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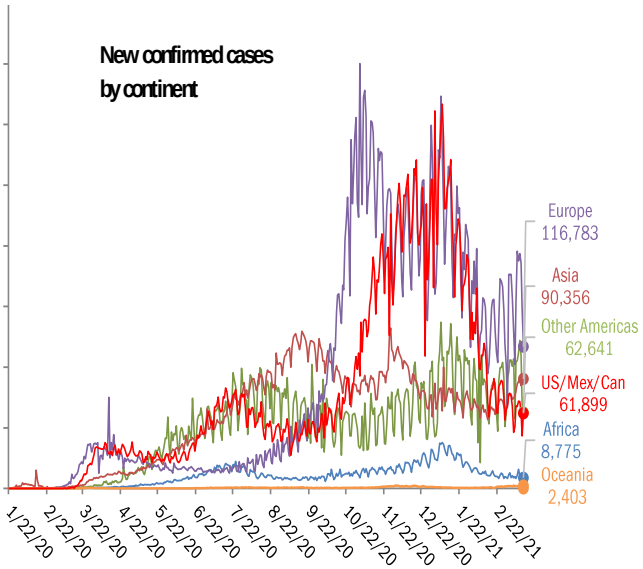
Data Insights: Covid-2019 Monitor

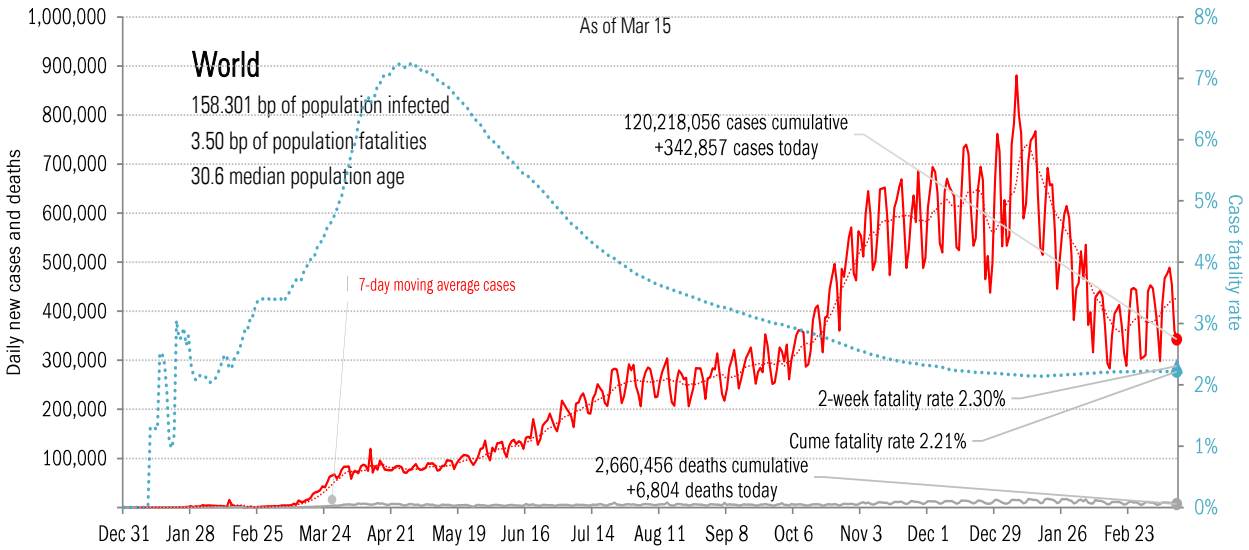
Tuesday, March 16, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+56,649	Brazil	+1,057
Brazil	+36,239	United States	+740
India	+24,492	Russia	+400
Turkey	+15,503	Italy	+354
Italy	+15,252	France	+341
Spain	+11,358	Germany	+238
Poland	+10,895	Mexico	+234
Jordan	+9,417	Bulgaria	+187
Russia	+9,347	Argentina	+166
Iran	+7,980	Spain	+166
	+197,132		+3,883
World	+342,857	World	+6,804
Top ten	57%	Top ten	57%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

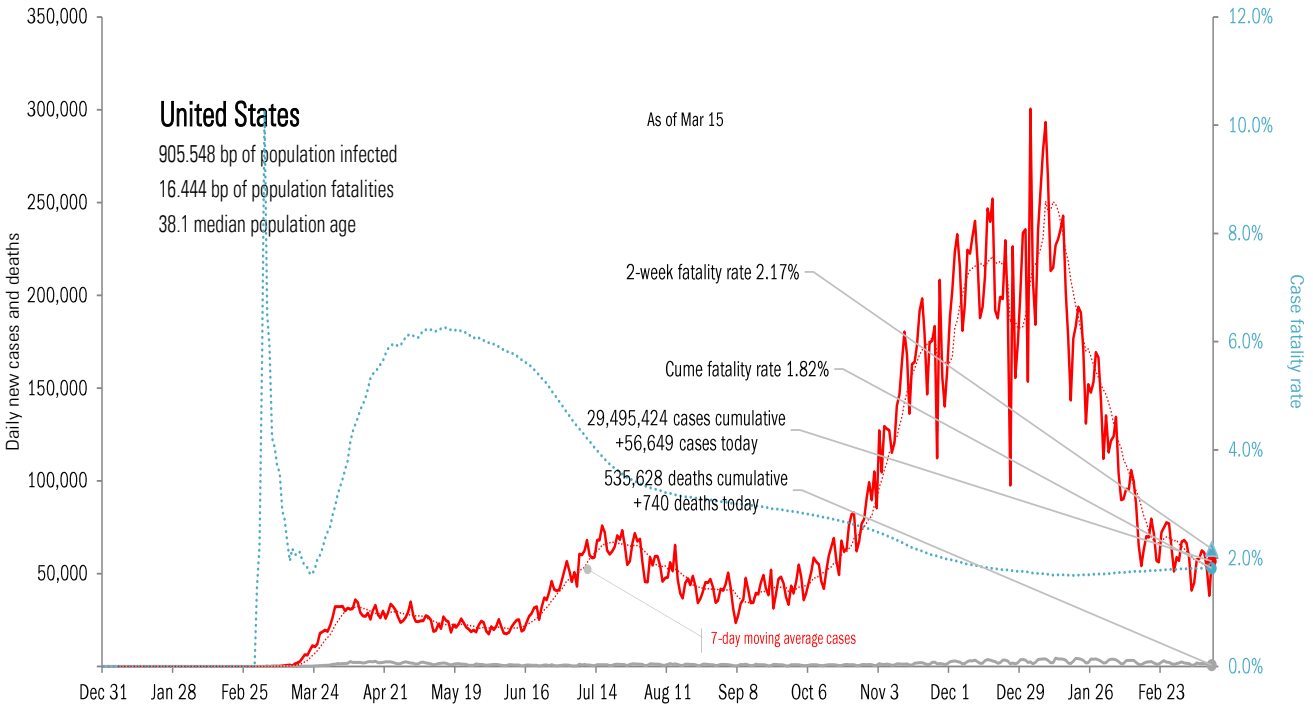
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	+7,119	CA	+101	GA	+78	CA	3,626,027	CA	56,674	TX	219,466	RI	85%	DC	82%
AL	+4,556	TX	+96	NY	+61	TX	2,731,814	NY	49,016	CA	217,410	MA	79%	DE	80%
TX	+4,352	FL	+93	OH	+49	FL	1,979,634	TX	46,519	FL	144,600	CT	79%	MO	78%
MI	+3,828	NY	+63	MD	+26	NY	1,748,482	FL	32,348	NY	105,962	MD	78%	TX	77%
NC	+3,503	PA	+56	PA	+26	IL	1,210,032	PA	24,566	GA	91,343	MO	76%	GA	77%
TN	+3,143	GA	+47	MN	+23	GA	1,034,763	NJ	23,925	OH	72,996	WV	76%	FL	76%
CA	+2,964	VA	+41	NJ	+19	OH	990,340	IL	23,217	PA	69,826	PA	75%	MI	75%
FL	+2,826	MA	+28	TN	+19	PA	970,281	GA	18,262	KY	66,137	FL	75%	AL	74%
NJ	+2,824	CT	+23	MI	+18	NC	886,218	OH	17,870	IL	65,862	GA	75%	NC	74%
CT	+2,525	KY	+23	WI	+11	NJ	840,685	MI	16,779	AZ	57,125	DC	75%	MD	74%
	+37,640		+571		+330		16,018,276		309,176		1,110,727				
All states	+56,649		+740		+101	All states	29,495,424		535,628		1,975,822	All states	70%		67%
Top ten	66%		77%		327%	Top ten	54%		58%		56%	Median	69%		66%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-873	CA	-46	TX	-63	RI	+56 bp
CO	-793	NY	-40	IN	-30	DE	+53 bp
LA	-739	AR	-12	NM	-27	DC	+50 bp
IL	-701	WV	-10	KY	-21	IA	+49 bp
MA	-536	IL	-8	FL	-20	CA	+46 bp

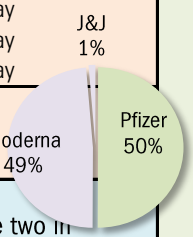


Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Over last day
142.63 million doses distributed	+0.00 million/day
114.09 million doses administered	+2.15 million/day
73.92 million persons partially immunized	+1.30 million/day
40.11 million persons fully immunized	+0.95 million/day
7.56 million shots long-term care residents/staff	+0.01 million/day

80.0% of distributed doses administered
28.0% of US pop partial **15.2% full immunity**
100% of LTC partial **61.1% full immunity**



At today's dosing pace, every American will have two in
253 days
by Nov 22, 2021

US will achieve herd immunity in
103 days
by Jun 25, 2021

Share pop full immunization	
United States	11.5%
United Kingdom	2.4%
France	3.3%
Spain	3.6%
Germany	3.5%
Italy	3.4%
Australia	1.0%
Israel	49.6%
Canada	1.6%
Japan	0.0%
China	10.7%
India	0.4%
Brazil	1.4%

Global data differs due to sources

State	
Doses distributed as % population	Best
Partial immunity as % population	Middle
Full immunity as % population	Worst

AK	WI	VT	ME
64.6%	38.4%	46.9%	43.4%
28.1%	23.1%	24.7%	26.1%
18.1%	12.9%	12.9%	14.2%

									VT	NH
					WI				46.9%	41.6%
					38.4%				24.7%	24.7%
					23.1%				12.9%	11.6%
WA	ID	MT	ND	MN	IL	MI		NY	MA	
41.1%	37.6%	45.0%	45.2%	40.1%	40.8%	39.3%		42.3%	41.9%	
22.1%	19.3%	23.6%	26.1%	24.0%	22.2%	20.6%		22.2%	25.4%	
12.5%	11.9%	14.1%	14.9%	13.0%	11.9%	11.6%		10.8%	13.1%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
38.9%	38.0%	46.7%	51.7%	40.8%	37.7%	40.6%	42.5%	40.3%	46.5%	43.7%
21.1%	20.8%	22.3%	27.6%	23.8%	19.6%	20.9%	22.4%	24.3%	26.7%	26.1%
12.1%	11.7%	14.0%	15.6%	13.4%	12.7%	12.2%	11.1%	12.4%	14.3%	11.1%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
41.4%	35.7%	40.7%	43.1%	39.4%	40.2%	46.0%	38.6%	40.2%	43.3%	
21.0%	19.1%	21.4%	23.0%	19.6%	23.4%	23.4%	22.4%	22.1%	21.4%	
10.1%	8.3%	12.5%	13.0%	10.5%	12.0%	14.6%	12.7%	12.5%	12.4%	
	AZ	NM	KS	AR	TN	NC	SC	DC		
	41.6%	49.4%	43.2%	41.5%	39.8%	40.7%	37.6%	55.1%		
	22.4%	29.3%	21.4%	19.4%	18.5%	21.3%	20.2%	17.9%		
	12.6%	16.9%	11.3%	10.4%	9.8%	11.9%	11.4%	9.3%		
			OK	LA	MS	AL	GA			
			50.1%	40.7%	41.6%	39.1%	37.5%			
			24.2%	20.2%	19.9%	17.4%	15.9%			
			13.1%	11.8%	11.1%	10.2%	9.8%			

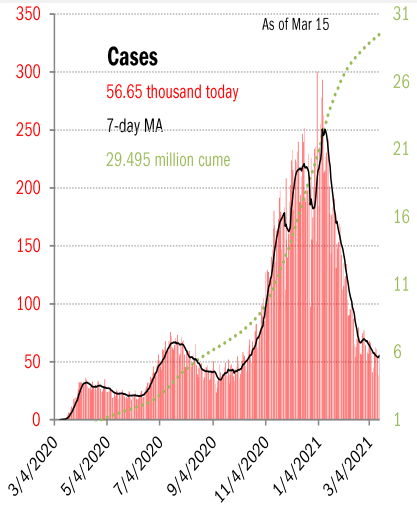
HI	TX	FL	PR
48.1%	37.8%	42.6%	45.1%
23.6%	19.0%	20.4%	14.8%
14.7%	9.9%	11.4%	8.8%

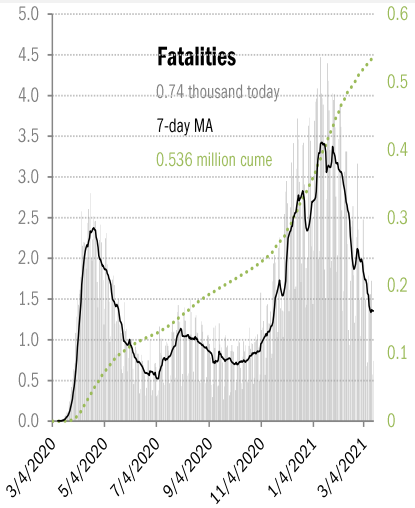
As of Mar 15

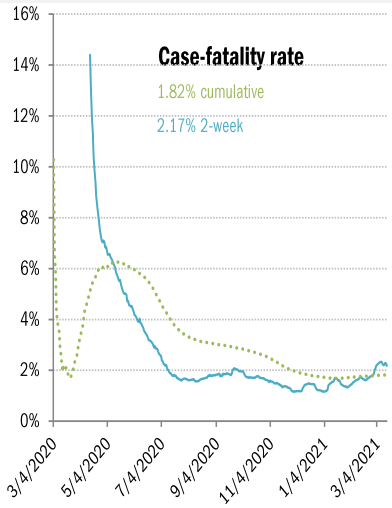
Source: CDC, CDC, Our World in Data, TrendMacro calculations

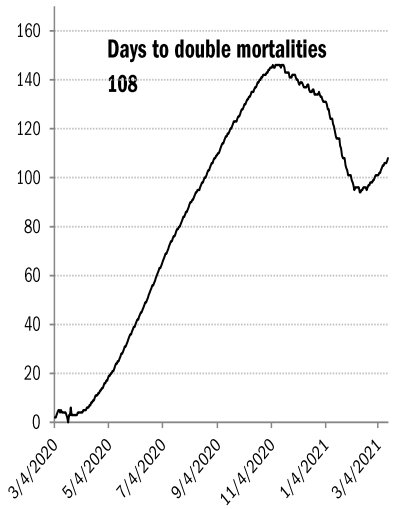
US deep-dive

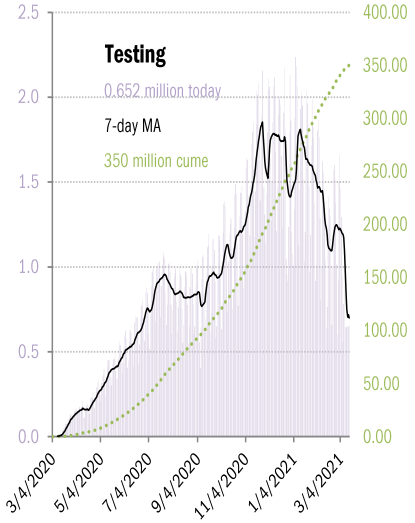
National and state-by-state data do not line up because of different sources

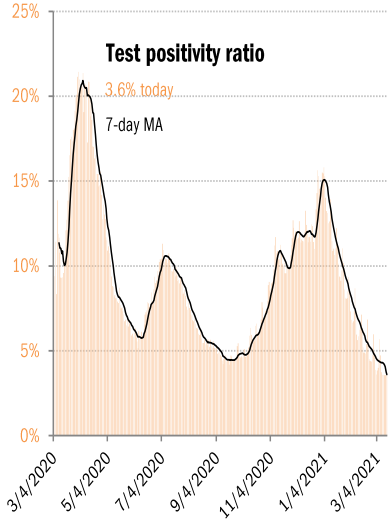


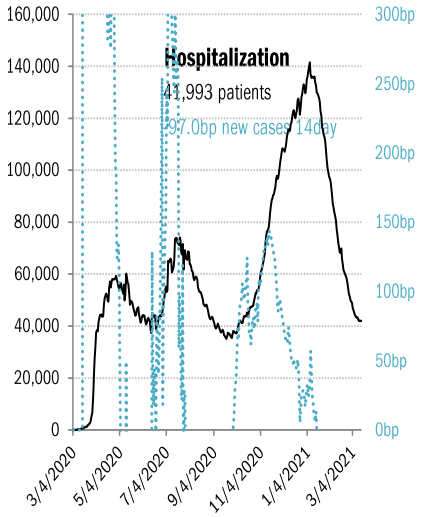


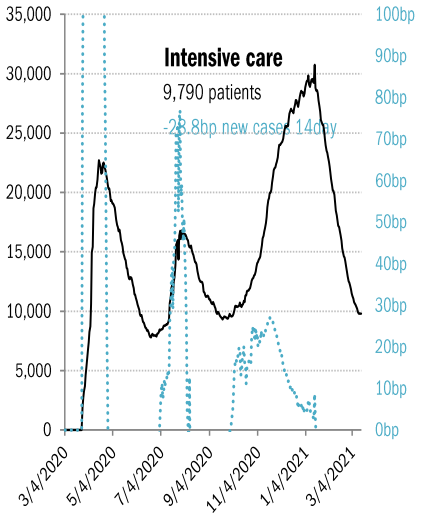


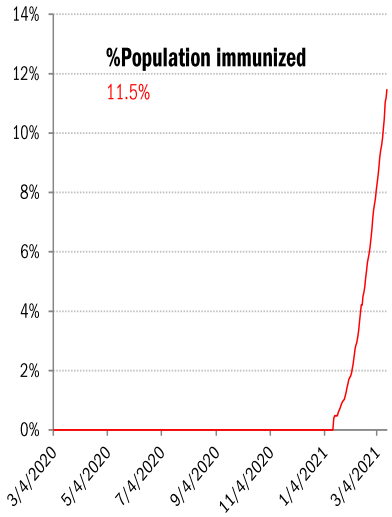






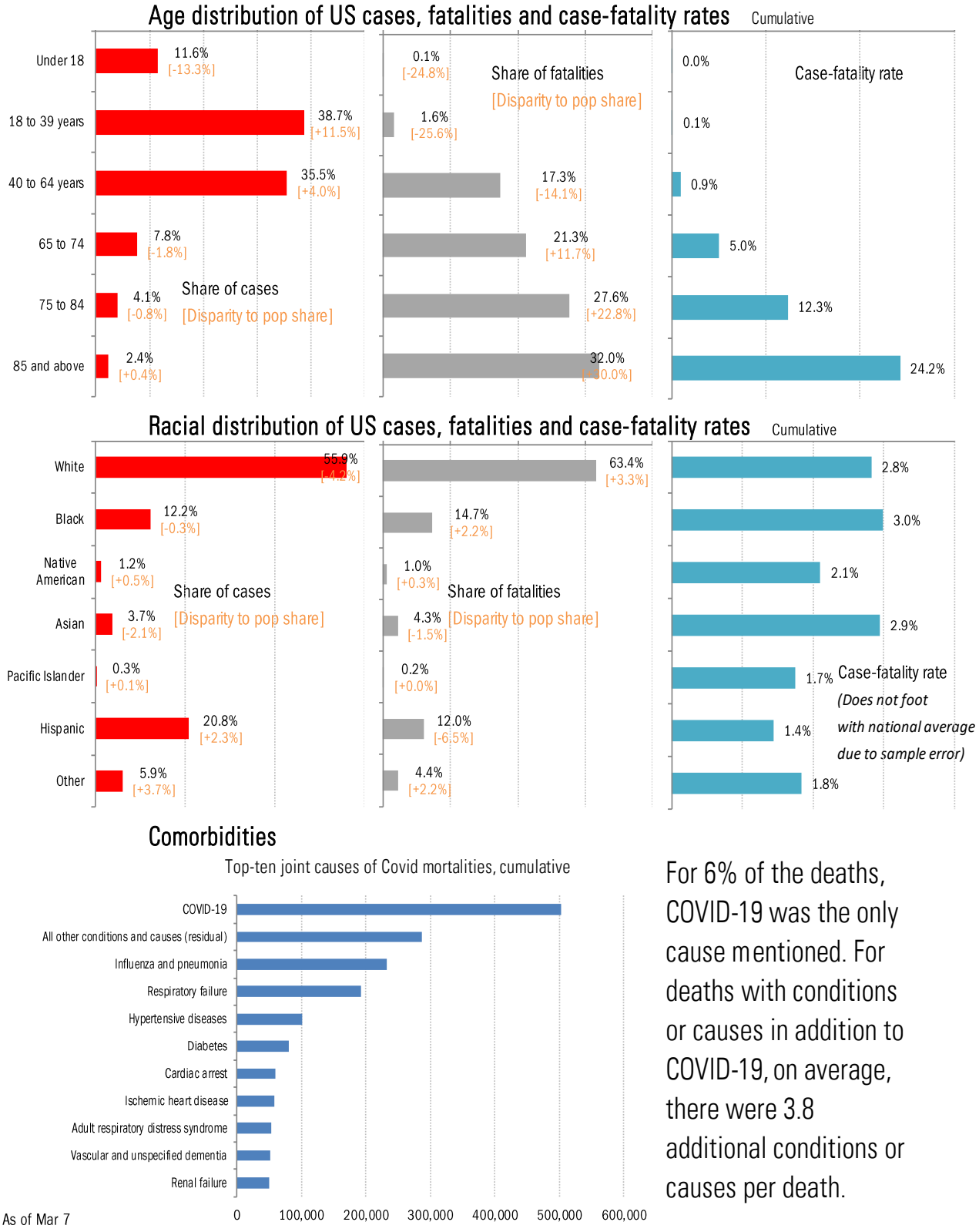






Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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



Comorbidities

As of Mar 7

For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 3.8 additional conditions or causes per death.

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

Concern mounts over censorship of Canadian doctors
Rachel Emmanuel
iPolitics
March 9, 2021

Canadian doctors speak out — Why you shouldn't be afraid of Covid…
Citizen Free Press
March 15, 2021

America's COVID Population Implosion
Anders Koskinen
Chronicles
March 12, 2021

The Pub the Pandemic Couldn't Kill
Matthew Hennessey
Wall Street Journal
March 15, 2021

The Lost Year: What the Pandemic Cost Teenagers
Alec MacGillis
Pro Publica
March 8, 2021

NYT: We Might Owe A COVID-19 Lockdown Apology To Florida After All
Ed Morrisey
Hot Air
March 15, 2021

'I'd Much Rather Be in Florida'
Patricia Mazzei
New York Times
March 13, 2021

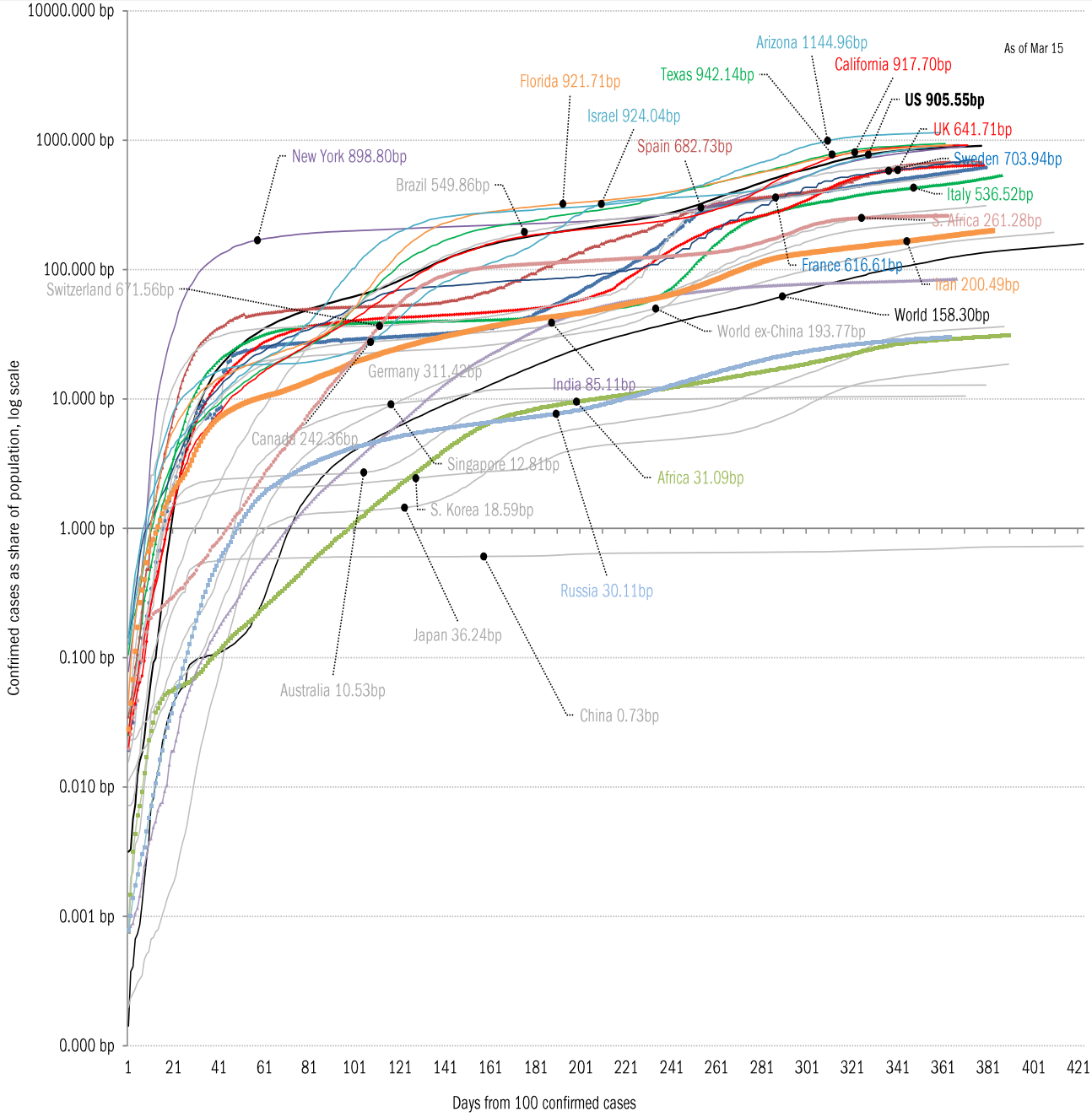
The COVID New Yorker
George Gilder
Gilder's Daily Prophecy
March 10, 2021

Meme of day

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

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

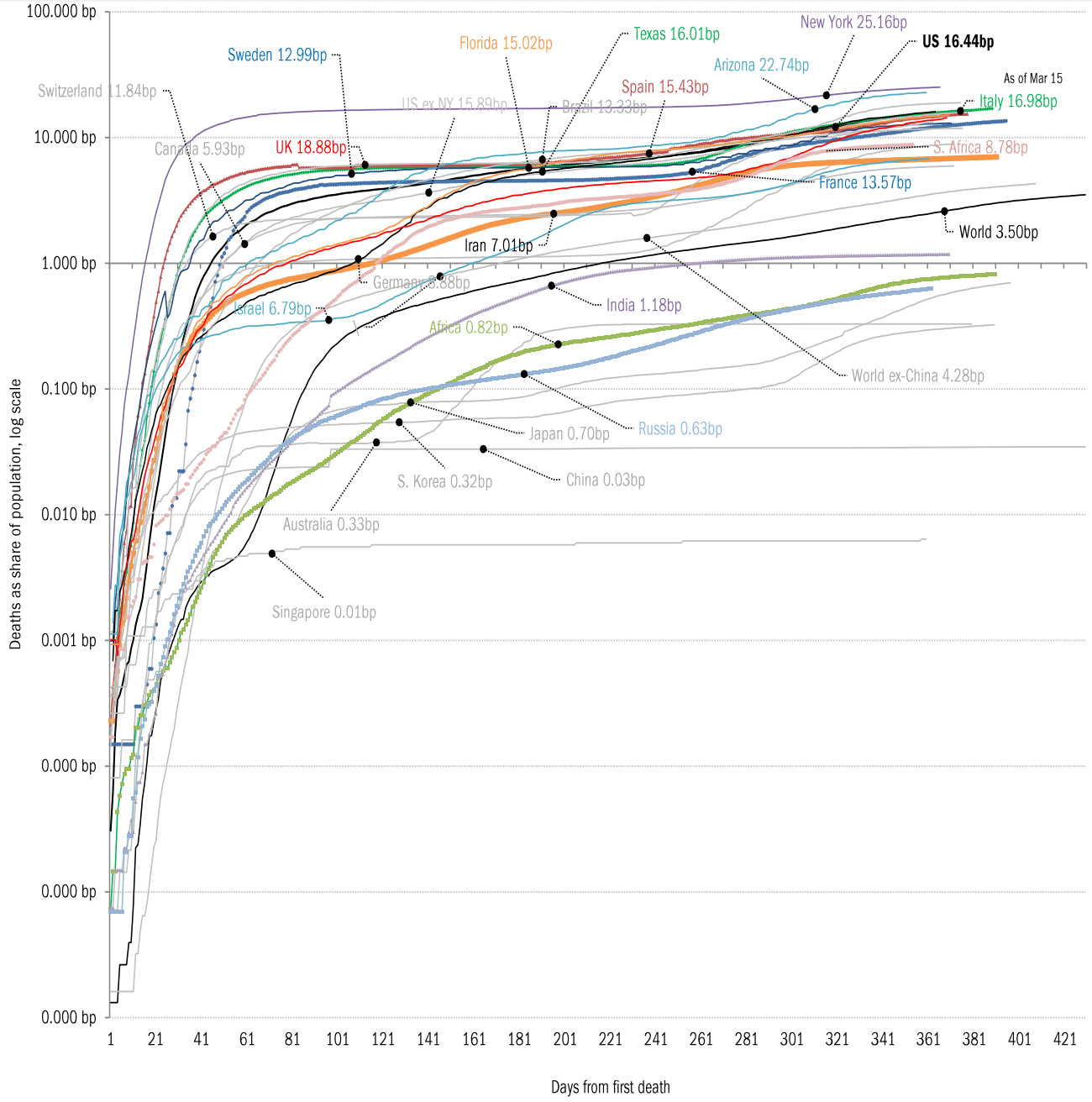
Share of infected population from first day with 100 confirmed cases, log scale



Source: Johns Hopkins, TrendMacro calculations

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

Share of deceased population from day of first fatality

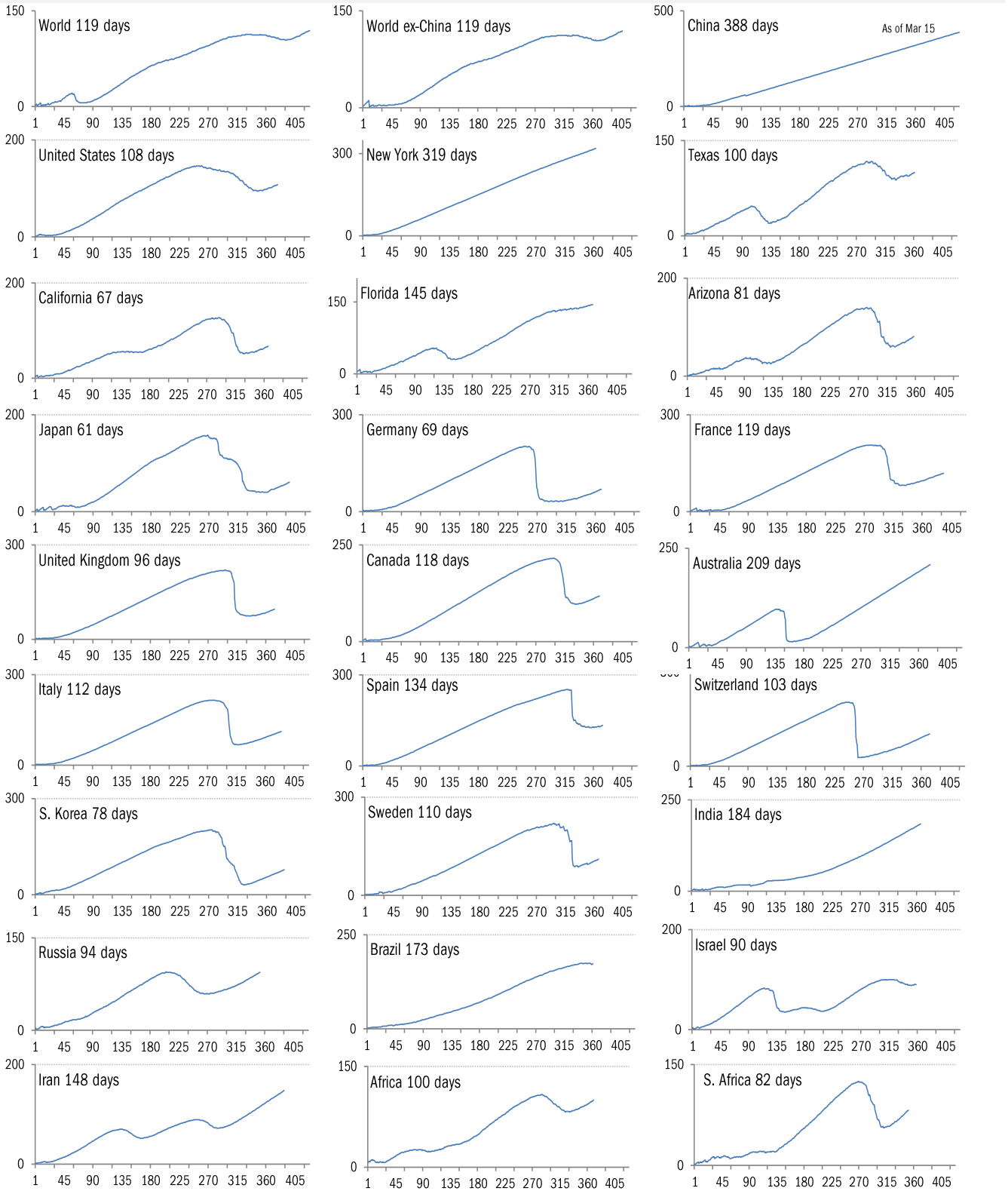


Source: Johns Hopkins, TrendMacro calculations

"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

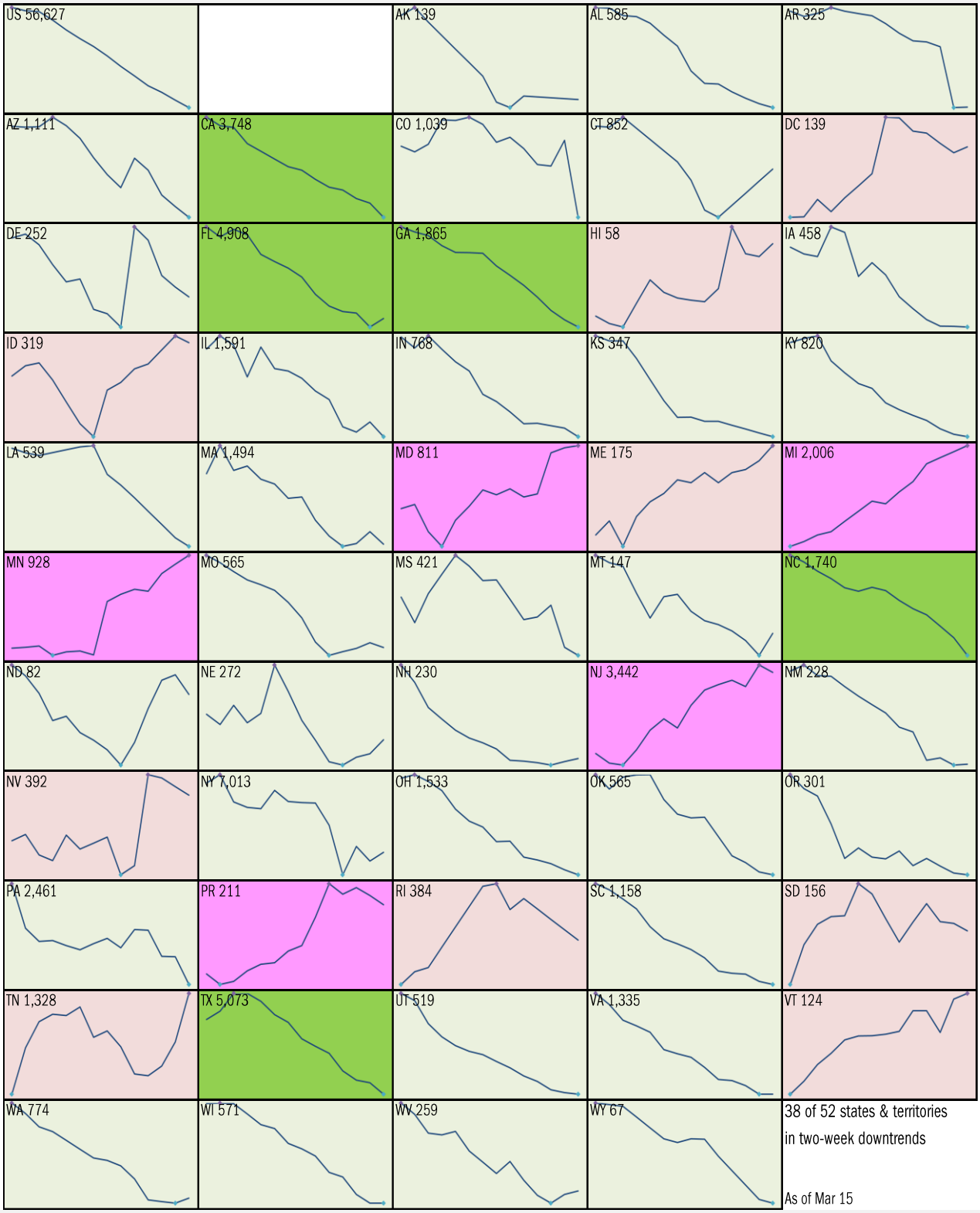


Source: Johns Hopkins, TrendMacro calculations

Requirement to Open Up America Again: 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

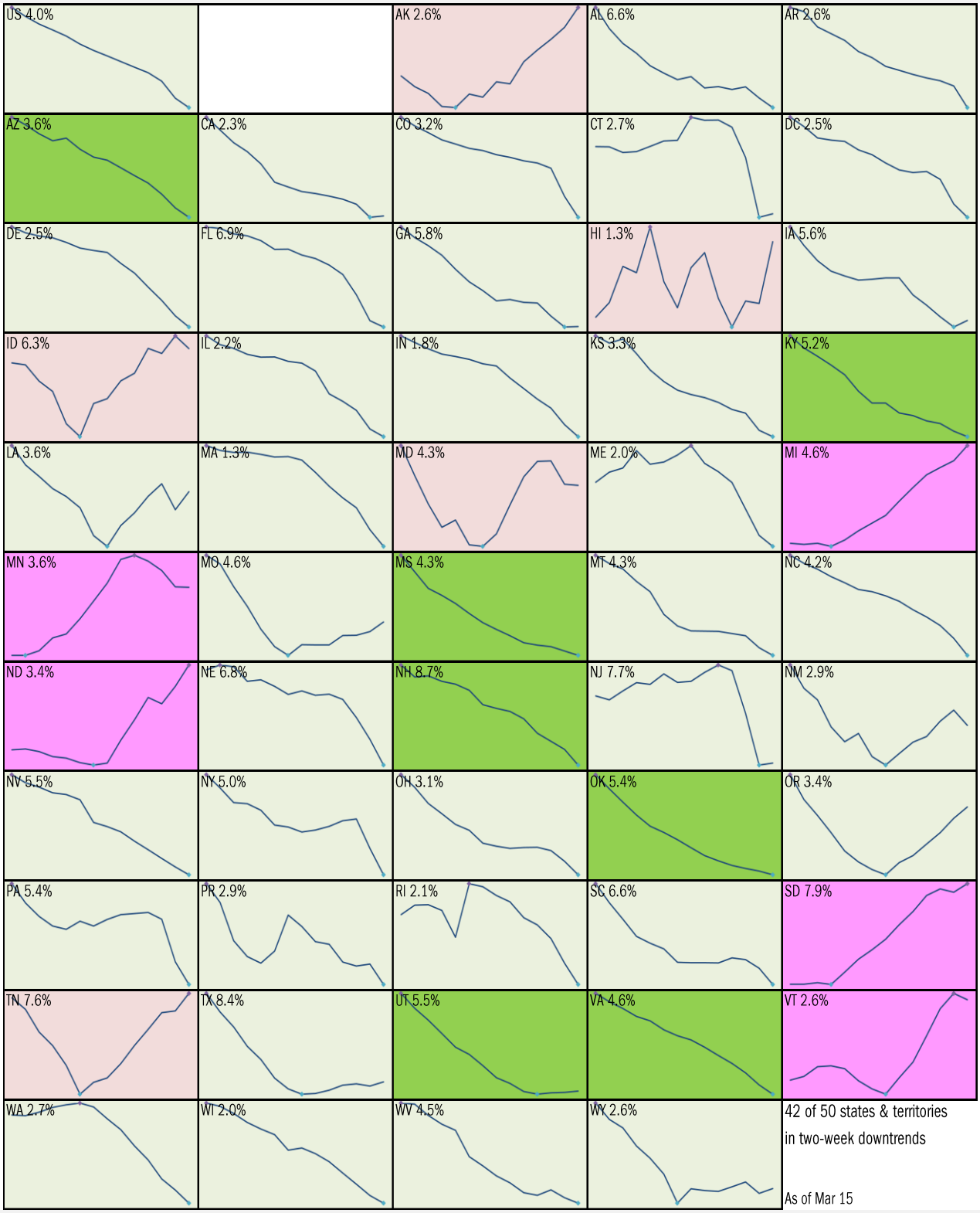


Source: Johns Hopkins, TrendMacro calculations

Alt requirement to Open Up America Again: 14-day "downward trajectory" in pos tests

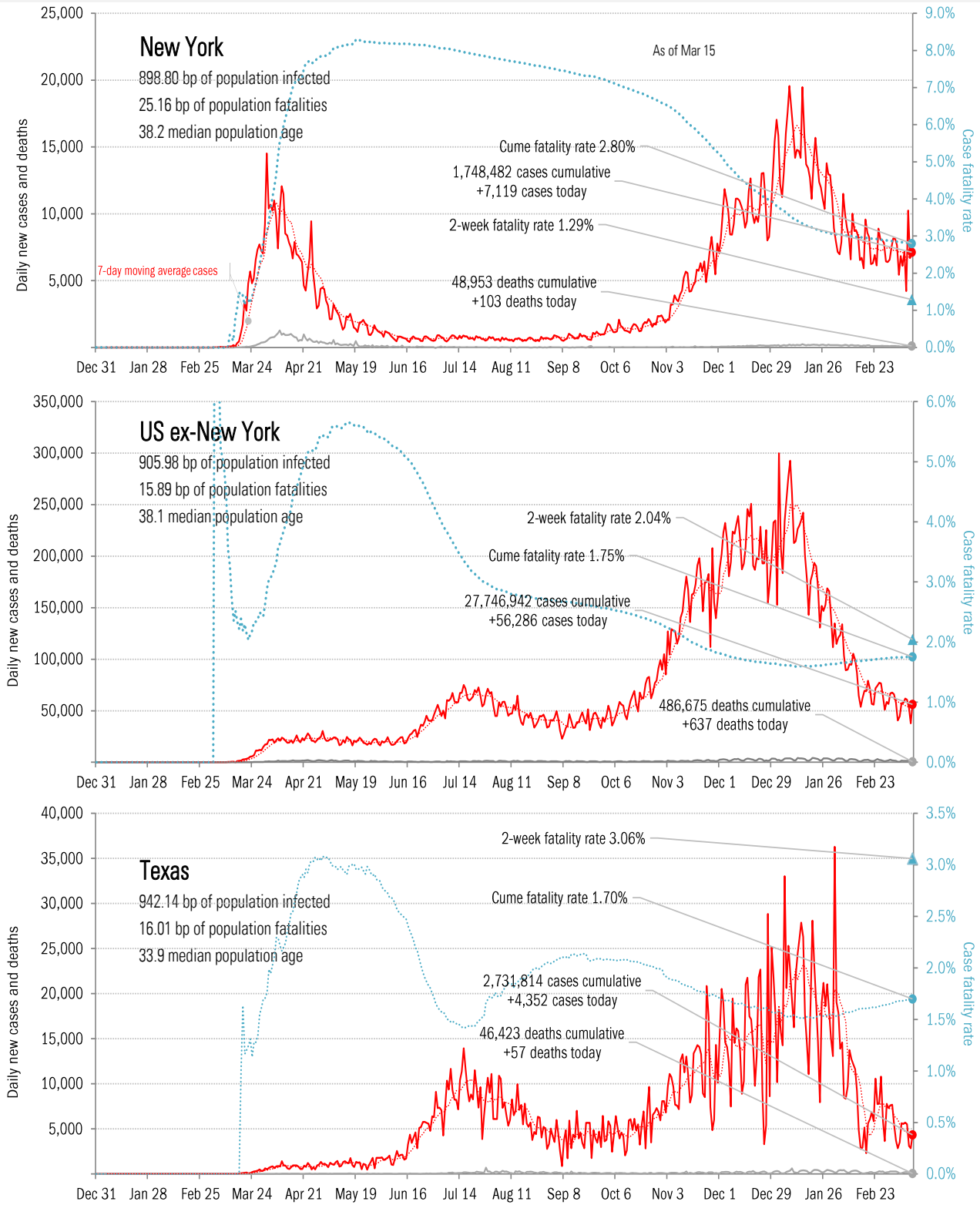
14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst



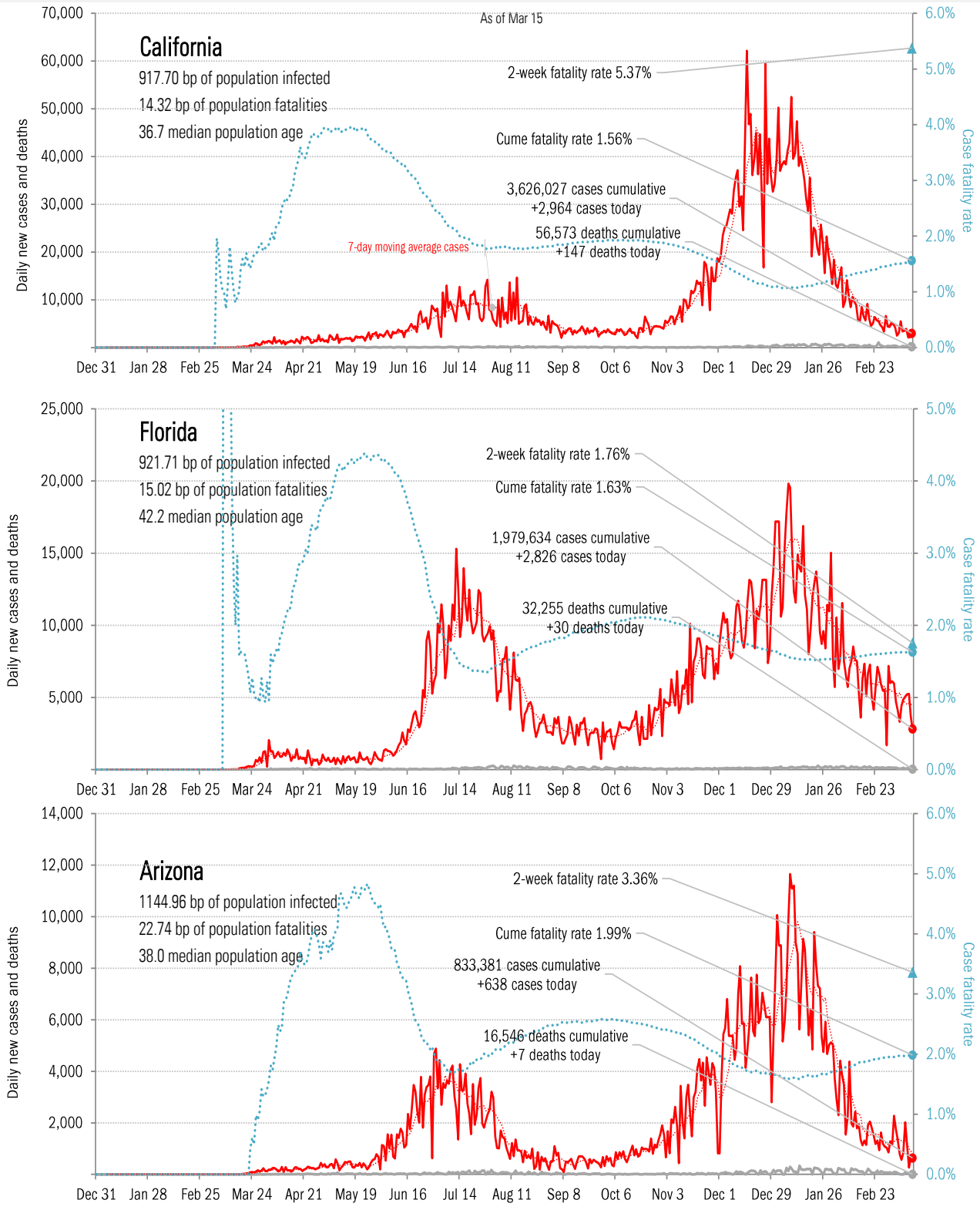
Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande



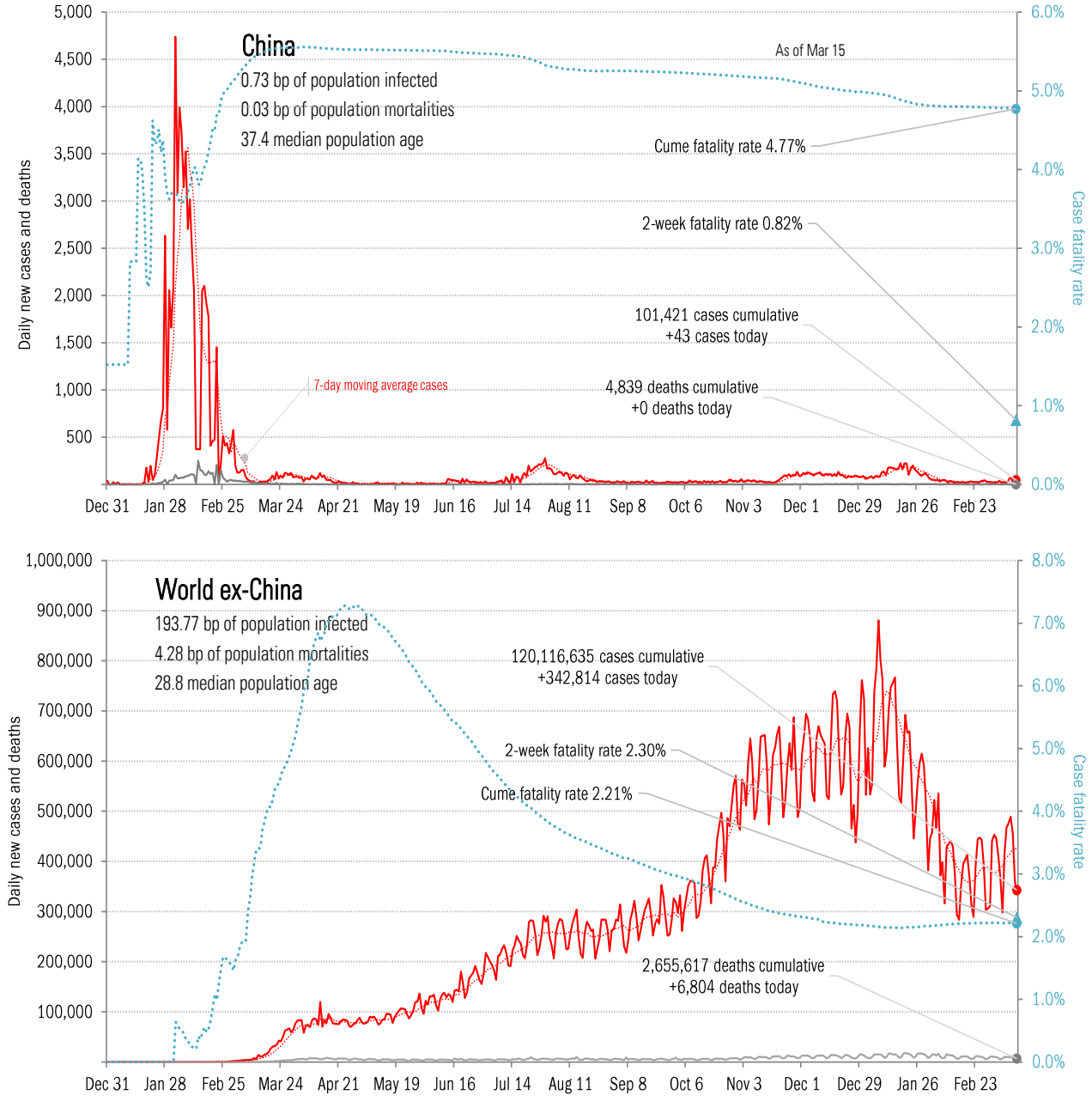
Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states (other than Texas)



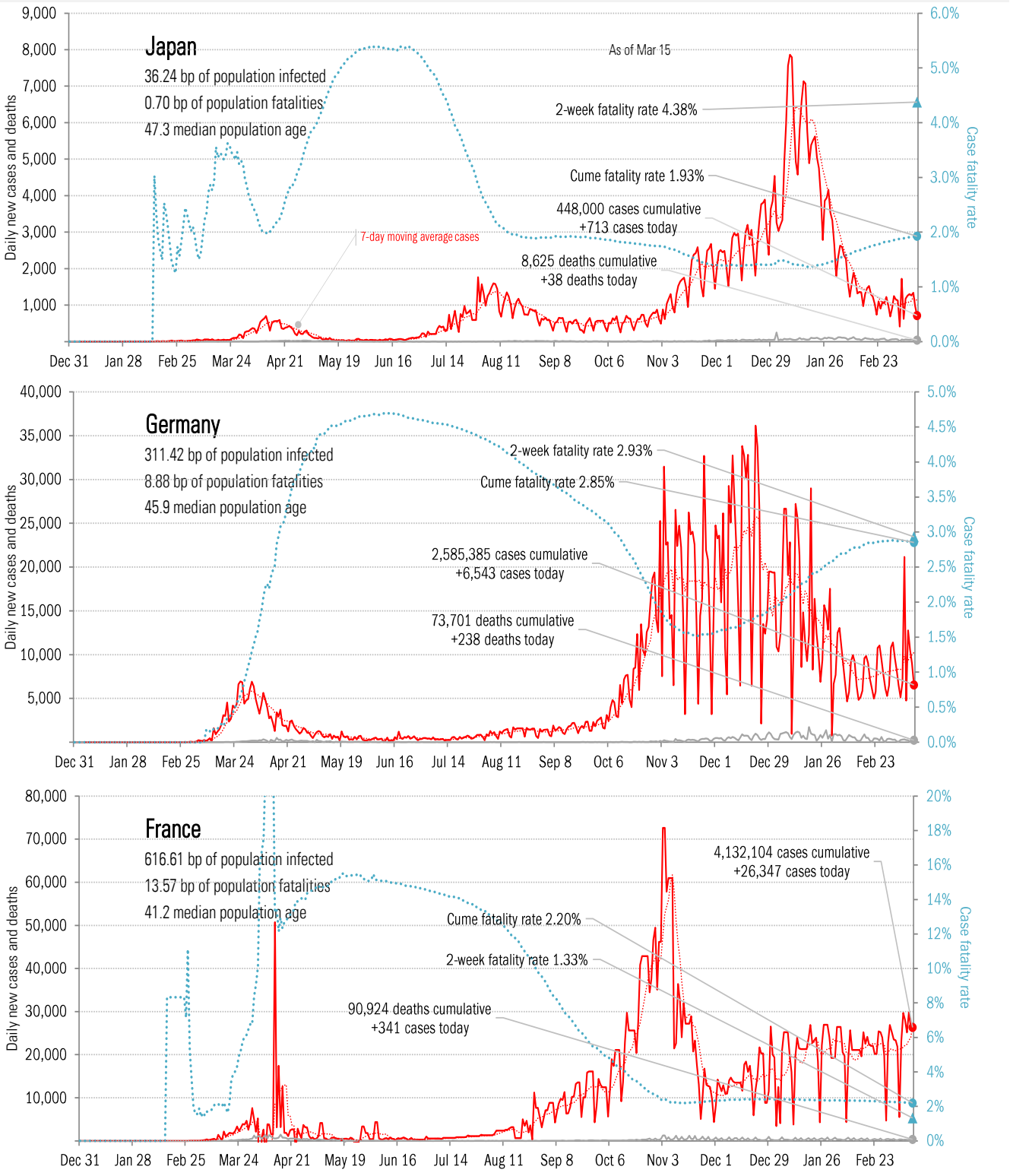
Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else



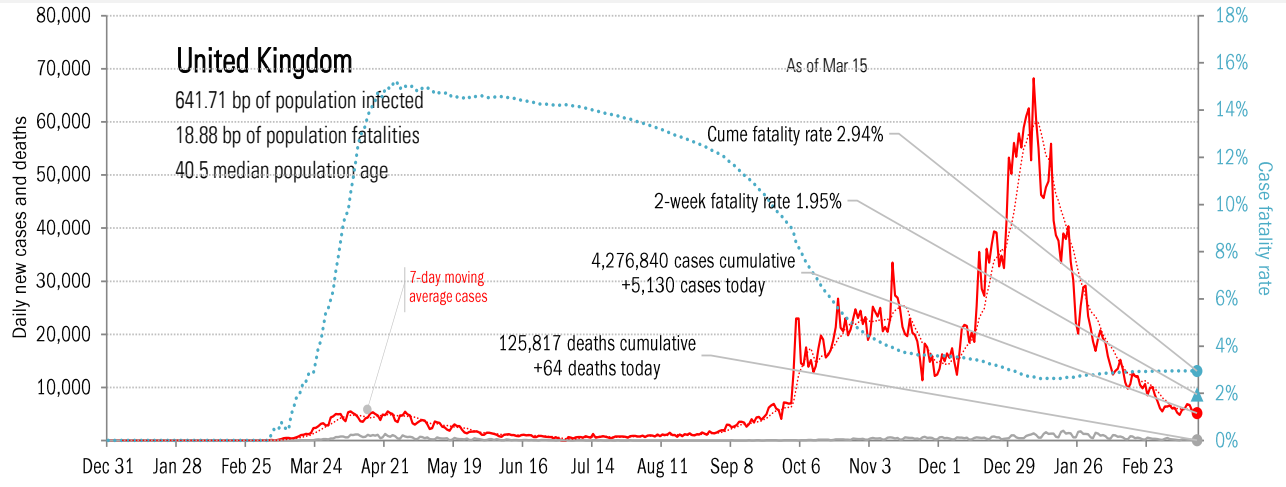
Source: Johns Hopkins, TrendMacro calculations

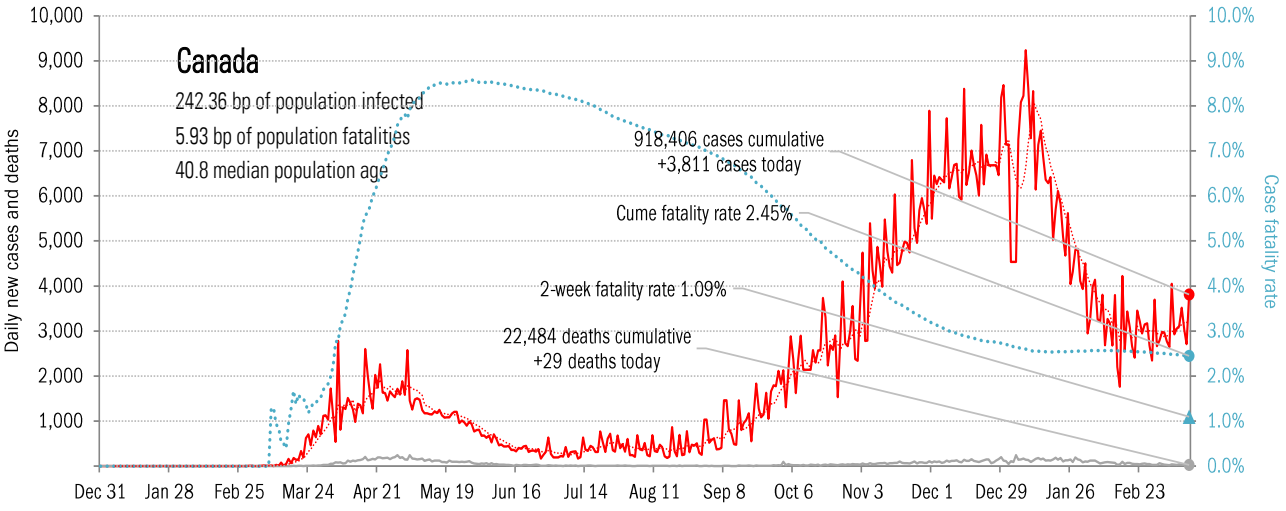
Impact in the largest economies

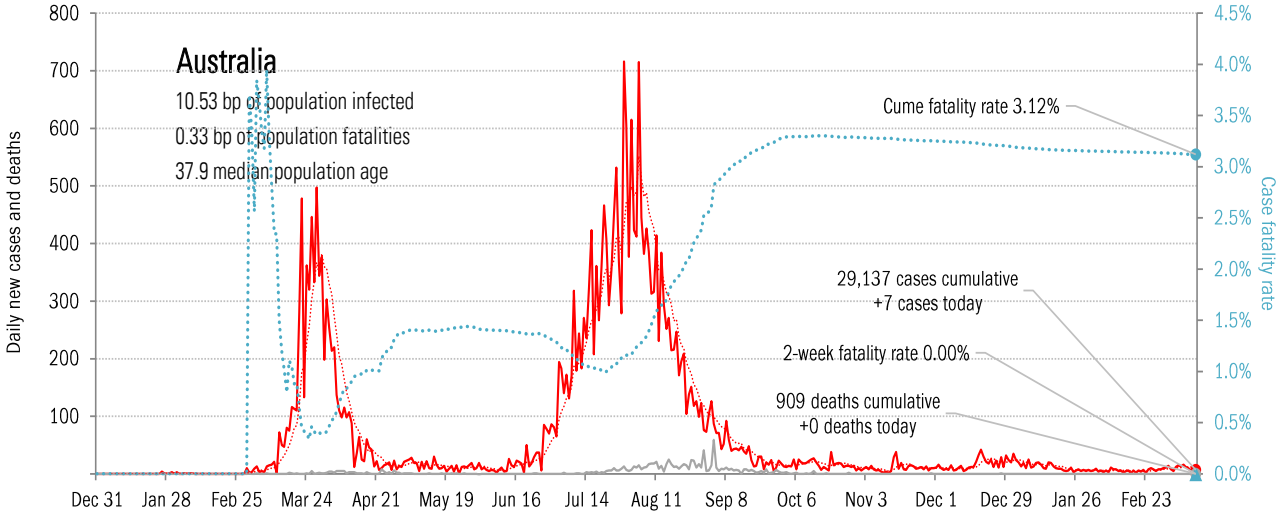


Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

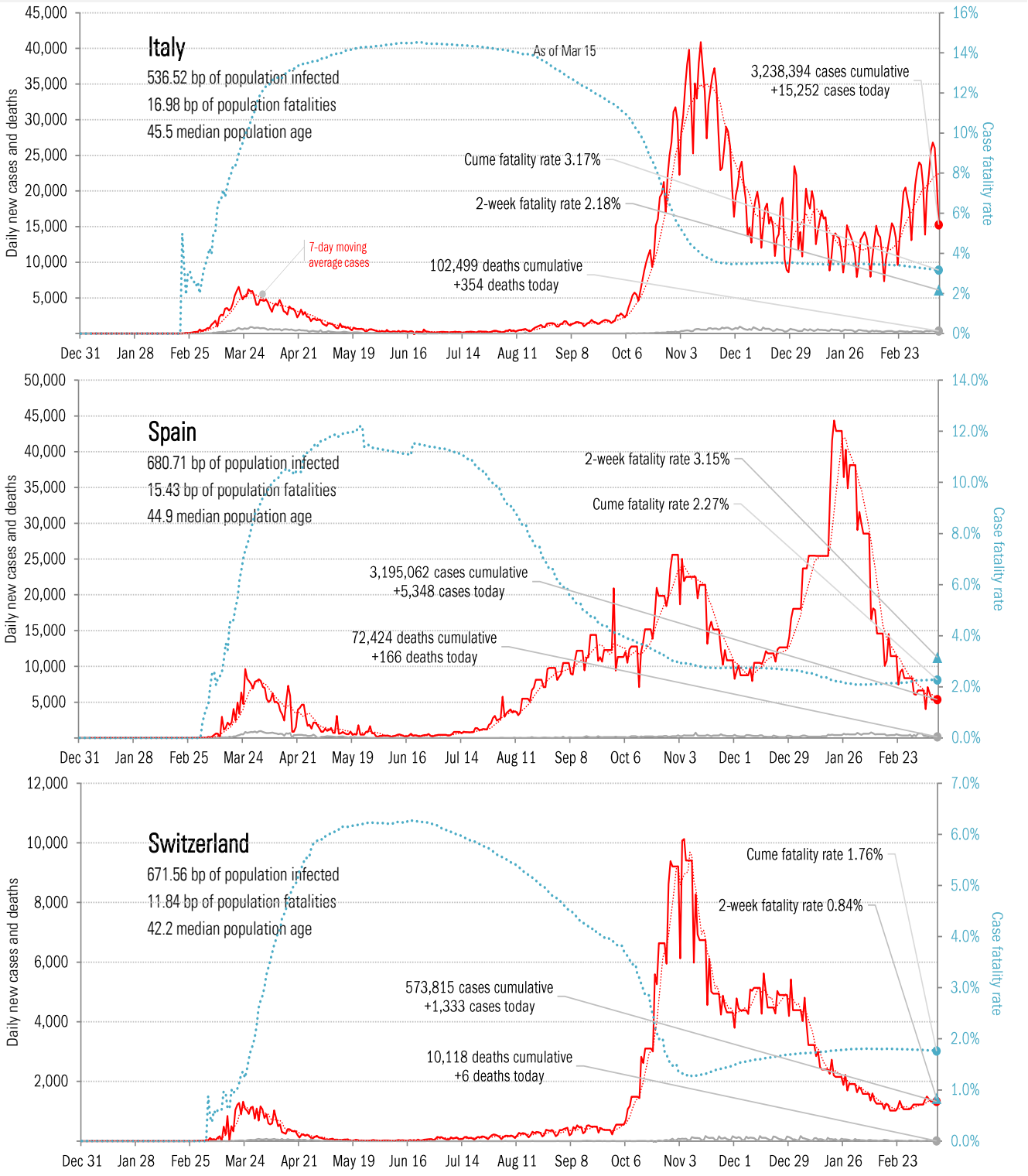






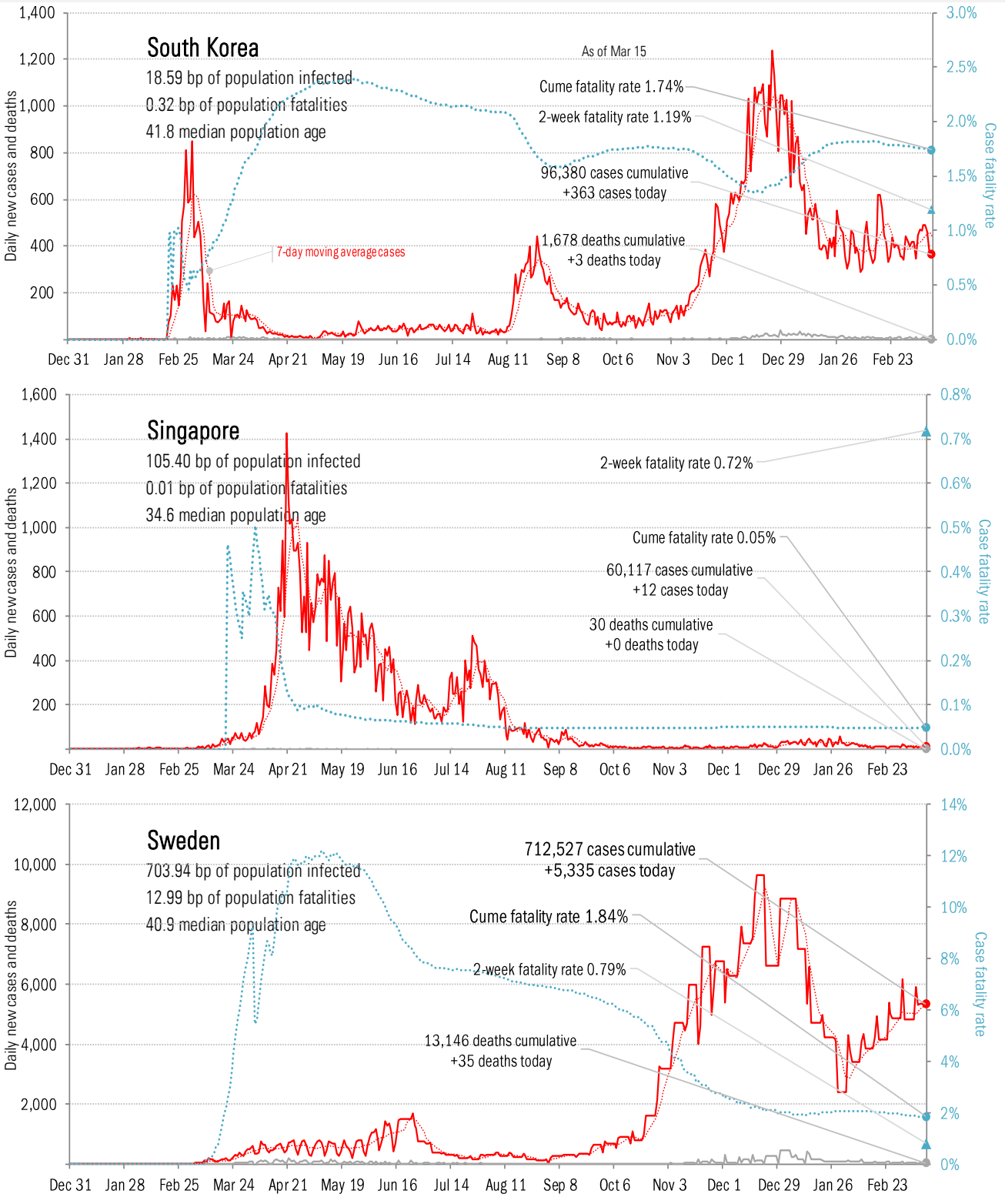
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



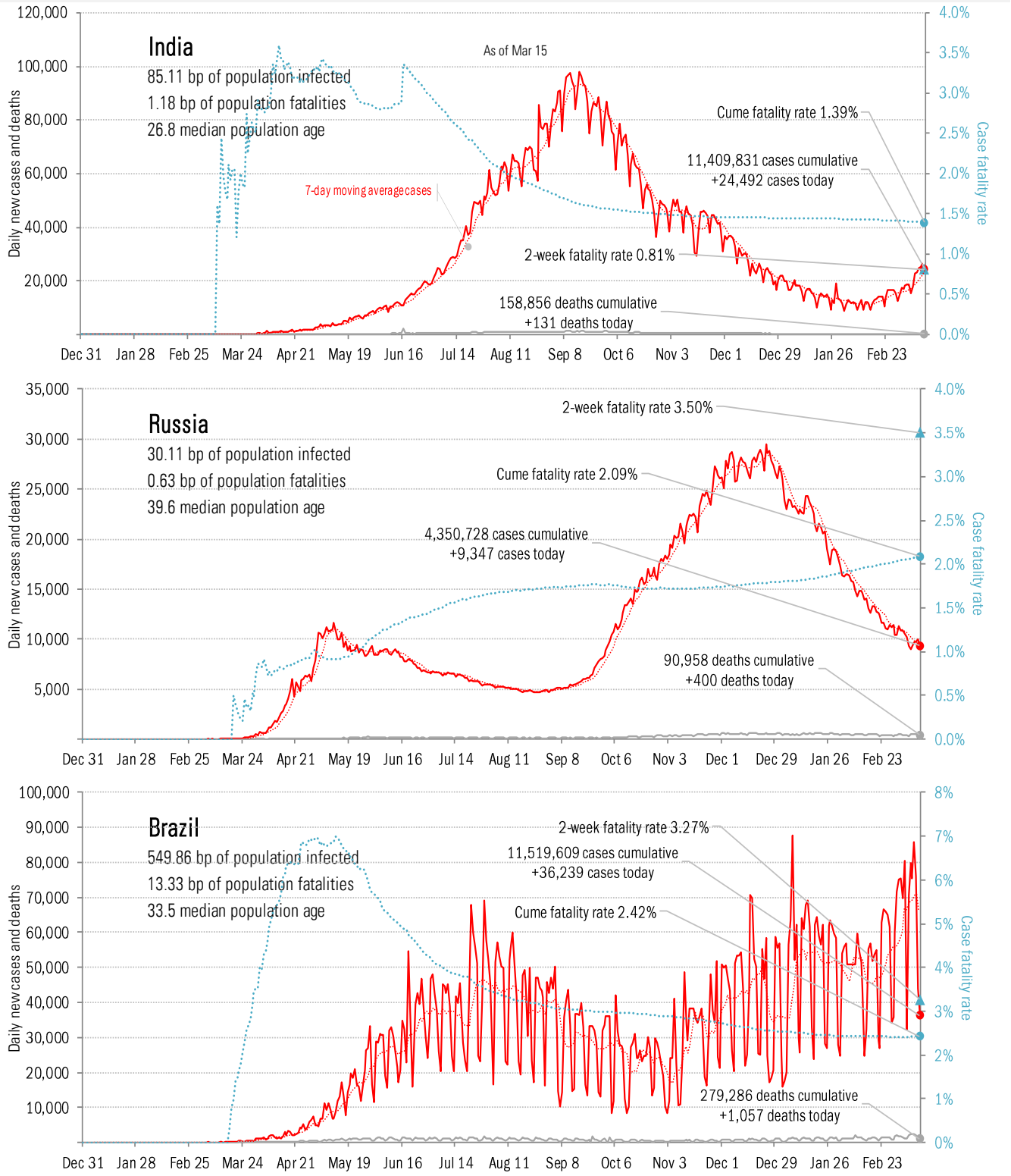
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



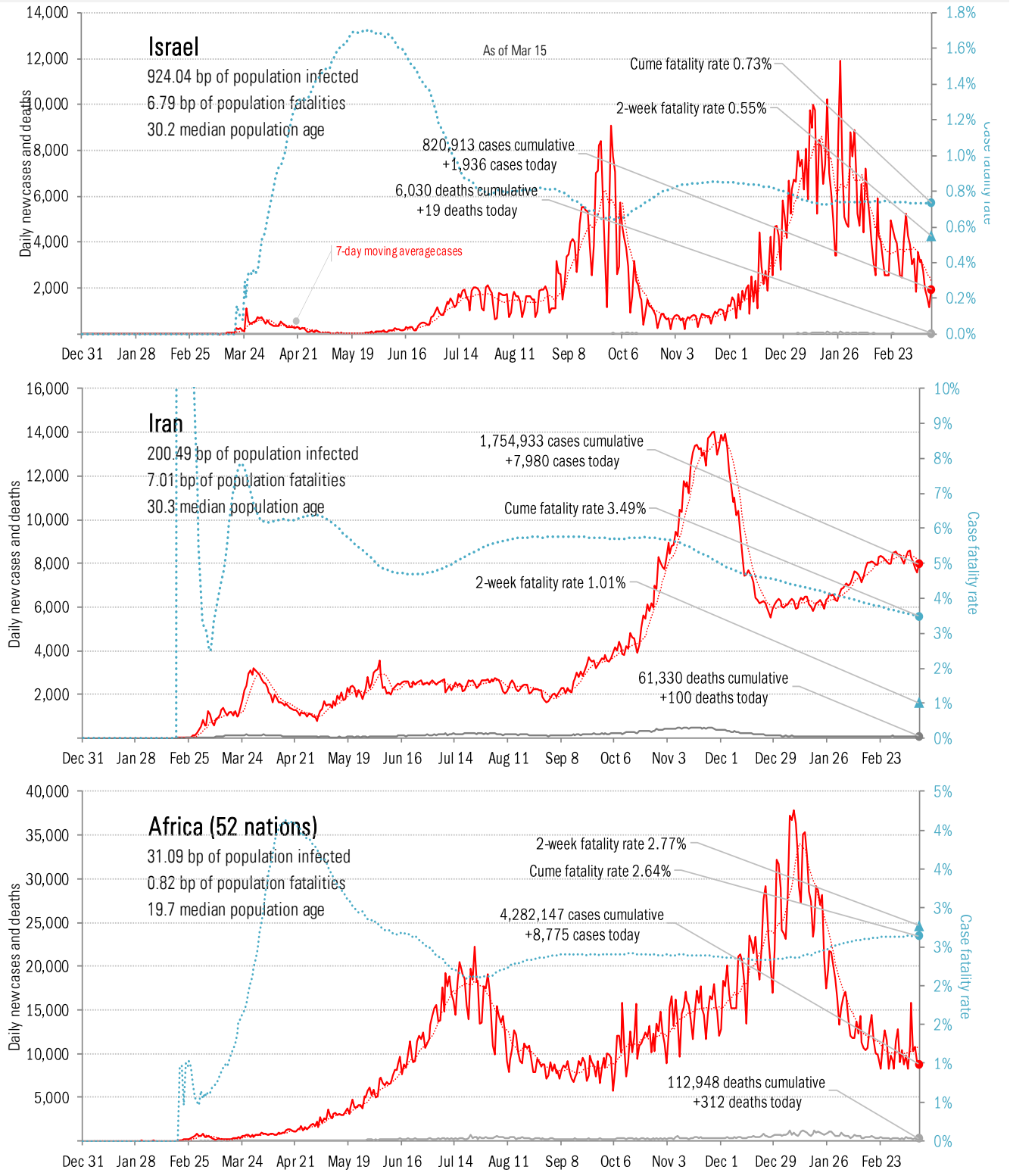
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



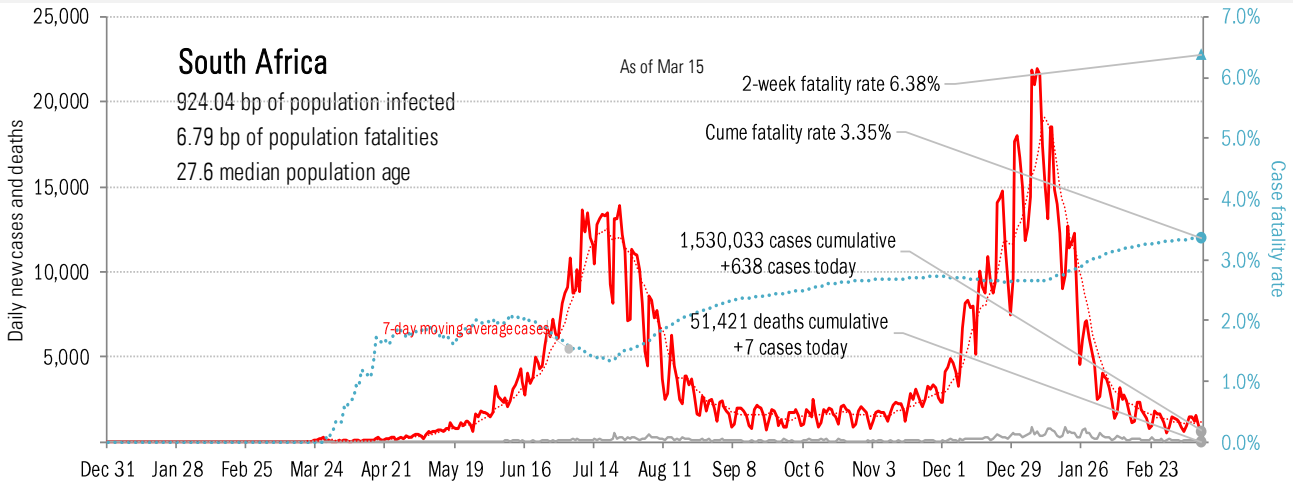
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations