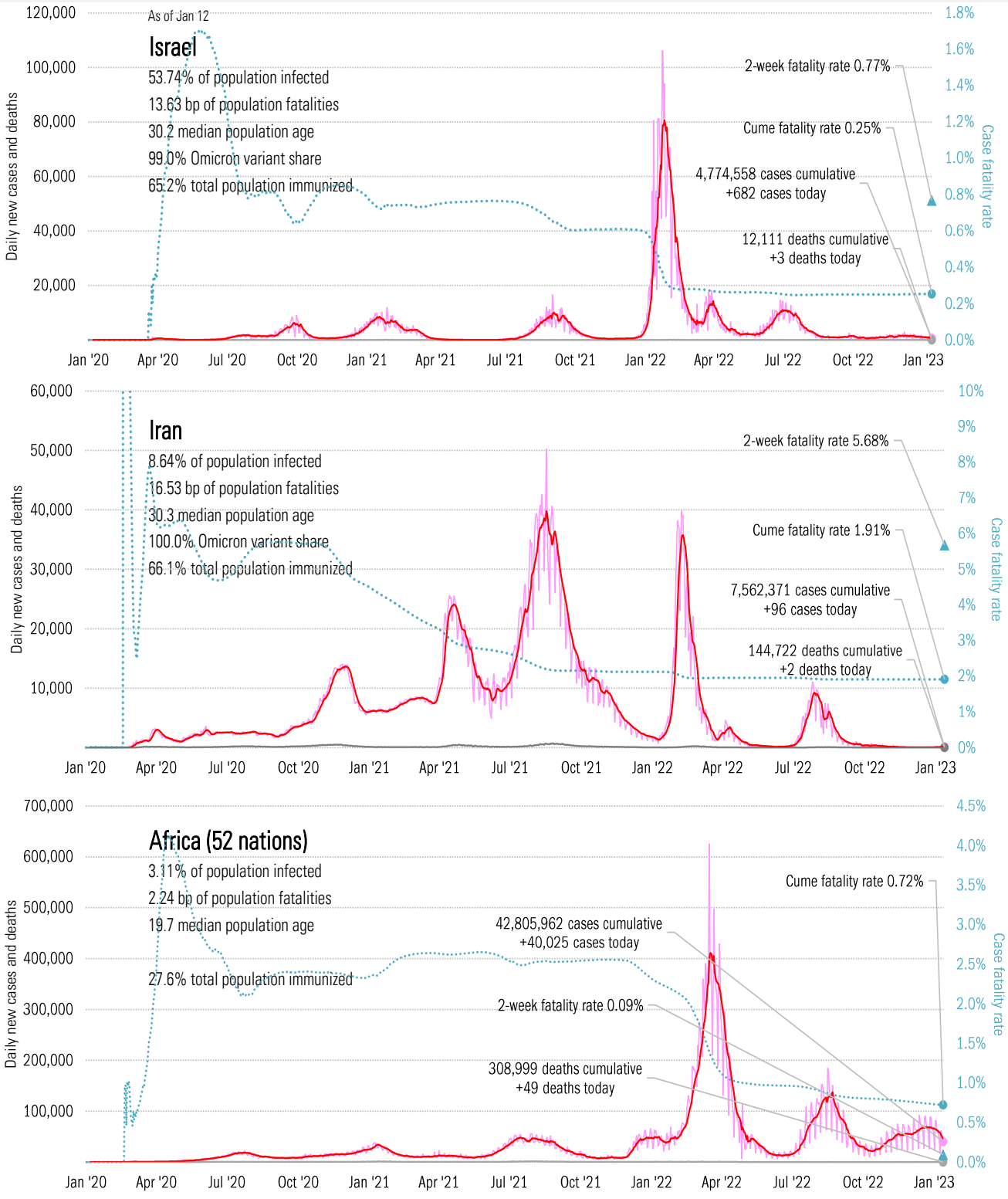
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

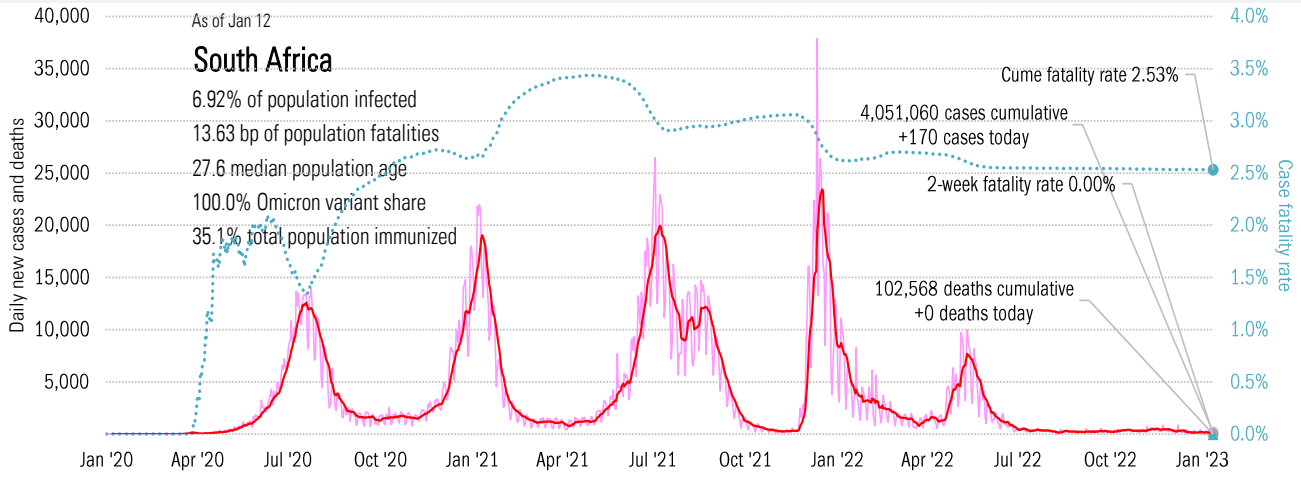
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, Trend Macro calculations