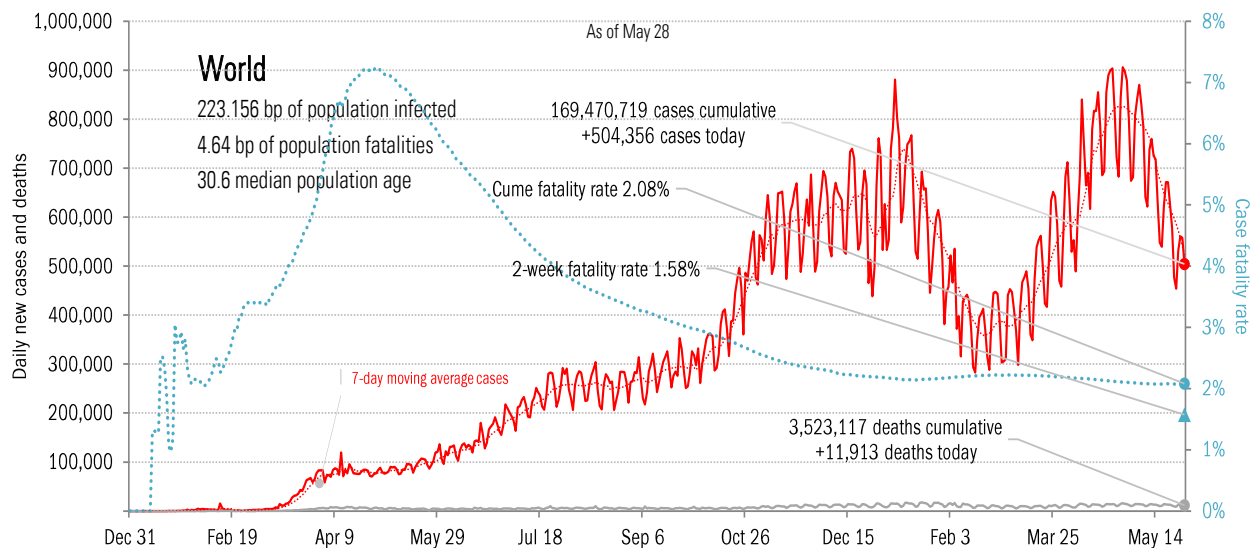
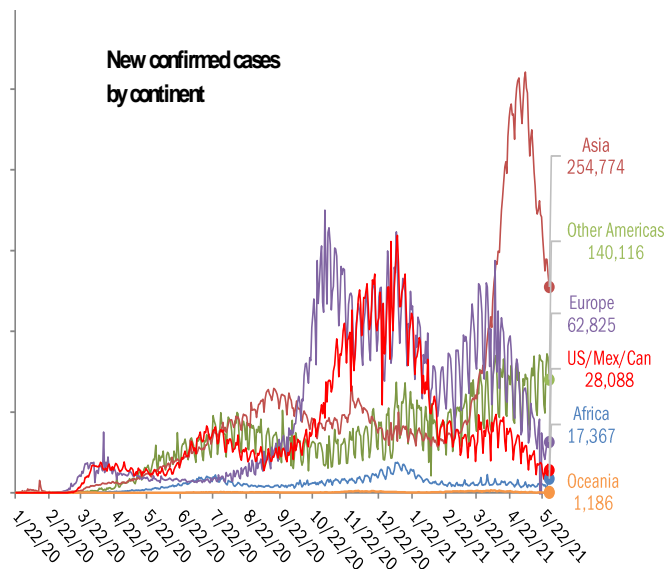


## Data Insights: Covid-2019 Monitor

Saturday, May 29, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+173,790	India	+3,617
Brazil	+49,768	Brazil	+2,371
Argentina	+39,207	United States	+675
Colombia	+23,374	Argentina	+558
United States	+21,968	Colombia	+514
France	+11,274	Mexico	+411
Iran	+10,253	Russia	+396
Russia	+9,126	South Africa	+216
South Africa	+8,996	Indonesia	+193
Philippines	+8,724	Philippines	+187
<b>+356,480</b>		<b>+9,138</b>	
World	+504,356	World	+11,913
Top ten	71%	Top ten	77%



Source: [Johns Hopkins](#), 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

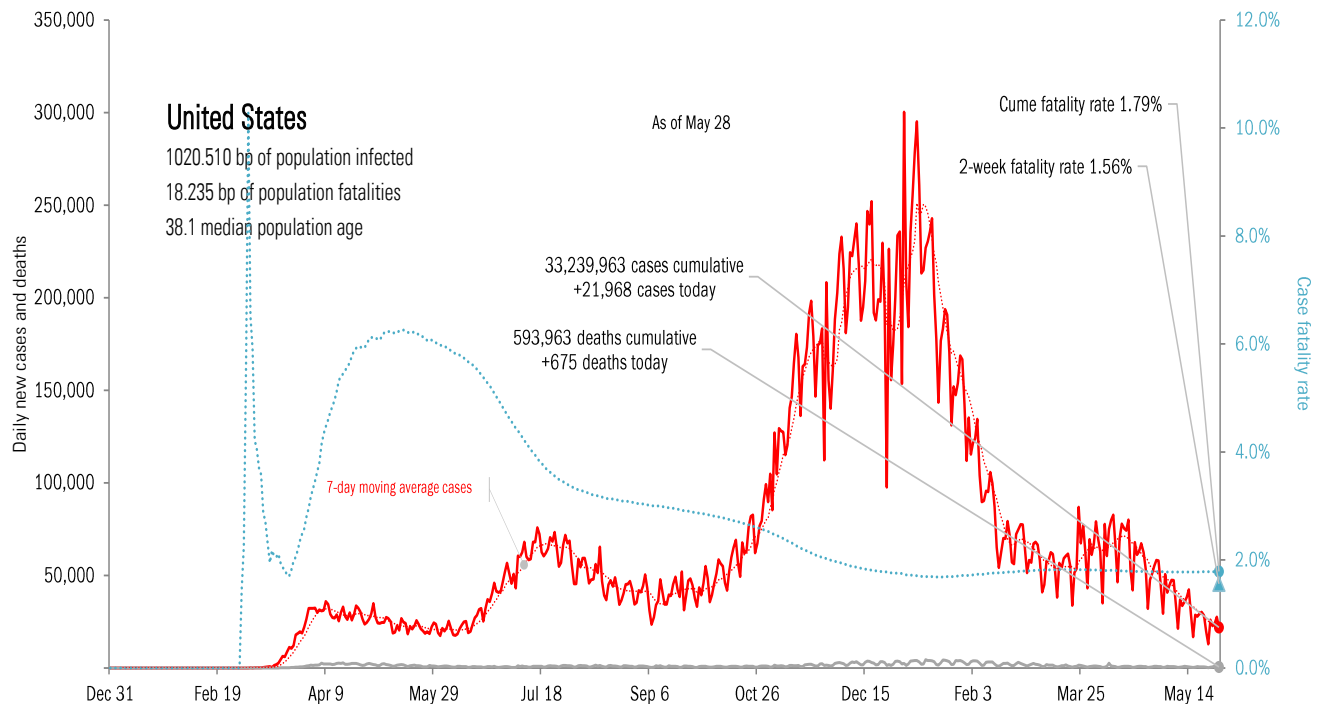
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+2,338		CH	+108		GA	+72		CA	3,787,911		CA	63,218		TX	246,271		R	92%	MI	19%
TX	+1,724		TX	+55		WA	+23		TX	2,952,311		NY	53,255		CA	234,846		MA	83%	CO	18%
CA	+1,452		CA	+50		KS	+21		FL	2,320,818		TX	51,456		FL	177,500		MO	81%	ME	14%
WA	+1,082		GA	+46		TX	+17		NY	2,100,183		FL	36,774		NY	133,317		GA	81%	MN	13%
PA	+1,003		PA	+45		WV	+10		IL	1,380,178		PA	27,175		GA	105,793		MD	80%	WV	13%
IL	+981		FL	+41		WY	+10		PA	1,202,231		NJ	26,185		PA	88,844		CT	80%	MD	13%
NY	+937		IL	+26		NH	+9		GA	1,122,711		IL	25,127		CH	84,875		PA	80%	MO	12%
AZ	+807		NY	+26		NM	+9		CH	1,100,972		GA	20,820		IL	79,802		MI	80%	NM	12%
CO	+802		MI	+23		MS	+8		NJ	1,015,634		MI	20,324		KY	74,543		DC	78%	ID	12%
NC	+738		NC	+23		DC	+6		NC	1,001,154		CH	19,861		MI	70,750		MN	78%	GA	12%
+11,864			+443			+185			17,984,103			344,195			1,296,541						
All states	+21,968		+675			-219			All states	33,239,963		593,963			2,323,393			All states	70%	67%	
Top ten	54%		66%			-84%			Top ten	54%		58%			56%			Median	72%	8%	

Some states not reporting

## Five most improved US states

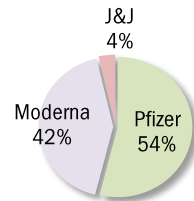
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-3,887	MD	-533	FL	-72	VT	+65 bp
WA	-449	CA	-101	KY	-49	MA	+56 bp
PA	-290	FL	-45	NC	-39	DE	+53 bp
NY	-211	MI	-39	AZ	-34	NH	+46 bp
GA	-149	WI	-33	NY	-25	NM	+45 bp



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

US overall	Total				Today	Immunity	Full	Partial
Doses distributed	374,845,245				+1.139 million	US	39.9%	49.8%
Doses administered	301,158,792				+1.411 million	UK	36.1%	57.3%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	15.6%	36.4%
Total population	170,851,775	51%	137,416,477	41%	+0.777 million	Spain	18.8%	37.9%
Age 12 to 17	5,830,609	23%	2,170,126	9%	+0.041 million	Germany	16.9%	42.8%
Age 18 to 64	116,518,589	57%	93,027,410	46%	+0.639 million	Italy	19.0%	37.4%
Age 65 and over	48,452,437	89%	42,210,040	77%	+0.097 million	Australia	1.9%	13.9%
						Israel	59.3%	63.0%
						Canada	5.0%	55.5%
						Japan	2.4%	6.4%
						Africa	0.6%	1.8%
						India	3.1%	11.6%
						Brazil	10.3%	21.0%



State
Immunities distributed as % population**
At least partial immunity as % population
Full immunity as % population



At today's dosing pace, every American >18 immune in **126 days** by Sep 30, 2021

64.7% of population >18 immunized  
14.0% previously tested positive  
**78.7%** vs 60% adult herd immunity\*

Global data differs from sources, timing

AK
59.1%
45.8%
39.1%

ME
68.9%
62.8%
54.0%

<table border="1"> <thead> <tr> <th>WA</th> <th>ID</th> <th>MT</th> <th>ND</th> <th>MN</th> <th>IL</th> <th>MI</th> </tr> </thead> <tbody> <tr> <td>61.1%</td> <td>47.4%</td> <td>53.8%</td> <td>47.2%</td> <td>58.0%</td> <td>58.5%</td> <td>59.1%</td> </tr> <tr> <td>55.7%</td> <td>37.3%</td> <td>45.0%</td> <td>41.9%</td> <td>54.0%</td> <td>54.0%</td> <td>48.4%</td> </tr> <tr> <td>45.0%</td> <td>32.5%</td> <td>38.0%</td> <td>36.3%</td> <td>45.5%</td> <td>39.3%</td> <td>41.6%</td> </tr> </tbody> </table>	WA	ID	MT	ND	MN	IL	MI	61.1%	47.4%	53.8%	47.2%	58.0%	58.5%	59.1%	55.7%	37.3%	45.0%	41.9%	54.0%	54.0%	48.4%	45.0%	32.5%	38.0%	36.3%	45.5%	39.3%	41.6%	<table border="1"> <thead> <tr> <th>NY</th> <th>MA</th> </tr> </thead> <tbody> <tr> <td>61.0%</td> <td>69.4%</td> </tr> <tr> <td>55.1%</td> <td>65.7%</td> </tr> <tr> <td>46.2%</td> <td>52.3%</td> </tr> </tbody> </table>	NY	MA	61.0%	69.4%	55.1%	65.7%	46.2%	52.3%								
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As of May 28

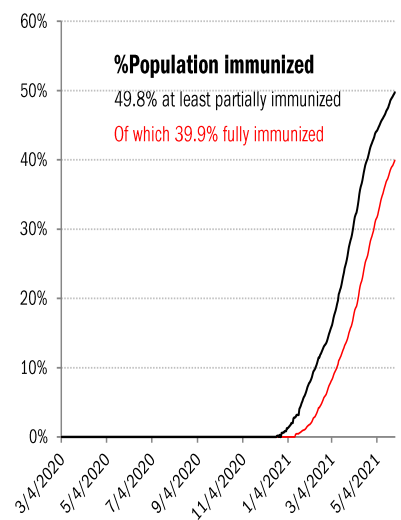
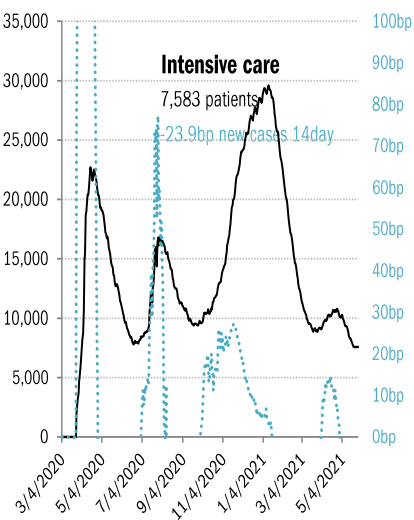
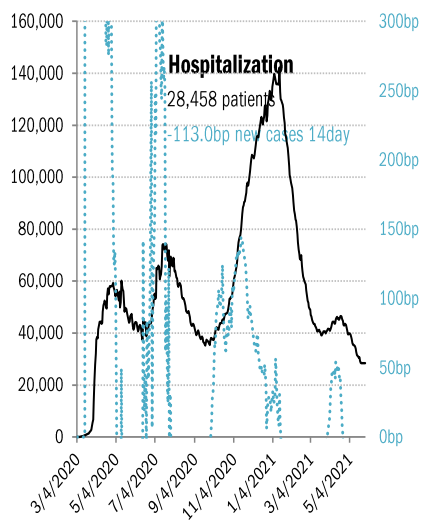
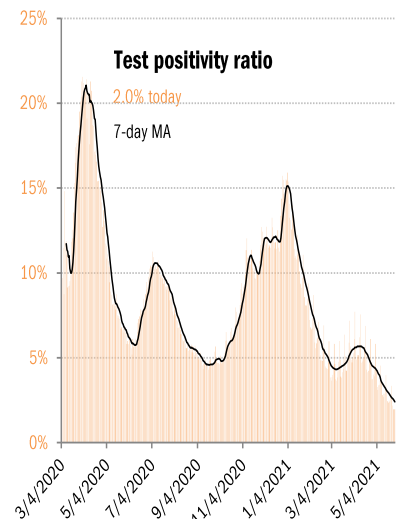
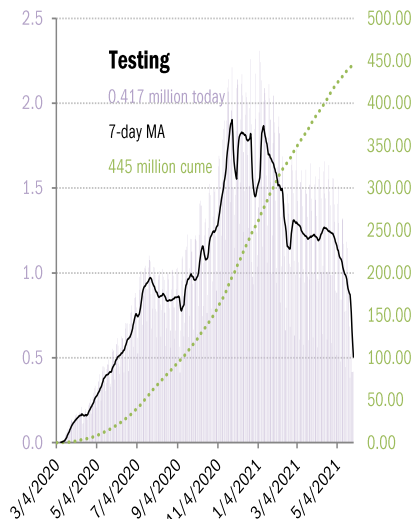
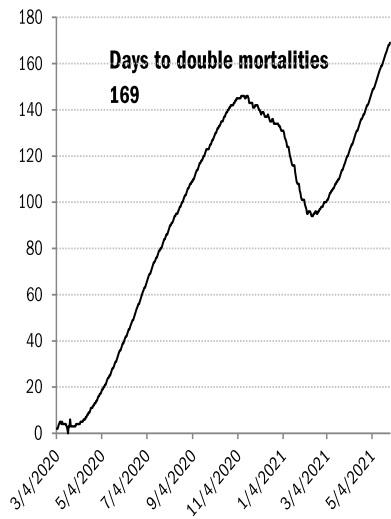
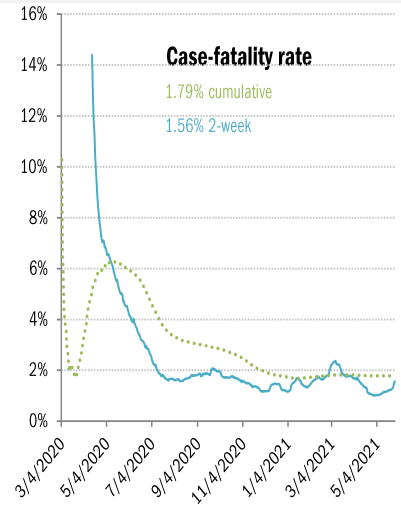
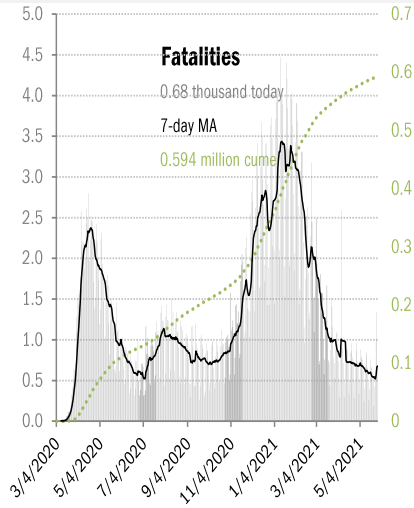
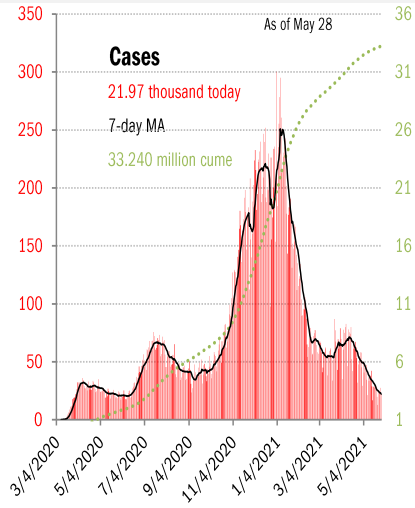
\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

\*\* One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

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

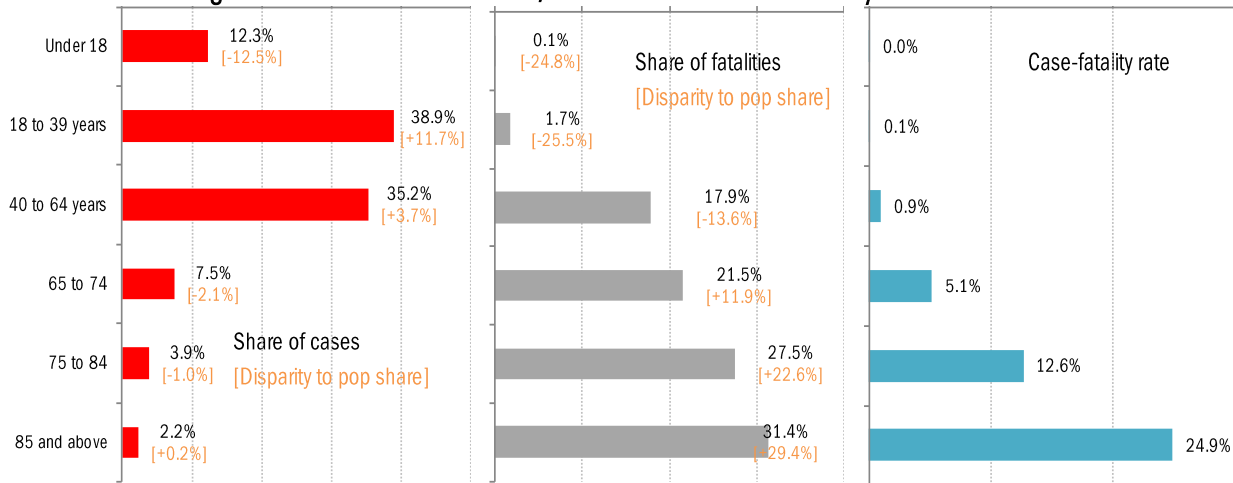
# US deep-dive

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

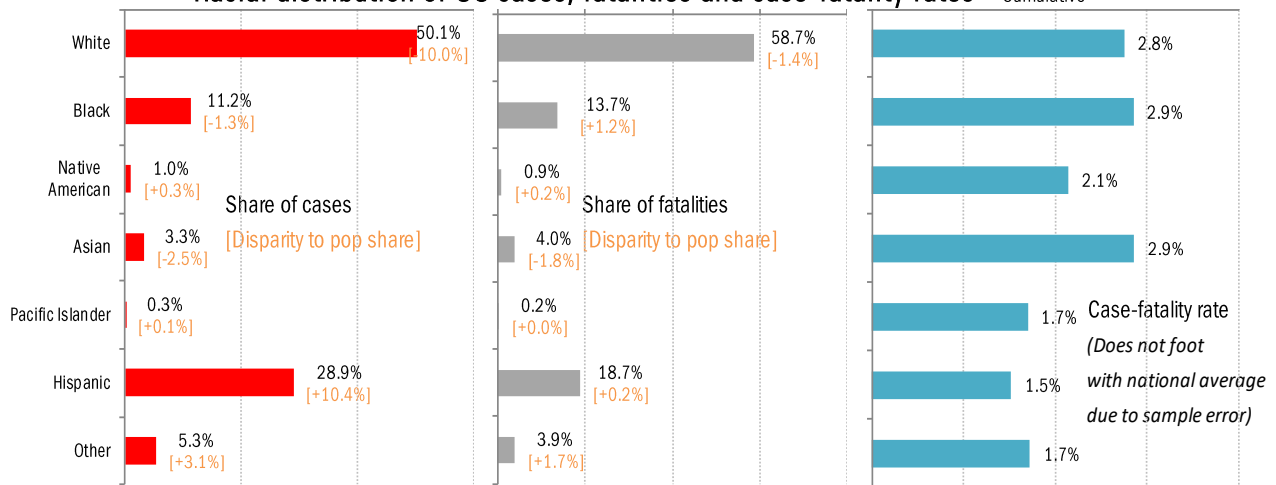


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

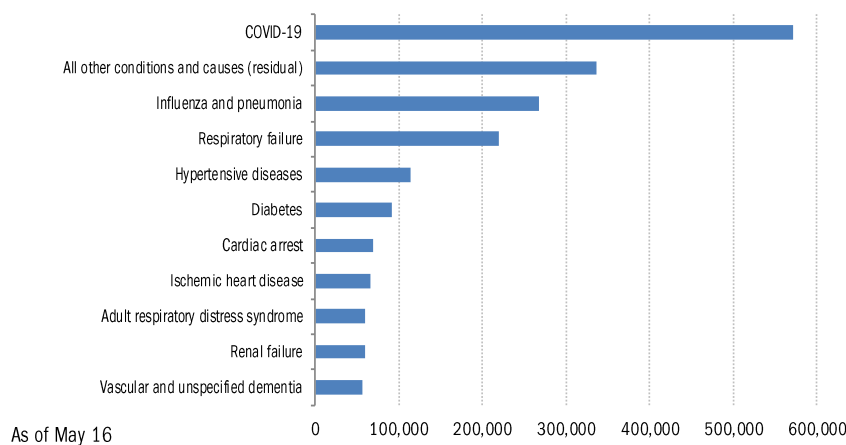


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



For 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

[Press Briefing by Principal Deputy Press Secretary Karine Jean-Pierre](#)

*The White House*  
May 26, 2021

[Covid's Deadliest Phase May Be Here Soon](#)

Zeynep Tufekci  
<https://www.nytimes.com/2021/05/28/opinion/covid-vaccine-variants.html>  
May 28, 2021

[Immunity to the Coronavirus May Persist for Years, Scientists Find](#)

Apoorva Mandavilli  
*New York Times*  
May 26, 2021

[India's Second Covid Wave Recedes. Will a Third One Sweep In?](#)

Sadanand Dhume  
*Wall Street Journal*  
May 28, 2021

[Wuhan Lab Theory Is a Media Warning](#)

Holman W. Jenkins, Jr.  
*Wall Street Journal*  
May 28, 2021

[Kids and Covid-19: Latest on Masks, Social Distancing, Summer Camp](#)

Robbie Whelan  
*Wall Street Journal*  
May 28, 2021

[Teenage Campers Who Are Fully Vaccinated Don't Need to Wear Face Masks, Physically Distance, CDC Says](#)

Betsy McKay and Robbie Whelan  
*Wall Street Journal*  
May 28, 2021

[The Lab-Leak Theory](#)

David Leonhardt  
*New York Times*  
May 27, 2021

[Another casualty of the pandemic: Journalists' curiosity about the Wuhan lab](#)

Bernard Goldberg  
*The Hill*  
May 28, 2021

[Intelligence Community Statement on Origins of COVID-19](#)

*US Intelligence Community*  
April 20, 2020

[The Wuhan story that finally has legs, now that Trump is gone](#)

John Kass  
*Chicago Tribune*  
May 26, 2021

[Fauci: 'I don't have enough insight' into CCP to know if coronavirus science has been compromised](#)

Daniel Payne  
*Just the News*  
May 26, 2021

[Trust science? Fauci and NIH chief say Biden never consulted them before spiking COVID origin probe](#)

Daniel Payne  
*Just the News*  
May 27, 2021

[Fauci facing calls for resignation after shifting positions on probe of Wuhan lab](#)

Mark Moore  
*New York Post*  
May 26, 2021

[NYT Covid Reporter Tweets and Deletes Comments About Wuhan Lab Theory and Racism](#)

Caleb Howe  
*Mediaite*  
May 26, 2021

[Fauci: It would have been 'dereliction of our duty' not to collaborate with China on studying coronaviruses](#)

Jerry Dunleavy  
*Washington Examiner*  
May 25, 2021

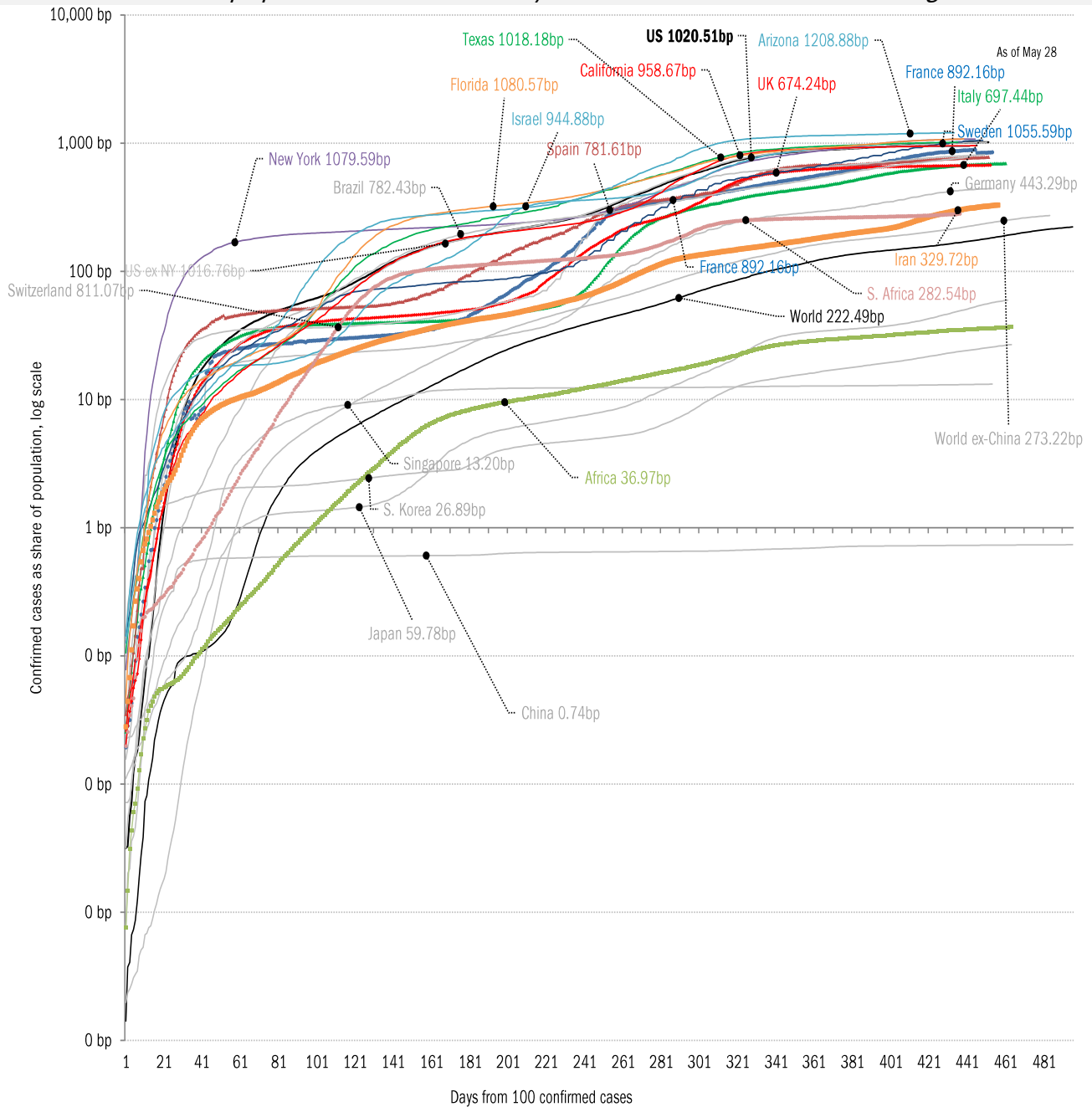
Meme of the day

**Night clubs are reopening, but only vaccinated people will be allowed... 🤔🤔**



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*

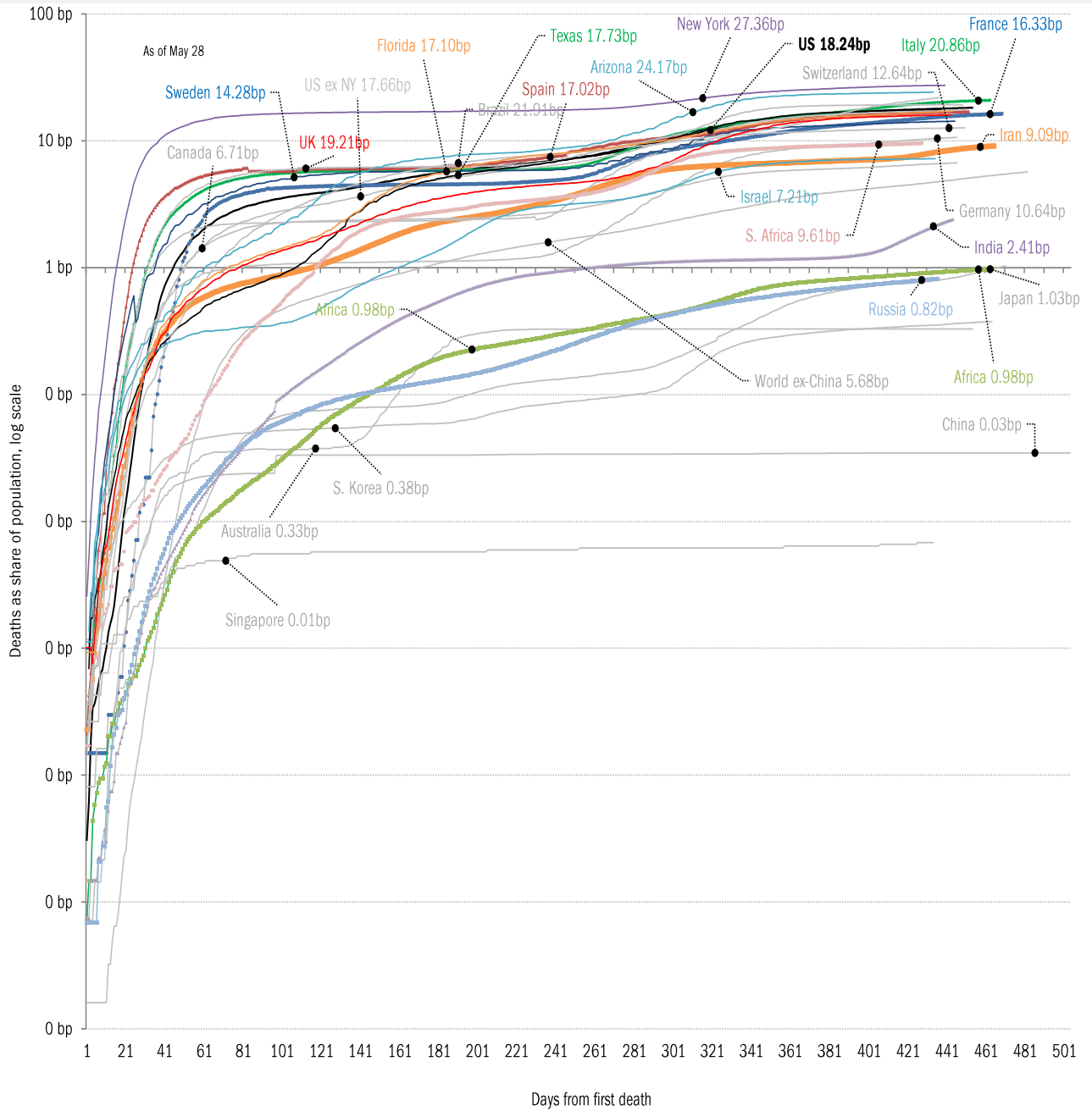


Source: [Johns Hopkins](#), TrendMacro calculations



# The coronavirus mortality accelerometer ... tracking the world's fatality curves

## Share of deceased population from day of first fatality

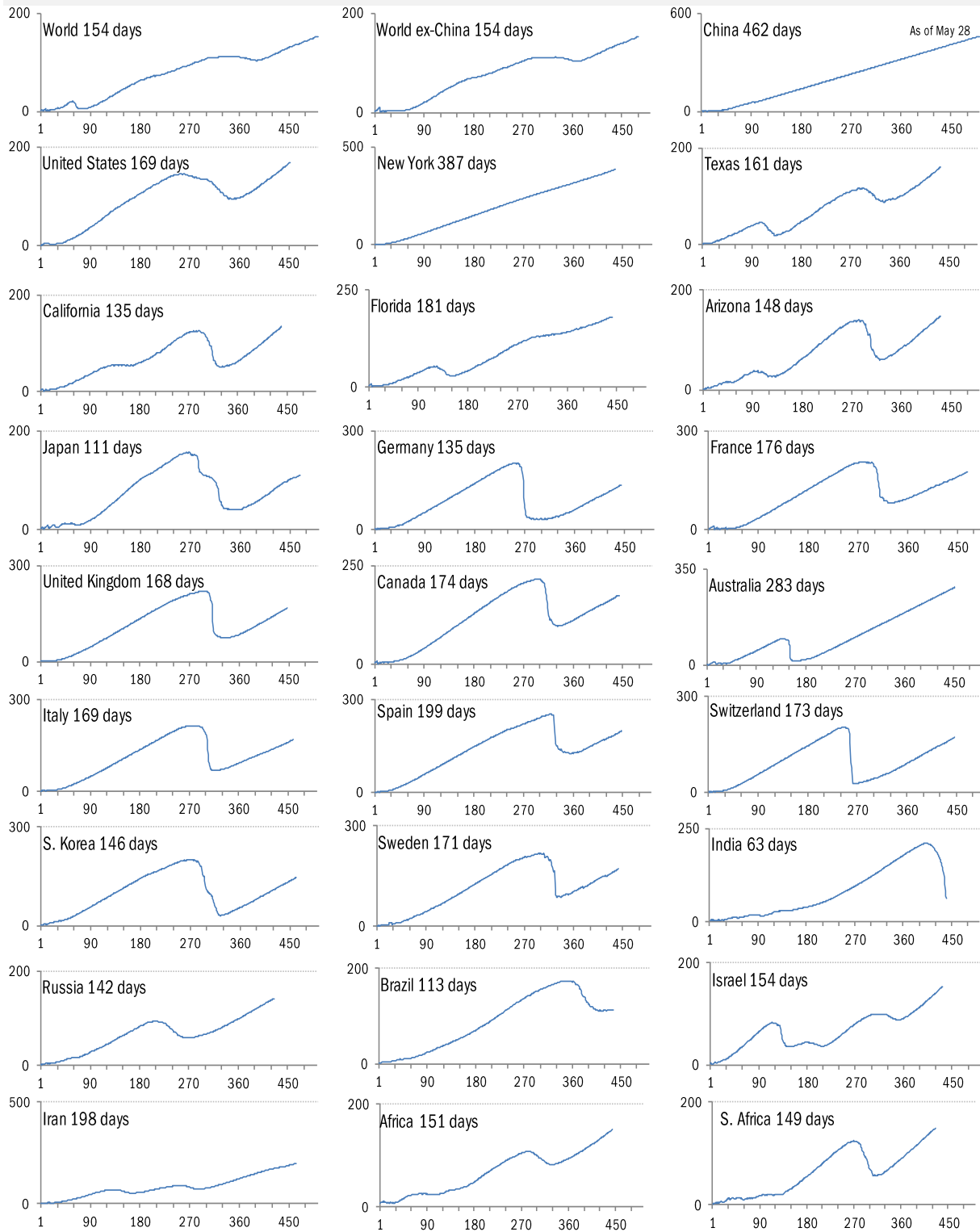


Source: [Johns Hopkins](#), TrendMacro calculations

# "Exponential"? Our most reliable evidence of the rate of spread of Covid-19

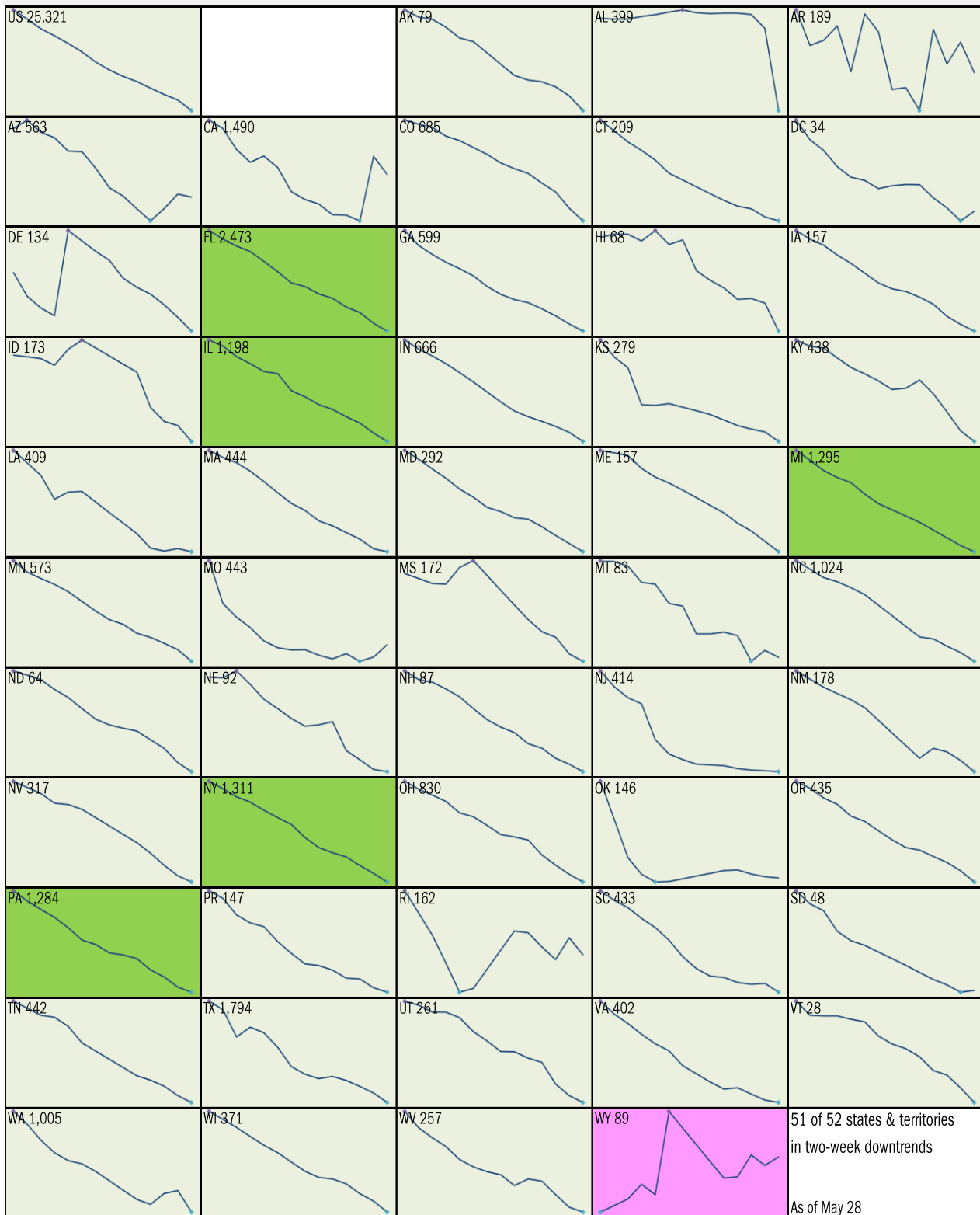
Vertical: days to double deaths Horizontal: days from first death

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

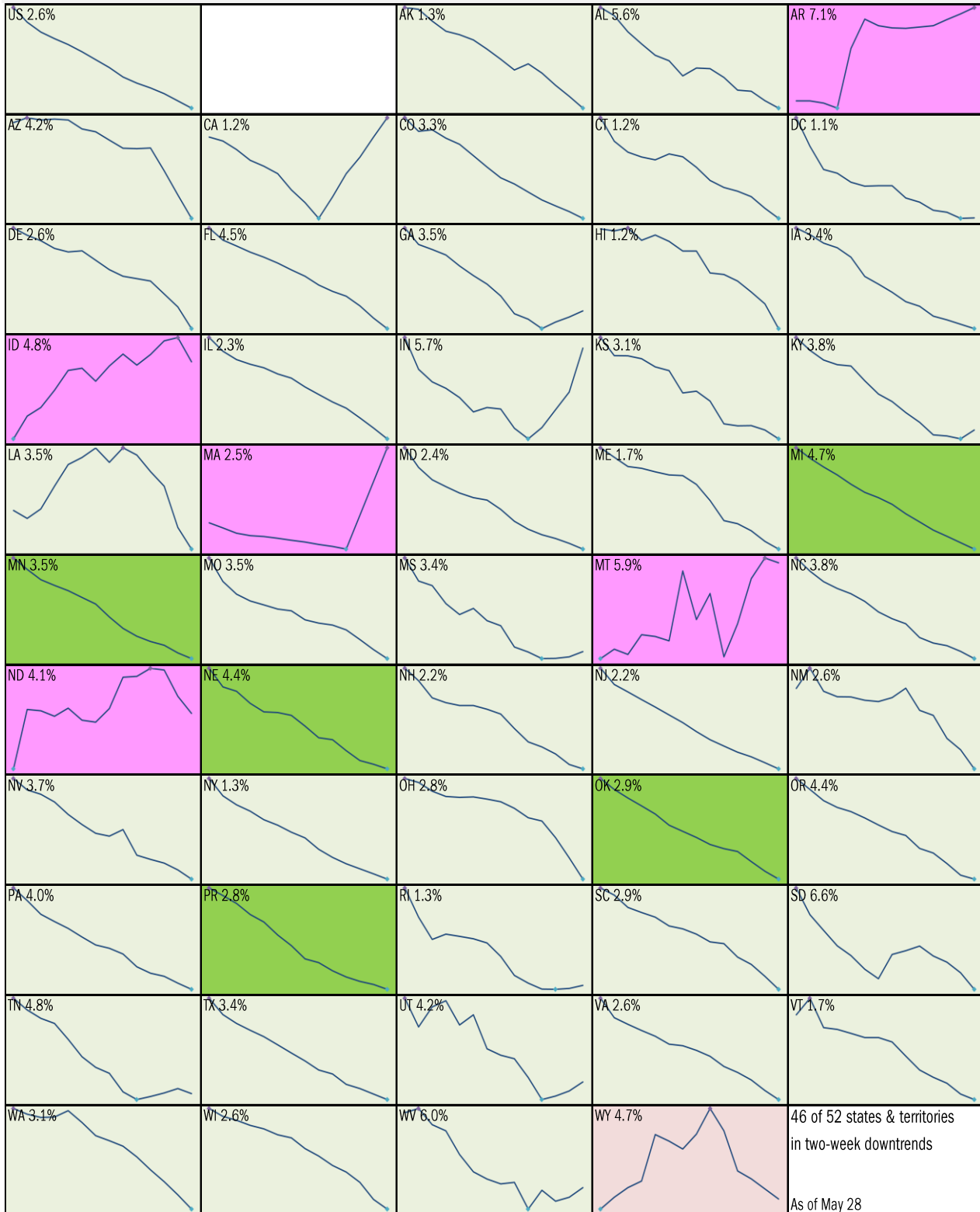


Source: [Johns Hopkins](#), TrendMacro calculations

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

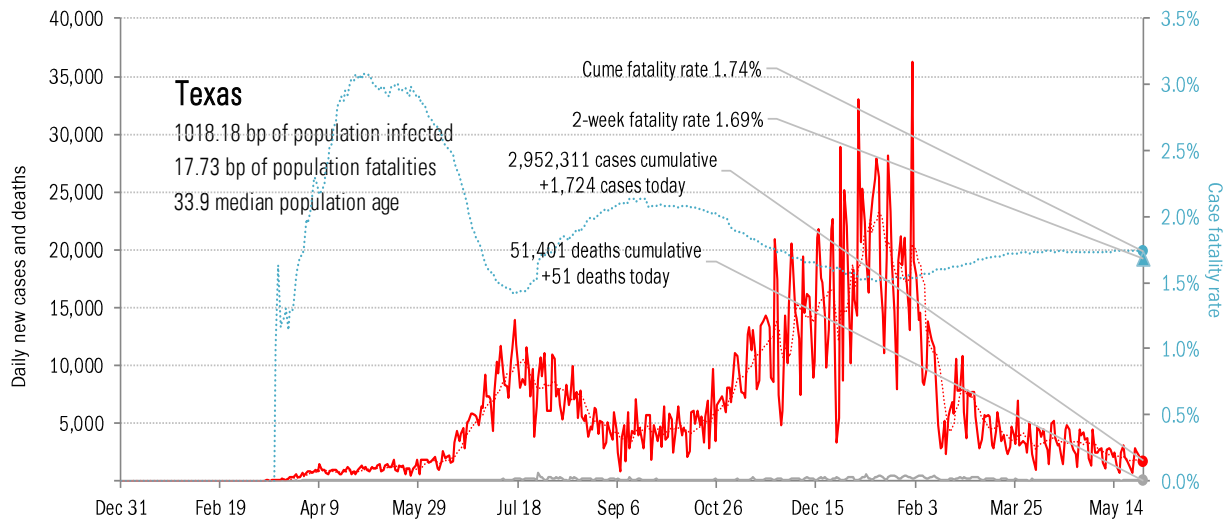
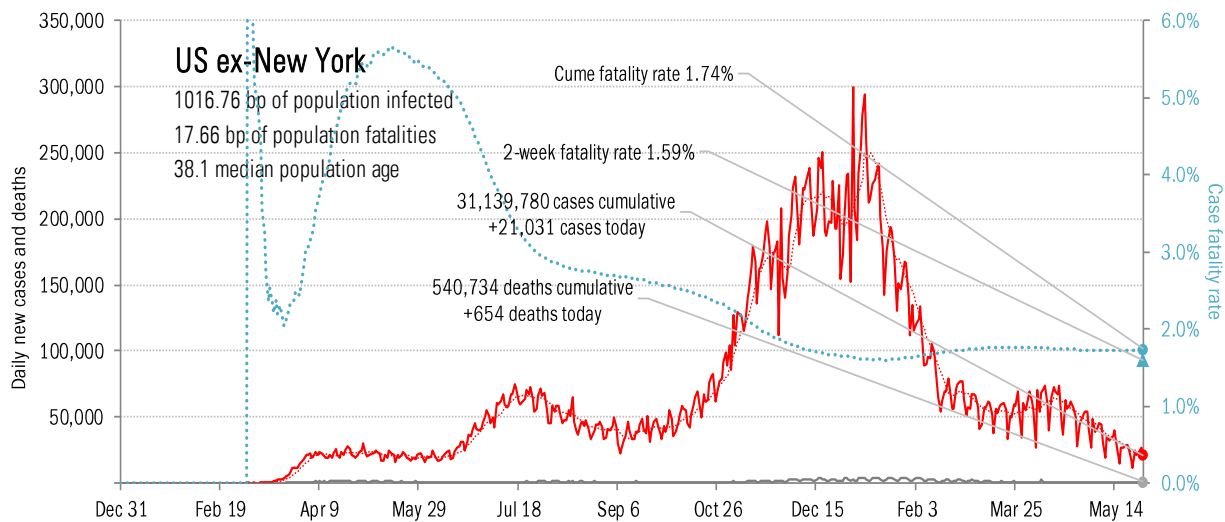
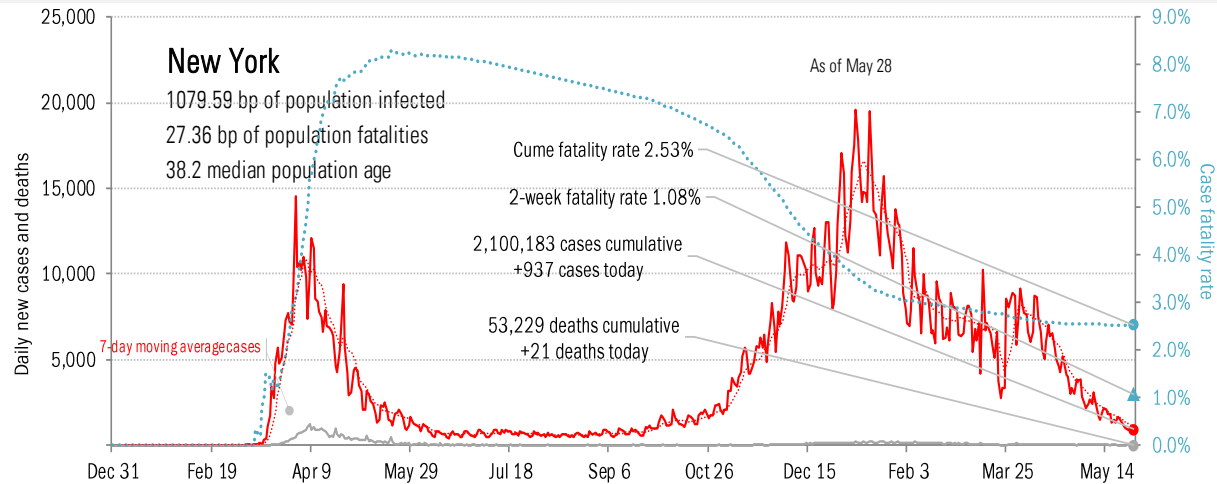
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



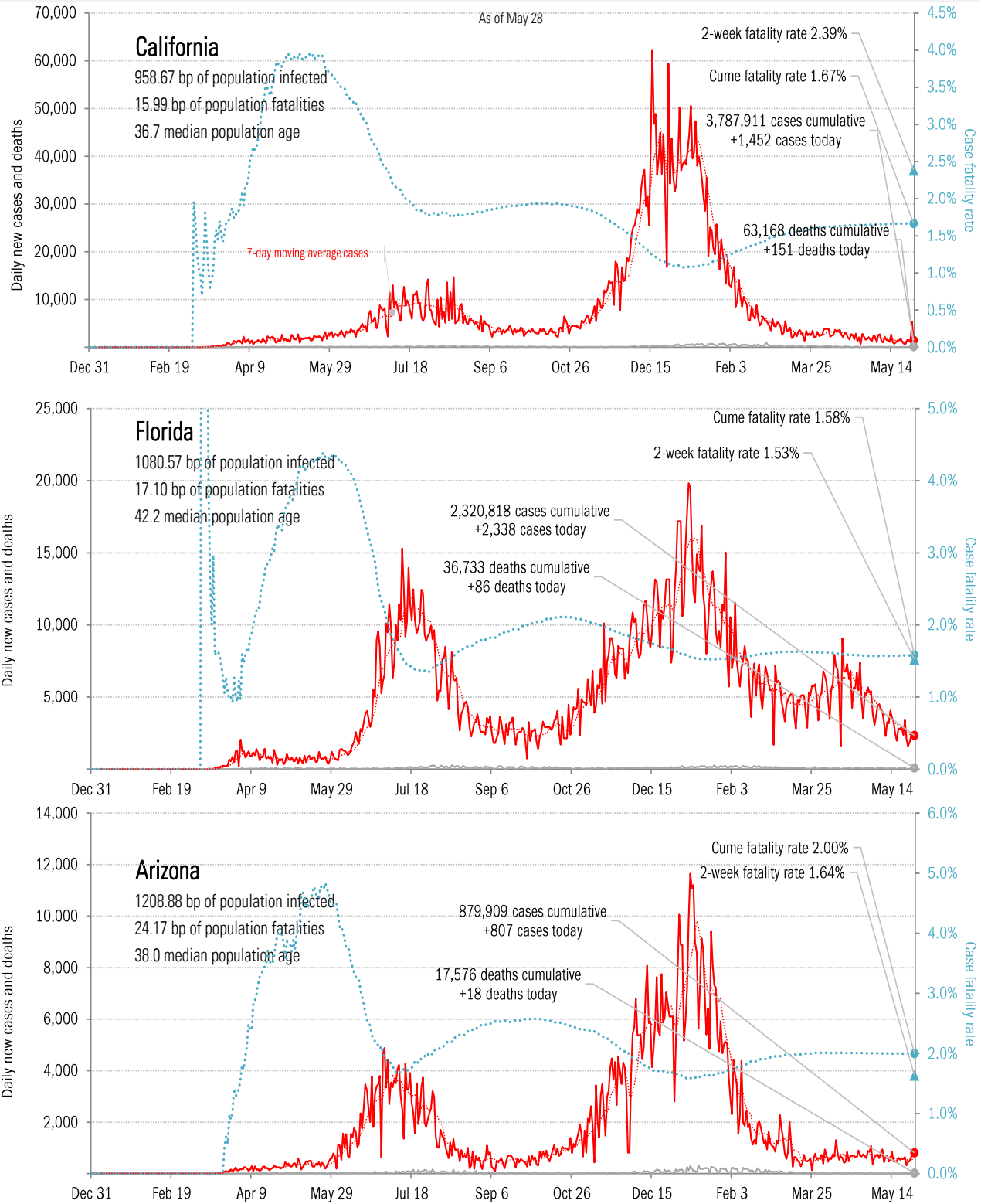
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



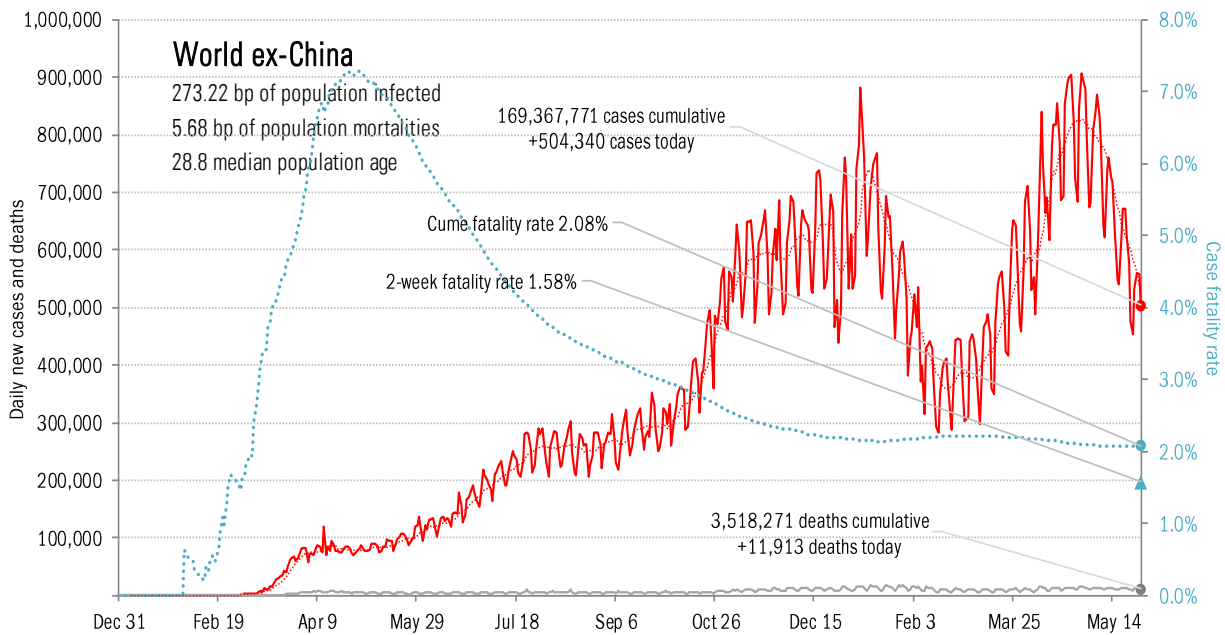
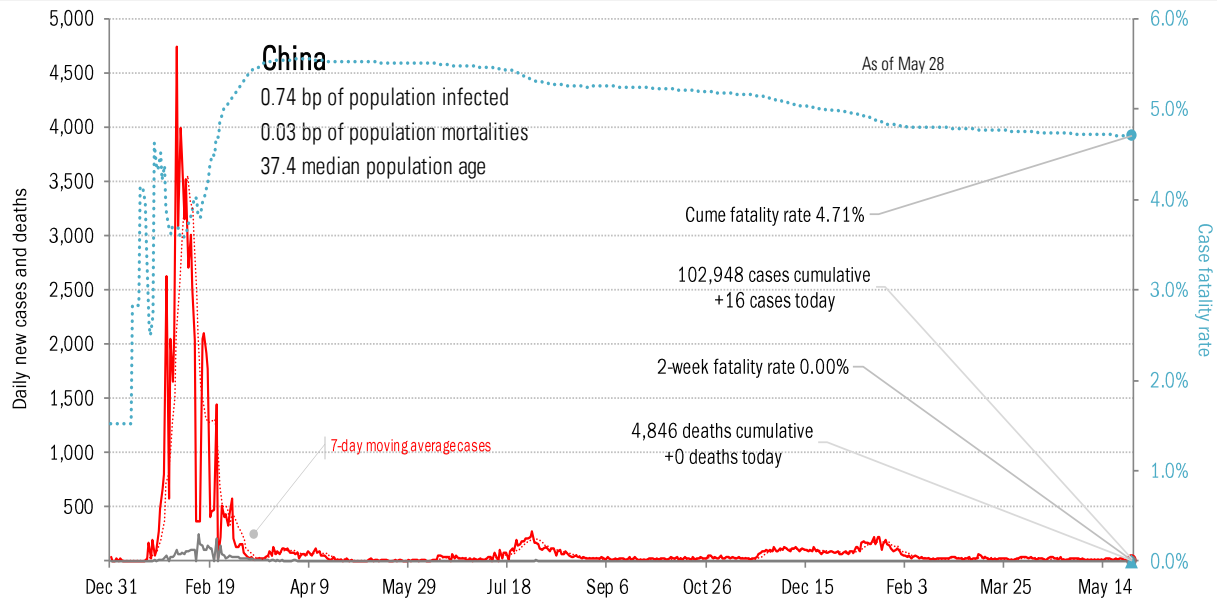
Source: [Johns Hopkins](#), TrendMacro calculations

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



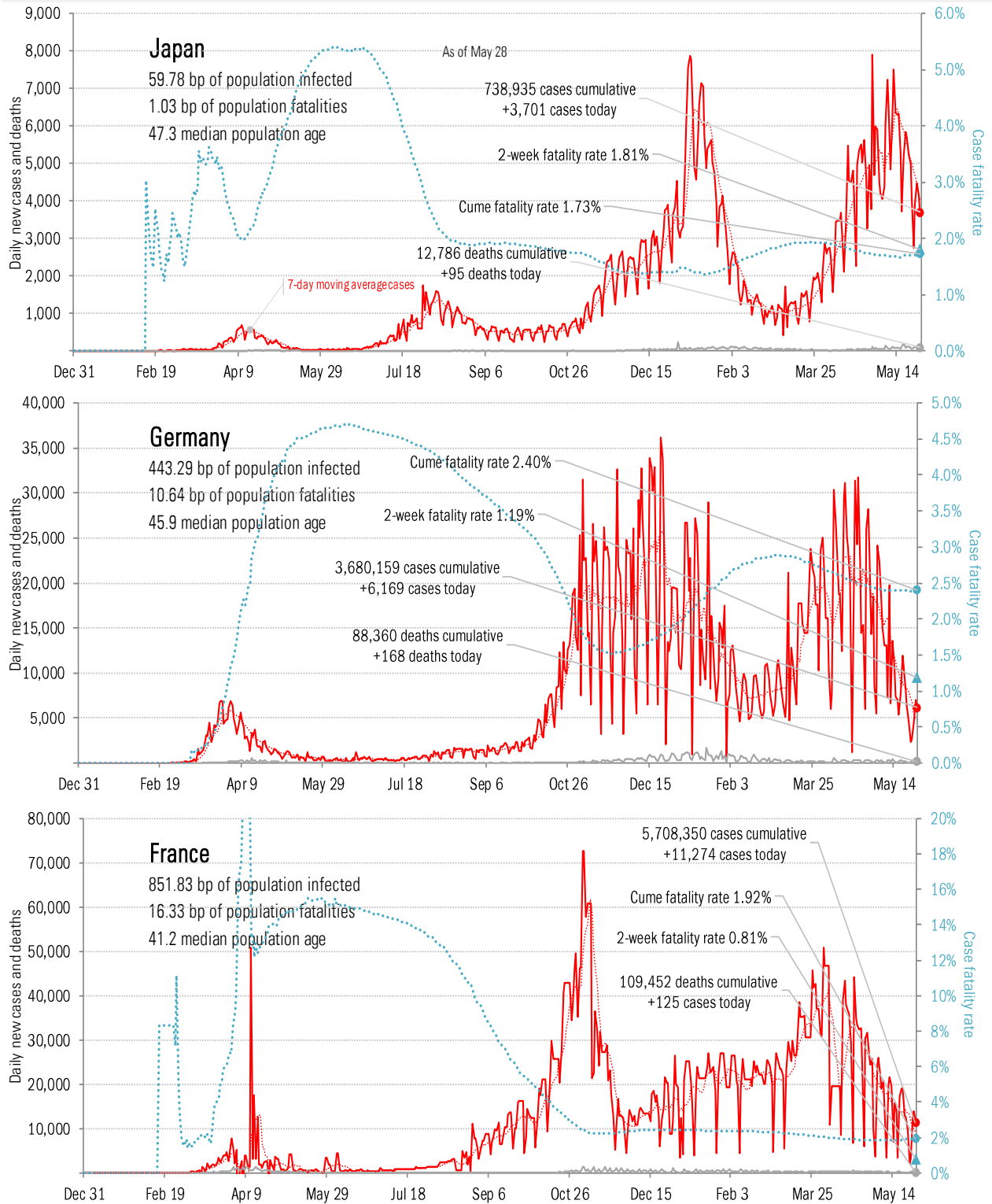
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



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

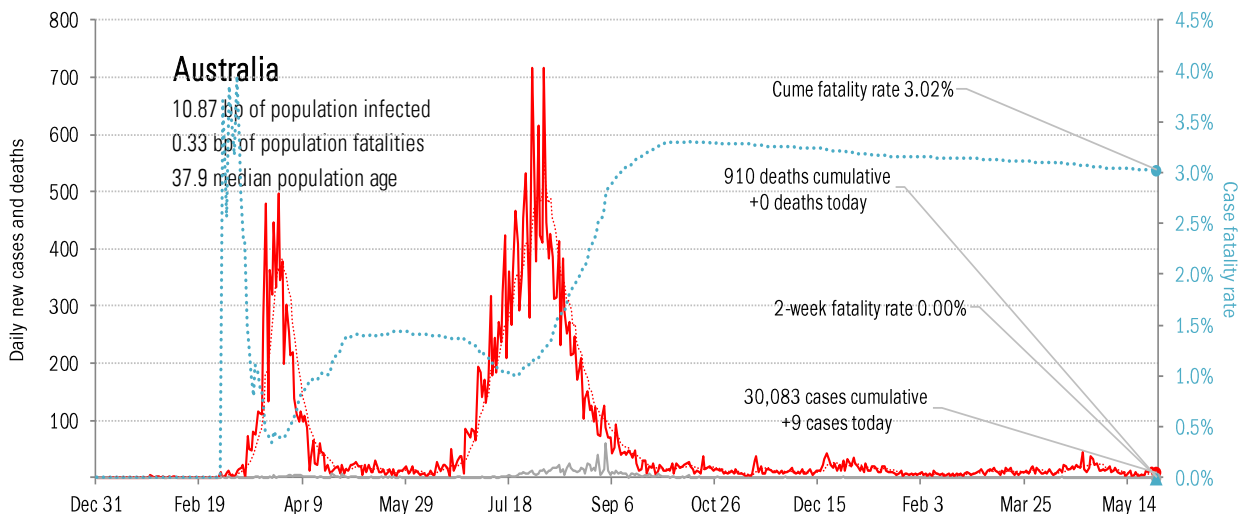
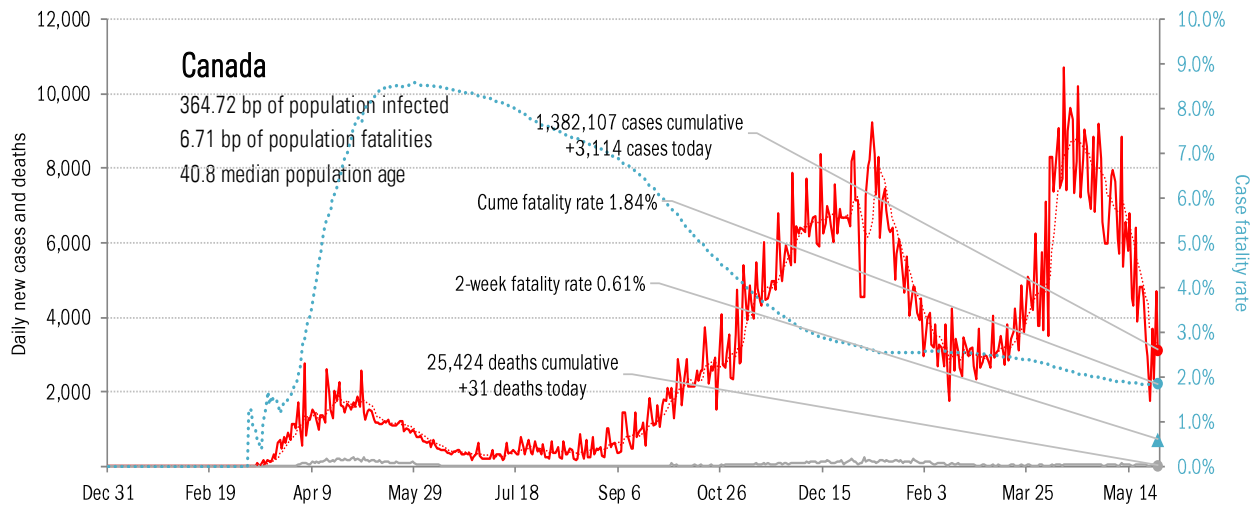
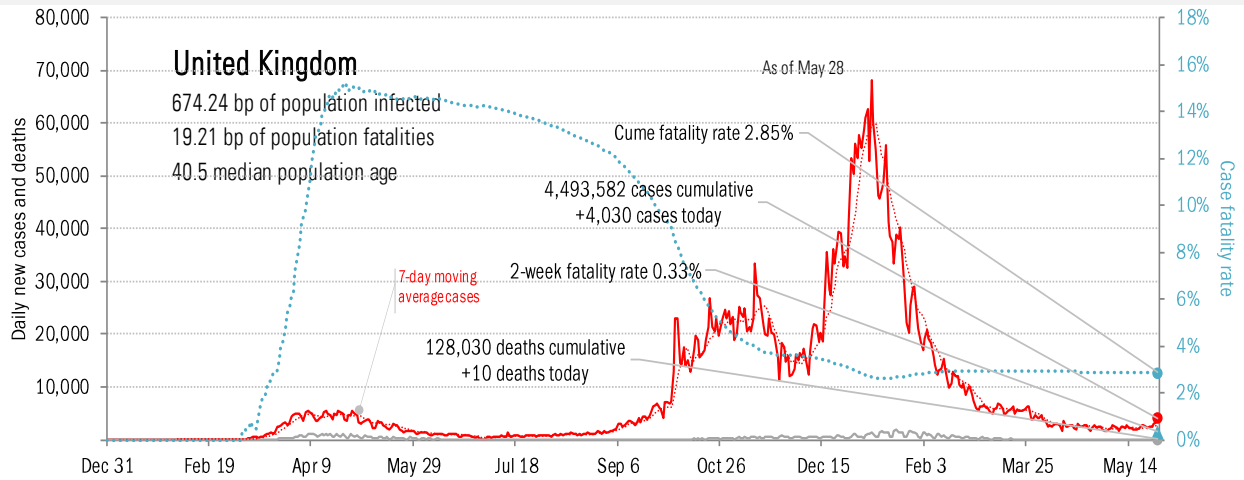
# Impact in the largest economies



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

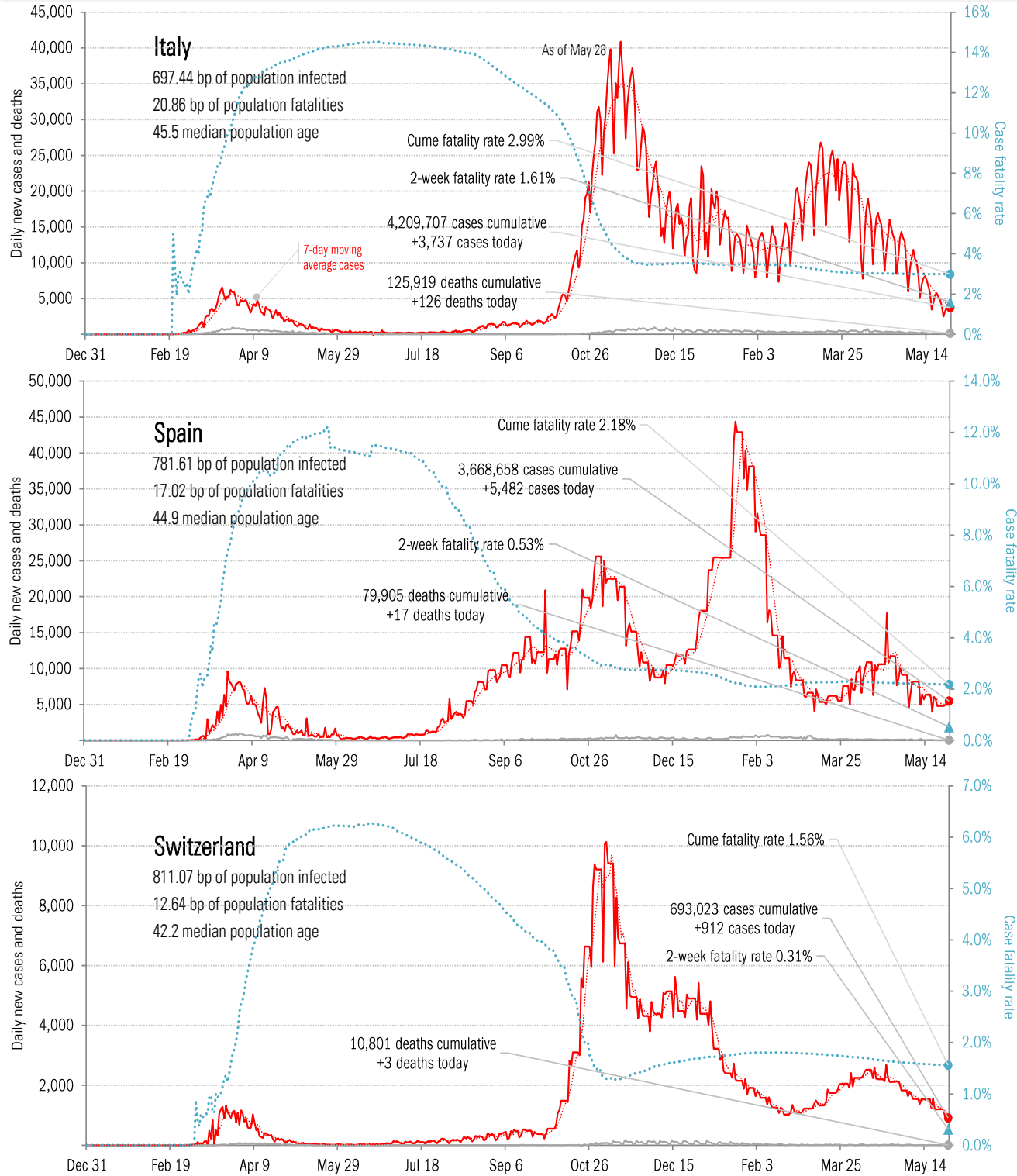


# Impact in The Anglosphere



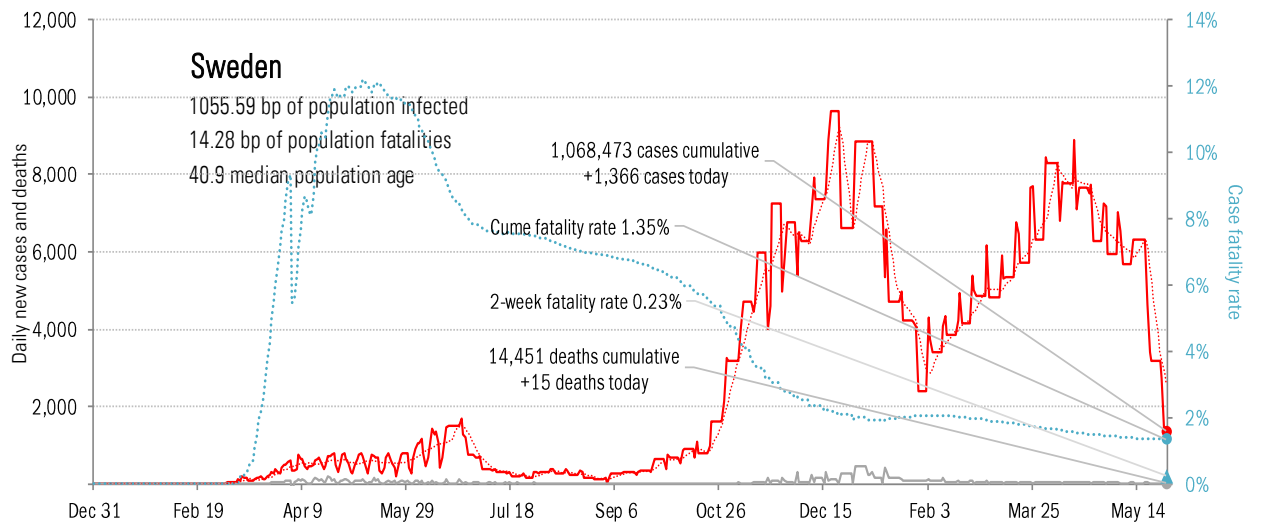
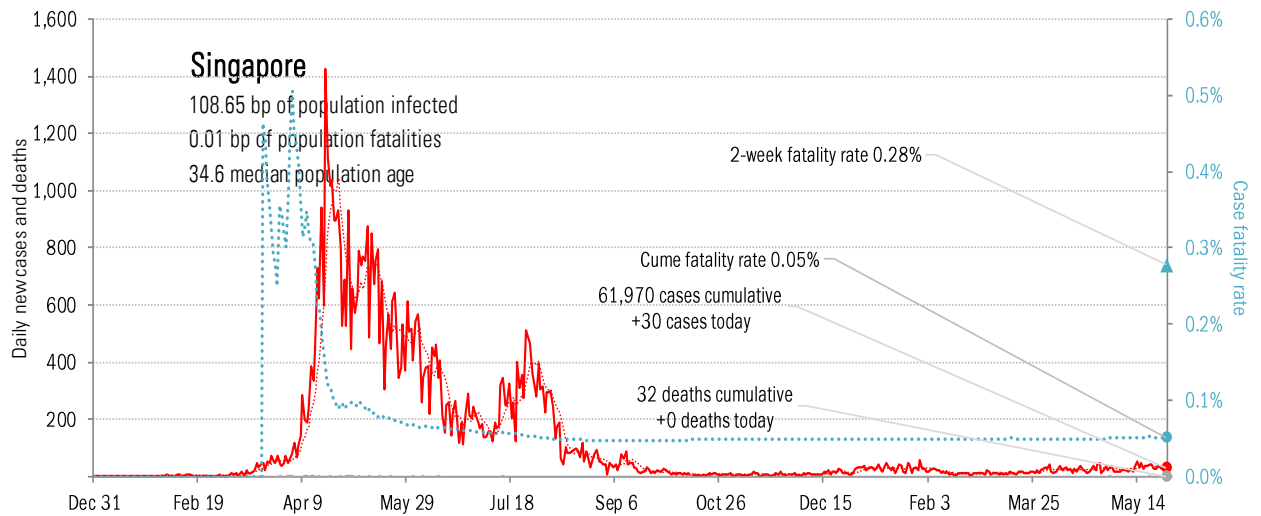
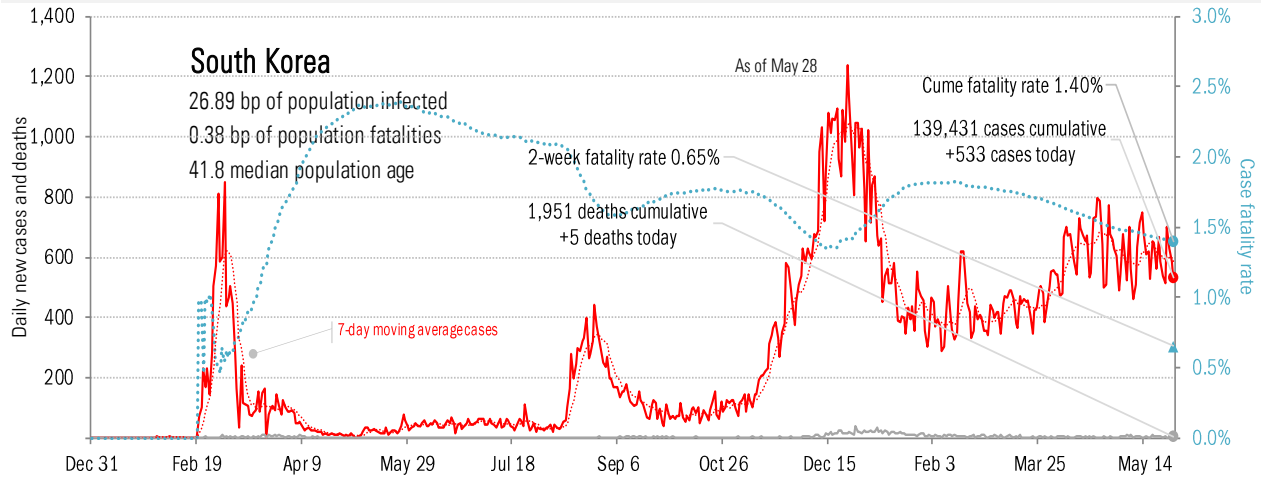
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe



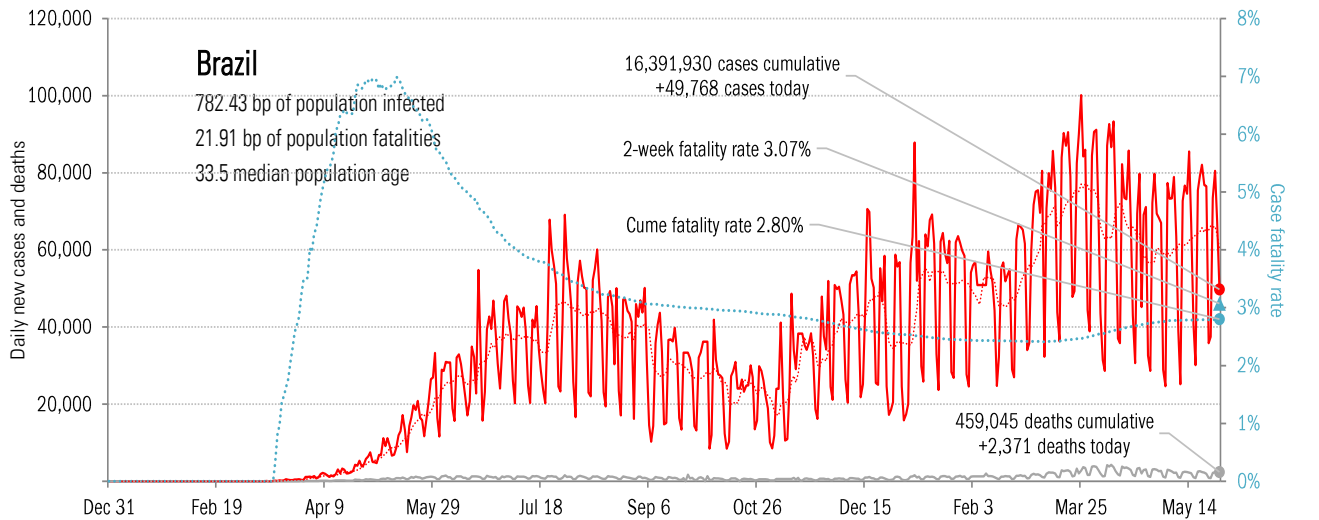
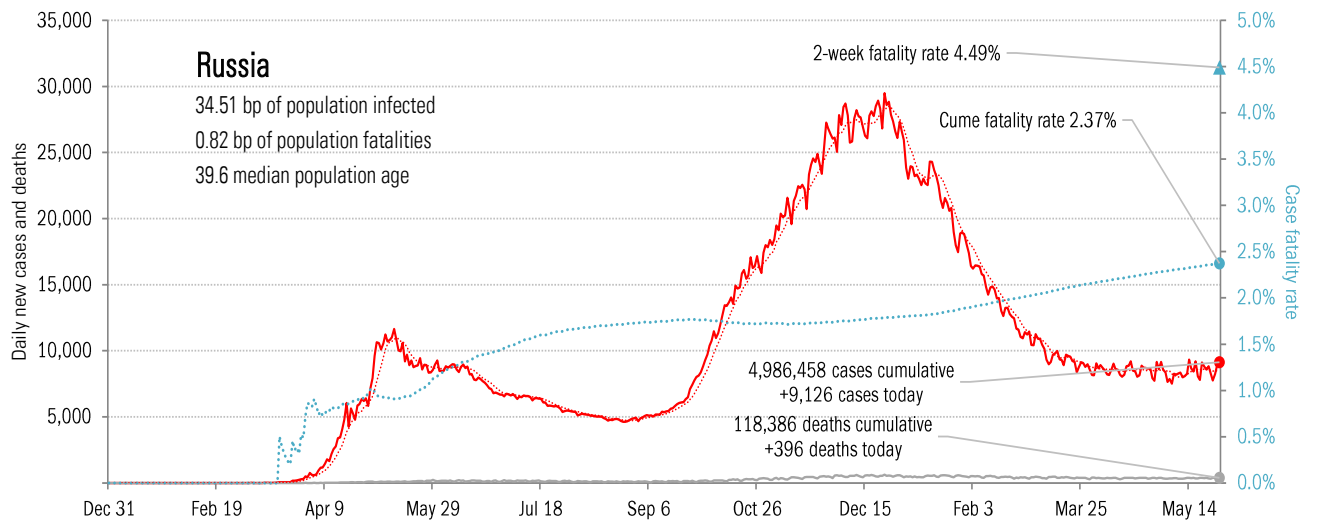
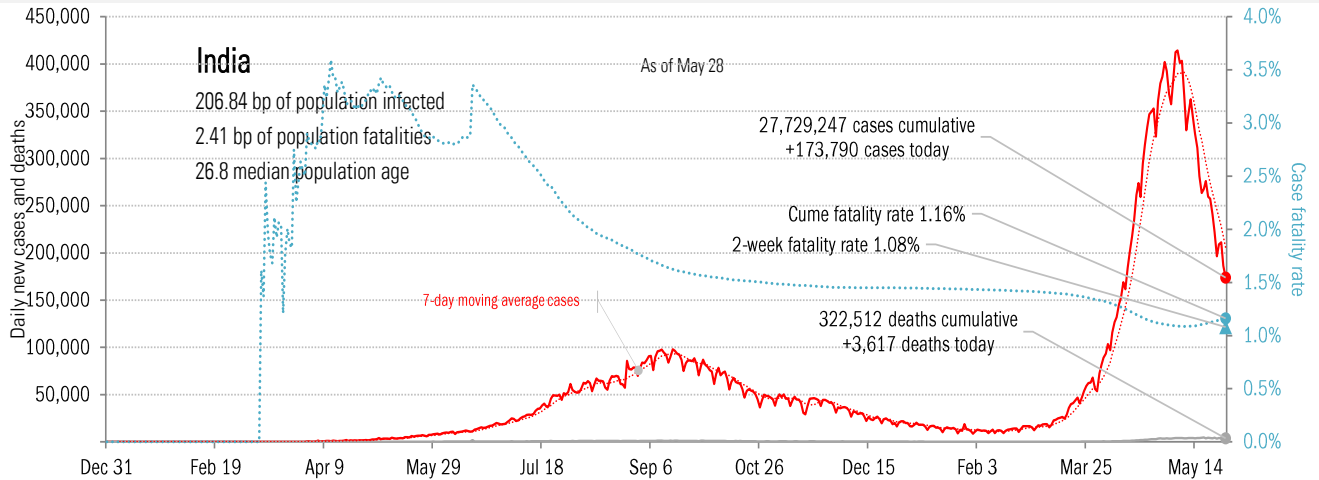
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



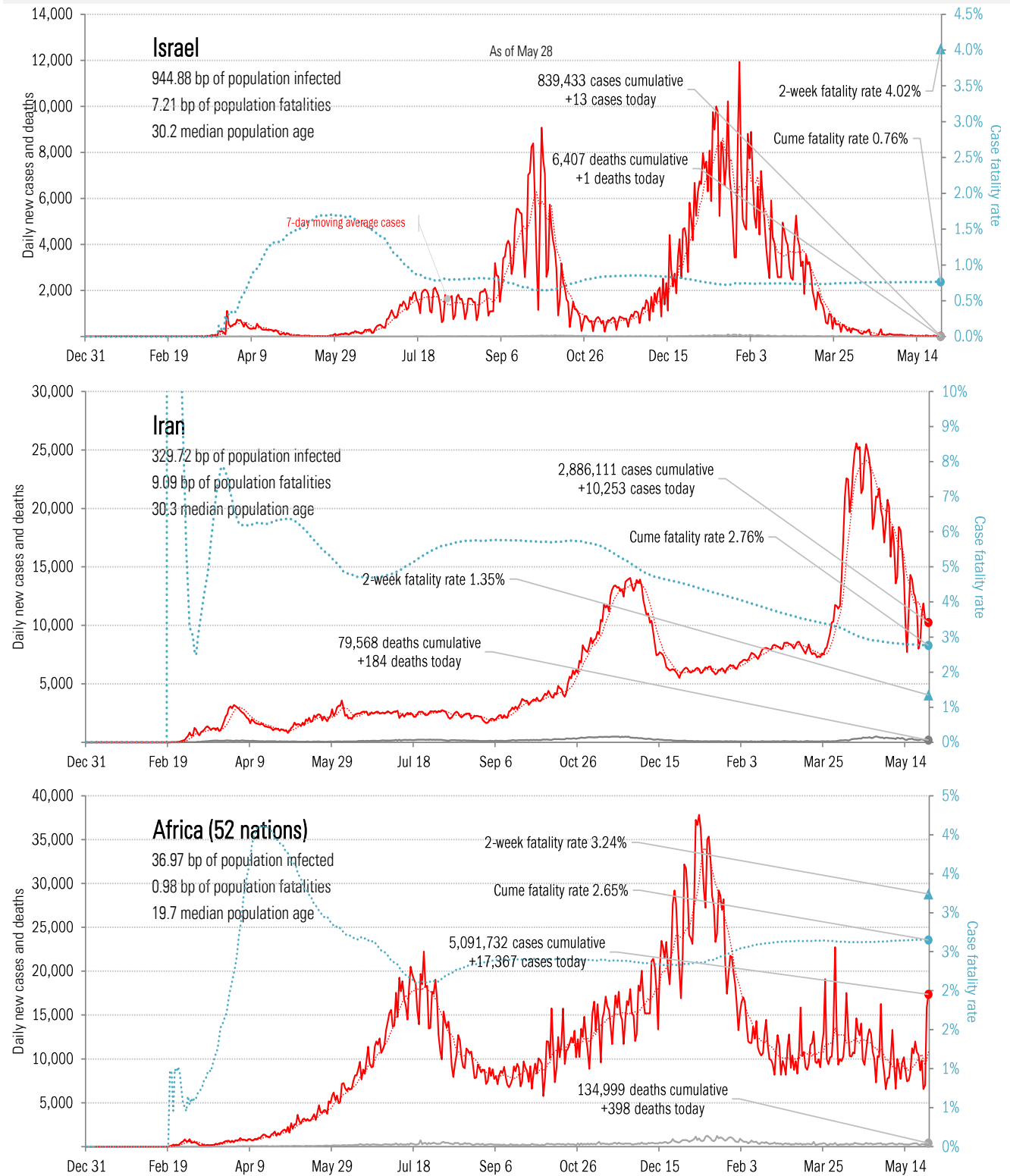
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



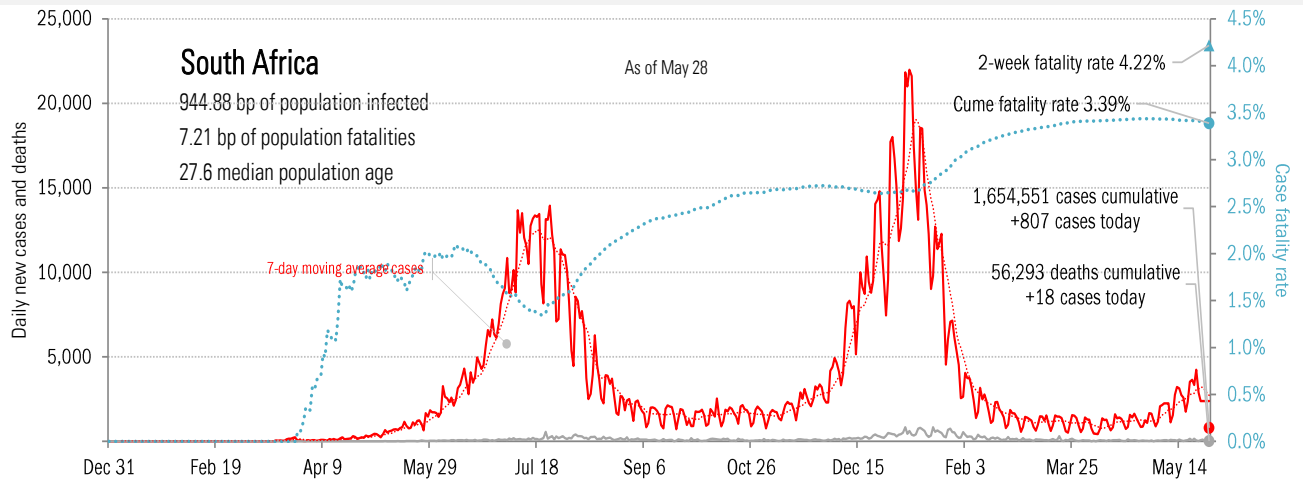
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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