Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

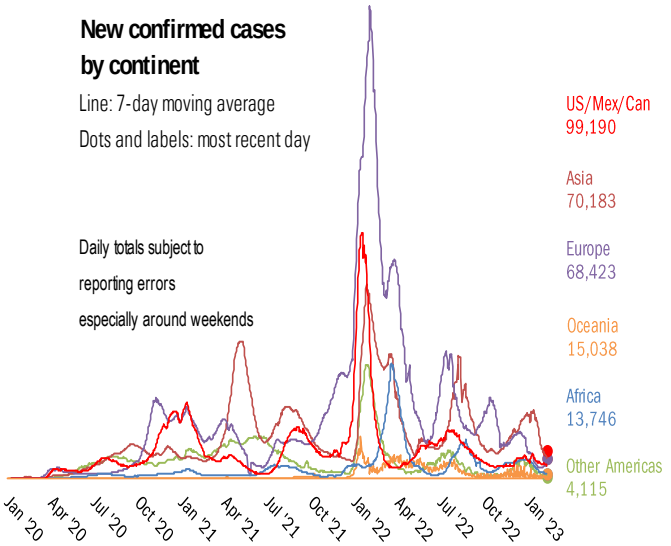
Friday, February 10, 2023

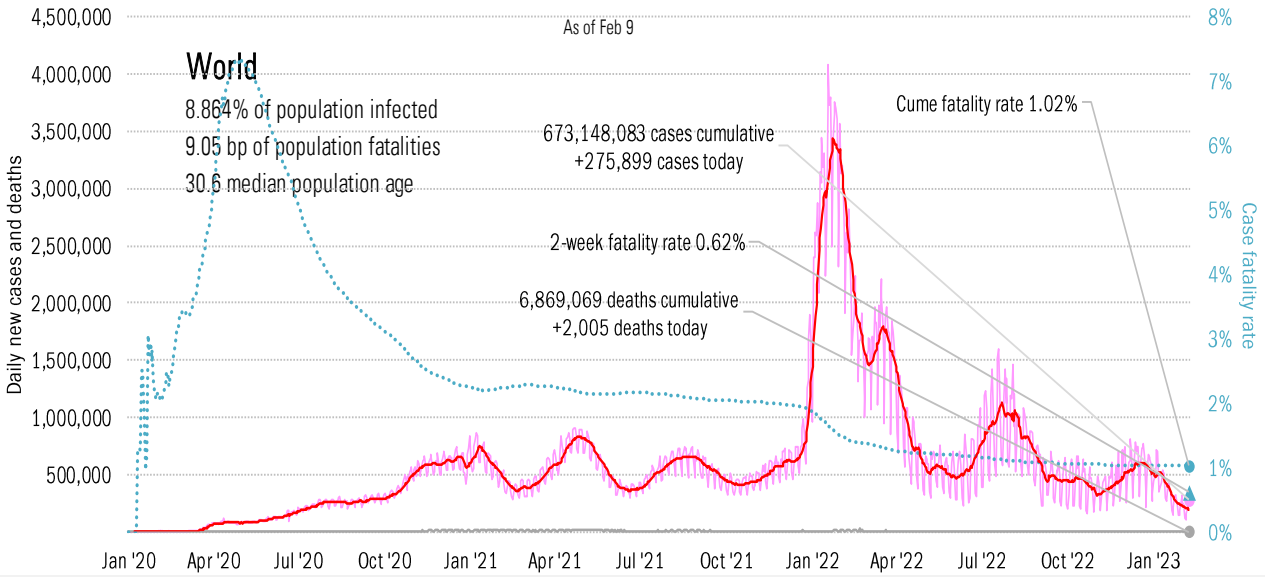
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries (see China note page 14)

New cases		New Deaths	
United States	52,968	United States	539
Japan	32,969	China	468
Taiwan*	20,912	Japan	223
Germany	14,178	Germany	134
China	14,106	Mexico	97
Korea, South	13,504	Finland	82
Russia	12,208	Canada	77
Mexico	9,946	Ukraine	69
Brazil	7,518	Italy	63
Belgium	5,546	Taiwan*	45





Source: Johns Hopkins, TrendMacro calculations

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Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

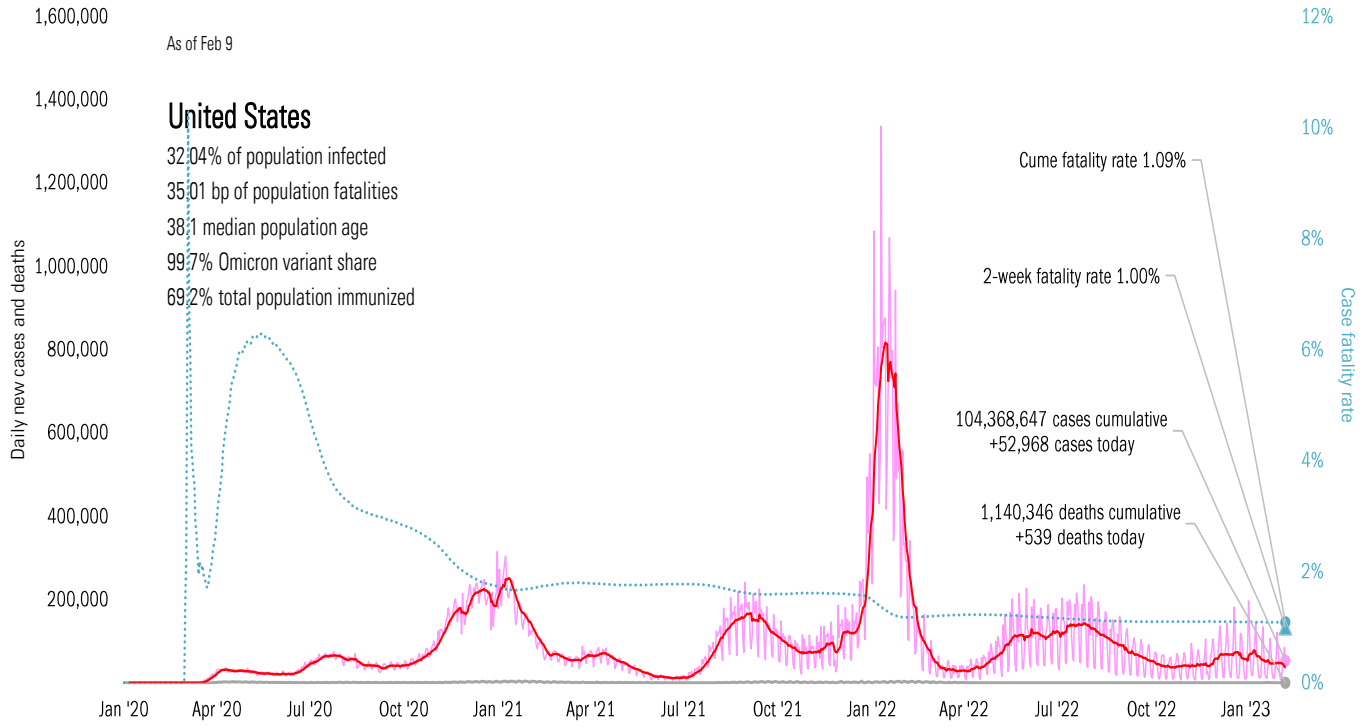
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CA	11,251	CA	254	AK	0	CA	12,028,702	CA	100,299	AK	0	AK	0%	AK	0%
FL	5,700	NY	58	AL	0	TX	8,398,730	TX	92,902	#N/A	0	AL	0%	AL	0%
MA	5,566	FL	49	AR	0	FL	7,483,857	FL	85,710	#N/A	0	AR	0%	AR	0%
NY	3,555	VA	39	AS	0	NY	6,740,500	NY	76,743	#N/A	0	AZ	0%	AZ	0%
TX	3,163	CO	32	AZ	0	IL	4,040,139	PA	49,921	#N/A	0	CA	0%	CA	0%
NJ	2,015	SC	26	CA	0	PA	3,490,499	GA	42,161	#N/A	0	CO	0%	CO	0%
NC	1,781	NC	19	CO	0	NC	3,438,259	MI	41,809	#N/A	0	CT	0%	CT	0%
PA	1,593	MA	19	CT	0	OH	3,364,860	OH	41,535	#N/A	0	DC	0%	DC	0%
IL	1,462	PA	19	DC	0	GA	3,042,823	IL	41,261	#N/A	0	DE	0%	DE	0%
AL	1,403	MI	17	DE	0	MI	3,036,304	NJ	35,859	#N/A	0	FL	0%	FL	0%
	37,490		531		0		55,064,673		608,200		0				
All states	52,968		539		0	All states	104,368,647		1,140,346		0	All states	70%		67%
Top ten	71%		98%		#DIV/0!	Top ten	54%		55%		#DIV/0!	Median	0%		0%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
WA	-913	FL	-63	AK	0
AR	-281	WI	-11	AL	0
MO	-84	NH	-10	AR	0
WI	-66	OR	-3	AS	0
CT	-57	MD	-2	AZ	0



Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

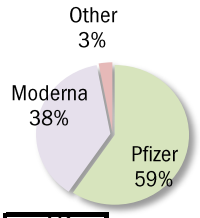
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	687,056,320				+0.220 million
				Of which boosters:	+0.157 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	277,638,793	83%	236,656,371	71%	+0.030 million
Age 12 to 17	18,464,819	73%	15,803,584	62%	+0.002 million
Age 18 to 64	184,583,588	91%	156,864,729	77%	+0.016 million
Age 65 and over	61,066,754	100%	53,495,666	98%	+0.005 million

Immunity	Full	Partial
US	69.2%	81.0%
UK	75.2%	79.7%
France	78.4%	80.6%
Spain	85.6%	86.9%
Germany	76.2%	77.8%
Italy	81.3%	86.2%
Australia	82.7%	85.0%
Israel	65.2%	71.1%
Canada	82.6%	90.4%
Japan	83.3%	84.4%
Africa	28.2%	34.2%
India	67.2%	72.5%
Brazil	81.6%	87.8%
China	89.5%	91.9%

Global data differs due to sources, timing



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

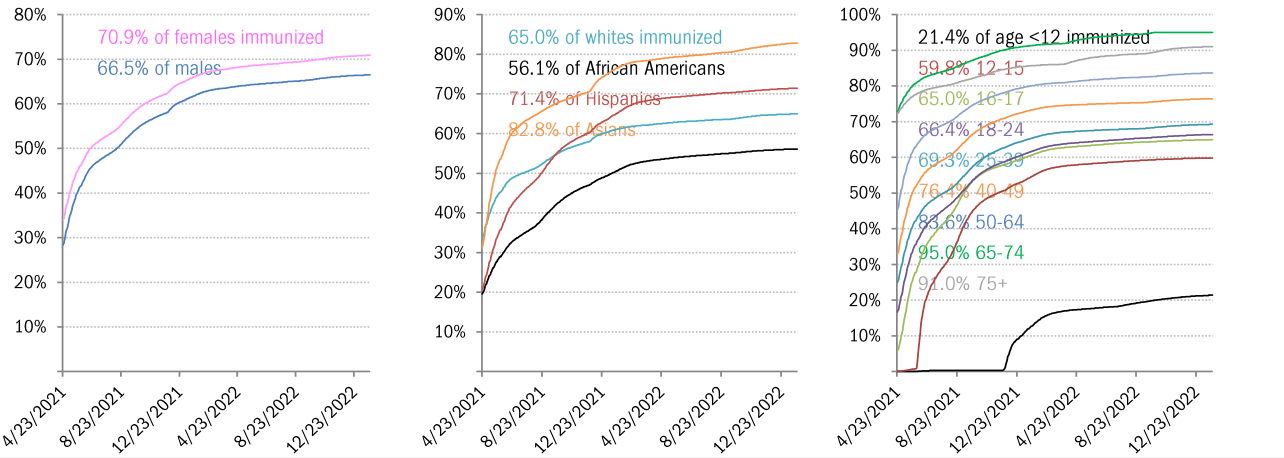
"Immunity" = two doses

Best
Middle
Worst

As of Feb 10

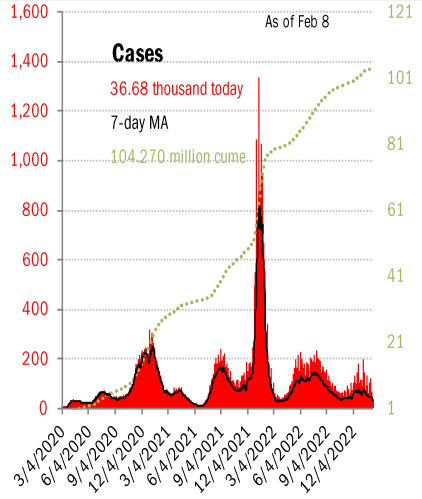
					WI					ME
					75.1%					95.0%
					68.2%					83.3%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.2%	63.9%	68.2%	69.3%	78.8%	79.1%	69.4%		94.4%	95.0%	88.1%
76.0%	56.4%	59.1%	58.6%	72.1%	71.3%	62.3%		80.8%	85.6%	71.9%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.6%	77.6%	60.8%	83.8%	70.6%	64.4%	65.7%	90.5%	94.6%	95.0%	
72.4%	63.7%	53.0%	66.2%	64.3%	57.7%	60.4%	73.3%	79.1%	84.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.7%	75.3%	83.6%	73.4%	69.3%	68.8%	67.5%	91.0%	91.7%	95.0%	95.0%
74.6%	66.7%	73.5%	66.2%	59.0%	59.6%	59.7%	76.6%	79.7%	83.0%	87.7%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.5%	94.4%	76.2%	69.9%	64.4%	92.2%	71.0%	95.0%	88.2%	
	66.0%	75.2%	65.3%	56.8%	56.2%	67.1%	59.9%	90.3%	73.3%	
			OK	LA	MS	AL	GA			
			74.6%	62.8%	61.6%	65.0%	68.4%			
			60.4%	55.0%	53.7%	53.1%	57.3%			
HI			TX					FL		PR
91.4%			76.4%					82.4%		90.9%
81.5%			63.2%					69.4%		84.0%

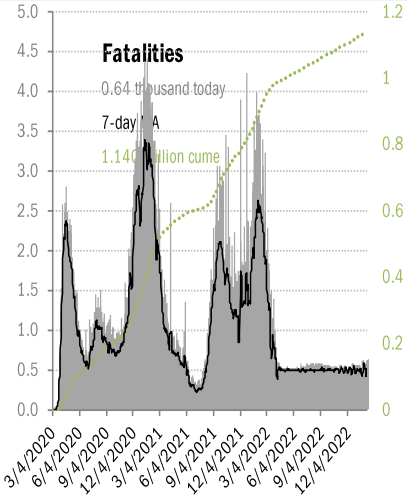
The demographics of US vaccination

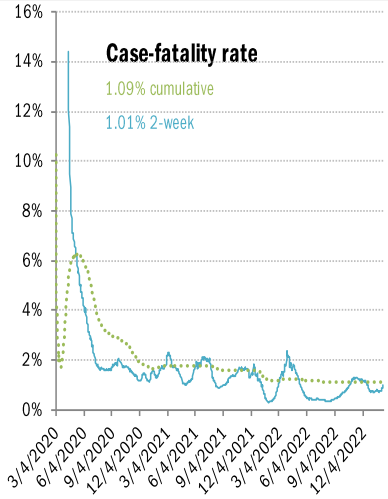


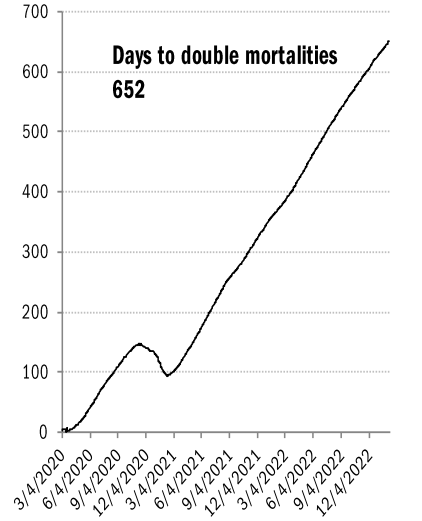
Source: CDC, CDC, Our World in Data, TrendMacro calculations

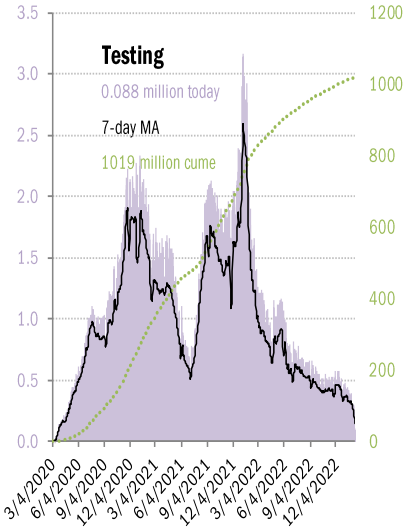
US deep-dive

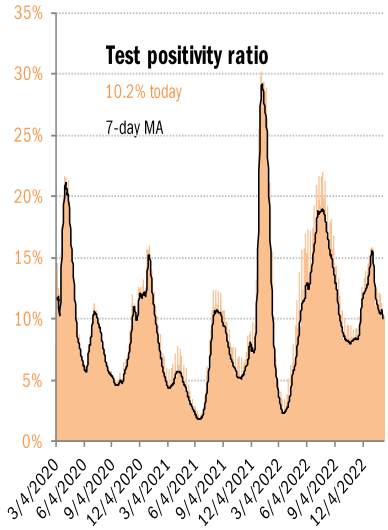


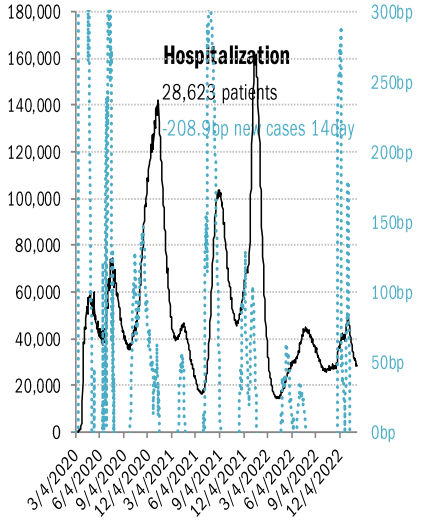


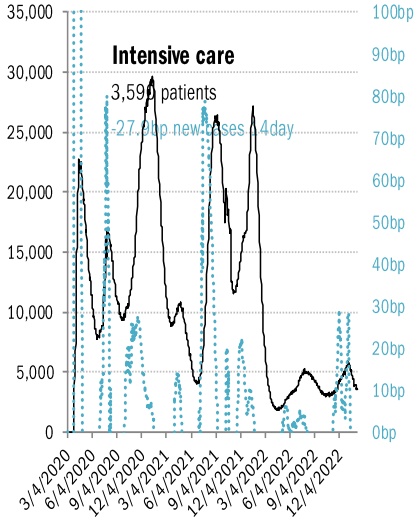


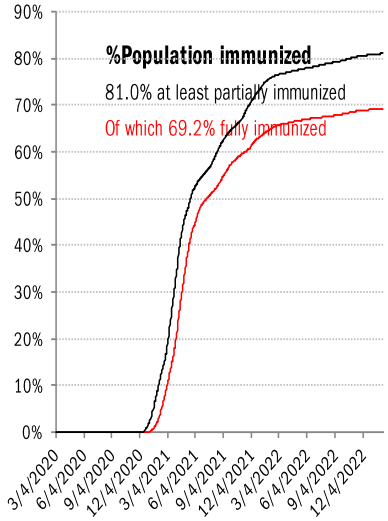












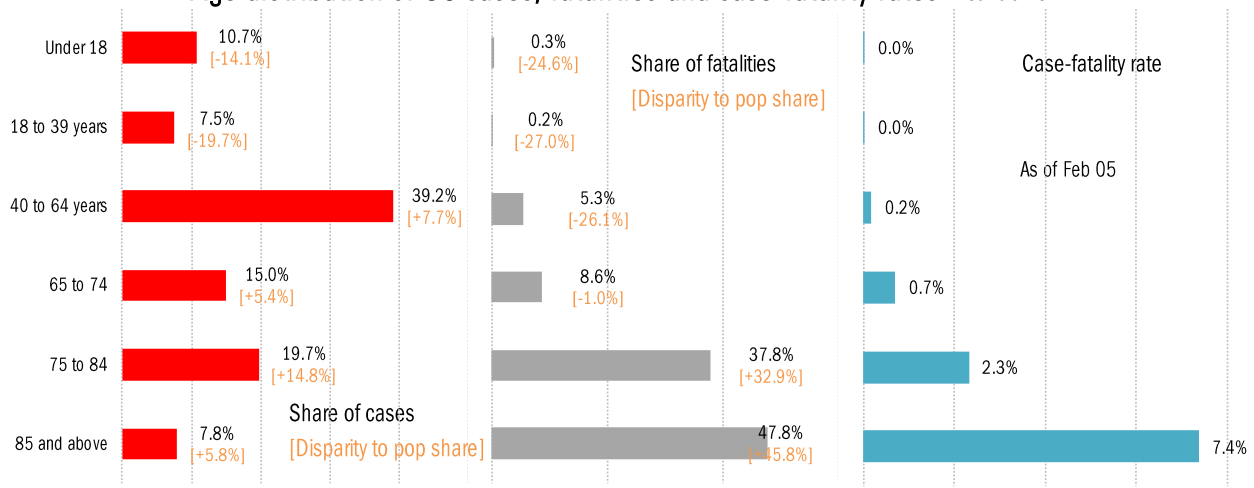
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

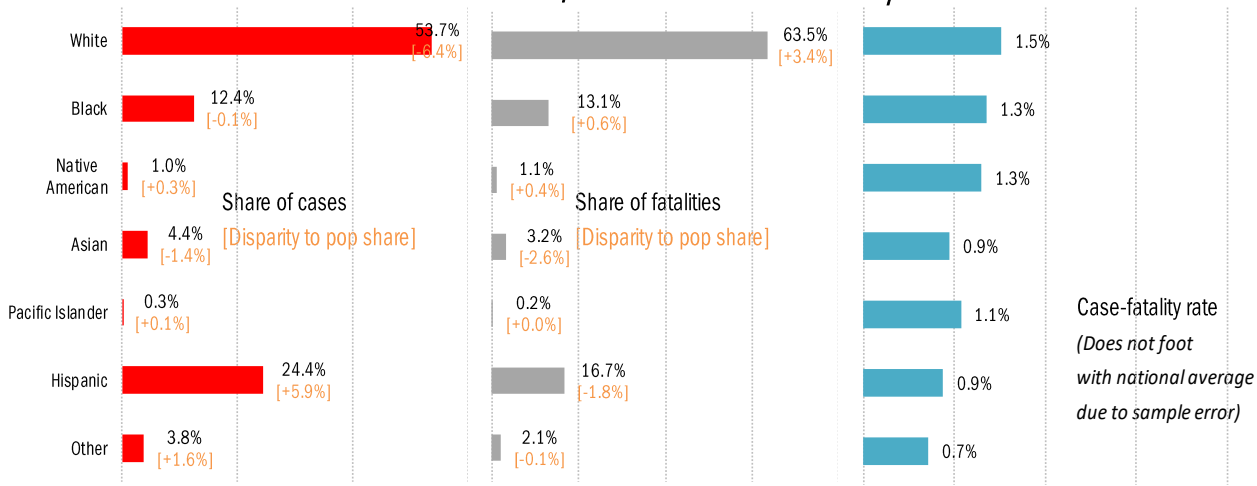
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



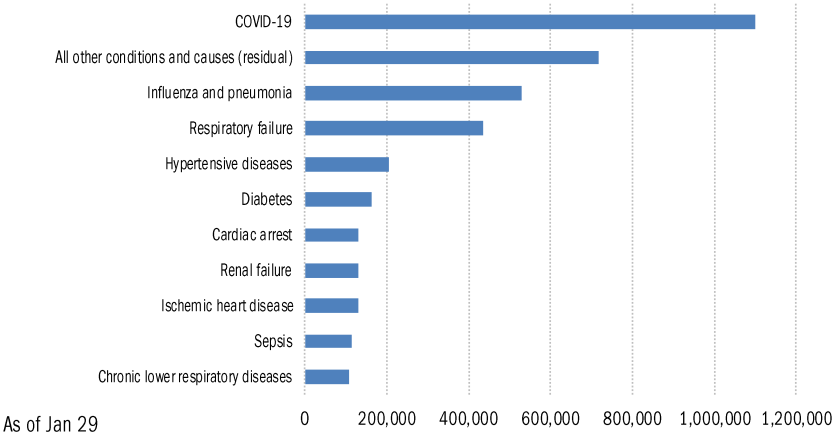
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jan 29

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

[What happened to students who left public schools during the pandemic? New research tracks their paths]
Carrie Spector
Stanford Graduate School of Education
February 8, 2023

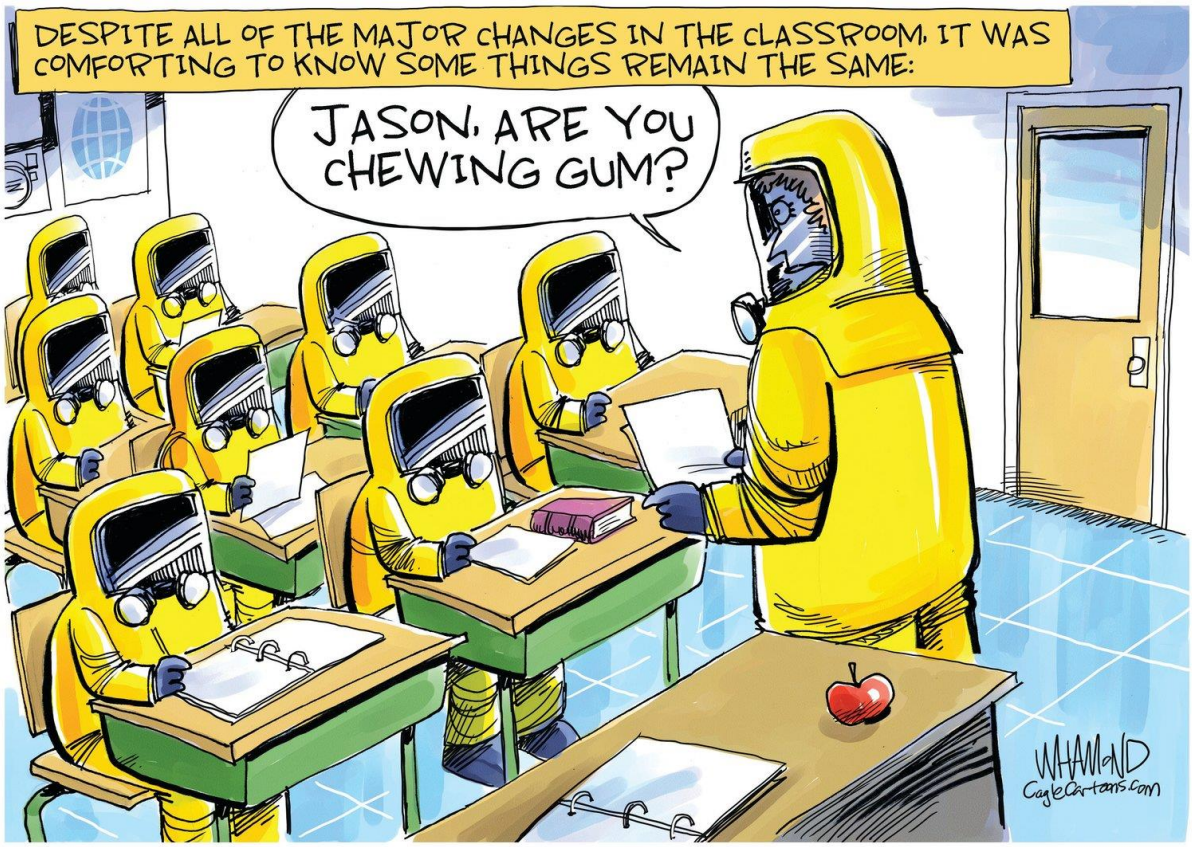
[Where the Kids Went: Nonpublic Schooling and Demographic Change during the Pandemic Exodus from Public Schools]
Thomas Dee et al.
Stanford Graduate School of Education
February 9, 2022

[Schools Lost Track of Thousands of Students Who Left During Pandemic, Study Shows]
Ben Chapman
Wall Street Journal
February 9, 2023

[How the Powerful Use Crises to Concentrate Wealth, Manipulate the Masses]
Brenda Baletti
The Defender
February 9, 2023

[Remember when the Biden administration said I was a "terrorist threat"? True story.]
Alex Berenson
Unreported Truths
February 9, 2023

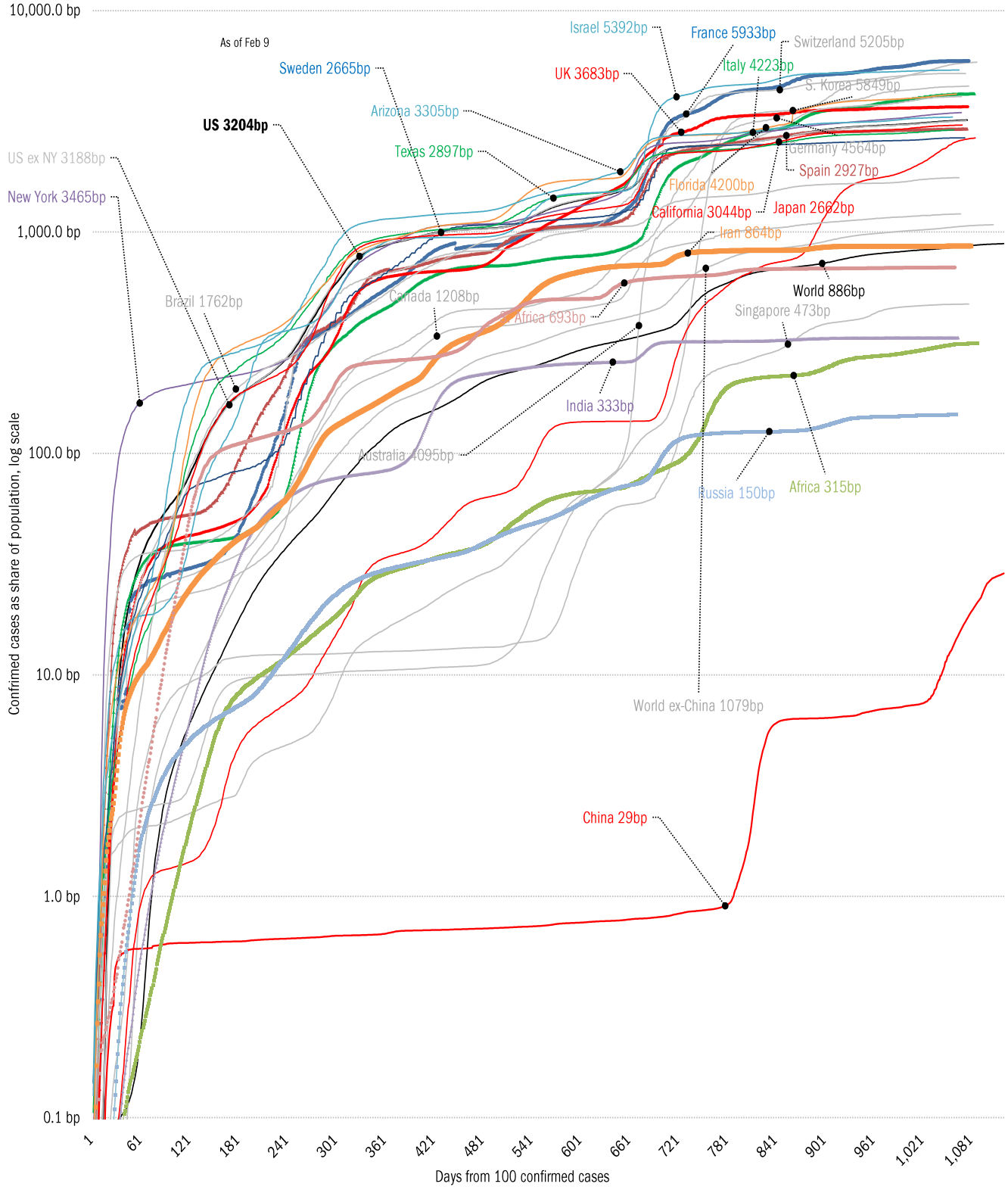
Meme of the Day



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

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

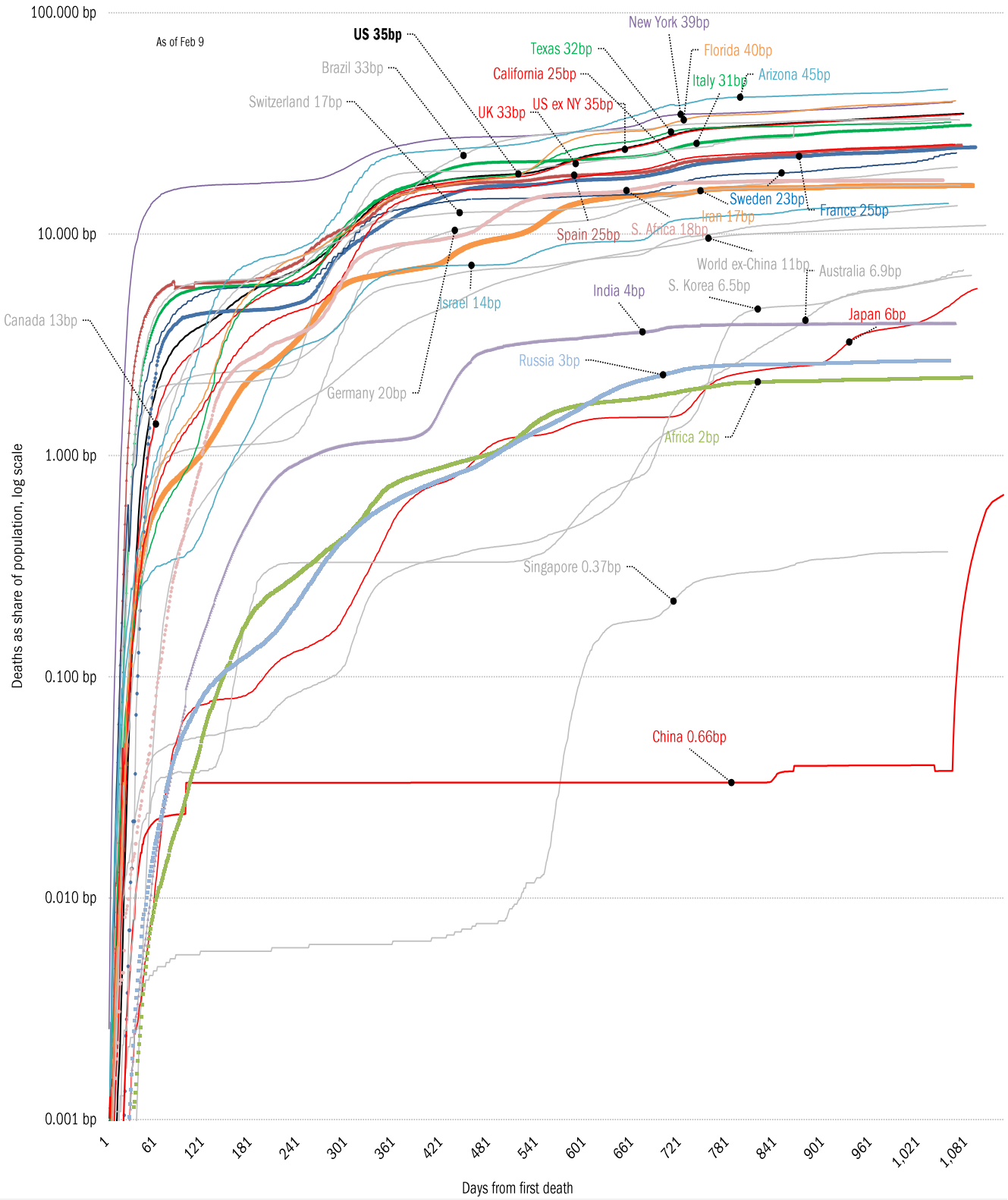
Share of infected population from first day with 100 confirmed cases, log scale



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

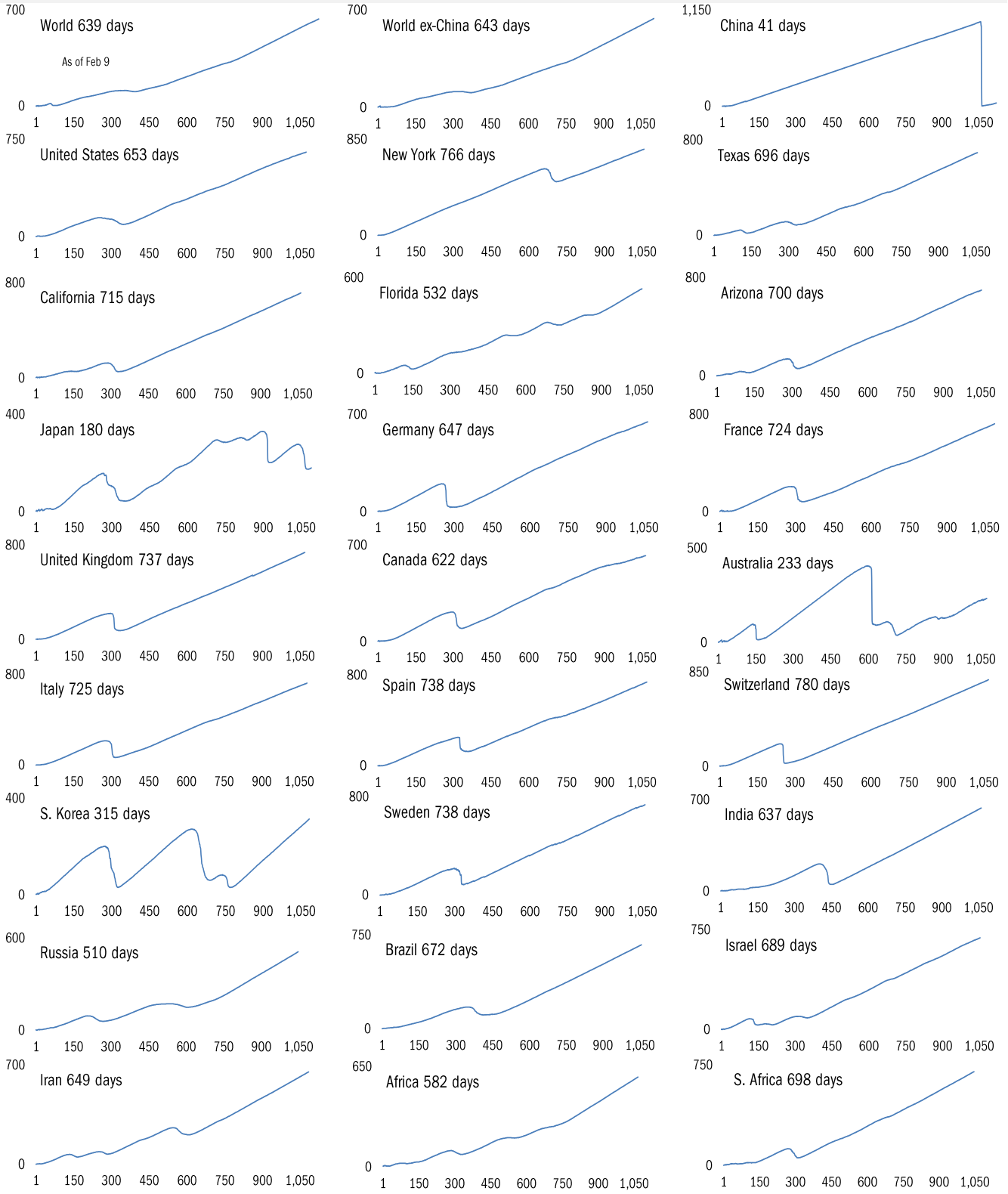


Source: Johns Hopkins, TrendMacro calculations

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

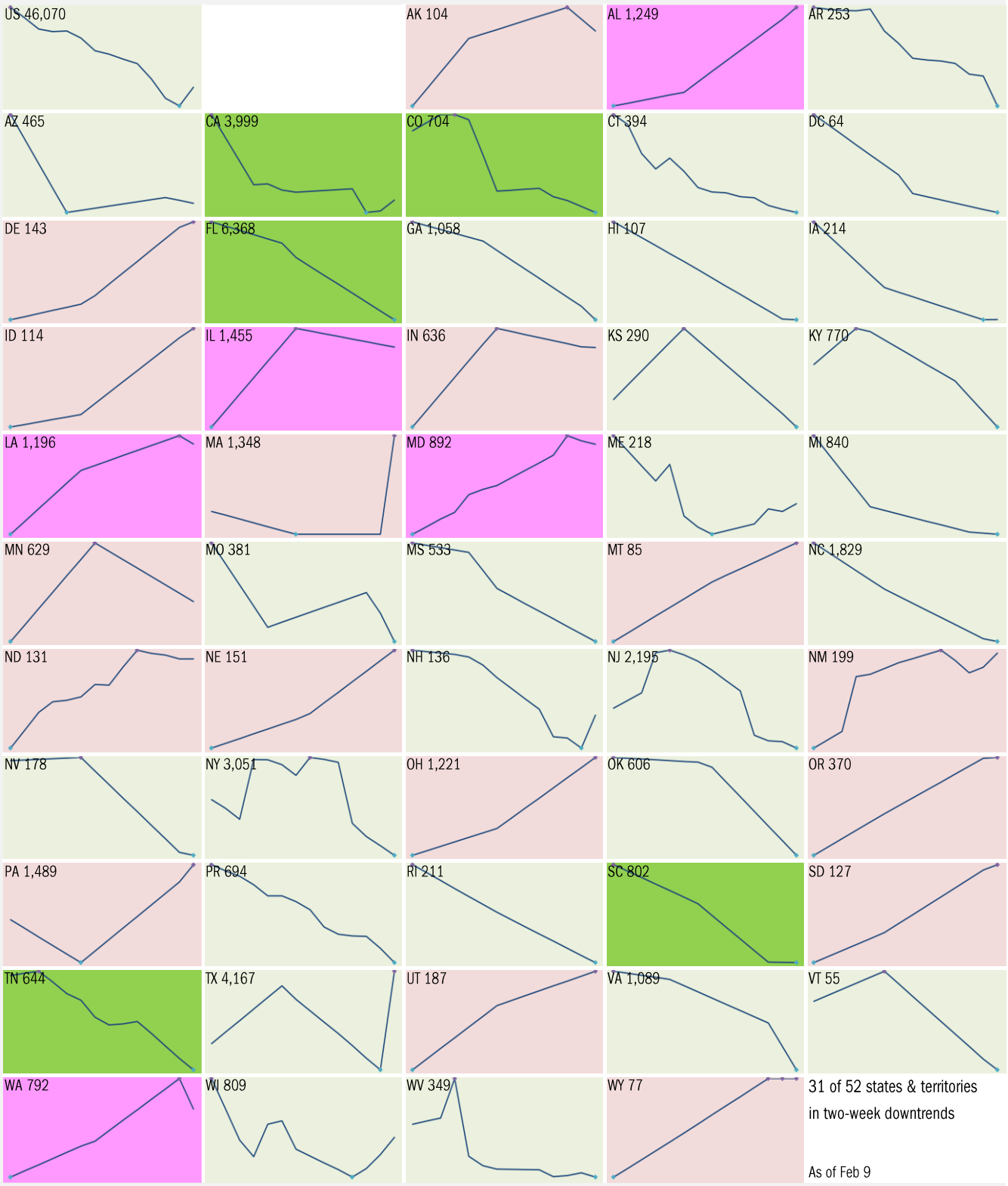


Source: Johns Hopkins, TrendMacro calculations

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

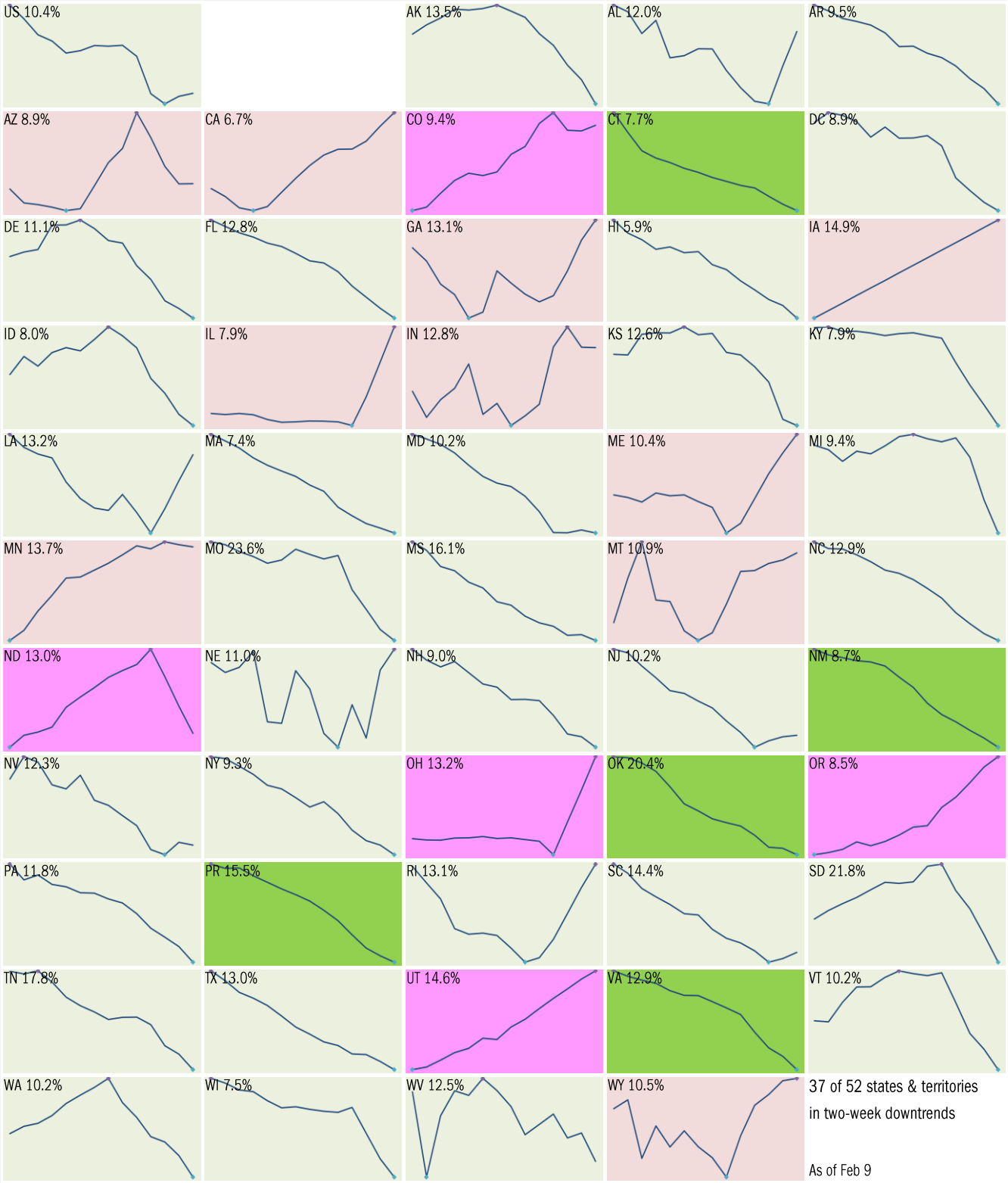


Source: Johns Hopkins, TrendMacro calculations

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

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

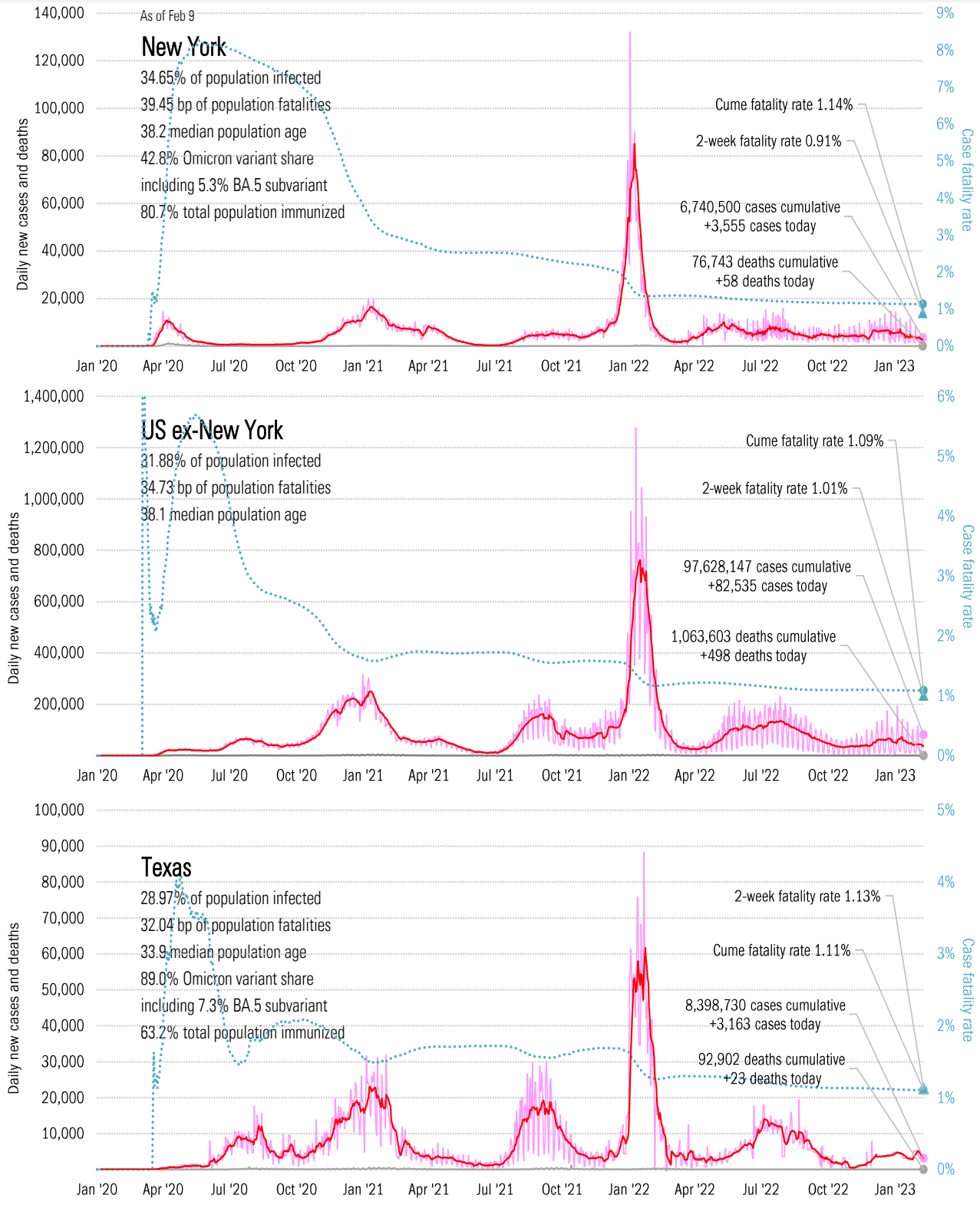
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

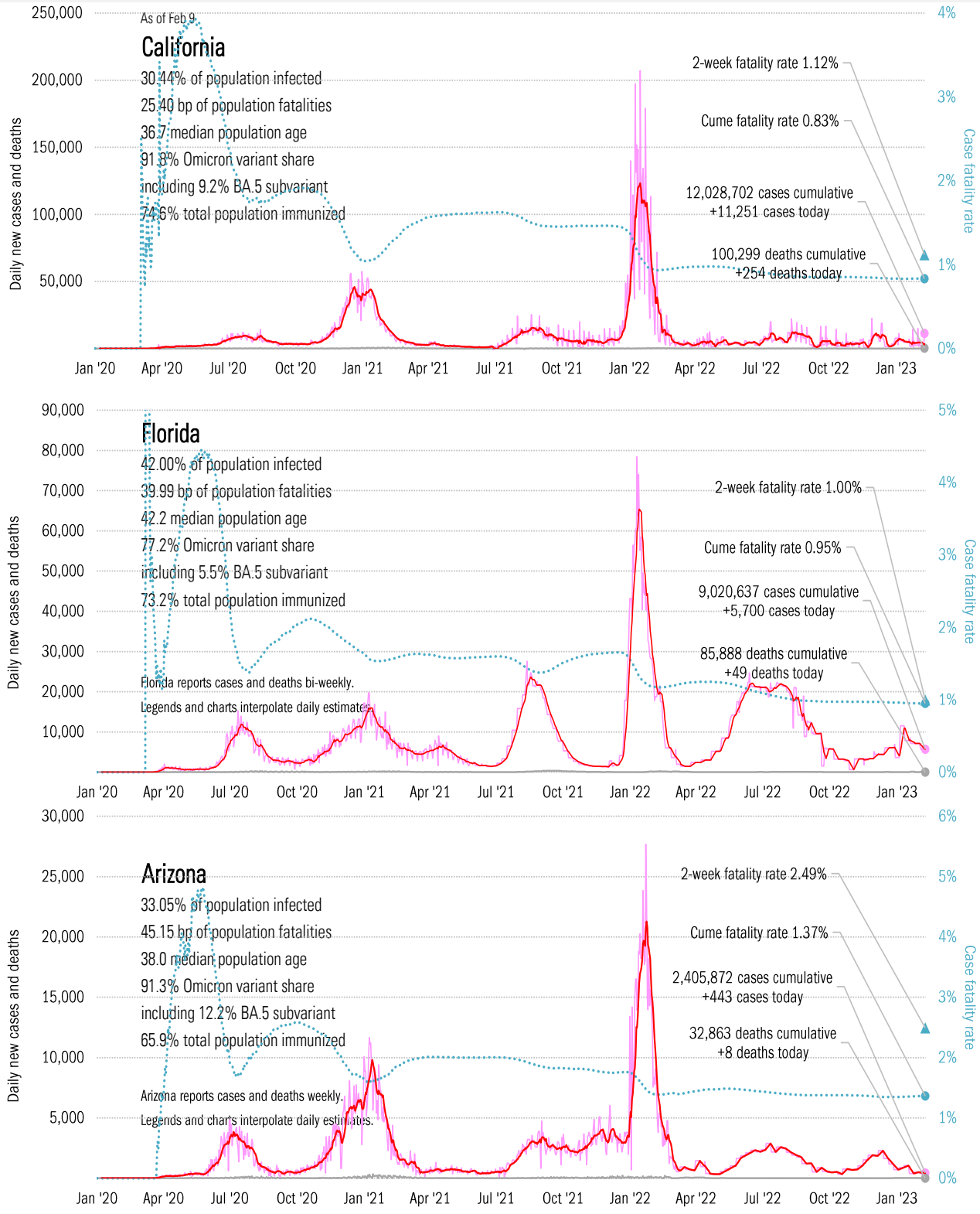
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

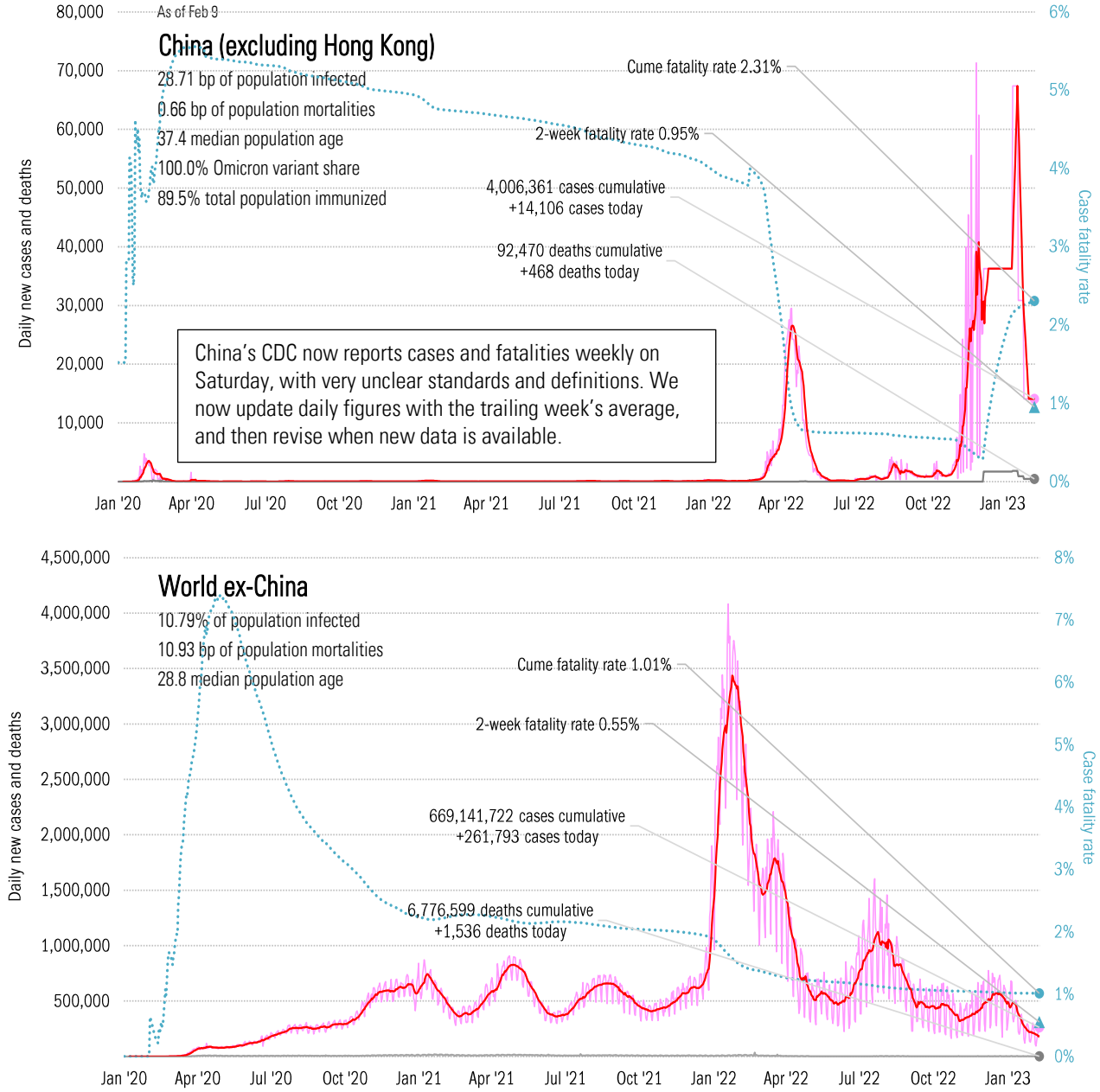
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

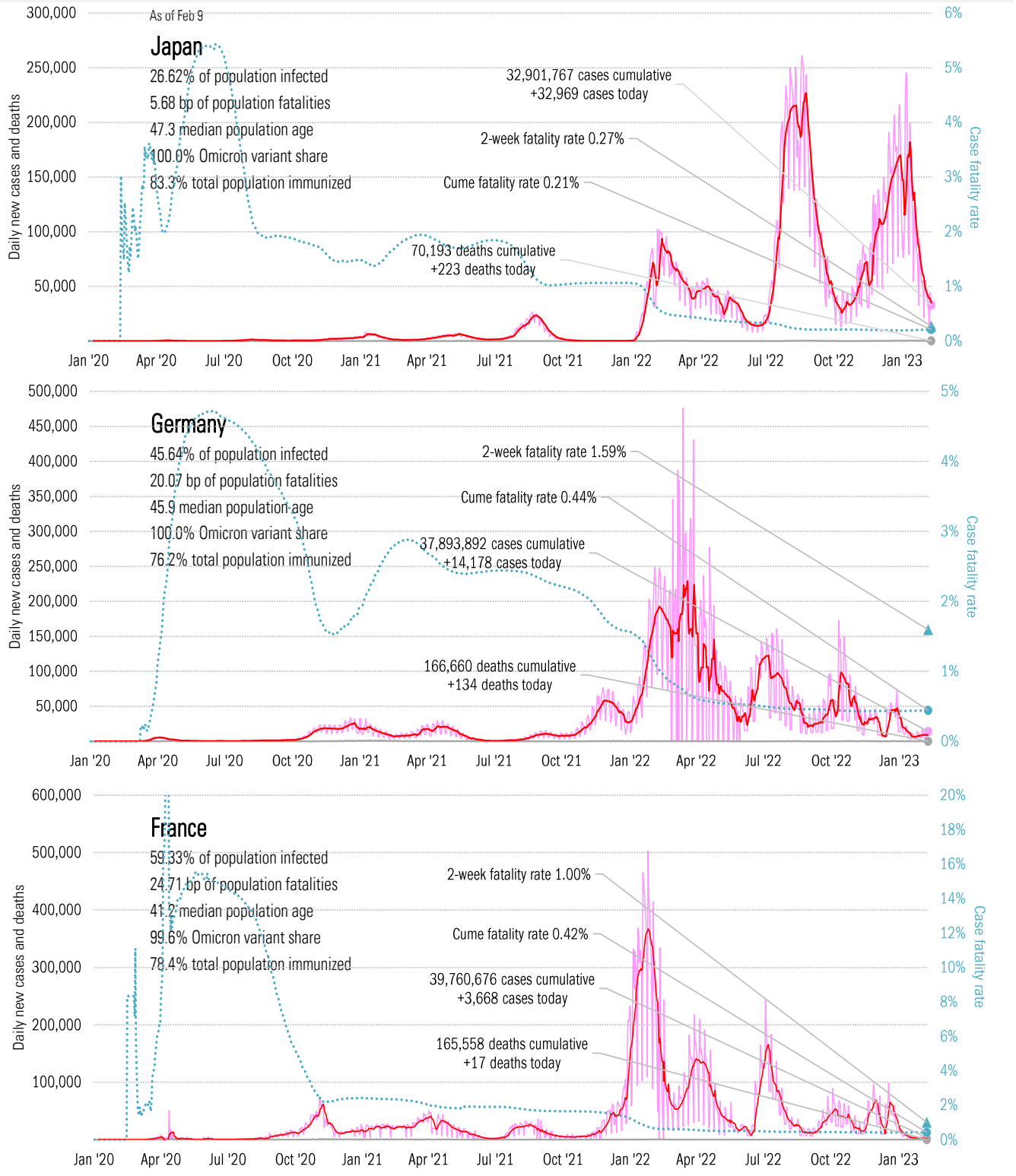
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, China CDC, TrendMacro calculations

Impact in the largest economies

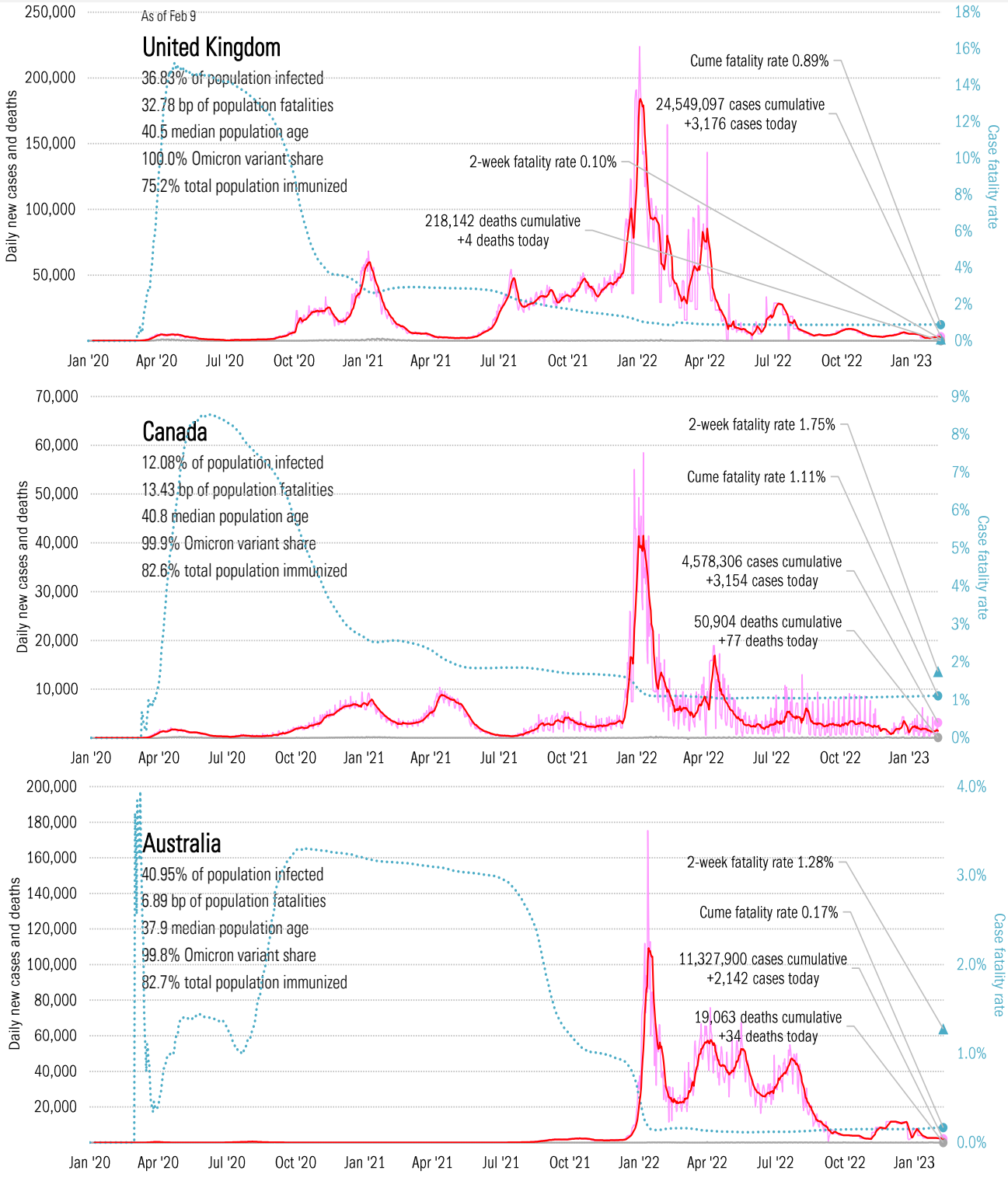
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

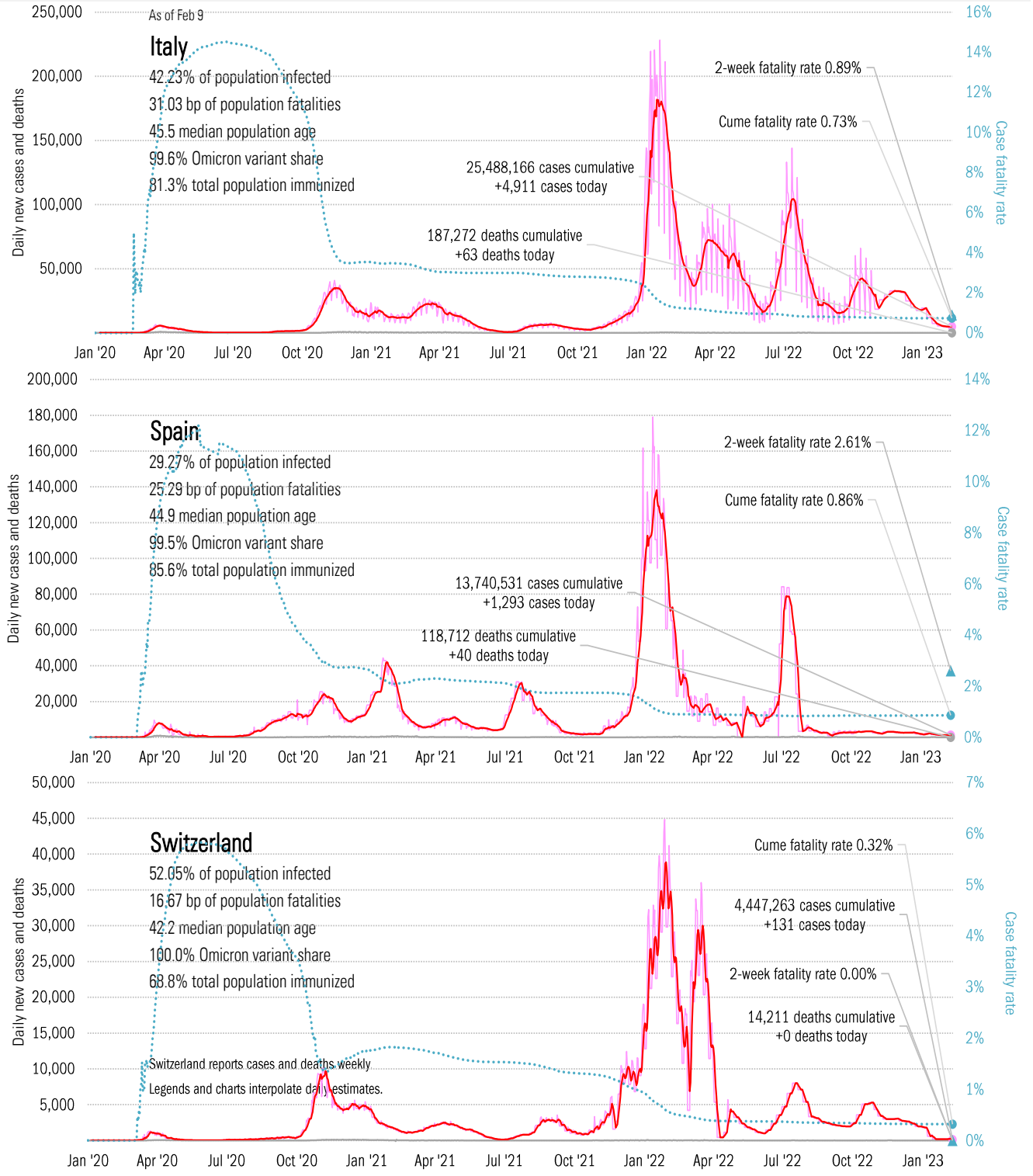
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

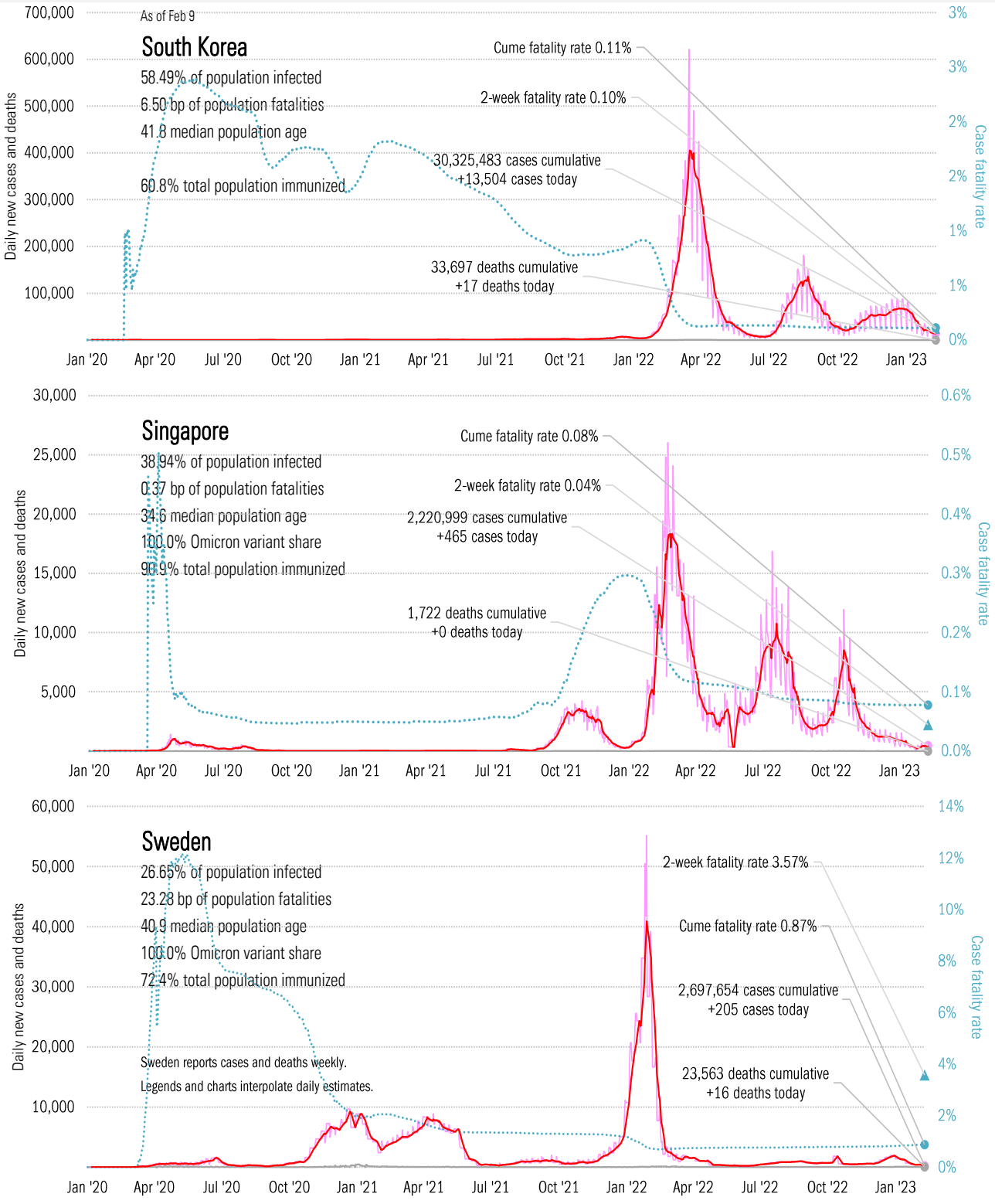
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

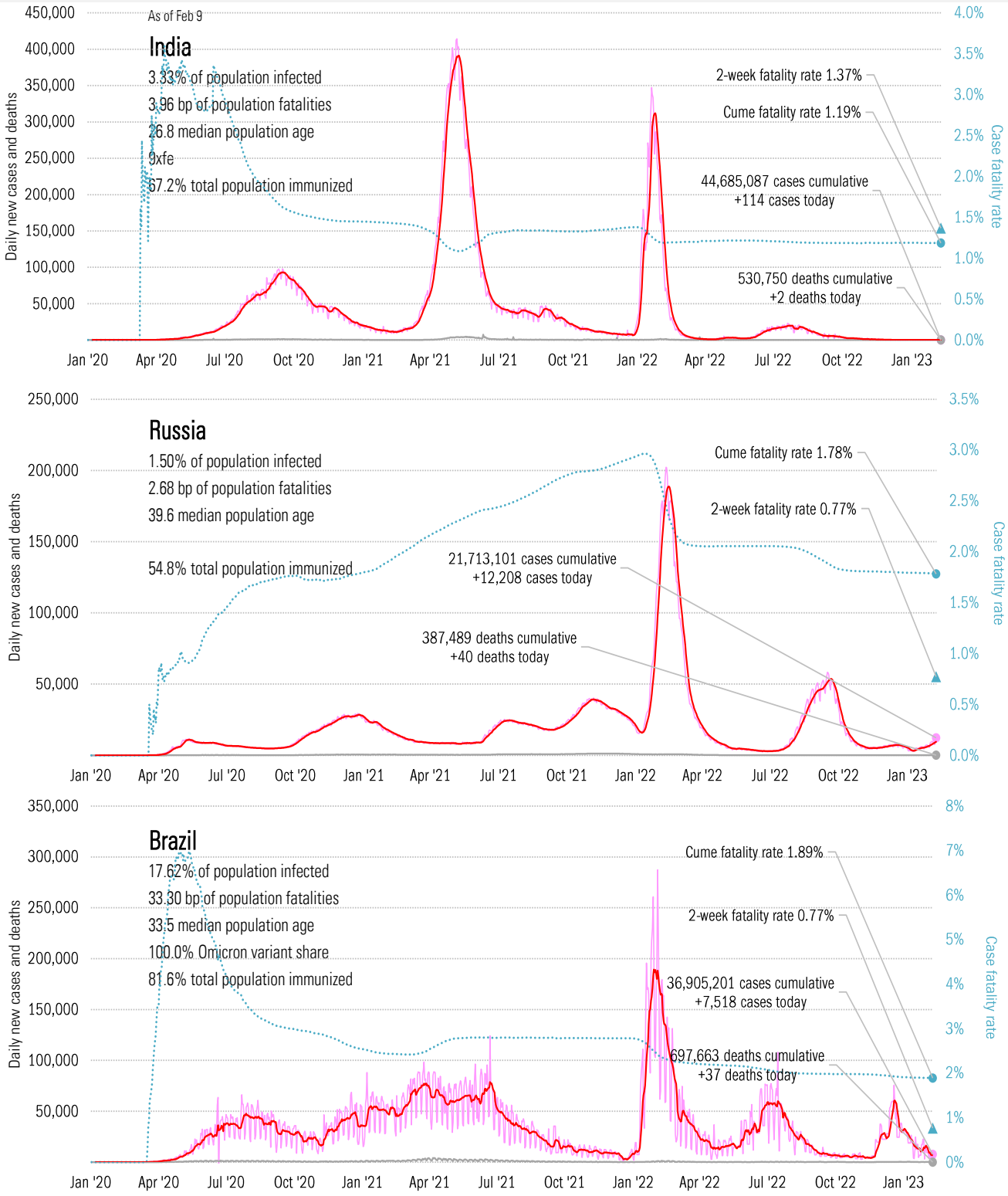
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

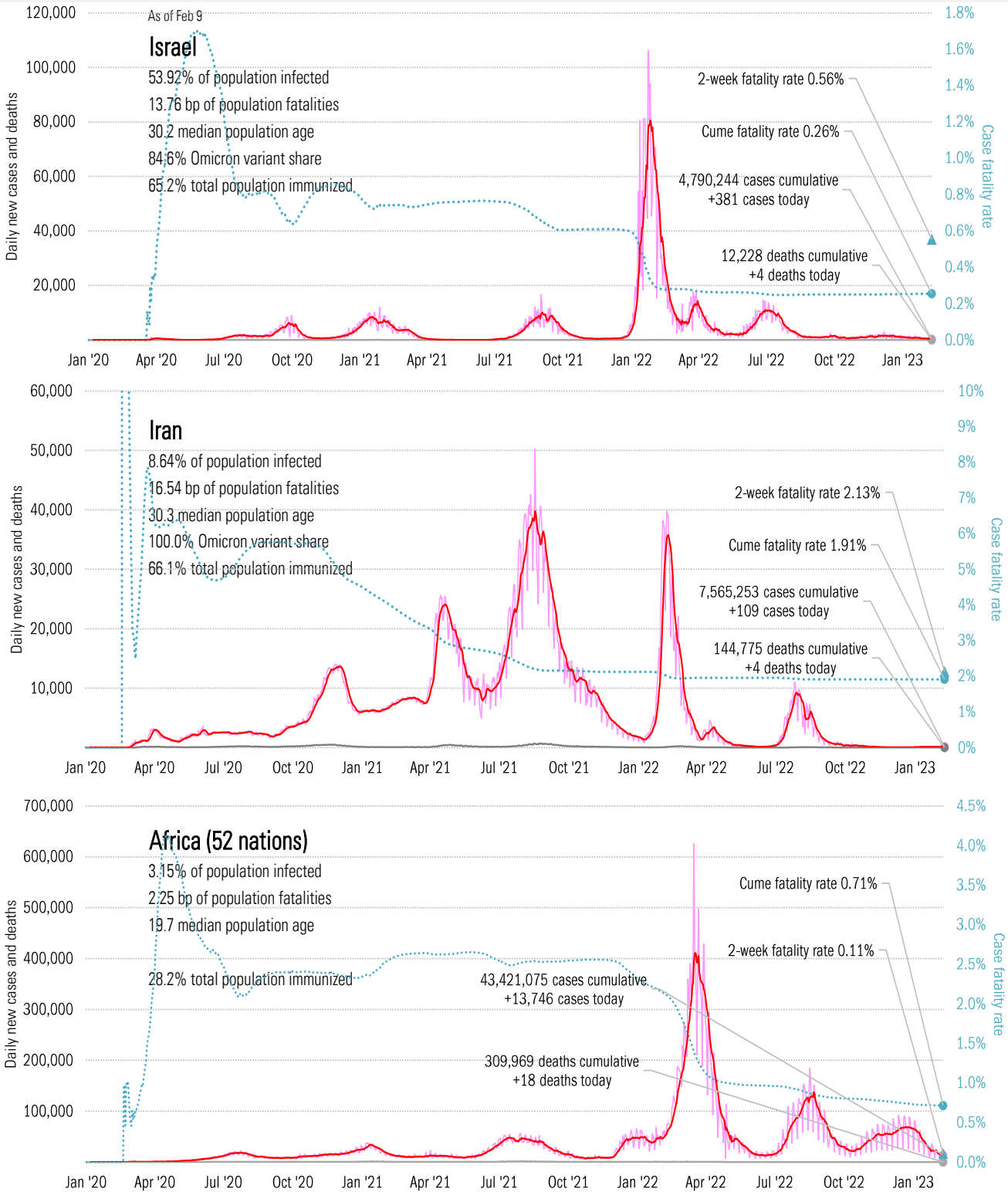
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

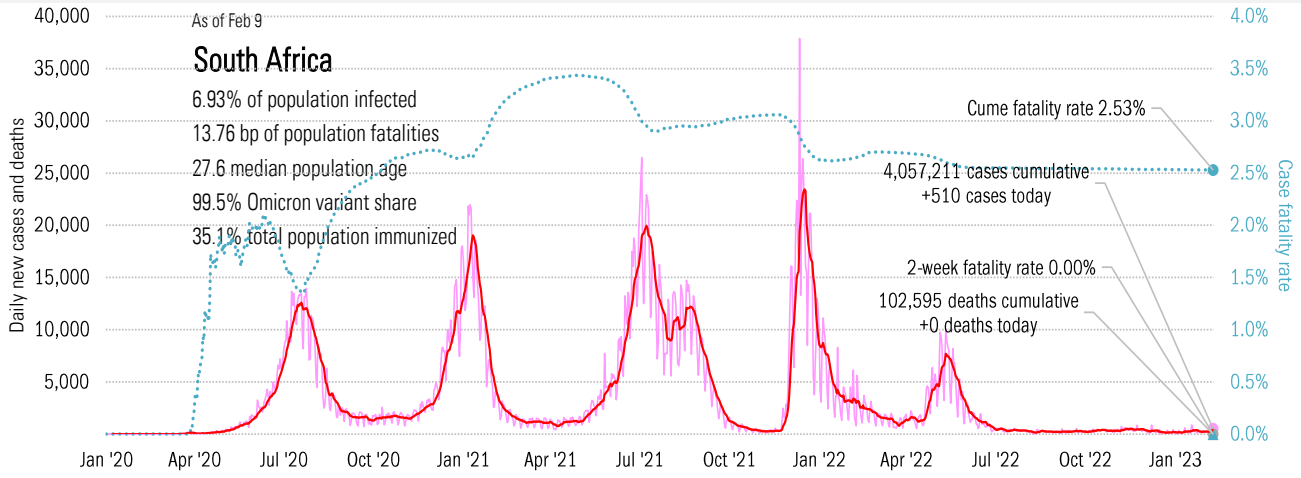
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, Trend Macro calculations