Trend Macrolytics, LLC
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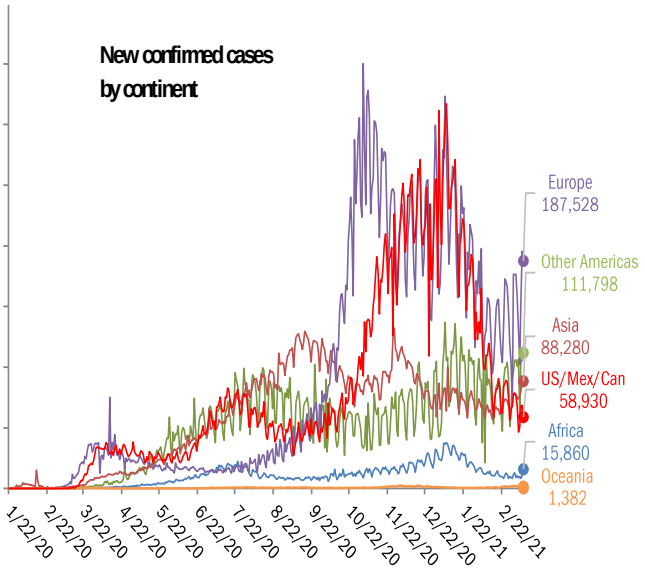
Data Insights: Covid-2019 Monitor

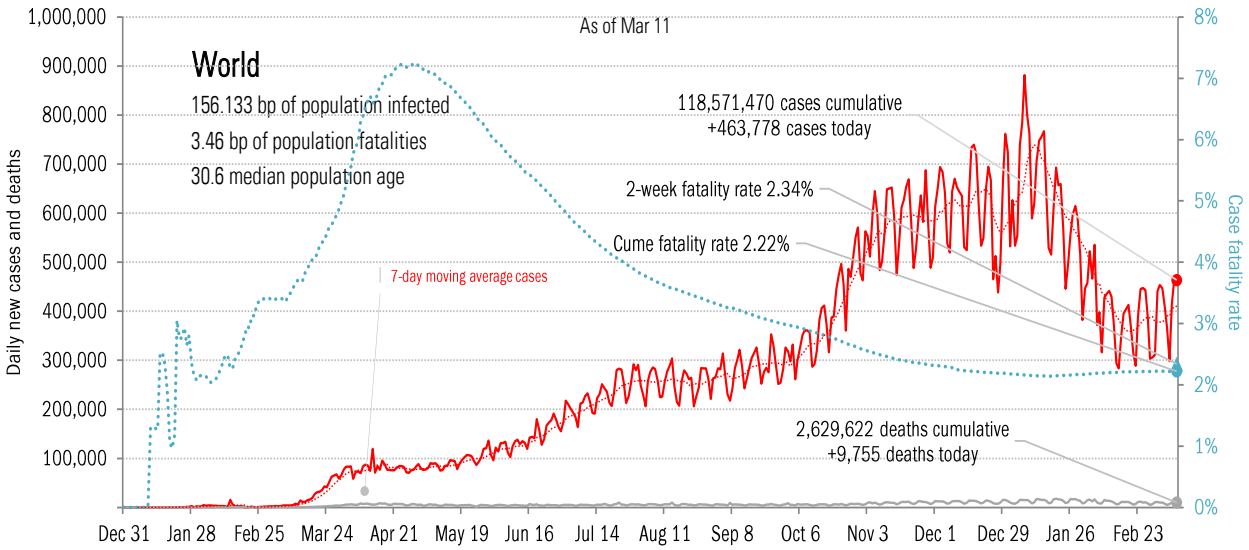
Friday, March 12, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+75,412	Brazil	+2,233
United States	+49,356	United States	+1,557
France	+28,129	Mexico	+661
Italy	+25,649	Russia	+451
India	+23,285	Poland	+376
Poland	+21,111	Italy	+373
Czechia	+14,529	France	+277
Turkey	+14,046	Ukraine	+270
Ukraine	+9,187	Germany	+262
Russia	+9,167	Czechia	+239
	+269,871		+6,699
World	+463,778	World	+9,755
Top ten	58%	Top ten	69%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

The ten worst US states

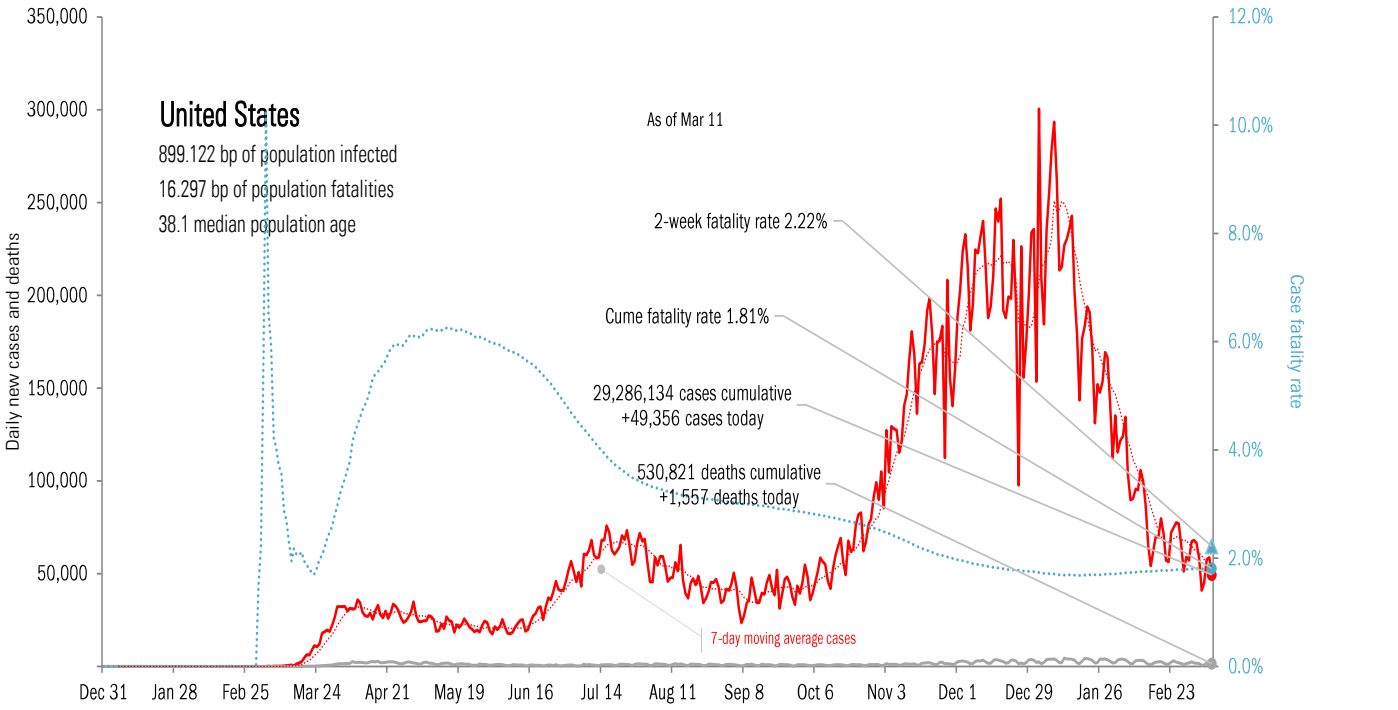
New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	+7,169	CA	+270	PR	+208	CA	3,614,852	CA	55,160	TX	216,030	RI	95%	RI	83%
TX	+5,715	TX	+211	GA	+69	TX	2,715,993	NY	48,690	CA	214,777	MA	81%	DC	82%
FL	+5,065	NY	+117	KY	+29	FL	1,962,651	TX	46,007	FL	141,169	GA	80%	DE	82%
NJ	+3,815	FL	+92	CT	+11	NY	1,720,199	FL	32,040	NY	102,196	DC	79%	MO	82%
CA	+3,557	GA	+81	KS	+10	IL	1,204,323	PA	24,474	GA	89,755	PA	78%	GA	81%
PA	+2,743	AZ	+57	MA	+10	GA	1,030,146	NJ	23,814	OH	71,904	FL	78%	AL	81%
MI	+2,569	IL	+55	TX	+10	OH	984,934	IL	23,123	PA	68,399	CT	78%	TX	79%
NC	+2,061	VA	+53	IL	+9	PA	961,092	GA	18,117	KY	65,086	SC	78%	FL	79%
AZ	+2,025	AL	+52	MI	+9	NC	879,825	OH	17,661	IL	64,955	MO	78%	MI	75%
MA	+1,809	PA	+47	ME	+5	AZ	830,655	MI	16,722	AZ	56,478	MD	78%	OK	75%
	+36,528		+1,035		+370		15,904,670		305,808		1,090,749				
All states	+49,356		+1,557		-70	All states	29,286,134		530,821		1,942,877	All states	72%		70%
Top ten	74%		66%		-529%	Top ten	54%		58%		56%	Median	72%		69%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
MO	-13,402	NJ	-87	NY	-72	TX	+10,856
KS	-704	KS	-35	OH	-58	PA	+2,528
OH	-420	LA	-27	WA	-20		
CO	-285	AZ	-21	ND	-15		
SC	-206	NC	-16	MN	-13		

US recovery data is not updating. We are working to obtain a new source.

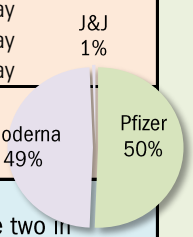


Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Over last day
137.80 million doses distributed	+3.39 million/day
102.76 million doses administered	+2.59 million/day
66.77 million persons with one shot	+1.68 million/day
35.39 million persons with two shots	+1.00 million/day
7.47 million shots long-term care residents/staff	+0.03 million/day

74.6% of distributed doses administered
20.0% of US pop 1 shot **10.6% 2 shots**
100% of LTC 1 shot **59.8% 2 shots**



At today's dosing pace,
every American will have two in
214 days
by Oct 10, 2021

US will achieve herd immunity in
90 days
by Jun 8, 2021

Share pop full immunization	
United States	10.1%
United Kingdom	2.0%
France	3.1%
Spain	3.2%
Germany	3.3%
Italy	3.1%
Australia	0.8%
Israel	47.0%
Canada	1.6%
Japan	0.0%
China	7.9%
India	0.3%
Brazil	1.3%

State	
Doses distributed as % population	Best
One shot received as % population	Middle
Two shots received as % population	Worst

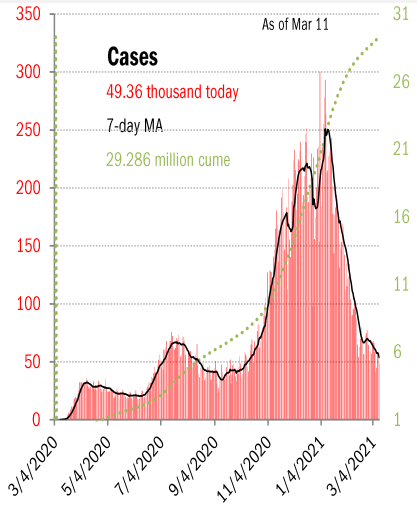
AK											ME
63.3%					WI					VT	NH
26.1%					38.0%					46.4%	40.3%
16.7%					20.6%					21.8%	22.6%
					11.5%					11.5%	9.9%
	WA	ID	MT	ND	MN	IL	MI		NY	MA	
	39.8%	36.3%	42.2%	44.6%	39.2%	39.7%	38.3%		40.6%	41.5%	
	19.9%	17.6%	21.6%	23.4%	21.5%	19.8%	18.8%		20.0%	23.3%	
	11.2%	10.5%	12.3%	12.7%	11.5%	9.8%	10.5%		9.8%	11.3%	
	OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
	38.6%	37.7%	45.4%	49.8%	39.0%	37.4%	39.3%	40.3%	38.3%	45.0%	40.9%
	18.6%	18.5%	20.2%	25.0%	21.6%	18.0%	18.5%	19.8%	22.1%	26.6%	23.8%
	10.6%	10.3%	12.3%	13.5%	10.8%	11.4%	10.6%	9.4%	11.2%	10.2%	9.6%
	CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
	39.8%	35.4%	39.9%	40.6%	36.7%	39.5%	43.5%	37.4%	39.5%	43.0%	
	19.2%	16.5%	19.7%	21.3%	17.7%	20.6%	21.2%	20.3%	20.0%	19.0%	
	9.0%	7.6%	11.1%	11.7%	9.5%	10.5%	13.3%	11.5%	11.4%	11.1%	
		AZ	NM	KS	AR	TN	NC	SC	DC		
		40.0%	47.6%	41.4%	40.1%	37.6%	39.3%	36.7%	52.9%		
		20.6%	26.9%	18.8%	17.1%	16.4%	18.6%	18.0%	15.4%		
		10.9%	15.1%	9.8%	9.5%	8.9%	10.2%	10.3%	8.0%		
				OK	LA	MS	AL	GA			
				48.4%	39.2%	40.2%	37.0%	37.0%			
				21.8%	18.2%	18.1%	16.1%	13.9%			
				12.3%	10.5%	10.0%	9.2%	8.8%			
HI				TX					FL		PR
47.1%				36.8%					40.0%		43.1%
21.5%				16.9%					18.5%		13.4%
13.3%				9.0%					10.1%		7.8%

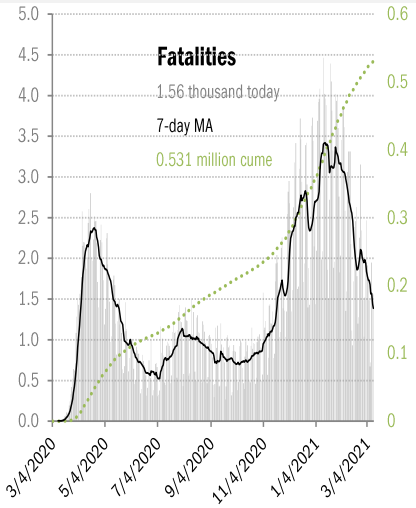
As of Mar 11

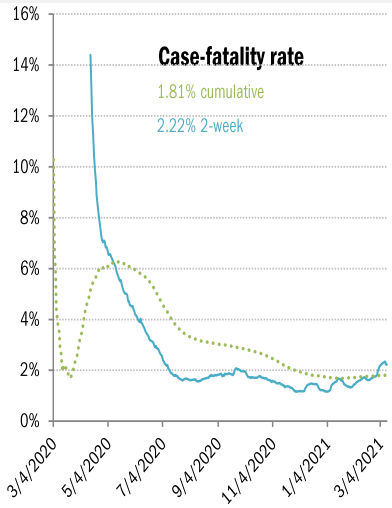
Source: CDC, CDC, Our World in Data, TrendMacro calculations

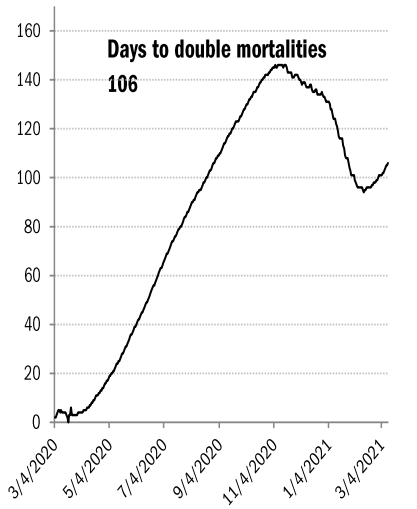
US deep-dive

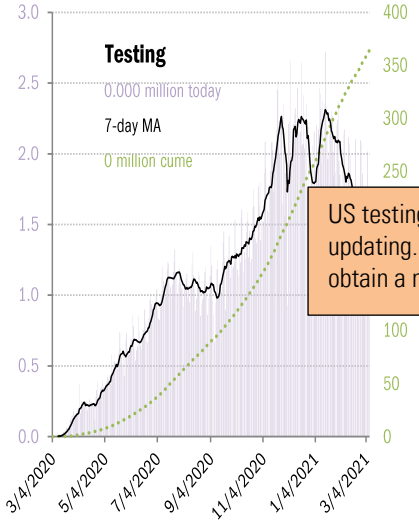
National and state-by-state data do not line up because of different sources



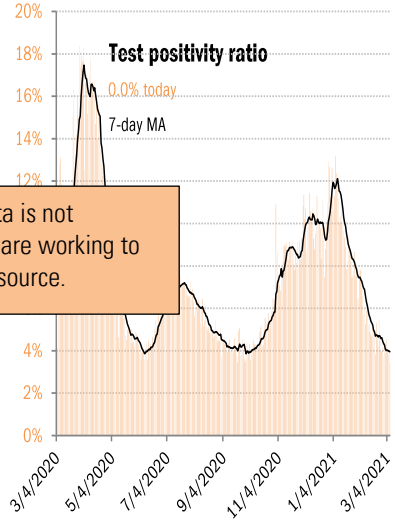


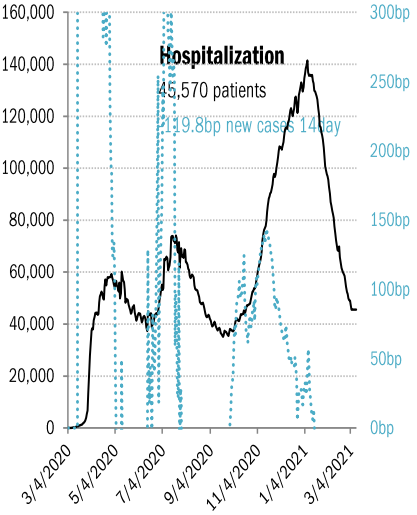


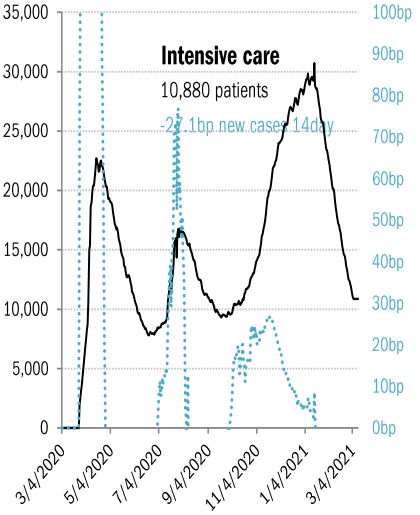


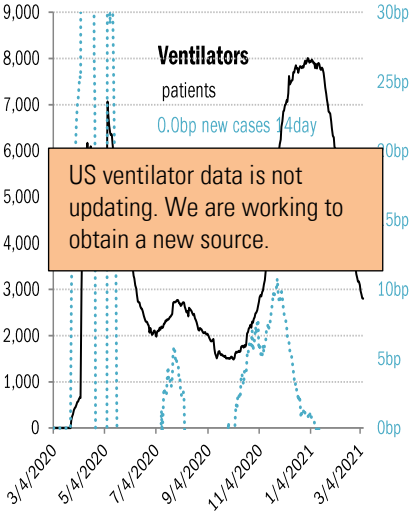


US testing data is not updating. We are working to obtain a new source.





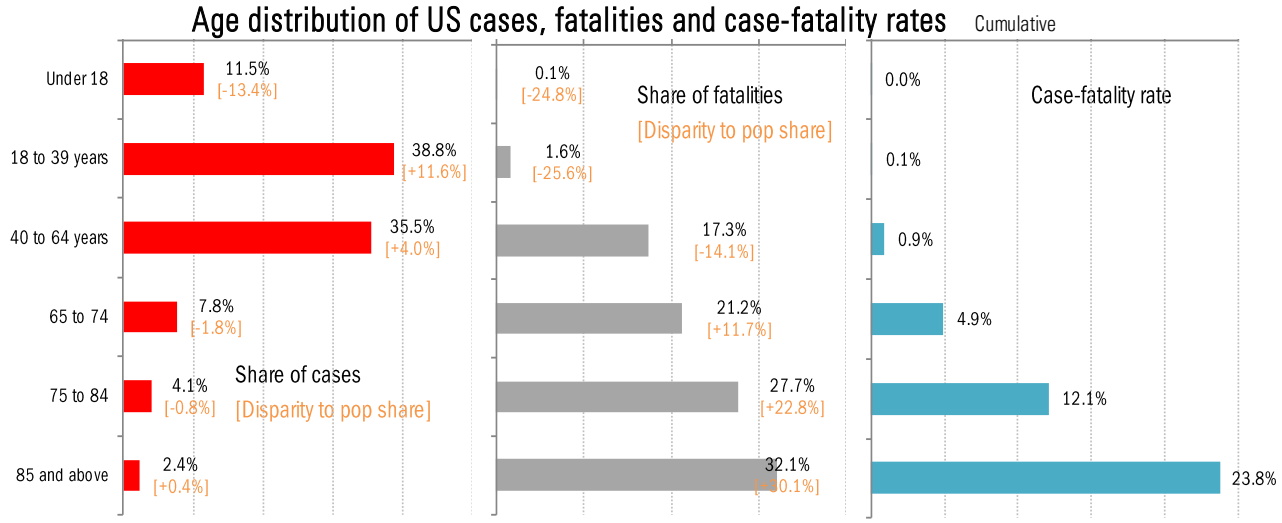


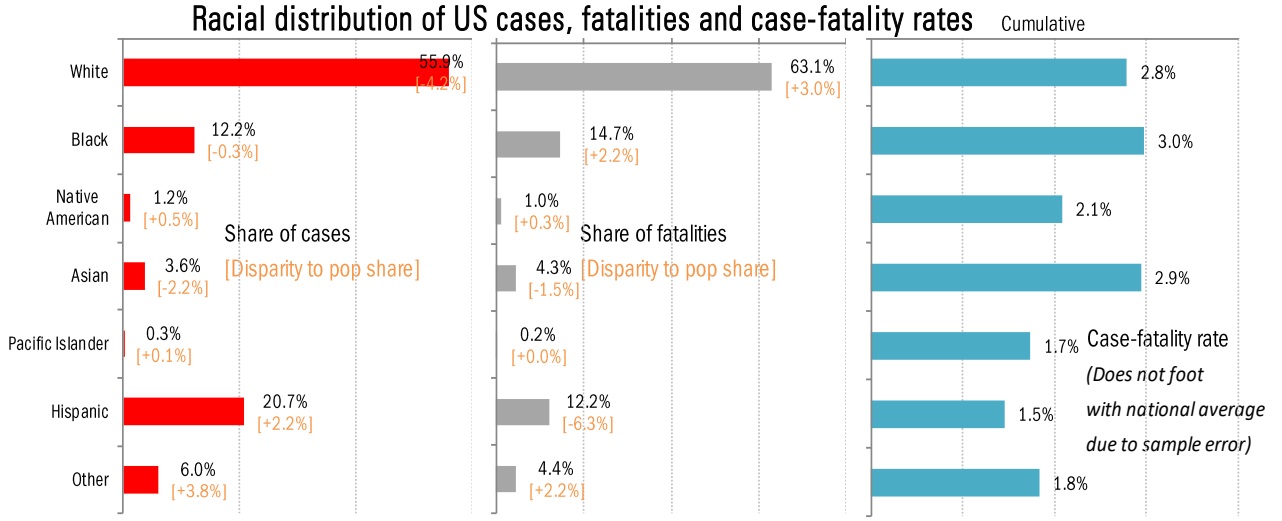


US ventilator data is not updating. We are working to obtain a new source.

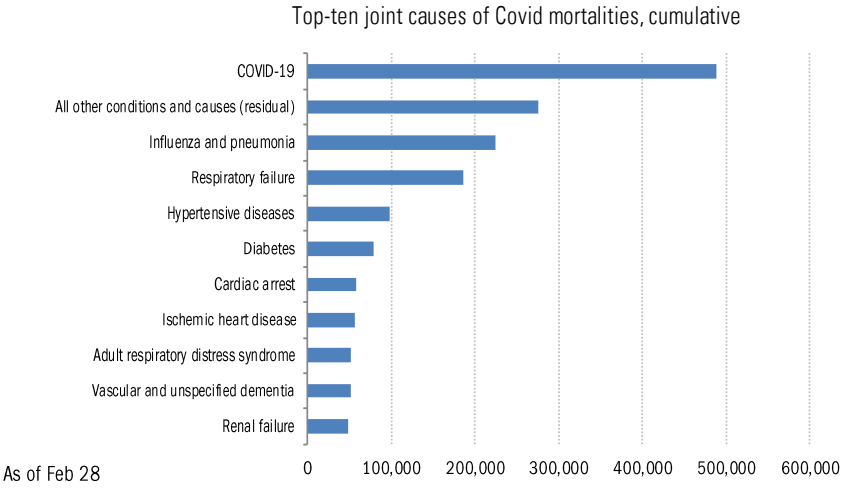
Source: Johns Hopkins, TrendMacro calculations

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





Comorbidities



As of Feb 28

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

N.Y. Gov. Andrew Cuomo Will Face Impeachment Investigation by New York State Lawmakers
Jimmy Vielkind
Wall Street Journal
March 11, 2021

The Lockdowns Weren't Worth It
Philippe Lemoine
Wall Street Journal
March 11, 2021

The danger of reopening too slowly
Hadley Heath Manning
Washington Examiner
March 10, 2021

Gov. Whitmer could face criminal charges over Michigan nursing home deaths, prosecutor says
Scott McClallen
Center Square Michigan
March 9, 2021

As recall threat grows, California Gov. Gavin Newsom shifts his governing style, pushing reopenings
Taryn Luna
Los Angeles Times
February 27, 2021

Zombie Preparedness
CDC
February 23, 2021

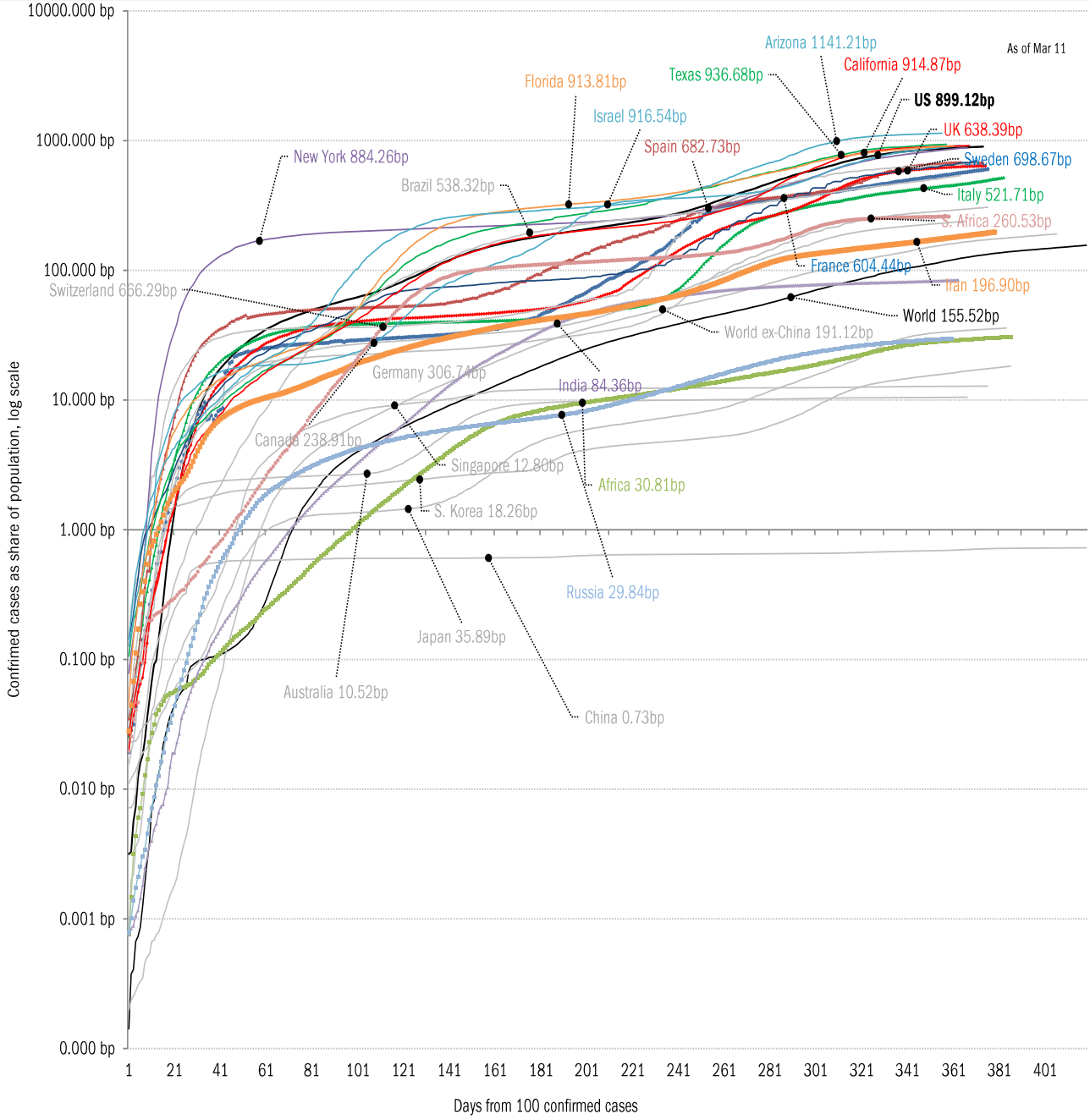
Meme of day

10,000th Victim Comes Forward To Accuse Cuomo Of Inappropriately Killing Her Grandma

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

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

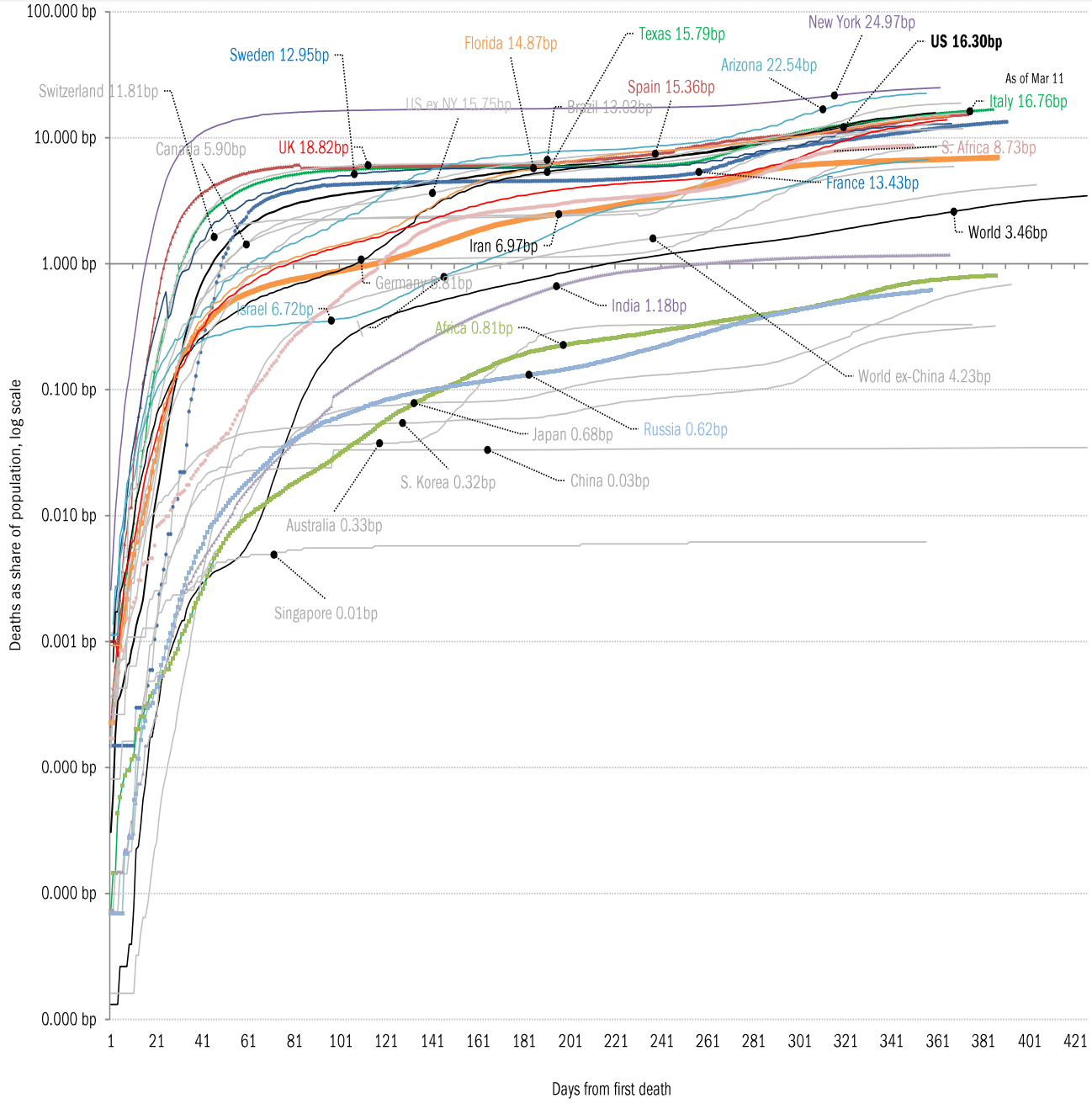
Share of infected population from first day with 100 confirmed cases, log scale



Source: Johns Hopkins, TrendMacro calculations

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

Share of deceased population from day of first fatality

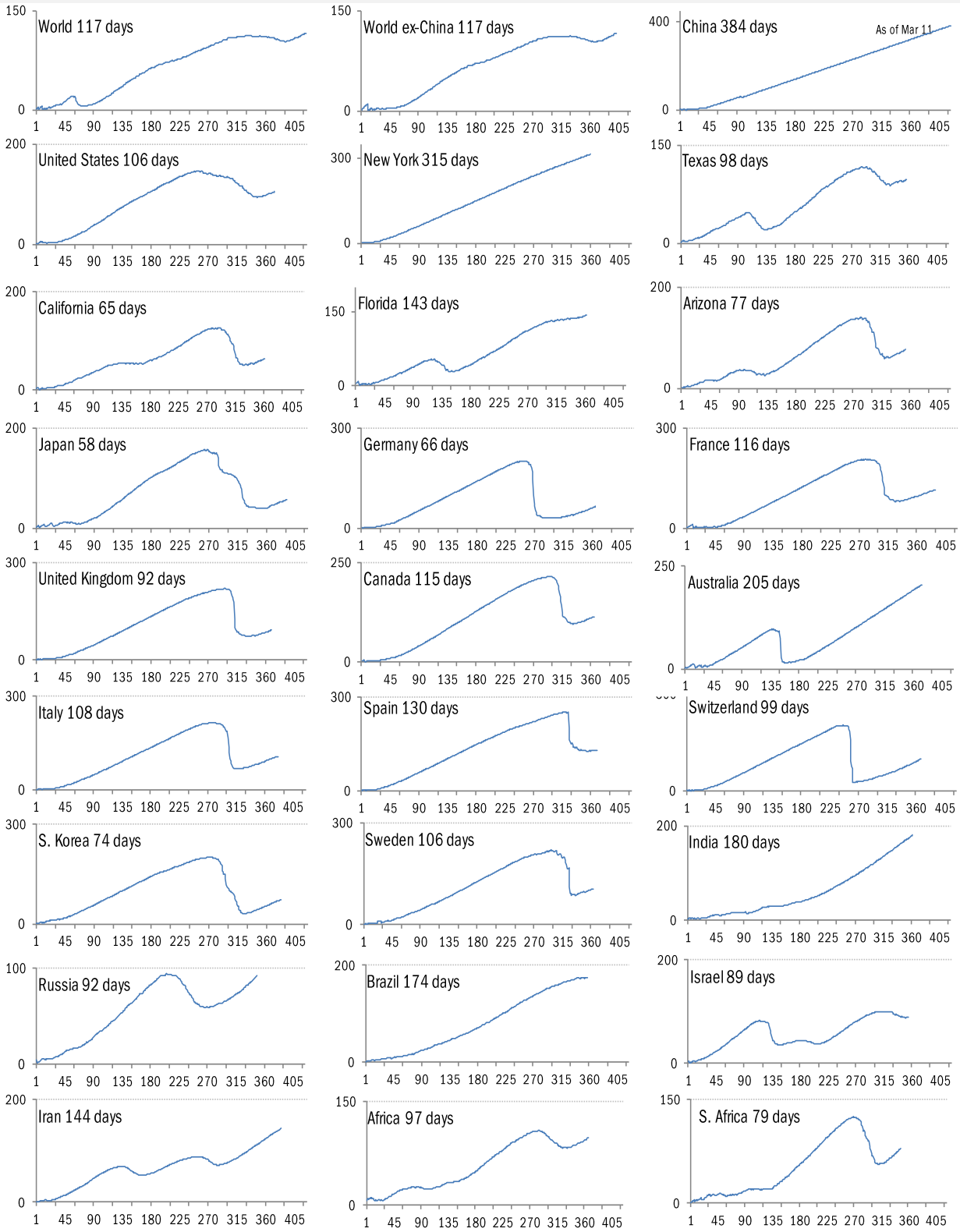


Source: Johns Hopkins, TrendMacro calculations

"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

US testing data is not updating. We are working to obtain a new source.

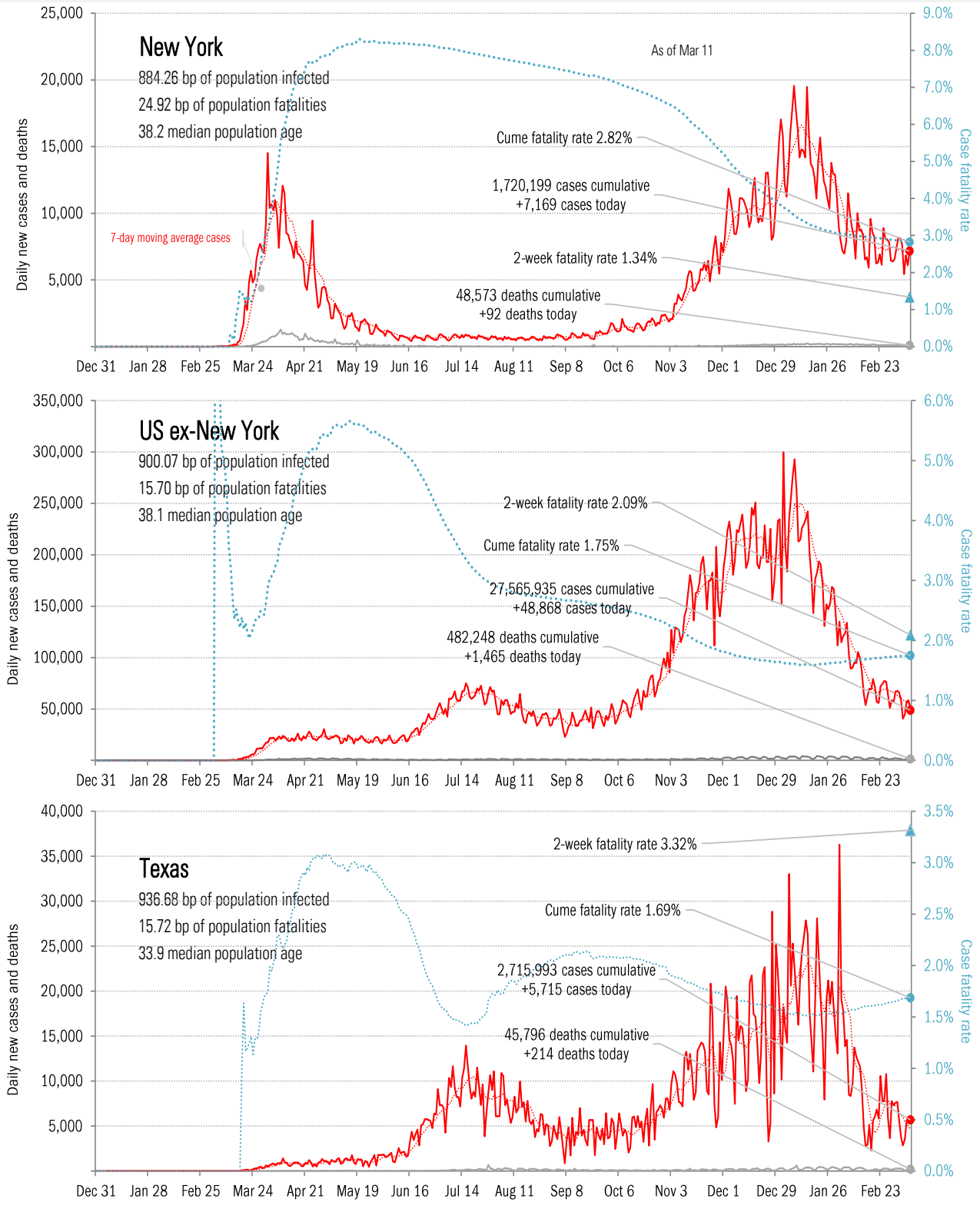
Alt requirement to Open Up America Again: 14-day "downward

14-day moving average, last 14 days Most recent value displayed

Downward trajectory Five best Upward trajectory Five worst

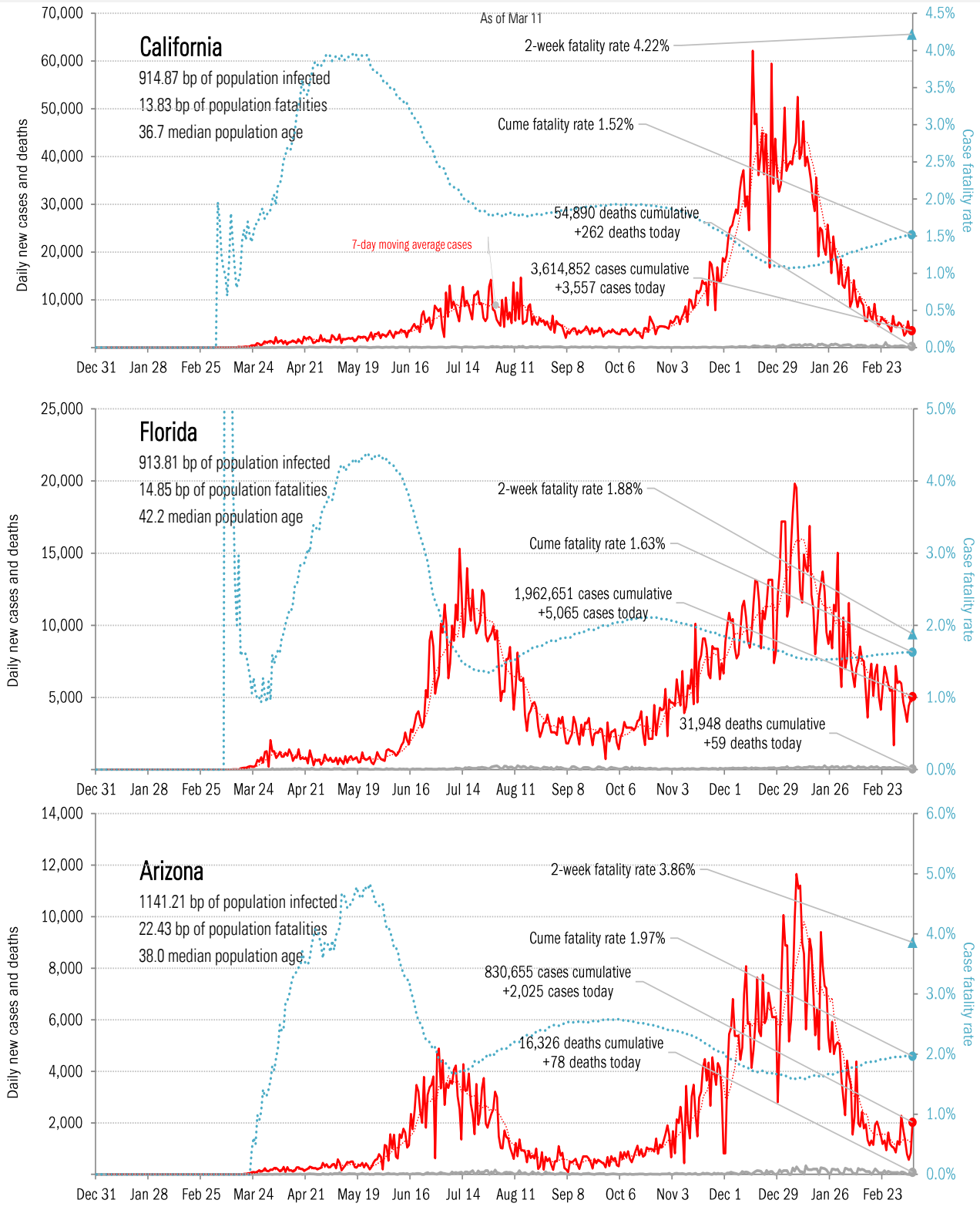
Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande



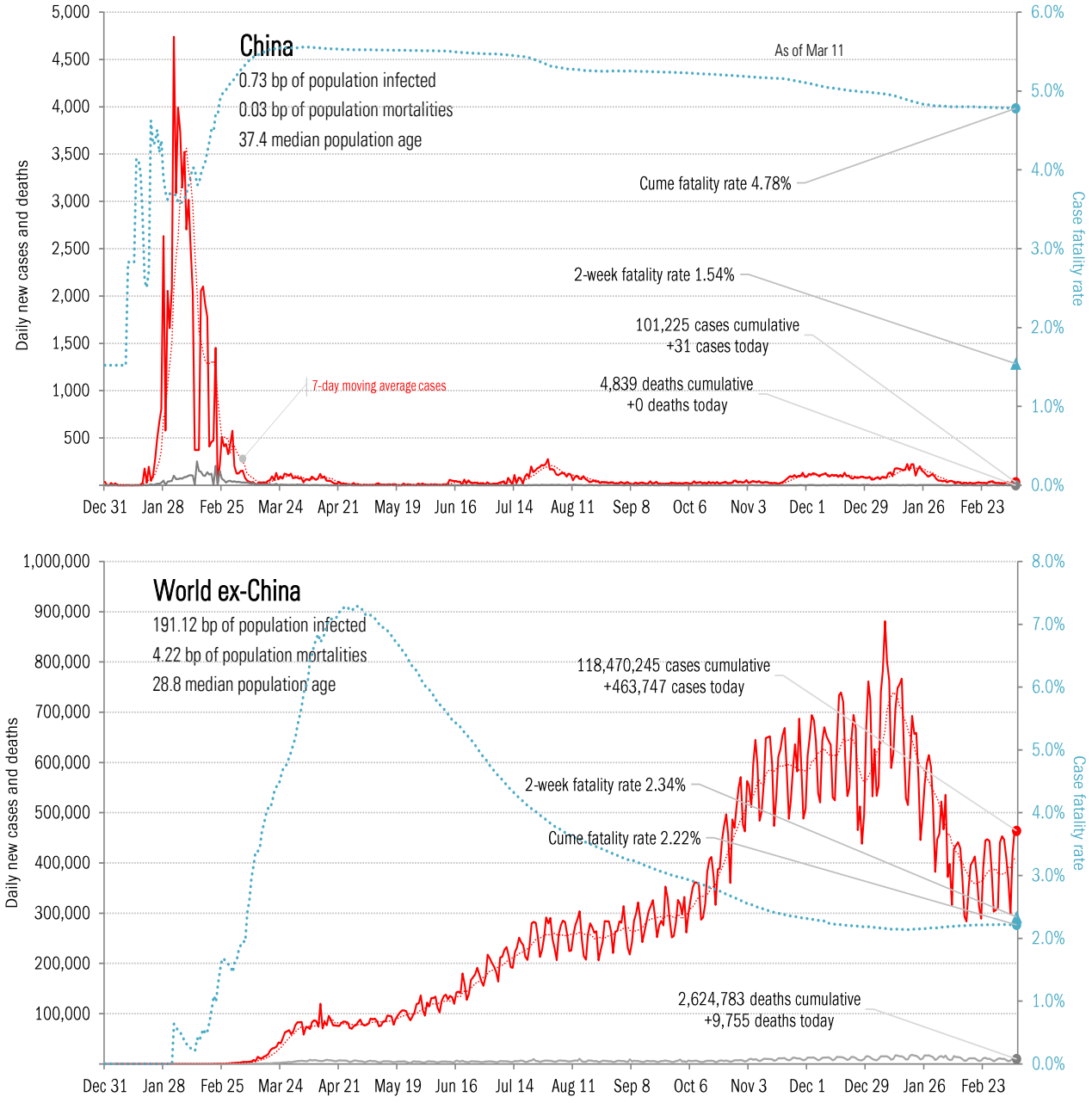
Source: Johns Hopkins, TrendMacro calculations

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



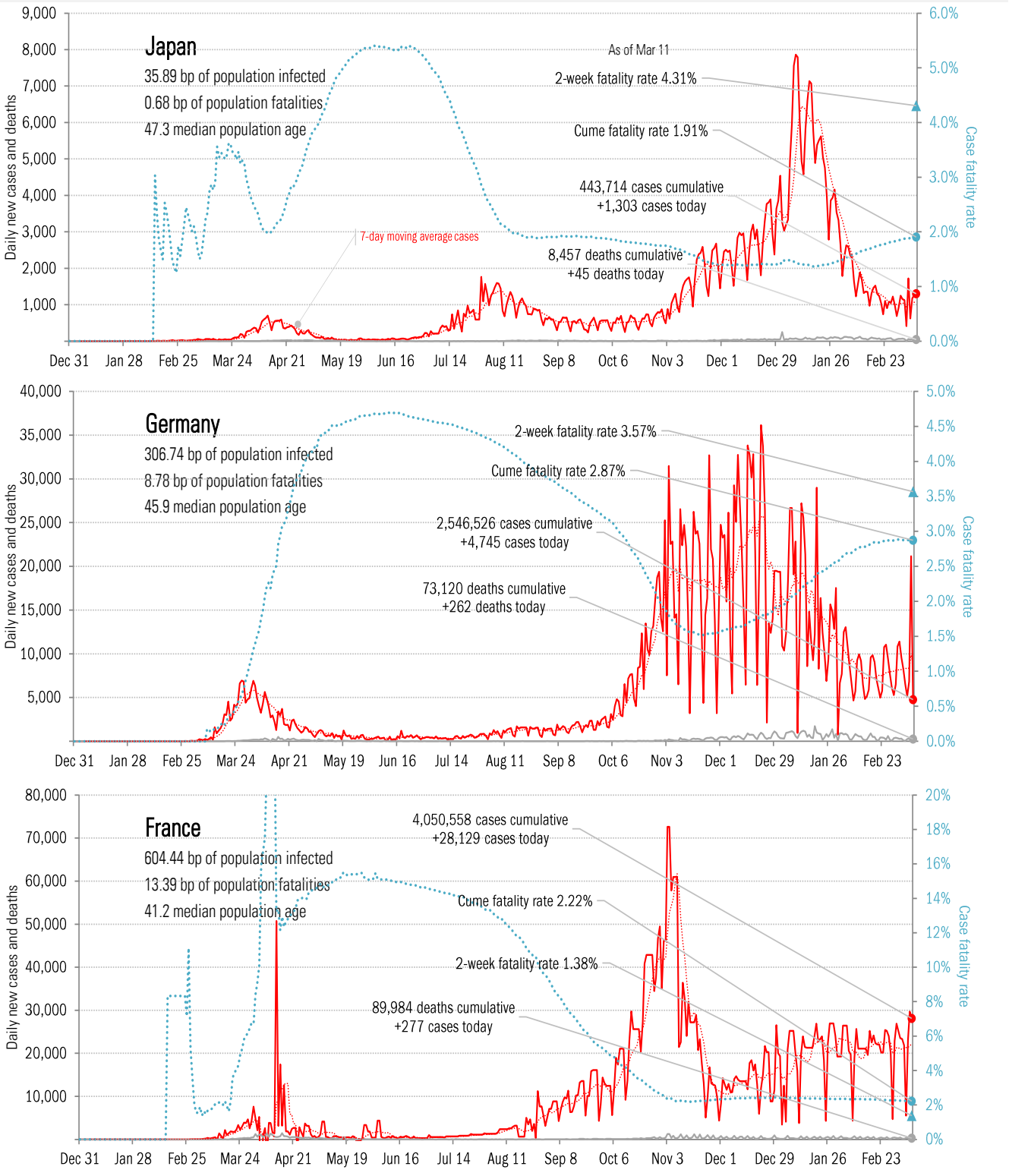
Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else



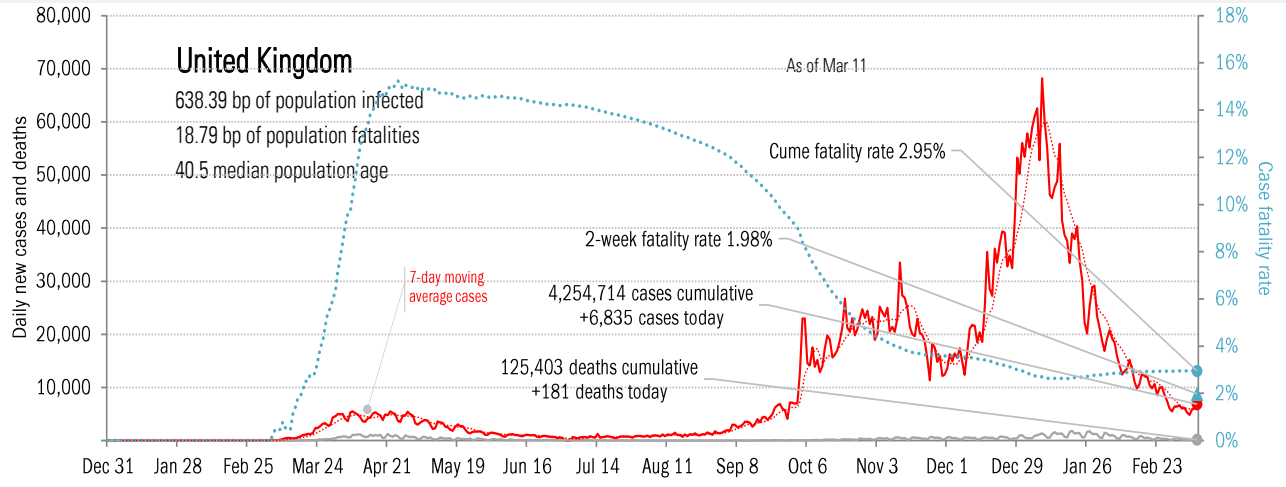
Source: Johns Hopkins, TrendMacro calculations

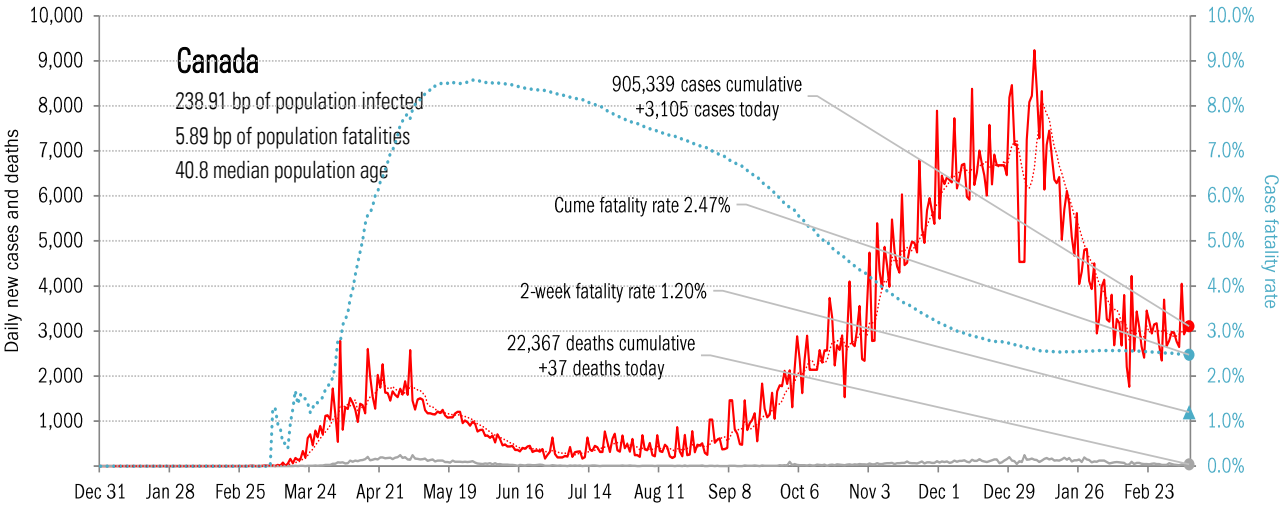
Impact in the largest economies

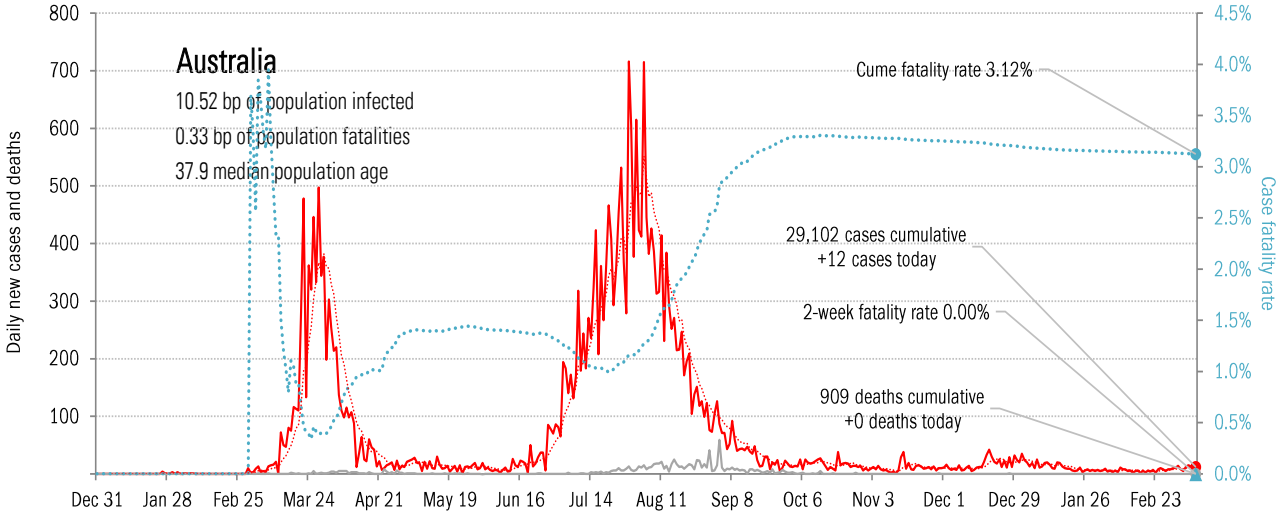


Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

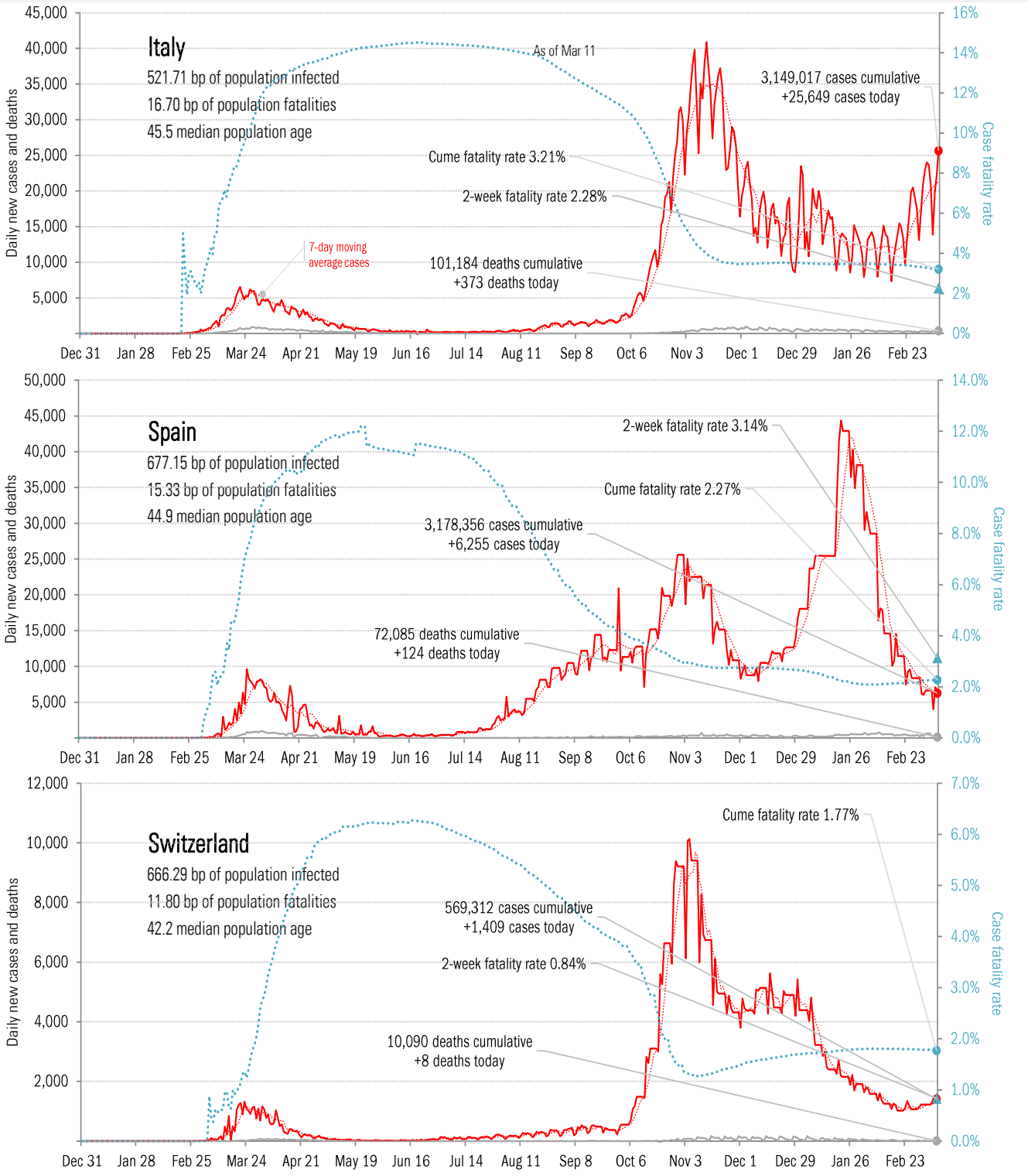






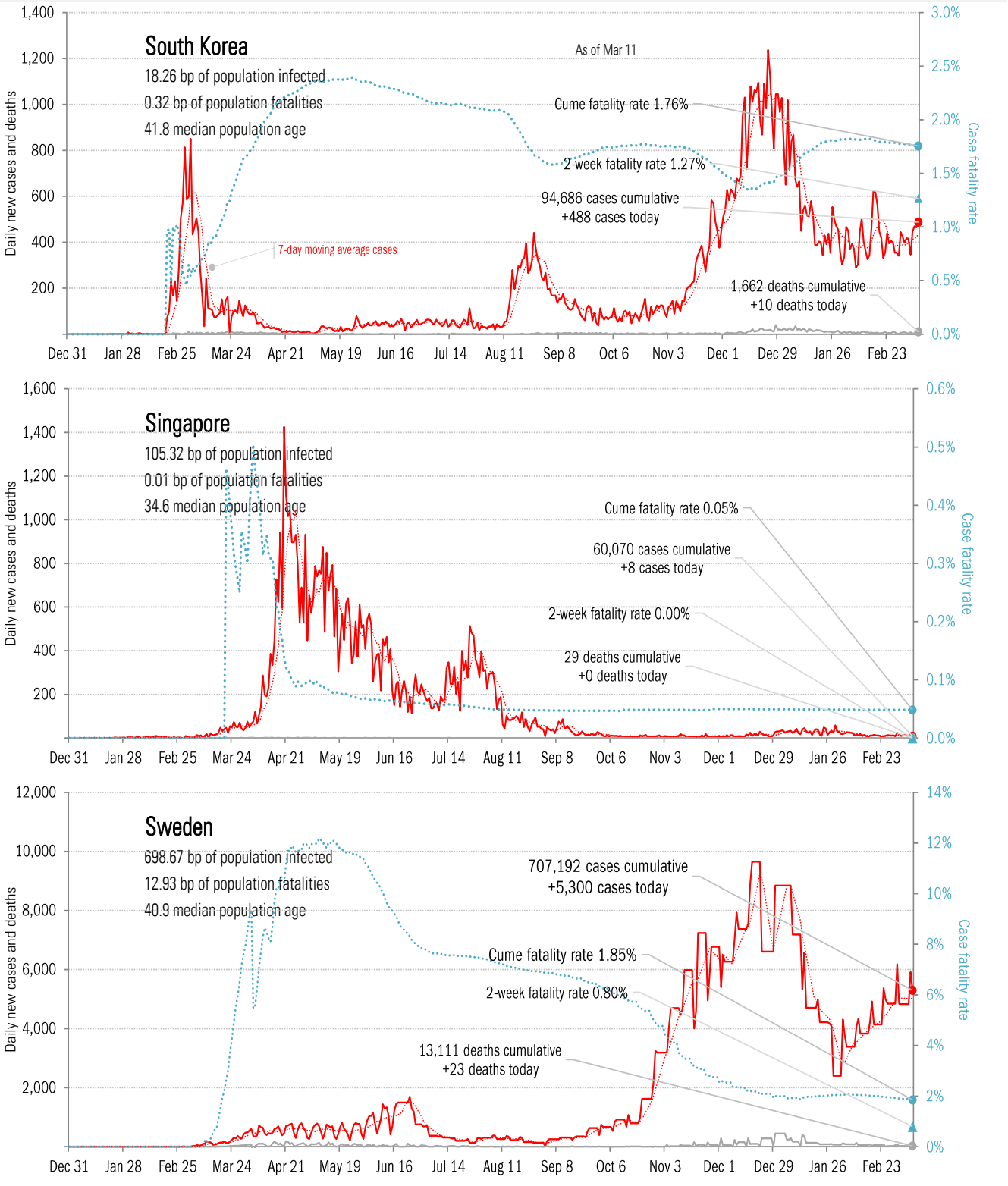
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



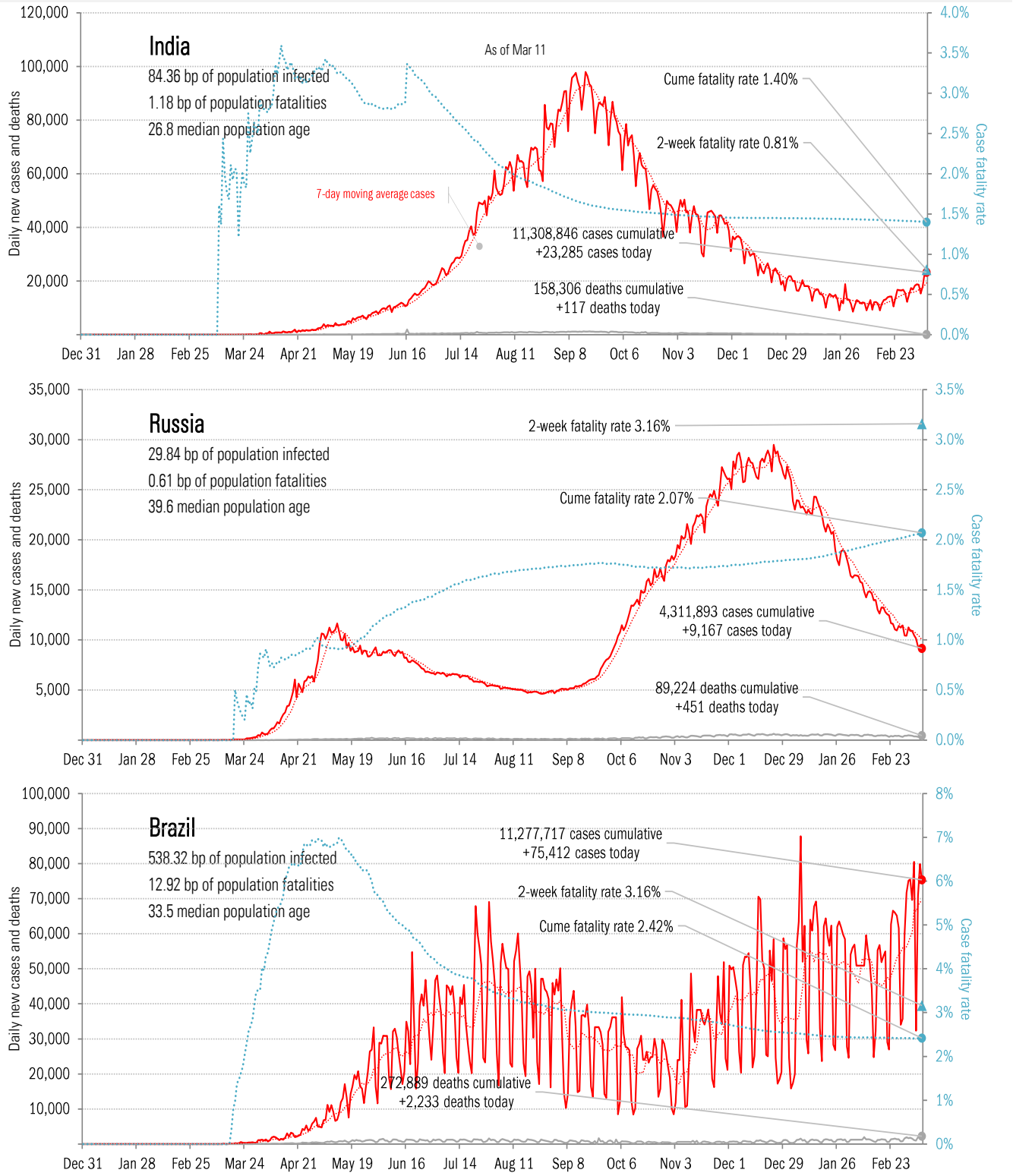
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



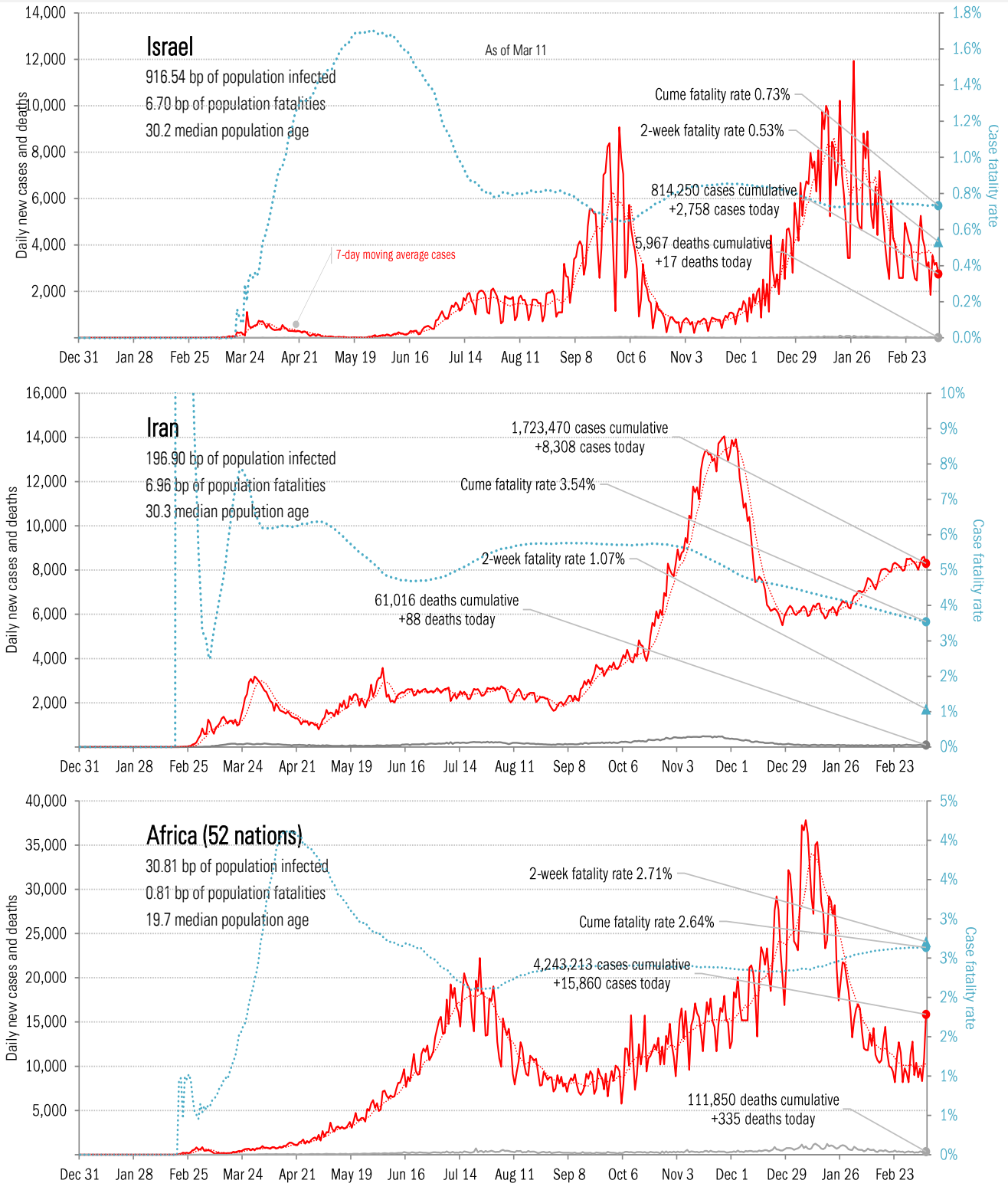
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



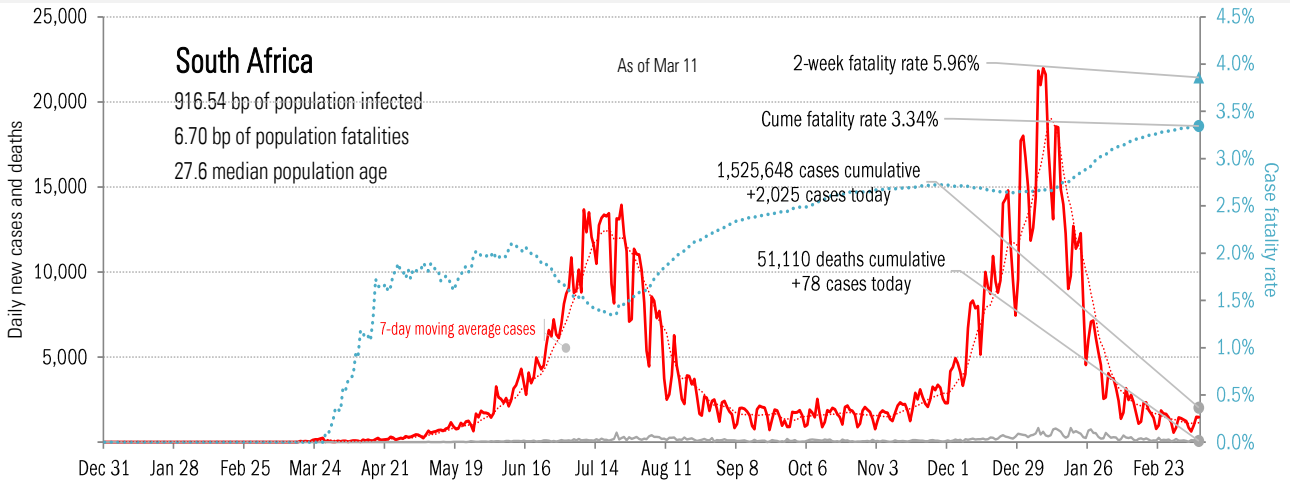
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations