Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

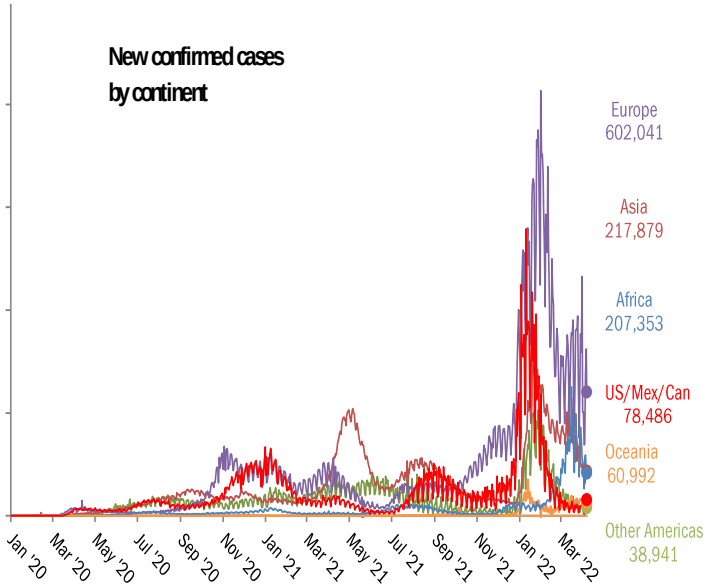
Friday, April 8, 2022

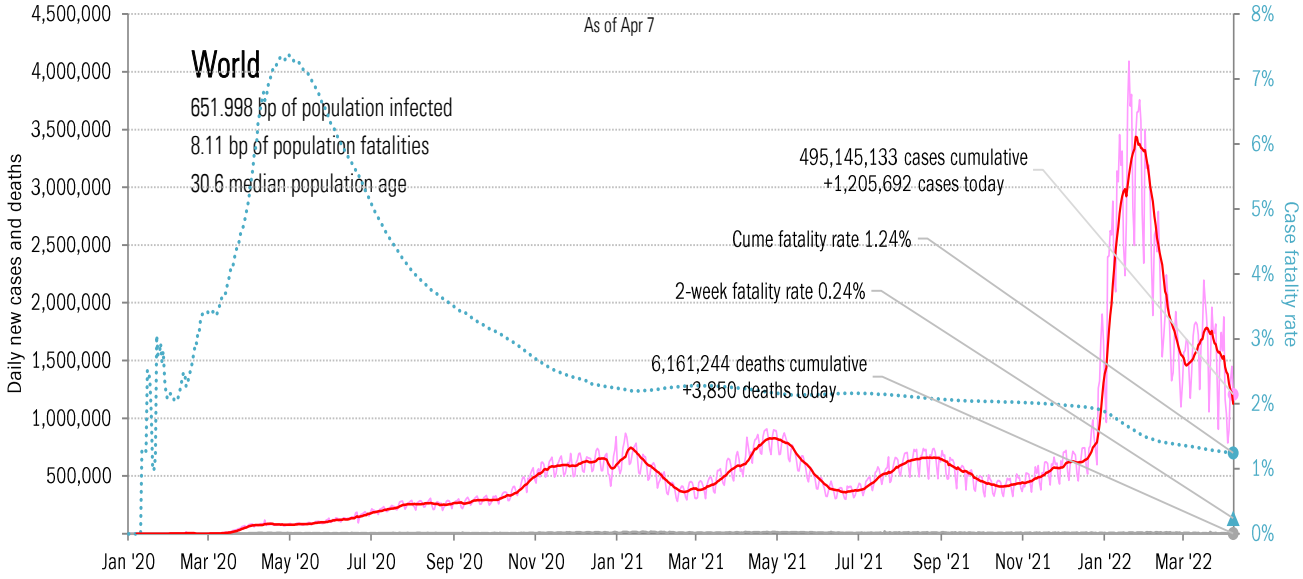
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	205,289	United States	511
Germany	175,263	Korea, South	373
France	159,035	Germany	334
Vietnam	90,228	United Kingdom	322
Italy	70,123	Russia	280
Australia	60,481	Brazil	248
Japan	54,879	Philippines	169
United Kingdom	48,666	Italy	149
United States	40,251	Sweden	141
Belgium	34,209	France	105
	938,424		2,632
World	1,205,692	World	3,850
Top ten	78%	Top ten	68%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

Cases: 7-day average and daily Deaths: Daily

The ten worst US states

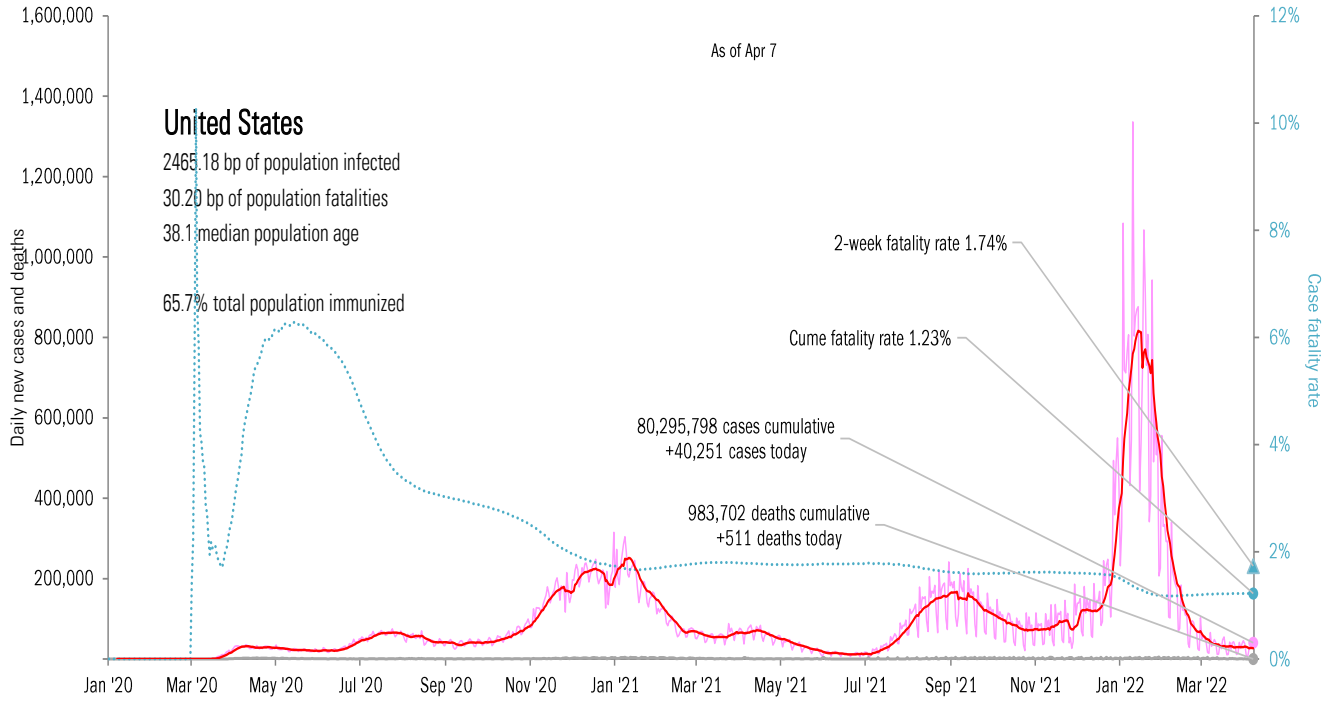
New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
AZ	6,840	CH	124	NY	159	CA	9,121,363	CA	89,247	TX	487,793	RI	90%	TX	87%
NY	6,049	OK	120	AZ	48	TX	6,745,219	TX	87,594	CA	423,502	MA	83%	AK	85%
TX	3,969	OR	57	UT	20	FL	5,891,565	FL	73,554	FL	413,960	PA	83%	DE	82%
CH	3,[illegible]	[illegible]	51	[illegible]	141	NY	5,022,921	NY	68,032	NY	245,812	MO	82%	NM	81%
NJ	2[illegible]	[illegible]	[illegible]	[illegible]	22	IL	3,078,124	PA	44,391	GA	206,811	MN	82%	RI	80%
MA	1[illegible]	[illegible]	[illegible]	[illegible]	22	PA	2,786,509	CH	38,166	CH	190,302	MD	82%	MA	79%
IL	1[illegible]	[illegible]	[illegible]	[illegible]	11	CH	2,676,629	GA	37,270	PA	175,770	DE	82%	NV	79%
CO	1,3[illegible]	CA	26	NJ	46	NC	2,634,007	IL	35,887	IL	156,798	DC	81%	AL	79%
PA	1,163	PA	21	AR	16	GA	2,502,667	MI	35,776	MI	140,912	WV	81%	WA	78%
PR	1,114	NM	18	GA	55	MI	2,393,265	NJ	33,289	KY	132,726	WA	81%	MS	78%
	29,929		535		540		42,852,269		543,206		2,574,386				
All states	39,795		511		1,379	All states	80,295,798		983,702		4,674,461	All states	70%		67%
Top ten	75%		105%		39%	Top ten	53%		55%		55%	Median	75%		73%

US fatality data is faulty at the source today.

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	AZ	-413	WA	-21	DE	+10 bp
WA	-5,974	TN	-149	IN	-20	ID	+10 bp
MI	-3,759	MI	-70	WI	-18	KS	+10 bp
NV	-1,208	NV	-45	NC	-15	MD	+10 bp
HI	-1,194	CA	-41	CO	-13	NJ	+10 bp



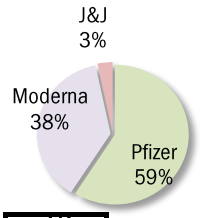
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	579,078,678				+0.308 million
Boosters	99,702,795				+0.057 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	263,661,086	79%	224,388,169	67%	+0.047 million
Age 12 to 17	17,590,266	70%	15,013,474	59%	+0.003 million
Age 18 to 64	177,551,816	87%	150,626,331	74%	+0.024 million
Age 65 and over	58,409,542	100%	50,644,531	92%	+0.015 million

Immunity	Full	Partial
US	65.7%	77.1%
UK	72.6%	77.5%
France	77.8%	80.1%
Spain	86.1%	88.0%
Germany	75.4%	75.9%
Italy	79.3%	84.1%
Australia	82.8%	86.2%
Israel	66.0%	72.2%
Canada	82.0%	86.1%
Japan	80.0%	81.5%
Africa	15.4%	20.5%
India	60.0%	71.3%
Brazil	75.5%	84.9%
China	86.1%	88.5%

Global data differs due to sources, timing



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

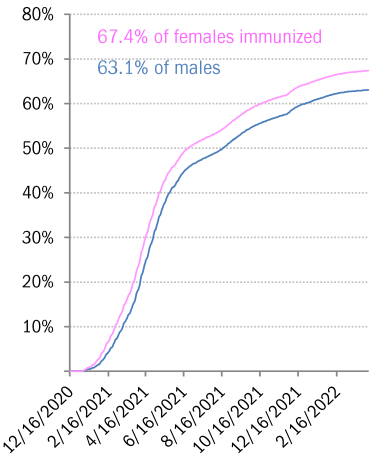
"Immunity" = two doses

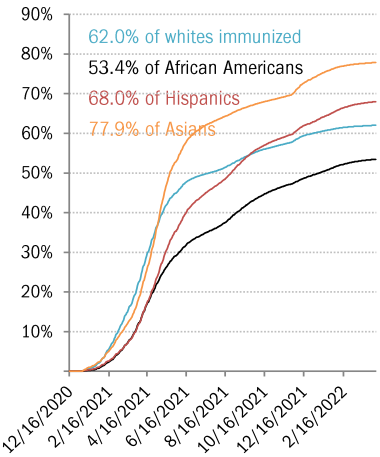
Best
Middle
Worst

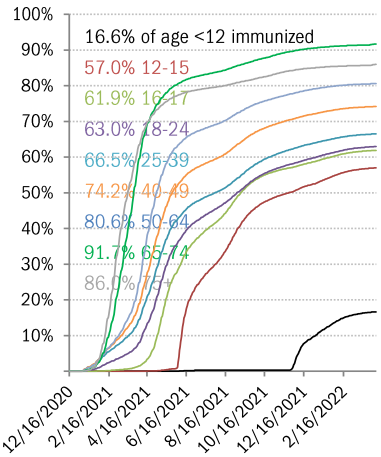
As of Apr 7

					WI					ME
					71.5%					89.7%
					65.2%					79.0%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.4%	60.8%	64.9%	64.7%	74.8%	76.5%	66.7%		89.7%	93.1%	90.4%
72.2%	53.7%	56.5%	54.7%	68.8%	68.4%	59.8%		76.4%	80.7%	69.6%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.5%	74.8%	58.5%	75.8%	67.7%	61.2%	63.3%	84.2%	89.9%	95.0%	
69.3%	60.4%	51.2%	60.7%	61.6%	54.6%	58.1%	67.8%	75.1%	78.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.7%	71.8%	78.9%	70.0%	65.9%	65.9%	64.7%	85.2%	85.9%	94.8%	95.0%
71.2%	64.0%	69.9%	63.2%	55.7%	57.1%	57.3%	72.7%	75.1%	78.6%	81.8%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.4%	86.9%	74.1%	66.3%	61.8%	83.3%	67.2%	95.0%	82.5%	
	61.1%	70.5%	60.9%	54.1%	54.2%	60.2%	56.6%	73.2%	68.5%	
			OK	LA	MS	AL	GA			
			70.7%	60.8%	59.3%	62.4%	65.0%			
			56.7%	53.3%	51.5%	50.8%	54.3%			
HI			TX					FL		PR
87.0%			72.4%					78.8%		94.6%
77.9%			61.0%					66.6%		82.6%

The demographics of US vaccination



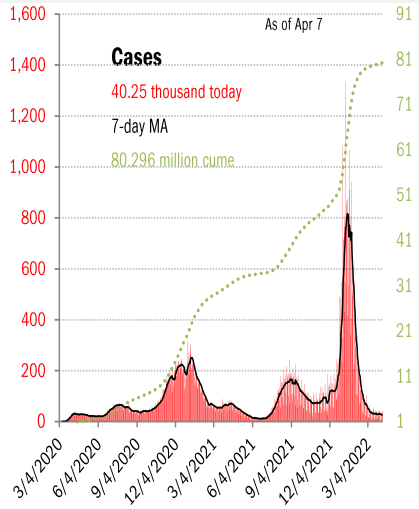


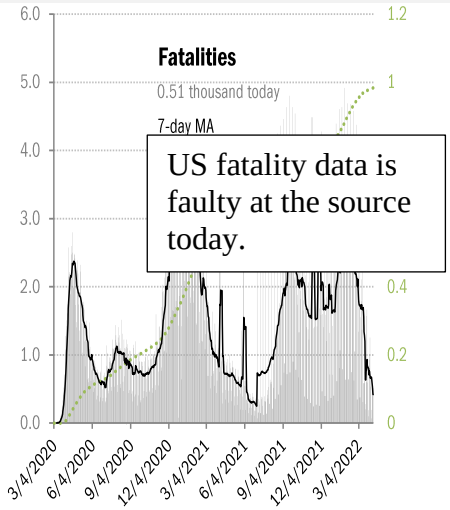


Source: CDC, CDC, Our World in Data, TrendMacro calculations

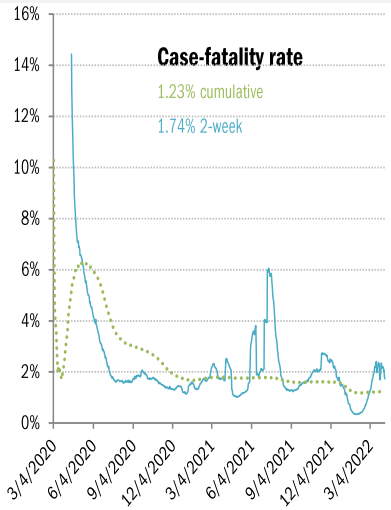
US deep-dive

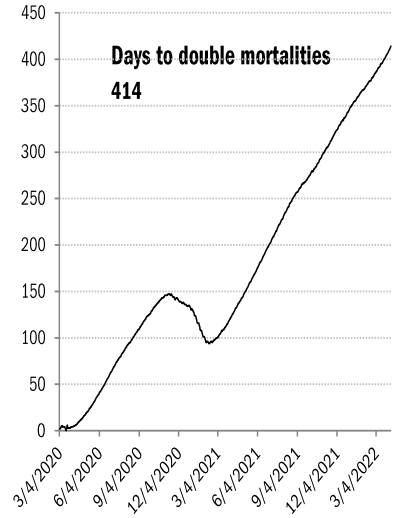
National and state-by-state data do not line up because of different sources

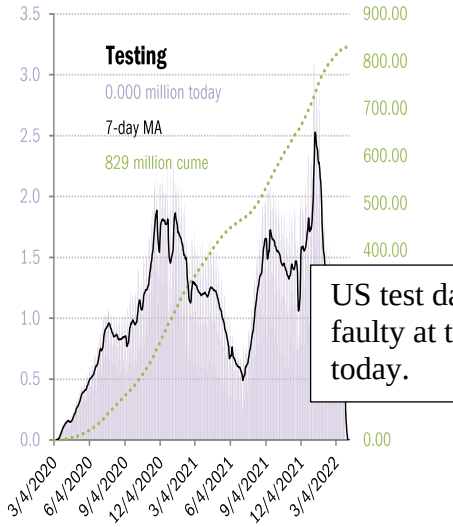




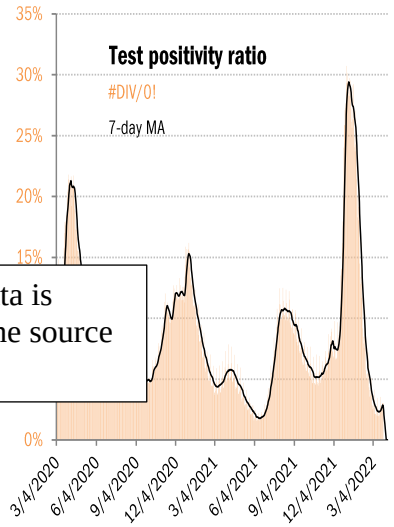
US fatality data is faulty at the source today.

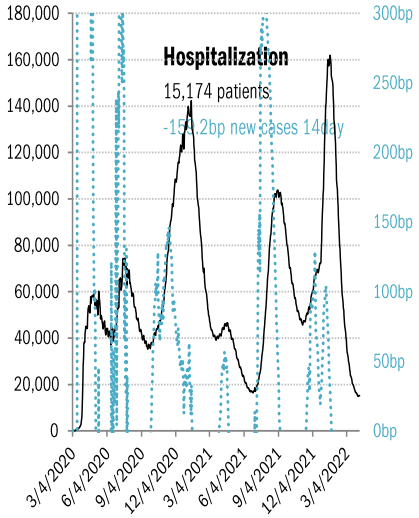


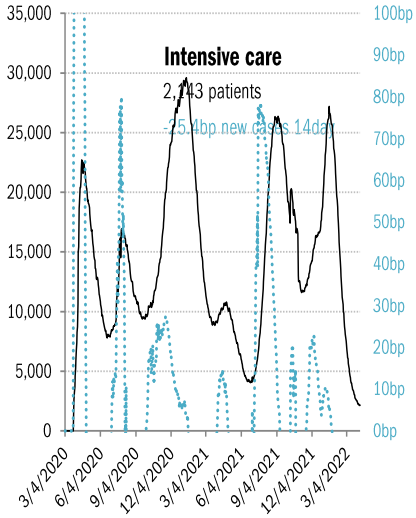


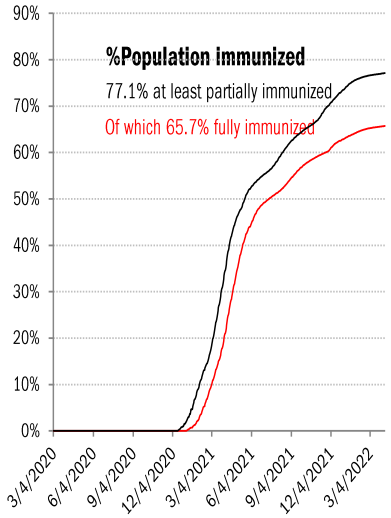


US test data is faulty at the source today.









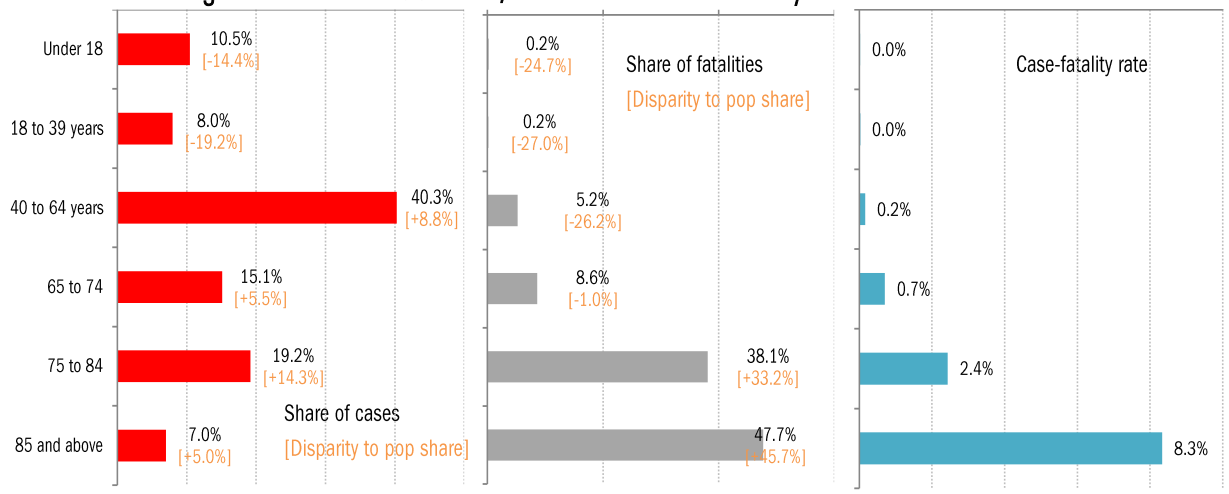
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

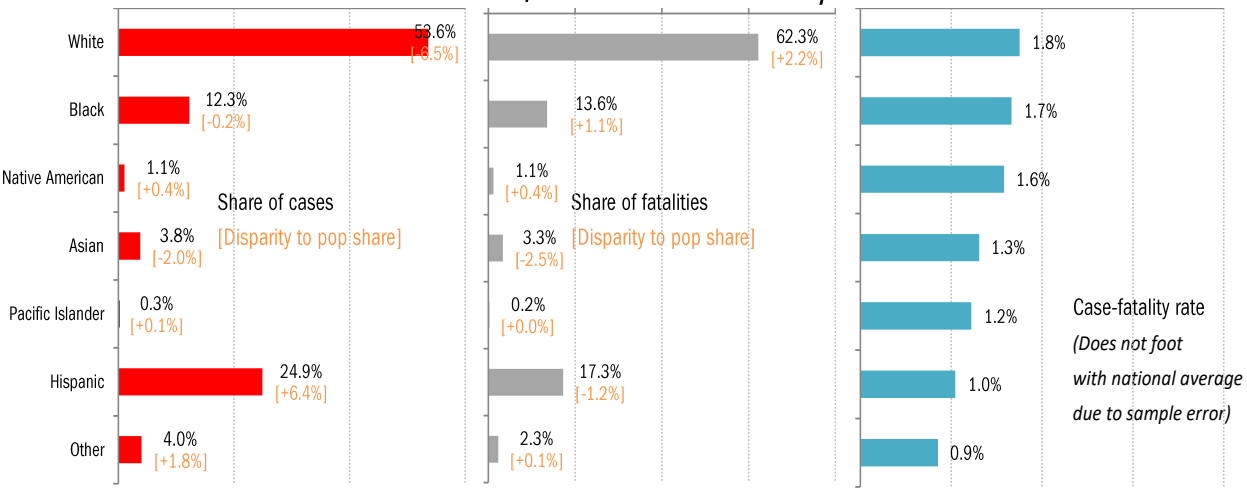
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



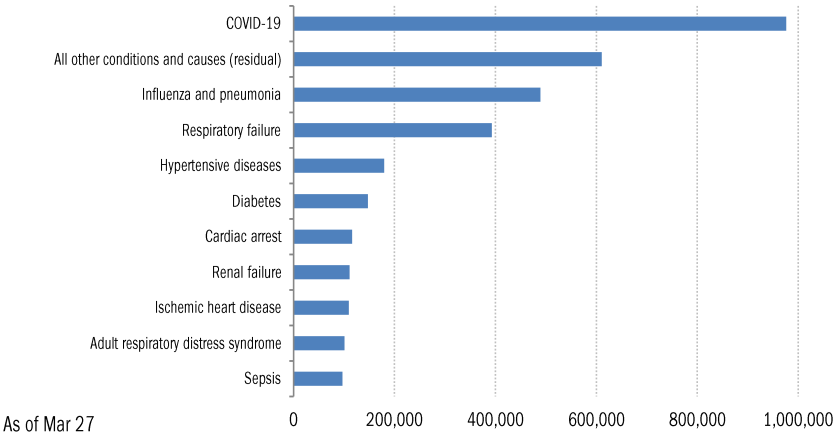
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Mar 27

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 wave of Covid cases hits U.S. officials, rattles Washington
Scott Wong
NBC News
April 7, 2022

The Gridiron Club outbreak shows what living with covid-19 looks like
Leana S. Wen
Washington Post
April 7, 2022

The FDA's Own Experts Have No Idea Why It Approved Another COVID Booster Dose
Dylan Housman
Daily Caller
April 6, 2022

Nancy Pelosi tests positive for the coronavirus.
Emily Cochrane
New York Times
April 7, 2022

Kamala's mask slips: Shocking images show VP and school principal MASKLESS as kids are forced to wear face coverings at Washington DC school - Ted Cruz leads Republicans tearing into VP's 'rules for thee but not for me'
Katlyn Caralle
Daily Mail
April 4, 2022

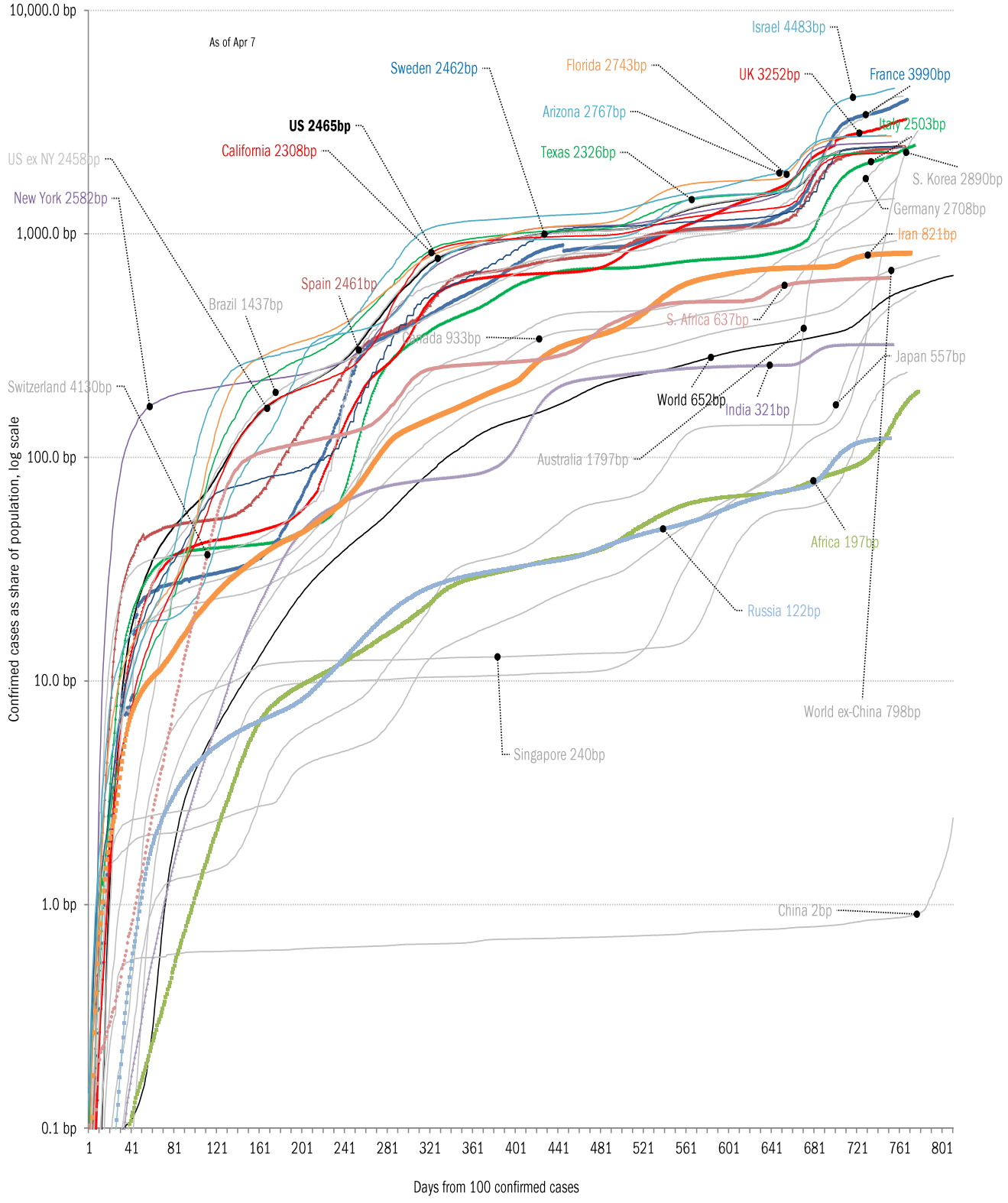
F.D.A. Panel Explores Challenges of Revamping Coronavirus Vaccines
Sharon LaFraniere
New York Times
April 6, 2022

Meme of the day

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

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

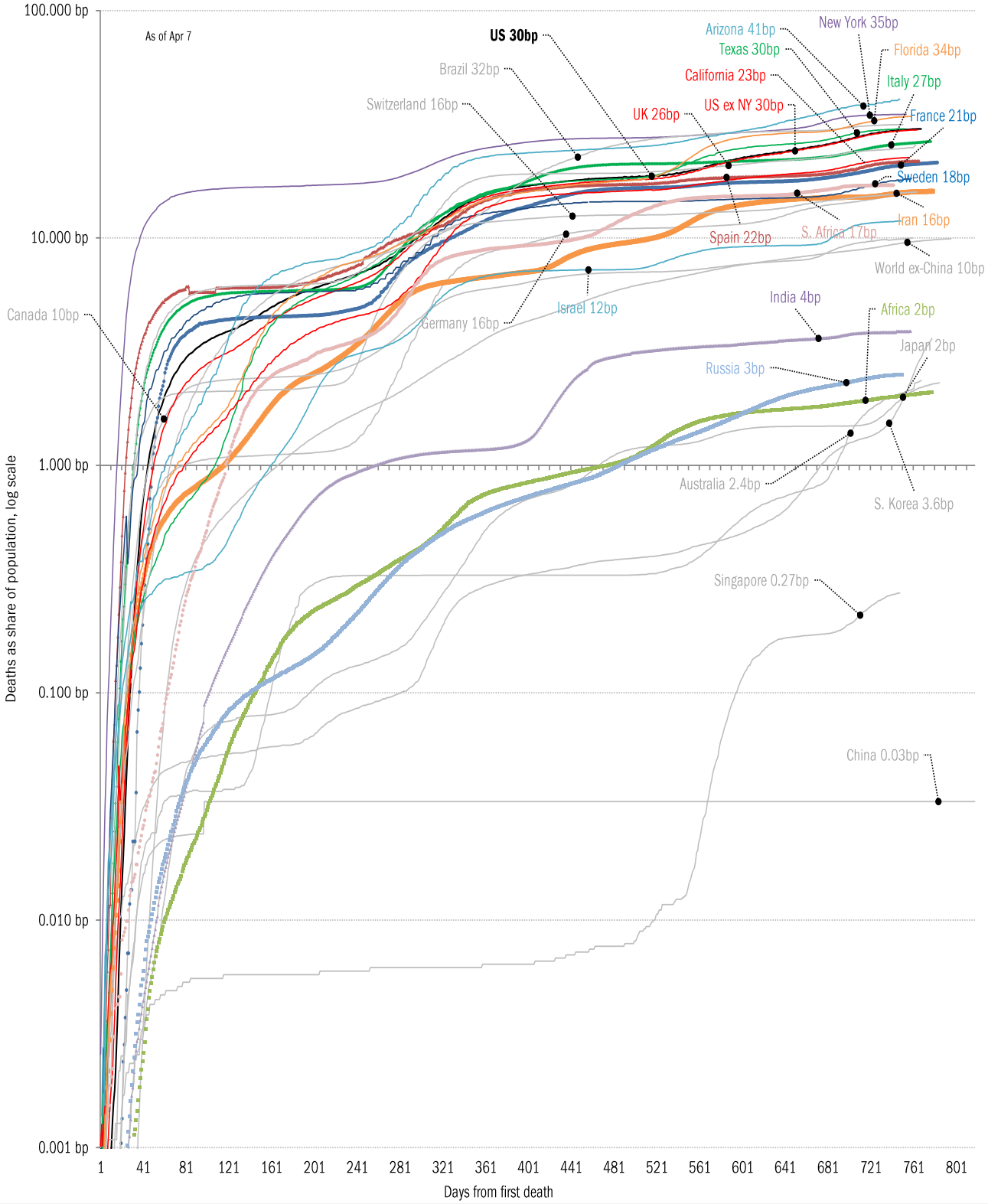
Share of infected population from first day with 100 confirmed cases, log scale



Source: Johns Hopkins, TrendMacro calculations

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

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

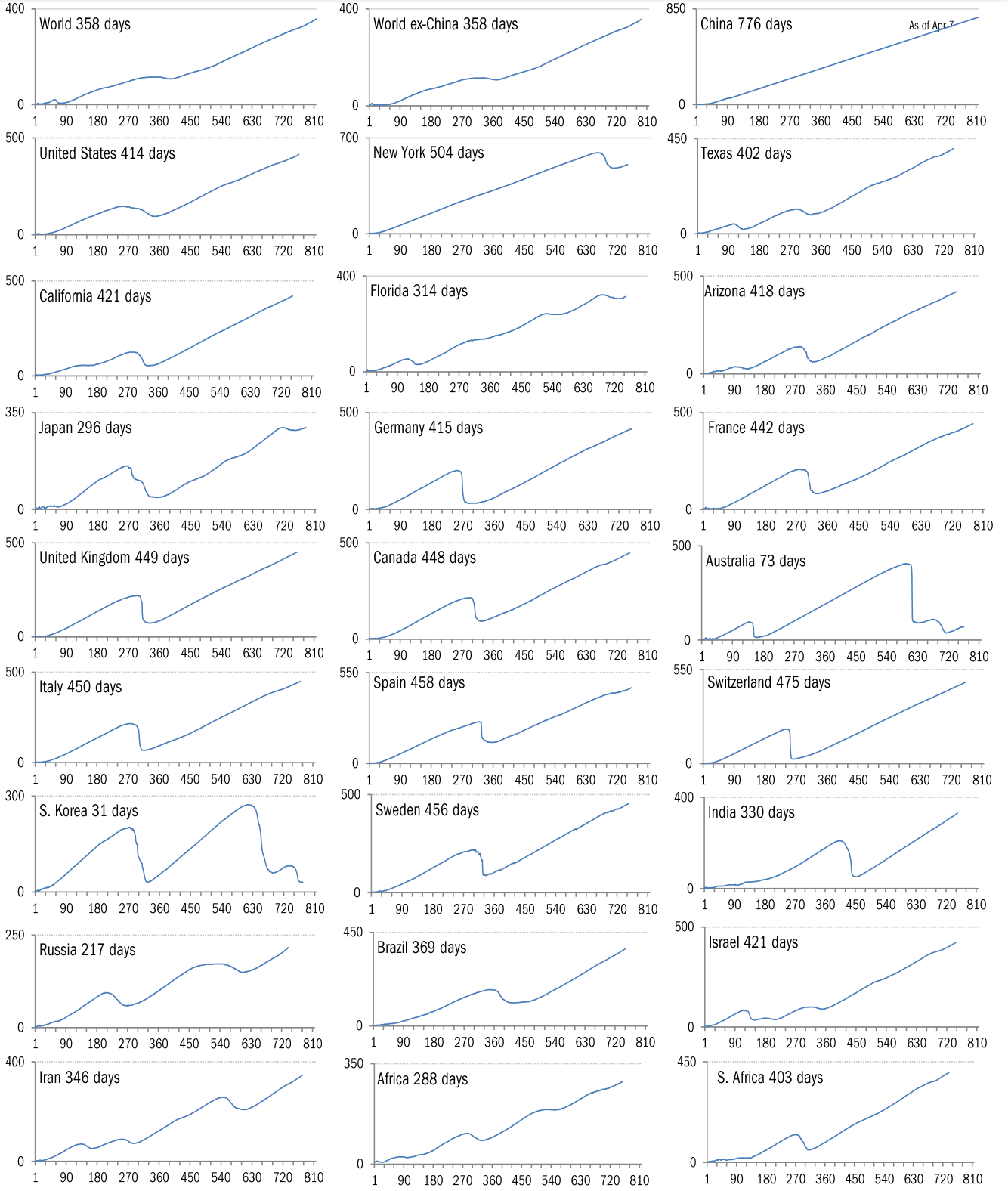


Source: Johns Hopkins, TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

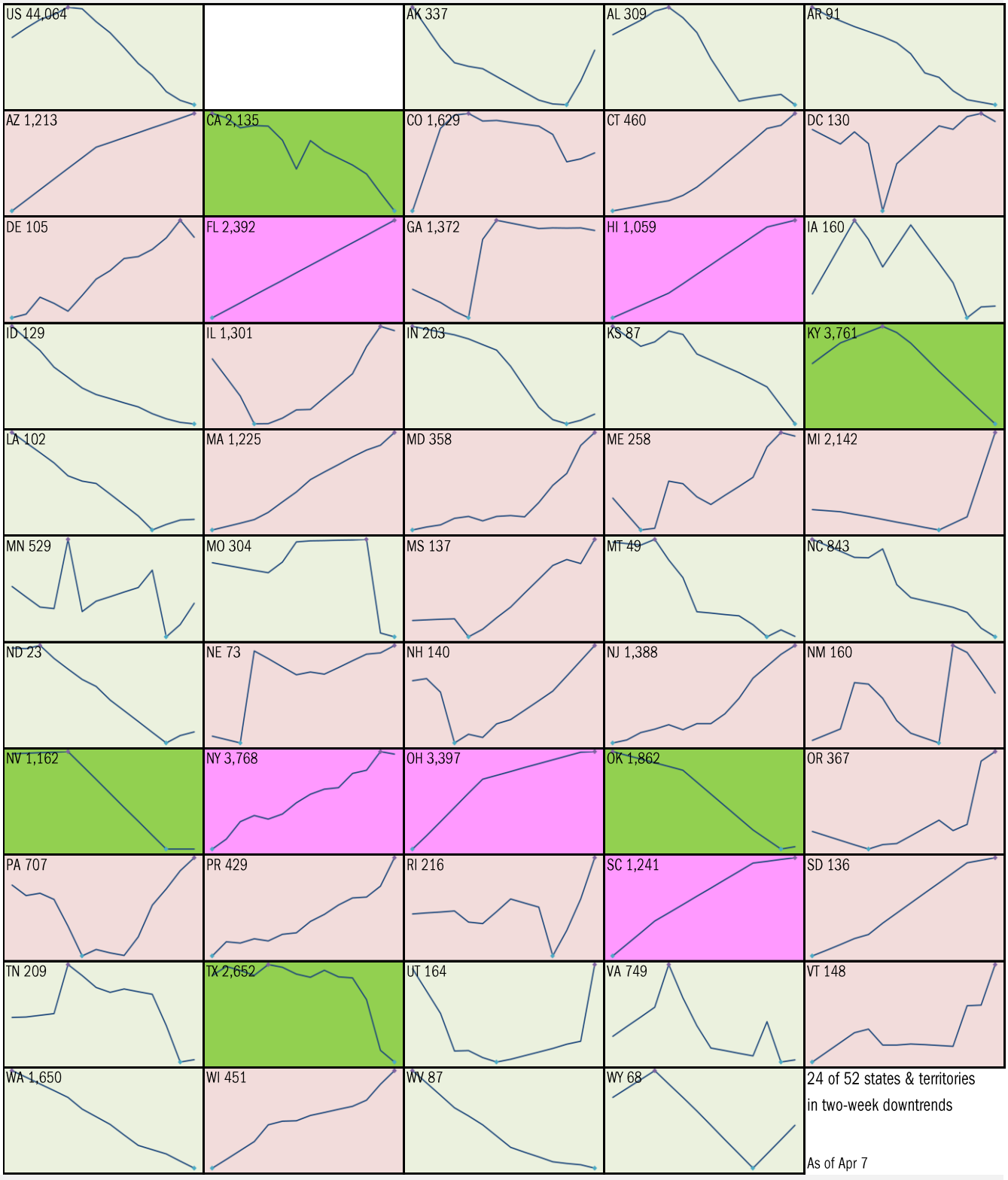


Source: Johns Hopkins, TrendMacro calculations

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

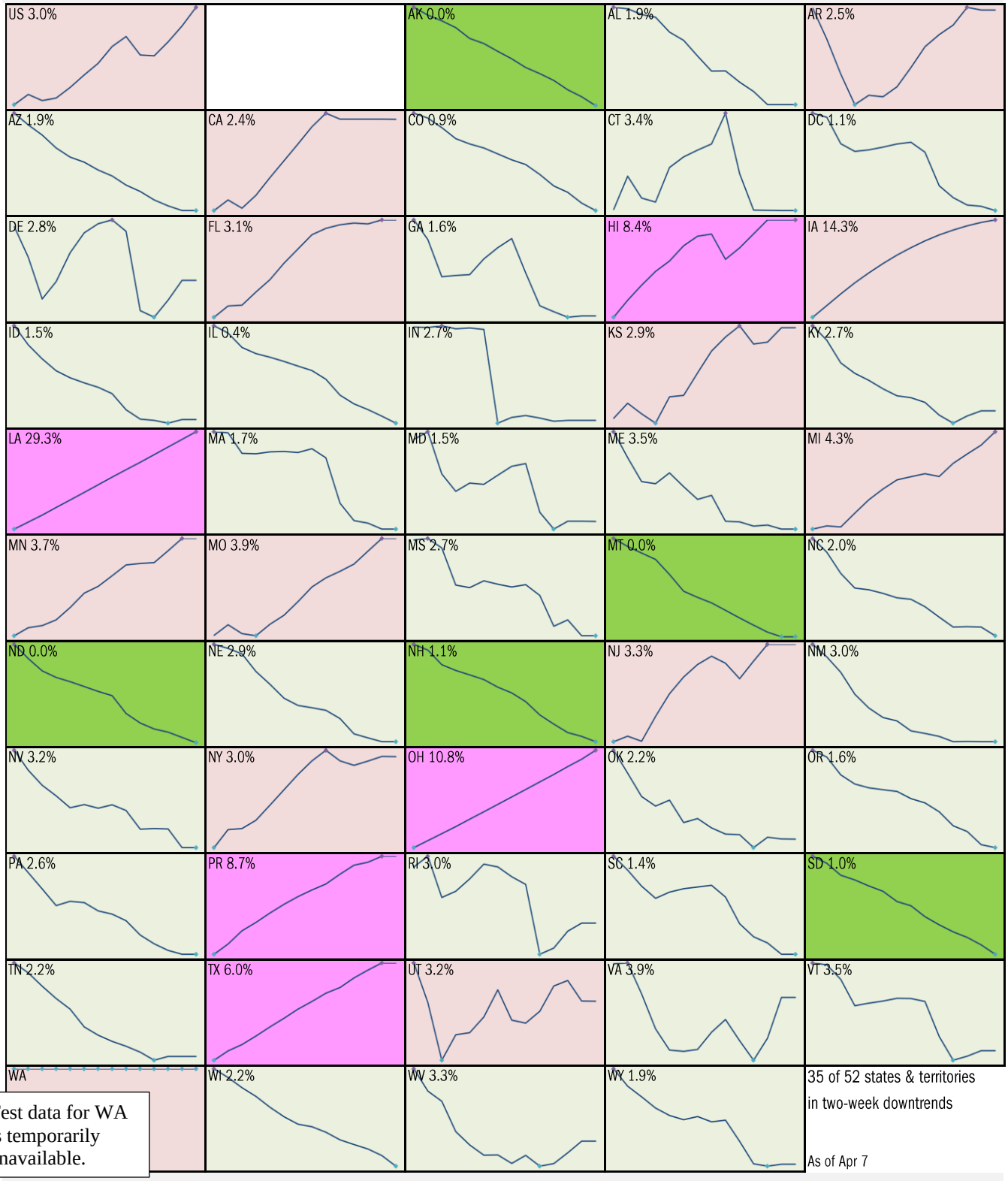


Source: Johns Hopkins, TrendMacro calculations

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

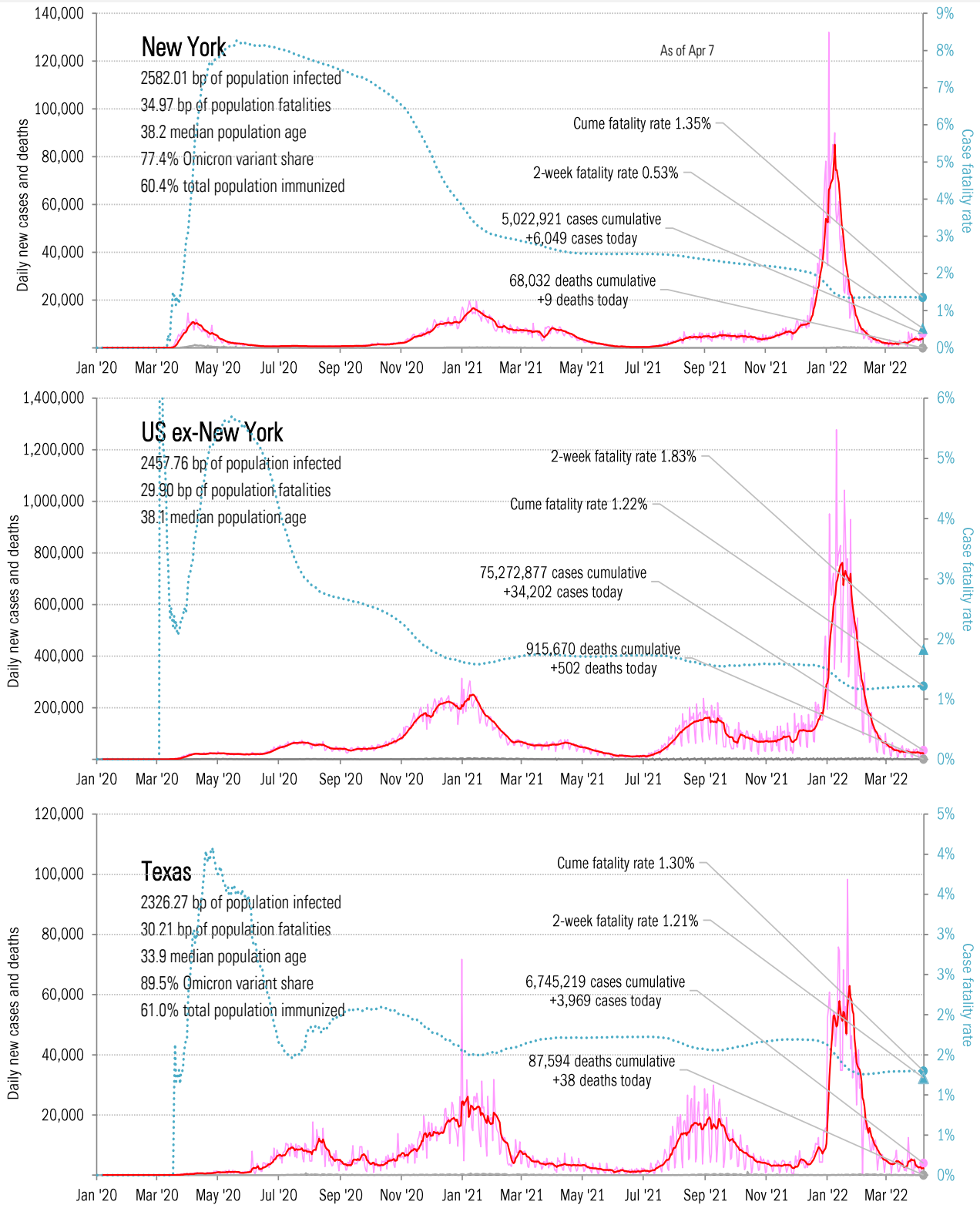


Test data for WA is temporarily unavailable.

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

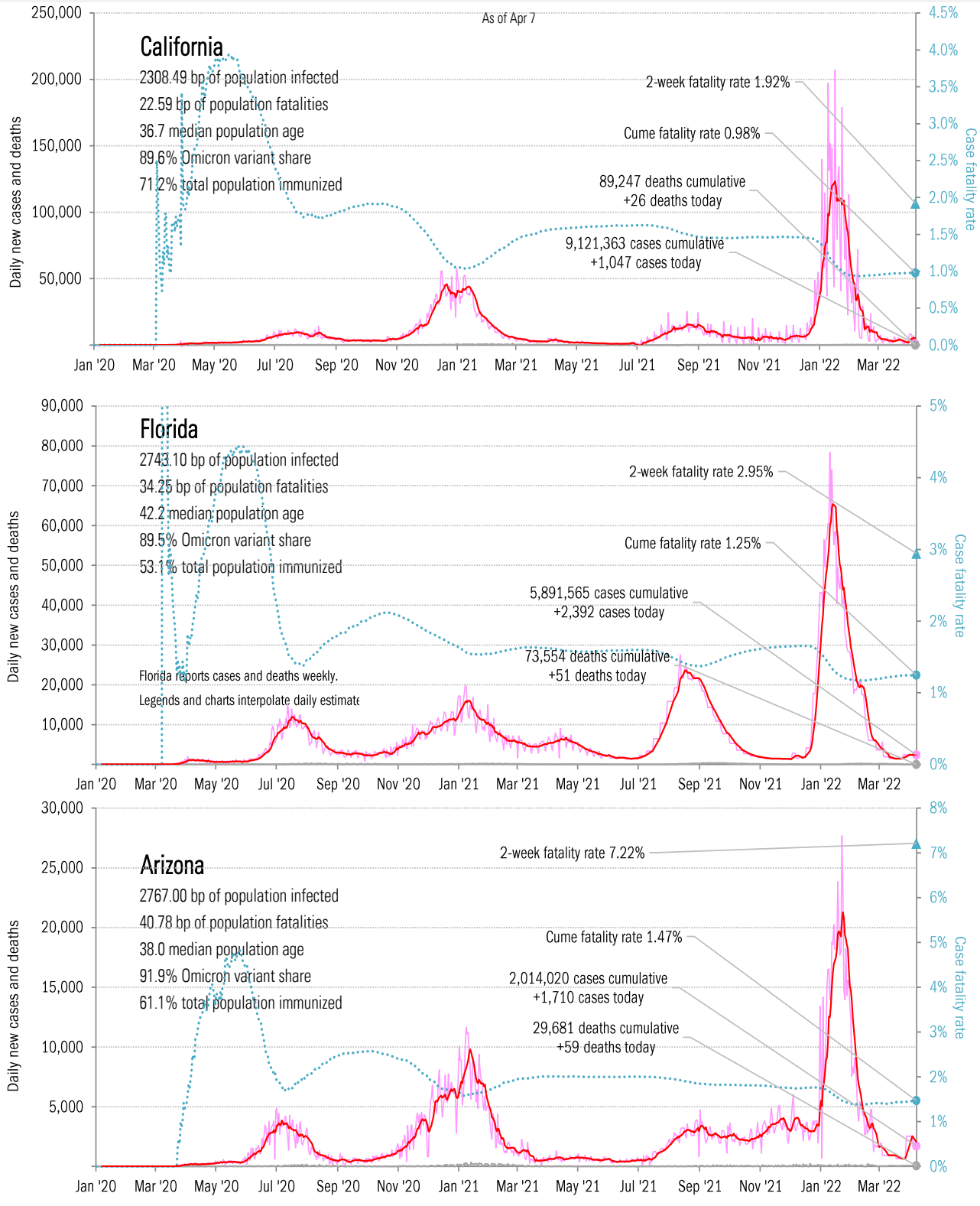
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

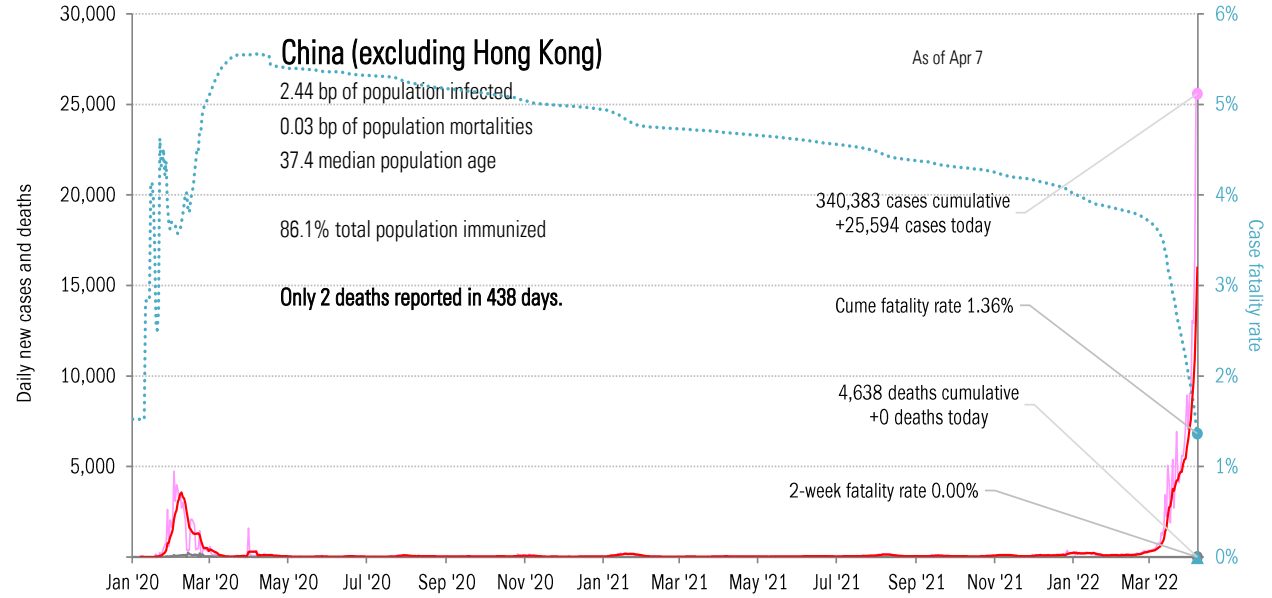
Cases: 7-day average and daily Deaths: Daily

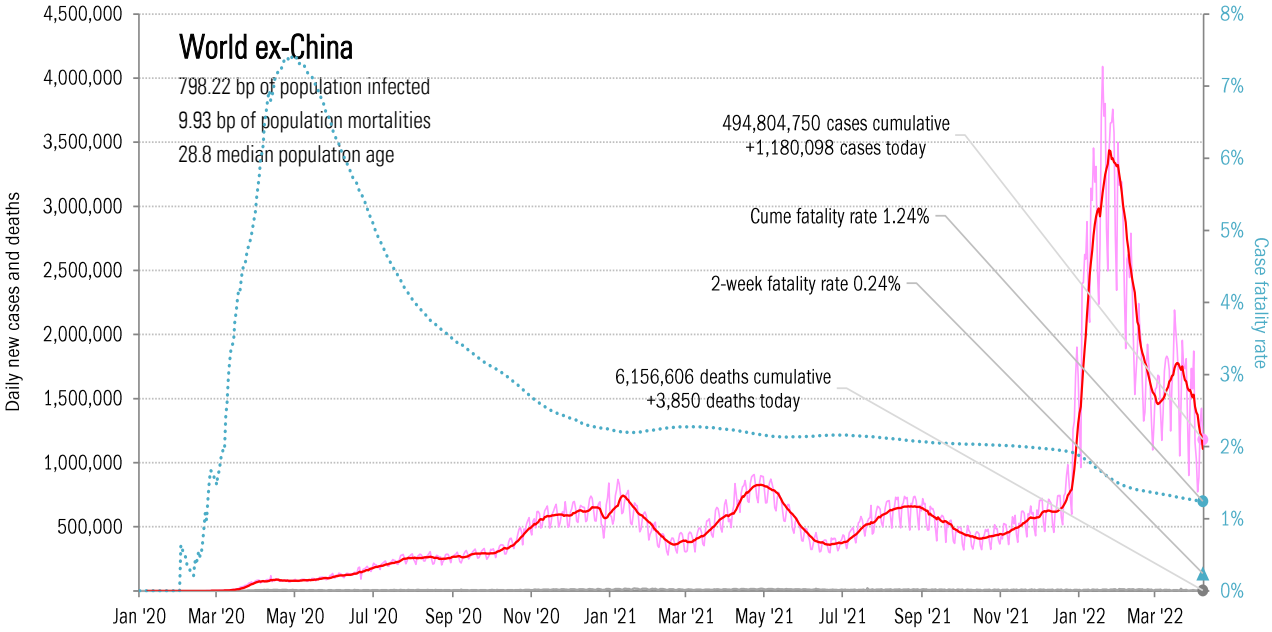


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

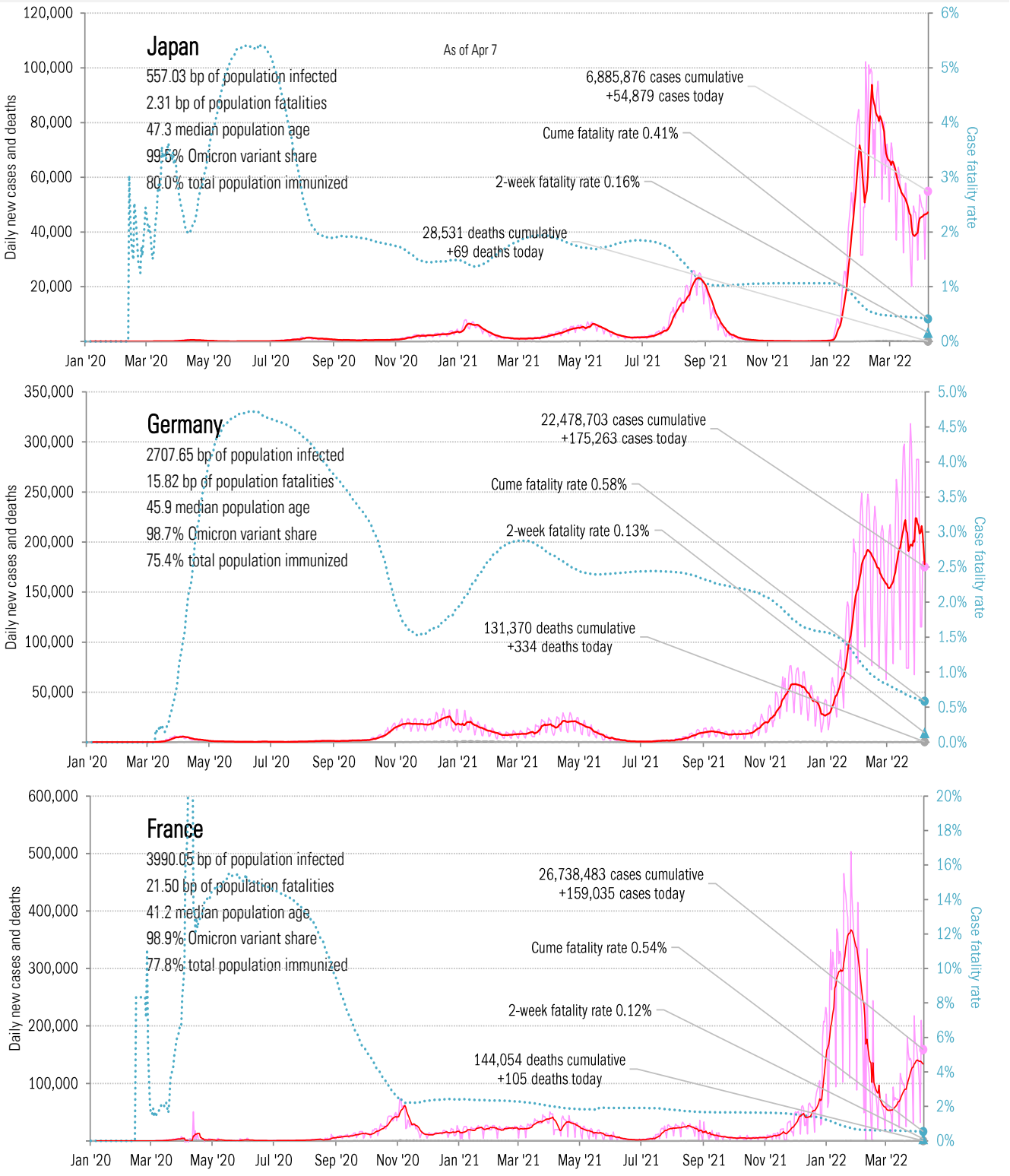




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

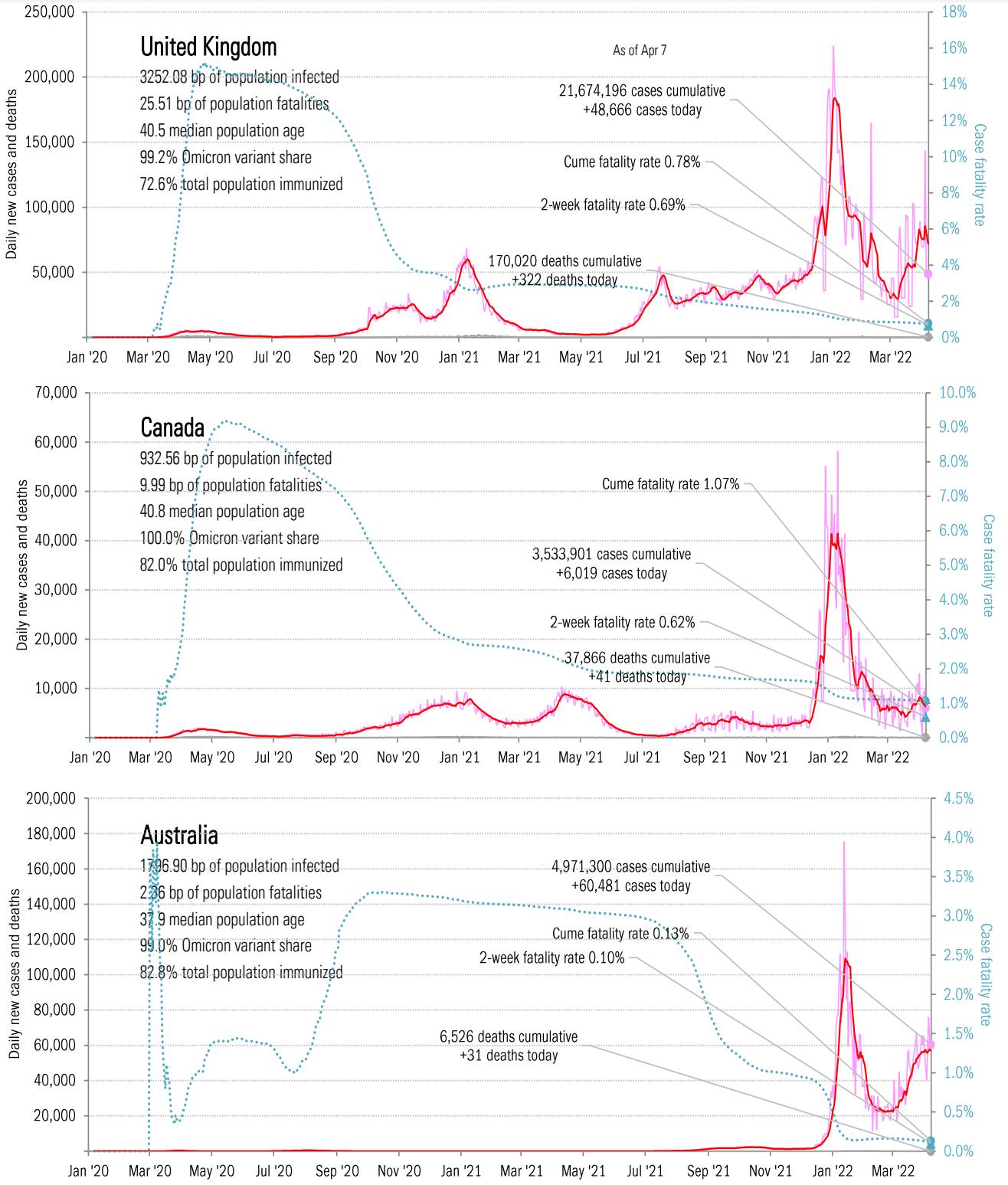
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

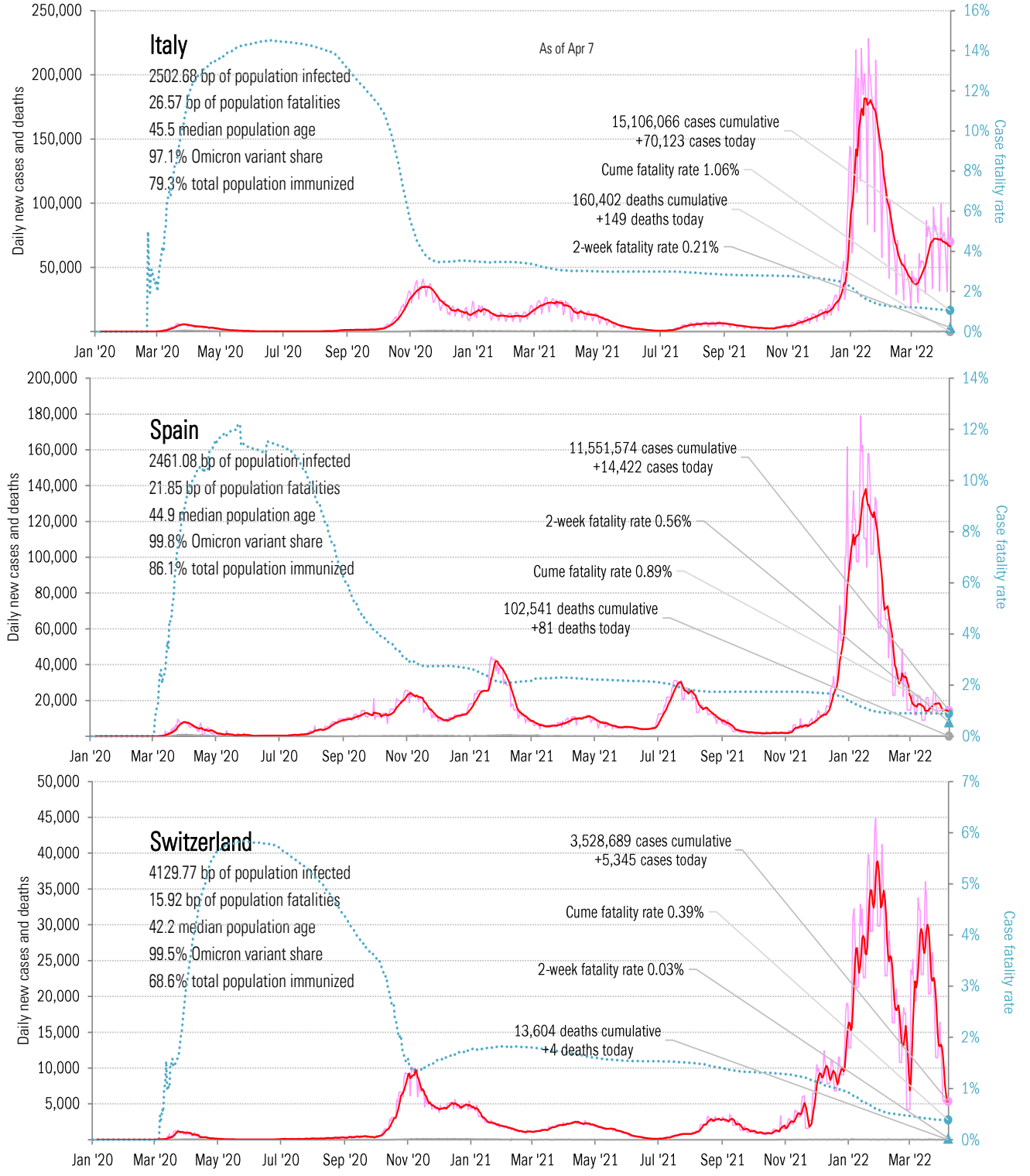
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

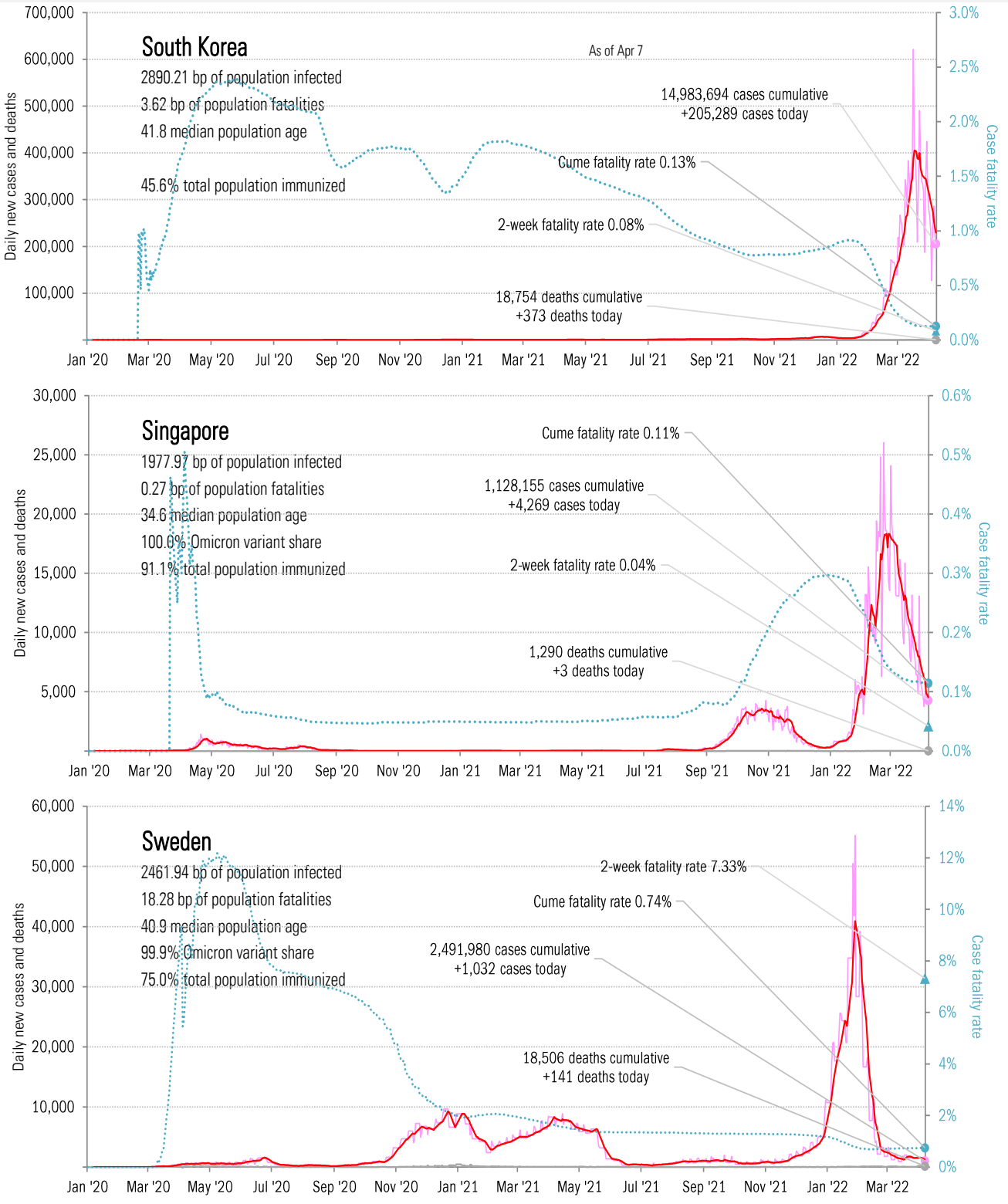
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

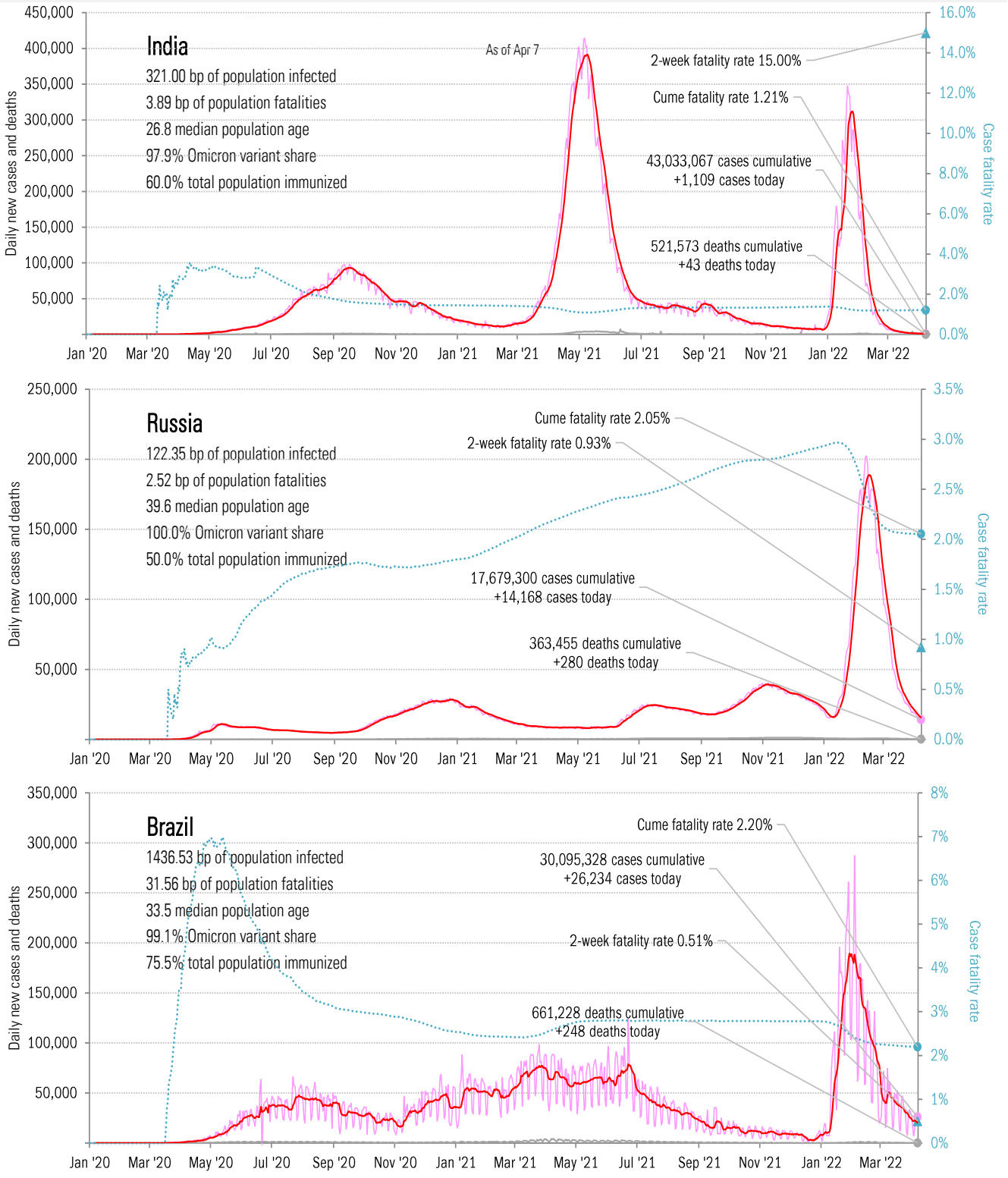
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

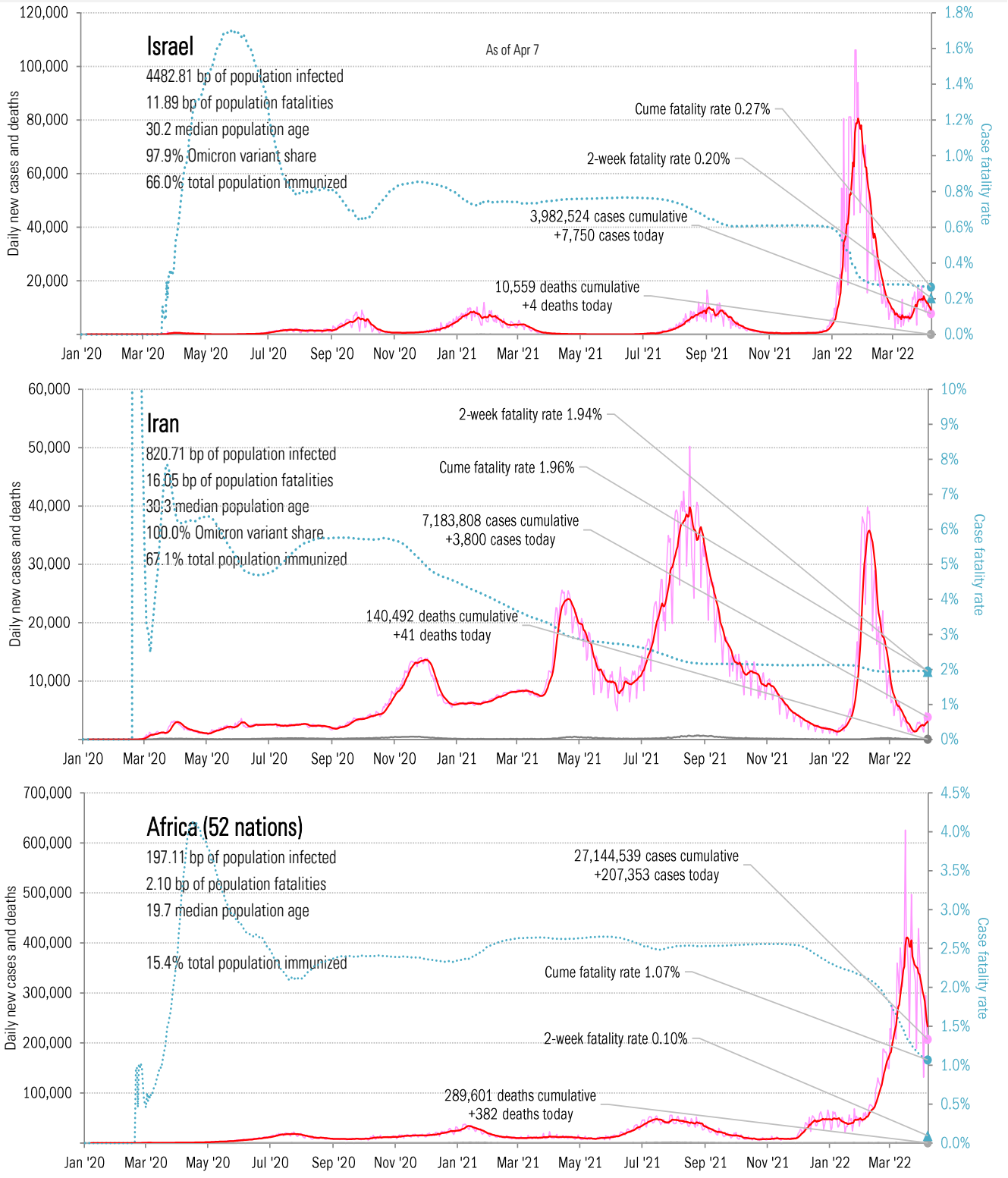
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

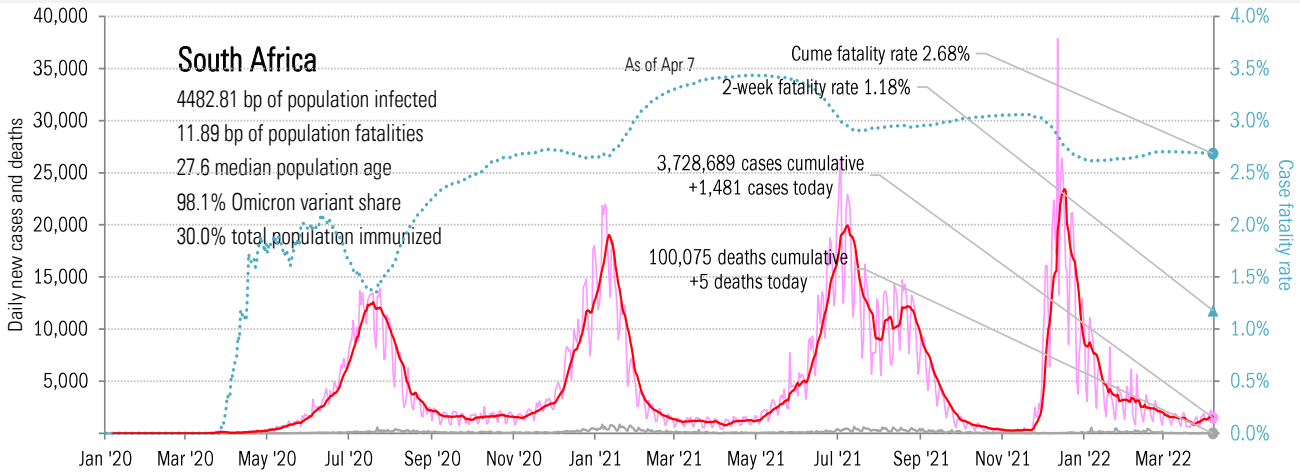
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations