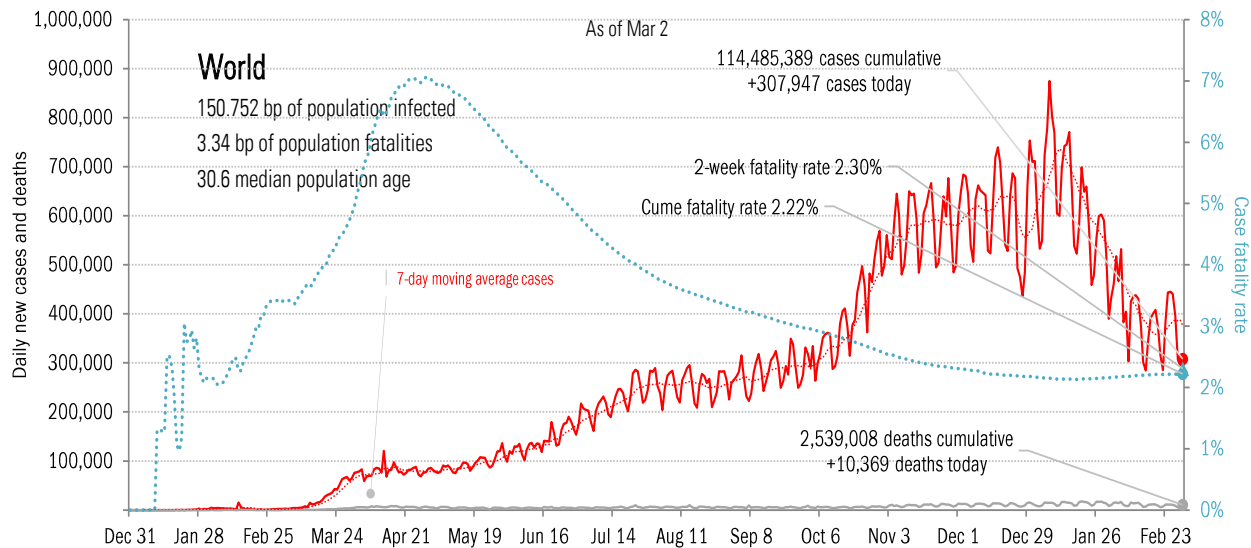
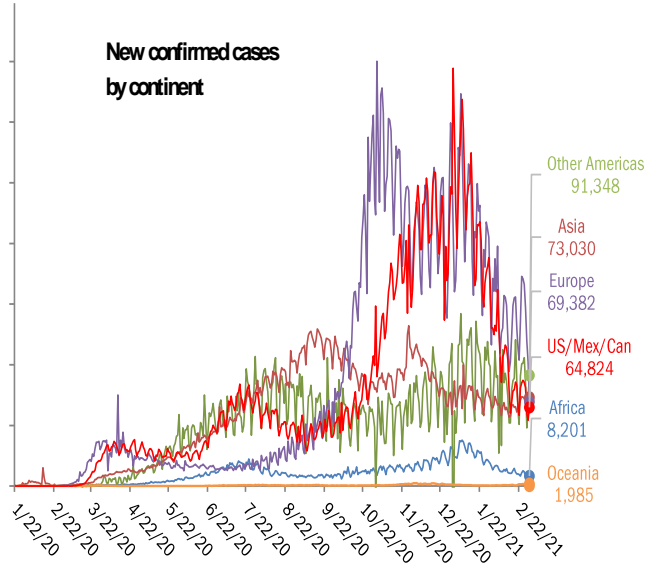


## Data Insights: Covid-2019 Monitor

Wednesday, March 3, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
Brazil	+59,925	United States	+1,885
United States	+54,248	Brazil	+1,641
France	+22,872	Mexico	+1,035
Italy	+17,063	Russia	+433
India	+14,989	France	+418
Czechia	+12,191	Germany	+412
Turkey	+11,837	Peru	+400
Sweden	+11,804	Italy	+343
Russia	+10,441	United Kingdom	+343
Iran	+8,495	Czechia	+232
<b>+223,865</b>		<b>+7,142</b>	
World	+307,947	World	+10,369
Top ten	73%	Top ten	69%



Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

#### For more information contact us:

Donald Luskin: 312 273 6766 [don@trendmacro.com](mailto:don@trendmacro.com)

Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

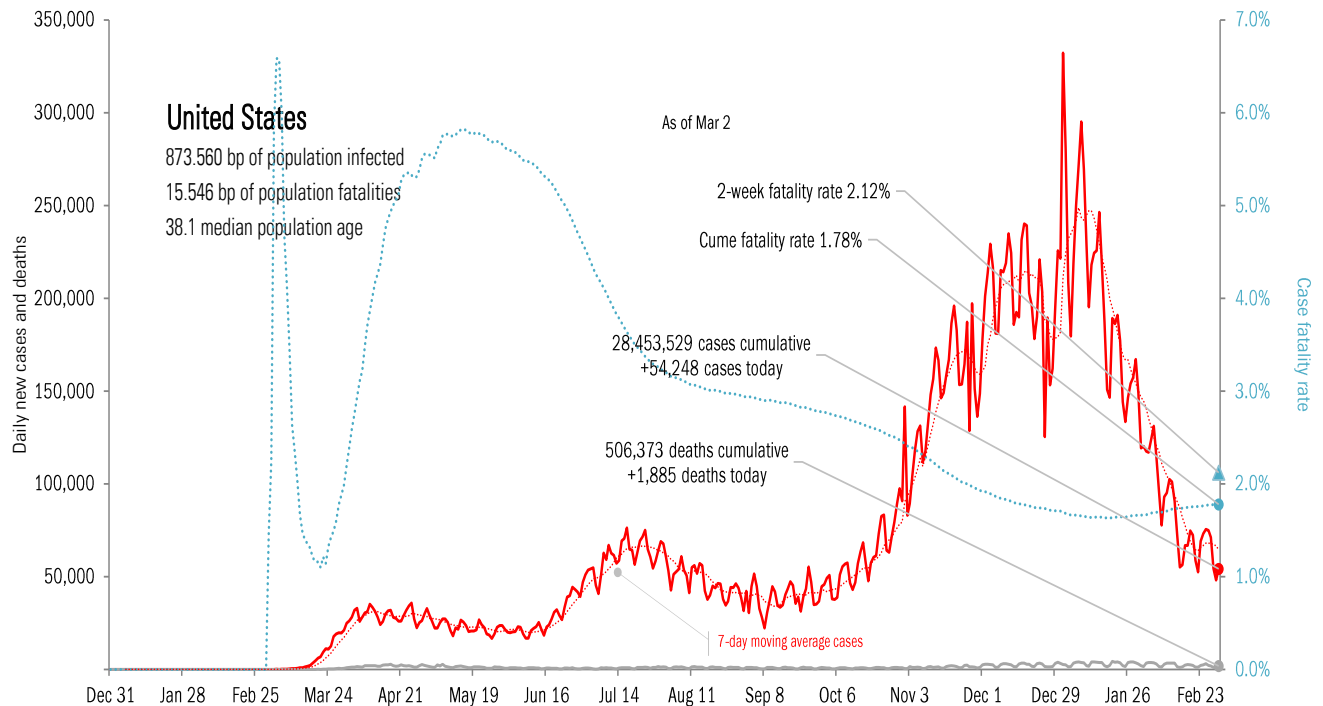
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+7,747		CA	+303		MI	+66		CA	3,481,611		CA	52,497		NY	89,995		R	88%	MS	86%
FL	+7,047		TX	+271		NY	+62		TX	2,655,592		TX	43,266		FL	80,972		DC	78%	DC	84%
NY	+5,800		VA	+160		NJ	+50		FL	1,882,865		NY	38,660		NJ	63,917		MA	78%	AL	80%
NJ	+3,289		FL	+140		NC	+34		NY	1,642,480		FL	31,696		AZ	57,591		FL	77%	TX	79%
GA	+3,147		GA	+104		TX	+33		IL	1,189,416		PA	24,100		GA	56,251		MD	76%	GA	79%
PA	+2,564		NY	+83		VA	+24		GA	1,011,807		NJ	23,321		CH	50,503		SC	75%	MO	79%
CA	+2,533		AZ	+81		MT	+15		CH	970,583		IL	22,803		AL	45,699		GA	75%	DE	78%
CH	+1,736		PA	+74		MN	+13		PA	935,834		GA	17,480		IN	42,862		PA	75%	OK	78%
MI	+1,642		AL	+60		NM	+13		NC	863,409		CH	17,346		MD	35,152		CT	74%	FL	77%
IL	+1,577		OK	+56		IA	+12		AZ	818,670		MI	16,544		WI	26,222		MO	74%	RI	77%
+37,082			+1,332			+322			15,452,267			287,713			549,164						
All states	+54,248			+1,885			-350		All states	28,453,529			506,373			870,901		All states	69%		68%
Top ten	68%			71%			-92%		Top ten	54%			57%			63%		Median	67%		66%

Some states not reporting

## Five most improved US states

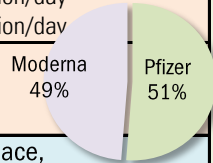
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NC	-2,383	VA	-71	CH	-82	TX	+12,369
CT	-2,178	CH	-49	IL	-80	MS	+4,725
MA	-1,094	CT	-22	CO	-55	CH	+3,419
CA	-983	SC	-18	MD	-44	PA	+2,333
CO	-760	FL	-10	ID	-41	NM	+1,195



Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
102.35 million doses distributed	+5.95 million/day	United States 7.8%
78.63 million doses administered	+1.73 million/day	United Kingdom 1.2%
51.76 million persons with one shot	+1.02 million/day	France 2.4%
26.16 million persons with two shots	+0.70 million/day	Spain 2.7%
7.18 million shots long-term care residents/staff	+0.02 million/day	Germany 2.6%
<b>76.8% of distributed doses administered</b>		Italy 2.4%
<b>15.6% of US pop 1 shot</b>	<b>7.9% 2 shots</b>	Australia 0.7%
<b>100% of LTC 1 shot</b>	<b>55.5% 2 shots</b>	Israel 40.5%
		Canada 1.5%
		Japan 2.4%
		China 0.4%
		India 0.2%
		Brazil 1.0%



At today's dosing pace, every American will have two in **334 days** by Jan 29, 2022

US will achieve herd immunity in **149 days** by Jul 29, 2021

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

AK
51.0%
23.1%
13.8%

ME
33.6%
17.0%
8.1%

WI
31.2%
16.9%
9.0%

VT	NH
36.4%	32.2%
17.5%	17.8%
9.4%	7.4%

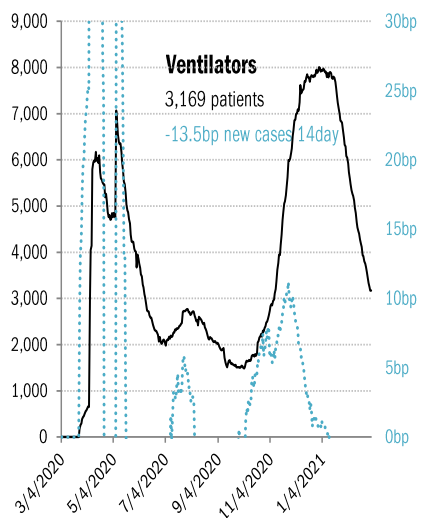
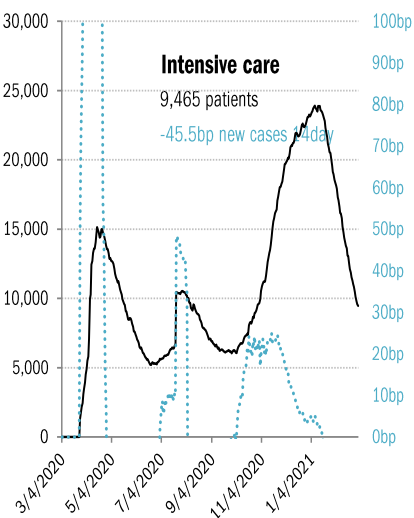
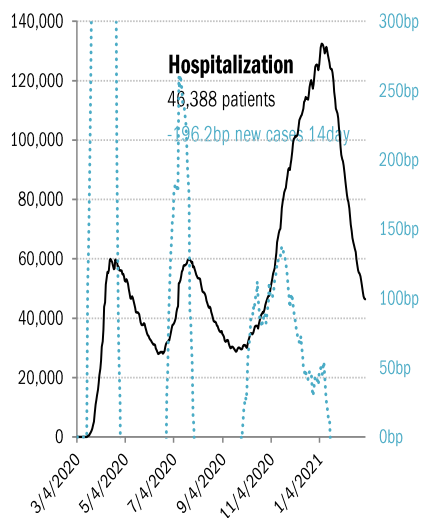
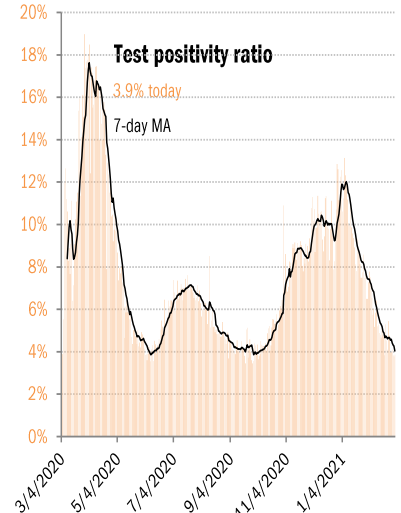
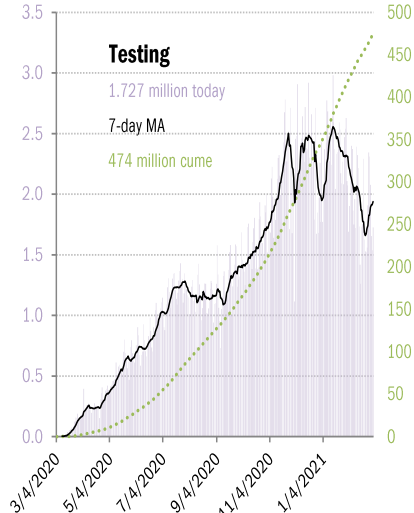
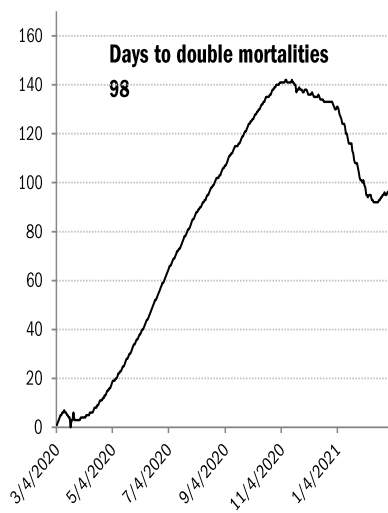
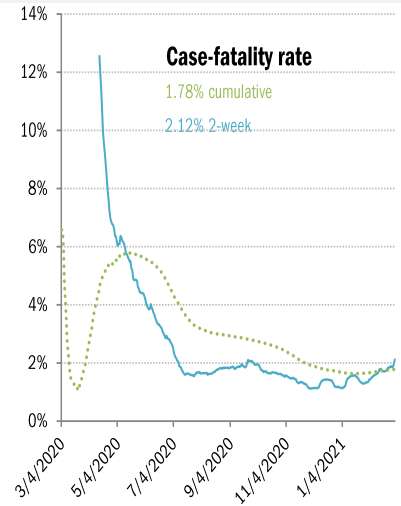
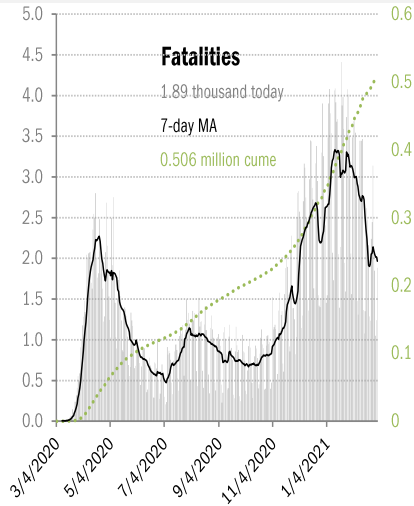
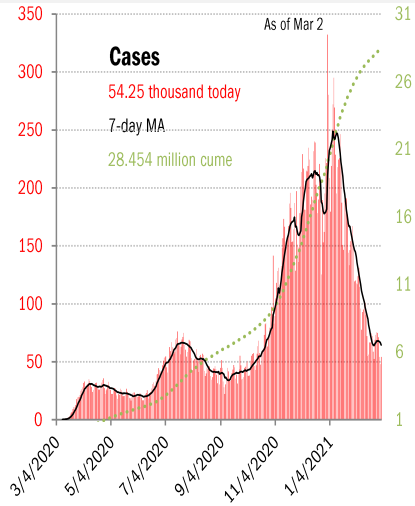
WA	ID	MT	ND	MN	IL	MI	NY	MA		
32.1%	28.9%	32.0%	35.0%	29.3%	29.4%	31.1%	30.8%	30.7%		
15.6%	14.9%	17.9%	19.6%	17.2%	16.4%	15.4%	14.8%	18.5%		
8.4%	7.6%	8.9%	10.4%	8.4%	6.8%	8.7%	7.8%	7.8%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
30.7%	28.7%	36.5%	38.6%	29.8%	30.5%	30.6%	31.4%	29.5%	36.0%	33.1%
15.6%	15.0%	17.3%	21.1%	17.5%	15.2%	15.0%	15.6%	17.0%	20.2%	18.6%
8.8%	7.9%	9.4%	10.8%	6.0%	8.7%	8.1%	6.9%	8.5%	8.6%	7.5%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
31.7%	27.4%	30.3%	31.2%	27.9%	31.8%	36.0%	32.0%	32.2%	33.3%	
16.5%	12.7%	16.2%	16.4%	14.2%	16.2%	17.8%	16.4%	15.3%	15.0%	
7.3%	6.0%	8.4%	8.4%	7.3%	8.1%	11.6%	8.8%	8.5%	7.6%	
AZ	NM	KS	AR	TN	NC	SC	DC			
30.8%	38.2%	29.8%	31.9%	28.9%	28.9%	28.8%	42.1%			
17.4%	22.7%	15.2%	14.3%	13.4%	15.5%	14.8%	12.1%			
7.9%	12.1%	7.4%	7.8%	6.9%	8.4%	7.0%	5.9%			
OK	LA	MS	AL	GA						
35.6%	31.8%	30.2%	29.8%	28.9%						
17.9%	14.7%	14.4%	13.5%	12.0%						
10.2%	8.2%	7.5%	6.7%	7.0%						
HI	TX	FL	PR							
37.9%	28.4%	31.4%	33.1%							
17.8%	12.9%	14.8%	11.2%							
10.1%	6.8%	8.3%	6.2%							

As of Mar 2

Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

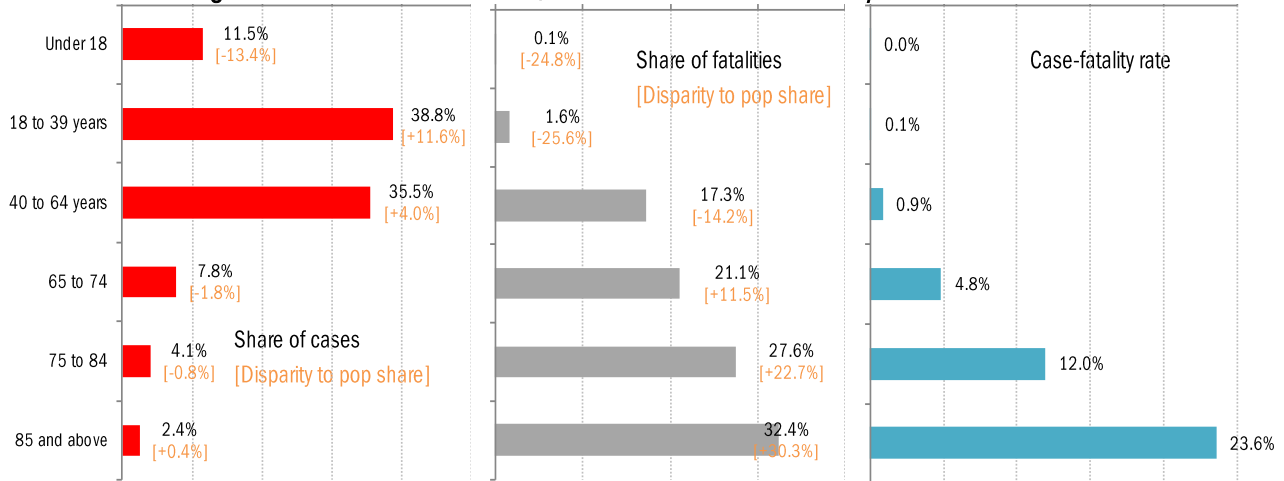
National and state-by-state data do not line up because of different sources



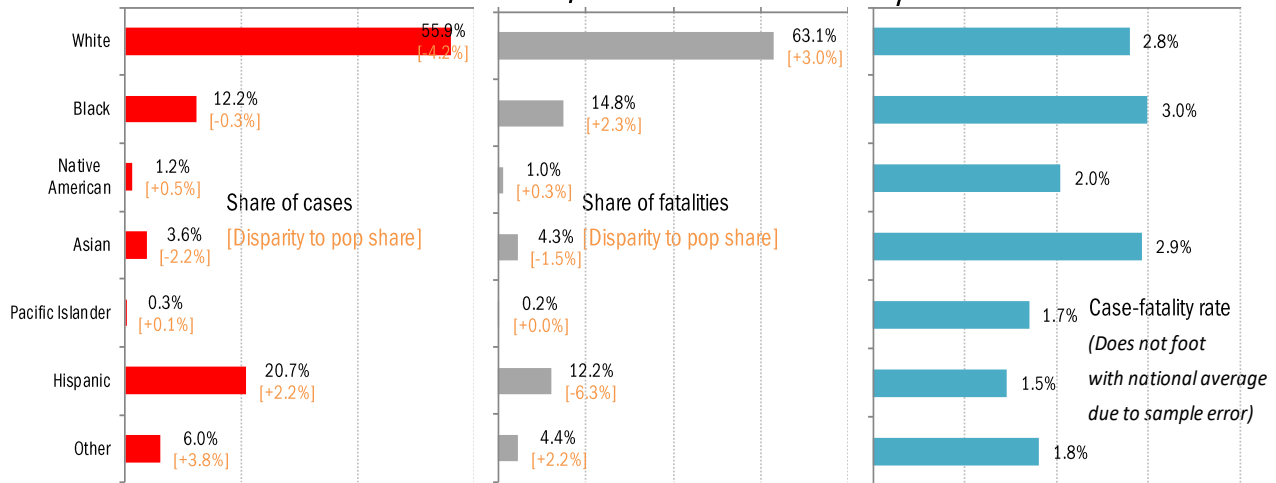
Source: [Covid Tracking Project](#), TrendMacro calculations

