Trend Macrolytics, LLC
Donald Luskin, Chief Investment Officer
Thomas Demas, Managing Director
Michael Warren, Energy Strategist

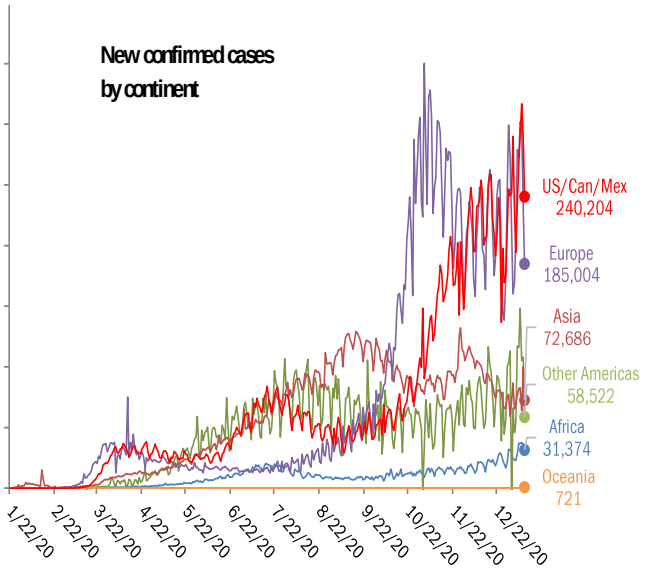
Data Insights: Covid-2019 Monitor

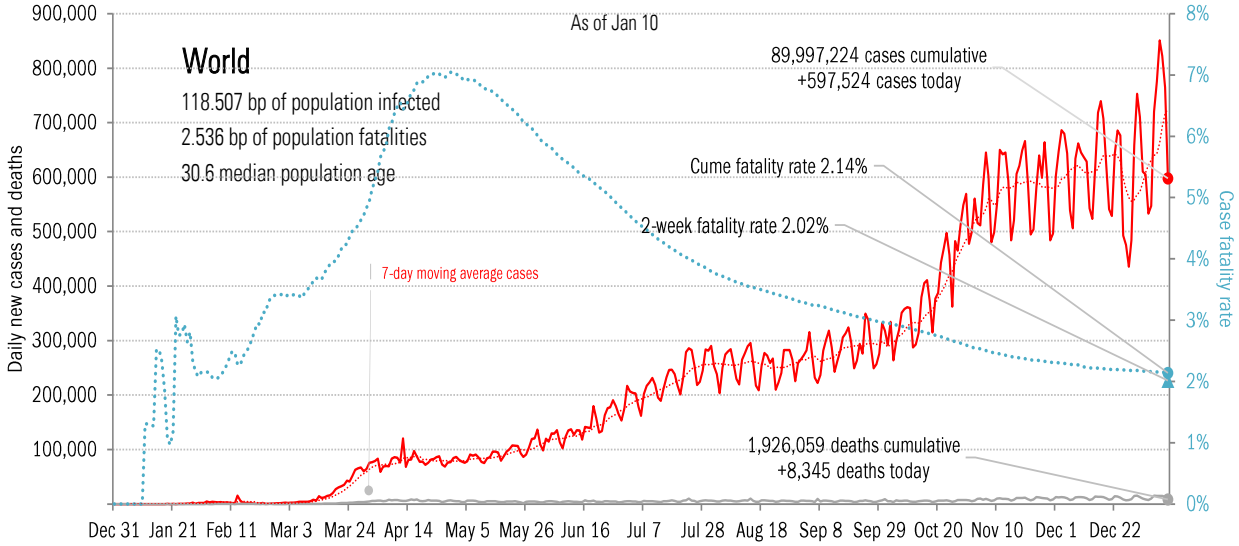
Monday, January 11, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+222,918	United States	+1,999
United Kingdom	+55,026	United Kingdom	+567
Brazil	+29,792	Mexico	+502
Russia	+22,540	Brazil	+469
Italy	+18,625	Russia	+440
South Africa	+17,421	Italy	+361
India	+16,311	Germany	+339
France	+15,944	South Africa	+339
Colombia	+15,537	Colombia	+330
Mexico	+10,003	Indonesia	+182
	+424,117		+5,528
World	+597,524	World	+8,345
Top ten	71%	Top ten	66%





Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

For more information contact us:
Donald Luskin: 312 273 6766 don@trendmacro.com
Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

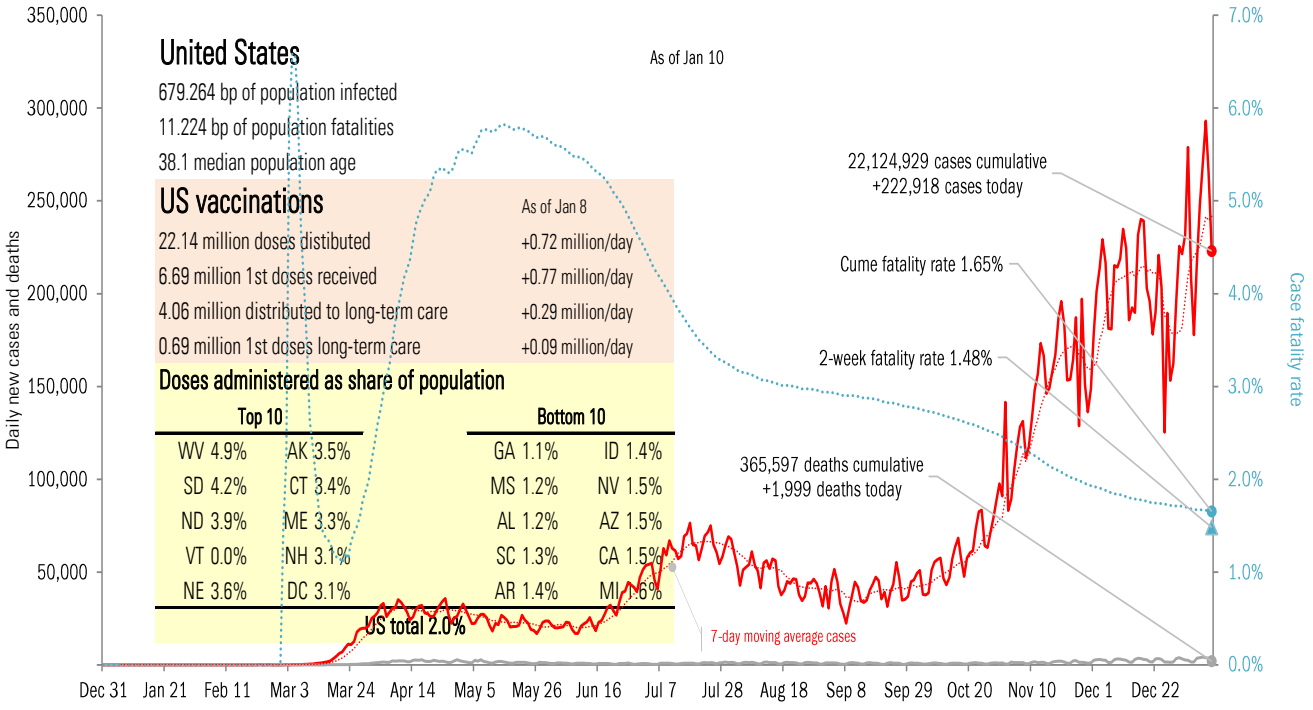
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CA	+49,685	CA	+468	OH	+229	CA	2,670,962	NY	31,672	NY	89,995	RI	90%	AL	96%
TX	+15,855	TX	+186	GA	+101	TX	1,954,406	TX	29,877	FL	66,533	GA	89%	GA	94%
NY	+15,355	NY	+153	MD	+73	FL	1,450,620	CA	29,701	NJ	53,253	SC	88%	RI	91%
FL	+12,041	NC	+142	AZ	+70	NY	1,126,442	FL	23,261	GA	44,635	MD	86%	OK	91%
AZ	+11,201	FL	+111	FL	+39	IL	1,028,750	NJ	19,886	AZ	43,582	DC	84%	CA	89%
NC	+8,833	AZ	+105	VA	+28	OH	777,065	IL	19,293	OH	41,158	FL	83%	NM	89%
PA	+7,506	PA	+103	DC	+12	PA	720,816	PA	17,770	IN	37,125	CA	81%	TN	89%
TN	+7,419	IL	+83	DE	+8	TN	653,869	MI	14,145	AL	36,754	PA	81%	TX	88%
GA	+7,169	TN	+81	SD	+3	GA	636,373	MA	13,151	MD	28,523	AZ	81%	MS	87%
OK	+6,487	MA	+77	VT	+3	NC	623,188	GA	11,458	MN	22,763	MA	81%	SC	87%
	+141,551		+1,509		+566		11,642,491		210,214		464,321				
All states	+222,918		+1,999		-1552	All states	22,124,929		365,597		729,844	All states	76%		80%
Top ten	63%		75%		-36%	Top ten	53%		57%		64%	Median	73%		78%

Some states not reporting

Five most improved US states

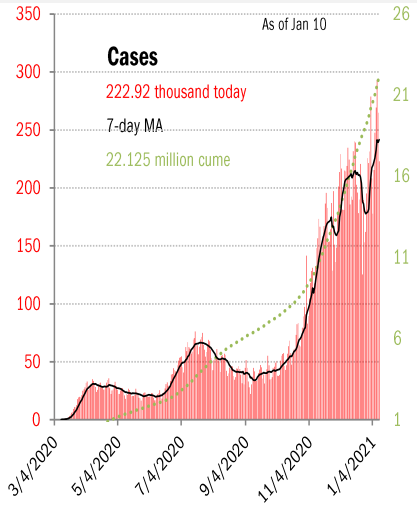
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-7,435	MI	-232	TX	-838	TX	+9,735
FL	-3,028	CA	-227	MO	-121	OH	+5,121
CA	-2,951	TX	-195	LA	-109	TN	+4,555
MI	-2,898	PA	-170	TN	-87	OK	+3,776
AR	-2,886	GA	-142	AL	-81	WI	+2,477

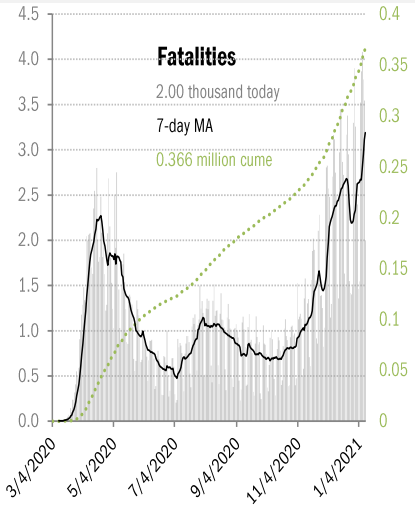


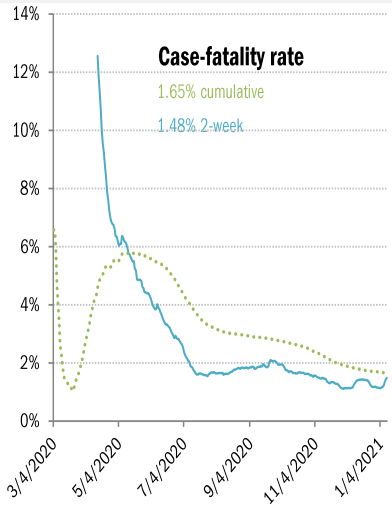
Source: Covid Tracking Project, Dept. of Health and Human Services, CDC, TrendMacro calculations

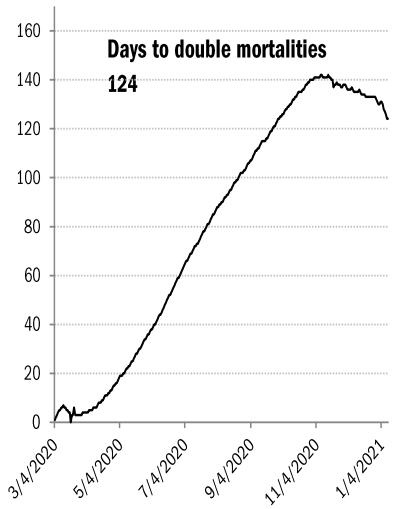
US deep-dive

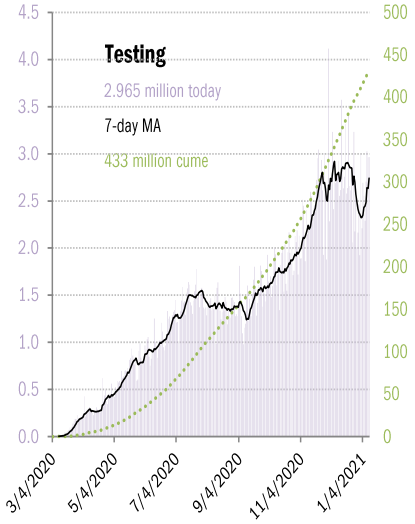
National and state-by-state data do not line up because of different sources

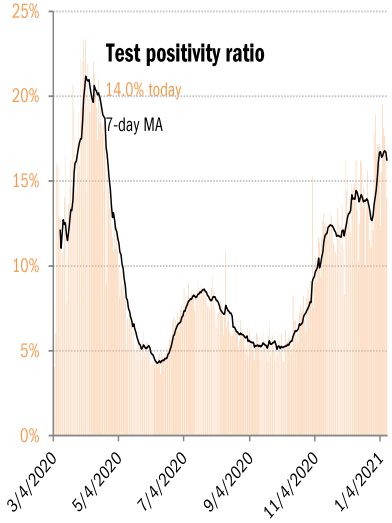


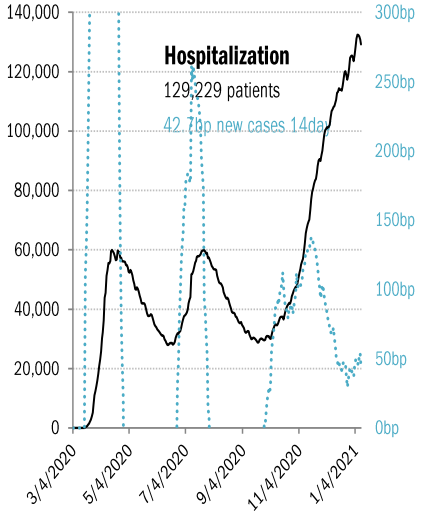


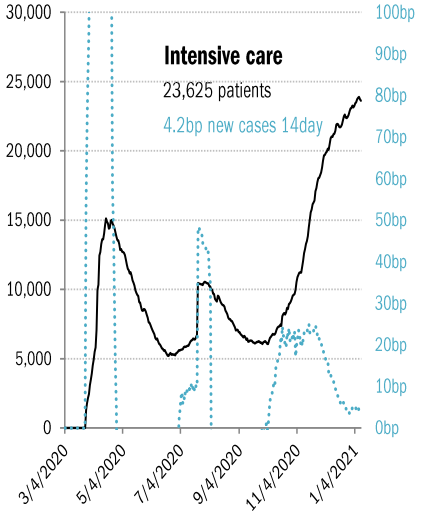


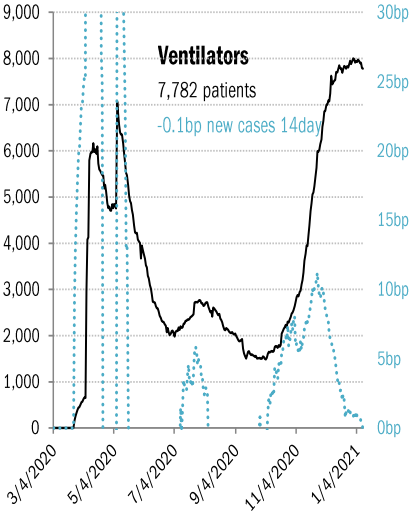






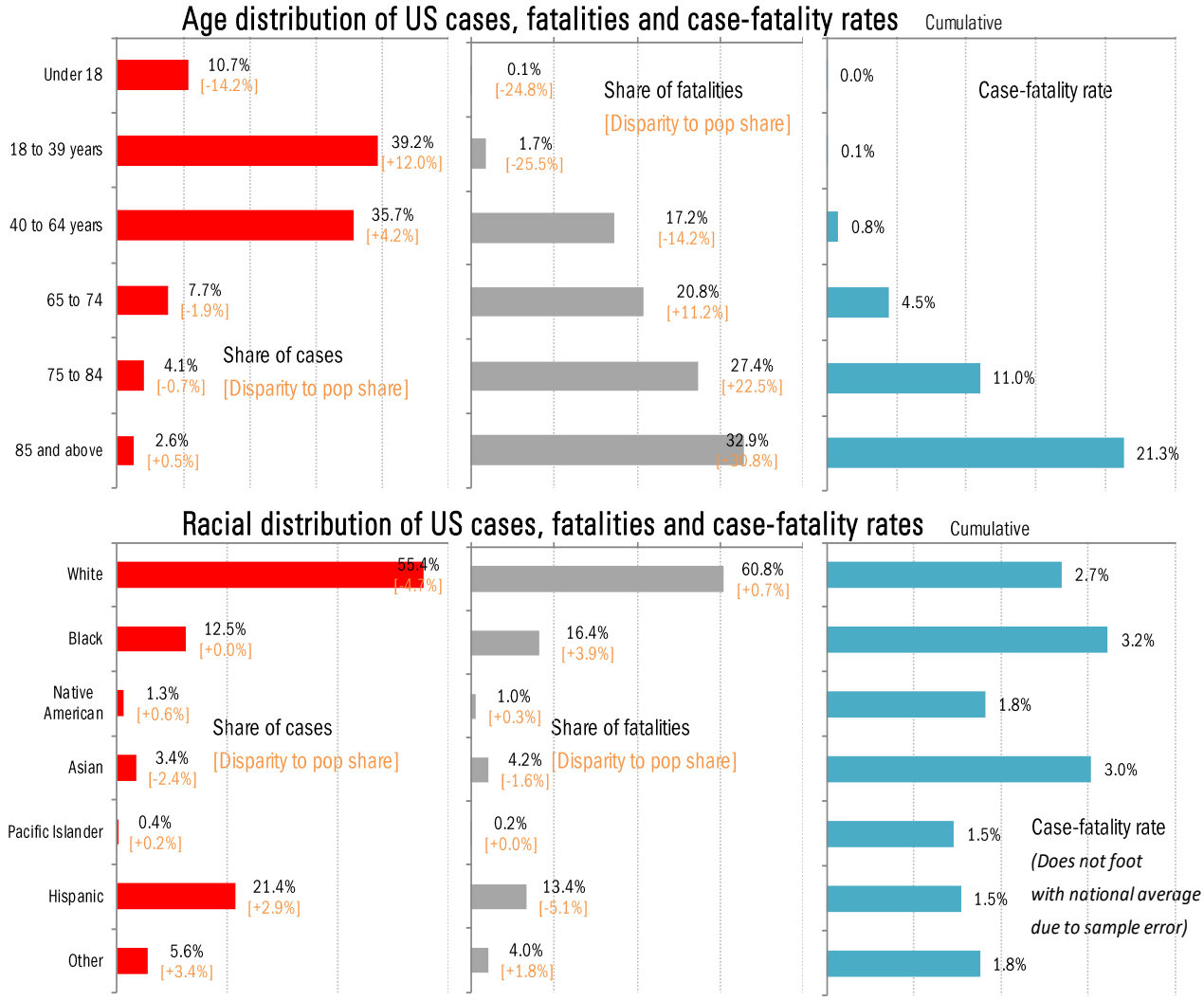




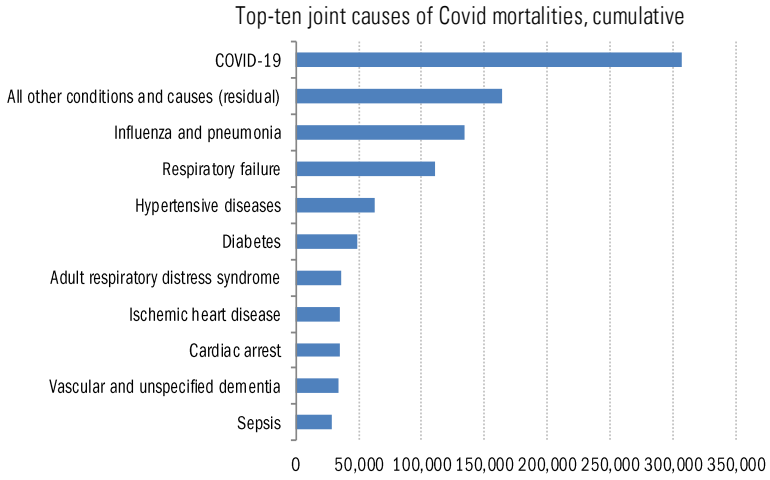


Source: Covid Tracking Project, TrendMacro calculations

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



Comorbidites



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 2.9 additional conditions or causes per death.

