Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

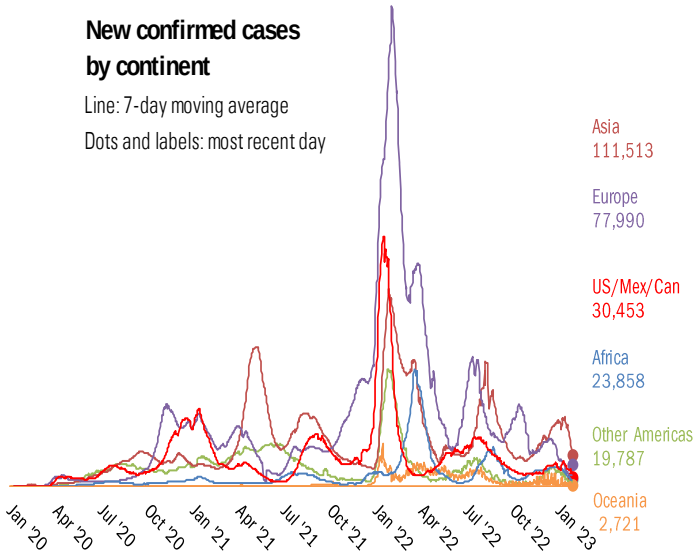
Saturday, January 28, 2023

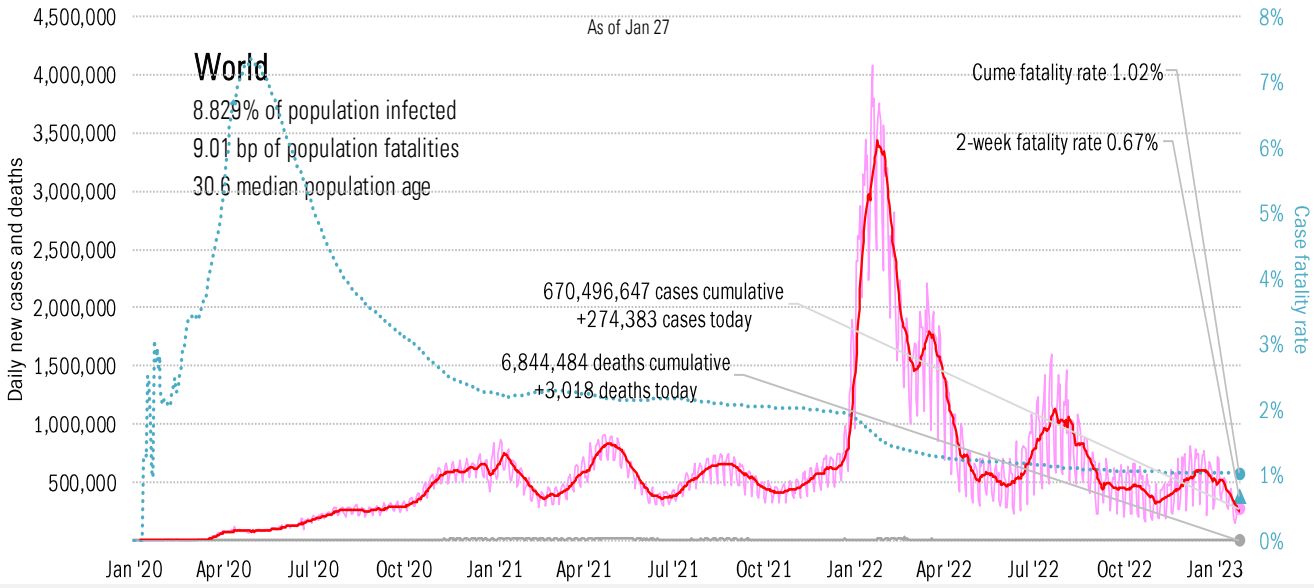
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries (see China note page 14)

New cases		New Deaths	
Japan	53,911	China	909
United States	42,354	United States	454
China	30,851	Japan	343
Taiwan*	24,348	United Kingdom	144
Korea, South	23,367	Brazil	139
Brazil	22,590	Germany	127
Germany	11,317	Mexico	61
Spain	8,801	Italy	49
Russia	7,112	France	44
Italy	5,451	Paraguay	42
	230,103		2,312
World	274,383	World	3,018
Top ten	84%	Top ten	77%





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

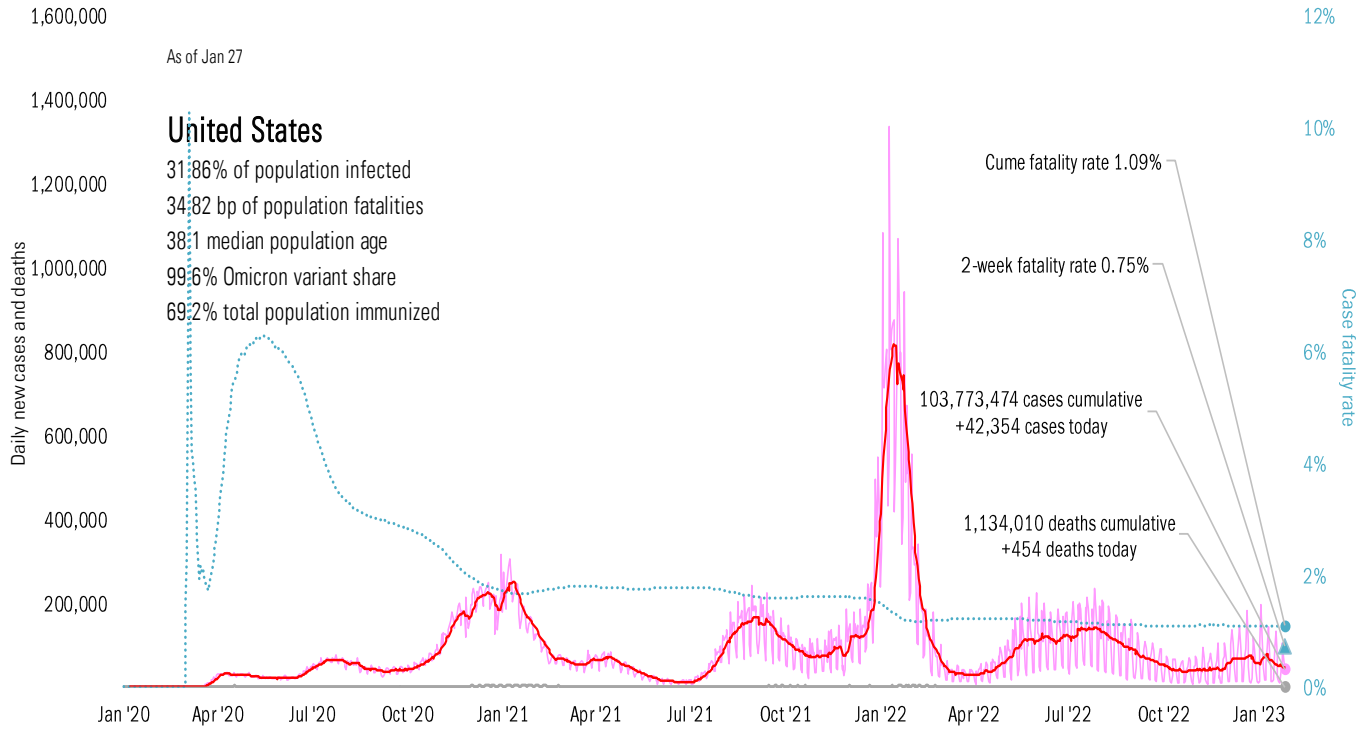
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
FL	7,177	MI	37	PA	199	CA	11,983,168	CA	100,027	TX	580,588	RI	89%	TX	88%
CA	4,383	PA	34	MI	90	TX	8,353,147	TX	92,561	CA	556,235	MA	87%	NH	88%
NJ	2,305	CO	29	OR	39	FL	7,443,954	FL	84,927	FL	525,316	DE	86%	NC	86%
NC	2,054	MA	27	MN	62	NY	6,699,587	NY	76,255	NY	346,898	MD	86%	DC	85%
NY	1,798	SC	24	TN	92	IL	4,019,768	PA	49,633	OH	240,507	MN	85%	RI	84%
IL	1,561	AZ	21	CA	435	PA	3,469,076	GA	41,915	GA	238,917	NH	85%	MA	84%
VA	1,516	TX	21	ID	20	NC	3,412,542	MI	41,445	PA	225,904	WA	84%	AK	83%
PA	1,431	GA	20	RI	18	OH	3,347,767	OH	41,355	IL	209,278	DC	84%	MS	82%
SC	1,411	CA	18	ME	21	GA	3,027,856	IL	41,088	MI	178,269	MO	83%	AL	82%
CO	1,278	VA	18	NM	22	MI	3,024,478	NJ	35,774	NJ	159,252	NC	83%	MO	82%
	24,914		248		998		54,781,343		604,980		3,261,164				
All states	42,354		454		4,039	All states	103,773,474		1,134,010		5,912,370	All states	70%		67%
Top ten	59%		55%		25%	Top ten	54%		55%		55%	Median	79%		77%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-2,764	NY	-22	FL	-65
CA	-1,286	WI	-17	OK	-46
WA	-670	AR	-15	MS	-36
MO	-619	NJ	-7	MD	-31
AR	-314	TX	-5	IA	-29



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

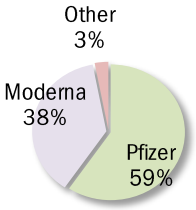
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	685,516,741				+0.147 million
				Of which boosters:	+0.115 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	277,346,324	83%	236,447,801	71%	+0.017 million
Age 12 to 17	18,446,236	73%	15,790,380	62%	+0.001 million
Age 18 to 64	184,412,810	91%	156,755,065	77%	+0.009 million
Age 65 and over	61,023,896	100%	53,463,192	98%	+0.003 million

Immunity	Full	Partial
US	69.1%	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	67.1%	72.5%
Brazil	81.5%	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

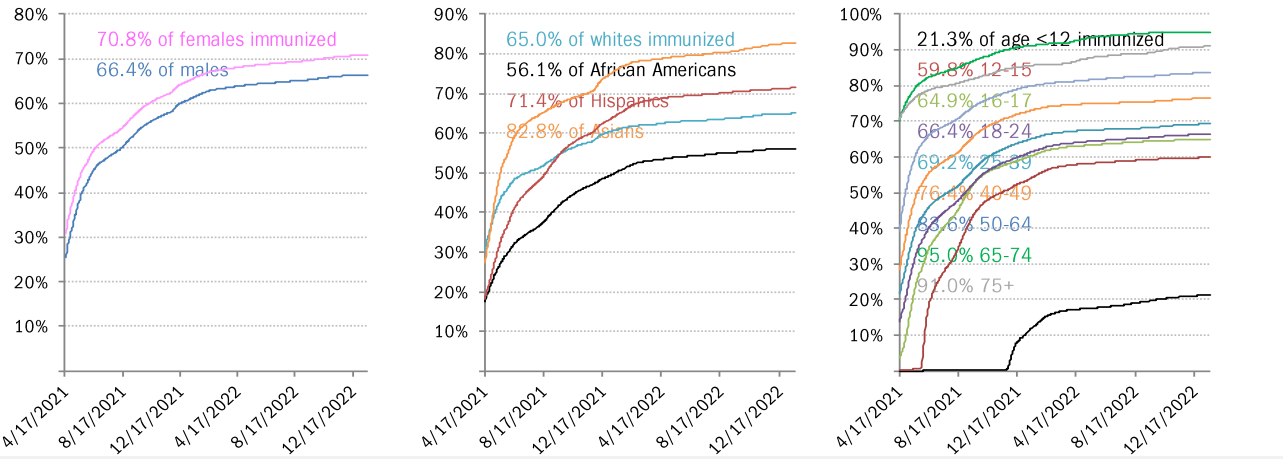
"Immunity" = two doses

Best
Middle
Worst

As of Jan 27

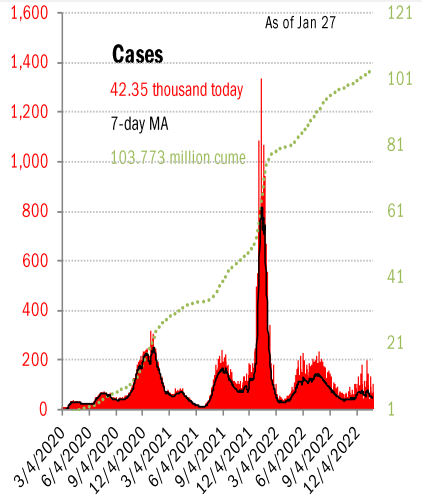
					WI					ME
					75.0%					95.0%
					68.1%					83.2%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
85.1%	63.8%	68.2%	69.3%	78.7%	79.0%	69.4%		94.3%	95.0%	88.0%
75.9%	56.4%	59.1%	58.6%	72.0%	71.1%	62.3%		80.7%	85.5%	71.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.5%	77.5%	60.8%	83.7%	70.6%	64.3%	65.7%	90.4%	94.5%	95.0%	
72.3%	63.6%	53.0%	66.2%	64.3%	57.7%	60.4%	73.2%	79.0%	84.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.6%	75.1%	83.5%	73.3%	69.2%	68.8%	67.4%	90.9%	91.6%	95.0%	95.0%
74.6%	66.6%	73.4%	66.2%	59.0%	59.6%	59.6%	76.5%	79.6%	82.9%	87.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	77.4%	94.2%	76.1%	69.8%	64.4%	92.0%	70.9%	95.0%	88.1%	
	65.9%	75.1%	65.2%	56.8%	56.2%	67.0%	59.8%	90.2%	73.2%	
			OK	LA	MS	AL	GA			
			74.5%	62.7%	61.6%	64.9%	68.3%			
			60.4%	55.0%	53.6%	53.1%	57.2%			
HI			TX					FL		PR
91.3%			76.3%					82.4%		90.8%
81.4%			63.2%					69.3%		83.9%

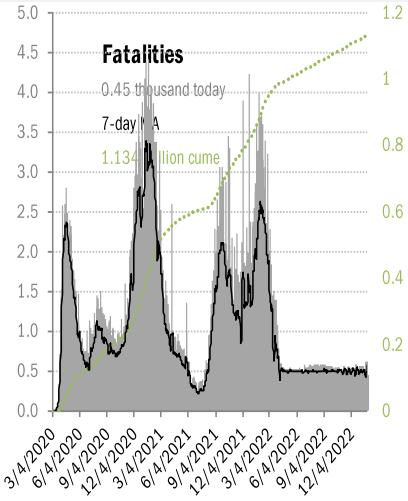
The demographics of US vaccination

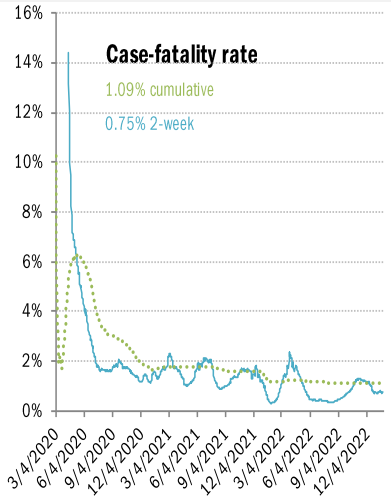


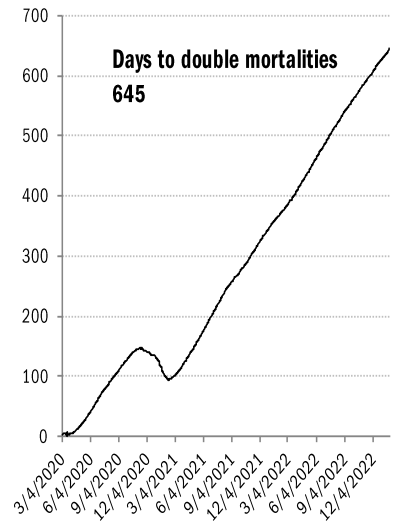
Source: CDC, CDC, Our World in Data, TrendMacro calculations

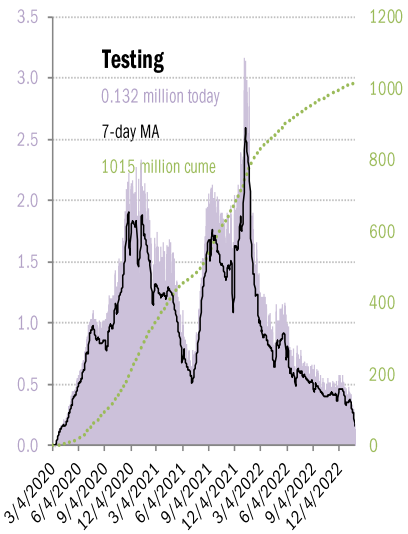
US deep-dive

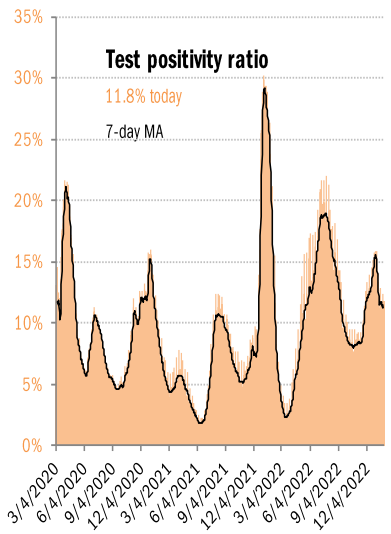


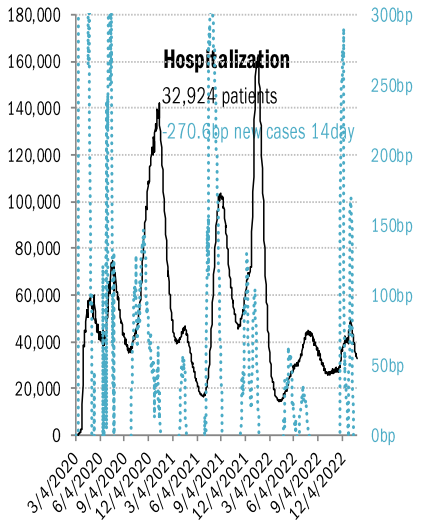


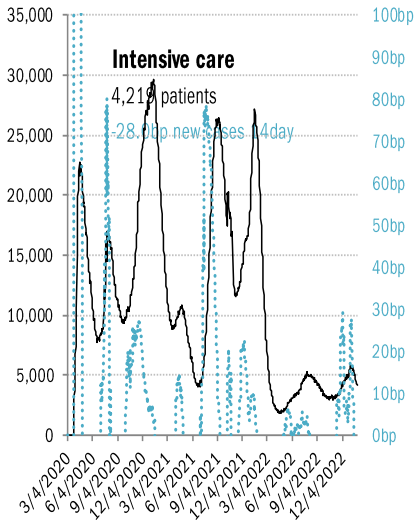


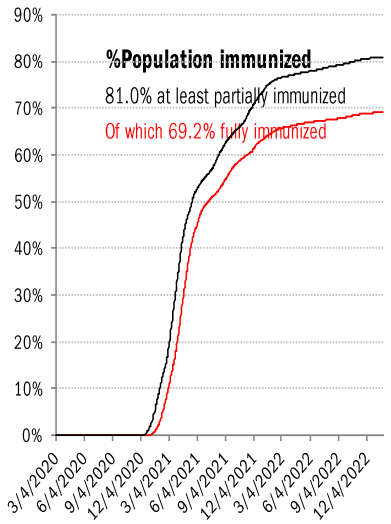












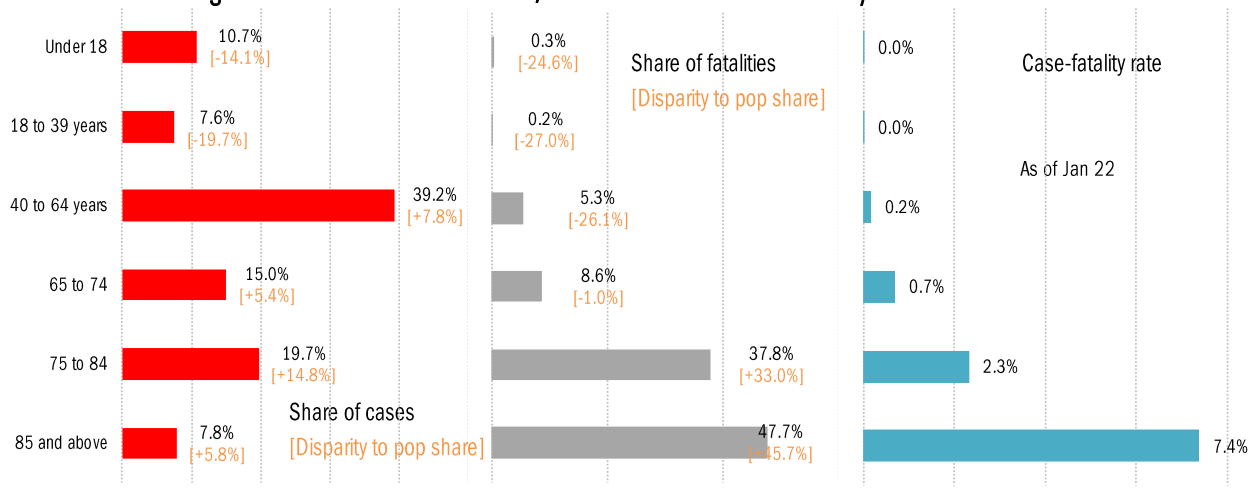
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

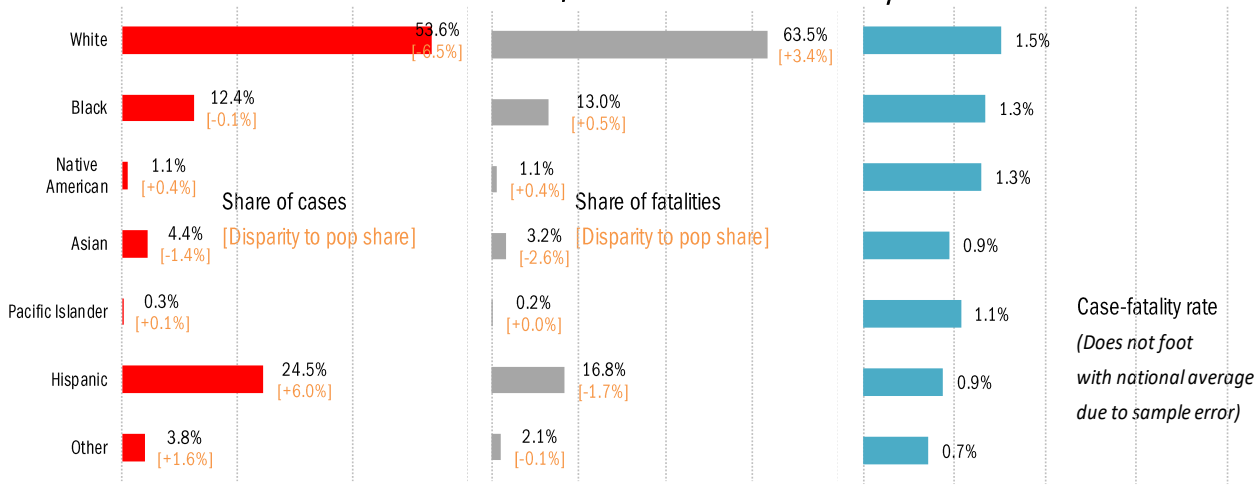
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



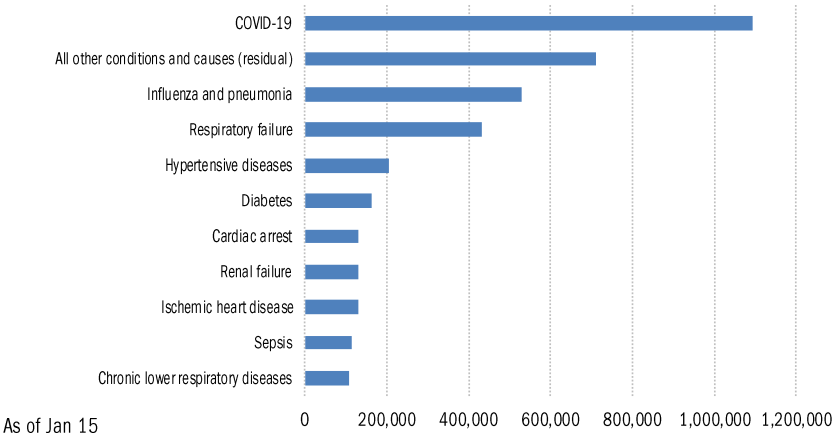
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jan 15

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

[While animal origin of Covid-19 remains a mystery, will revised law in China help prevent more diseases jumping from wildlife to people?]
Echo Xie
South China Morning Post
January 26, 2023

[Ancient statue of Hercules emerges from Rome sewer repairs]
Lorenzo Tondo
The Guardian
January 27, 2023

[FDA Advisers Vote to Replace Original COVID Vaccine With Bivalent Boosters Despite Lack of Clinical Trial Data]
Brenda Baletti
The Defender
January 27, 2023

[Oversight sets hearing on Covid spending fraud for Feb. 1]
Max Cohen
Punchbowl News
January 27, 2023

[Bill Gates — After Reaping Huge Profits Selling BioNTech Shares — Trashes Effectiveness of COVID Vaccines]
Michael Nevradakis
The Defender
January 27, 2023

[Meeting Announcement for H.J. Res. 7, H.R. 139, H.R. 382, H.R. 497]
House Rules Committee
January 26, 2023

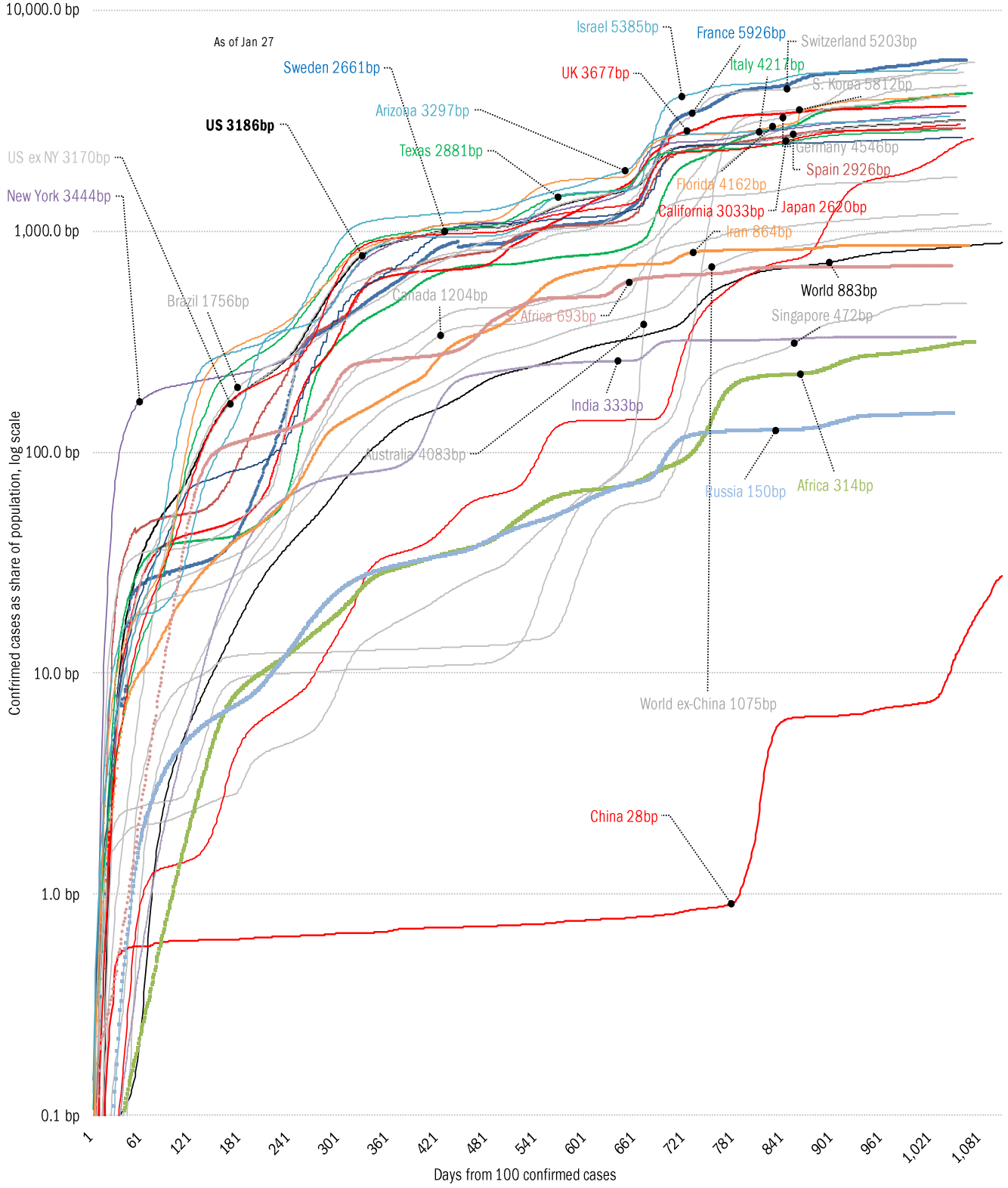
[On what the Iraq invasion and mRNA shots have in common]
Alex Berenson
Unreported Truths
January 27, 2023

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

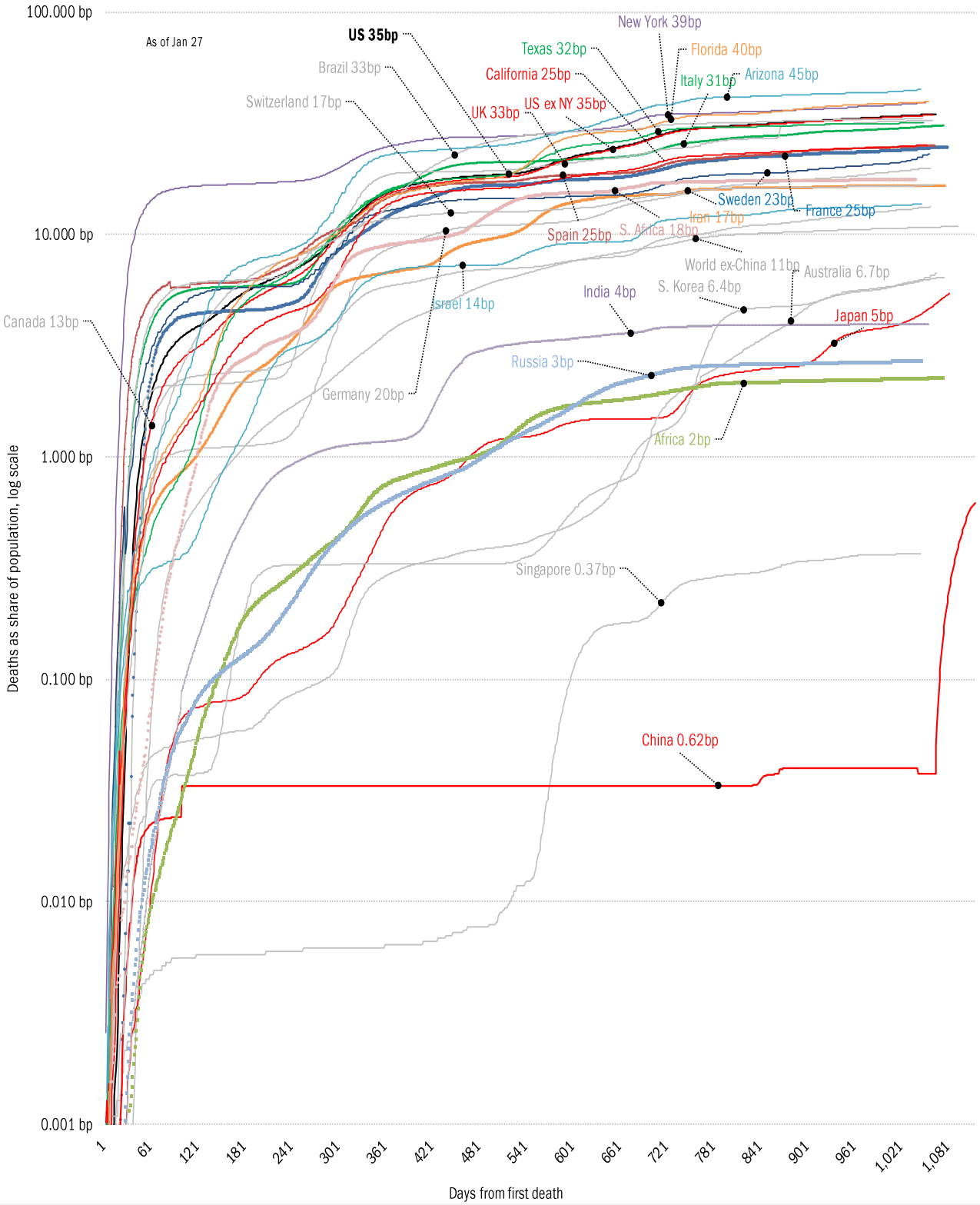
Share of infected population from first day with 100 confirmed cases, log scale



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

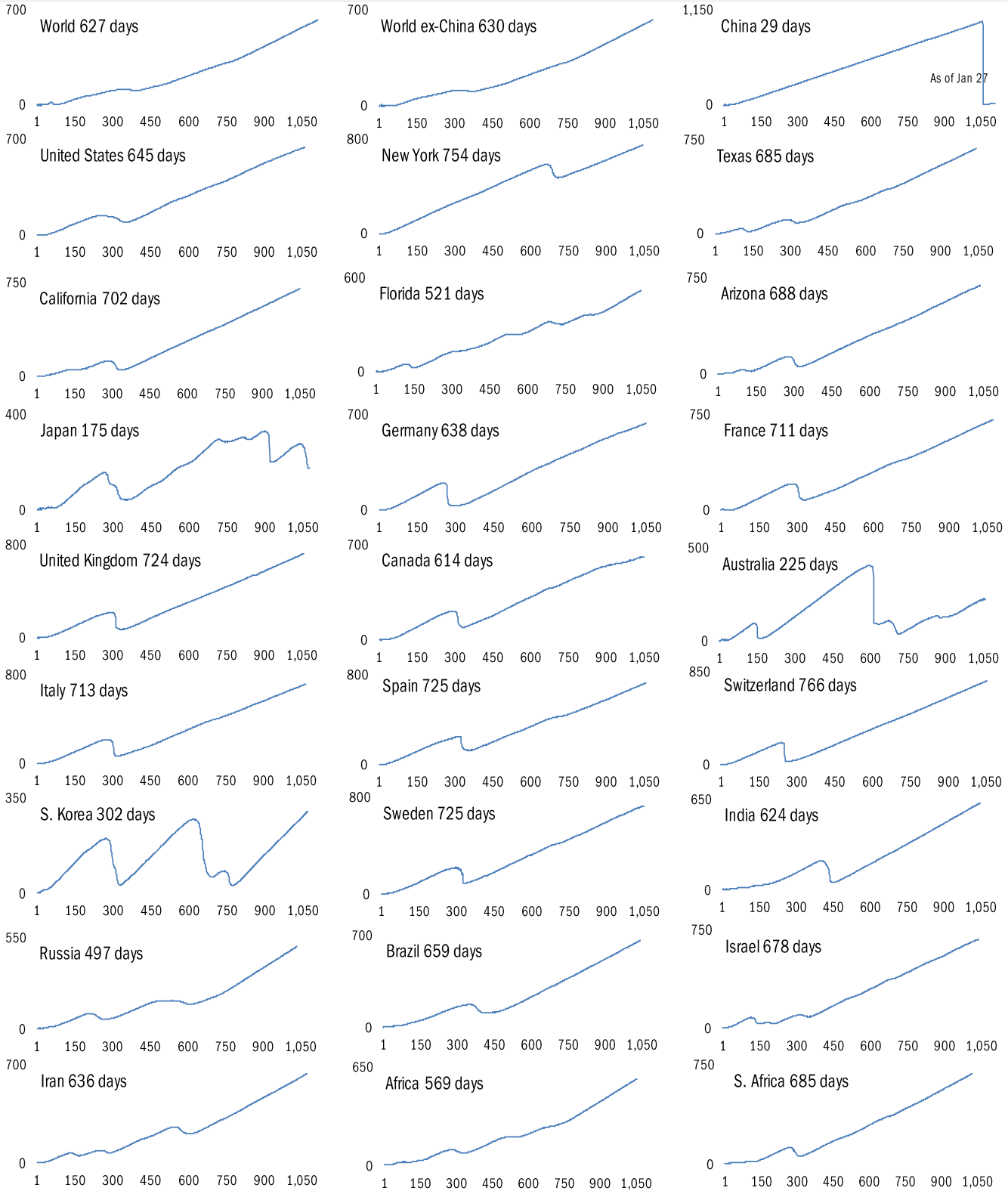


Source: Johns Hopkins, TrendMacro calculations

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

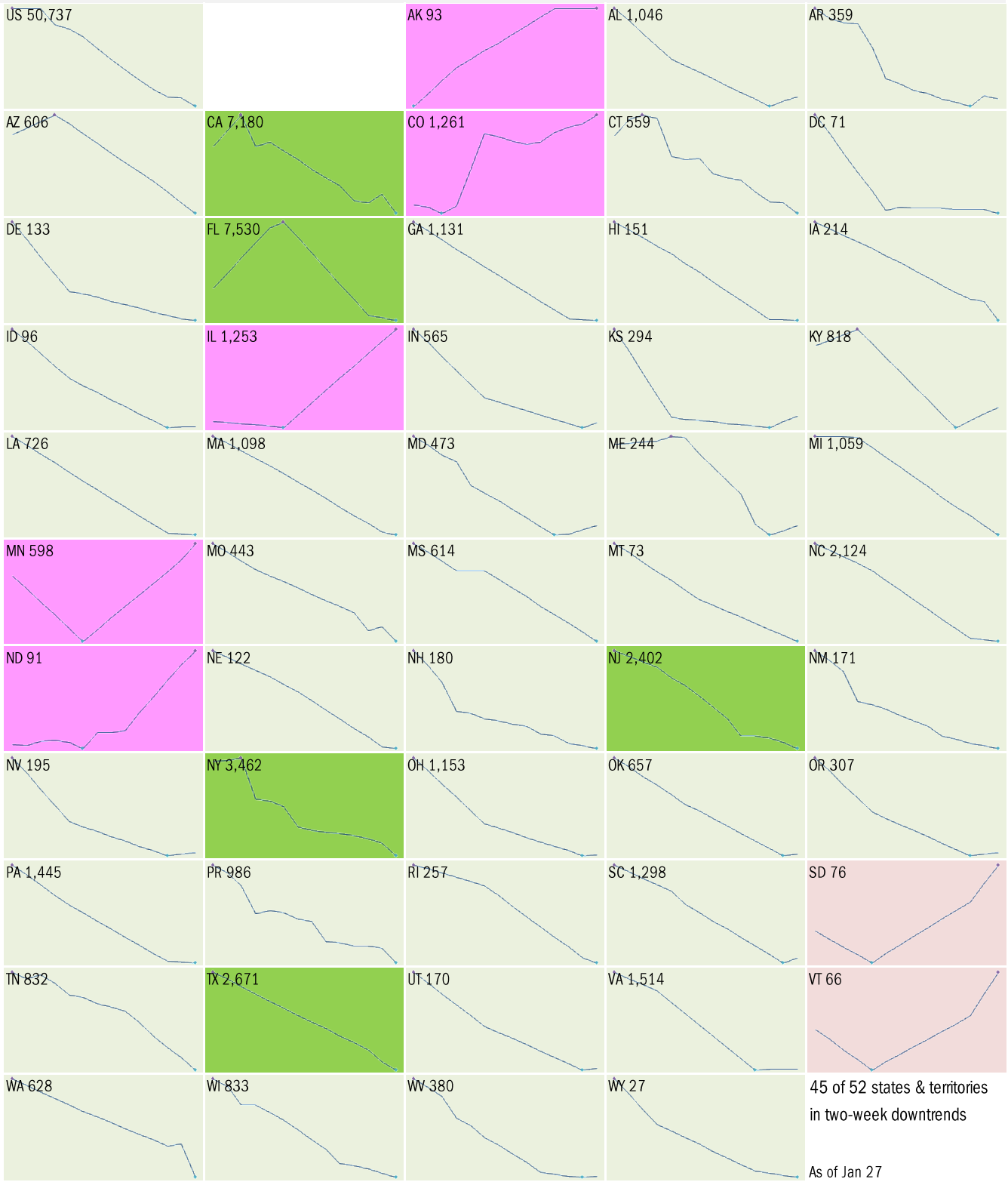


Source: Johns Hopkins, TrendMacro calculations

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

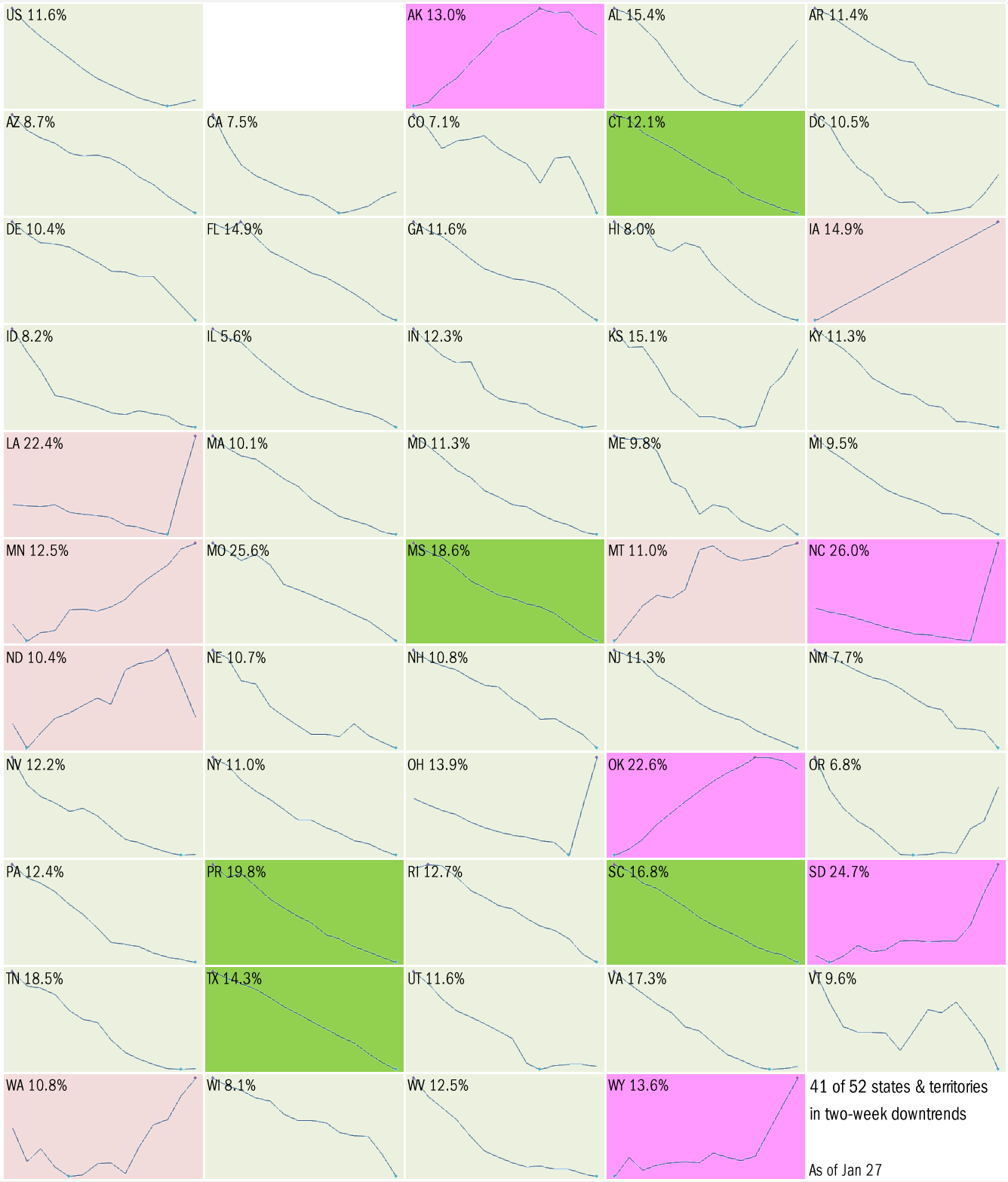


Source: Johns Hopkins, TrendMacro calculations

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

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

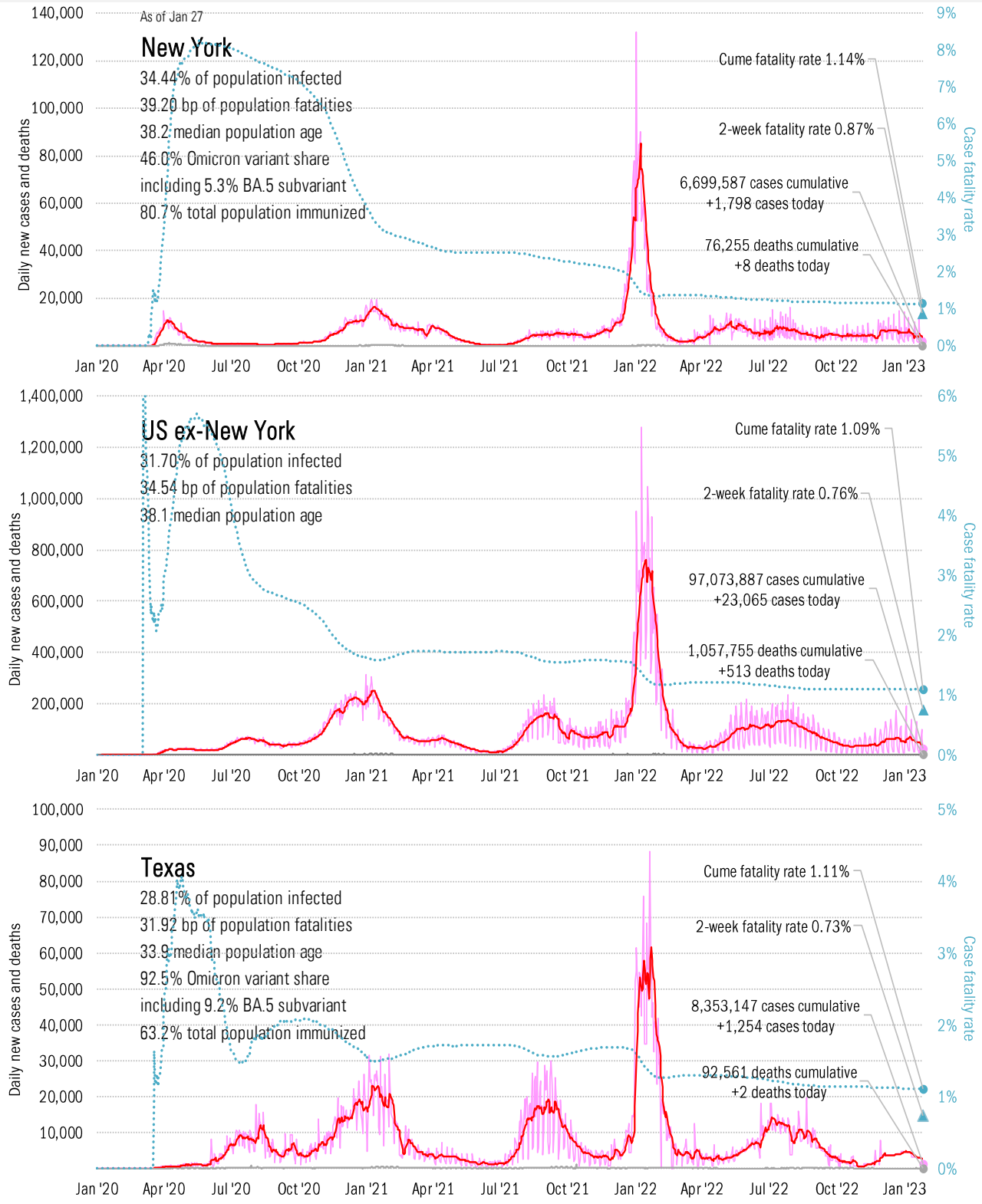
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

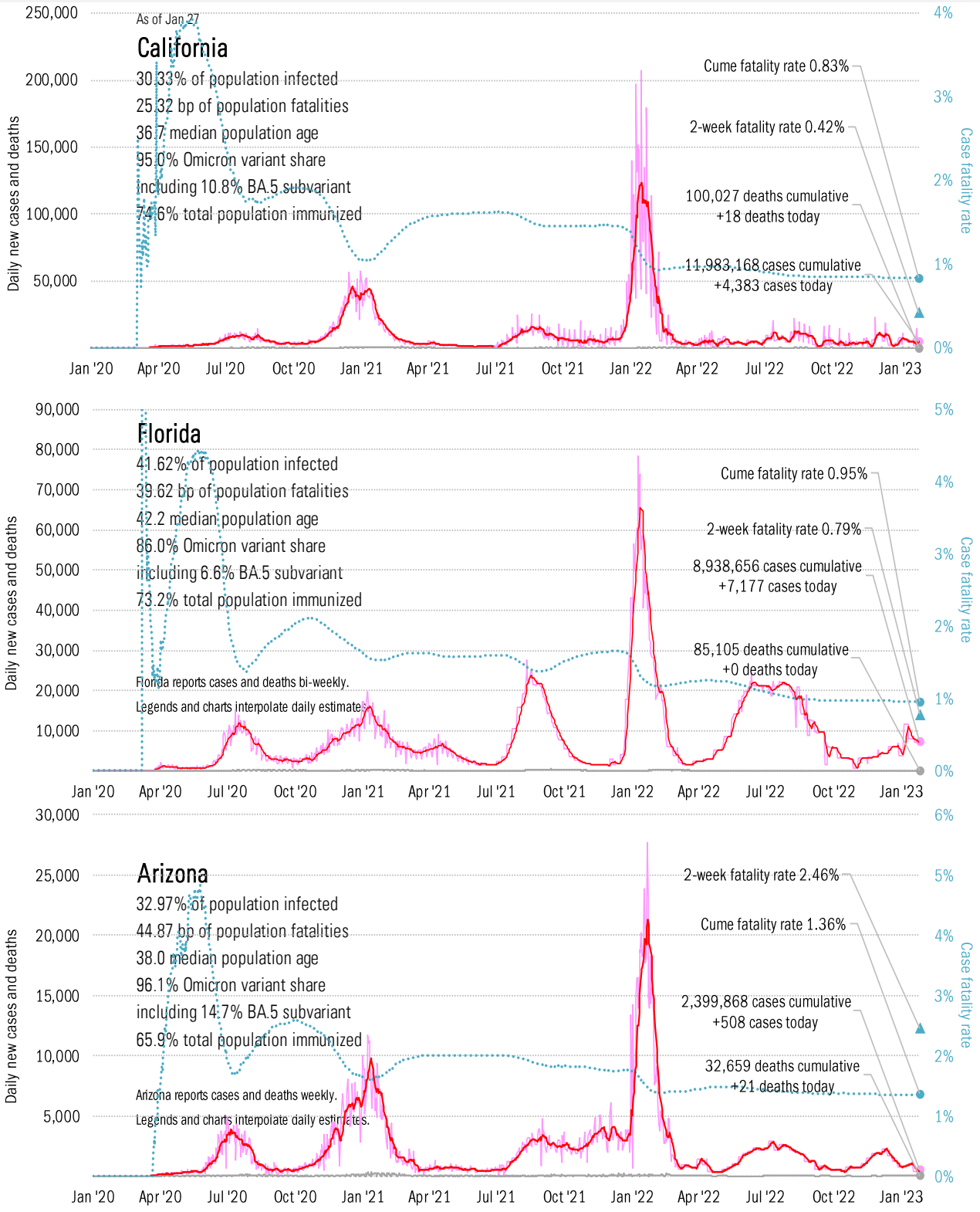
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

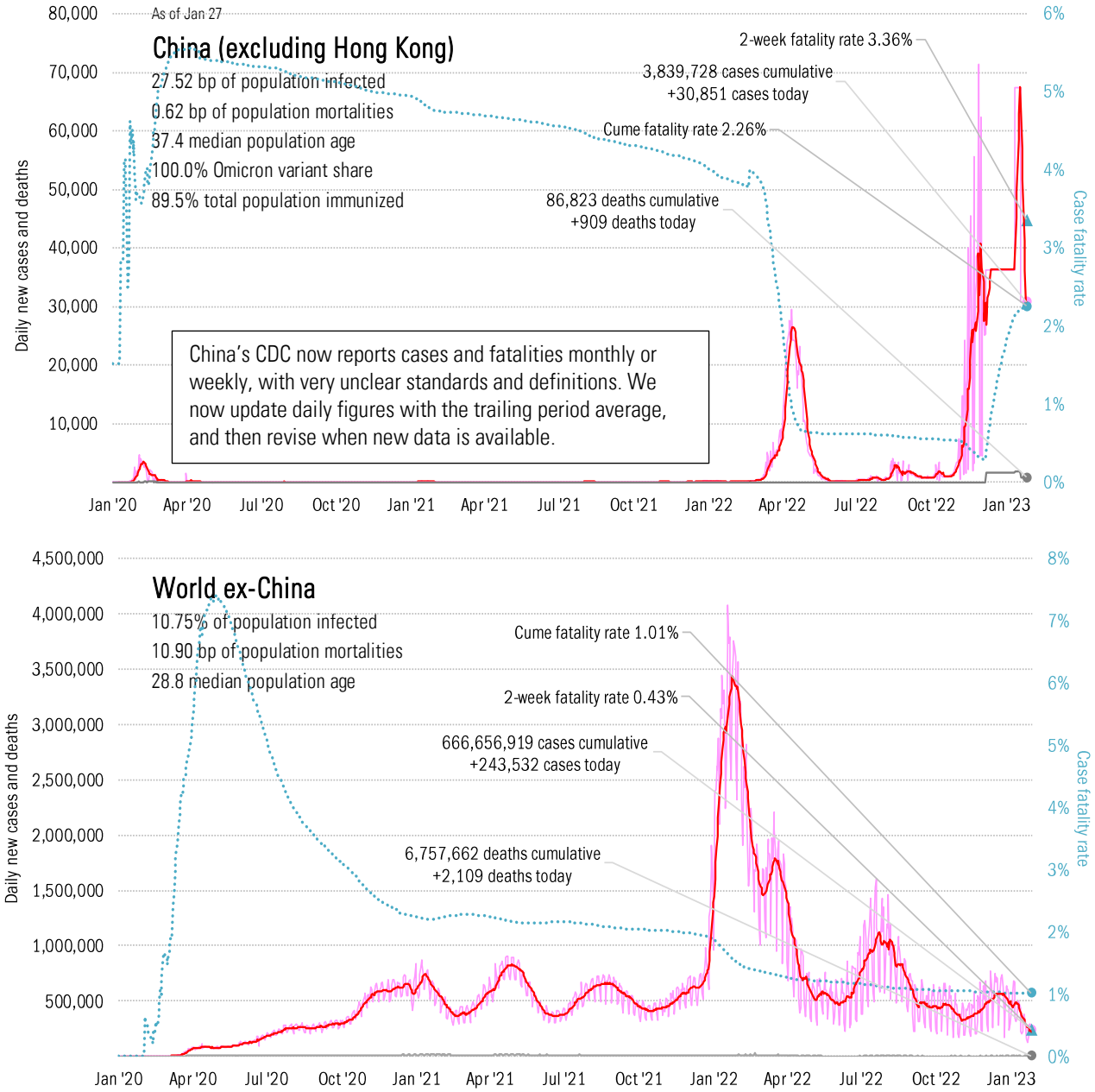
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

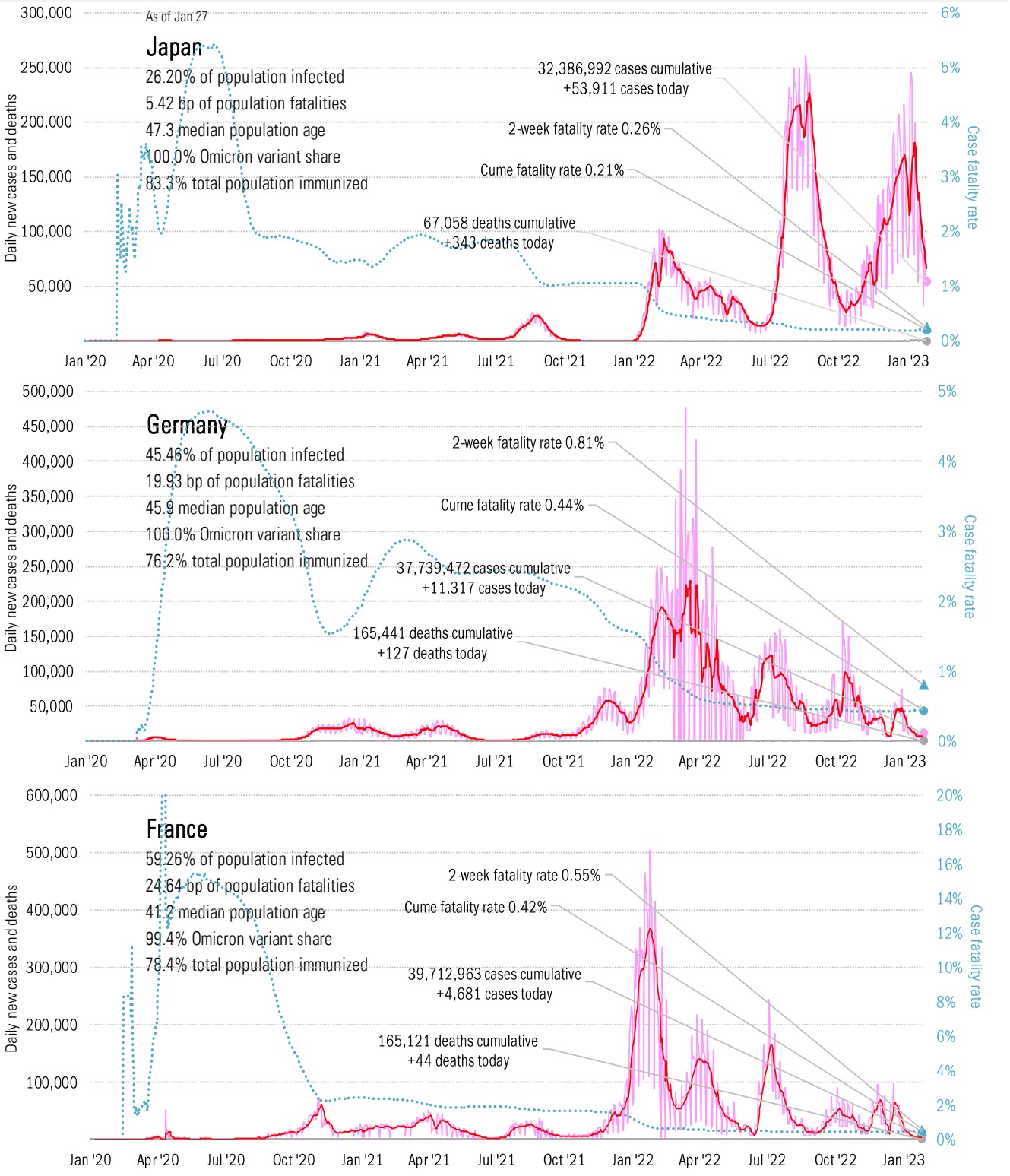
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, China CDC, TrendMacro calculations

Impact in the largest economies

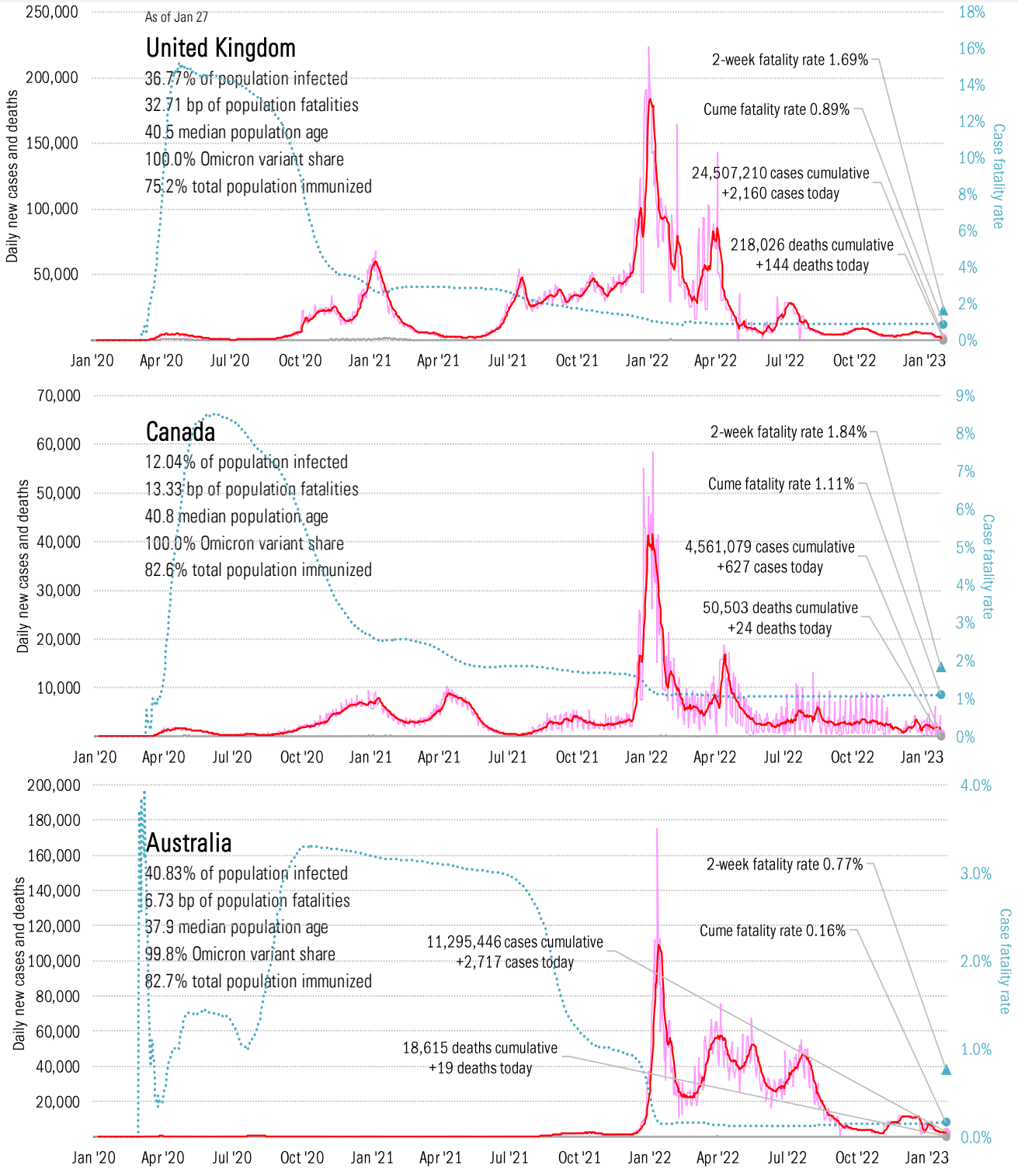
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

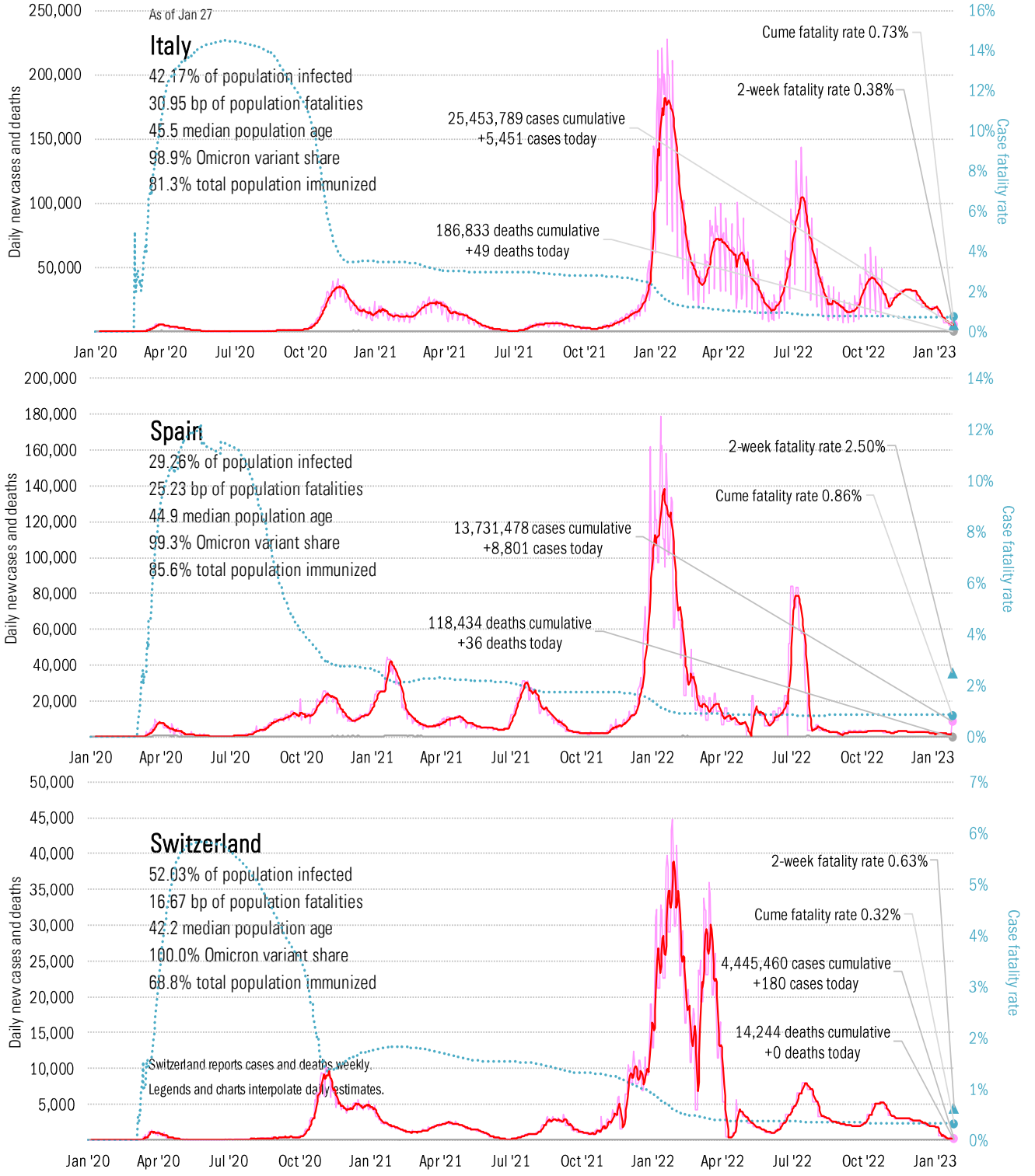
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

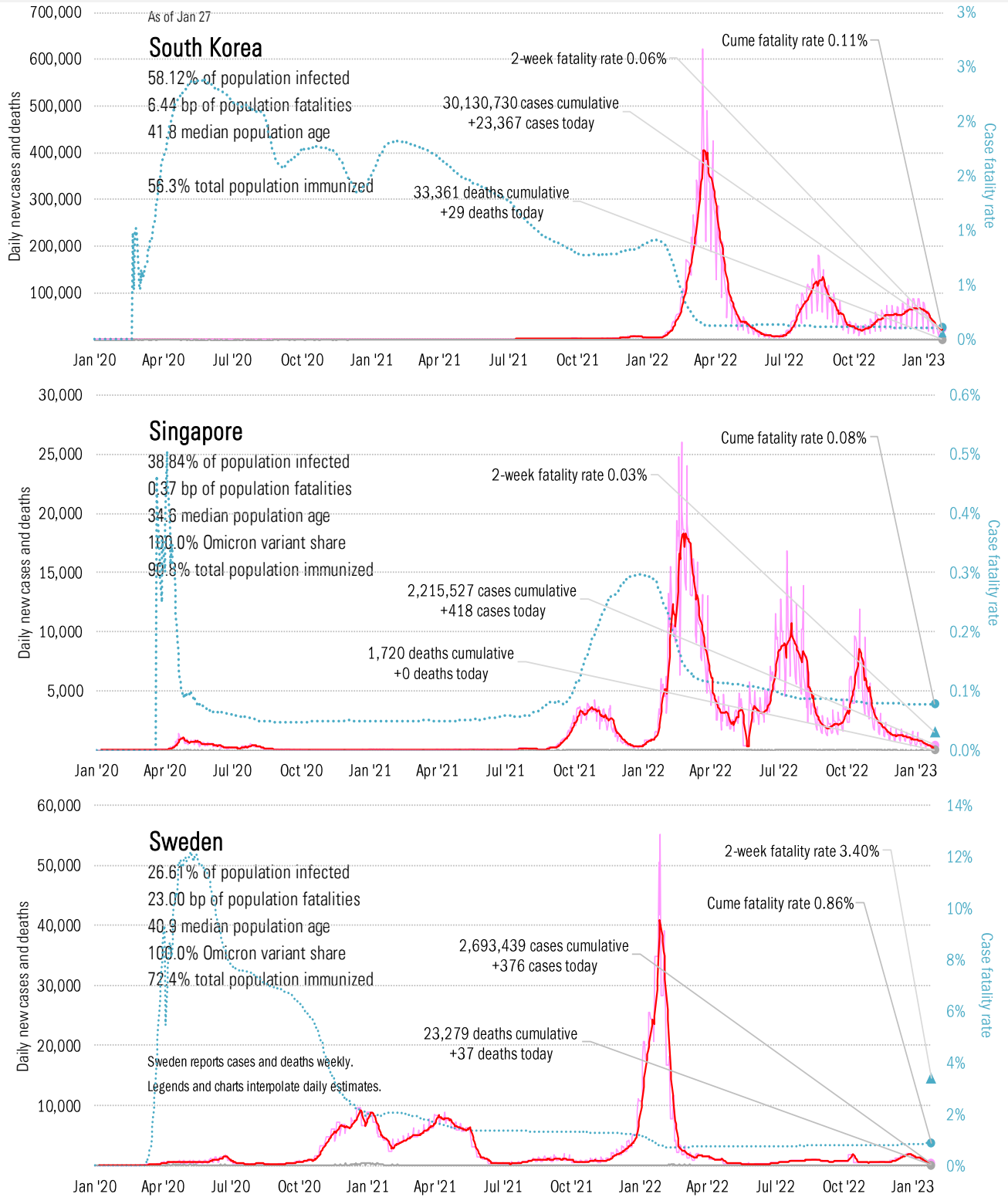
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

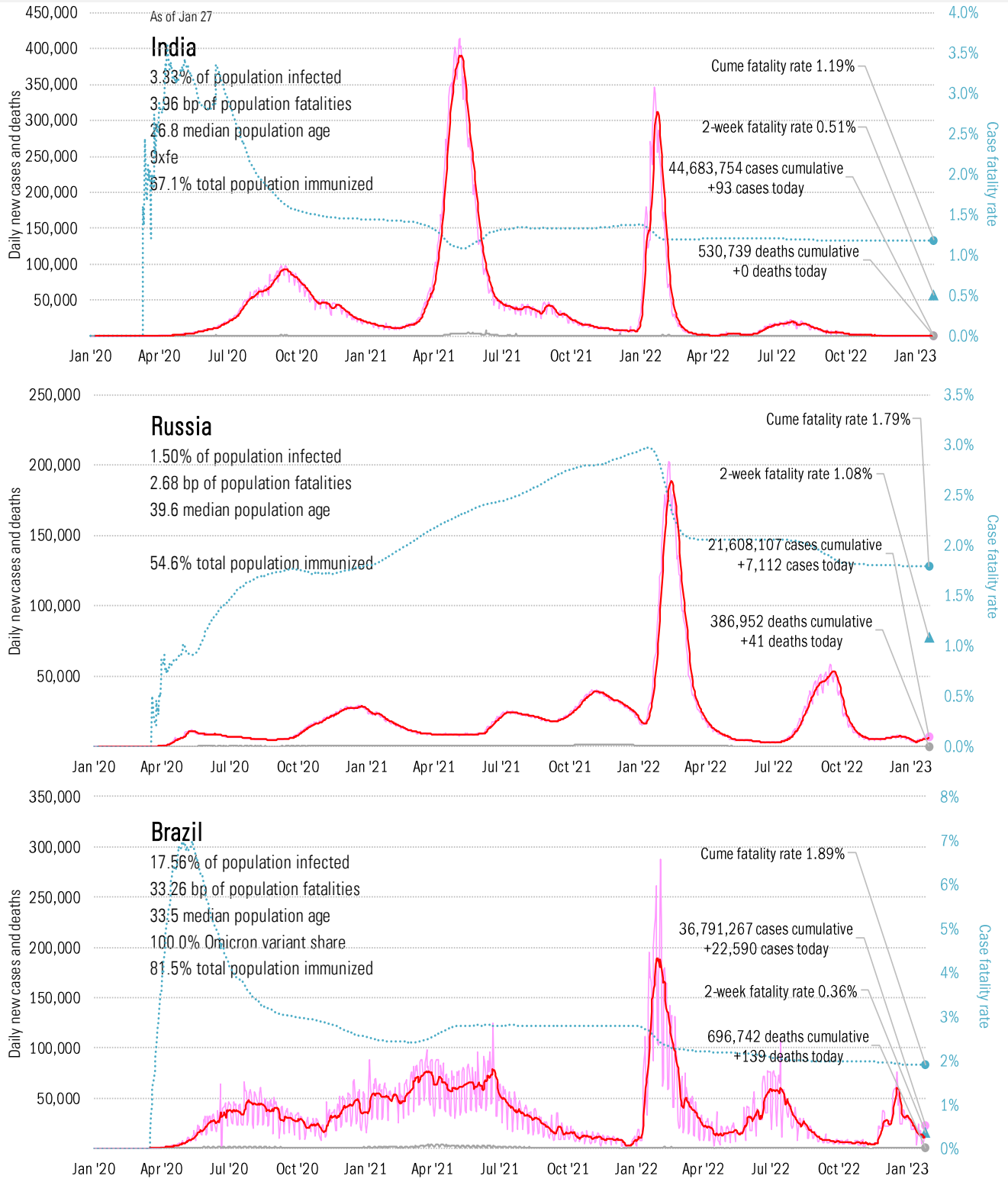
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

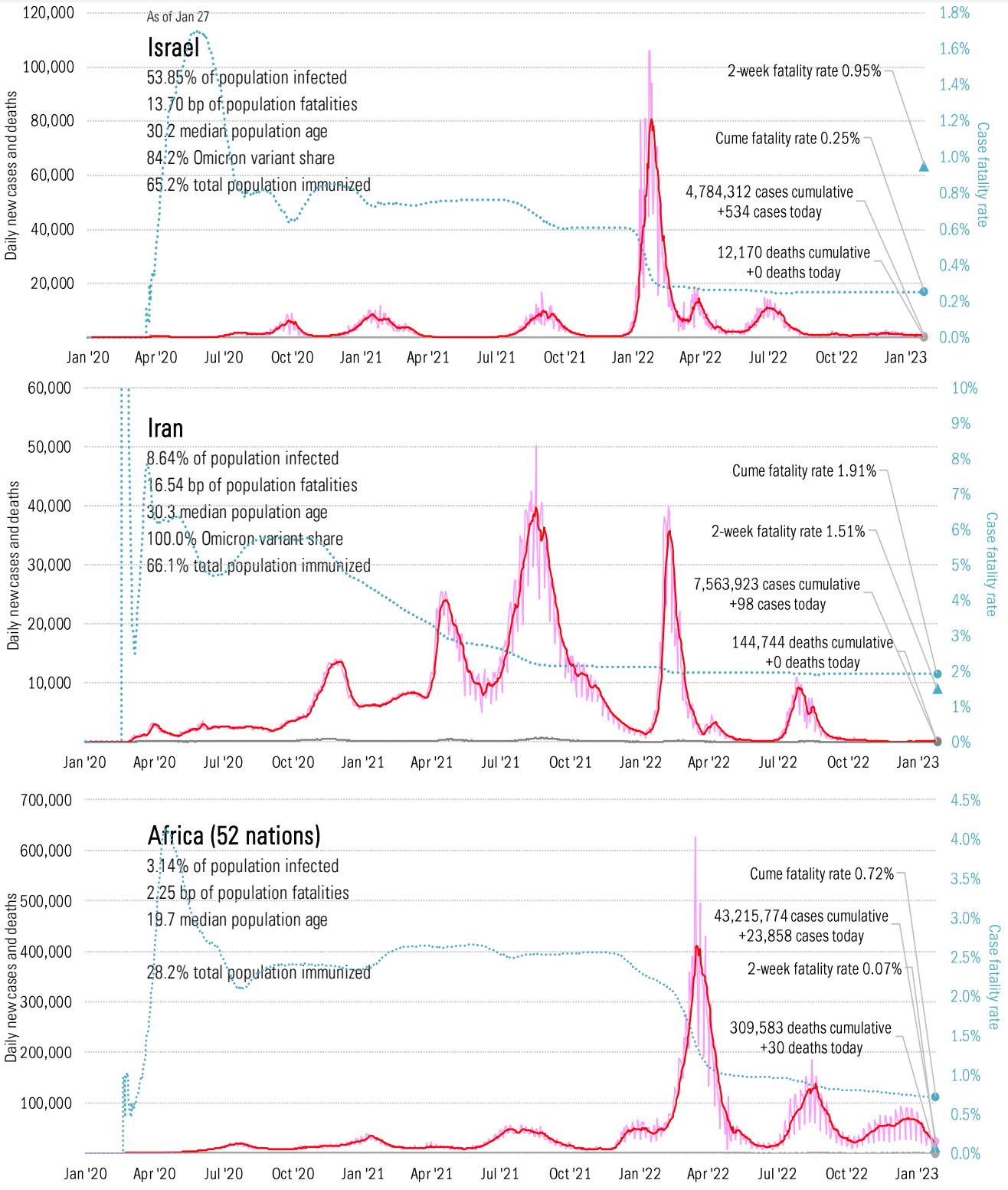
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

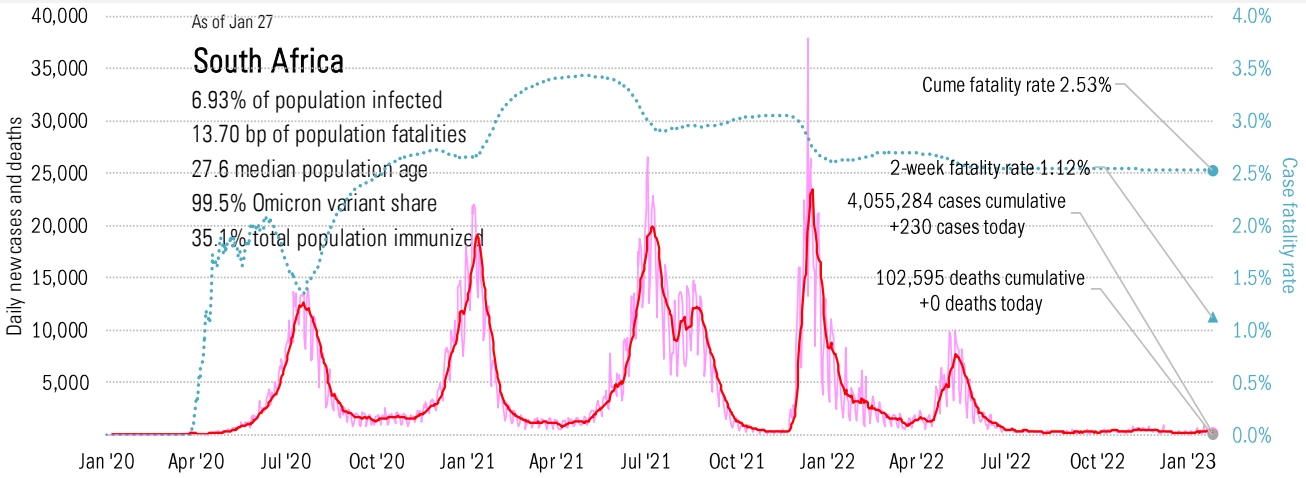
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, Trend Macro calculations