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

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

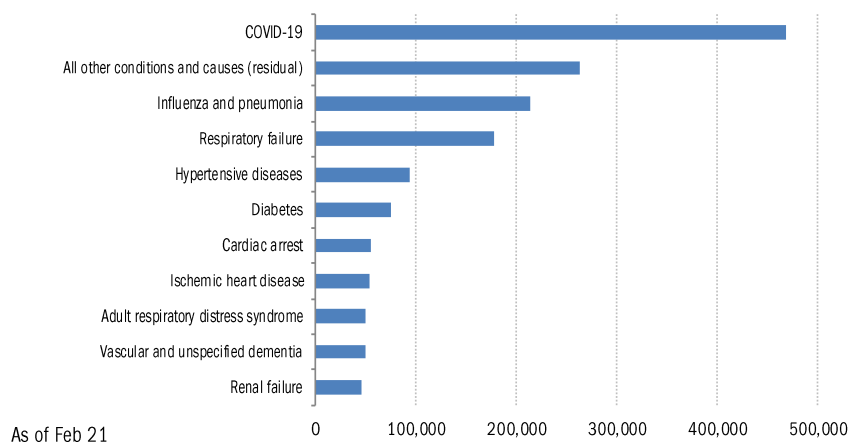


## Racial distribution of US cases, fatalities and case-fatality rates



## Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Executive Order Relating to the Opening of Texas in Response to the Covid-19 Disaster](#)

*Office of the Texas Governor*  
March 2, 2021

[Governor Abbott Lifts Mask Mandate, Opens Texas 100 Percent](#)

*Office of the Texas Governor*  
March 2, 2021

[Not-So-Frequent Flyers: Business Travel Misses Out on Recovery](#)

Alexandre Tanzi  
*Bloomberg*  
March 2, 2021

[California Teachers Union President Who Led School Closures Caught Dropping Daughter Off At Private School](#)

Mary Margaret Olohan  
*Daily Caller*  
March 1, 2021

[Can't Get a Covid Vaccine? In This County, Everybody is Eligible](#)

Simon Romero  
*New York Times*  
March 2, 2021

[Covid-19's 'Patient Zero': What Life Is Like for the New York Lawyer](#)

Leslie Brody  
*Wall Street Journal*  
March 2, 2021

[Germany loses Covid crown as vaccine campaign falters](#)

Guy Chazan  
*Financial Times*  
March 1, 2021

[Redemption shot: von der Leyen begins fightback on EU vaccine rollout](#)

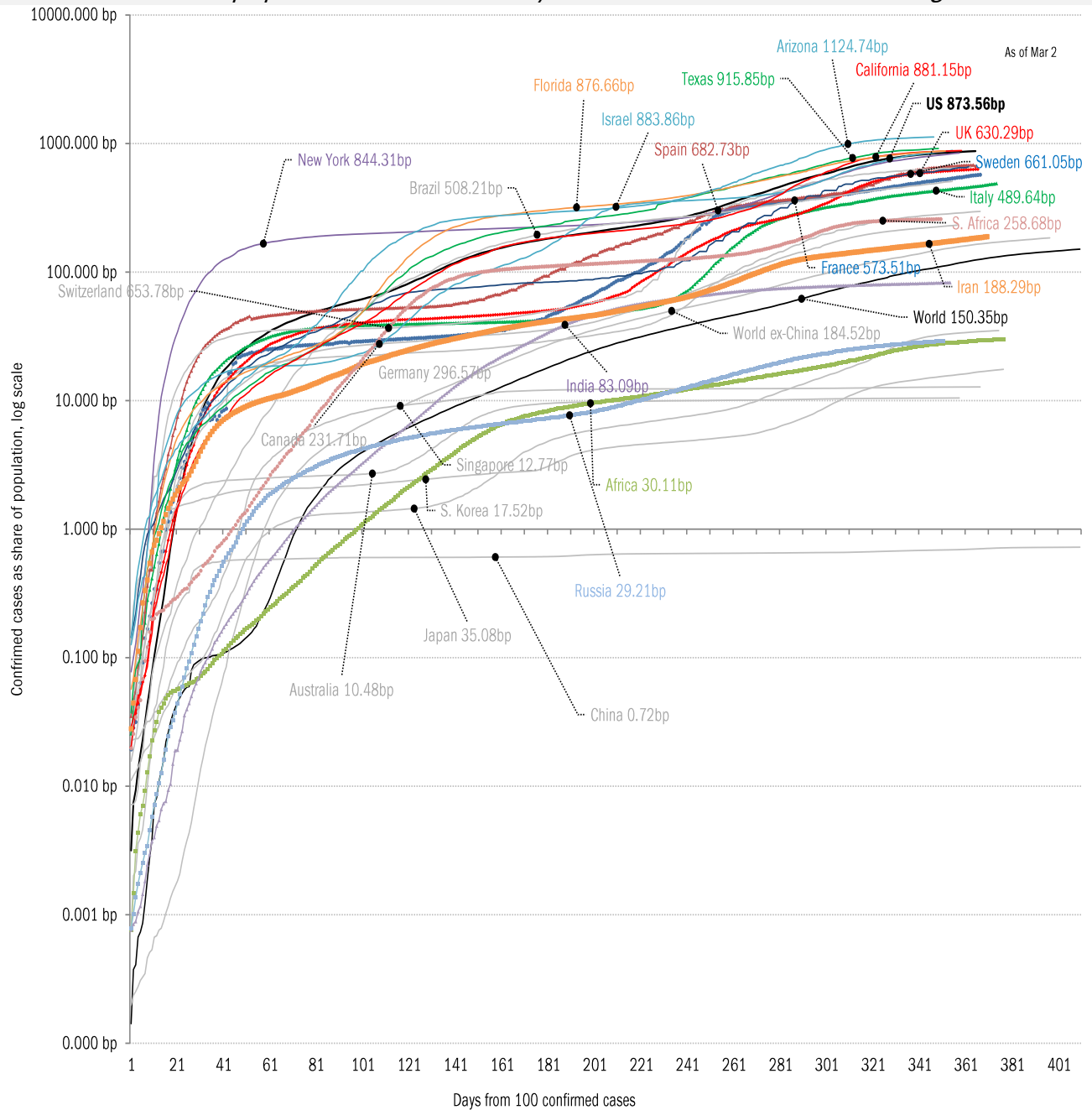
Sam Fleming, Michael Peel and Guy Chazan  
*Financial Times*  
March 1, 2021

## Meme of day



Source: Our beloved clients, and [Power Line blog "The Week in Pictures"](#)

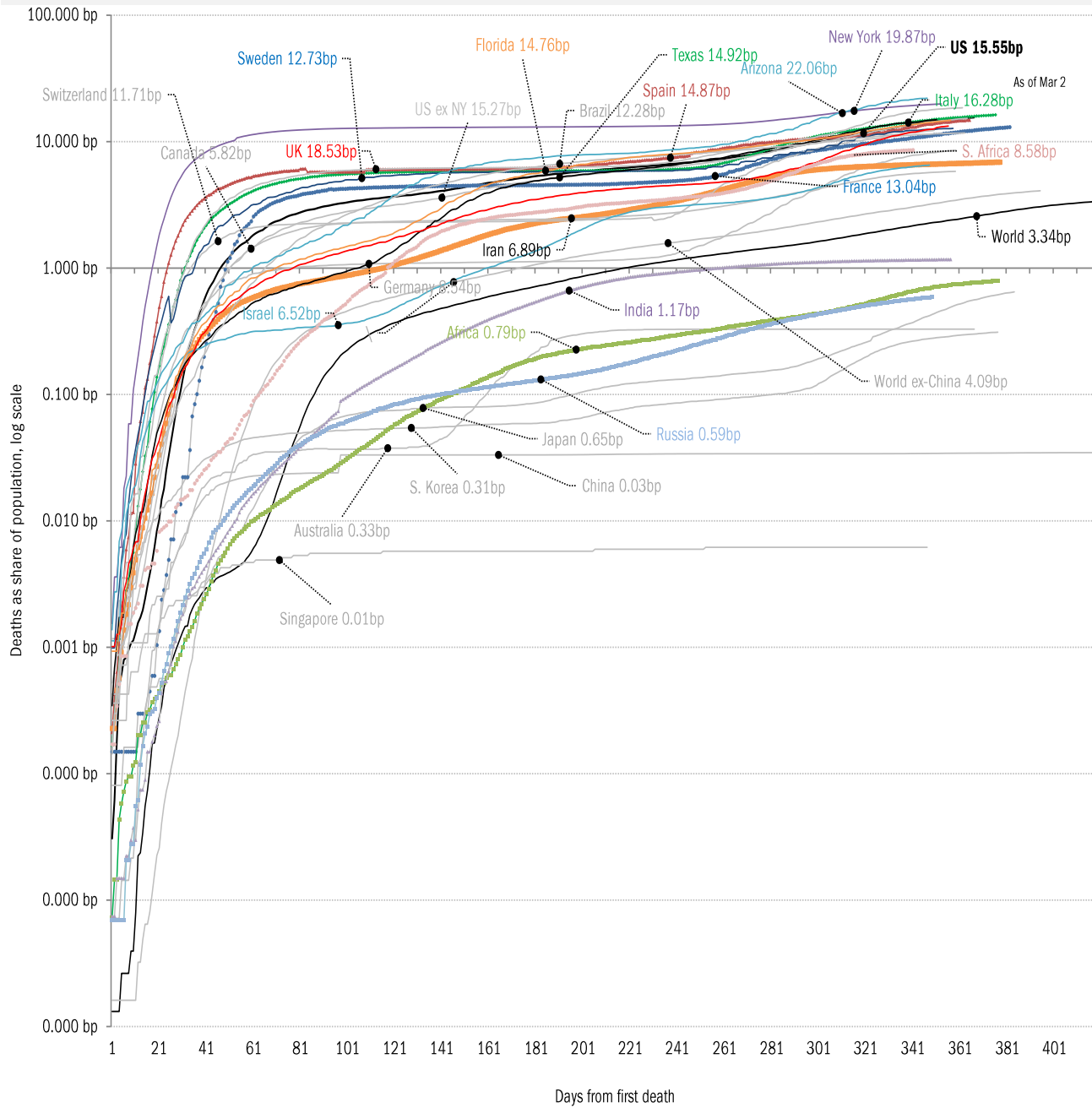
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



The coronavirus mortality accelerometer ... tracking the world's fatality curves  
*Share of deceased population from day of first fatality*



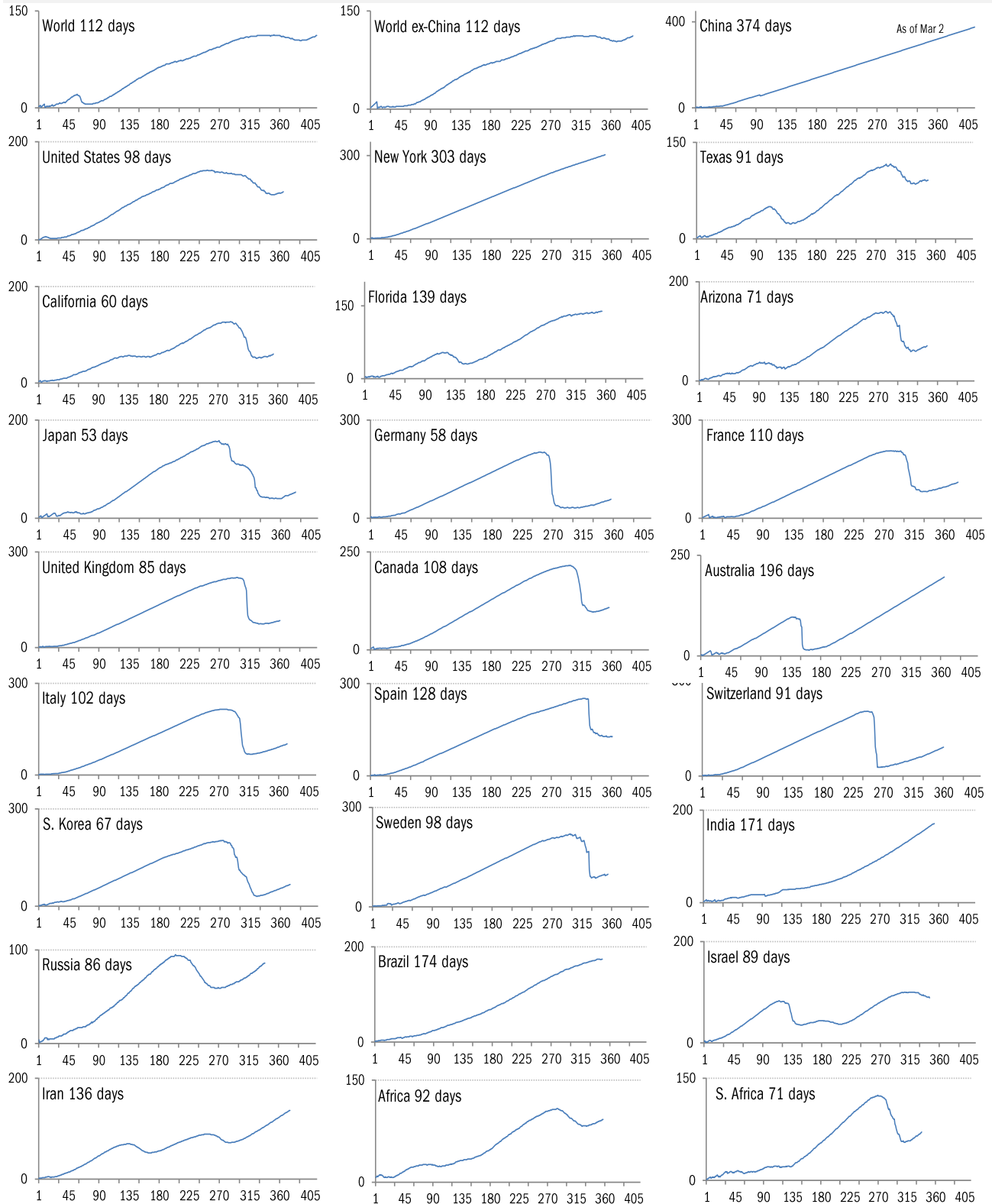
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations



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

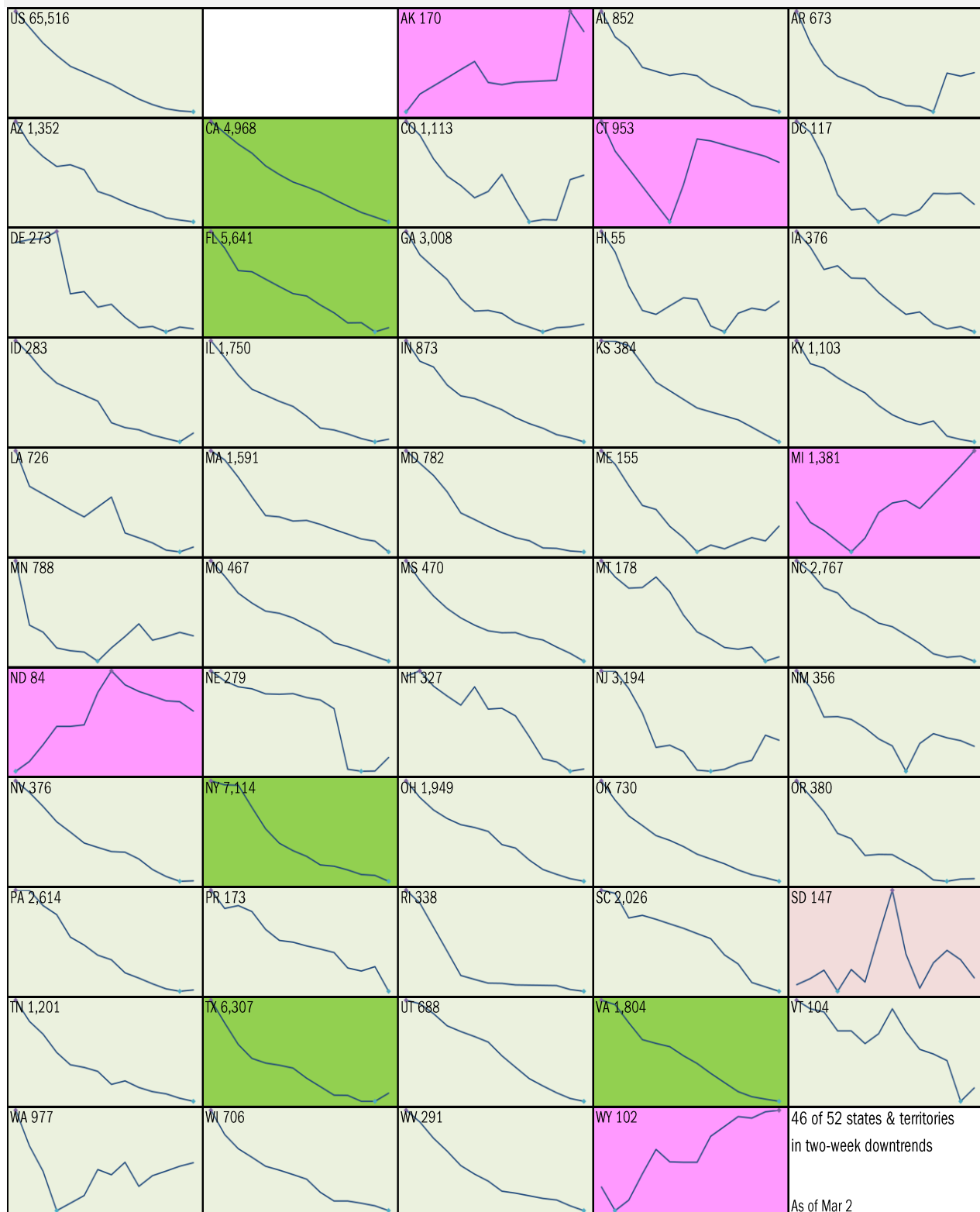
Vertical: days to double deaths Horizontal: days from first death

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

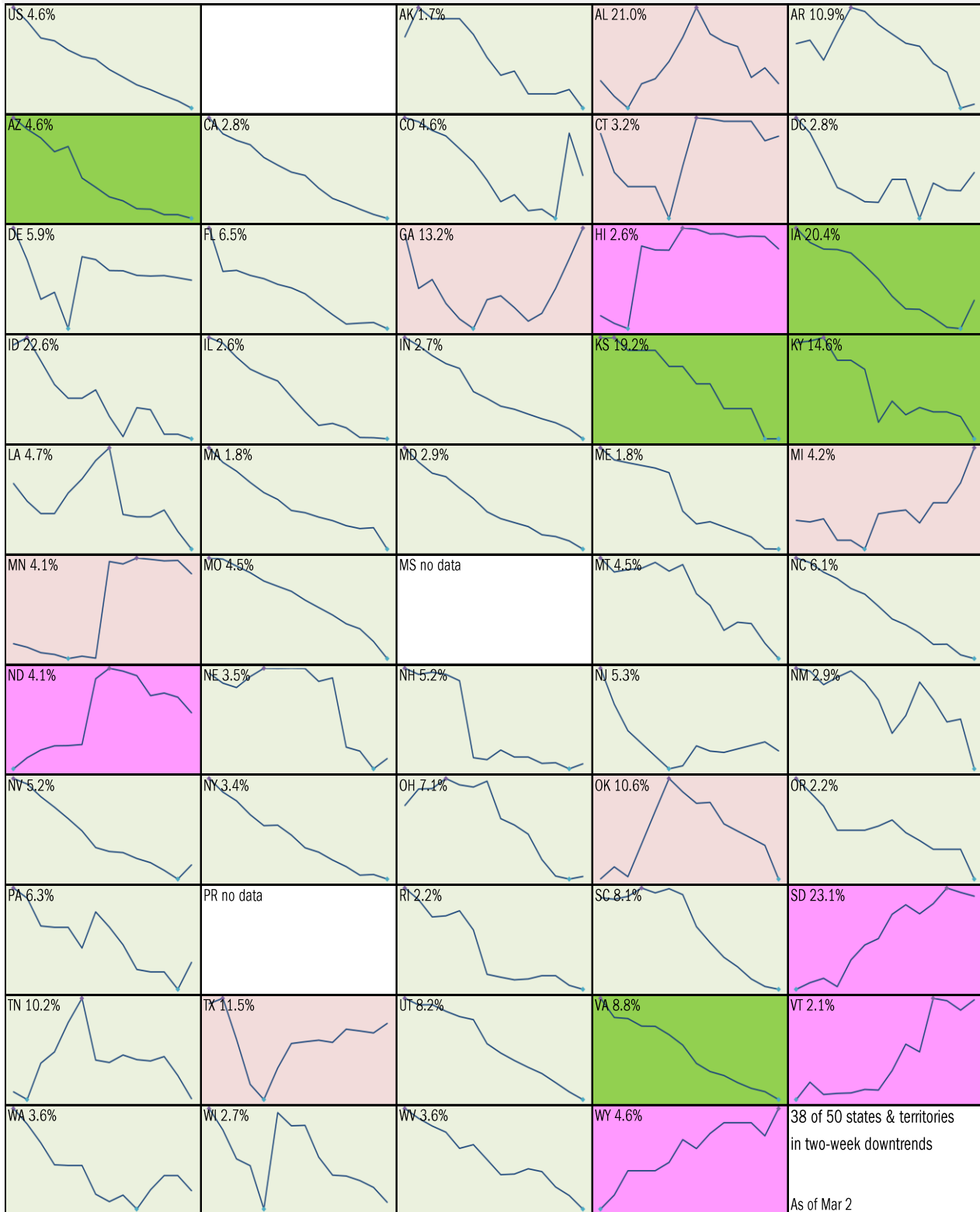


Source: [Covid Tracking Project](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day “downward trajectory” in pos tests

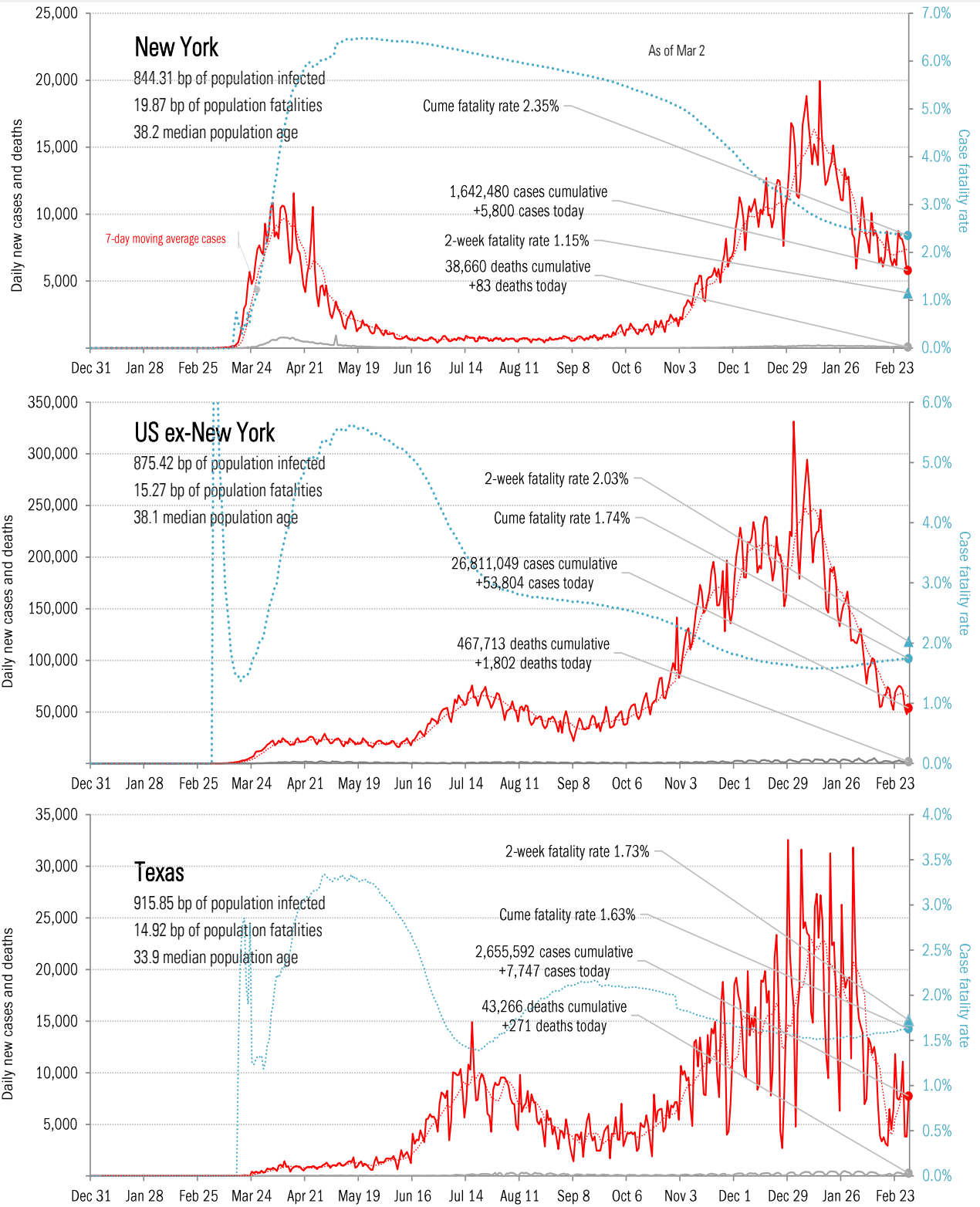
14-day moving average, last 14 days Most recent value displayed ● High ● Low

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



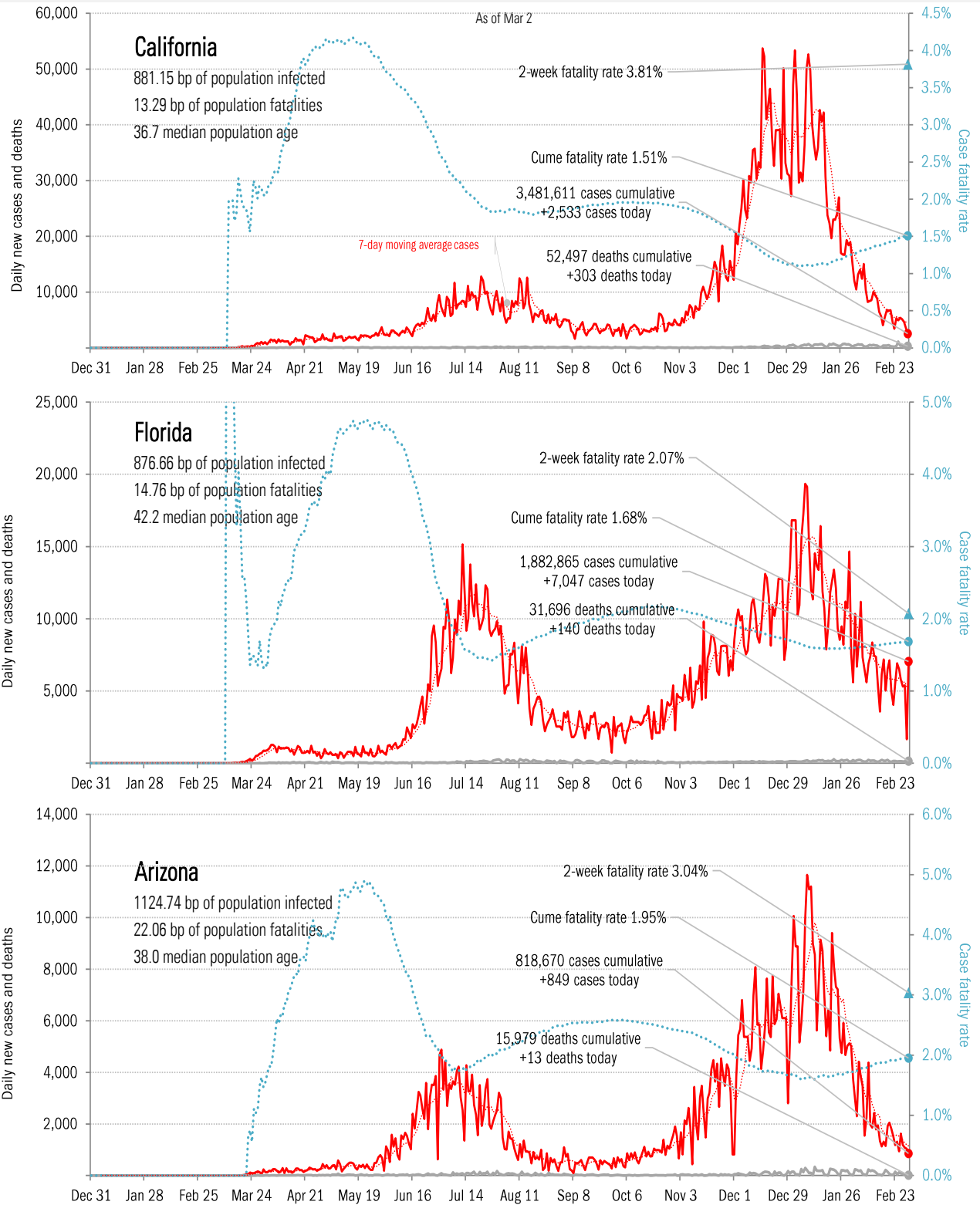
Source: [Covid Tracking Project](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



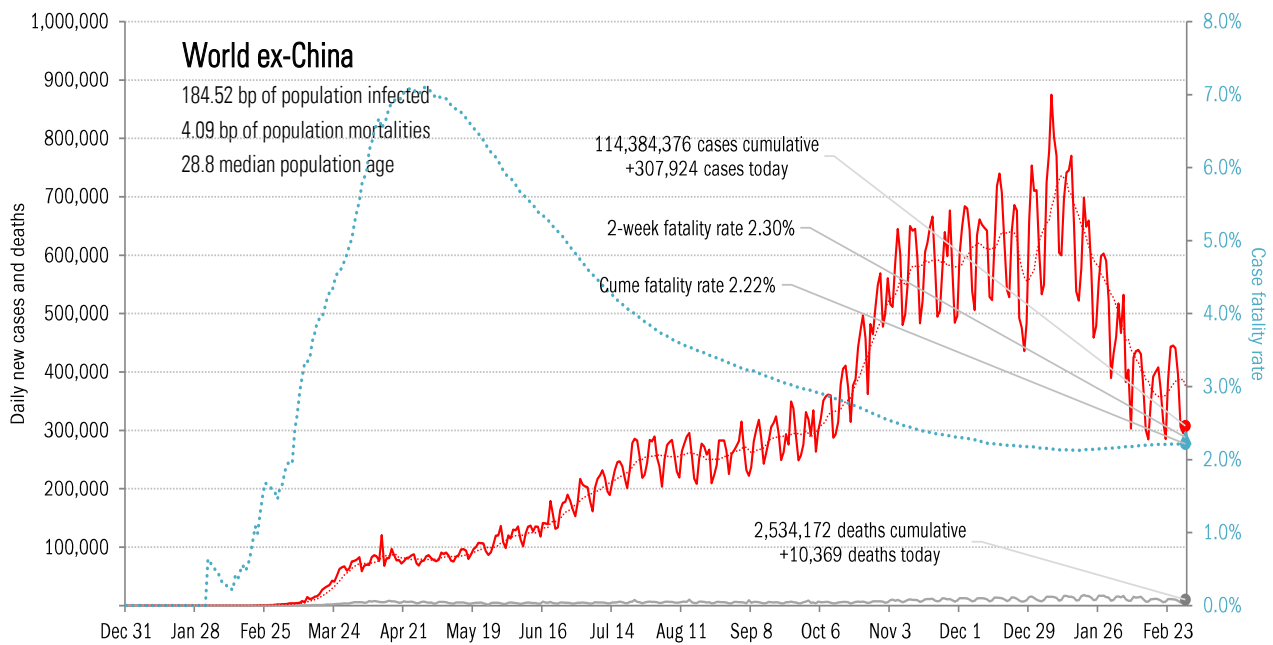
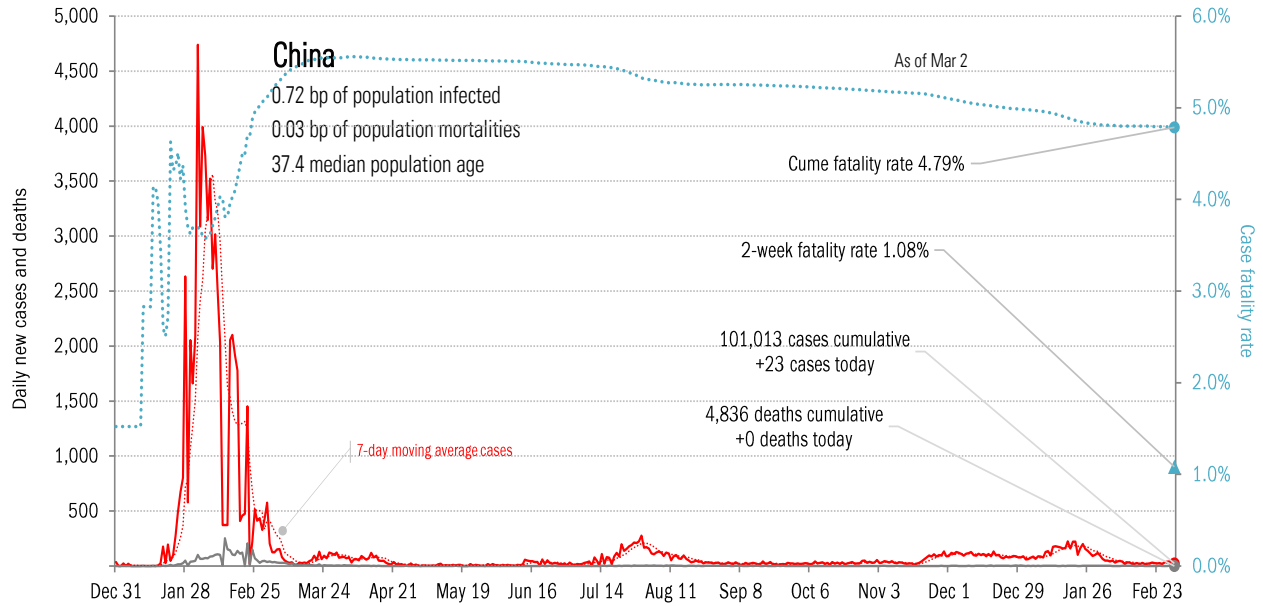
Source: [Covid Tracking Project](#), TrendMacro calculations

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



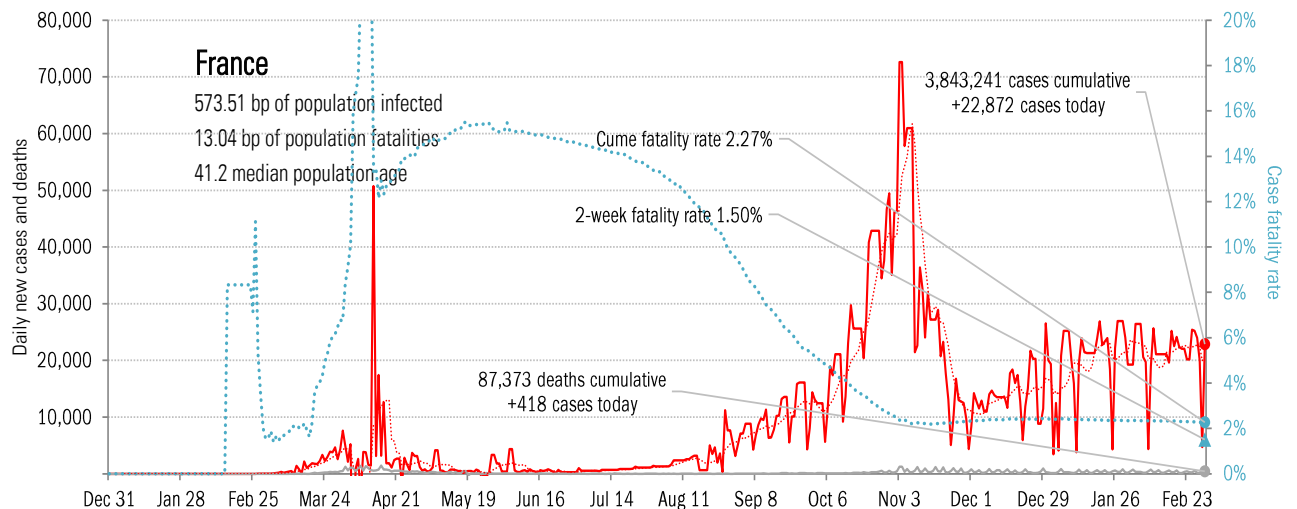
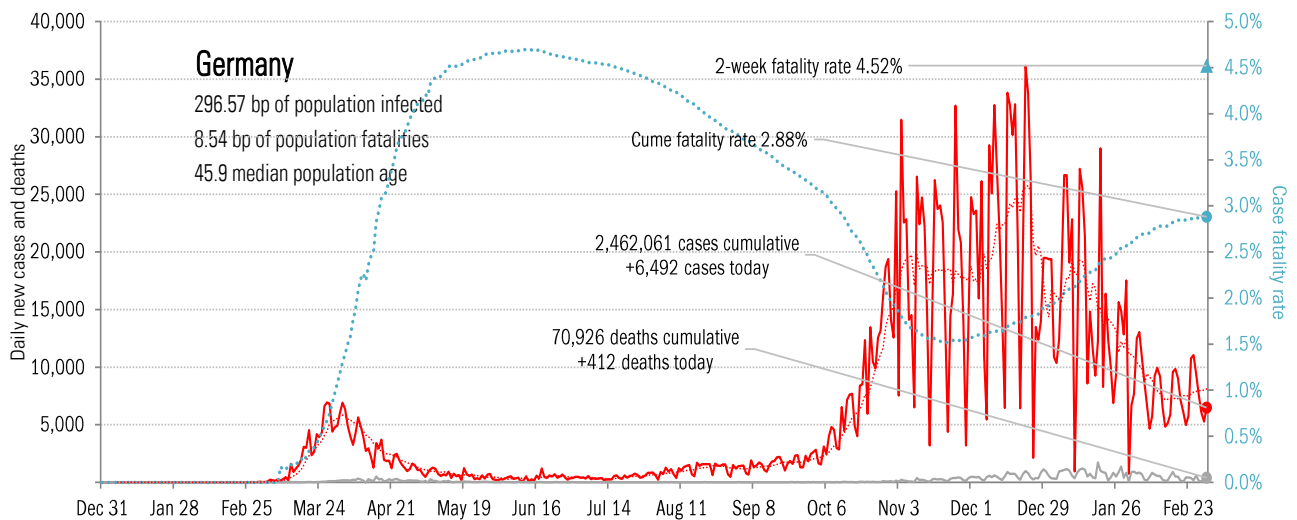
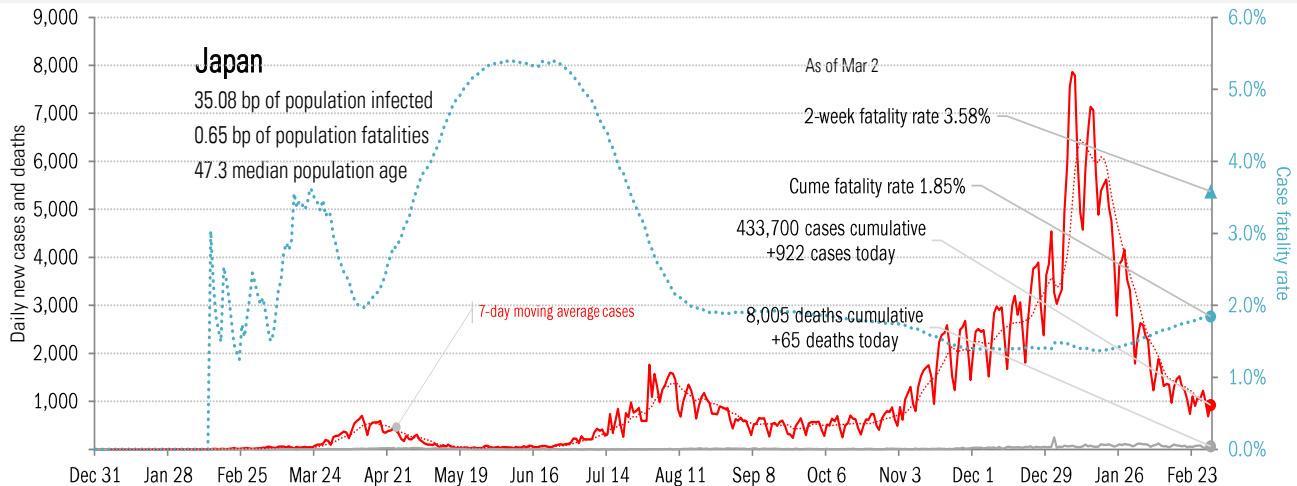
Source: [Covid Tracking Project](#), TrendMacro calculations

# Patient zero... and then everyone else



Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

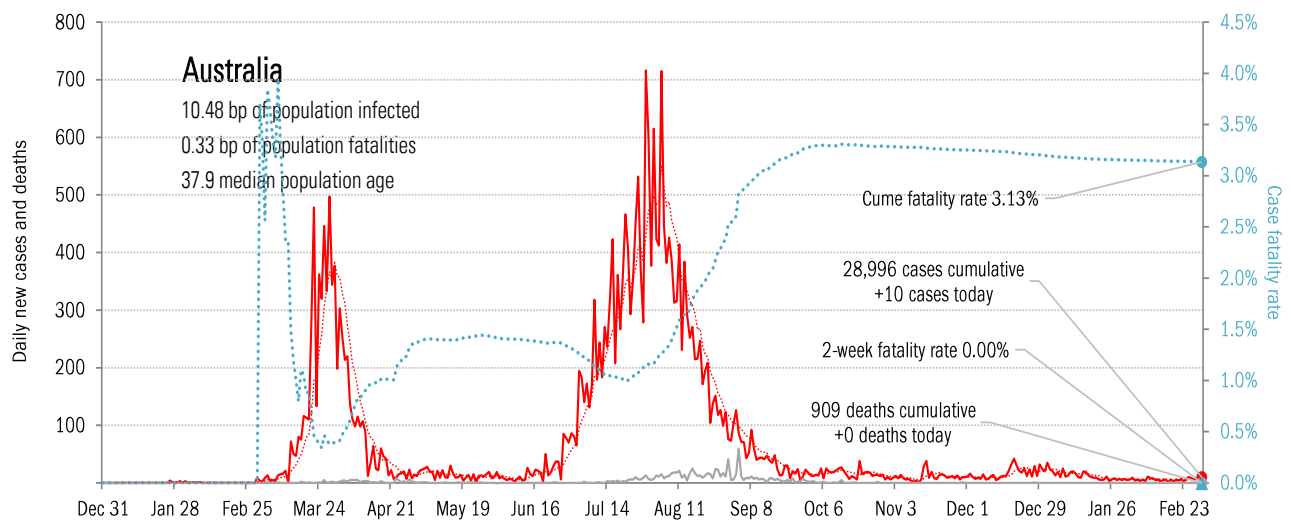
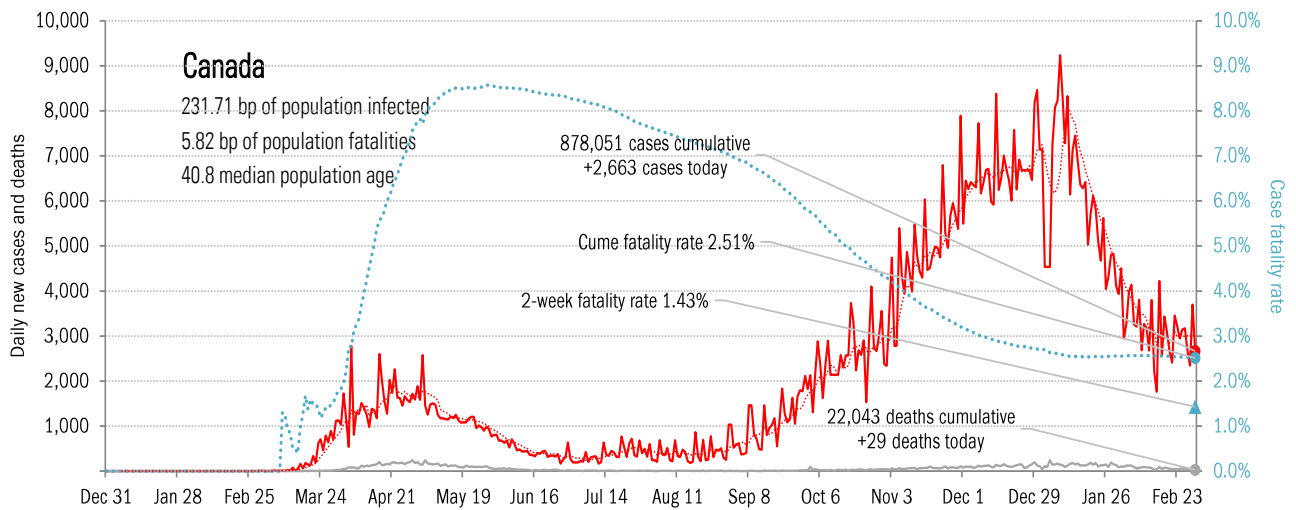
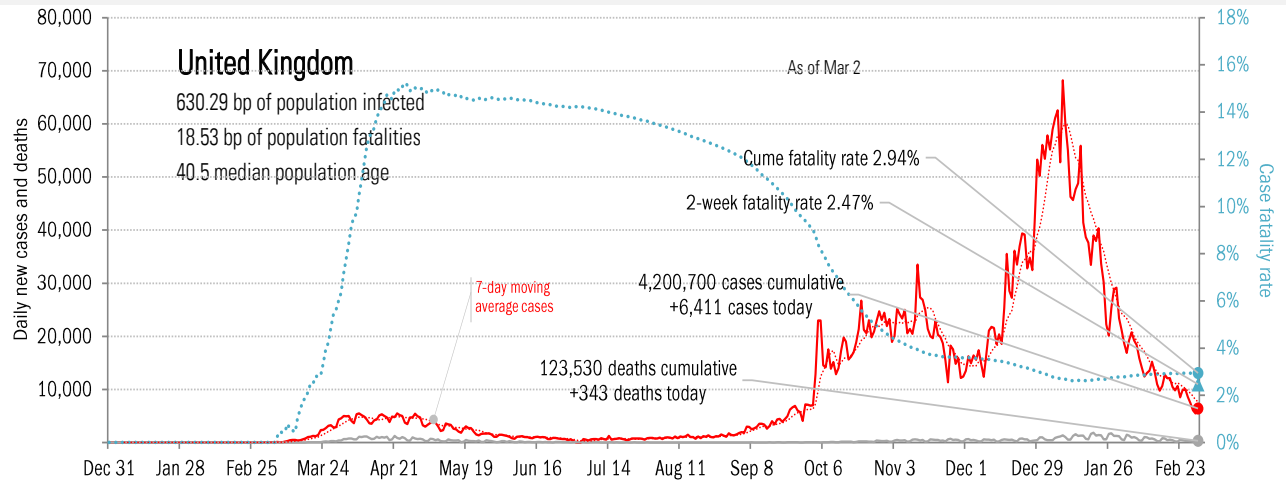
# Impact in the largest economies



Source: [Johns Hopkins](#), TrendMacro calculations

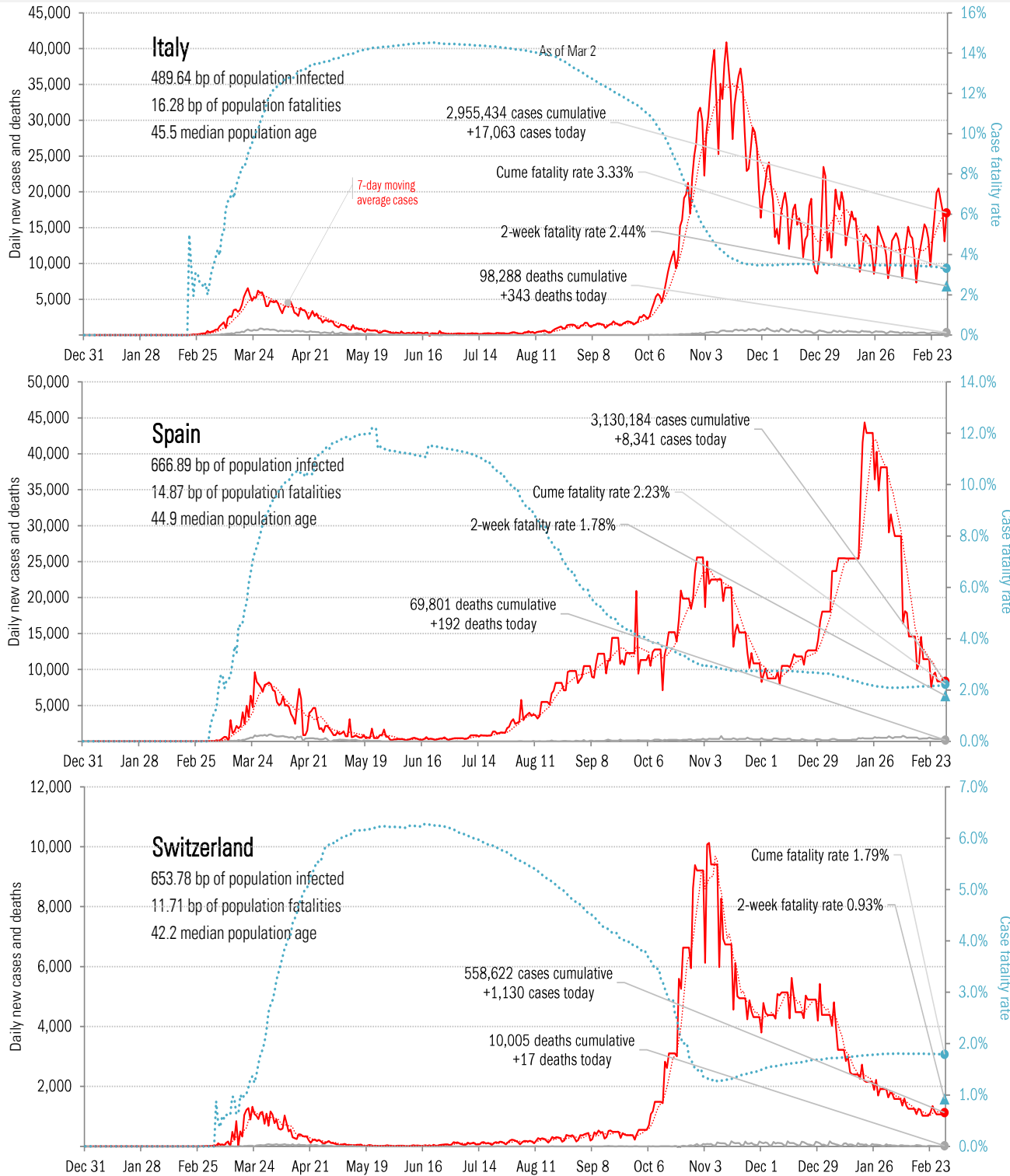


# Impact in The Anglosphere



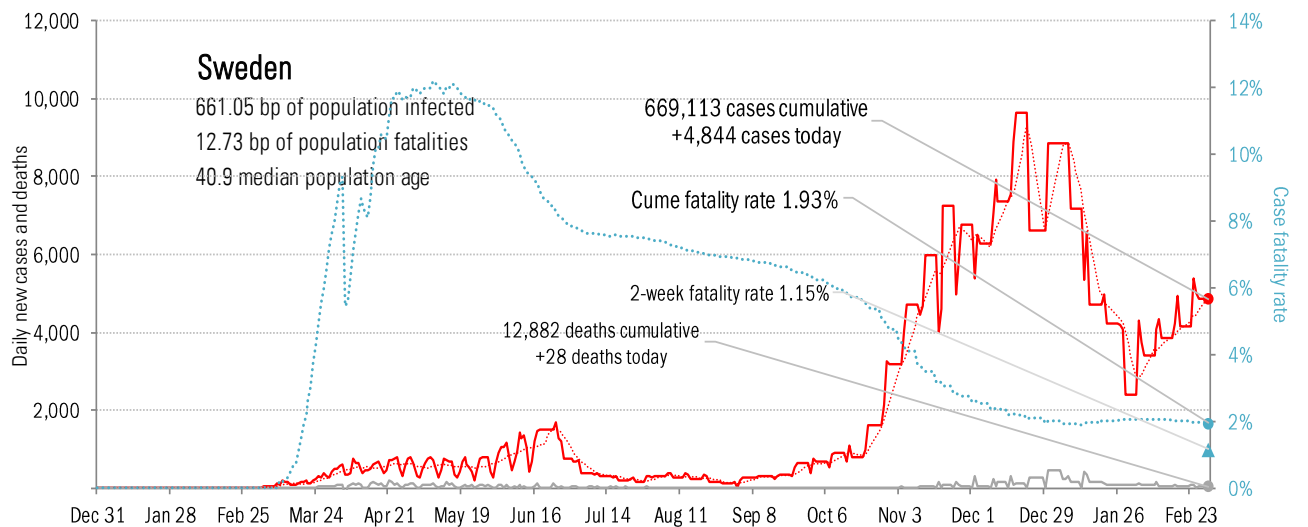
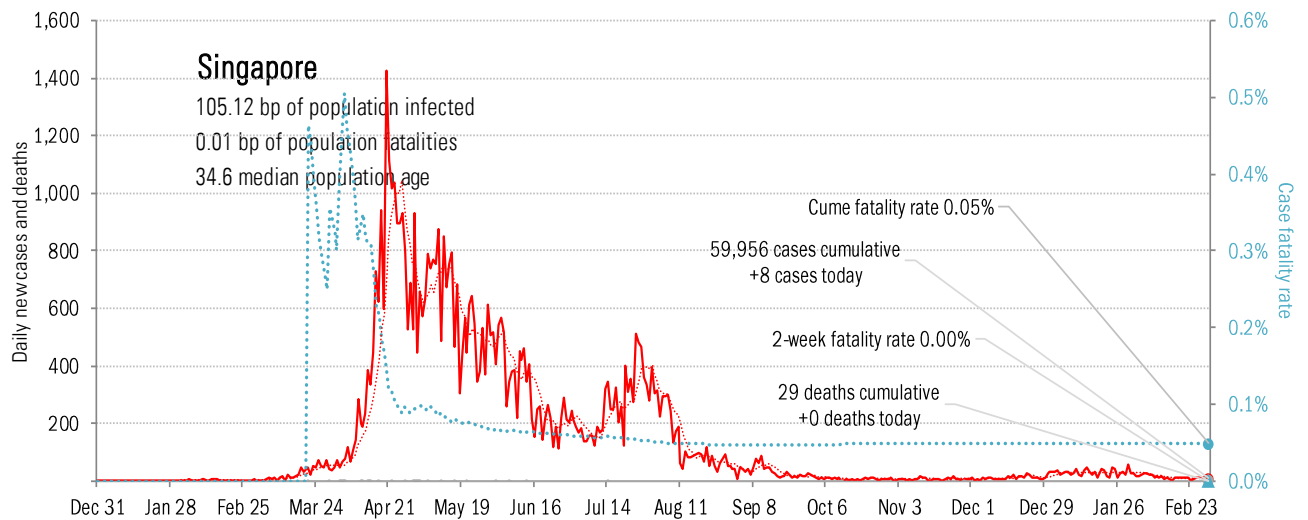
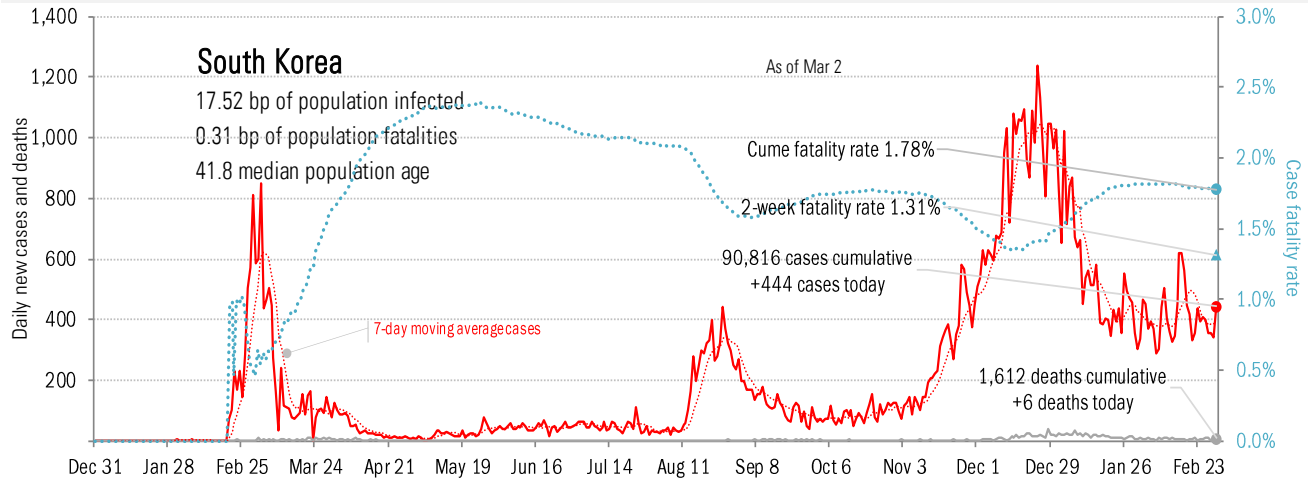
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



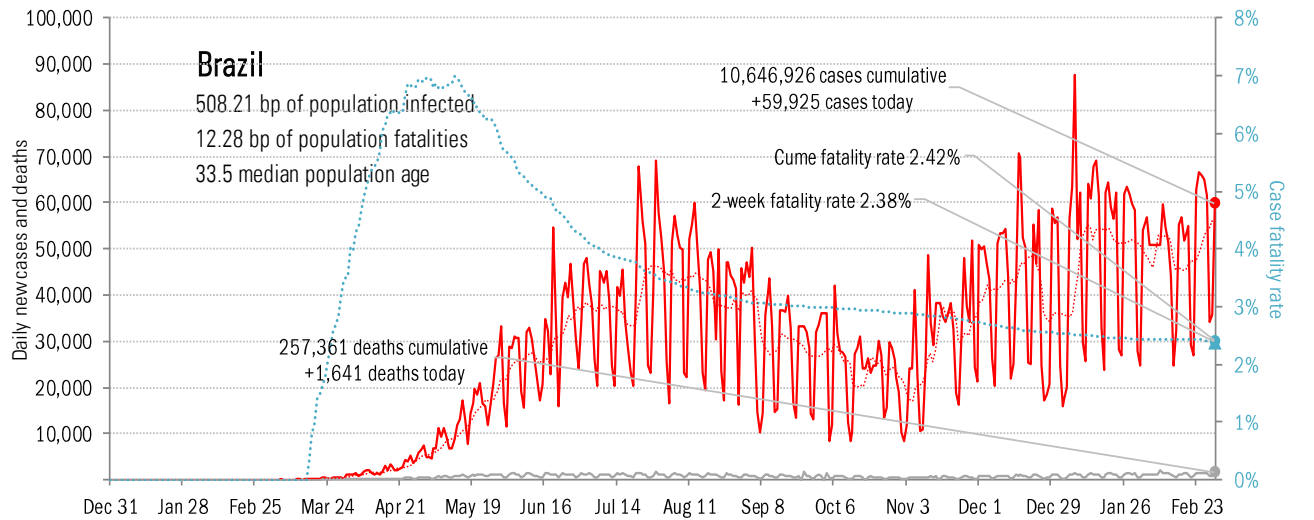
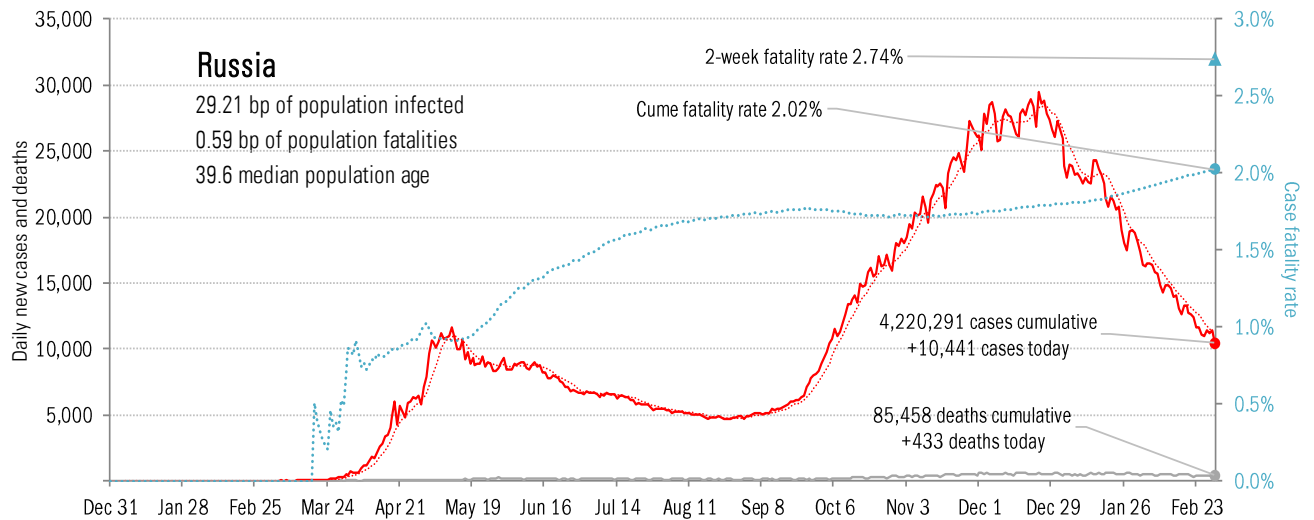
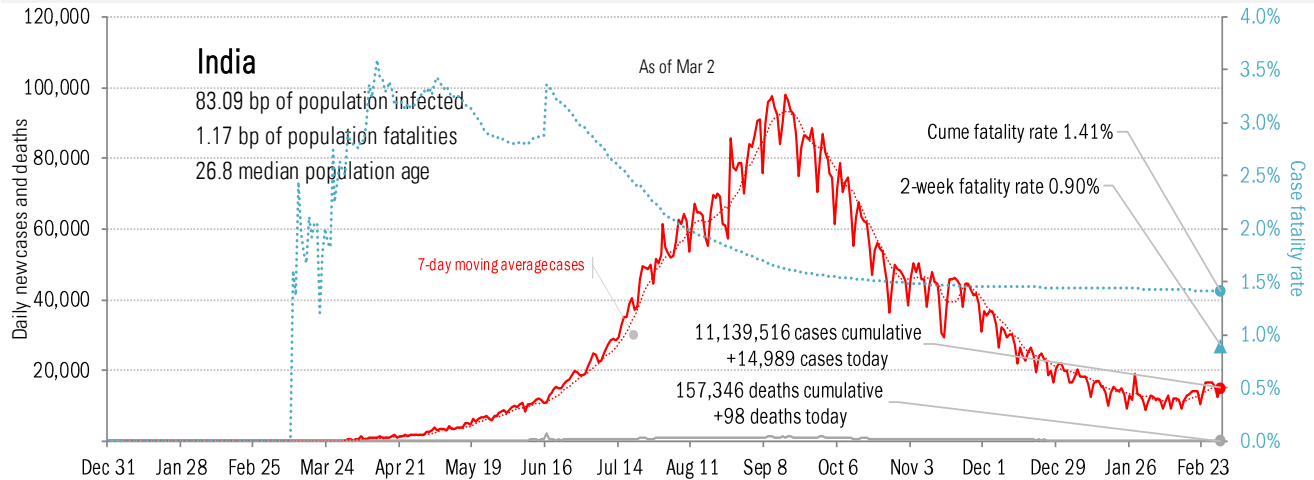
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



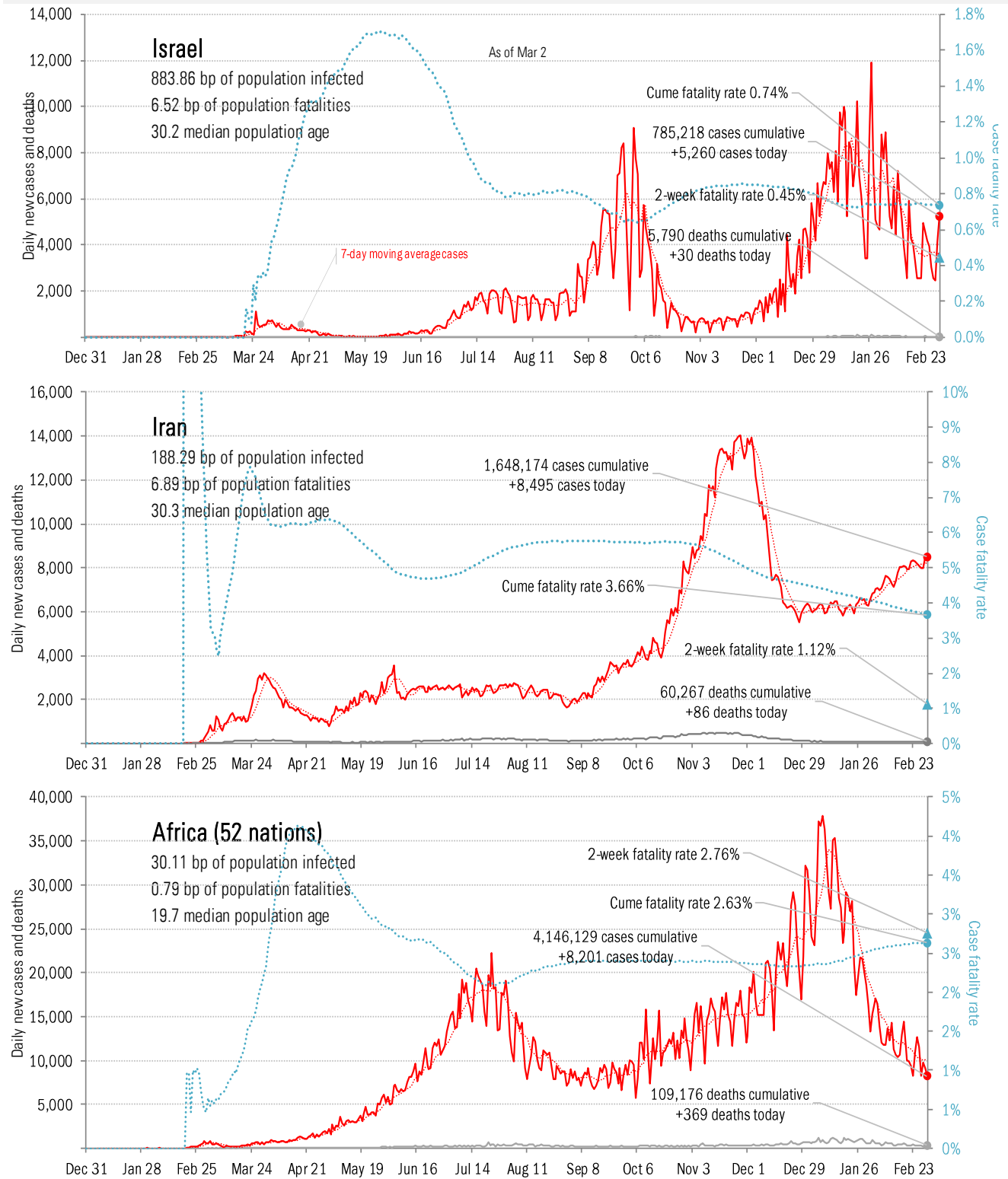
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



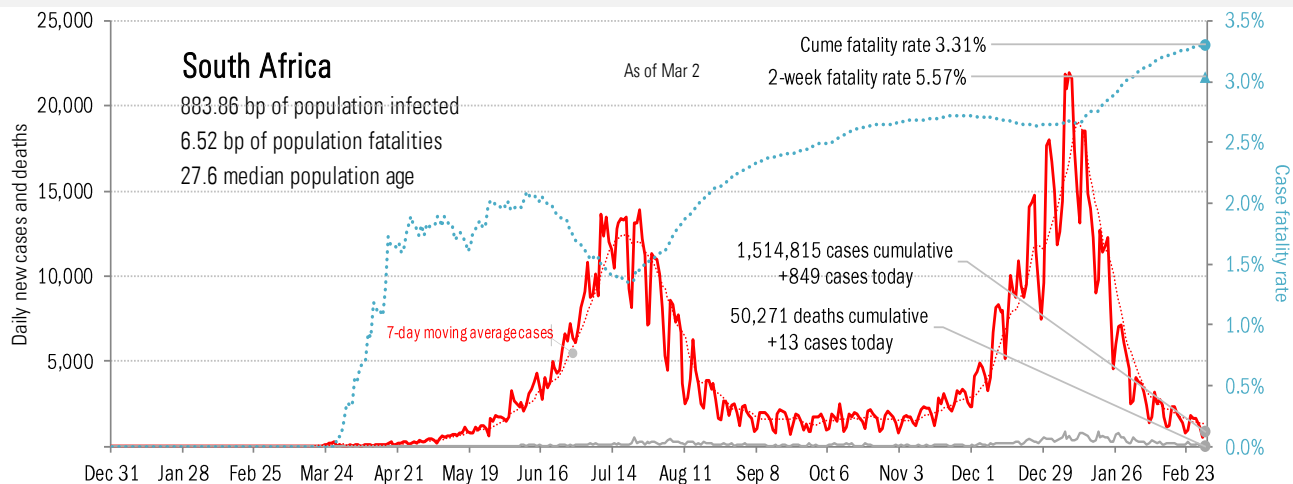
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in Africa, continued



Source: [Johns Hopkins](#), TrendMacro calculations