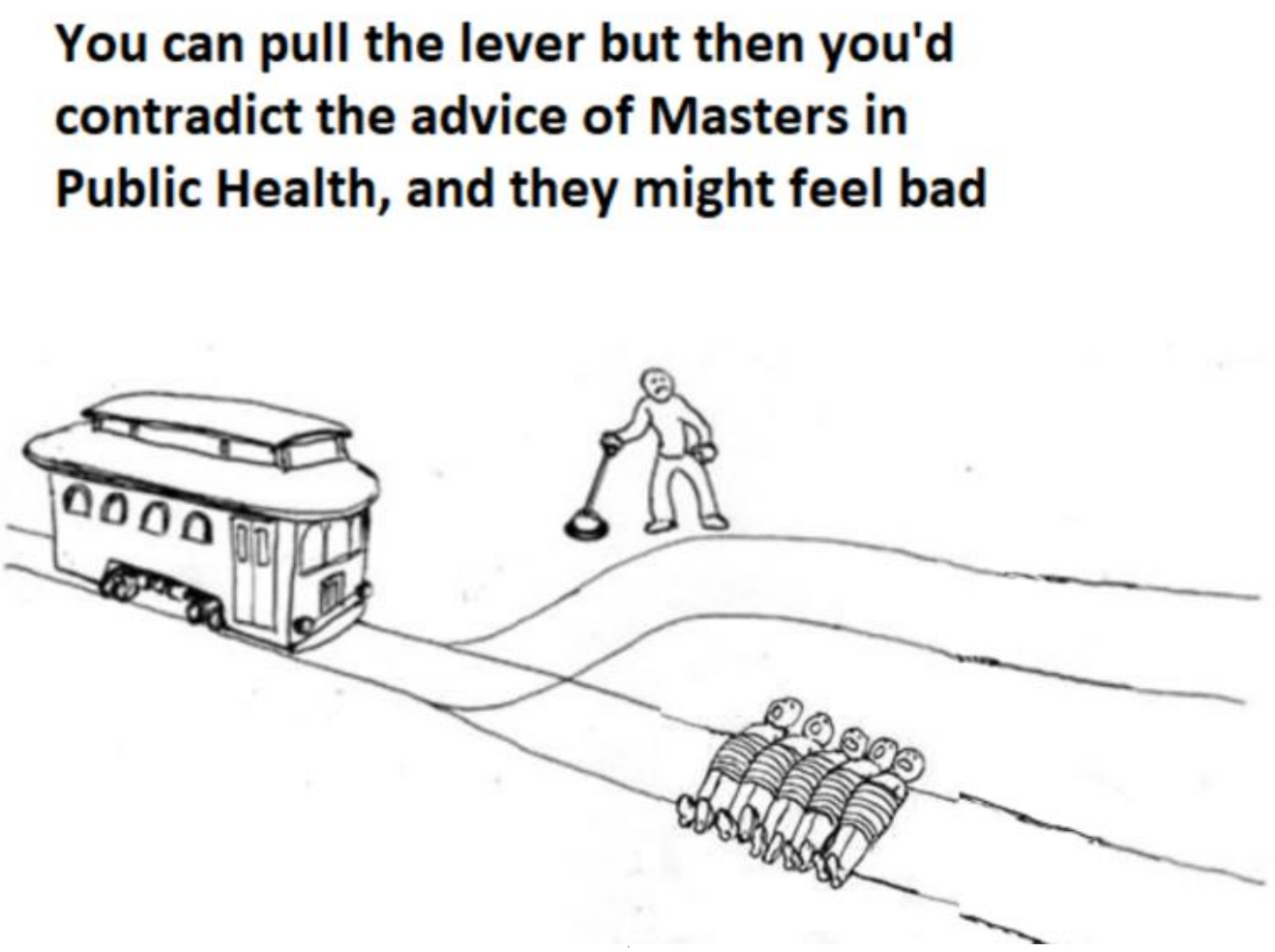
Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

Some Covid Survivors Haunted by Loss of Smell and Taste
Roni Caryn Rabin
New York Times
January 2, 2021

A Light Regulatory Touch to Keep Covid Drugs Current
Scott Gottlieb and Mark McClellan
Wall Street Journal
January 10, 2020

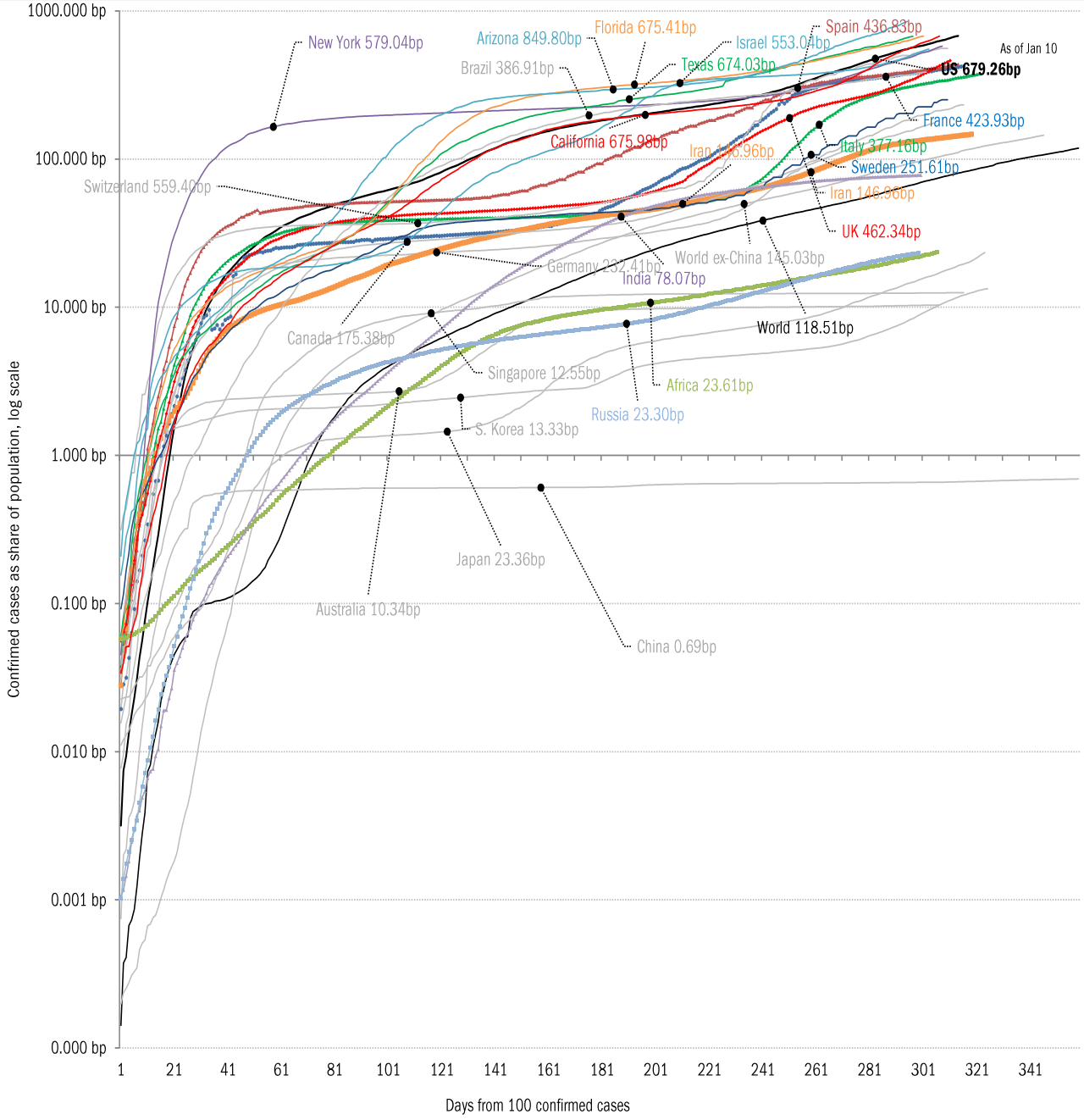
Meme of day



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

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

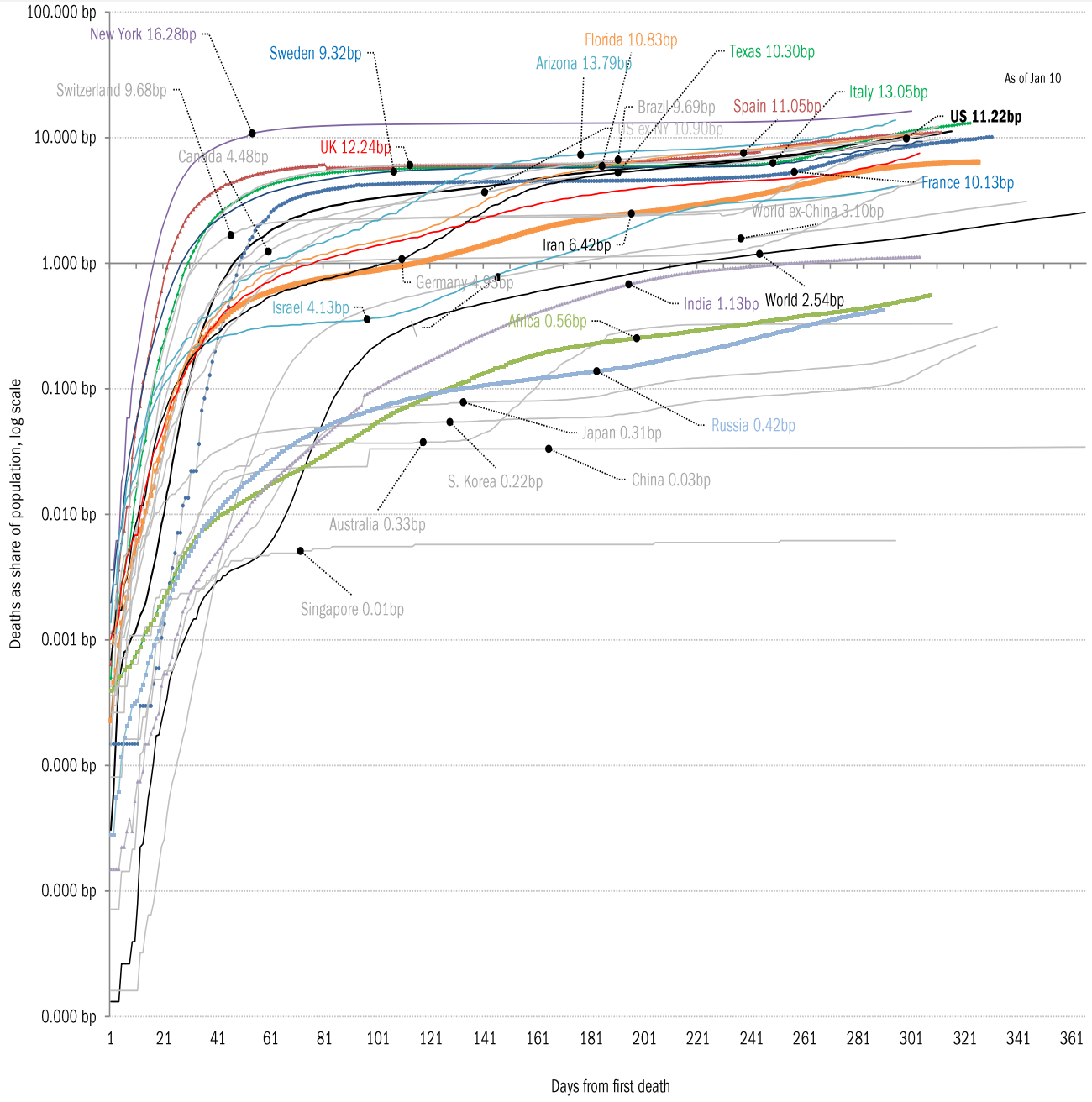
Share of infected population from first day with 100 confirmed cases, log scale



Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

Share of deceased population from day of first fatality

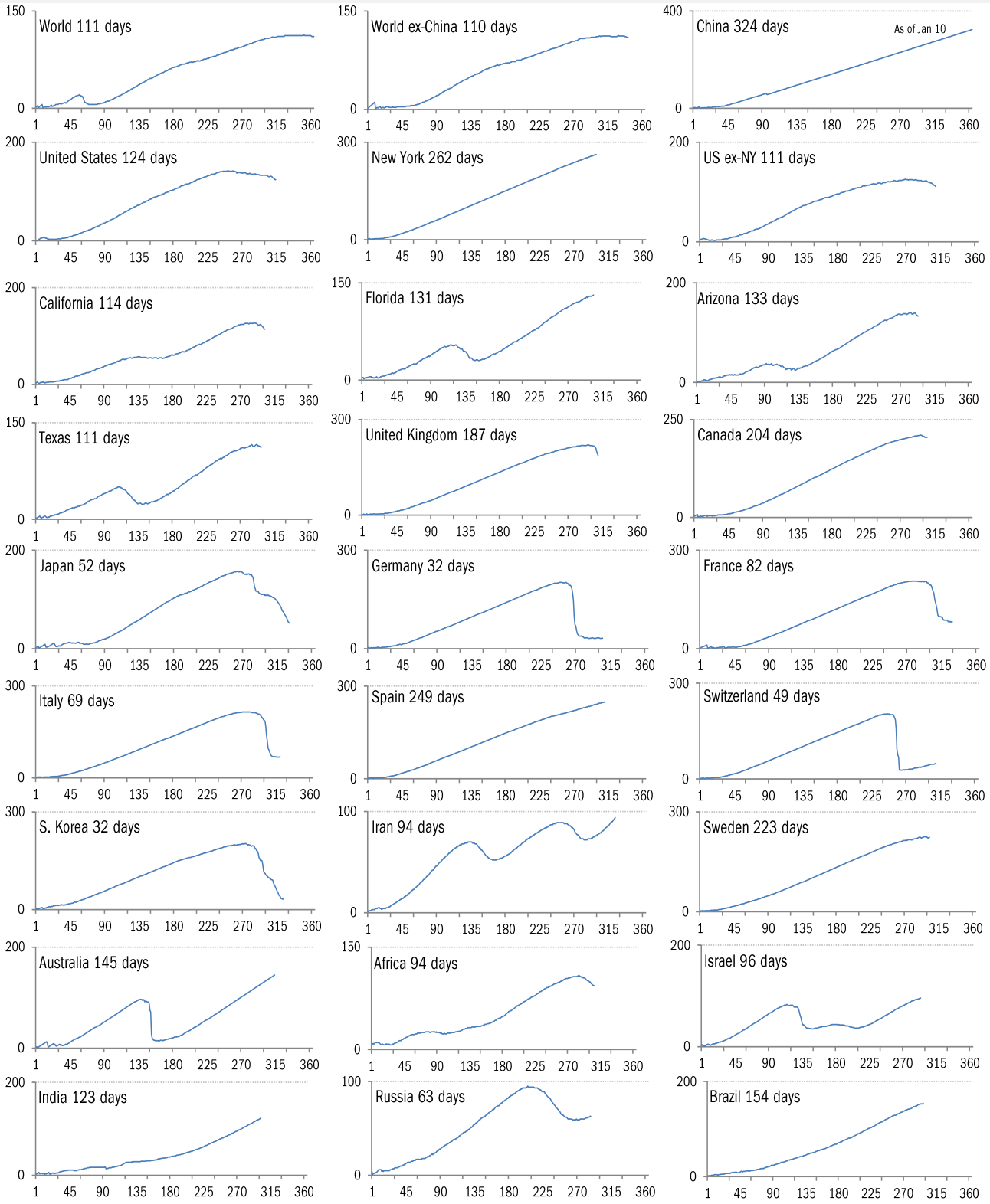


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

"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

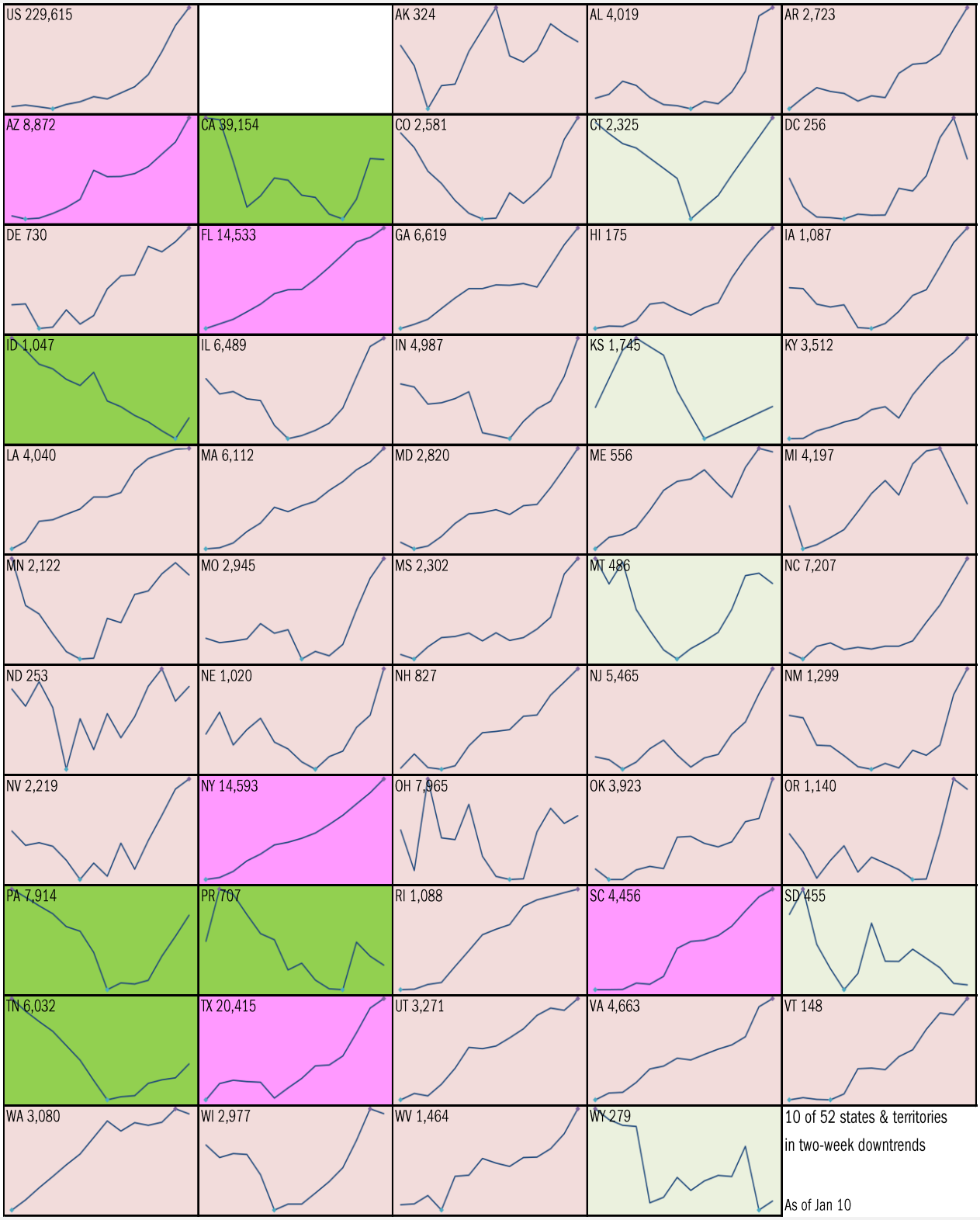


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

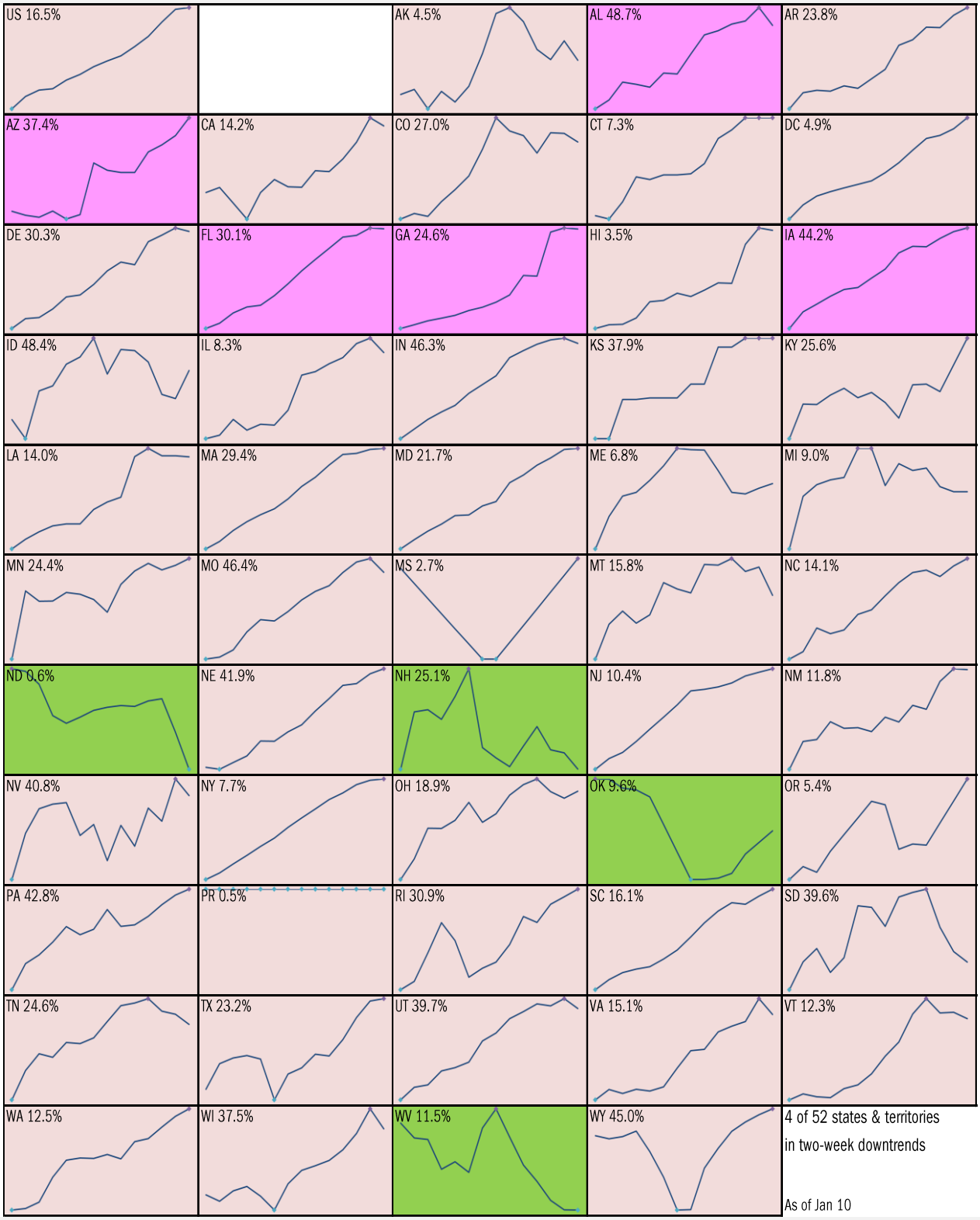


Source: Covid Tracking Project, TrendMacro calculations

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

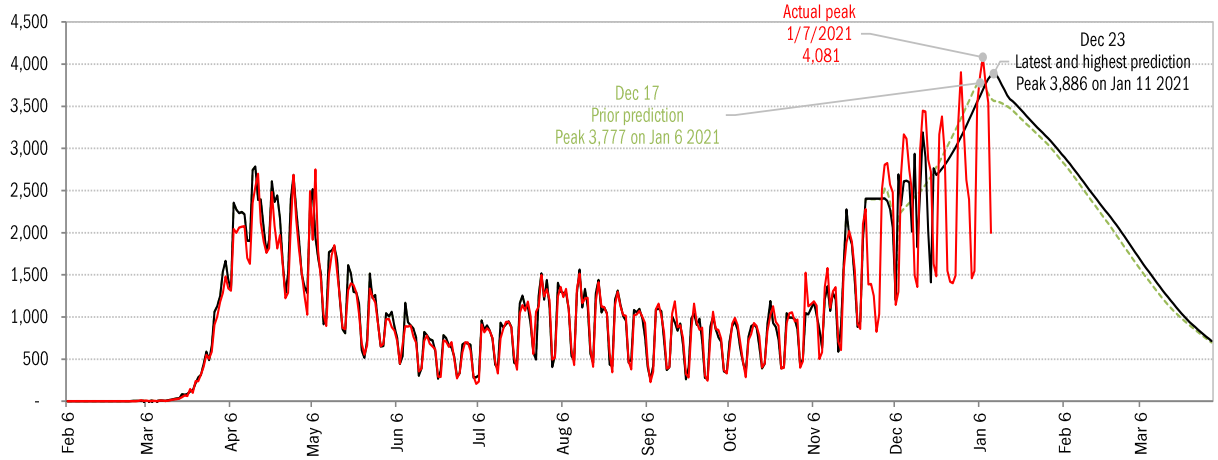


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

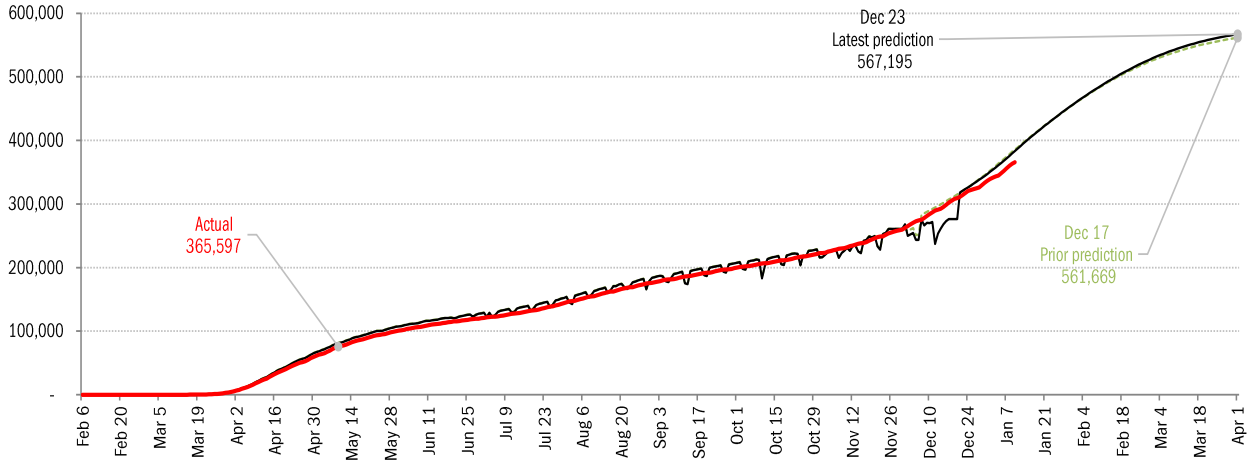
New daily fatalities As of Jan 10

Actual versus first, highest, lowest and latest model mean predictions

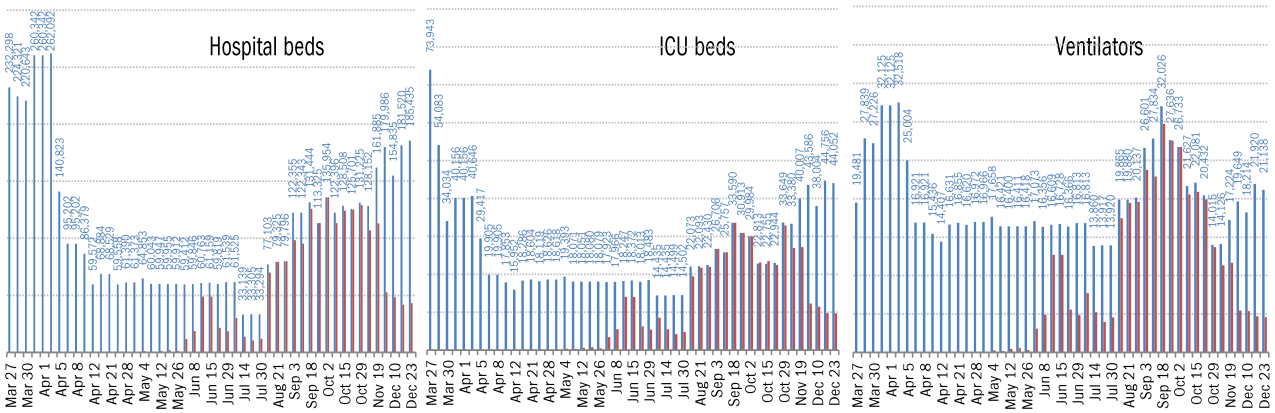


Cumulative fatalities

Actual versus first, highest, lowest and latest model mean predictions

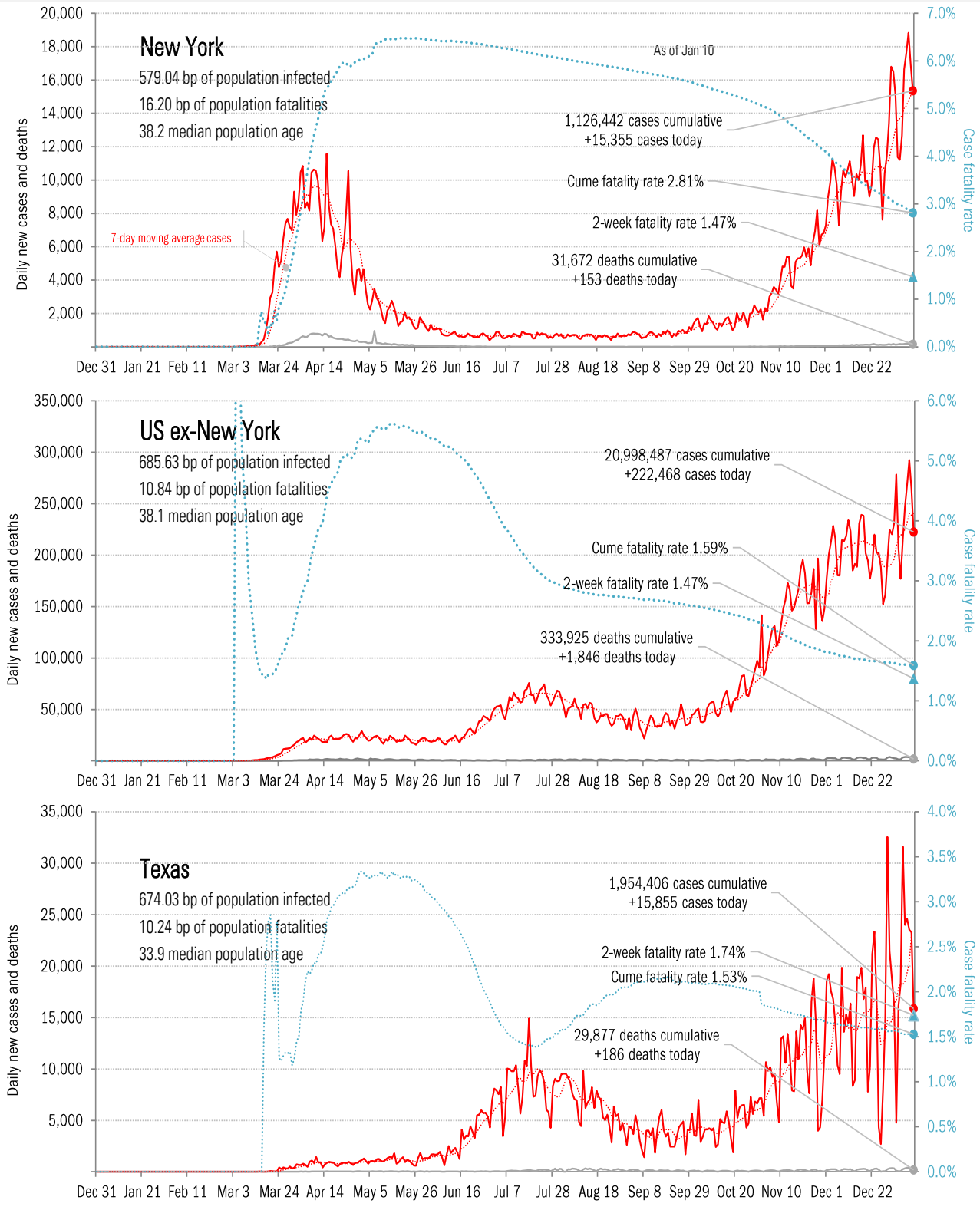


Healthcare system stress, peak and ultimate estimated at each model revision



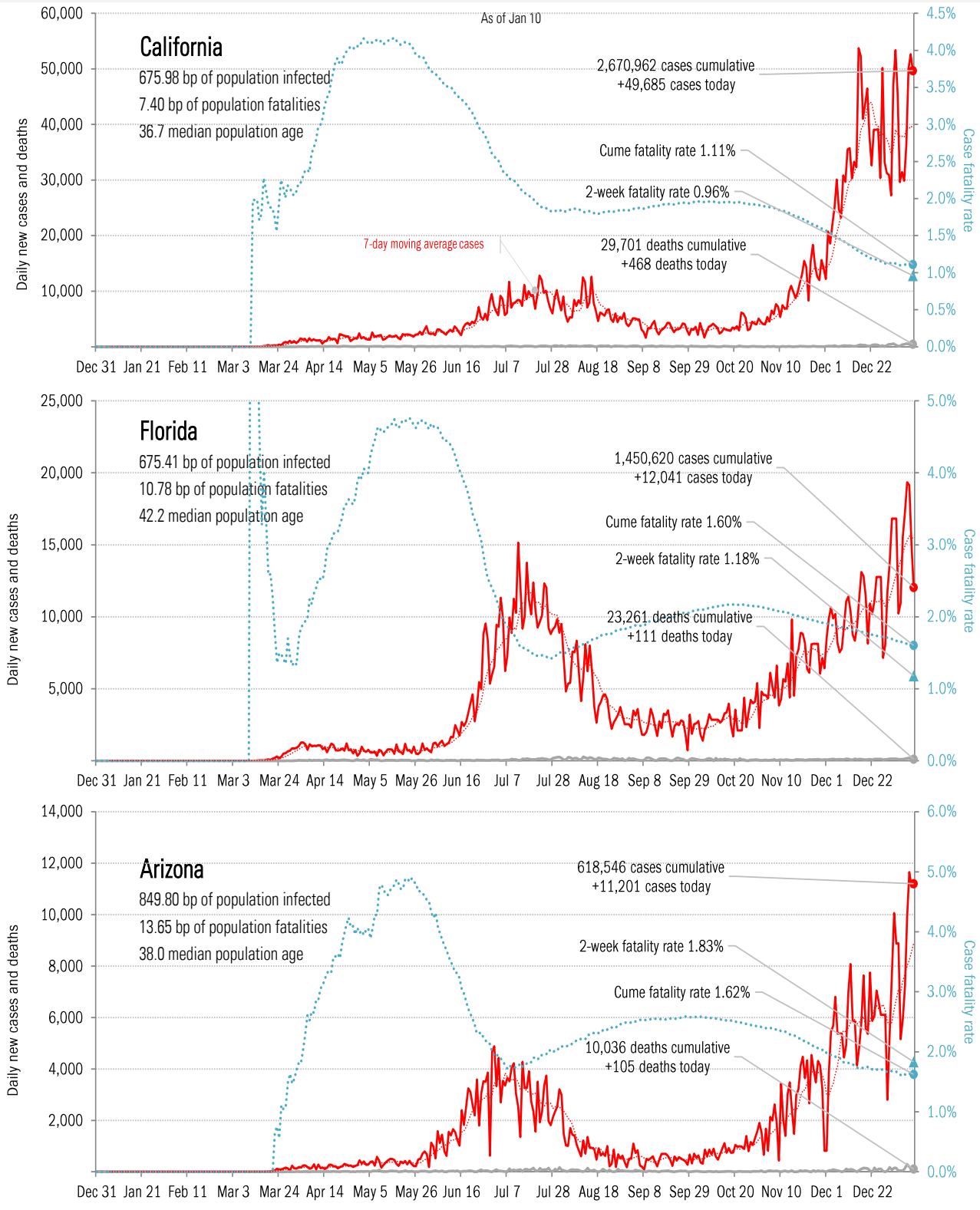
Source: IHME, Covid Tracking Project, TrendMacro calculations

From Ground Zero to the Rio Grande



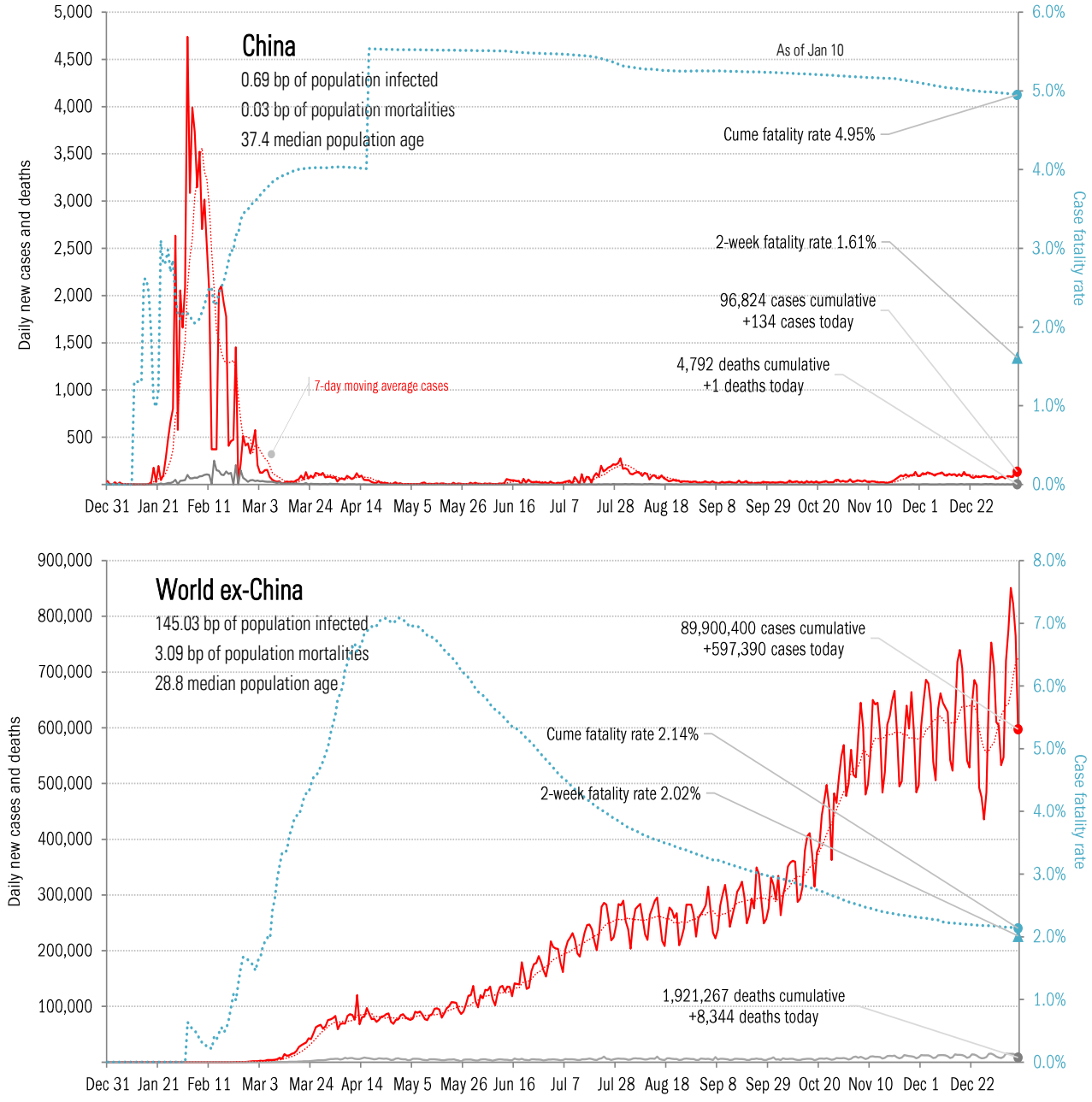
Source: Covid Tracking Project,, TrendMacro calculations

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



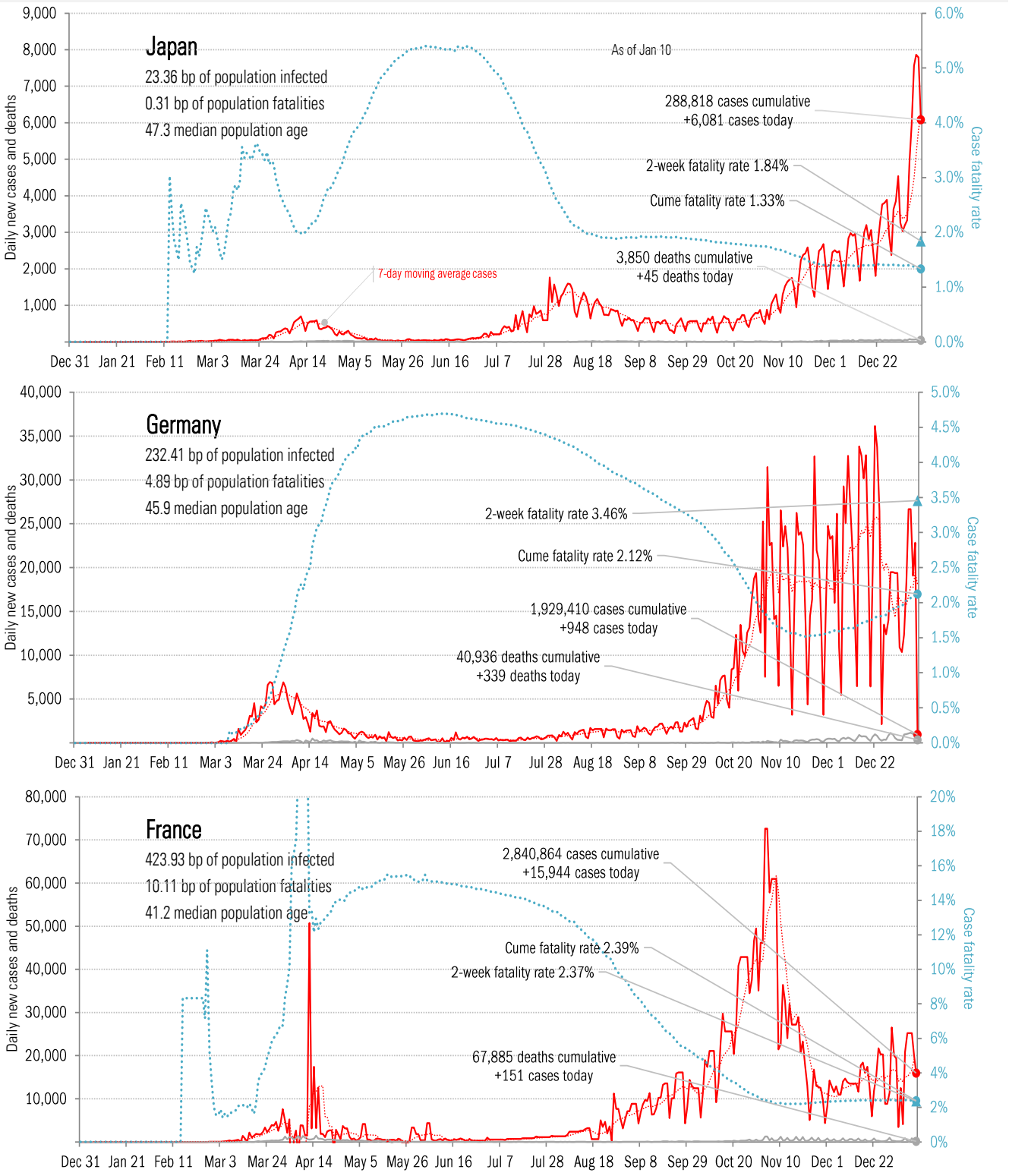
Source: Covid Tracking Project,, TrendMacro calculations

Patient zero… and then everyone else



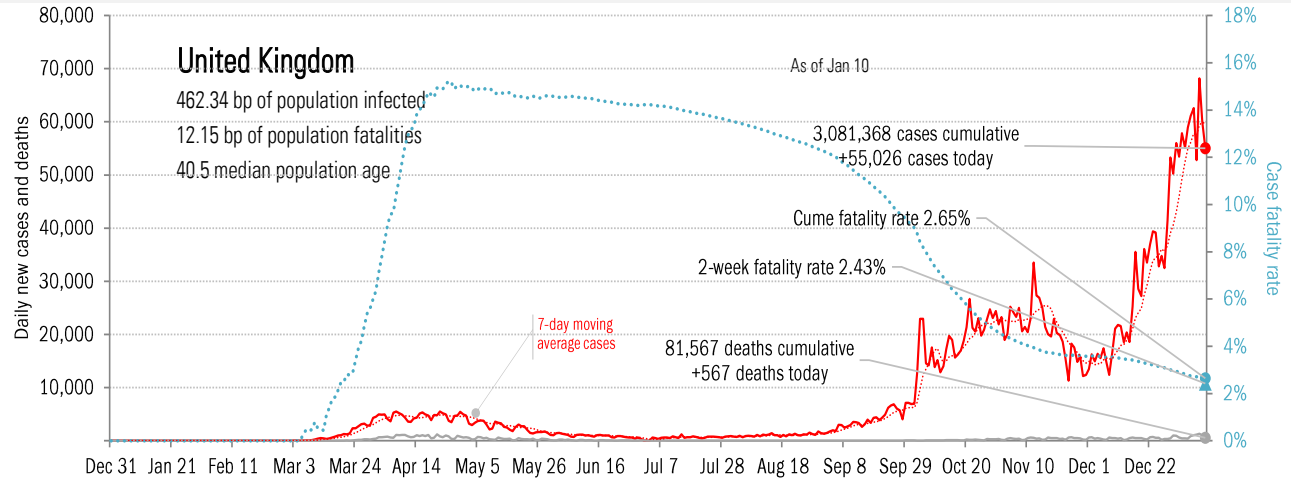
Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

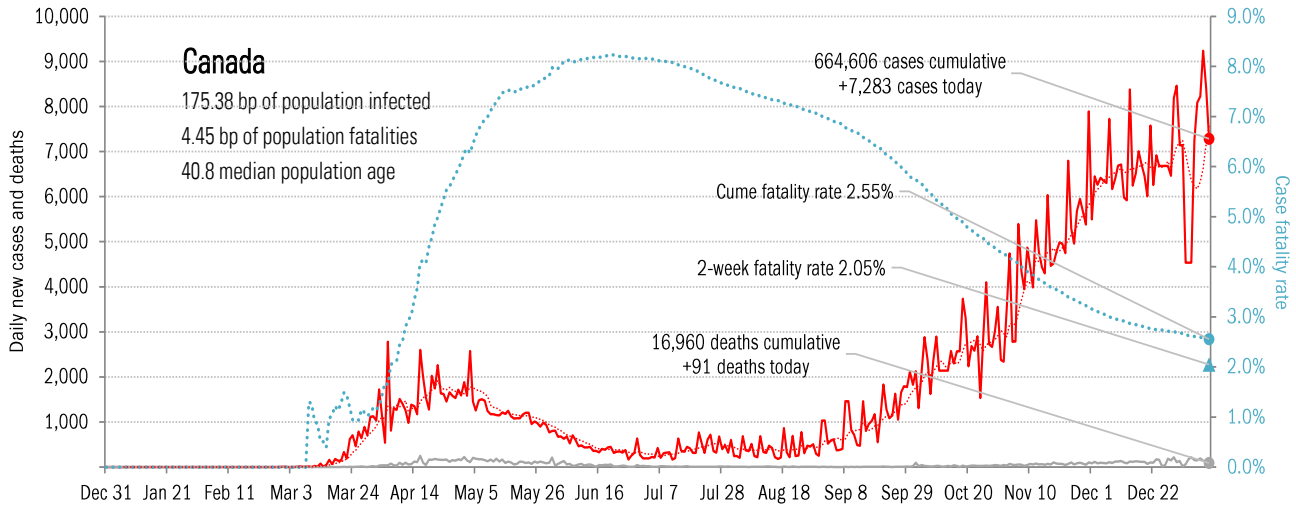
Impact in the largest economies

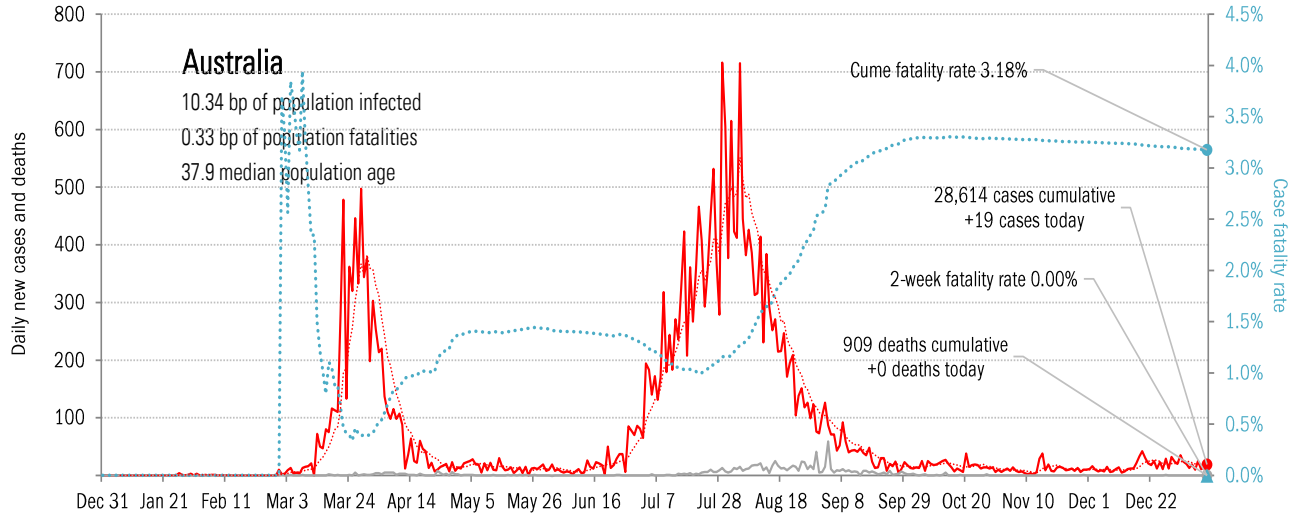


Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

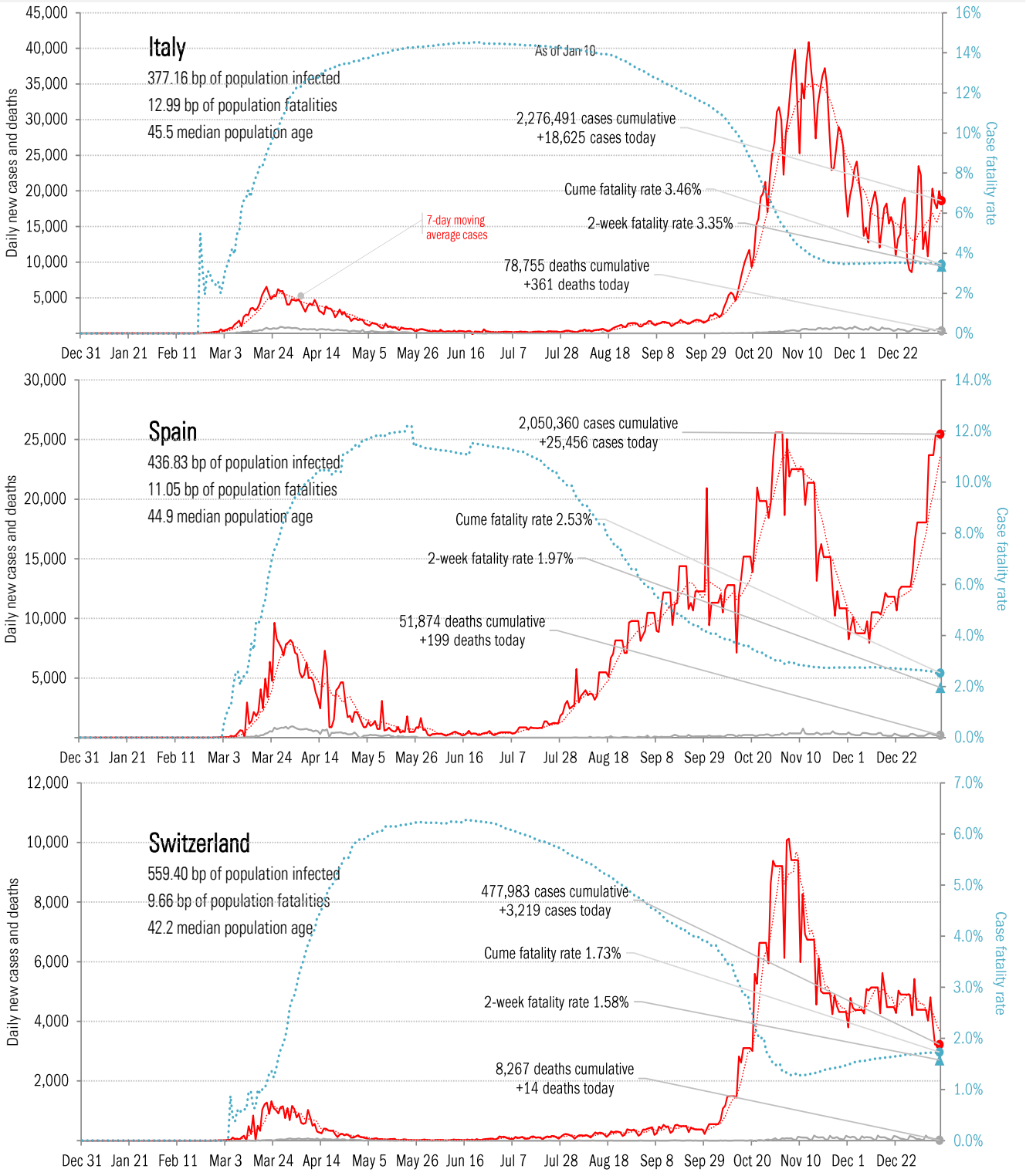






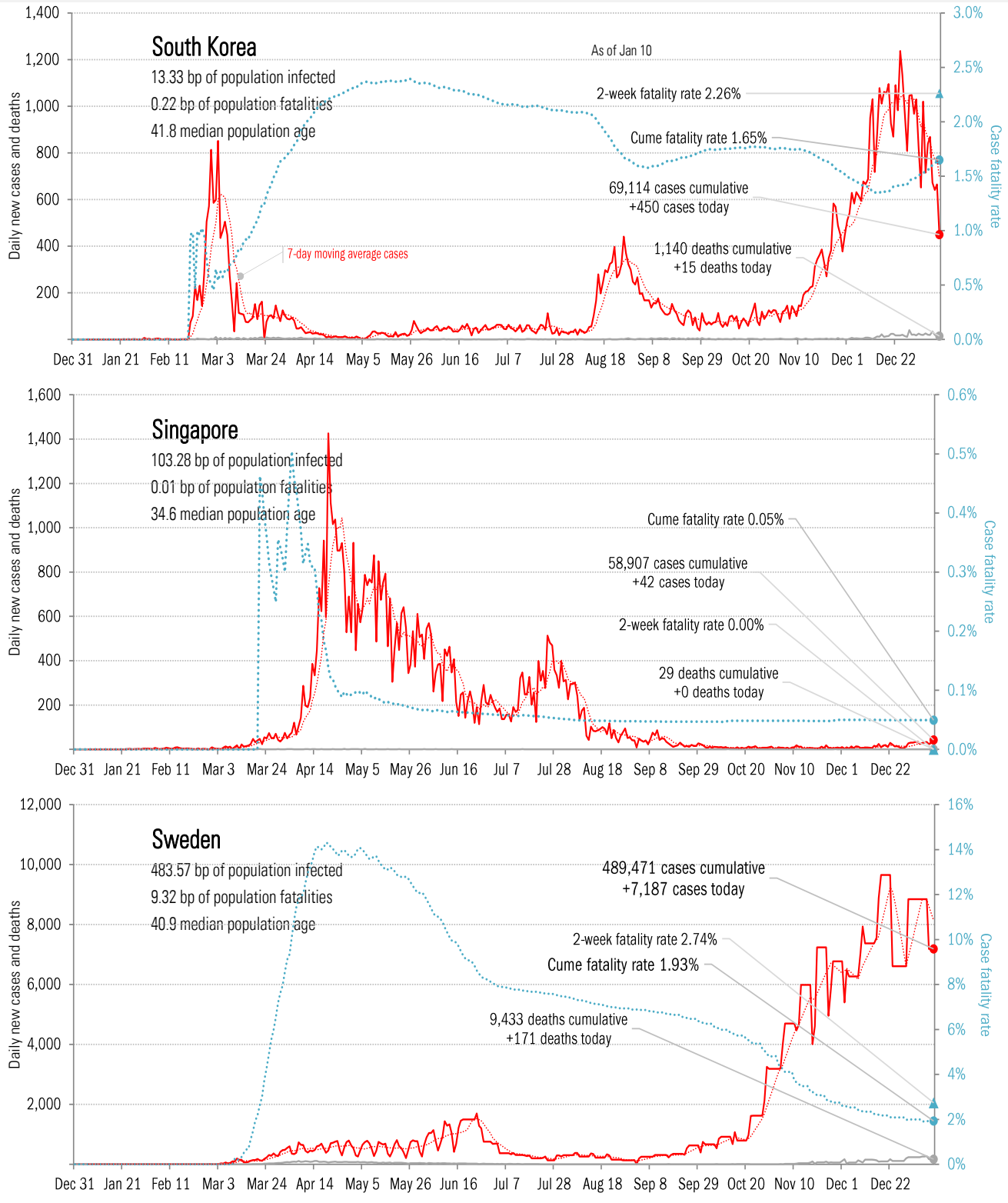
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



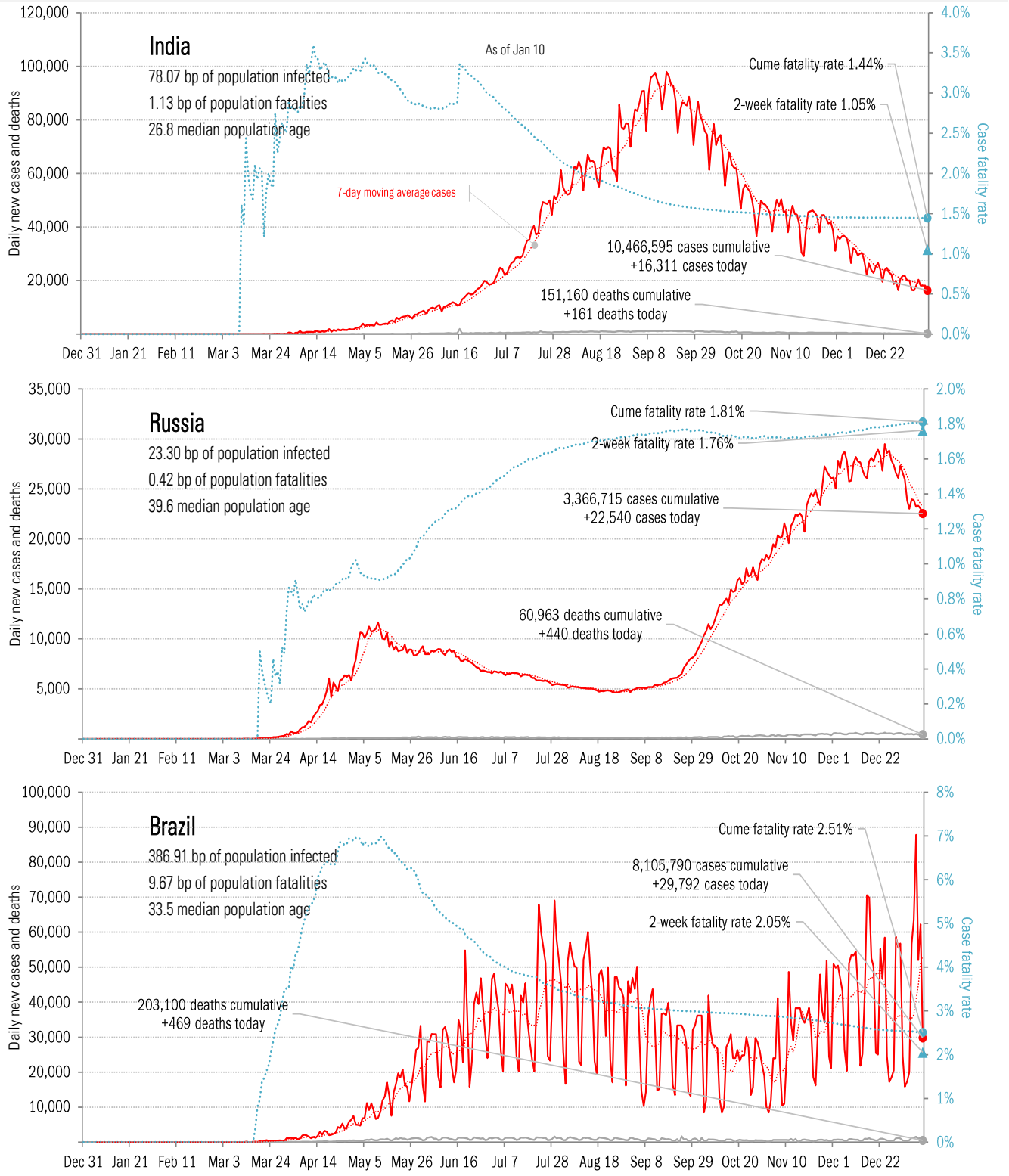
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



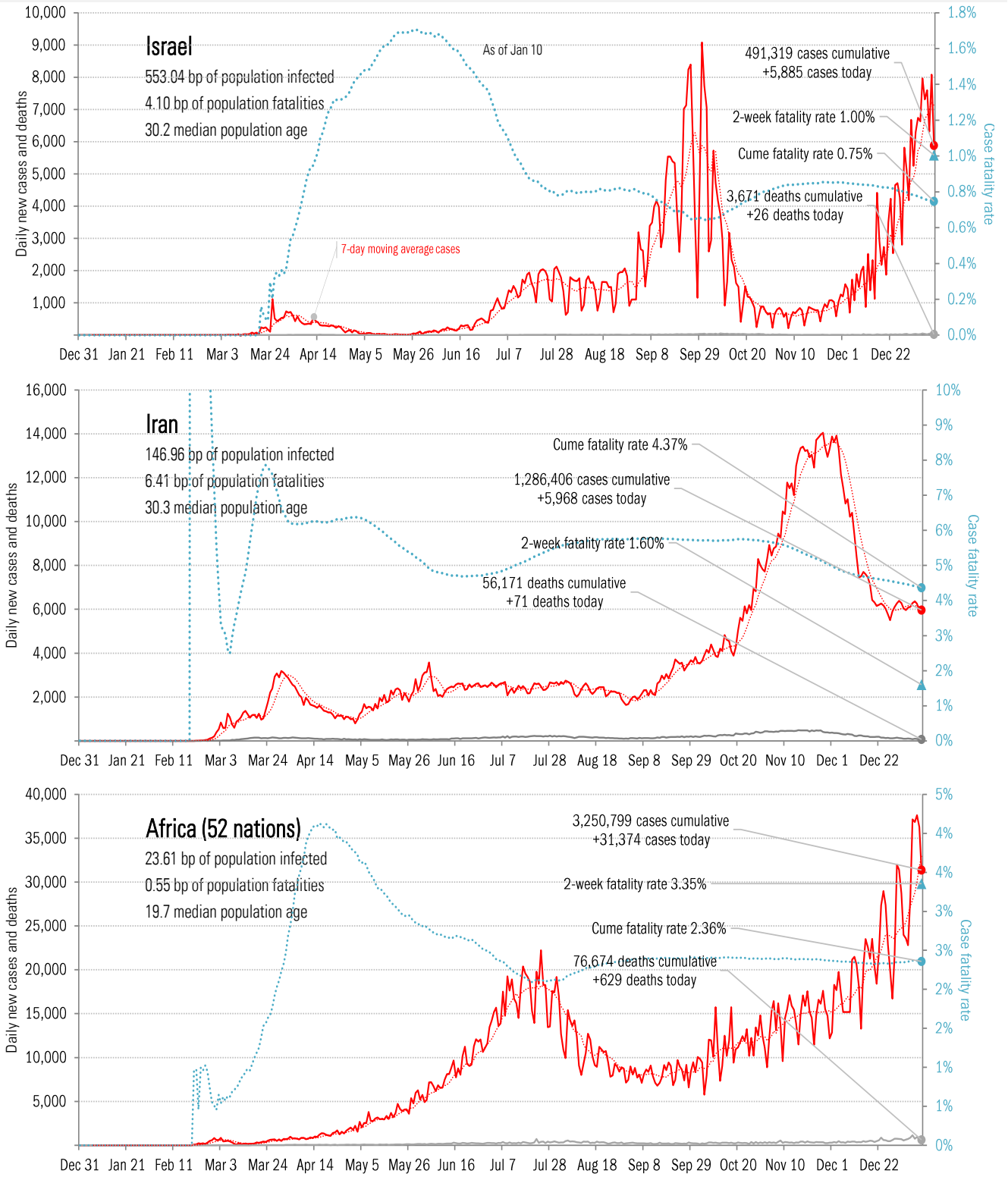
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations