Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

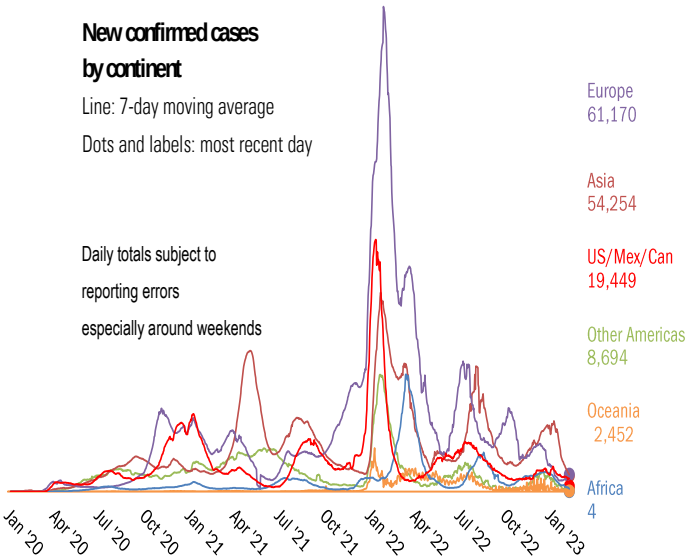
Sunday, February 12, 2023

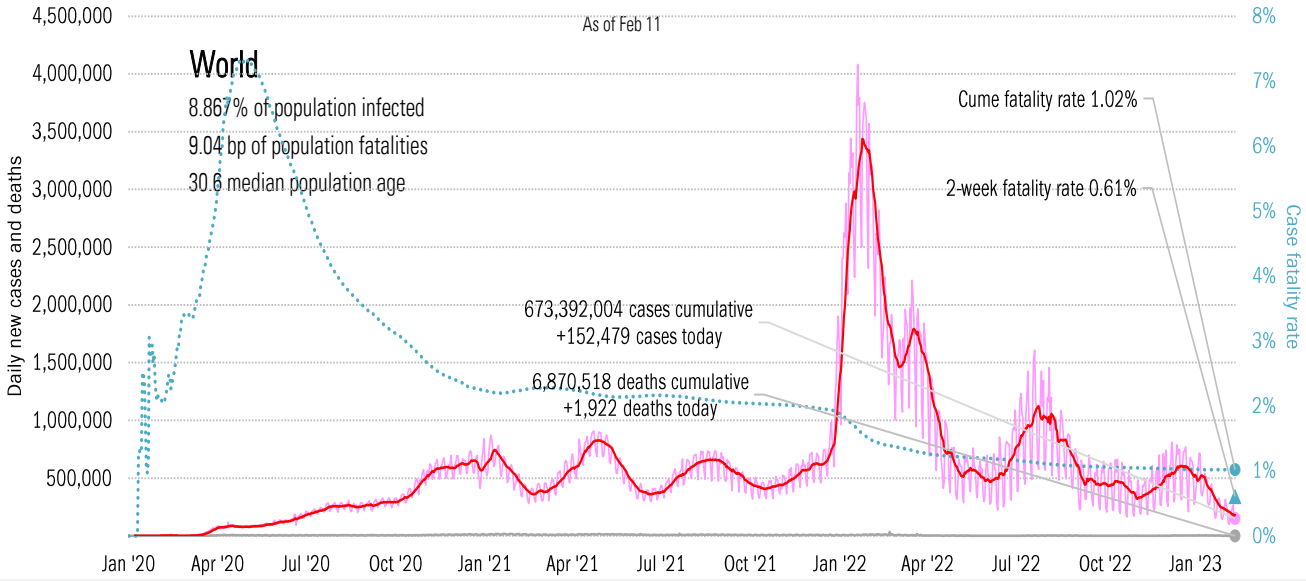
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries (see China note page 14)

New cases		New Deaths	
United States	31,245	United States	450
Japan	28,640	Italy	279
Taiwan*	19,660	Japan	193
Germany	14,178	Germany	134
Korea, South	13,504	China	126
Brazil	12,426	Taiwan*	70
Russia	12,300	United Kingdom	48
China	5,373	Spain	38
Italy	4,414	Russia	37
France	3,366	Brazil	37





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

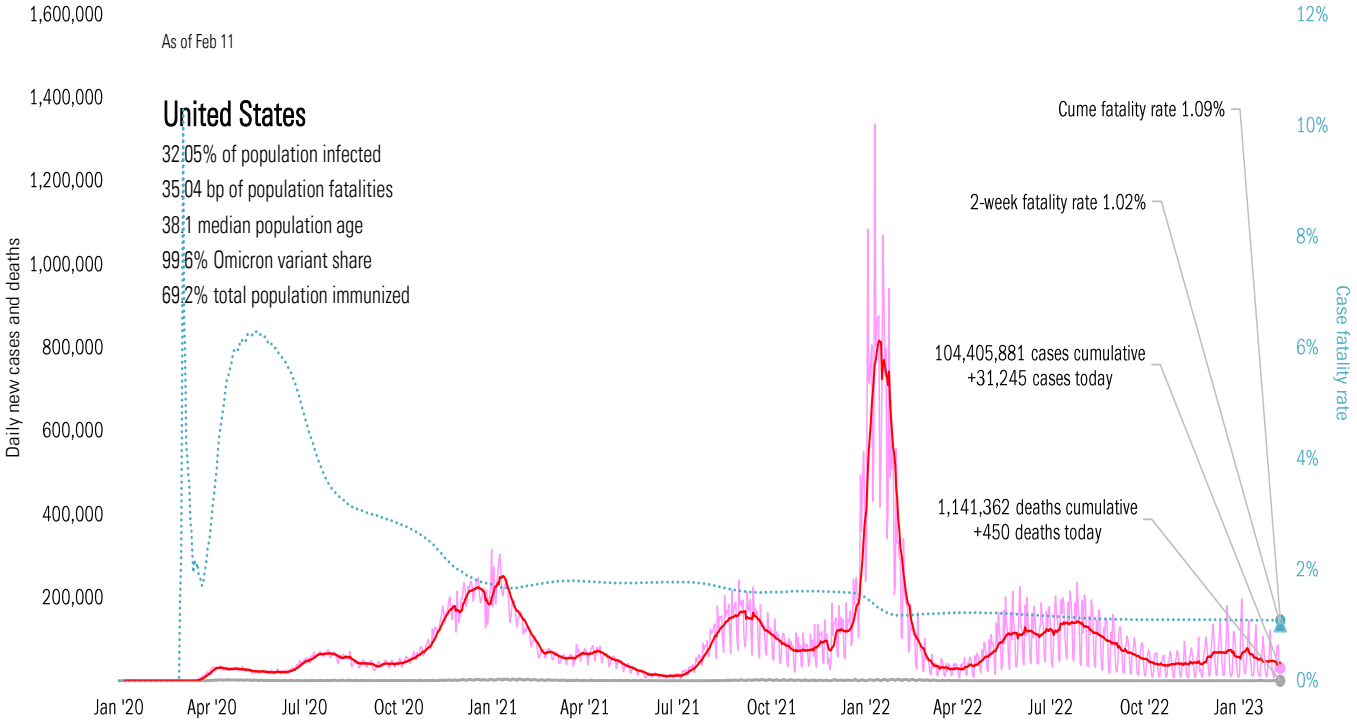
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
FL	5,700	FL	49	CA	470	CA	12,031,907	CA	100,300	TX	585,343	DE	129%	DE	115%
NC	1,781	VA	39	NJ	176	TX	8,399,403	TX	92,908	CA	562,320	RI	89%	TX	88%
PA	1,593	CO	32	IL	149	FL	7,483,857	FL	85,710	FL	529,706	MA	87%	AK	88%
NJ	1,521	NY	32	TN	84	NY	6,744,923	NY	76,775	NY	351,254	DC	86%	AL	86%
IL	1,462	SC	26	TX	336	IL	4,040,139	PA	49,921	OH	242,422	MN	85%	RI	86%
AL	1,403	NC	19	AL	71	PA	3,490,499	GA	42,161	GA	240,673	WA	84%	MS	83%
NY	1,352	MA	19	MI	102	NC	3,438,259	MI	41,809	PA	228,476	MD	84%	NM	83%
OH	1,262	PA	19	IN	70	OH	3,364,860	OH	41,535	IL	211,738	MO	84%	AR	83%
LA	996	MI	17	MD	71	GA	3,042,823	IL	41,261	MI	179,536	AK	82%	NC	83%
GA	993	WI	16	PA	178	MI	3,036,304	NJ	35,866	NJ	161,628	NC	82%	OK	83%
	18,064		267		1,707		55,072,974		608,246		3,293,096				
All states	31,245		450		3,795	All states	104,405,881		1,141,362		5,967,478	All states	70%		67%
Top ten	58%		59%		45%	Top ten	54%		55%		55%	Median	78%		77%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-3,185	CA	-35	OH	-42
NY	-1,719	ME	-3	OR	-20
NM	-99	MO	-1	WV	-14
MO	-85	AK	0	FL	-12
CT	-32	AL	0	MS	-10



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

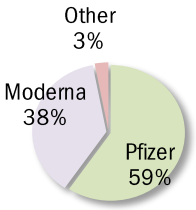
Rolling out the vaccines in the US and the world

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

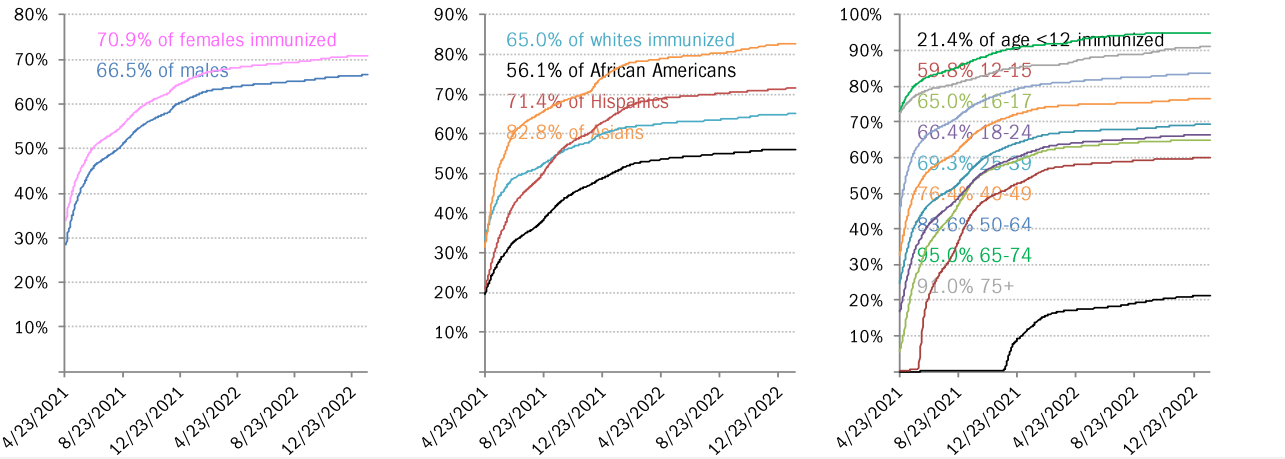
"Immunity" = two doses

Best
Middle
Worst

As of Feb 10

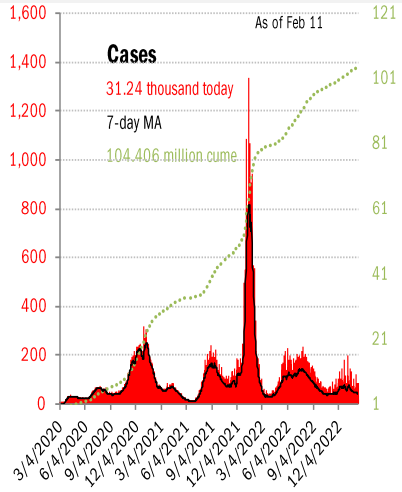
AK					WI					ME
73.0%					75.1%					95.0%
65.1%					68.2%					83.3%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.2%	63.9%	68.2%	69.3%	78.8%	79.1%	69.4%		94.4%	95.0%	88.1%
76.0%	56.4%	59.1%	58.6%	72.1%	71.3%	62.3%		80.8%	85.6%	71.9%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.6%	77.6%	60.8%	83.8%	70.6%	64.4%	65.7%	90.5%	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%

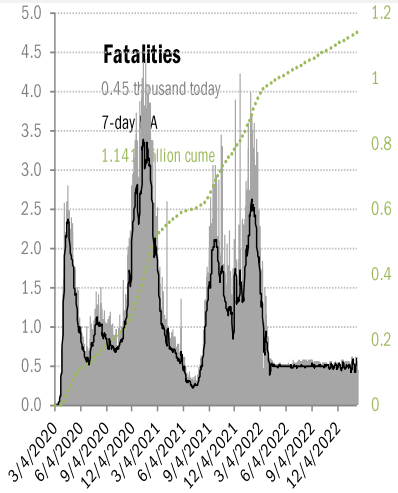
The demographics of US vaccination

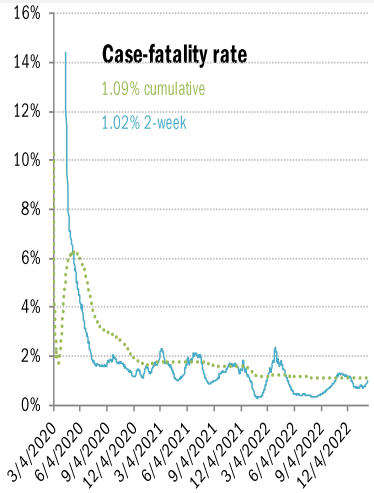


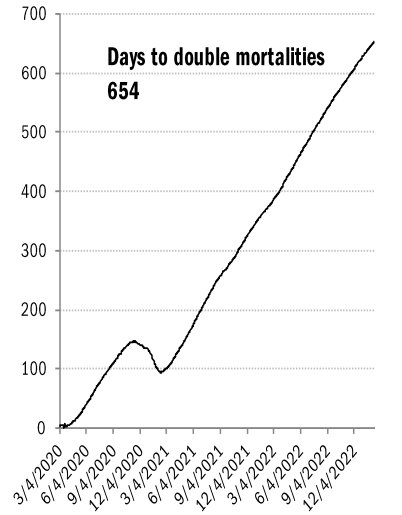
Source: CDC, CDC, Our World in Data, TrendMacro calculations

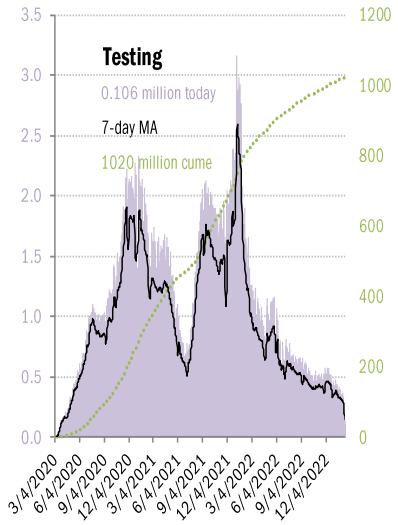
US deep-dive

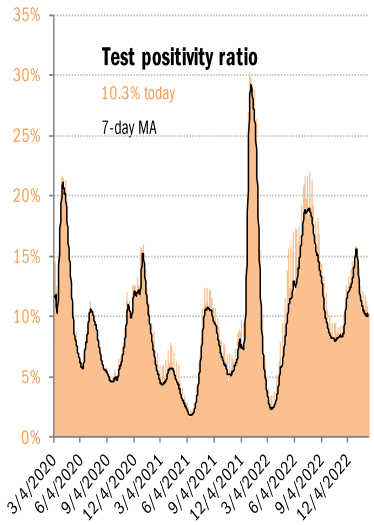


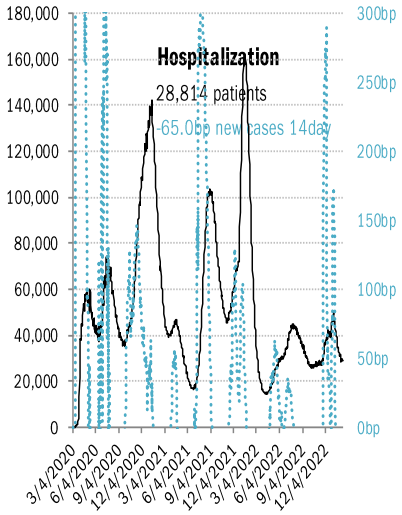


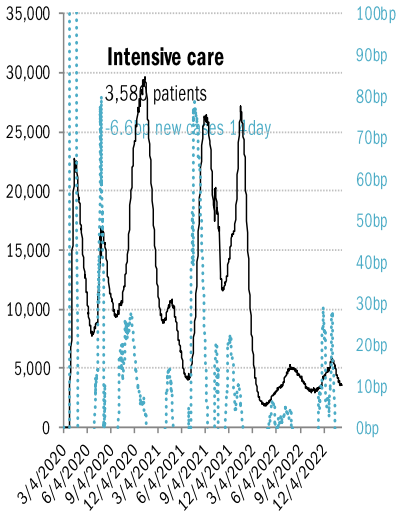


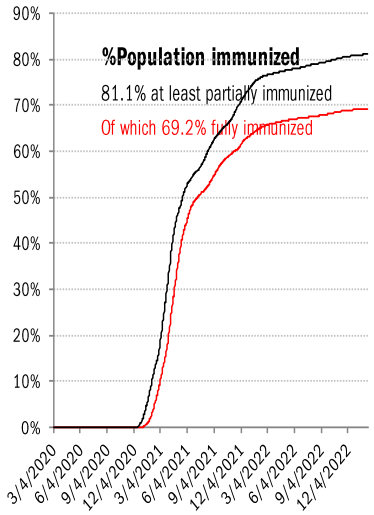












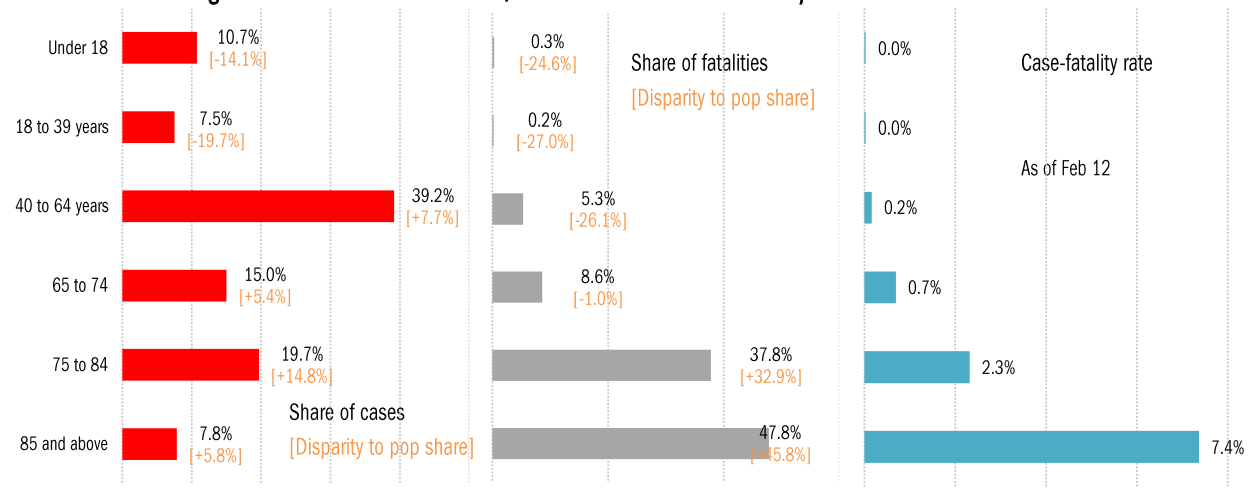
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

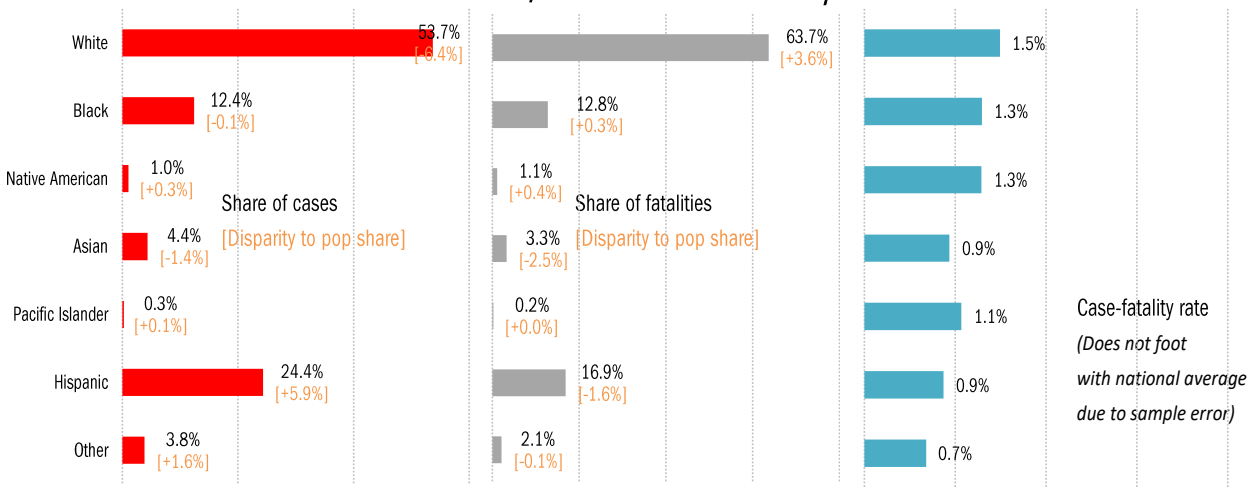
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



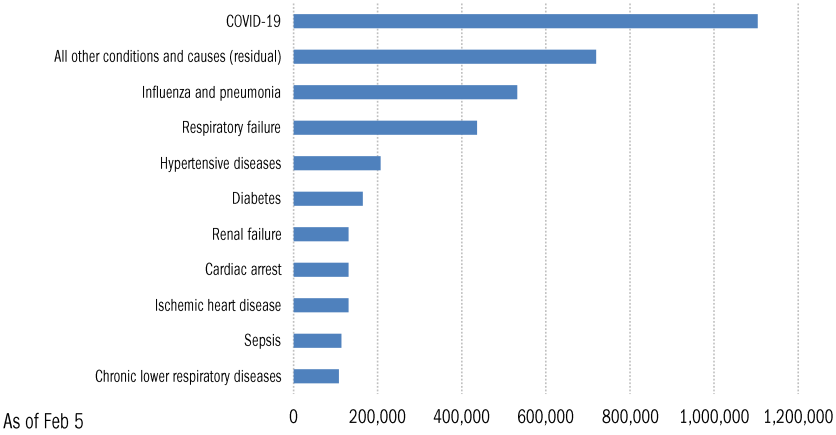
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[New York State to Drop Requirement That Masks Be Worn in Hospitals]
Lola Fadulu
New York Times
February 10, 2023

[What funeral directors know that you don't]
Steve Kirsch
Steve Kirsch's Newsletter
February 11, 2023

[The good news: death rates have now fallen far below normal. The bad news: only in Bulgaria.]
Alex Berenson
Unreported Truths
February 10, 2023

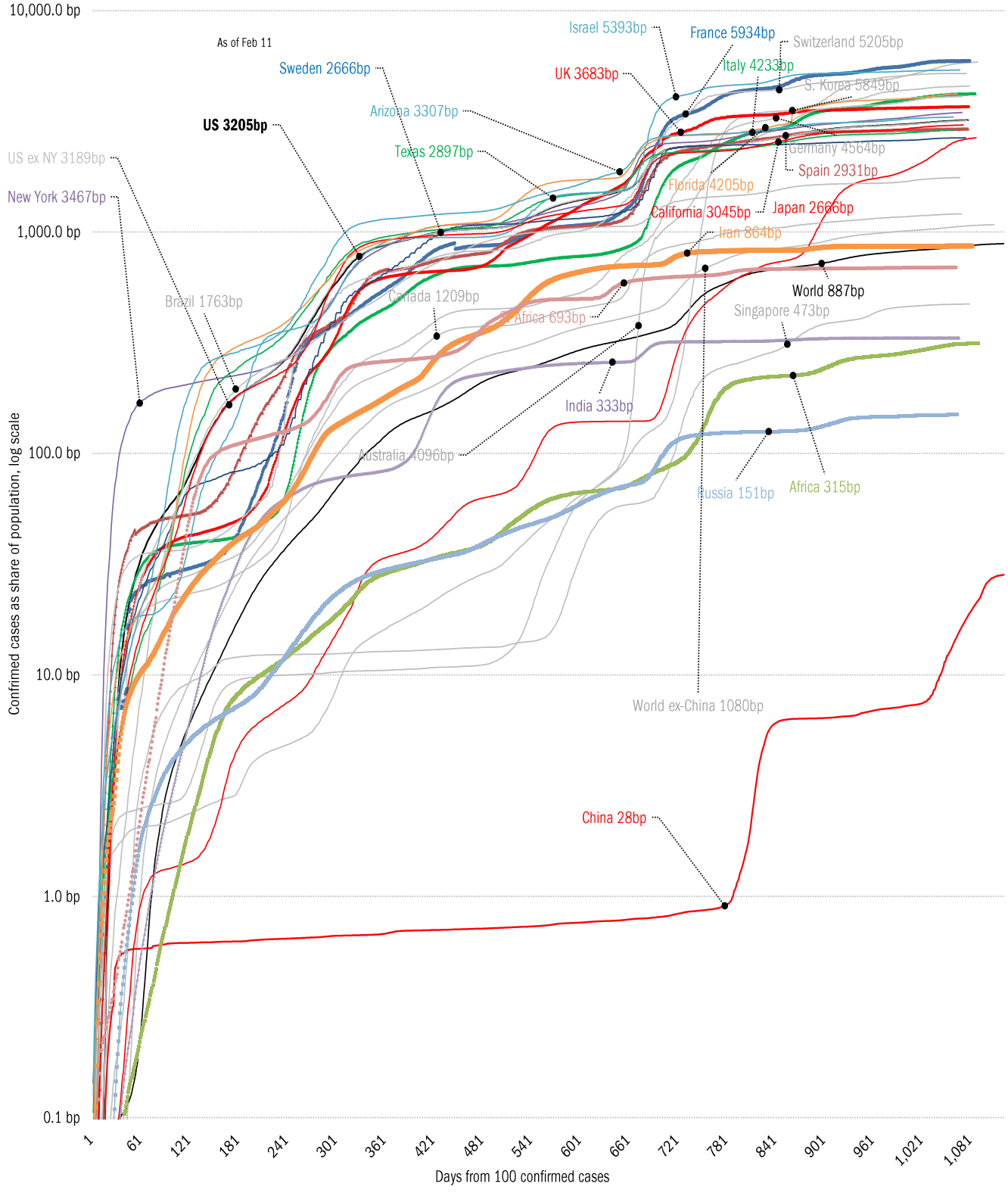
[Scientists discover receptor that blocks COVID-19 infection]
University of Sydney
February 9, 2023

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

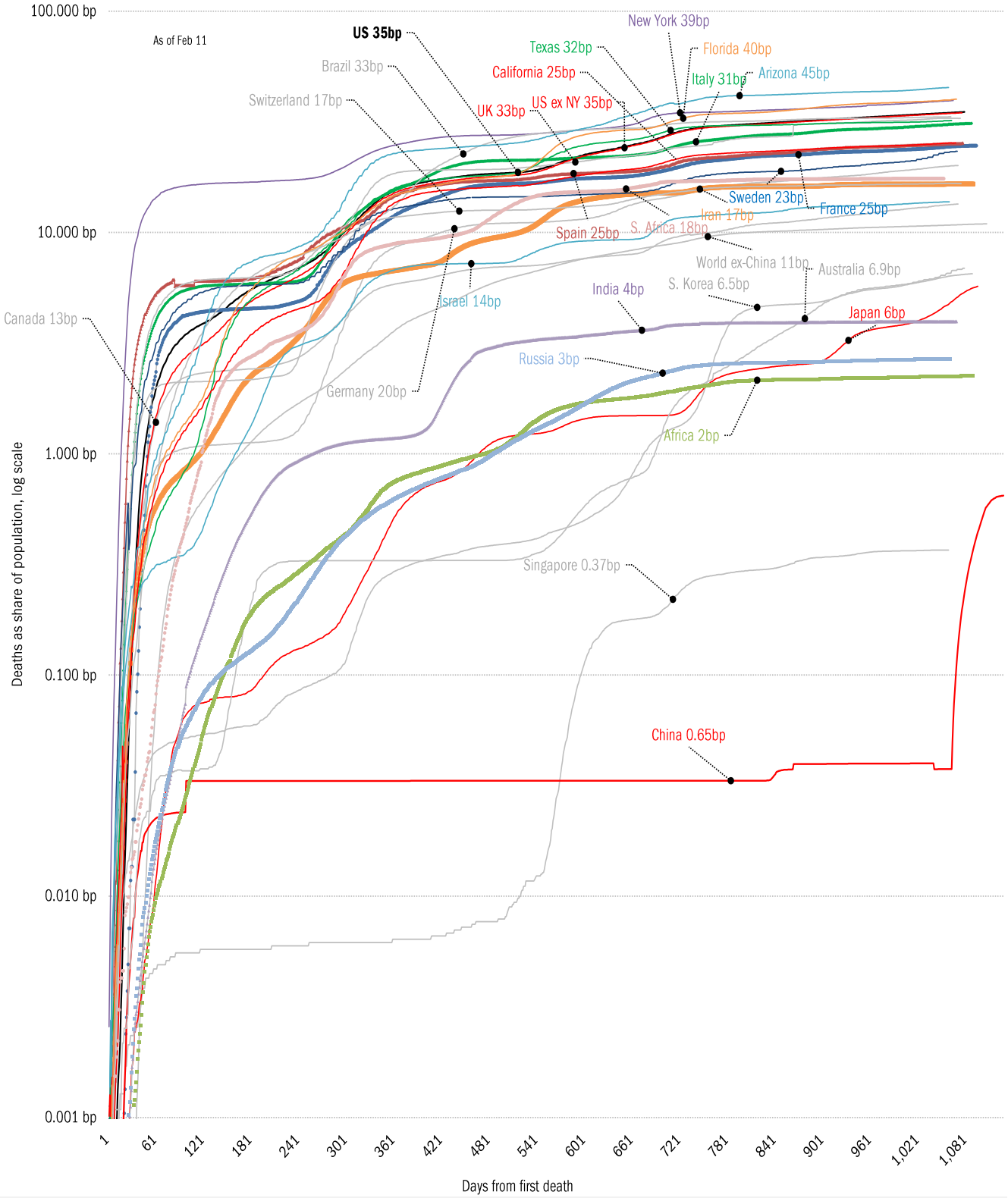
Share of infected population from first day with 100 confirmed cases, log scale



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

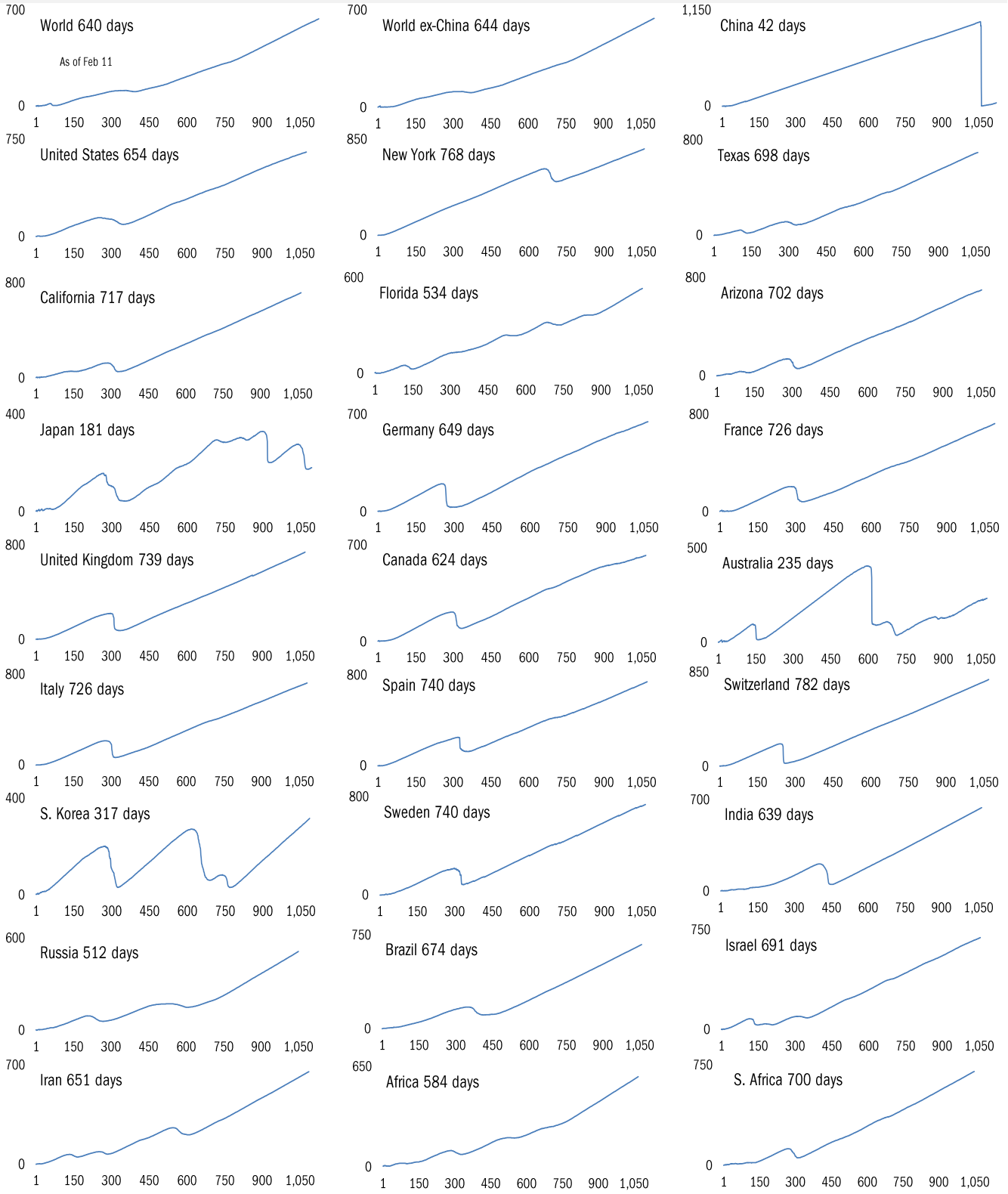


Source: Johns Hopkins, TrendMacro calculations

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

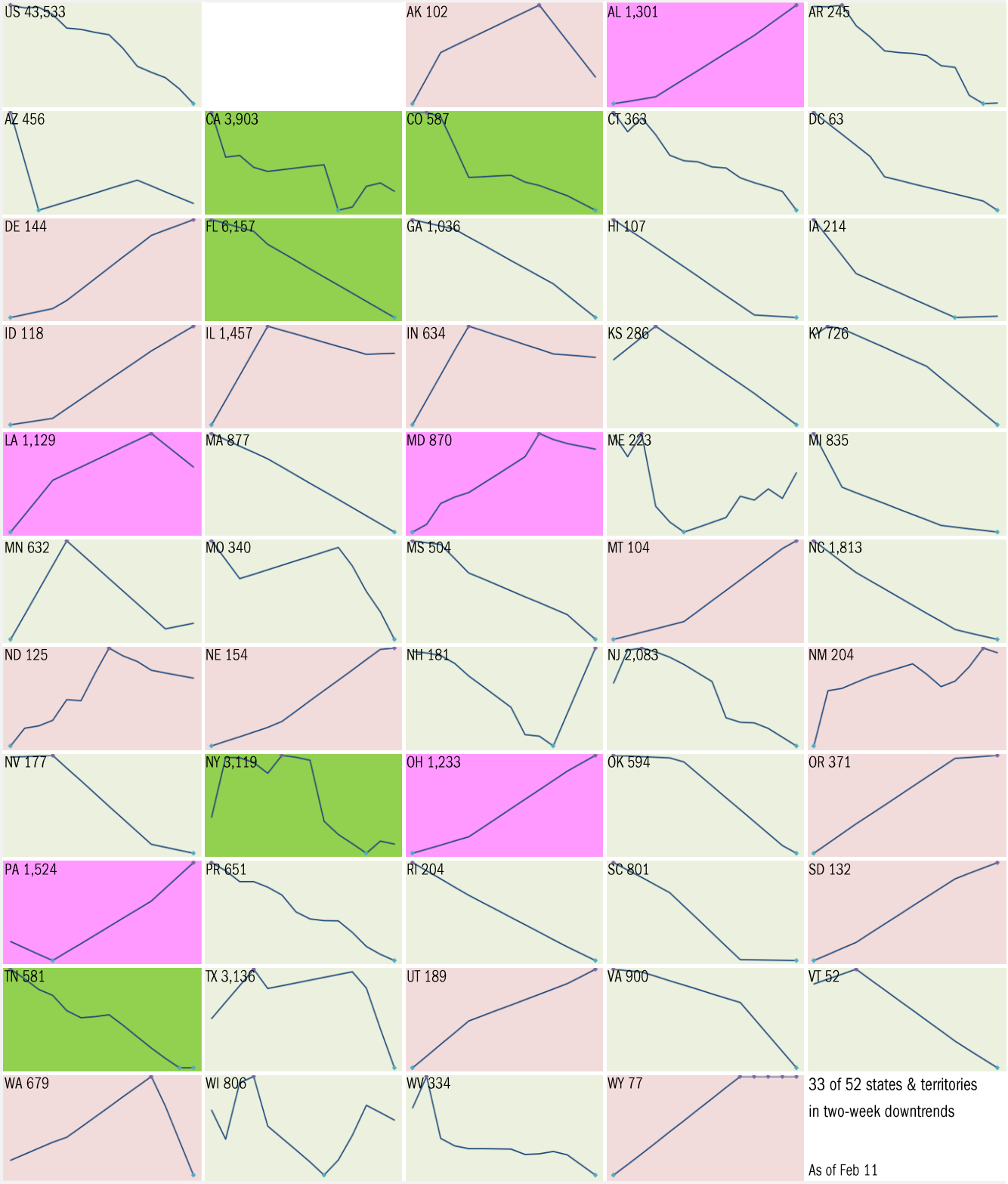


Source: Johns Hopkins, TrendMacro calculations

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

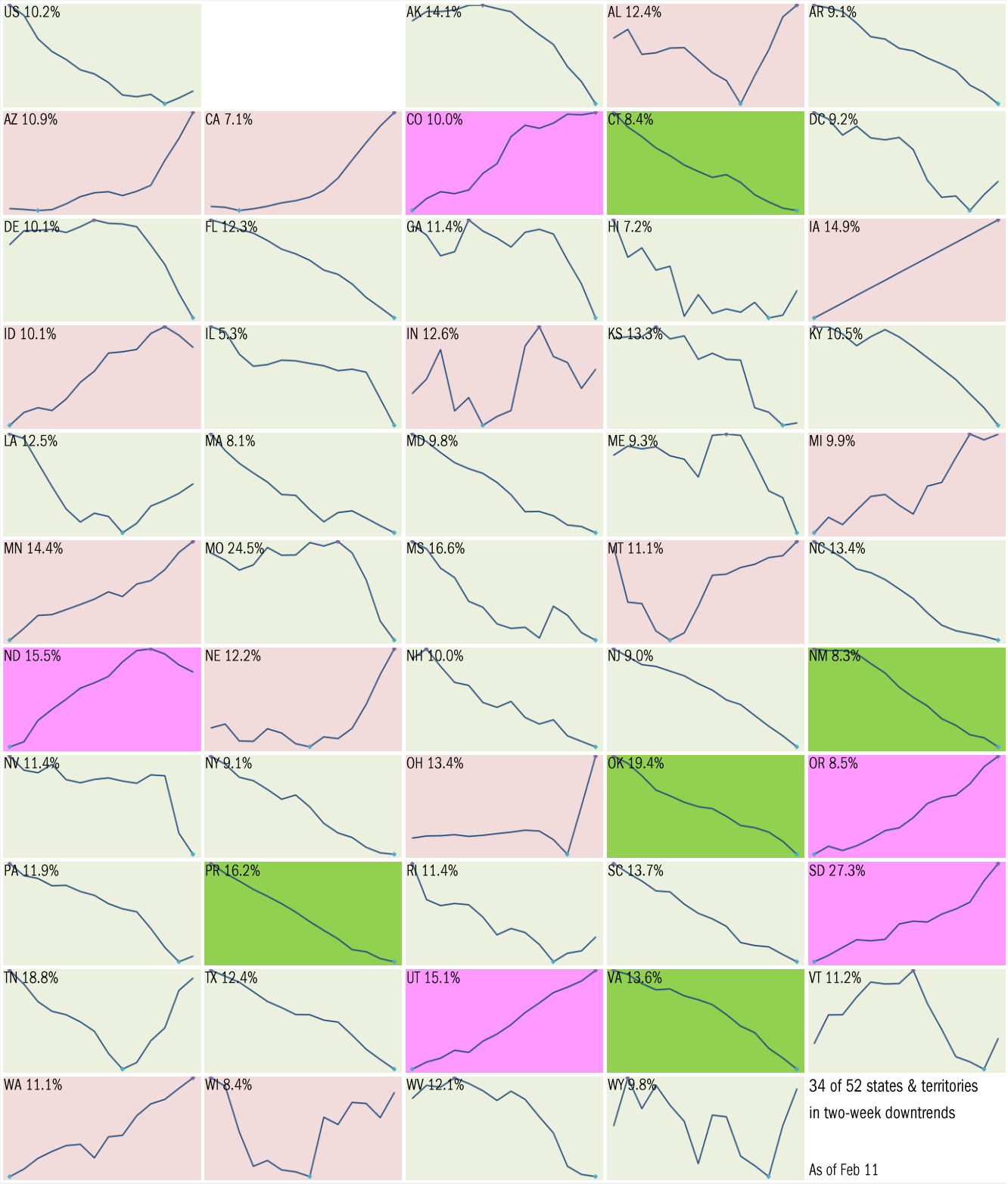


Source: Johns Hopkins, TrendMacro calculations

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

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

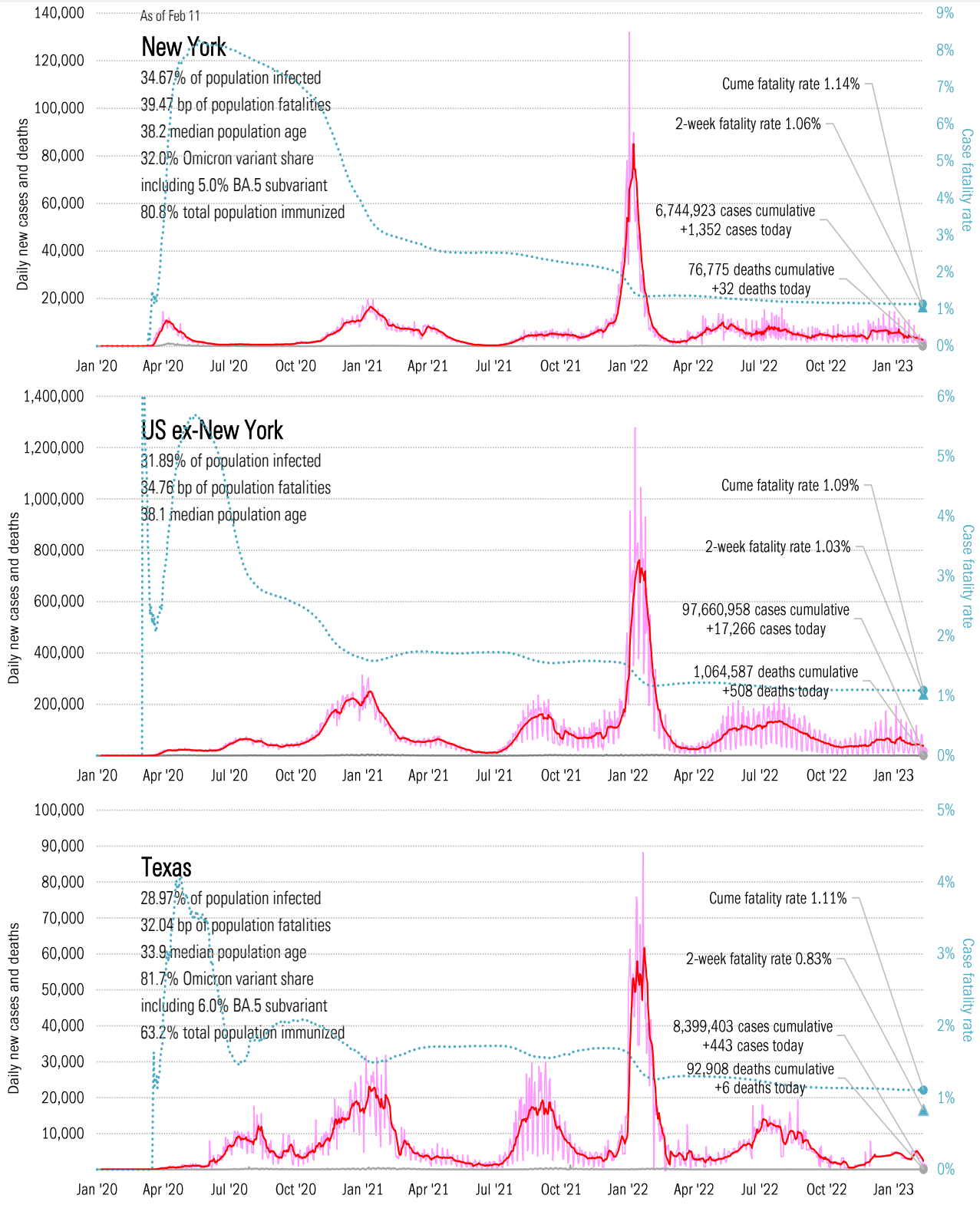
Downward trajectory | Five best | Upward trajectory | Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

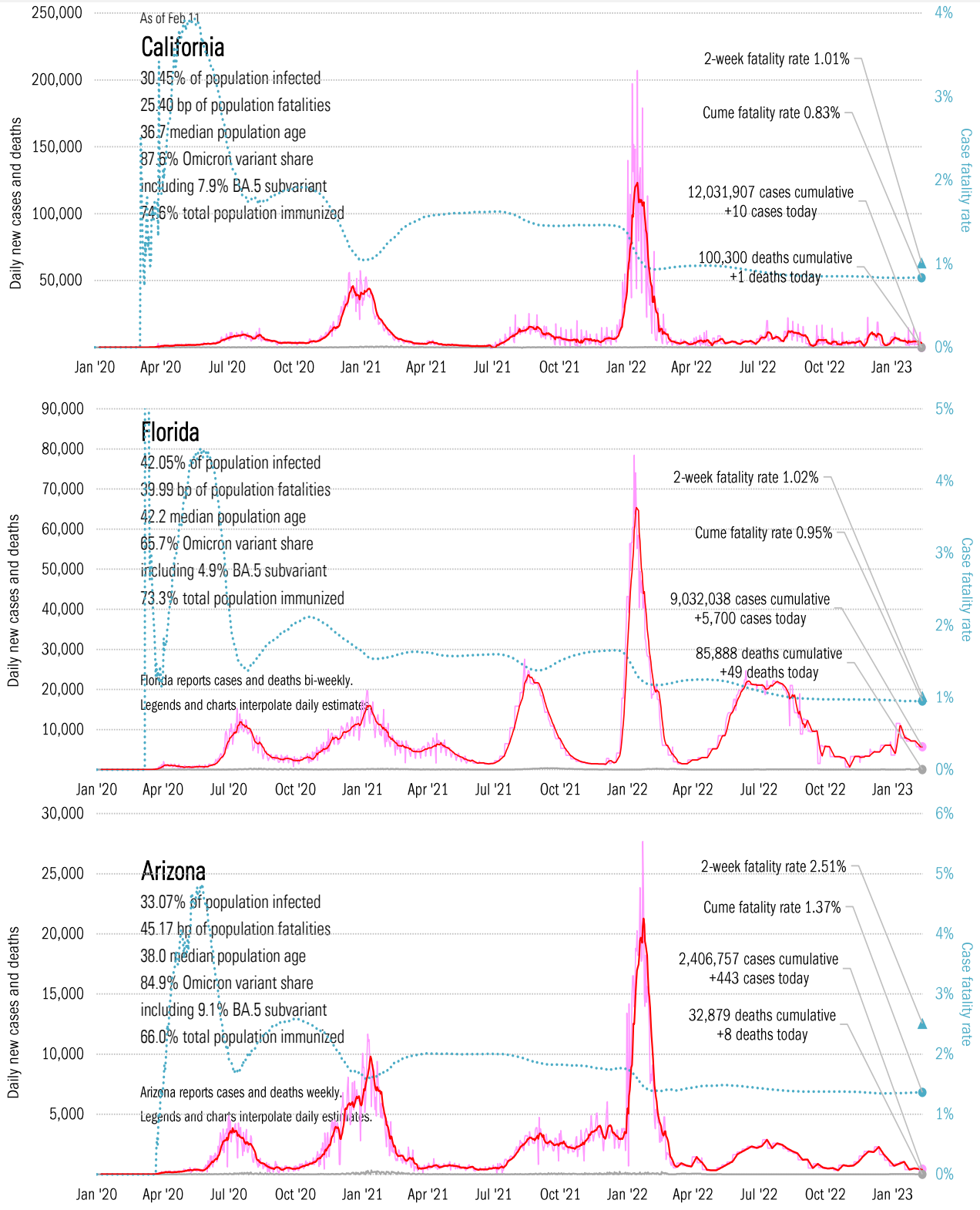
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

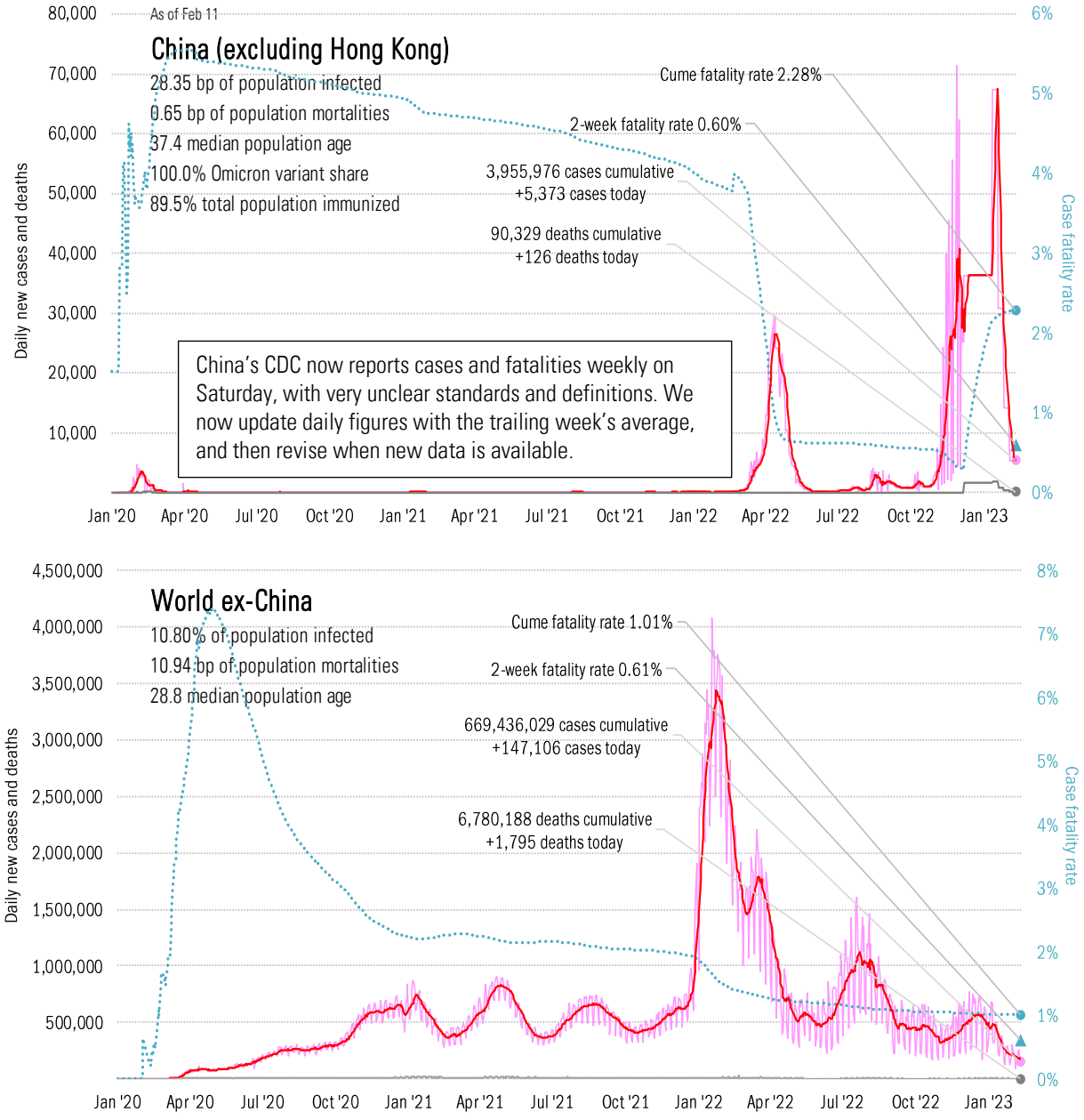
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

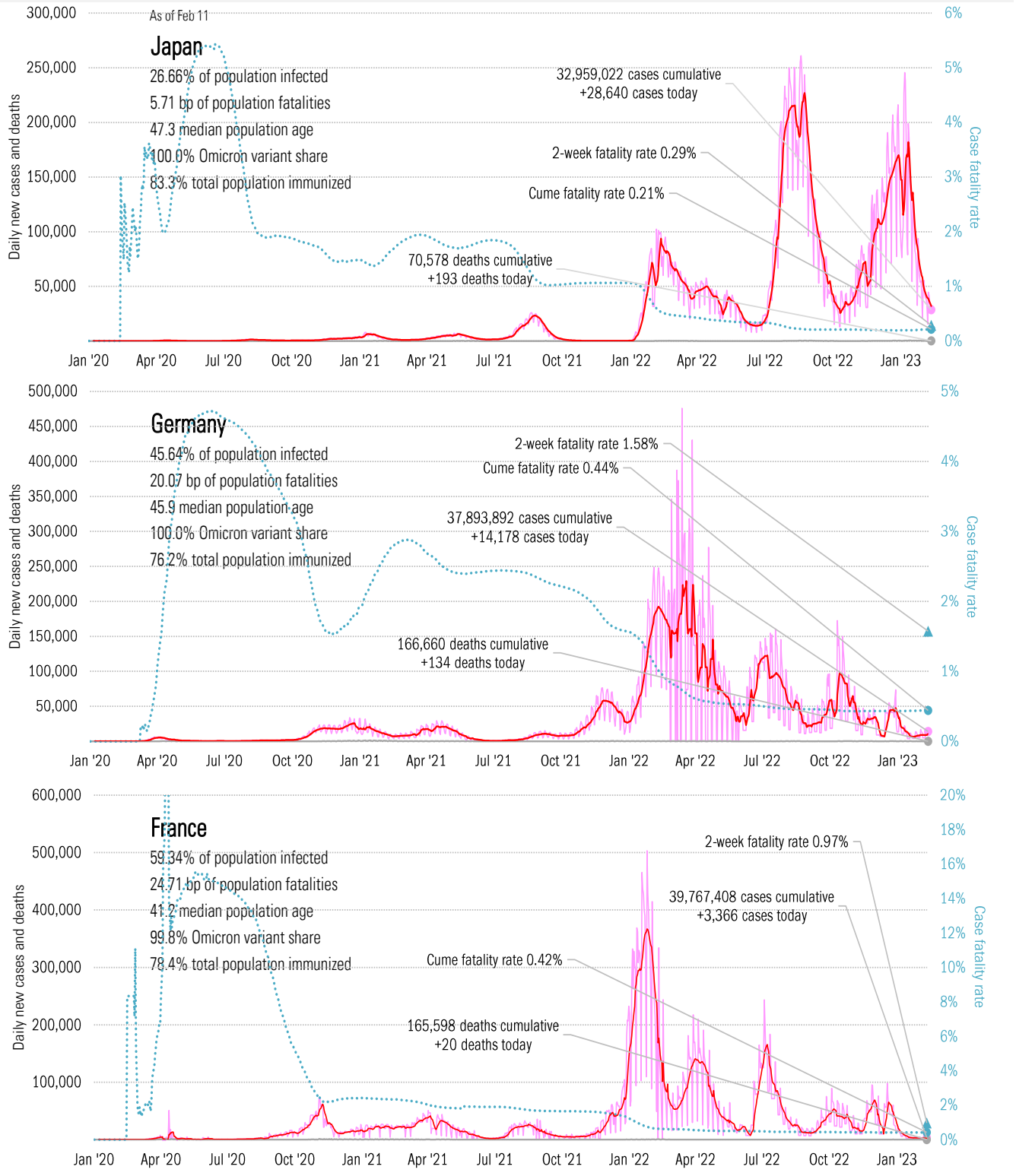
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, China CDC, TrendMacro calculations

Impact in the largest economies

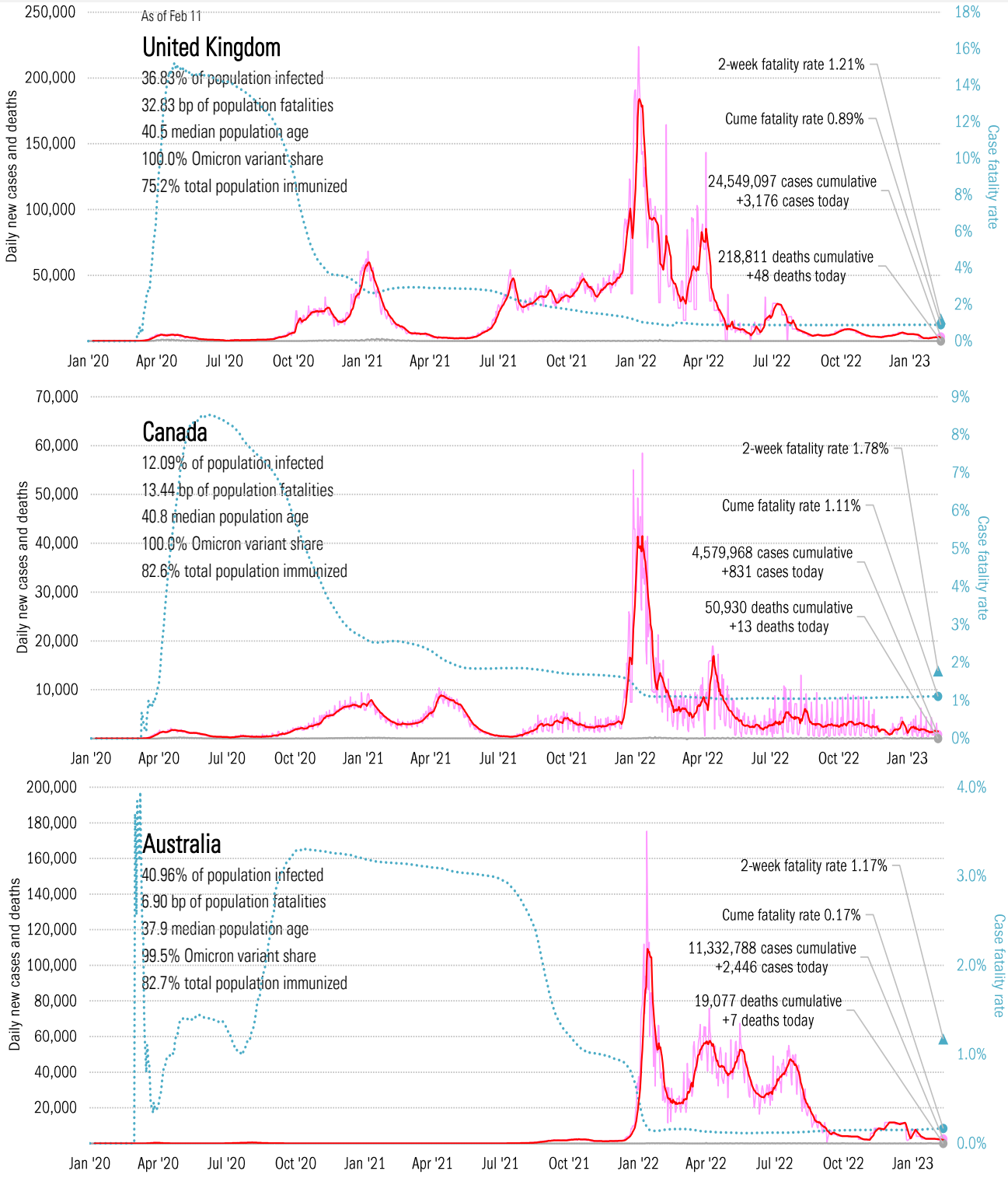
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

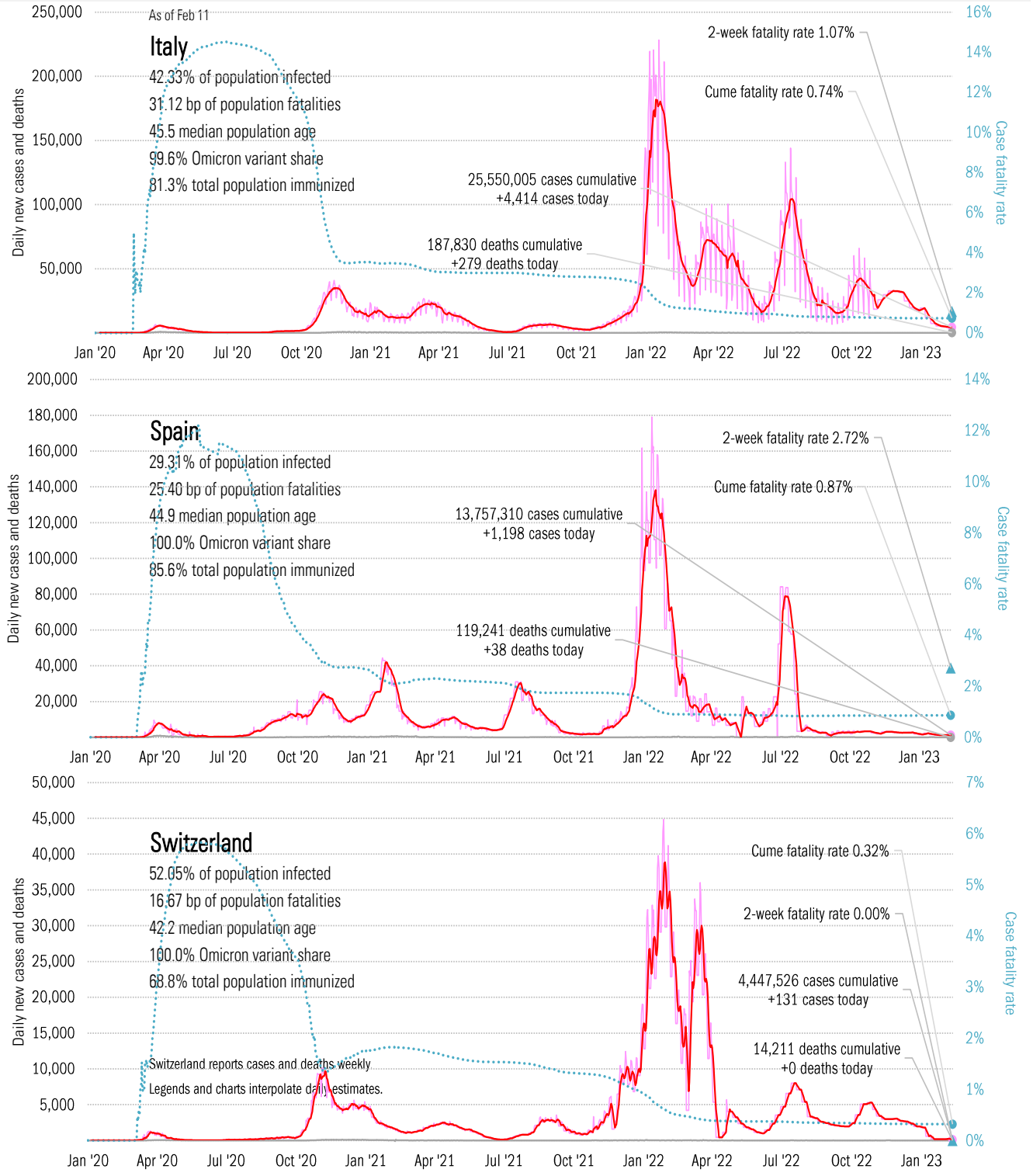
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

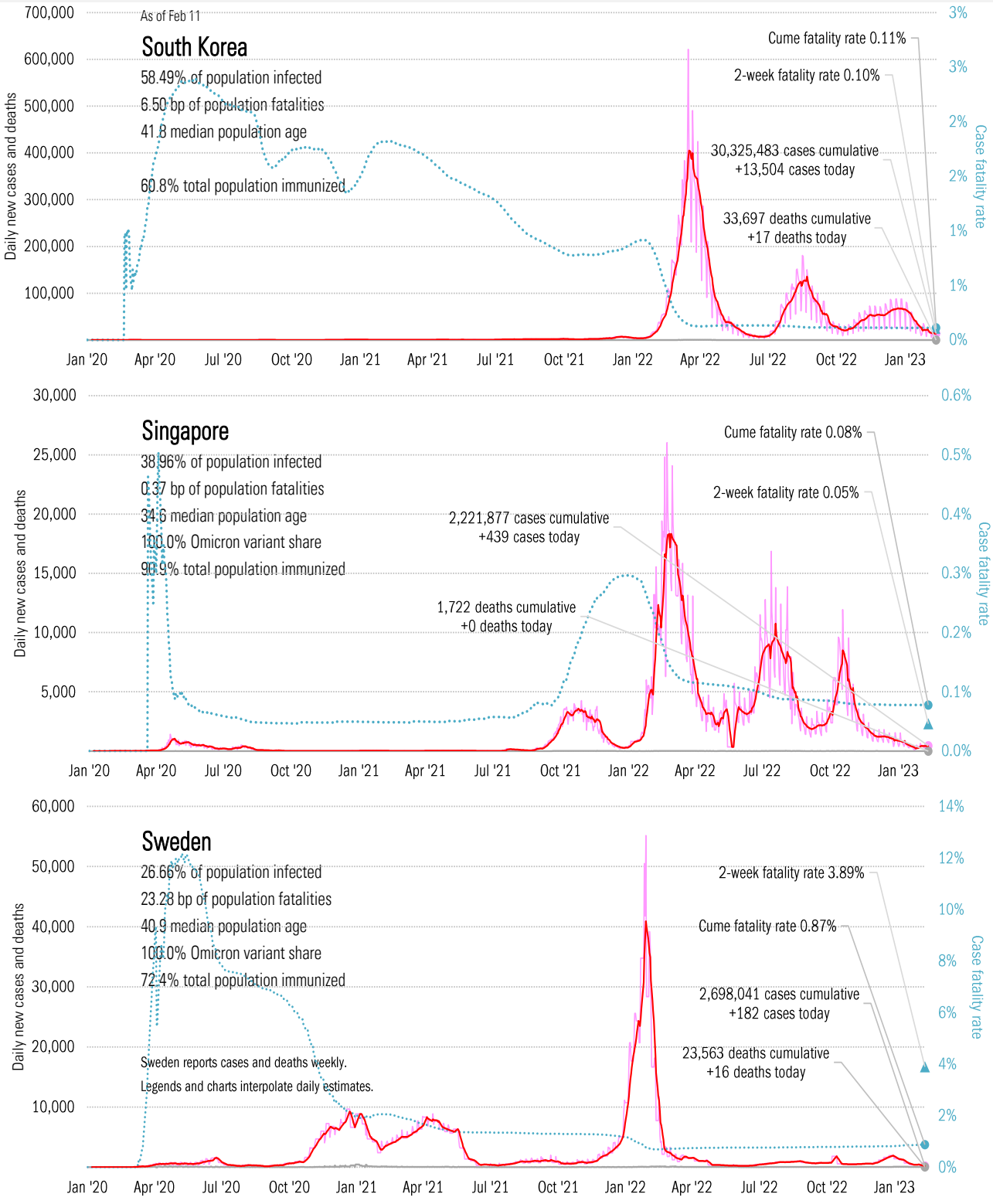
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

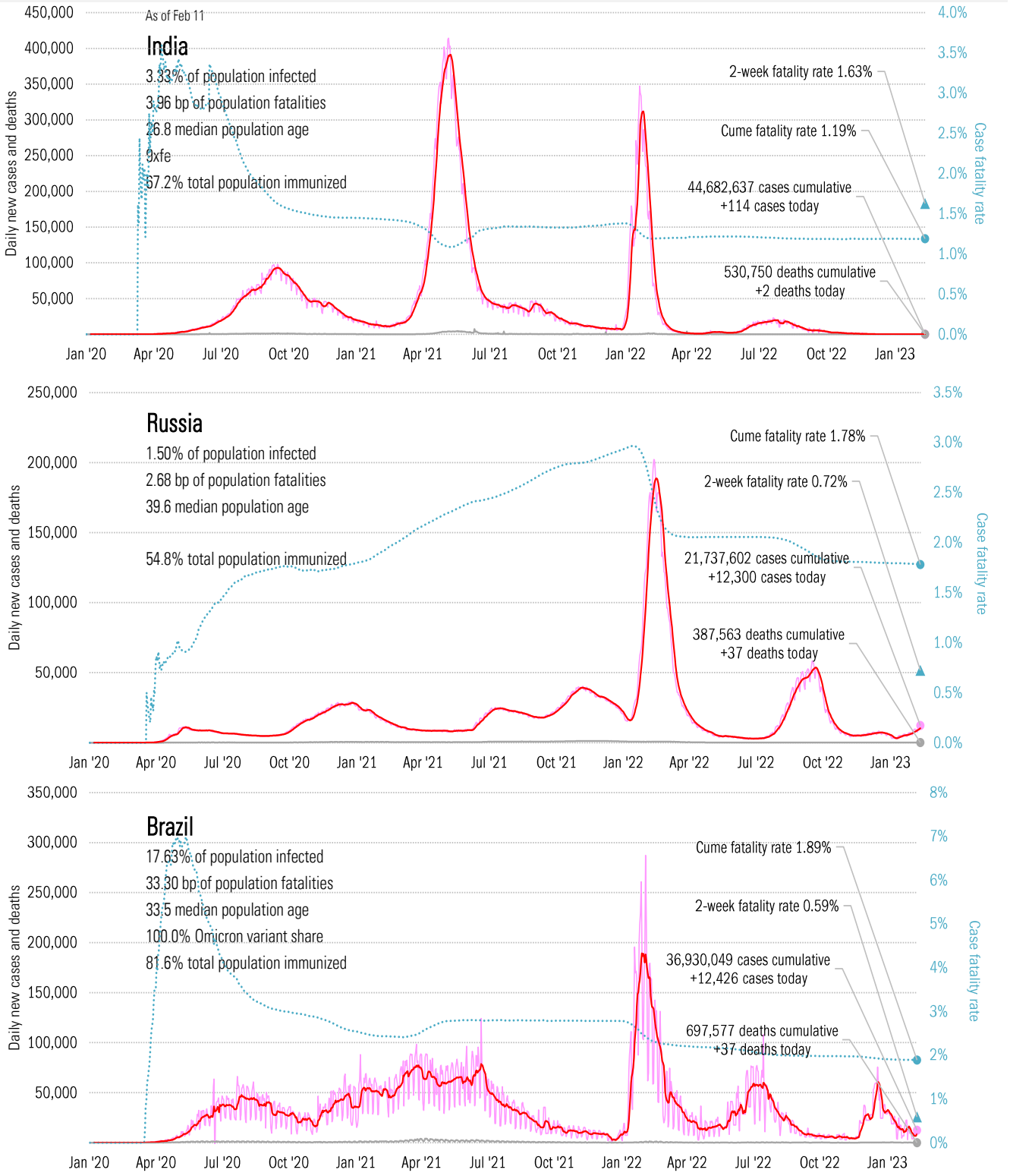
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

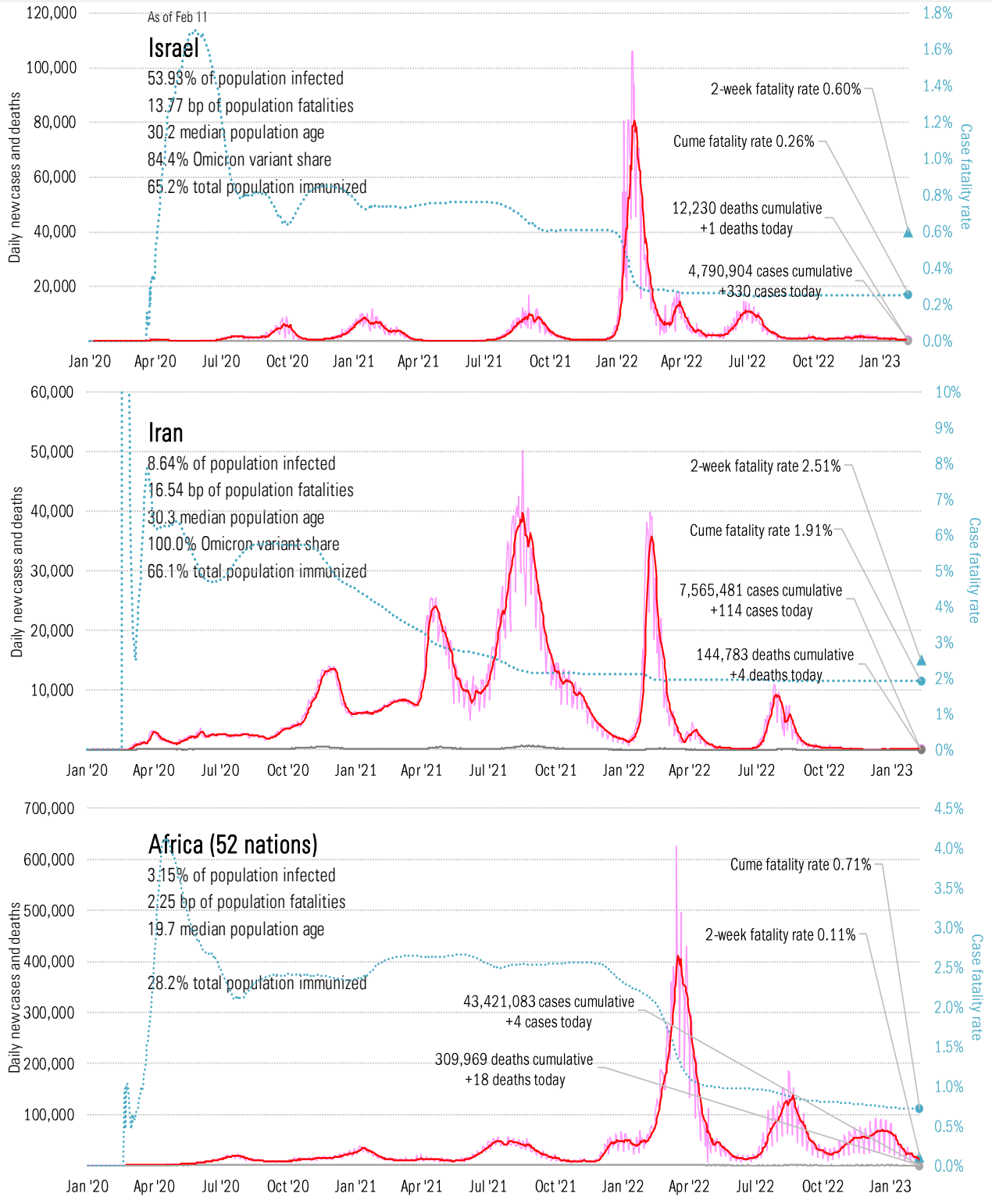
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

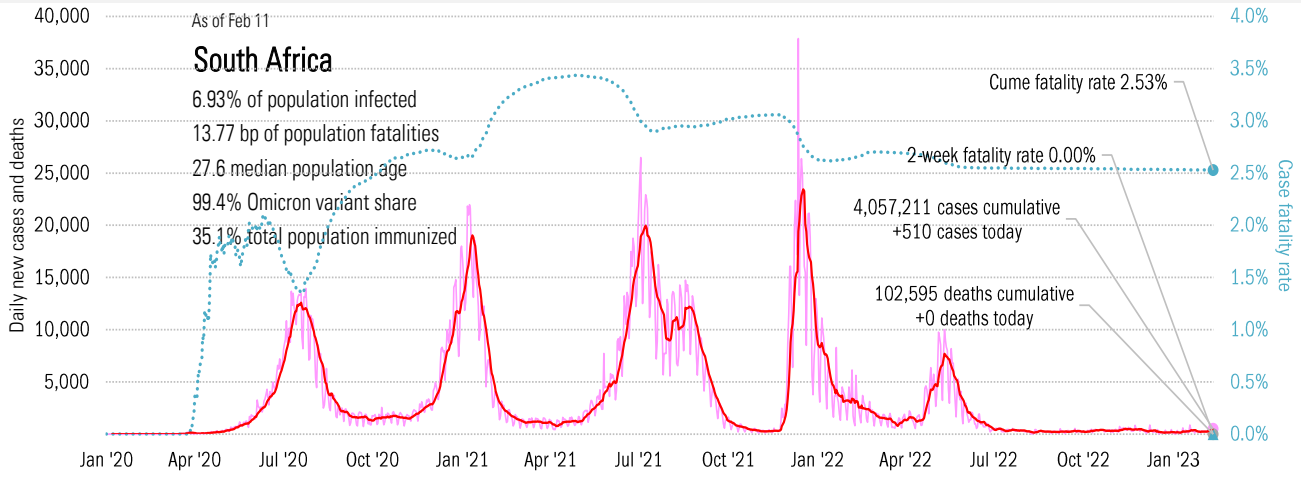
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, Trend Macro calculations