Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

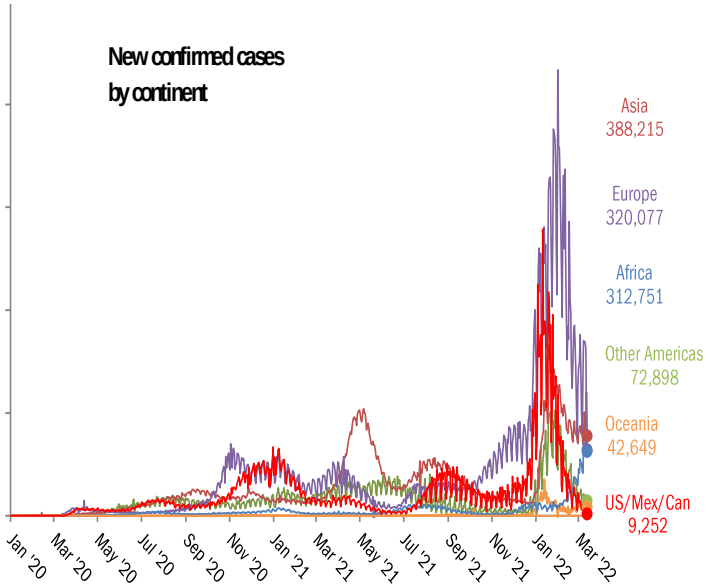
Monday, March 14, 2022

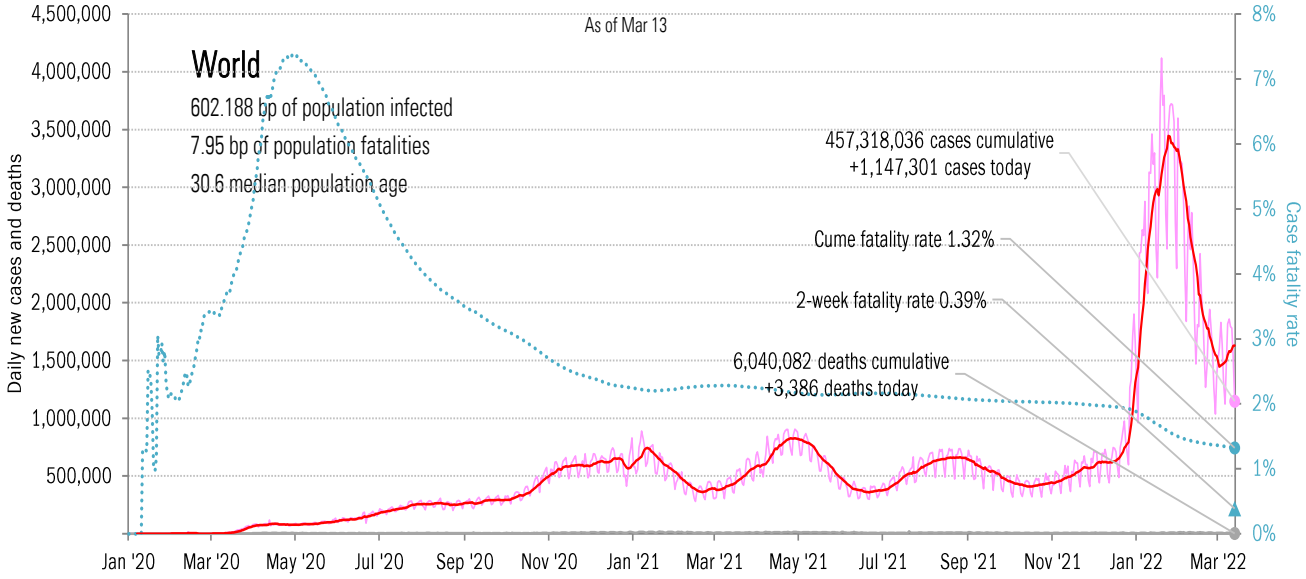
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	309,769	Russia	581
Vietnam	209,501	Chile	352
Germany	73,343	United States	291
Netherlands	52,342	Indonesia	215
Chile	51,857	Korea, South	200
Japan	50,859	Philippines	169
Italy	50,028	Turkey	138
Thailand	45,714	Brazil	125
Russia	43,951	Iran	118
Austria	38,060	Vietnam	95
	925,424		2,284
World	1,147,301	World	3,386
Top ten	81%	Top ten	67%





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

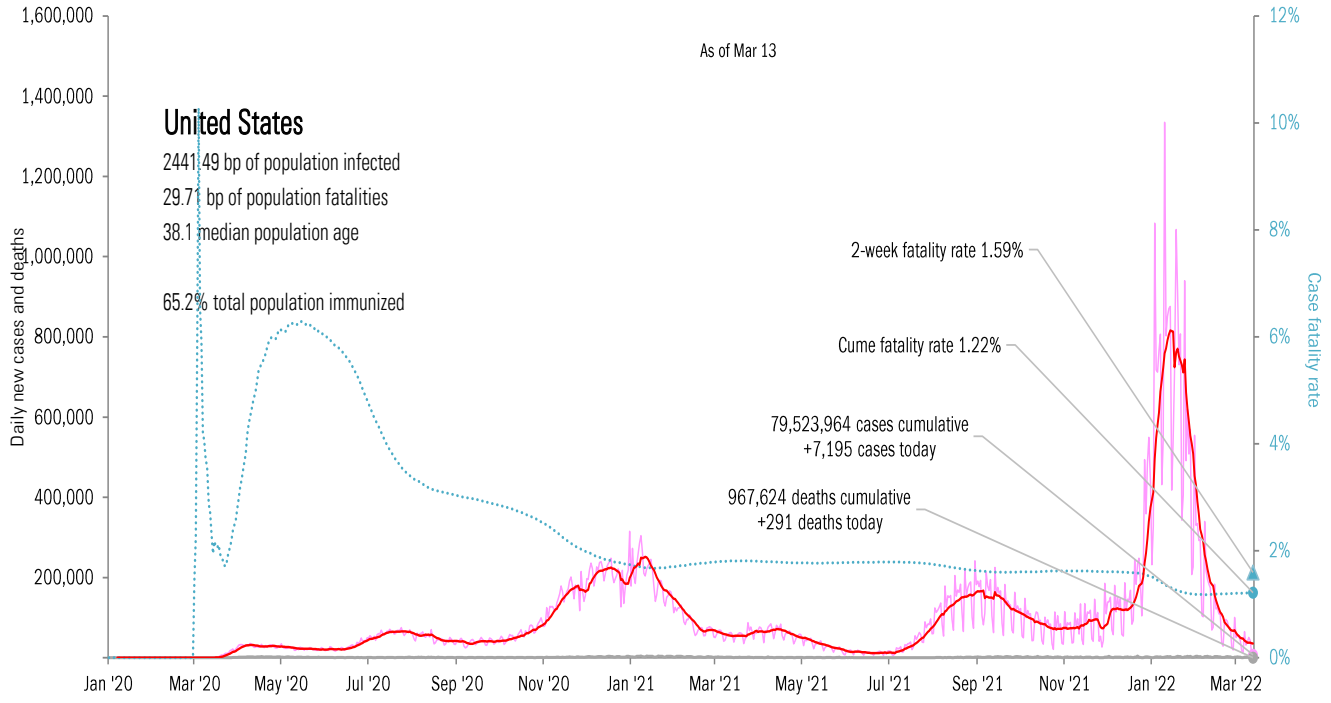
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	2,202	FL	123	IN	48	CA	9,037,504	CA	87,269	TX	483,969	ID	168%	RI	84%
FL	1,459	DE	54	NY	30	TX	6,671,818	TX	86,426	CA	419,164	RI	85%	AL	84%
TX	1,141	TX	37	WI	15	FL	5,868,999	FL	71,764	FL	411,290	MA	84%	TX	84%
NJ	468	AR	30	IA	14	NY	4,948,375	NY	67,682	NY	242,921	WV	83%	NM	83%
AR	369	NY	25	MN	9	IL	3,045,718	PA	43,839	GA	205,766	DC	83%	WA	81%
PA	366	MD	12	OR	9	PA	2,769,702	OH	37,410	OH	189,042	GA	82%	KY	81%
OH	317	PA	5	AR	8	OH	2,663,835	GA	36,193	PA	174,485	MN	82%	OK	80%
PR	295	NJ	4	TN	6	NC	2,608,603	IL	35,508	IL	155,307	WA	82%	DC	80%
MD	204	NH	1	VA	6	GA	2,476,516	MI	35,188	MI	139,610	MD	82%	NC	80%
NH	186	AK	0	IL	5	MI	2,371,788	NJ	33,106	KY	139,095	MO	81%	AK	80%
	7,007		291		150		42,462,858		534,385		2,560,649				
All states	7,195		291		-35	All states	79,523,964		967,624		4,643,517	All states	70%		67%
Top ten	97%		100%		-429%	Top ten	53%		55%		55%	Median	75%		72%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-2,091	TX	-54	PA	-27	AL	+10 bp
CA	-1,556	CA	-50	AZ	-19	CA	+10 bp
PA	-457	PA	-21	DE	-15	IL	+10 bp
IA	-419	NJ	-11	UT	-13	IN	+10 bp
TN	-415	ME	-3	WY	-7	KS	+10 bp



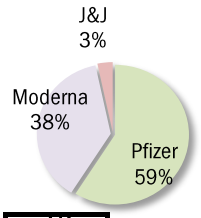
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	571,977,662				+0.103 million
Boosters	97,229,571				+0.039 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	262,184,546	78%	222,863,940	67%	+0.031 million
Age 12 to 17	17,432,731	69%	14,860,460	59%	+0.003 million
Age 18 to 64	176,676,906	87%	149,828,421	74%	+0.016 million
Age 65 and over	58,247,446	100%	50,415,528	92%	+0.003 million

Immunity	Full	Partial
US	65.2%	76.7%
UK	72.1%	77.3%
France	77.7%	80.1%
Spain	85.2%	87.9%
Germany	75.0%	75.8%
Italy	79.0%	84.0%
Australia	80.3%	85.8%
Israel	65.9%	72.1%
Canada	81.5%	85.7%
Japan	79.6%	80.8%
Africa	14.2%	19.3%
India	58.2%	69.5%
Brazil	73.7%	84.0%
China	85.5%	87.9%

Global data differs due to sources, timing



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

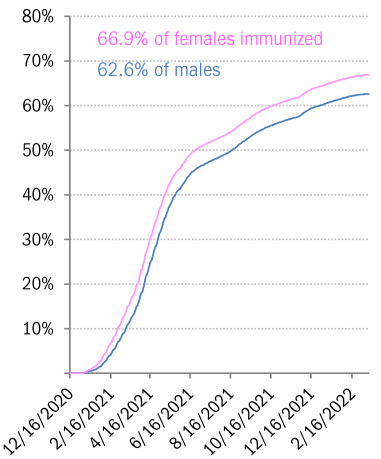
"Immunity" = two doses

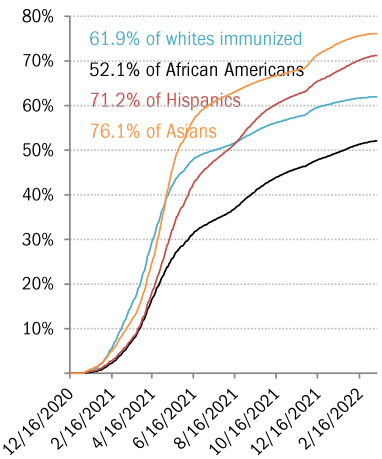
Best
Middle
Worst

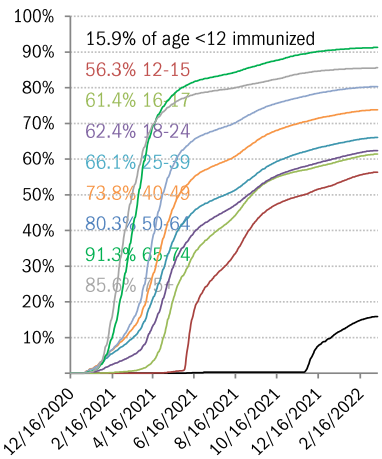
As of Mar 13

					WI					ME
					71.3%					89.2%
					64.9%					78.6%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.0%	60.5%	64.7%	64.5%	74.5%	76.2%	66.4%		89.3%	92.7%	95.0%
71.7%	53.4%	56.1%	54.5%	68.5%	67.8%	59.6%		75.9%	80.4%	69.4%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.2%	74.3%	58.2%	75.2%	67.4%	60.9%	63.1%	83.6%	89.4%	95.0%	
68.9%	60.0%	50.8%	60.2%	61.3%	54.3%	57.8%	67.3%	74.6%	77.9%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.2%	71.3%	78.6%	69.5%	65.6%	65.5%	64.4%	84.7%	85.2%	94.3%	95.0%
70.8%	63.4%	69.5%	62.7%	55.4%	56.7%	57.0%	72.3%	74.4%	78.1%	81.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	71.8%	86.4%	73.8%	66.0%	61.5%	82.7%	66.9%	95.0%	82.1%	
	60.5%	70.0%	60.6%	53.7%	53.8%	59.6%	56.3%	72.0%	68.0%	
			OK	LA	MS	AL	GA			
			70.2%	60.5%	59.0%	62.1%	64.6%			
			56.3%	52.9%	51.2%	50.5%	53.9%			
HI			TX					FL		PR
86.7%			71.5%					78.3%		95.0%
77.5%			60.4%					66.2%		81.9%

The demographics of US vaccination



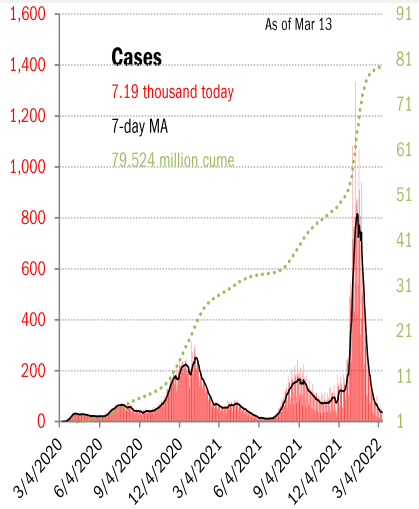


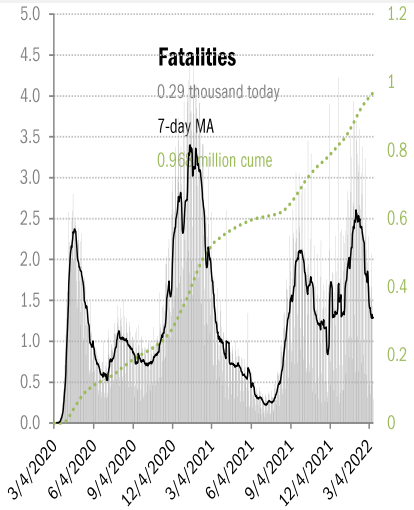


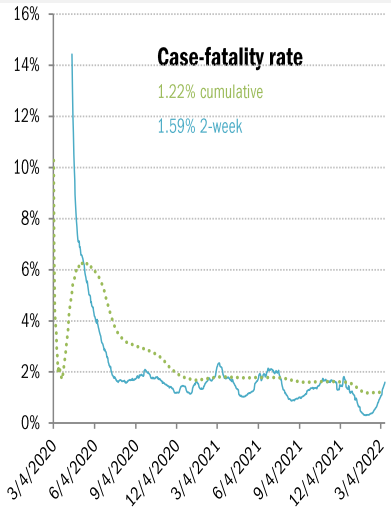
Source: CDC, CDC, Our World in Data, TrendMacro calculations

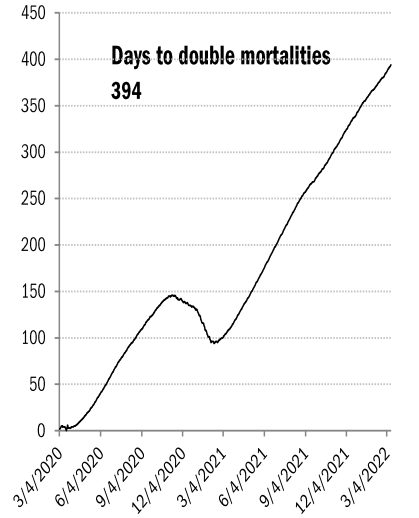
US deep-dive

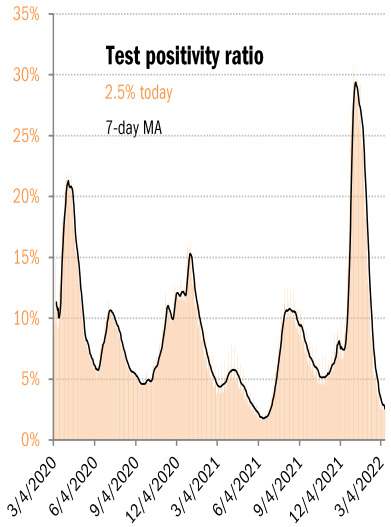
National and state-by-state data do not line up because of different sources

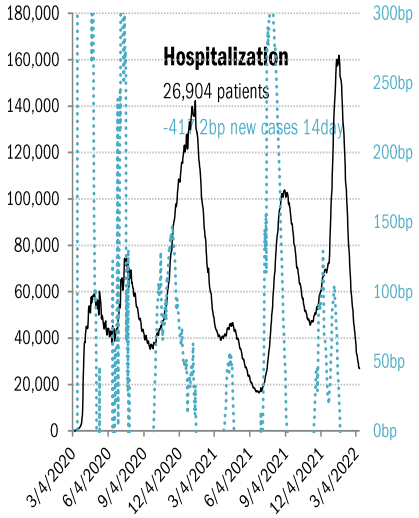


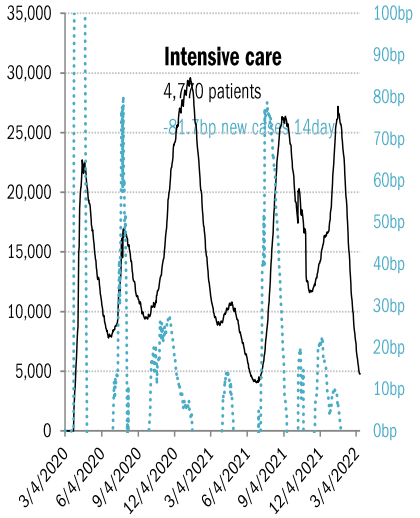


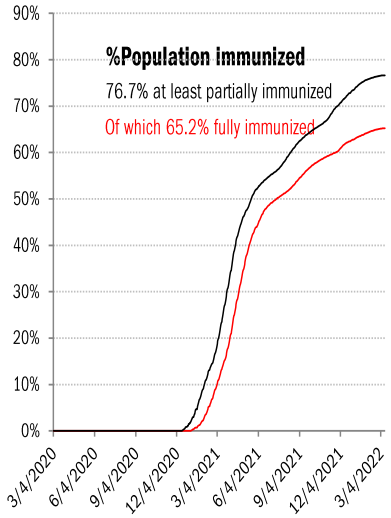










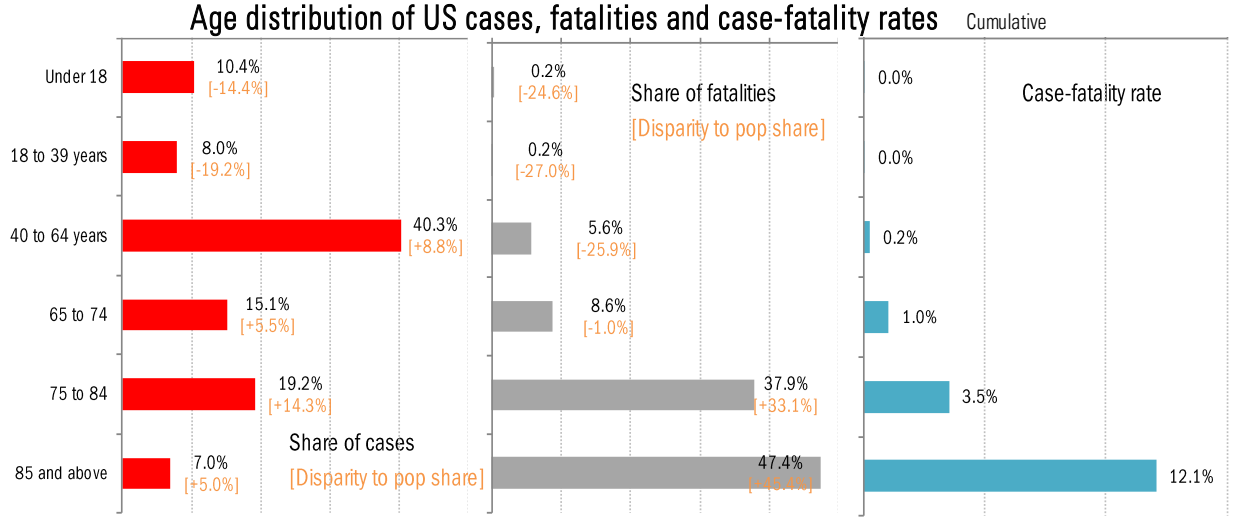


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

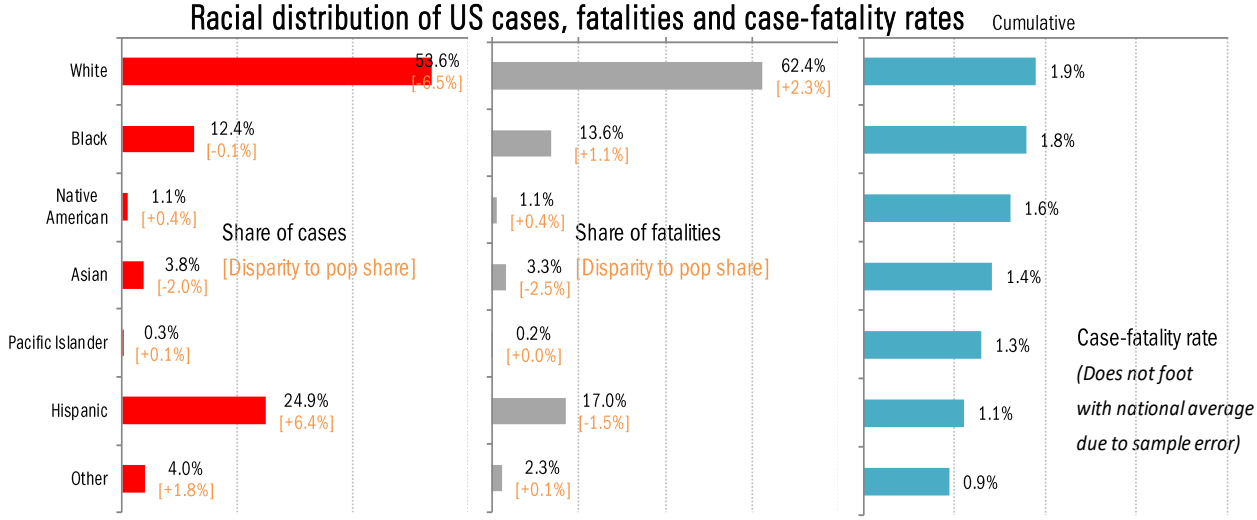
US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

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

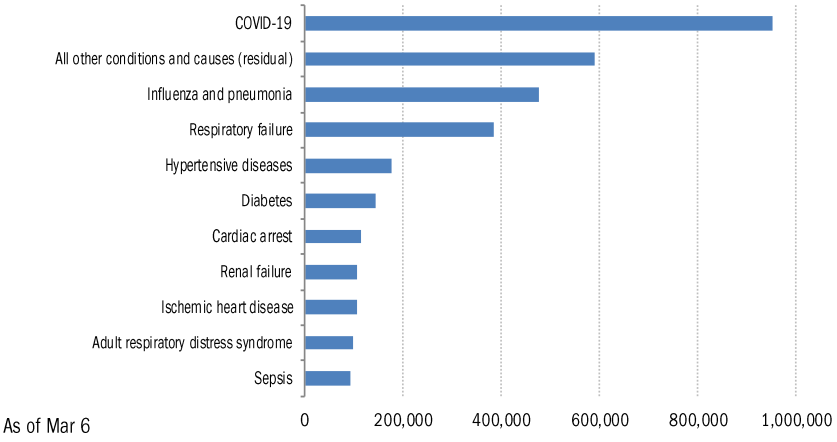


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Mar 6

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

[Chaos of War in Ukraine Could Fuel New Covid Surge, Doctors Say]
Carlotta Gall
New York Times
March 13, 2022

[On Pacific Islands Covid Once Spared, an Outbreak Accentuates Inequality]
Hannah Beech
New York Times
March 12, 2022

[China-Owned Forbes Fired a Top Transparency Columnist After a Pressure Campaign from Fauci's NIH]
Natalie Winters
National Pulse
March 9, 2022

[Barack Obama Reveals He Has COVID: 'Get Vaccinated']
Danika Fears
Daily Beast
March 13, 2022

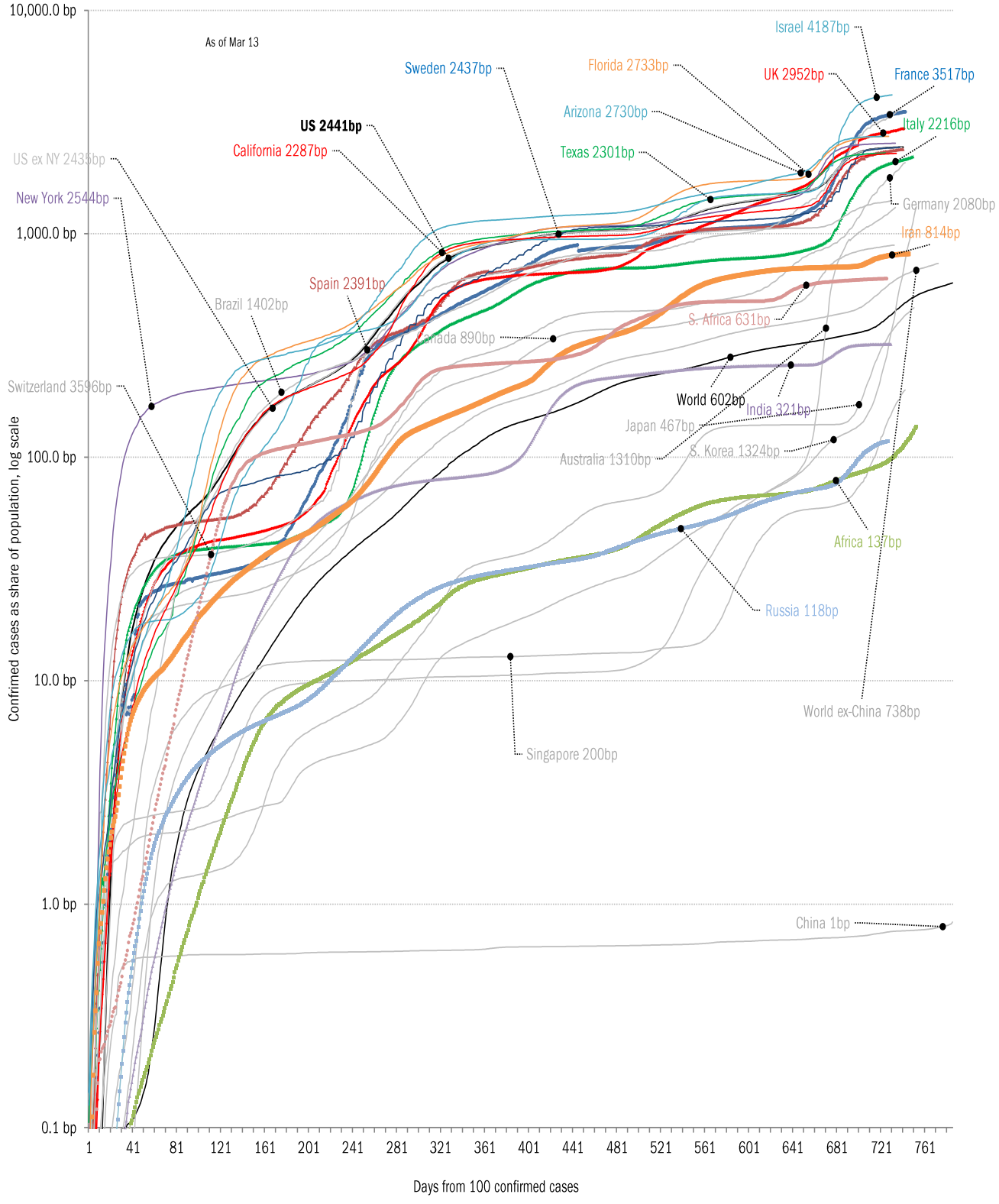
[Two Years On, When Do We Get Our Apologies?]
Kevin Roche
Healthy Skeptic
March 13, 2022

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

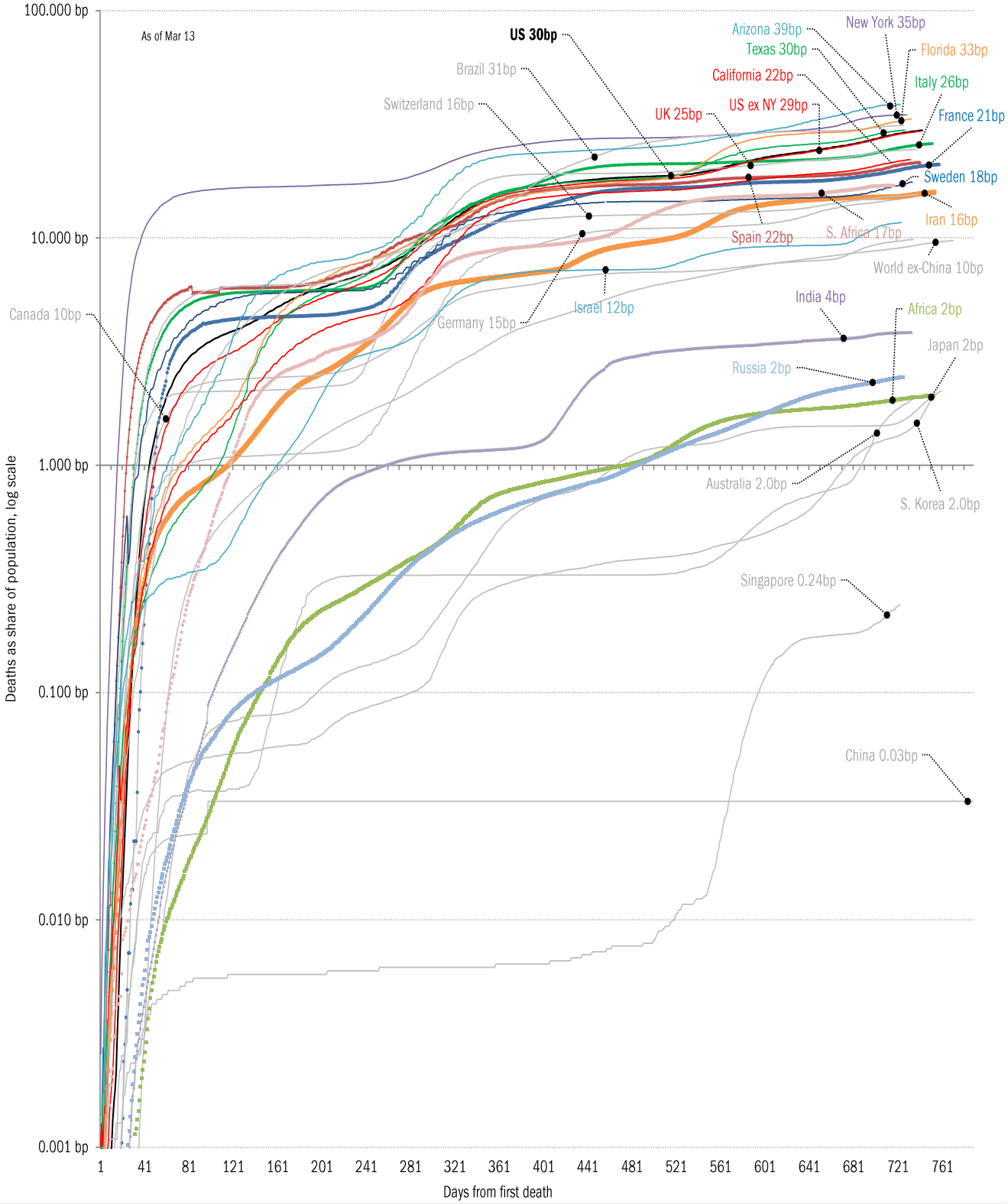
Share of infected population from first day with 100 confirmed cases, log scale



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

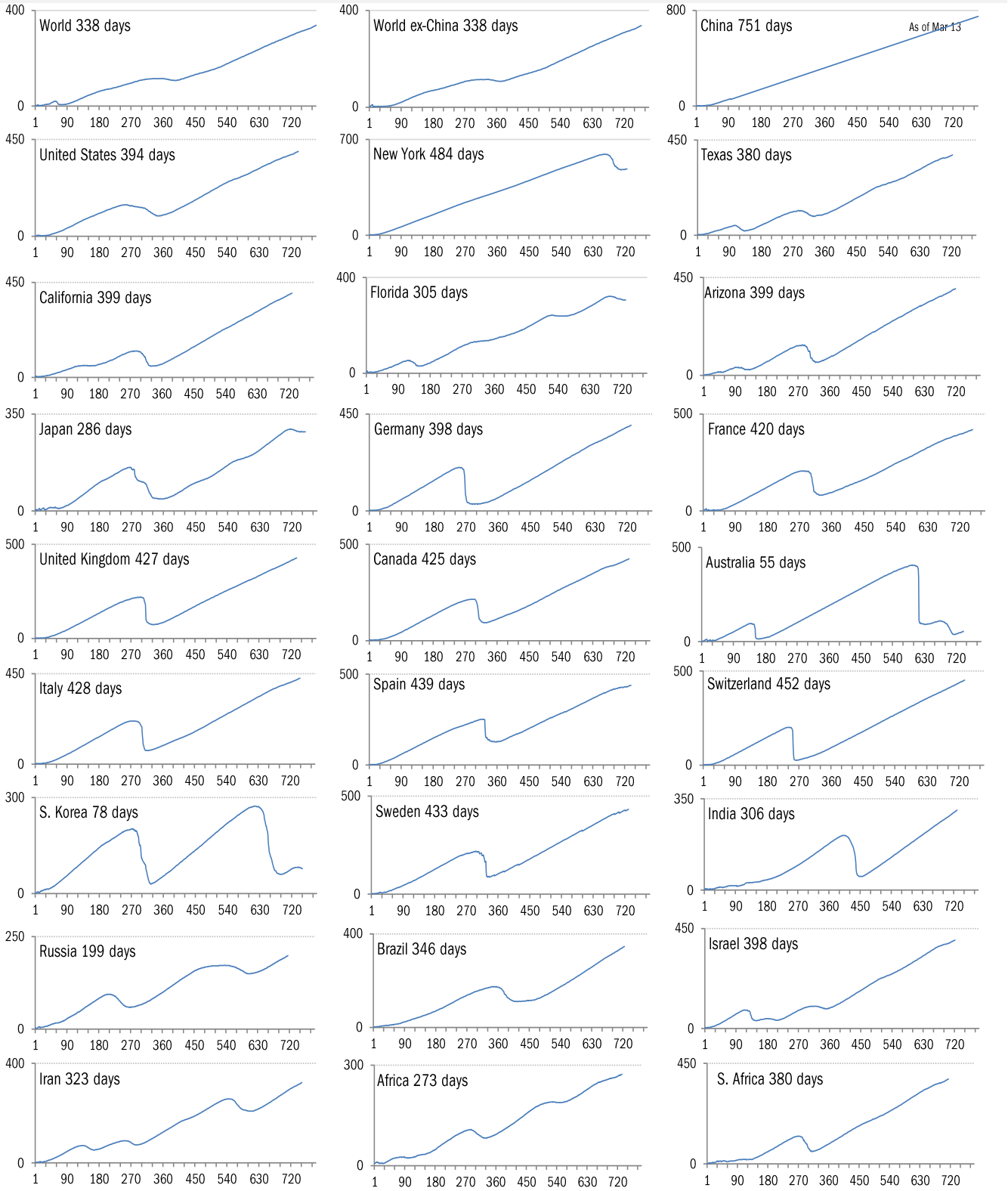


Source: Johns Hopkins, TrendMacro calculations

"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

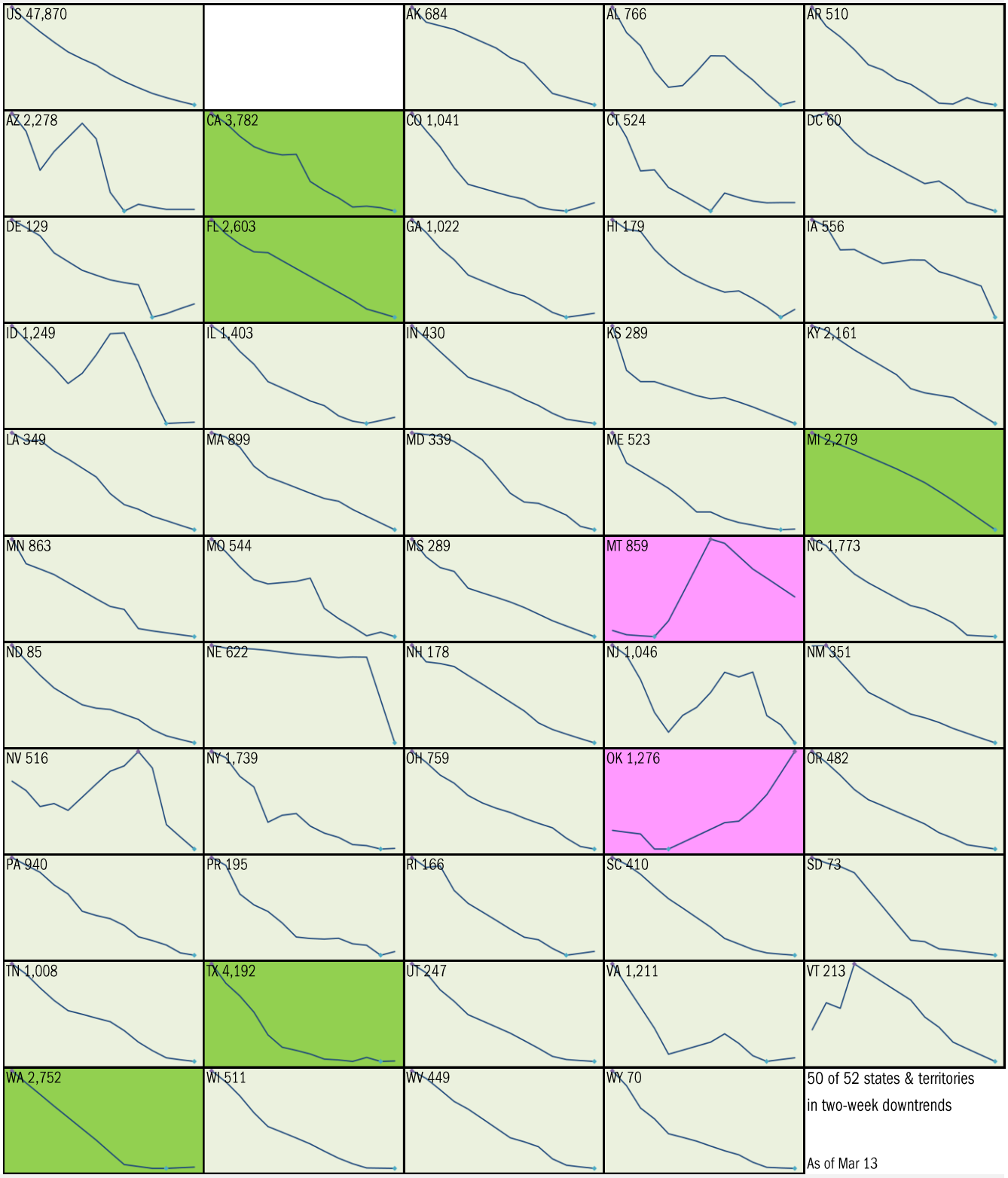


Source: Johns Hopkins, TrendMacro calculations

14-day "downward 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

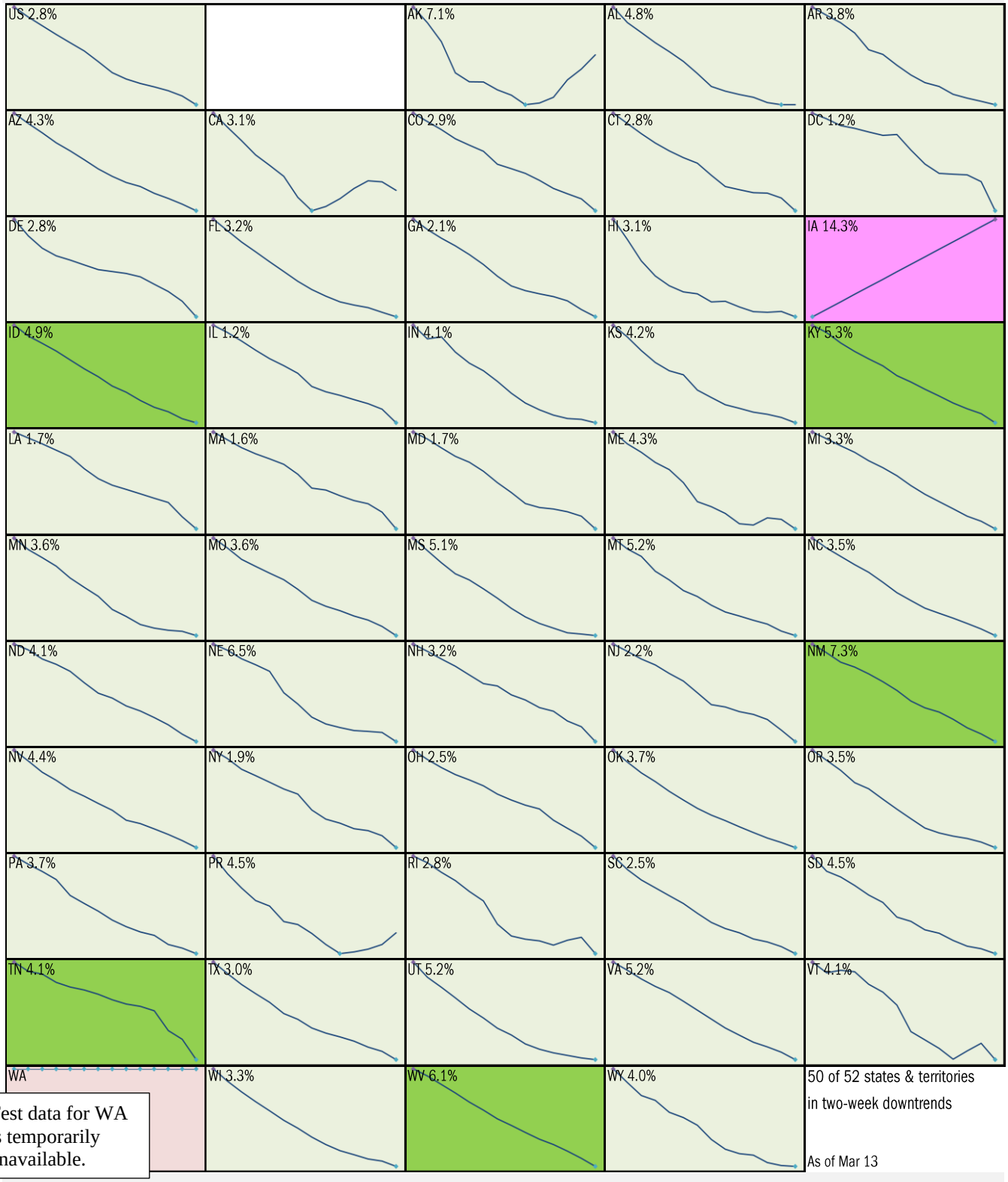


Source: Johns Hopkins, TrendMacro calculations

14-day "downward 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

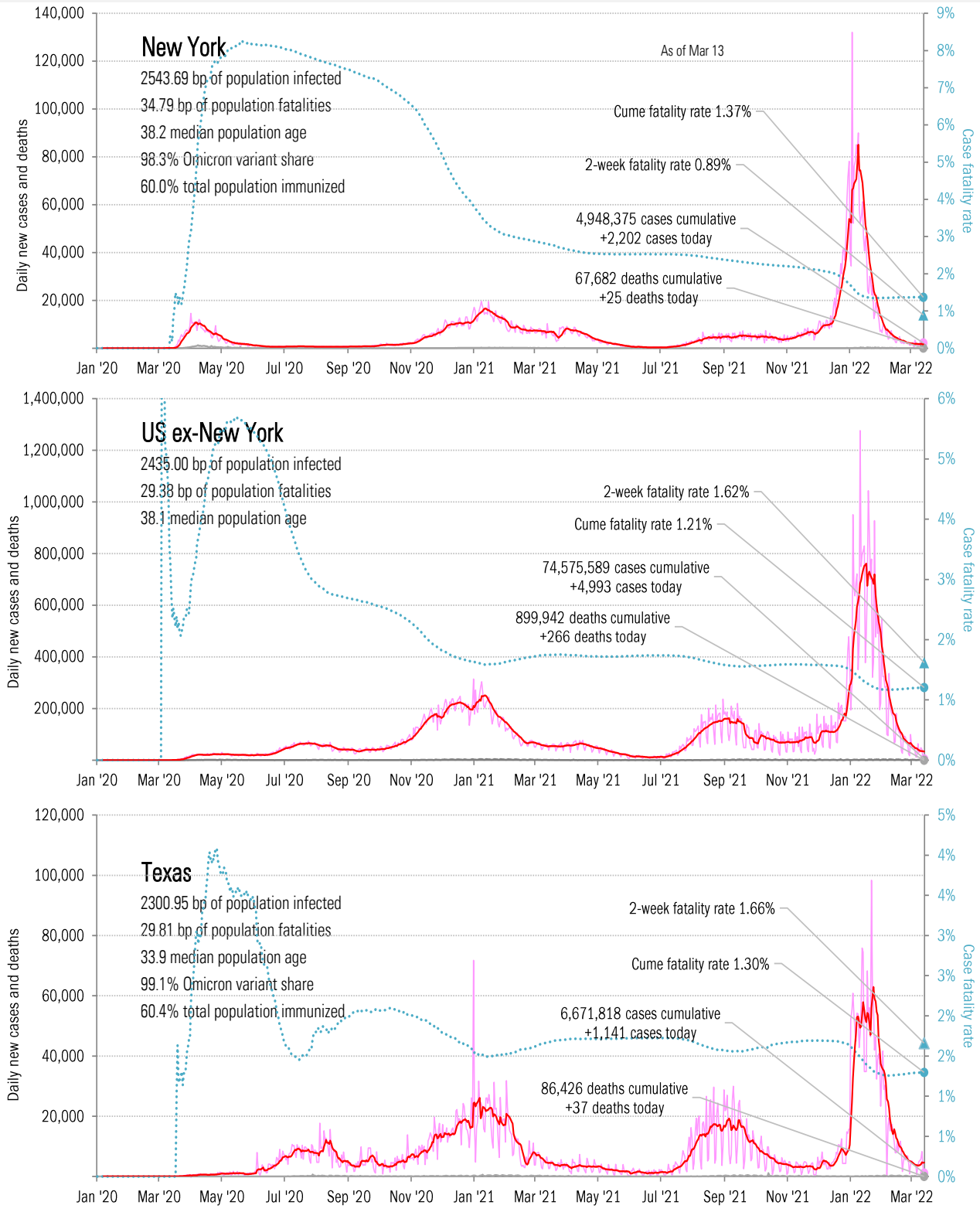


Test data for WA is temporarily unavailable.

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

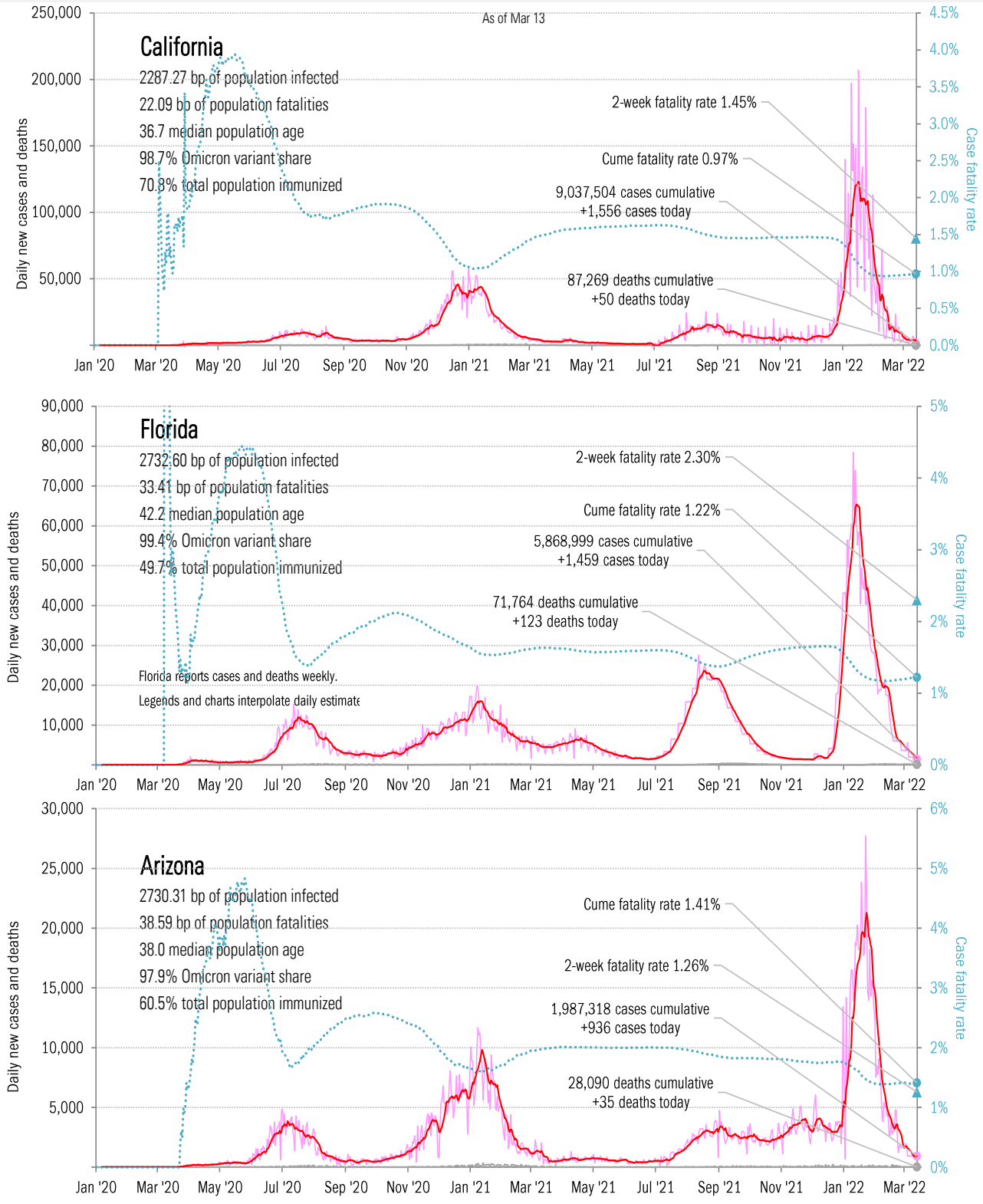
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

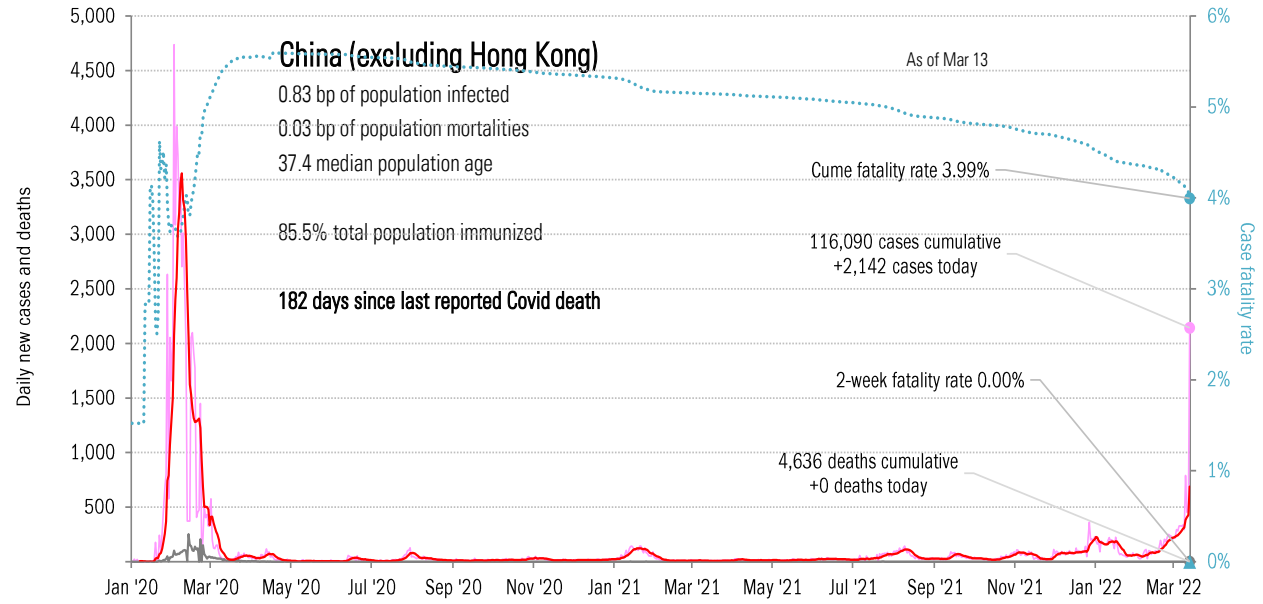
Cases: 7-day average and daily Deaths: Daily

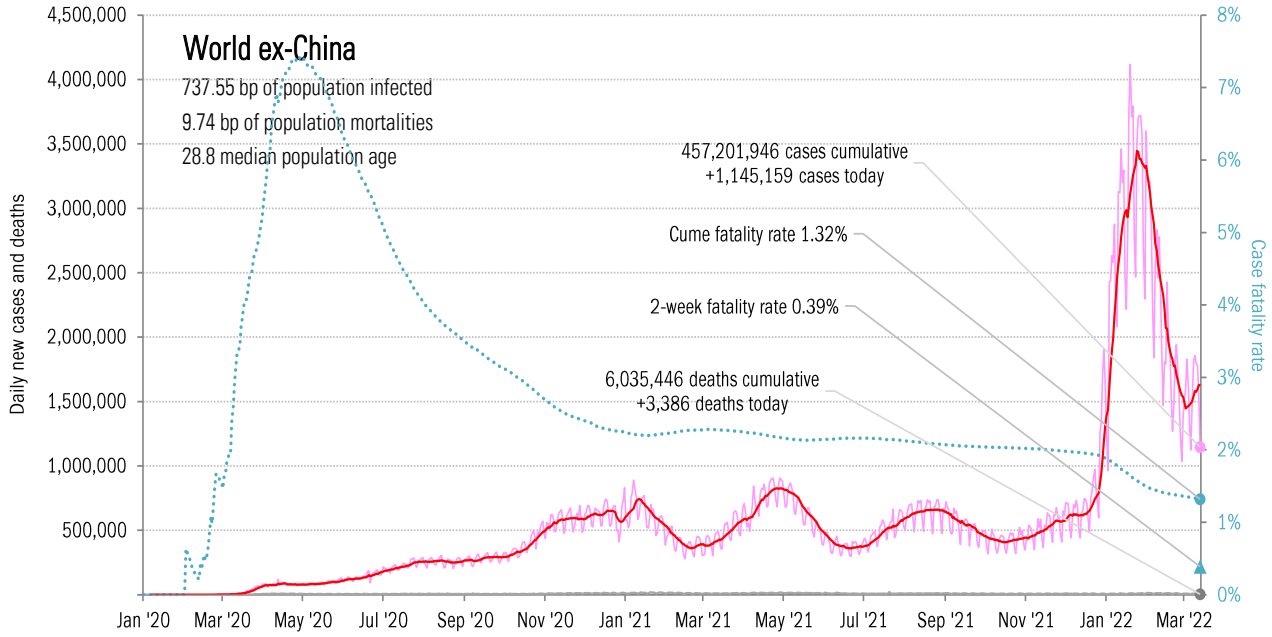


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

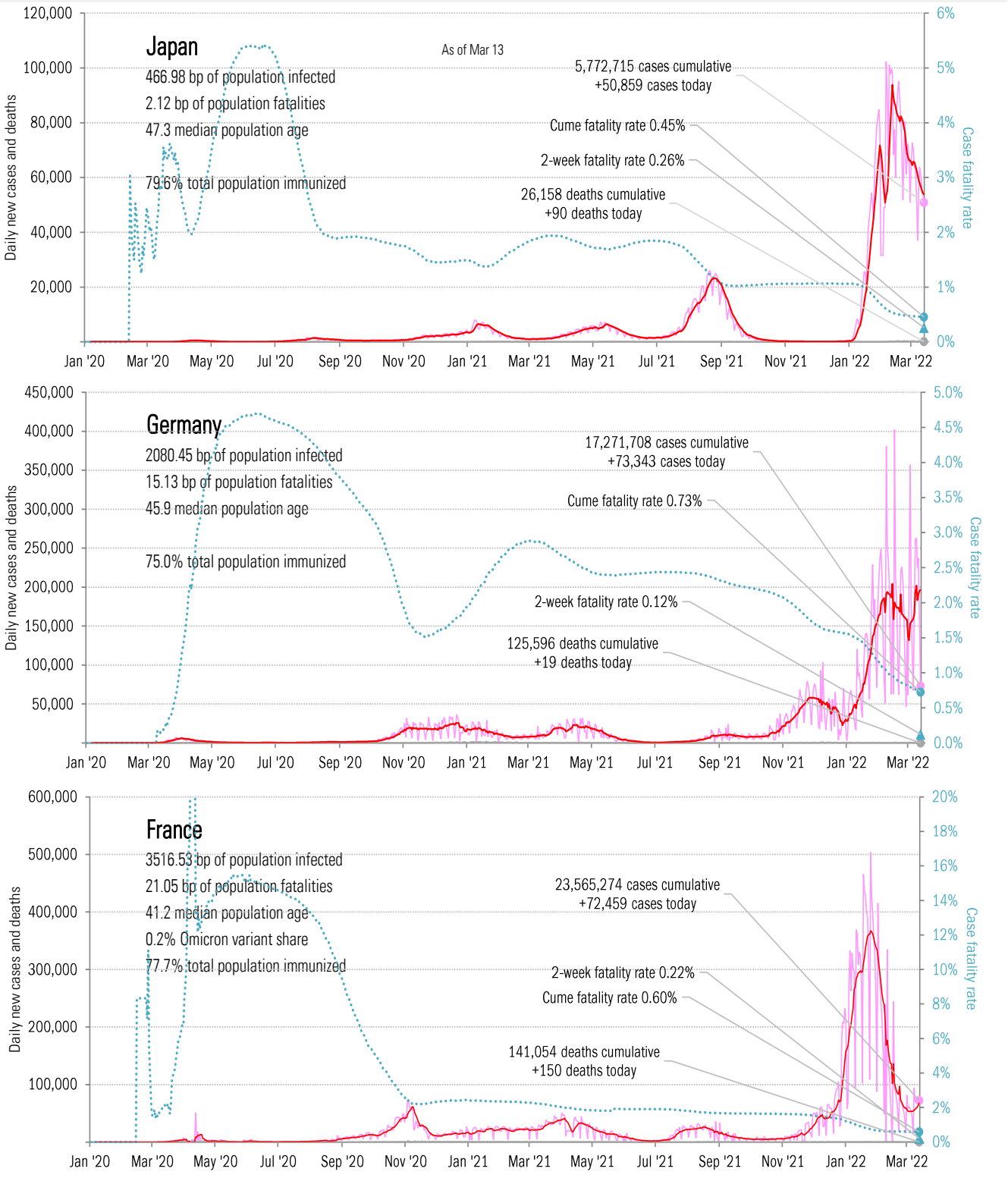




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

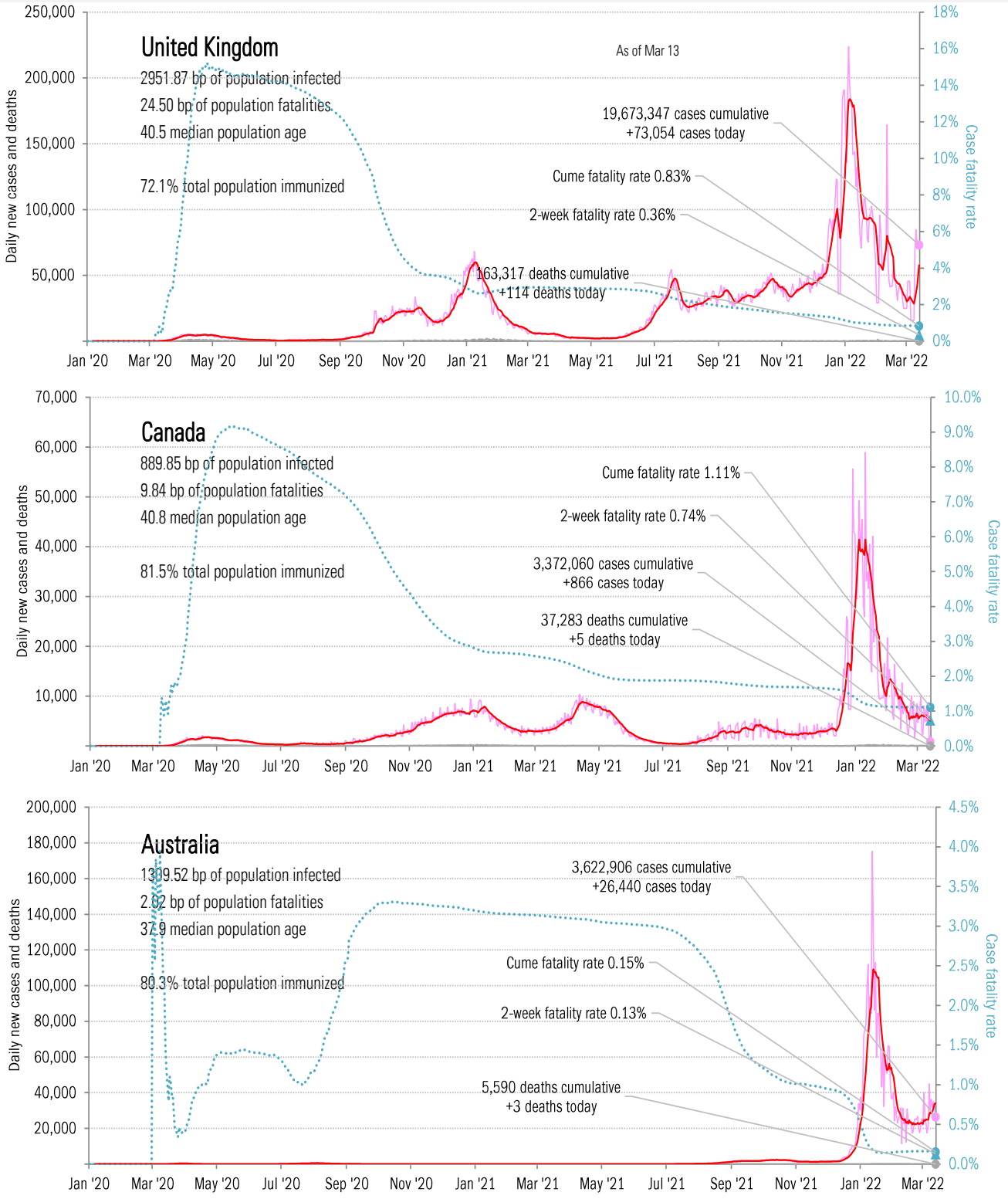
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

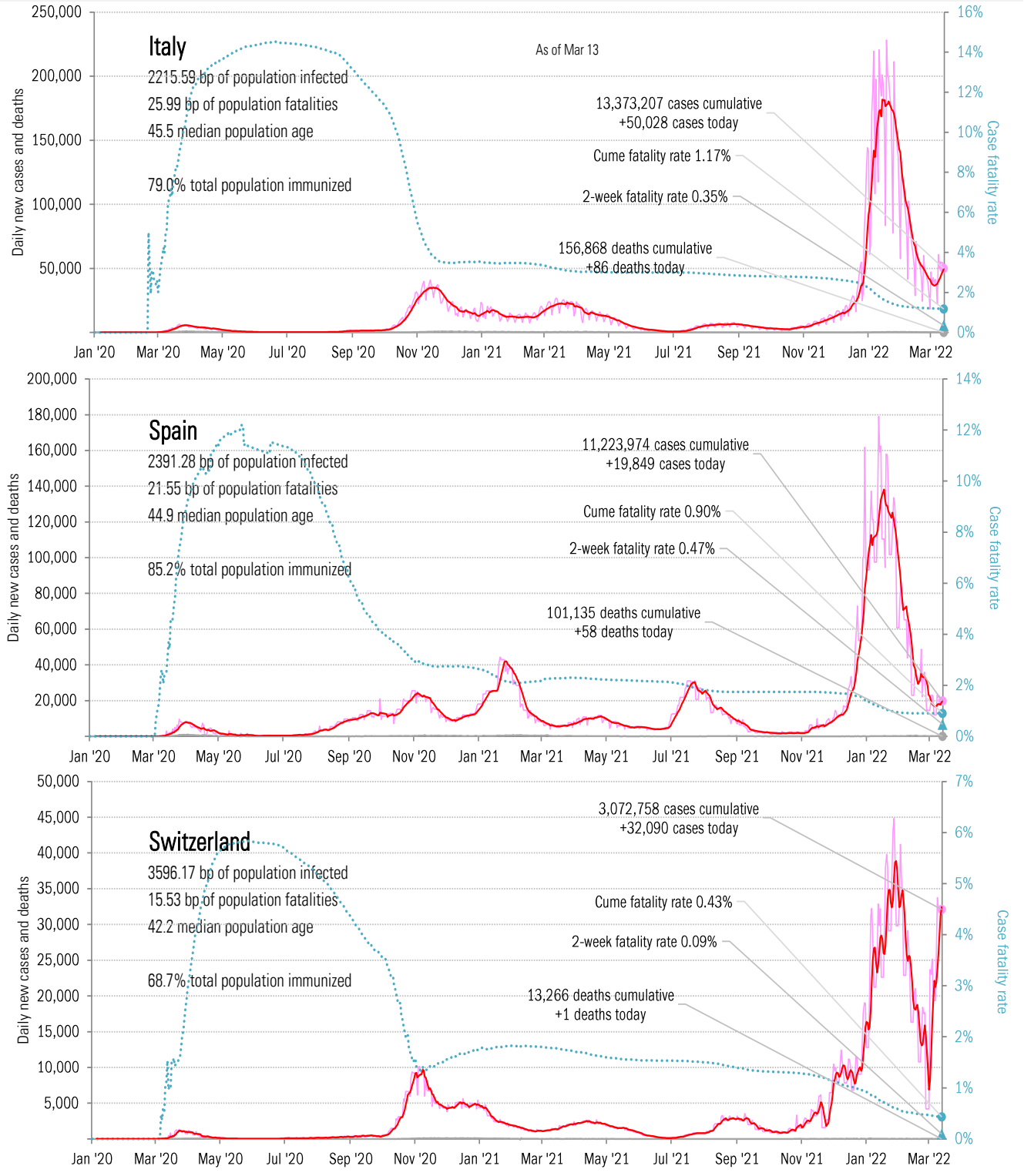
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

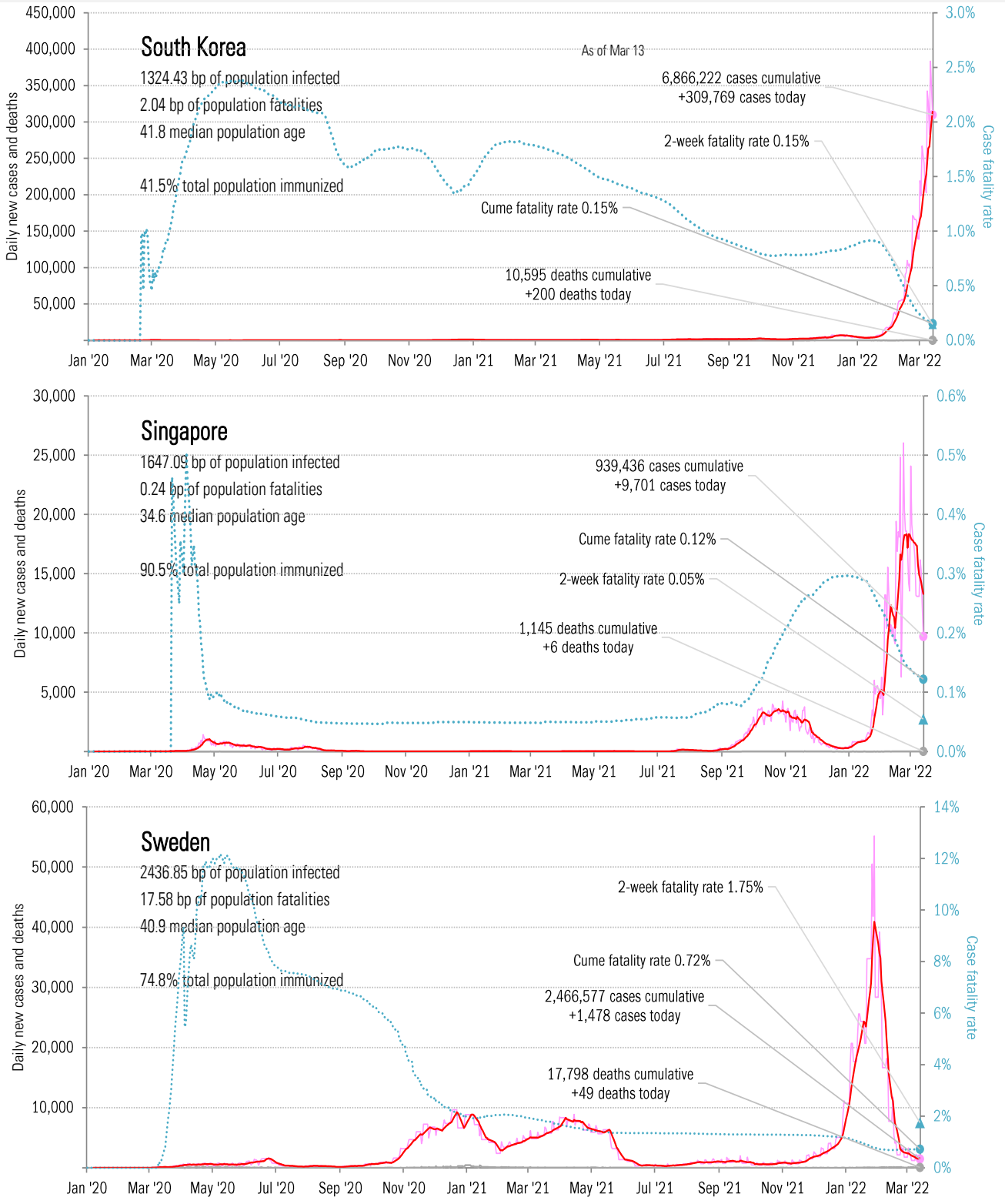
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

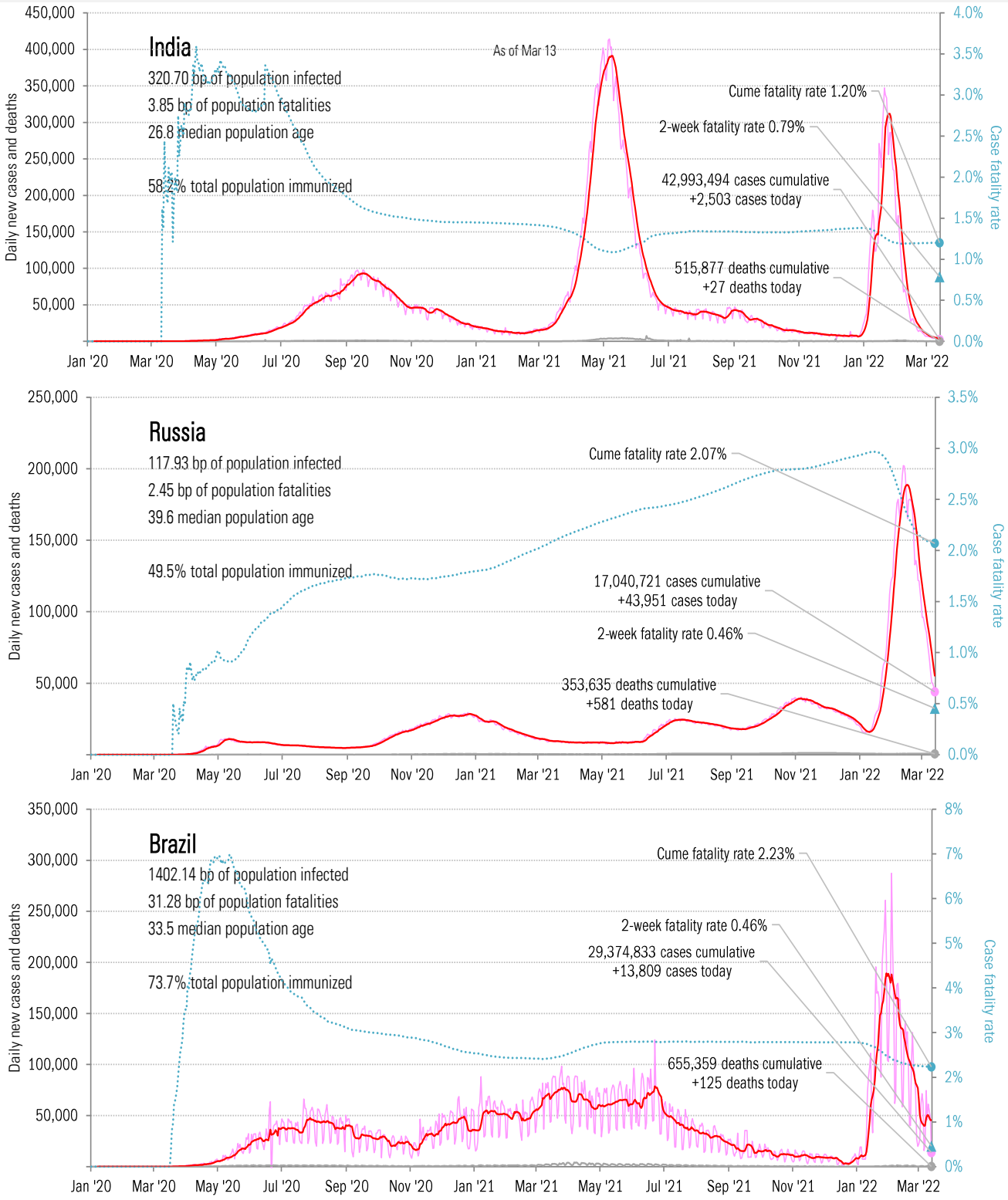
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

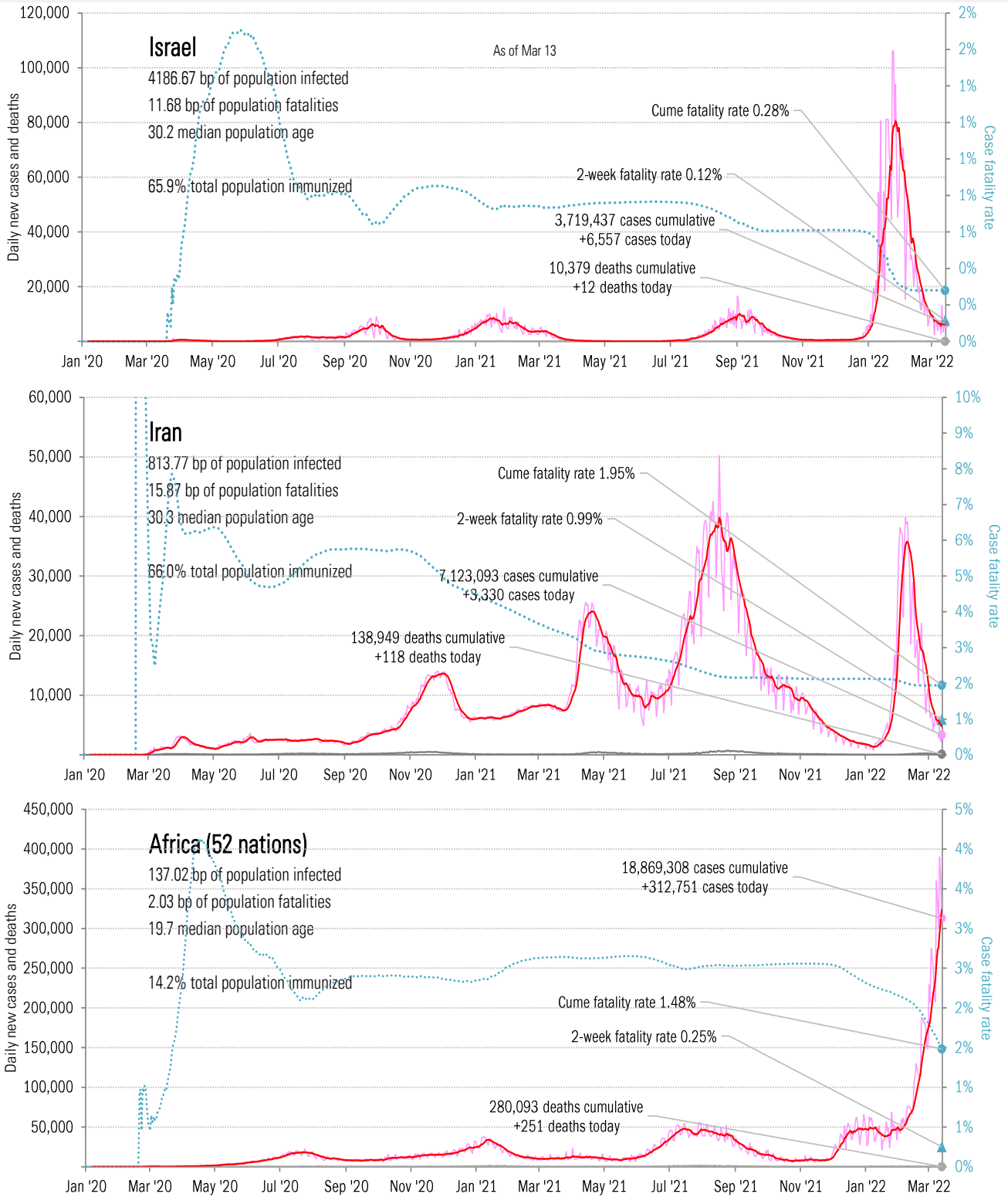
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

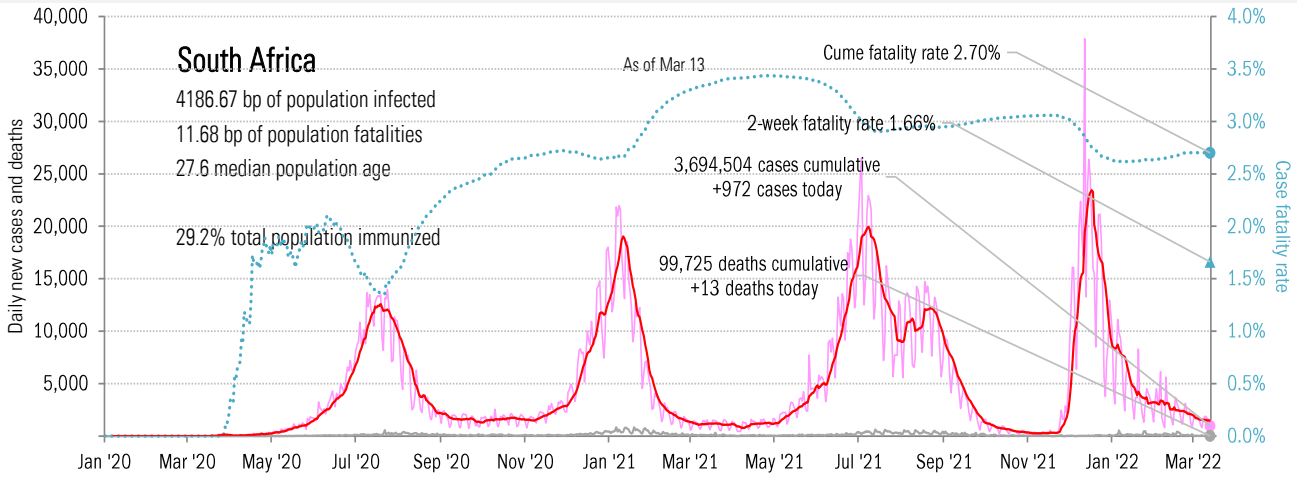
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations