

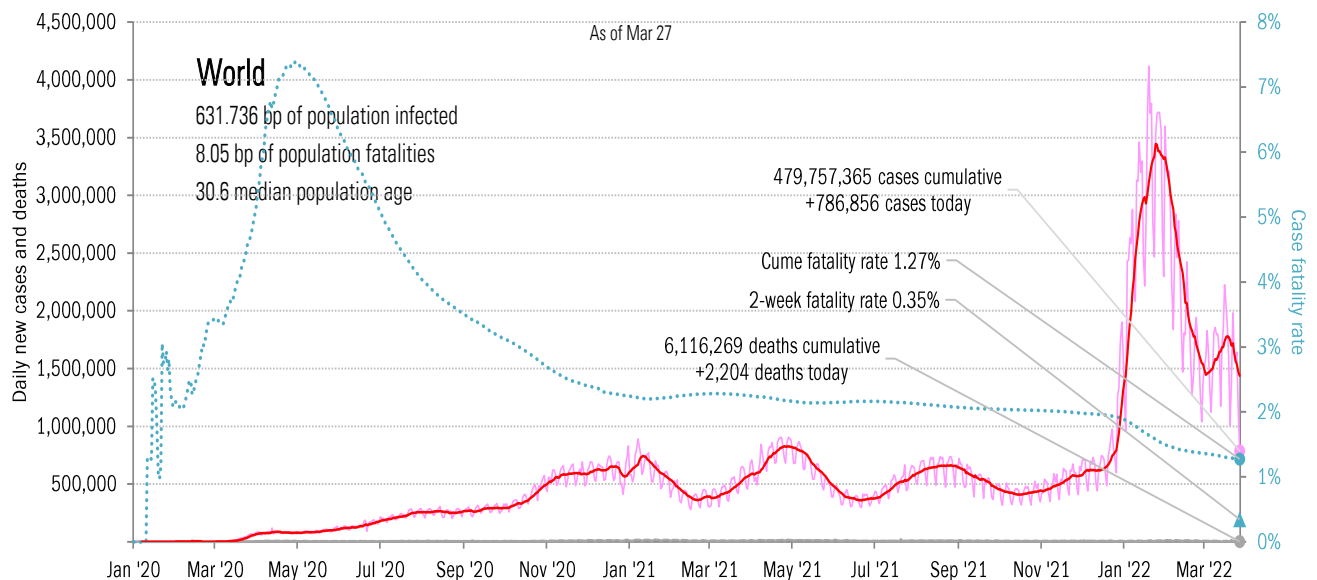
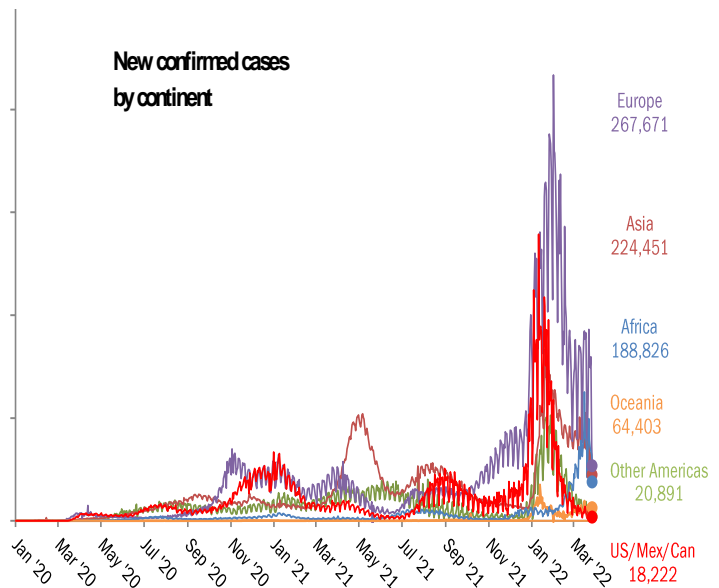
Data Insights: Covid-2019 Monitor

Monday, March 28, 2022

The global scorecard

Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Korea, South	187,213	Russia	328
France	110,174	Korea, South	287
Vietnam	91,916	Indonesia	227
Italy	60,612	Philippines	131
Australia	50,971	Mexico	116
Japan	43,220	Brazil	113
Netherlands	25,032	United States	96
Thailand	24,635	Chile	83
Russia	22,738	Italy	82
Israel	16,134	Thailand	81
632,645		1,544	
World	786,856	World	2,204
Top ten	80%	Top ten	70%



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

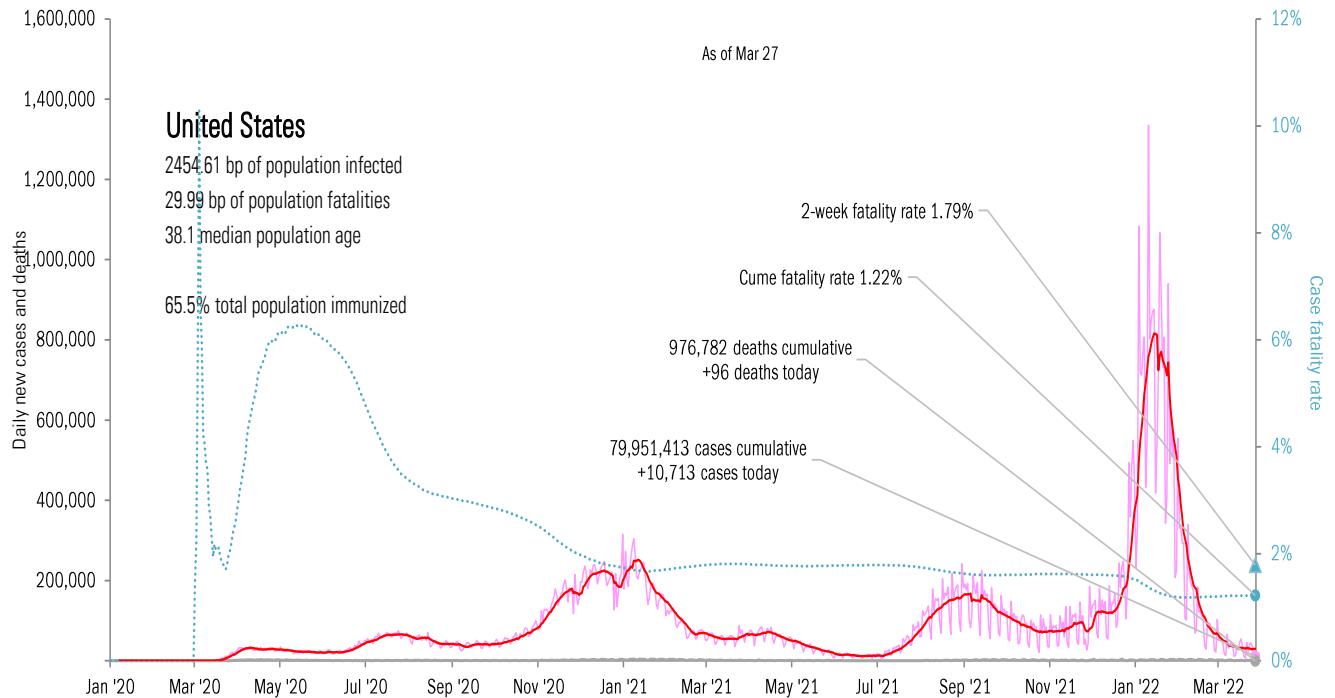
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	5,908		FL	46		TX	197		CA	9,089,859		CA	88,597		TX	486,459		RI	88%	TX	84%
FL	2,392		TX	24		GA	83		TX	6,726,810		TX	87,036		CA	421,835		MA	85%	NM	84%
NJ	941		NY	12		NY	102		FL	5,881,999		FL	73,107		FL	412,915		MN	83%	AL	81%
PA	403		DE	9		AZ	64		NY	4,983,164		NY	67,929		NY	244,352		WA	82%	WV	80%
TX	359		MD	2		MT	30		IL	3,061,224		PA	44,209		GA	206,419		MD	81%	VT	79%
FR	256		AR	1		NC	50		PA	2,779,049		CH	37,793		CH	189,859		WV	81%	AK	79%
MD	225		NJ	1		PA	60		CH	2,669,698		GA	36,771		PA	175,289		PA	80%	CK	78%
DE	189		PA	1		AL	25		NC	2,624,305		IL	35,740		IL	156,162		MO	80%	KY	78%
AR	38		AK	0		CA	174		GA	2,485,736		MI	35,572		MI	140,407		DC	80%	WA	77%
GU	2		AL	0		MI	63		MI	2,384,088		NJ	33,211		KY	132,438		GA	79%	RI	77%
10,713			96			848			42,685,932			539,965			2,566,135						
All states	10,713		96			1,696			All states	79,951,413		976,782			4,659,835			All states	70%	67%	
Top ten	100%		100%			50%			Top ten	53%		55%			55%			Median	74%	72%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-4,639	TX	-40	CK	-15	DE	+10 bp
CA	-957	PA	-27	WI	-14	ID	+10 bp
FR	-358	CA	-18	IN	-13	KS	+10 bp
PA	-257	NJ	-6	TN	-10	MD	+10 bp
IA	-230	AR	-5	FR	-8	NJ	+10 bp



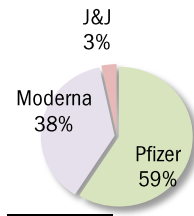
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	574,914,387		+0.086 million	US	65.5%	76.9%
Boosters	98,539,092		+0.033 million	UK	72.4%	77.4%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	262,929,883	79%	223,660,546	67%	+0.022 million	France 77.8% 80.1%
Age 12 to 17	17,521,048	69%	14,946,923	59%	+0.002 million	Spain 85.8% 88.0%
Age 18 to 64	177,143,907	87%	150,262,170	74%	+0.013 million	Germany 75.2% 75.9%
Age 65 and over	58,277,624	100%	50,477,777	92%	+0.002 million	Italy 79.2% 84.0%

Israel	66.0%	72.1%
Canada	81.8%	85.8%
Japan	79.8%	81.1%
Africa	14.9%	20.2%
India	59.3%	70.5%
Brazil	74.7%	84.5%
China	85.9%	88.3%

Global data differs due to sources, timing



State
At least partial immunity as % population
Full immunity as % population



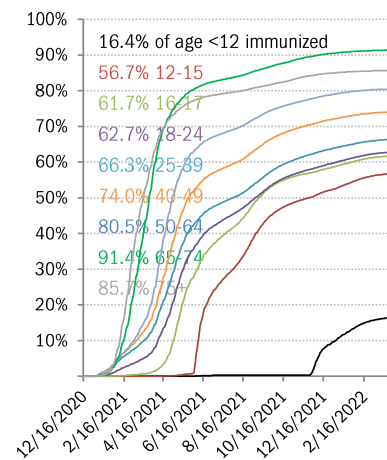
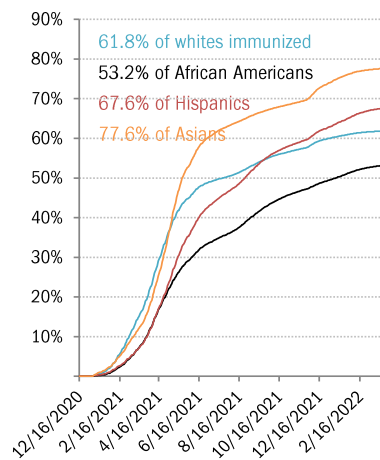
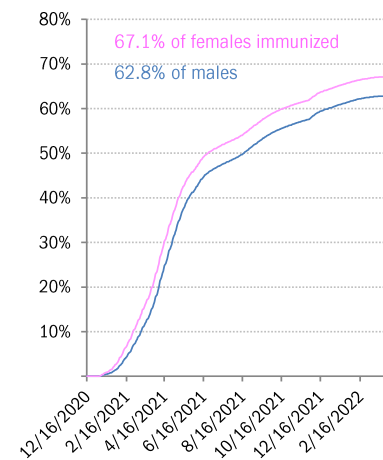
AK
69.2%
61.6%

Immunity = two doses

As of Mar 27

					WI					ME
					71.4%					89.4%
					65.0%					78.7%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.2%	60.7%	64.8%	64.6%	74.7%	76.4%	66.6%		89.5%	92.8%	88.2%
72.0%	53.6%	56.3%	54.6%	68.7%	68.2%	59.7%		76.1%	80.5%	68.2%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.4%	74.6%	58.3%	75.5%	67.6%	61.0%	63.2%	83.9%	89.6%	95.0%	
69.1%	60.2%	51.0%	60.4%	61.5%	54.5%	58.0%	67.5%	74.9%	78.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.5%	71.6%	78.8%	69.7%	65.7%	65.7%	64.5%	85.0%	85.6%	94.5%	95.0%
71.1%	63.7%	69.7%	62.9%	55.5%	57.0%	57.1%	72.5%	74.7%	78.3%	81.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.2%	86.7%	74.0%	66.1%	61.7%	83.0%	67.1%	95.0%	82.3%	
	60.9%	70.3%	60.8%	53.9%	54.0%	59.8%	56.5%	72.8%	68.3%	
			OK	LA	MS	AL	GA			
			70.4%	60.7%	59.2%	62.2%	64.8%			
			56.5%	53.1%	51.4%	50.6%	54.1%			
			TX					FL		PR
			72.0%					78.6%		95.0%
			60.7%					66.4%		82.1%

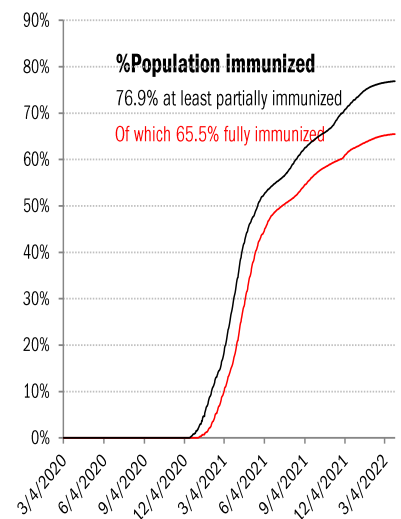
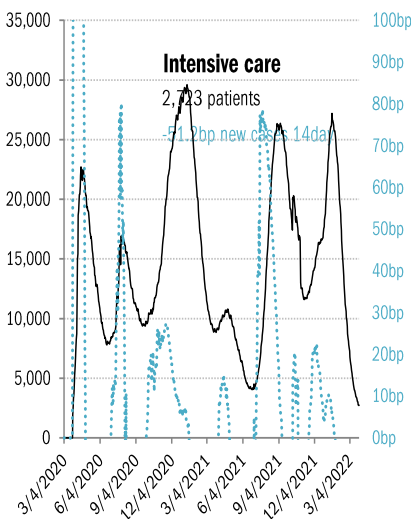
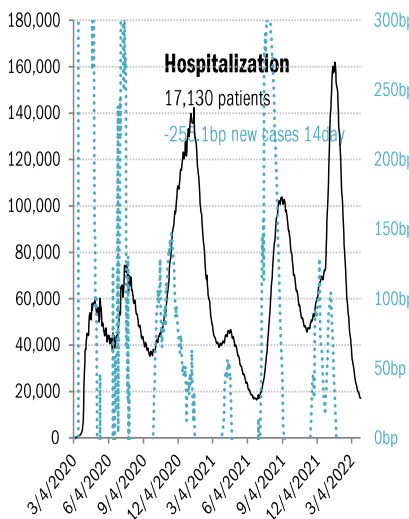
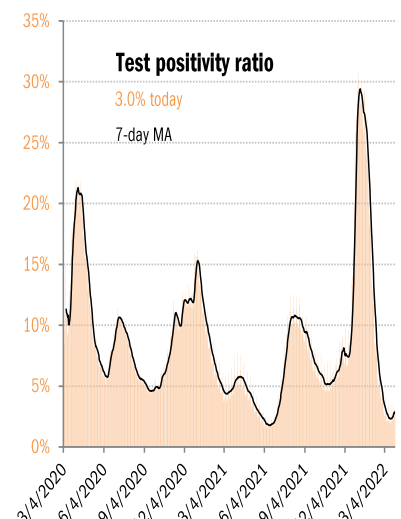
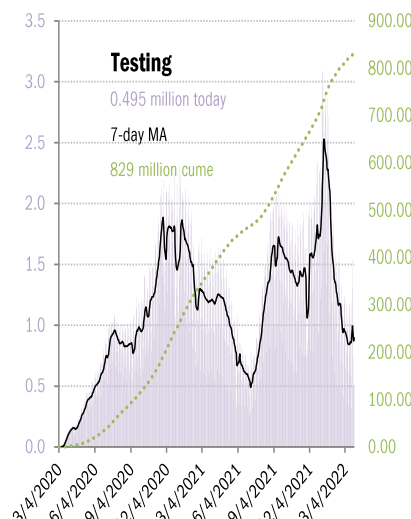
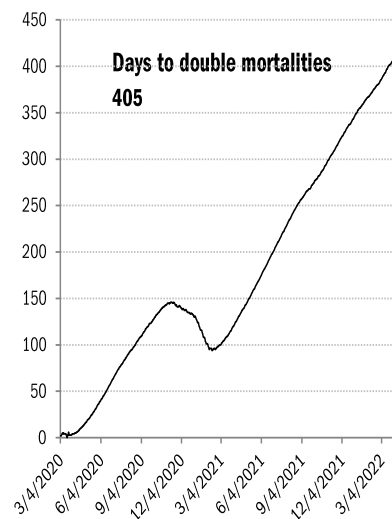
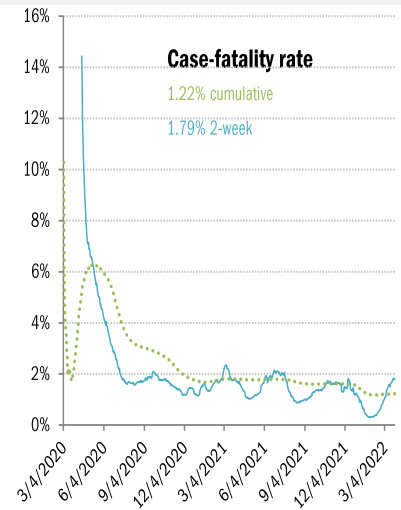
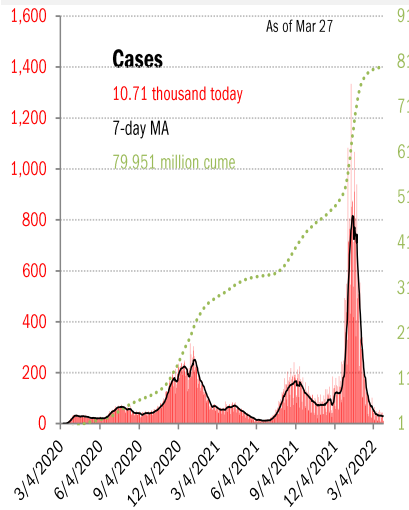
The demographics of US vaccination



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

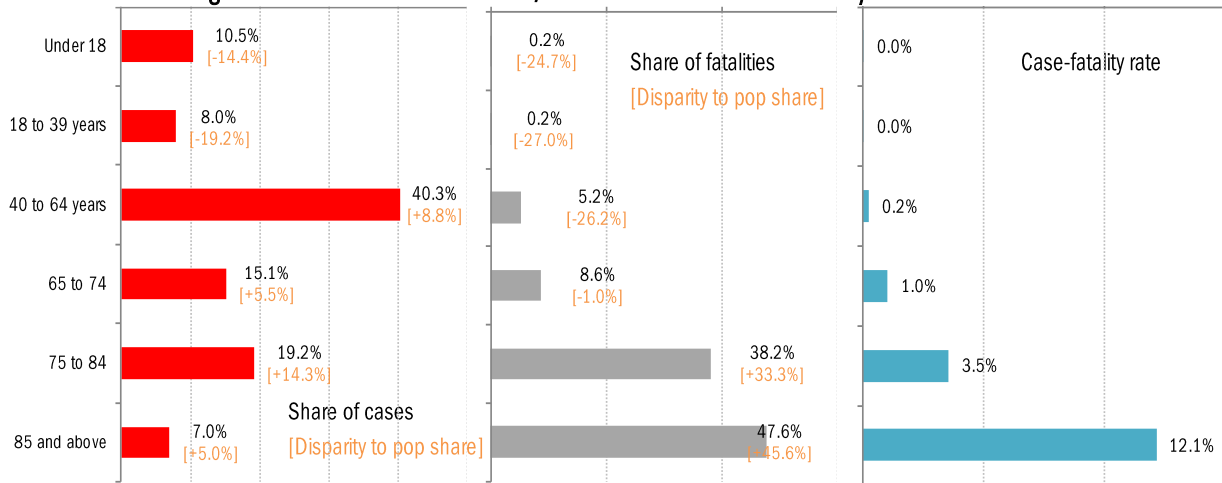
US deep-dive

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

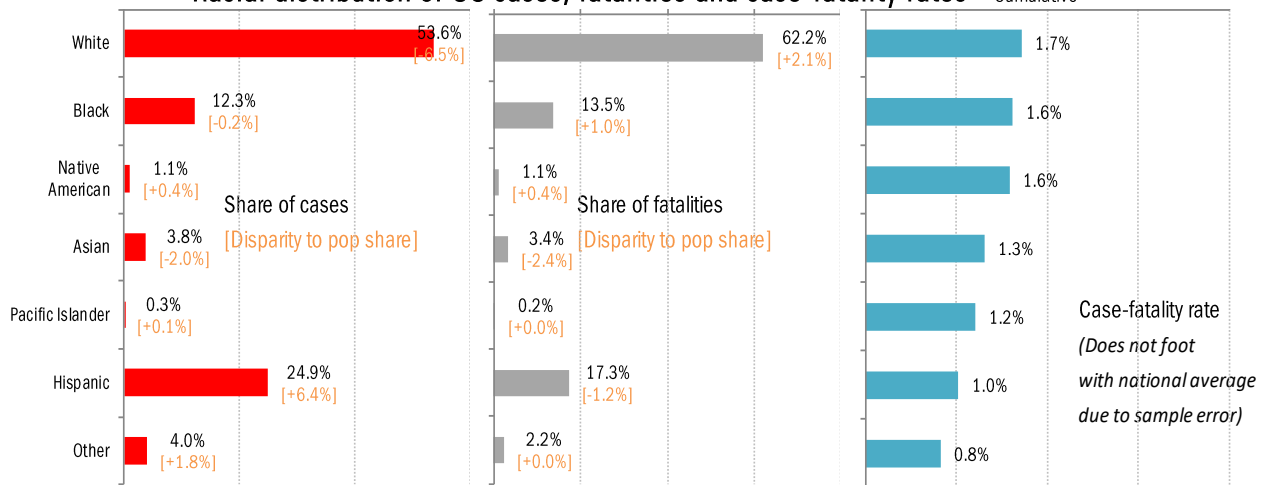


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

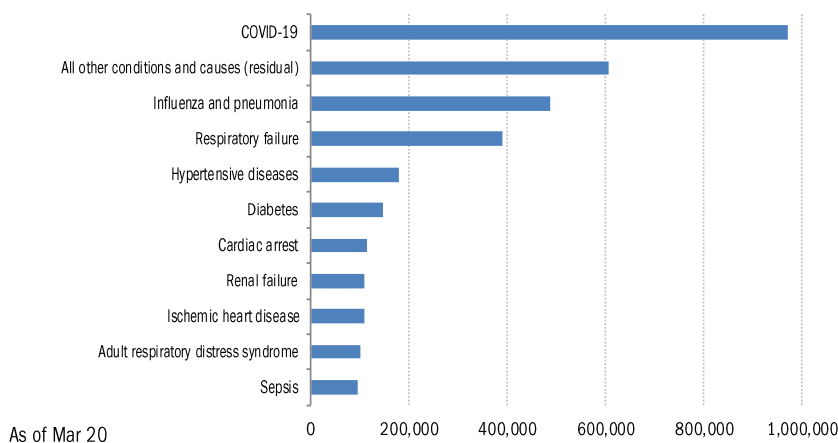


Racial distribution of US cases, fatalities and case-fatality rates



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

[If no one else is wearing a mask, should you?](#)

Meryl Davids Landau
National Geographic
March 24, 2022

[Africa's Low Vaccination Rates Should Concern Everyone](#)

John Nkengasong
New York Times
March 27, 2022

[Three Habits My Family Started In the Pandemic That We Want to Keep](#)

Tish Harrison Warren
New York Times
March 27, 2022

[Concerns rise as a U.S. reimbursement fund for testing and treating the uninsured for the virus stops taking claims.](#)

Ellen Barry
New York Times
March 28, 2022

[\\$6.6M on a golf course, \\$140M on a luxury hotel, \\$2M on a ski slope and cash for sports stadiums: How local governments wasted some of the \\$350 BILLION in COVID relief from Biden's American Rescue Plan](#)

Morgan Phillips
Daily Mail
March 23, 2022

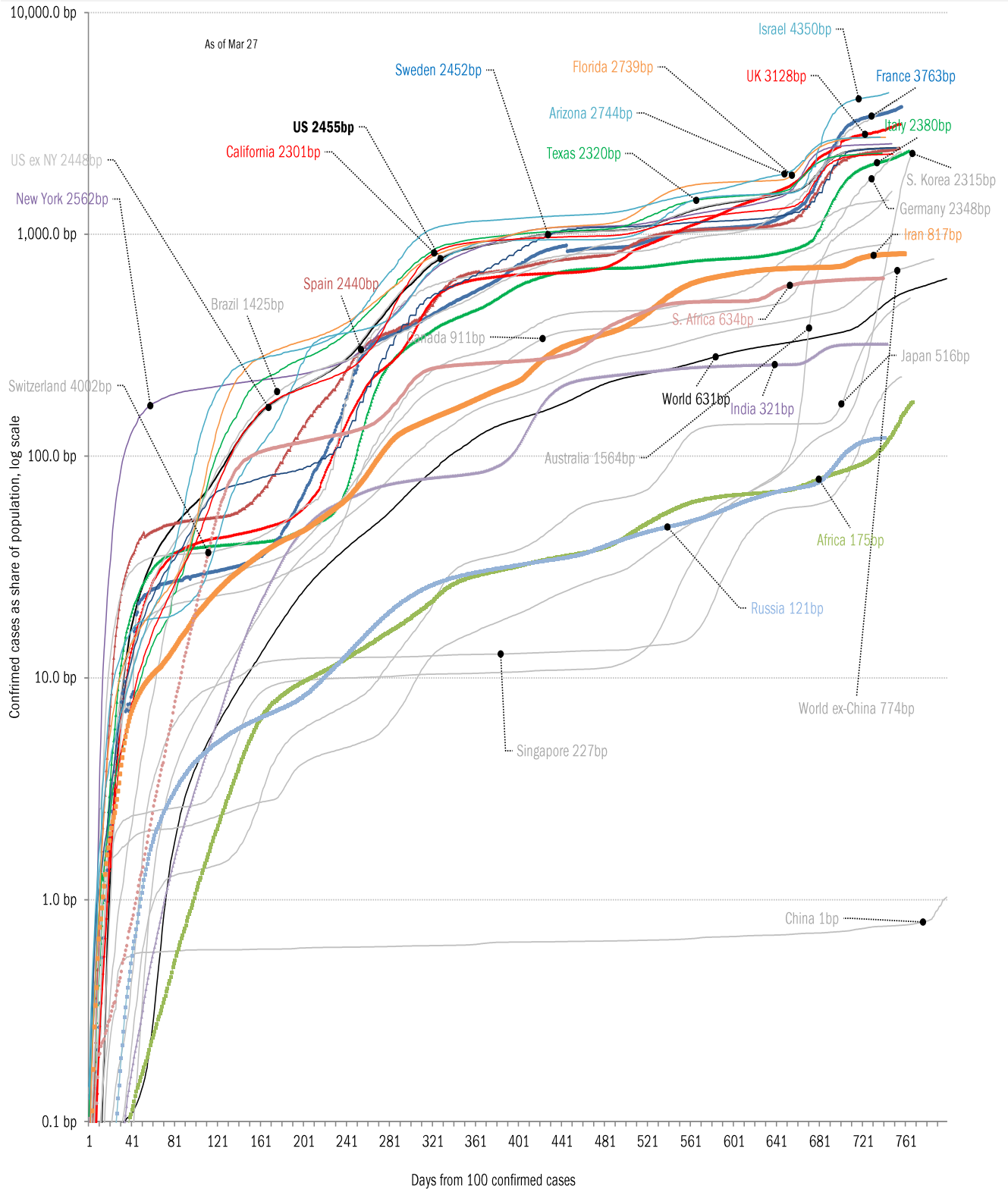
Meme of the day



Ancestor That Fought In World War 2 Looks Down And Sees Descendant Publicly Kissing With A Mask On

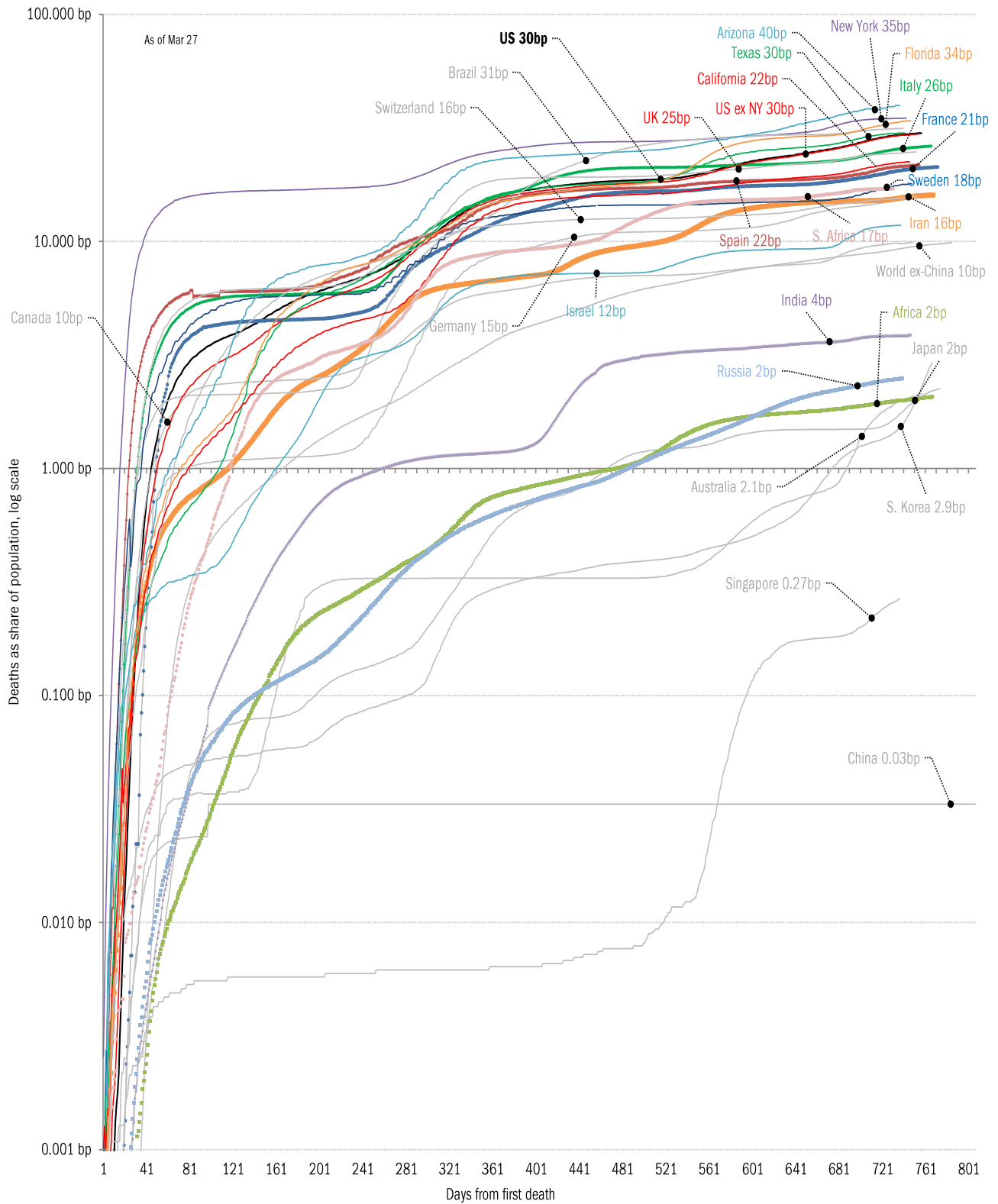
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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, log scale

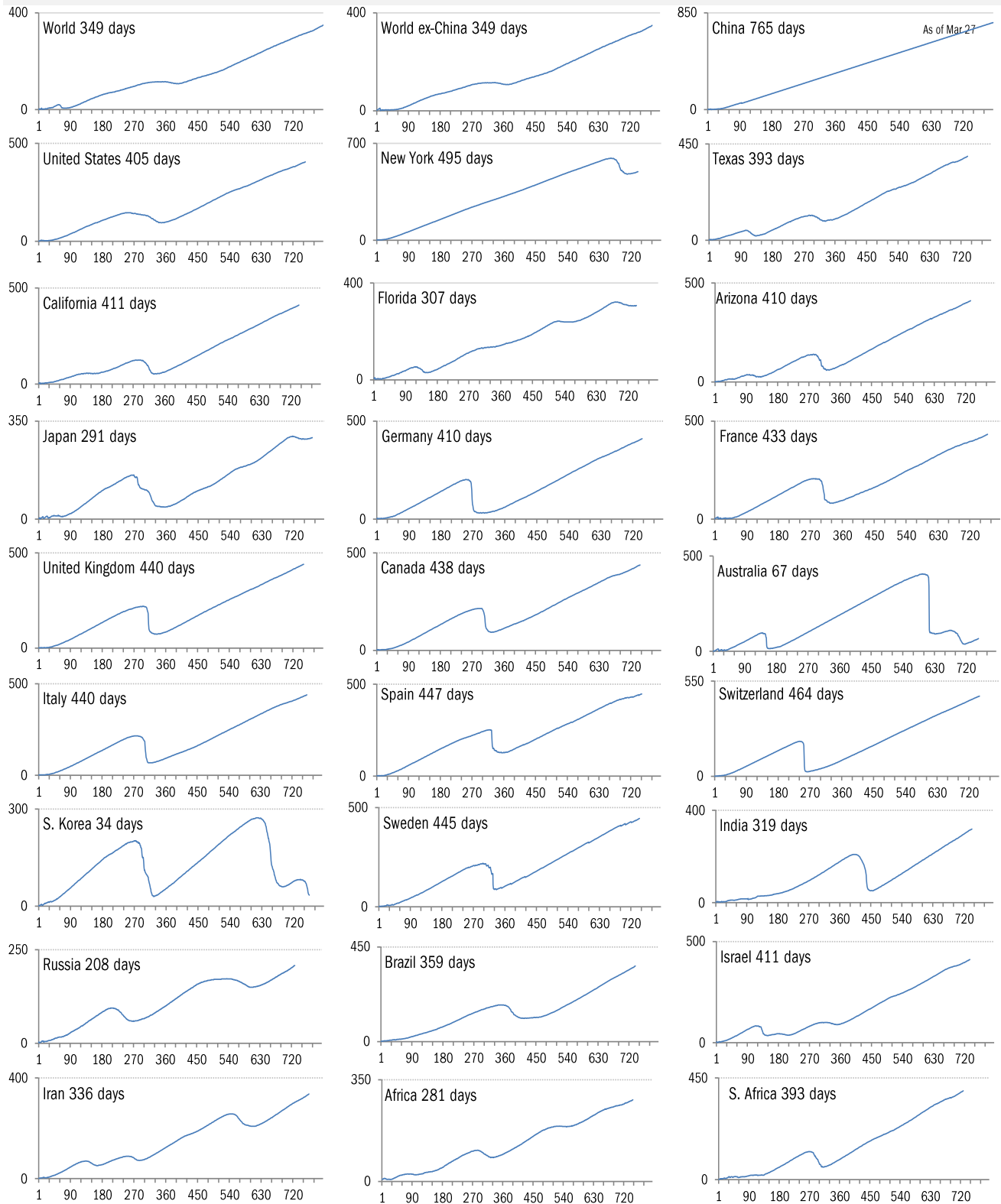


Source: [Johns Hopkins](#), TrendMacro calculations

"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

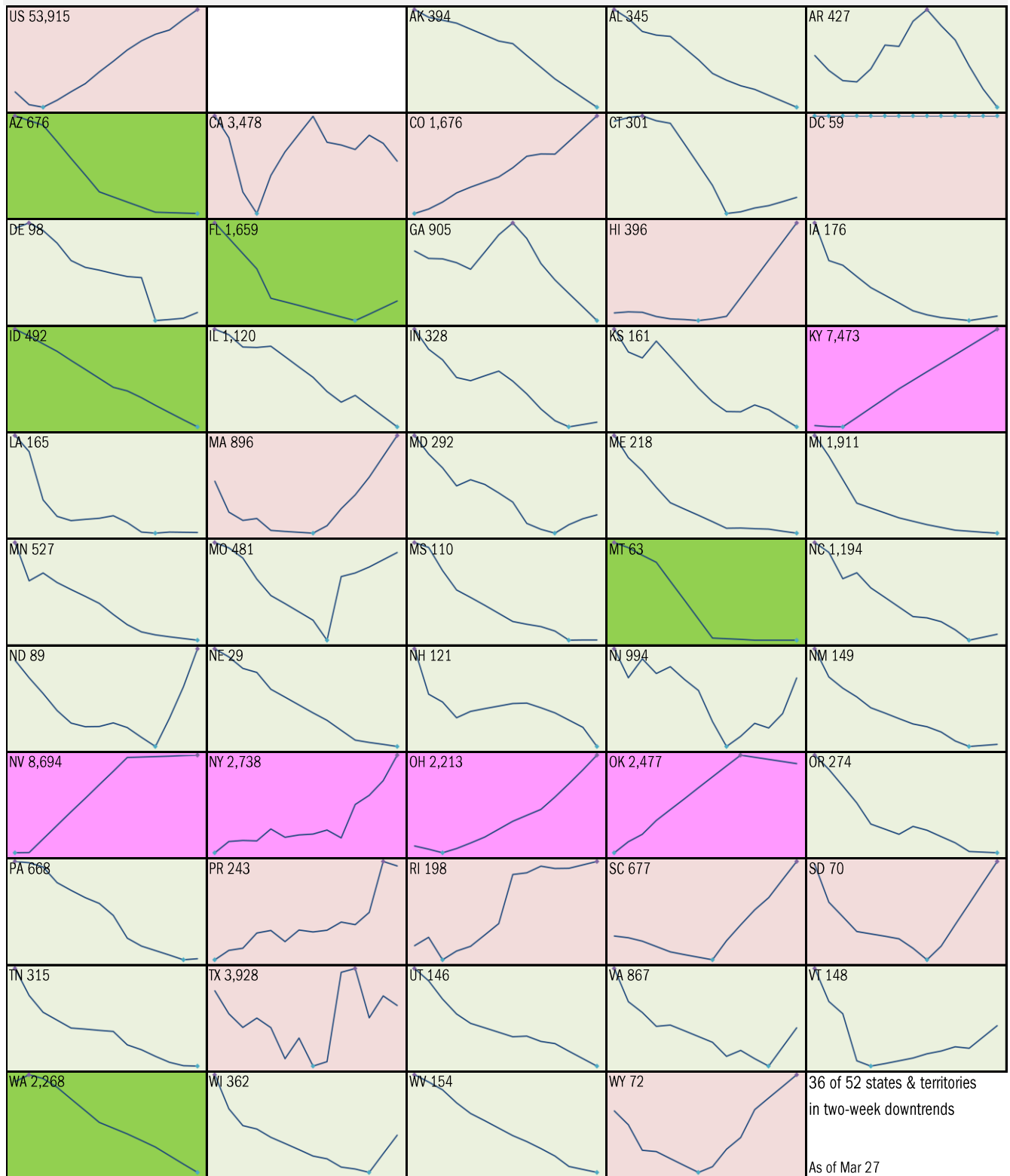


Source: [Johns Hopkins](#), TrendMacro calculations

14-day 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

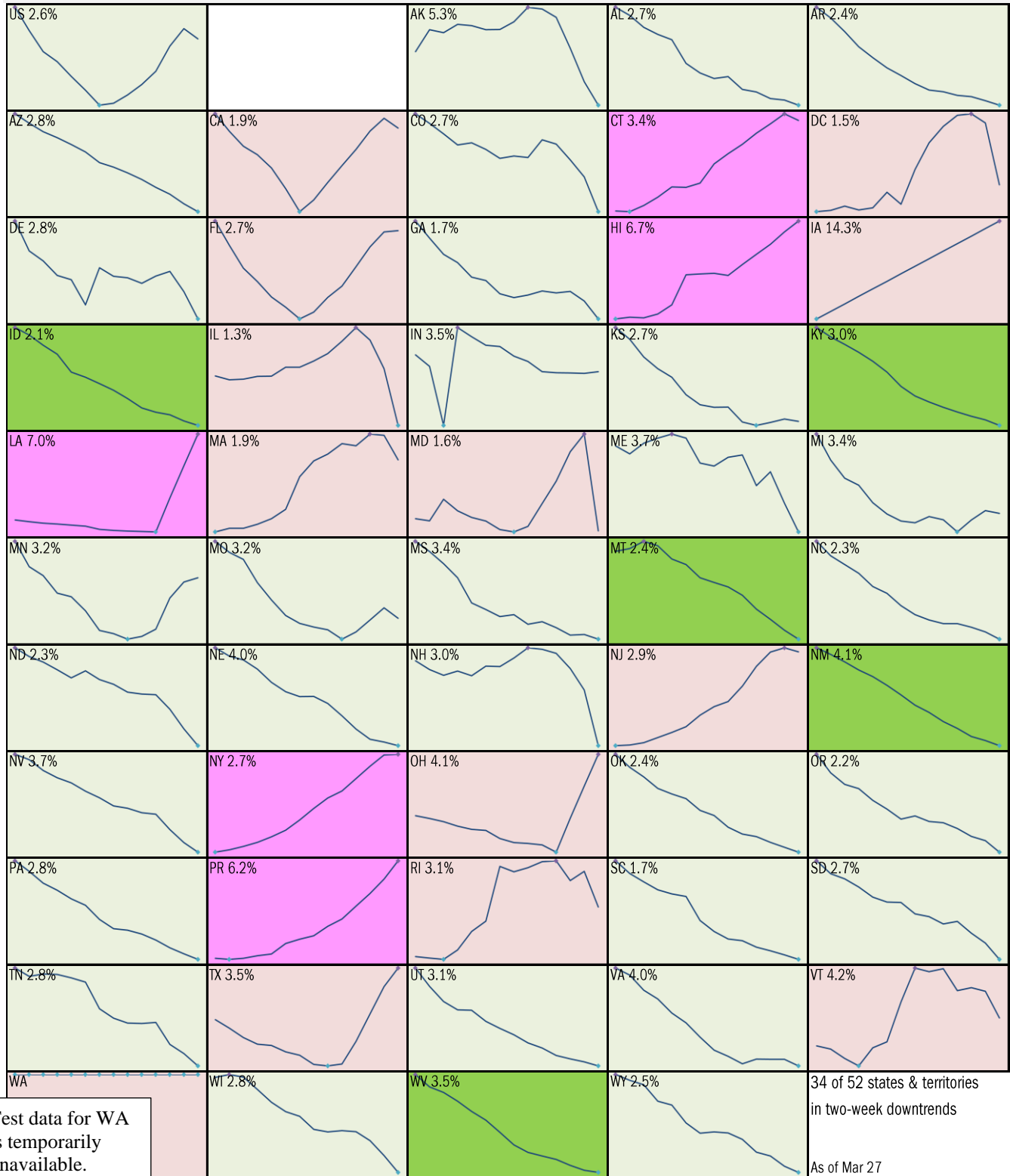


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in **test-positivity ratio**

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

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



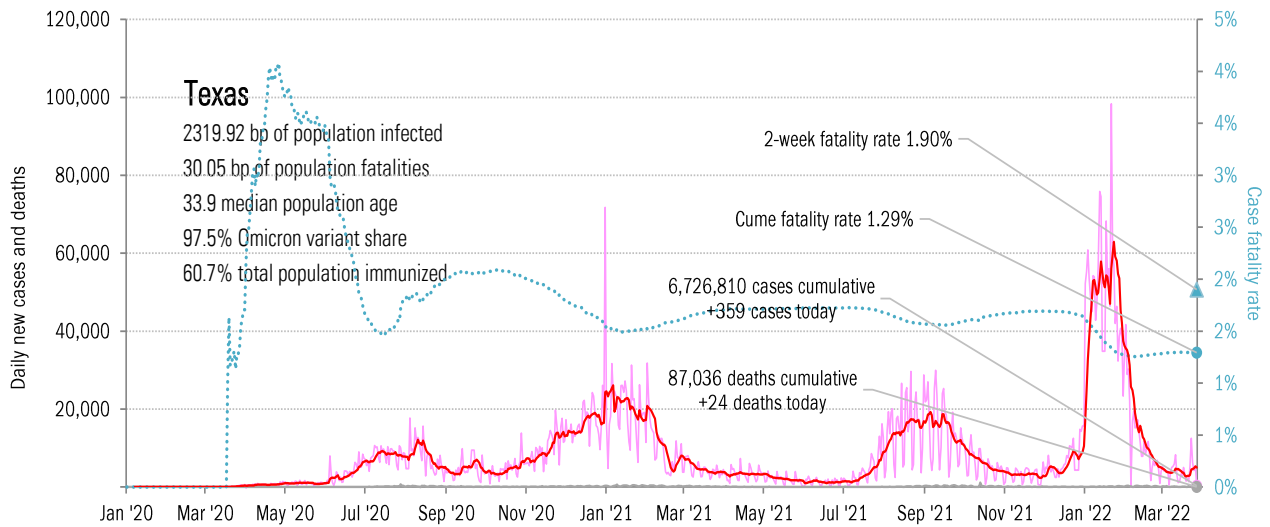
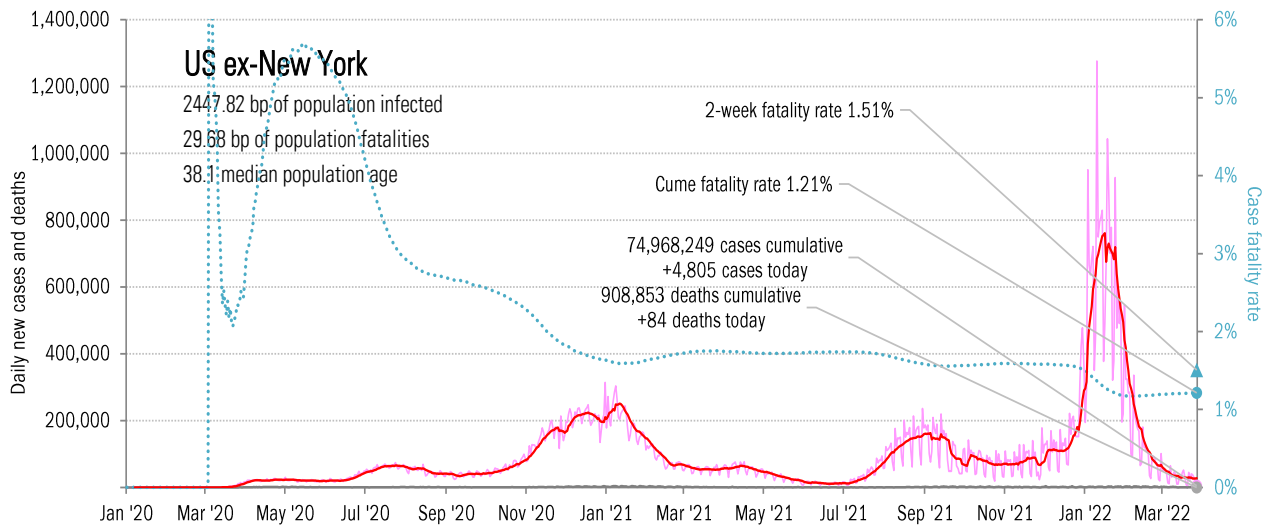
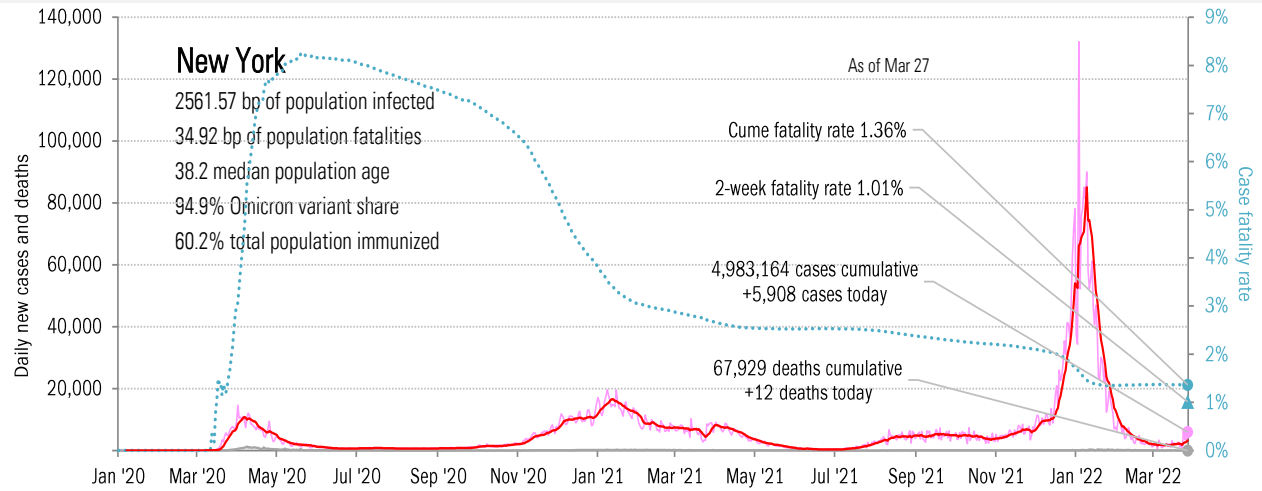
Test data for WA is temporarily unavailable.

34 of 52 states & territories in two-week downtrends
As of Mar 27

Source: [Covid Act Now](https://www.covidactnow.com), TrendMacro calculations

From Ground Zero to the Rio Grande

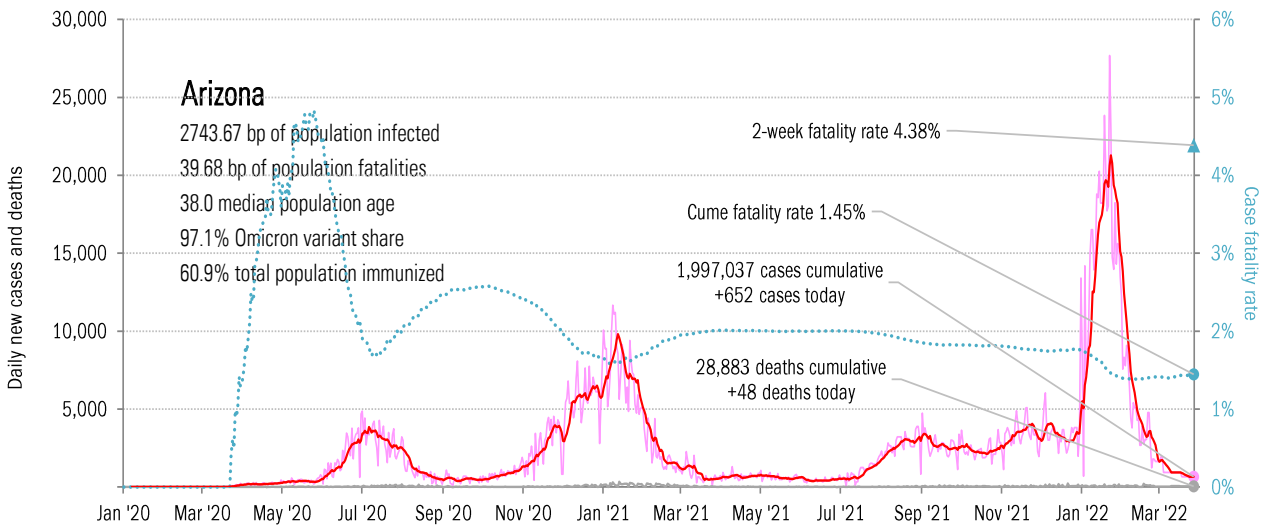
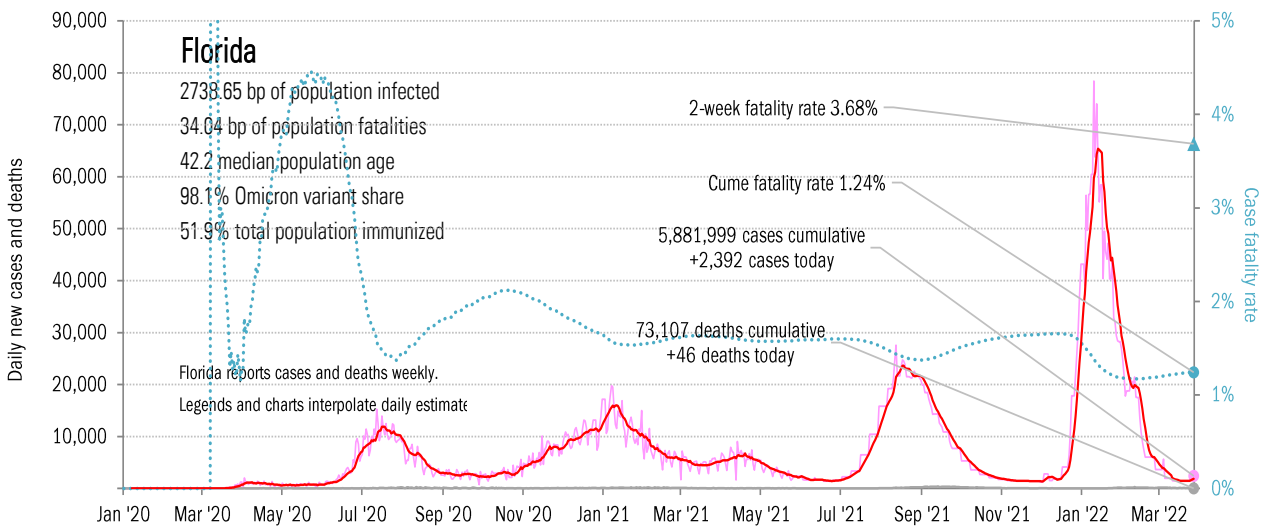
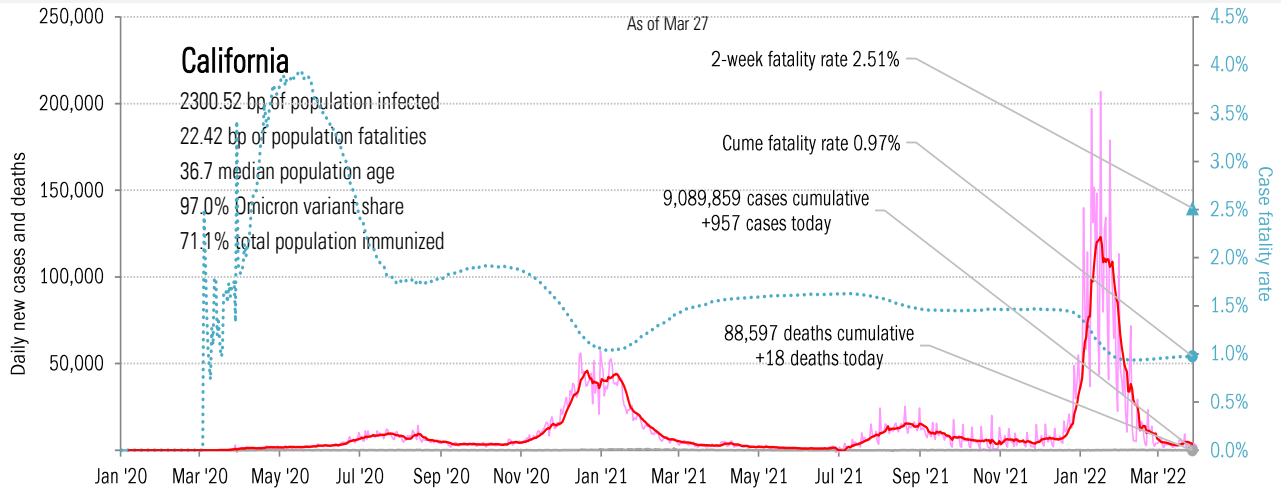
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

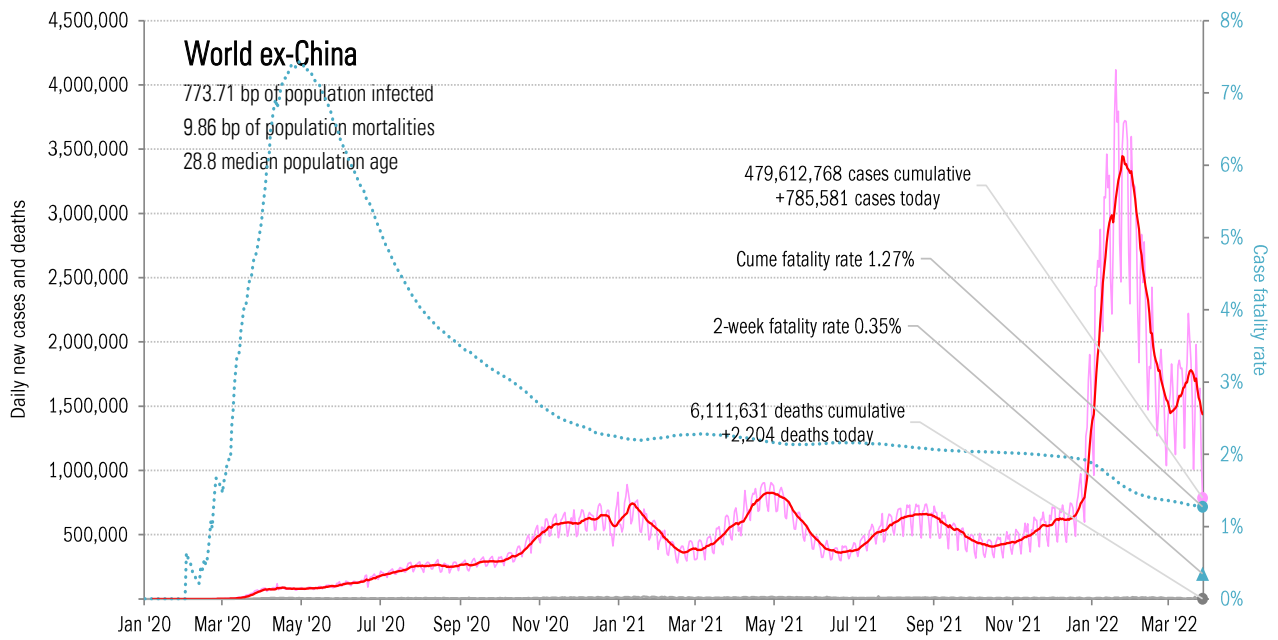
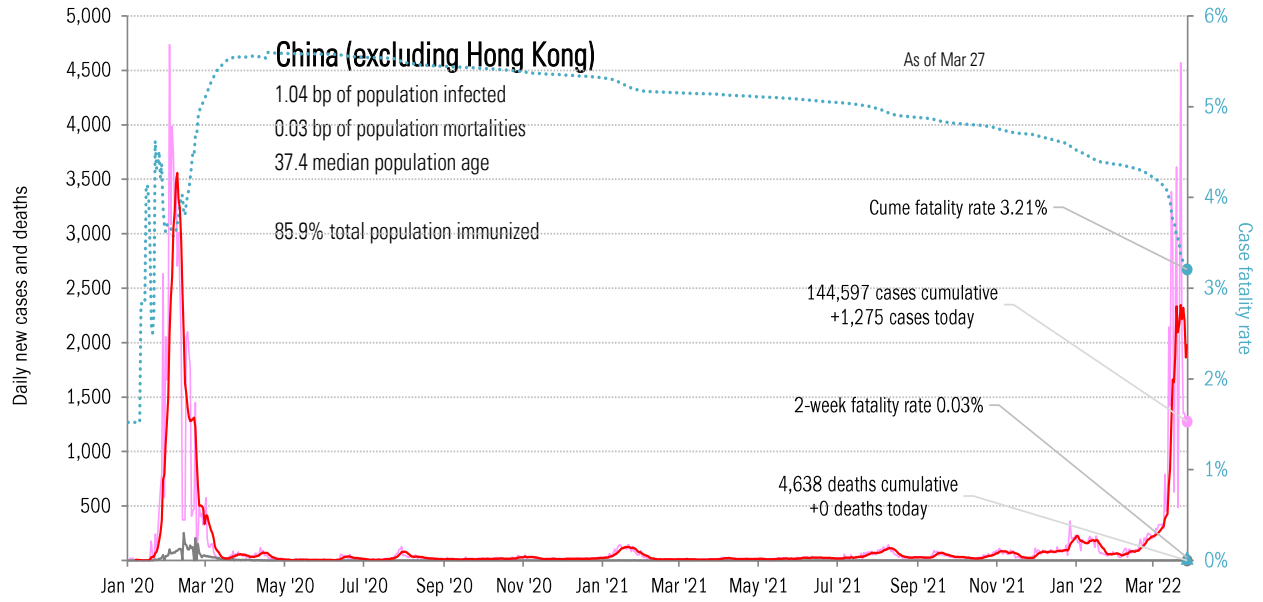
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

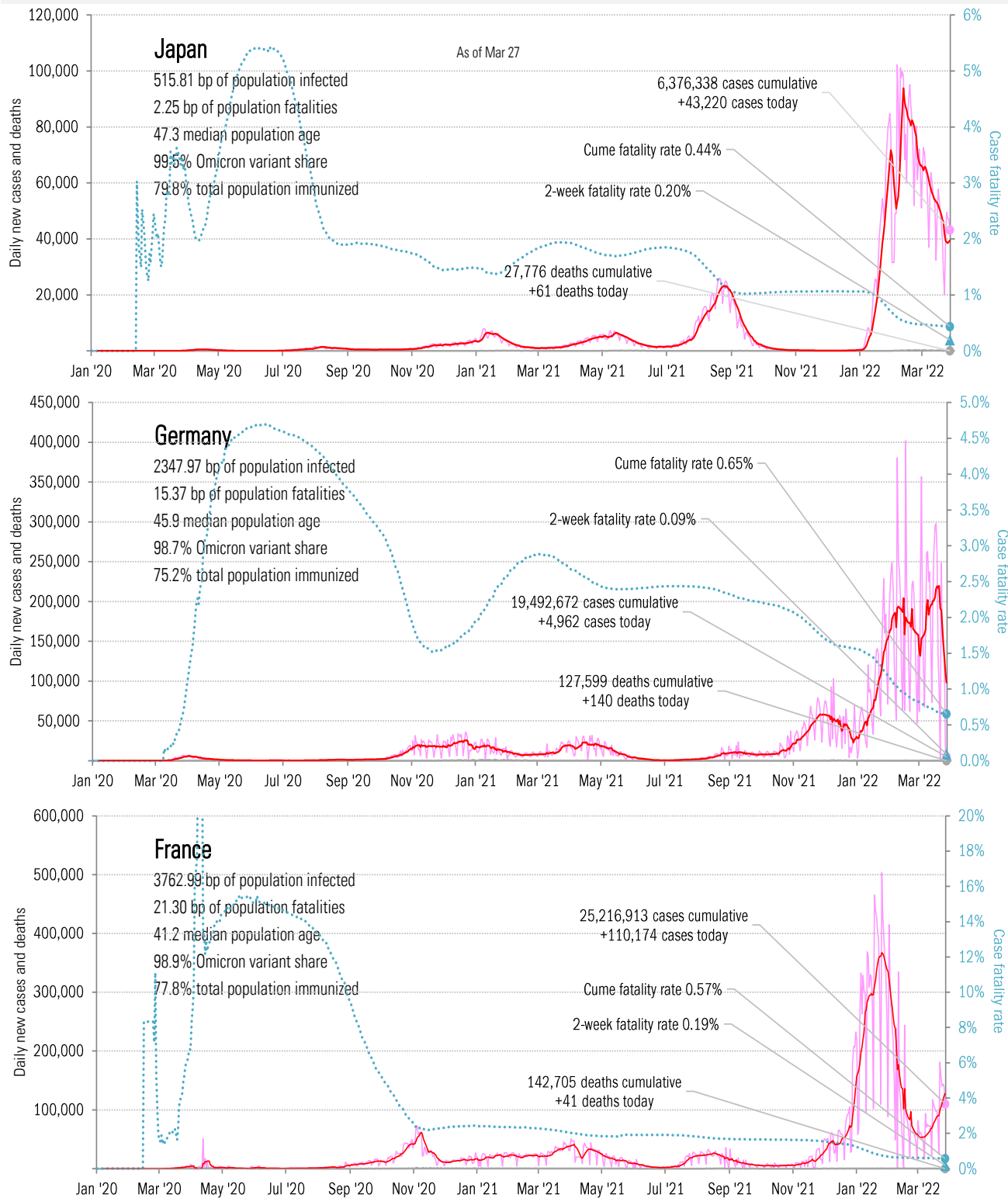
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

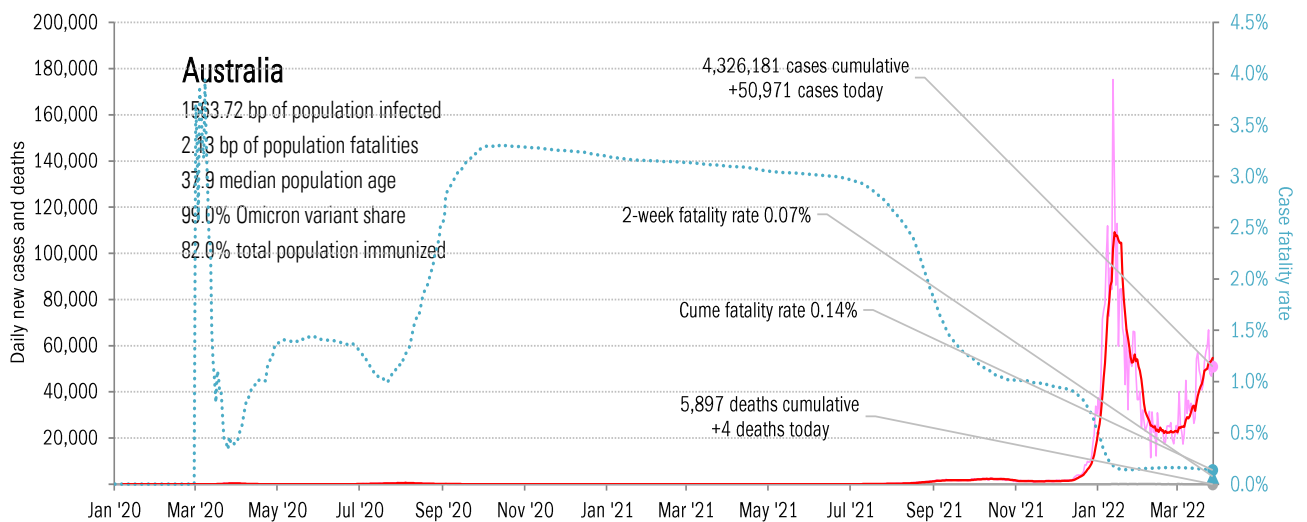
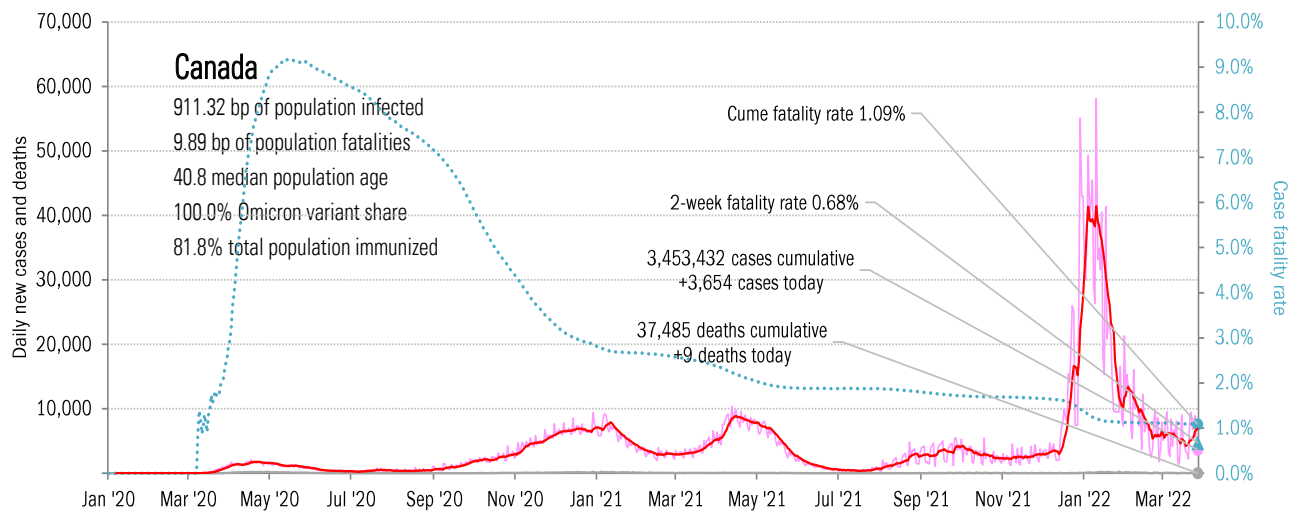
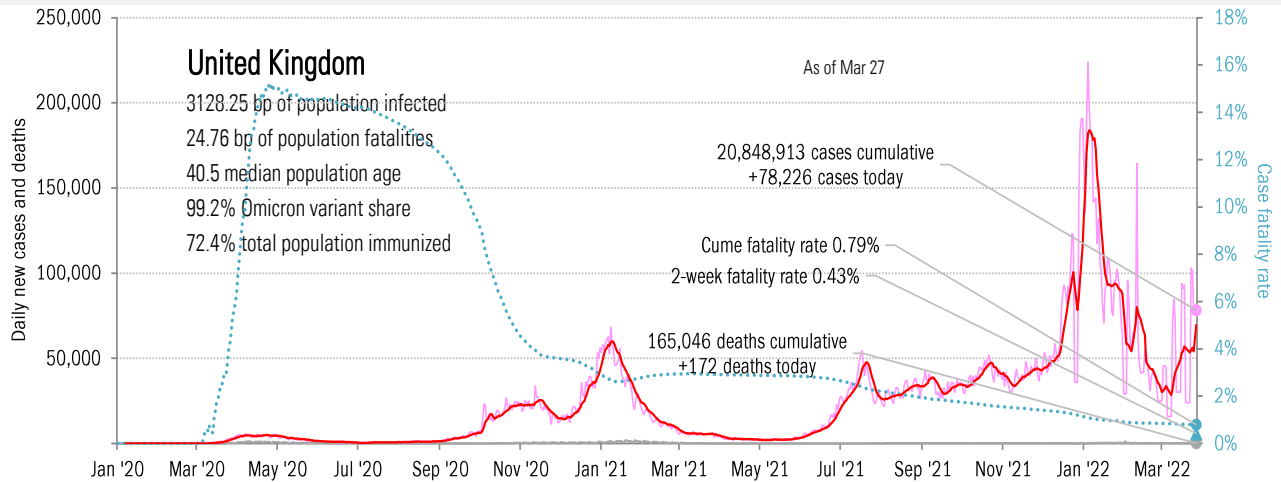
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

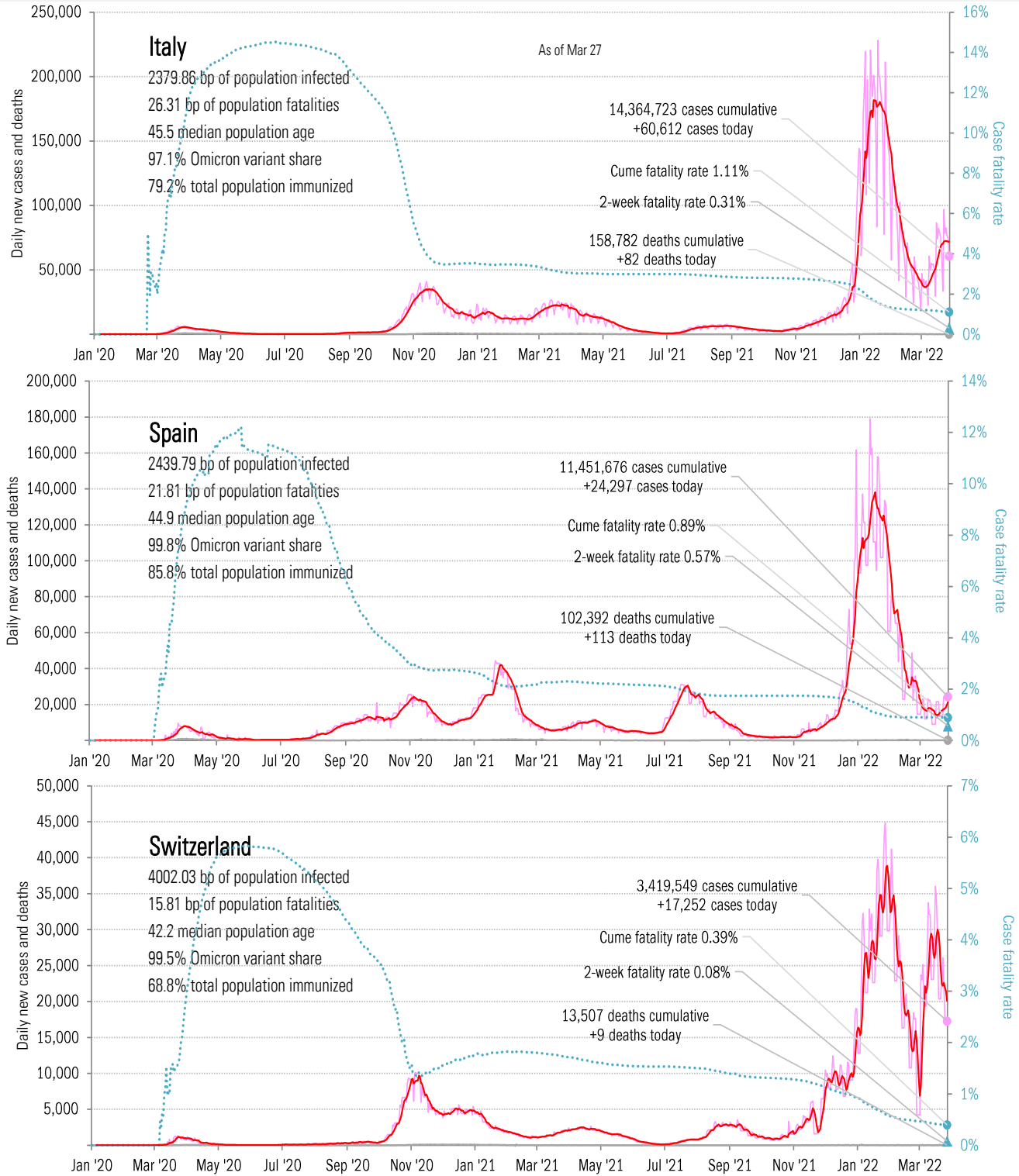
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

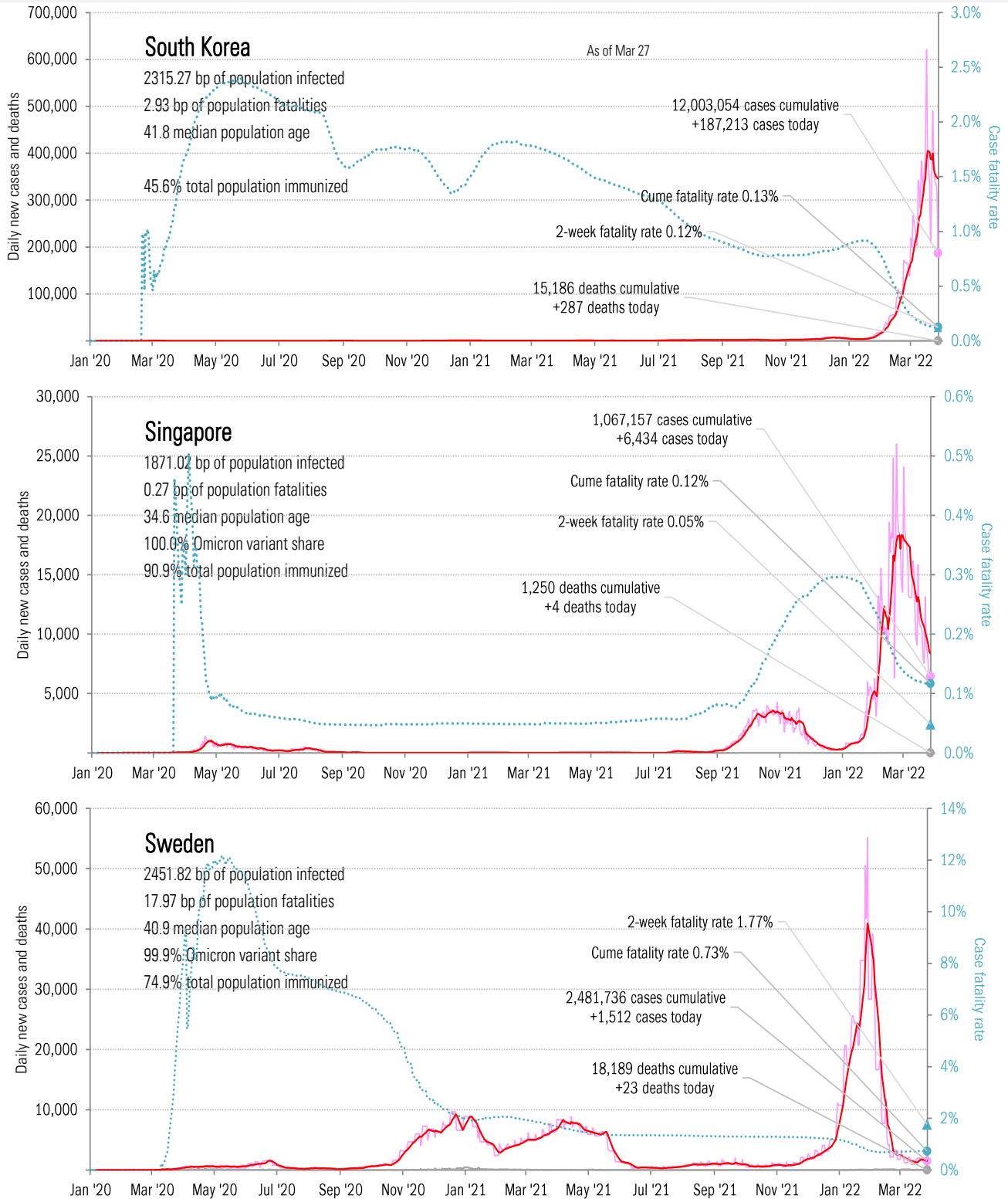
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

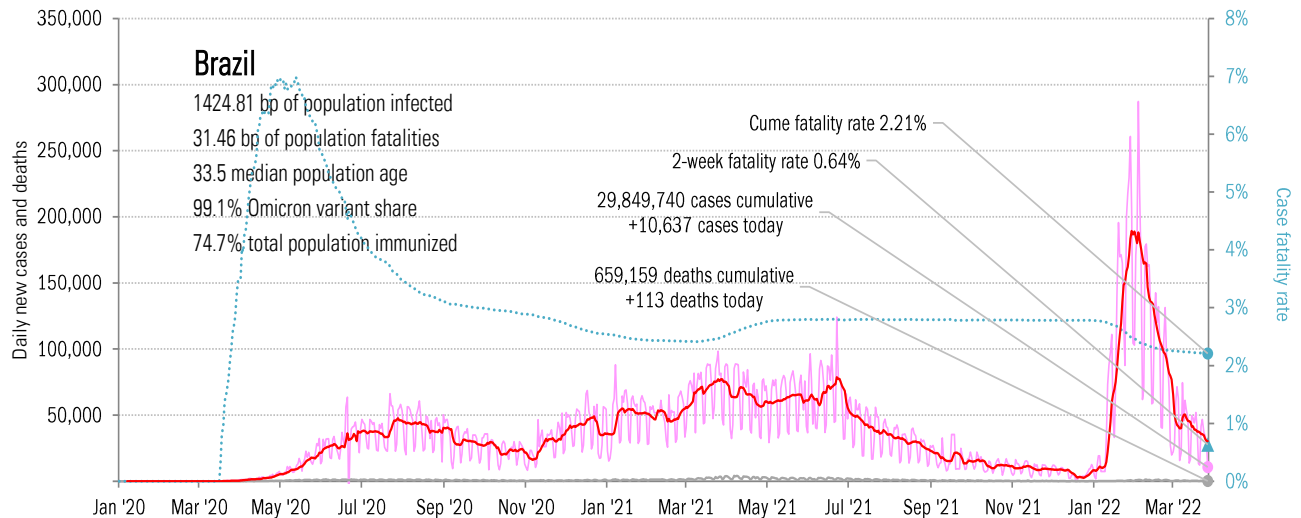
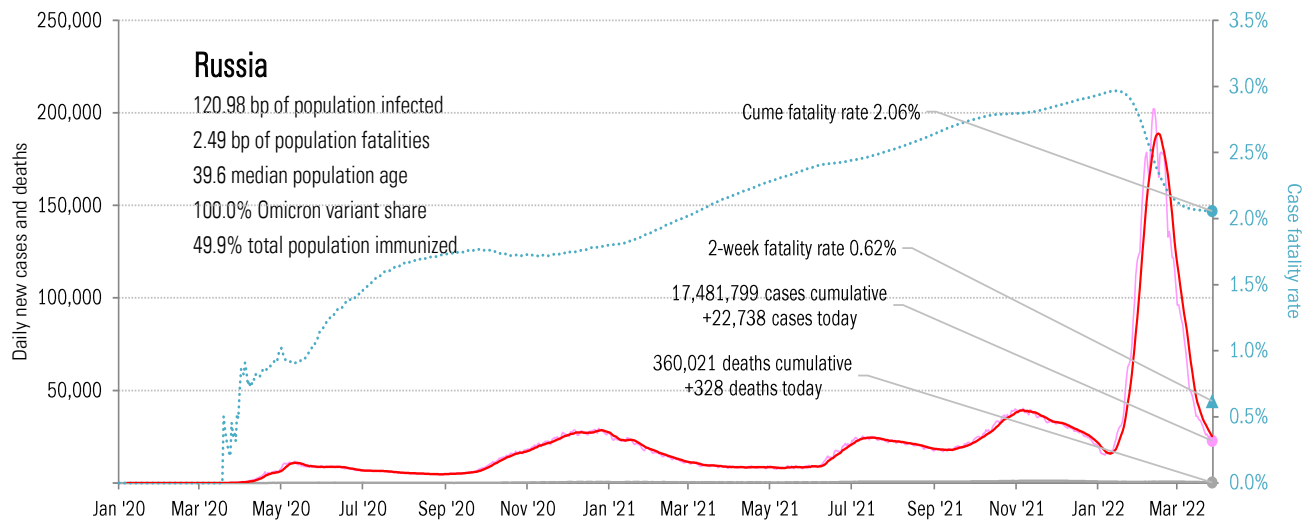
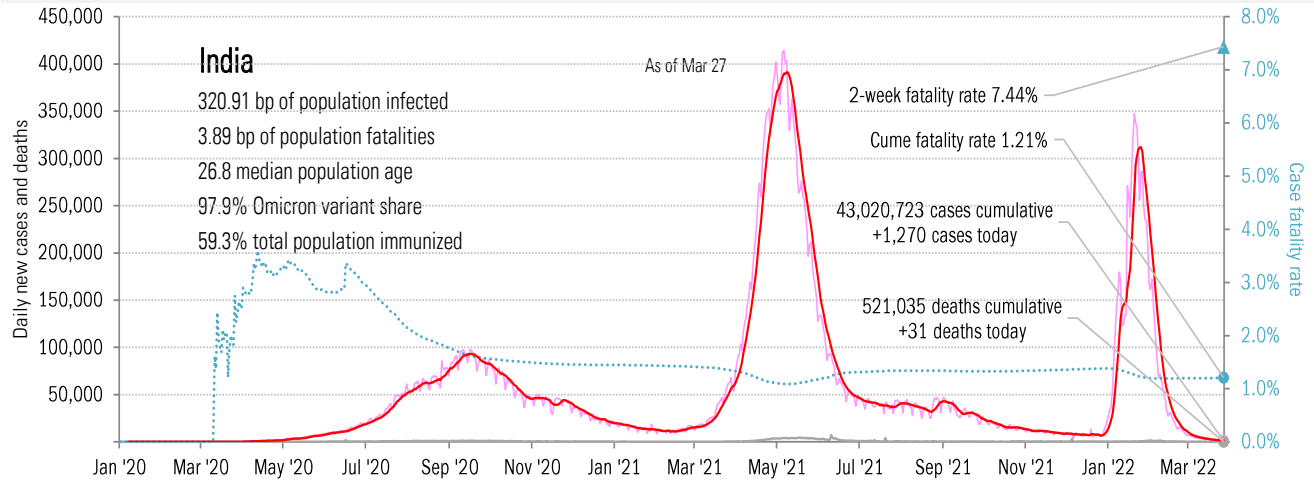
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

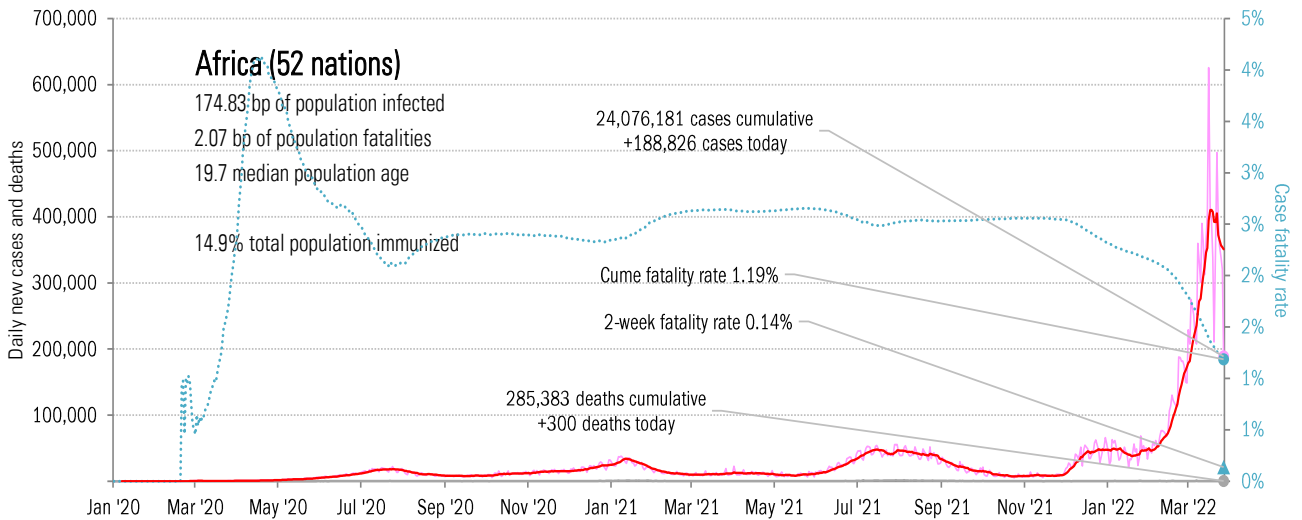
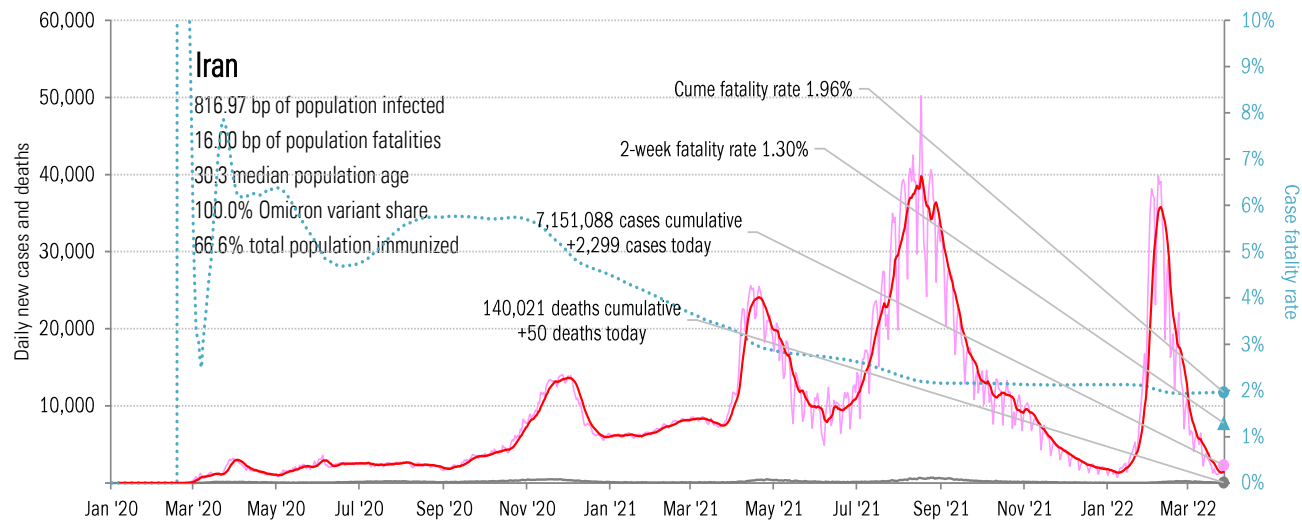
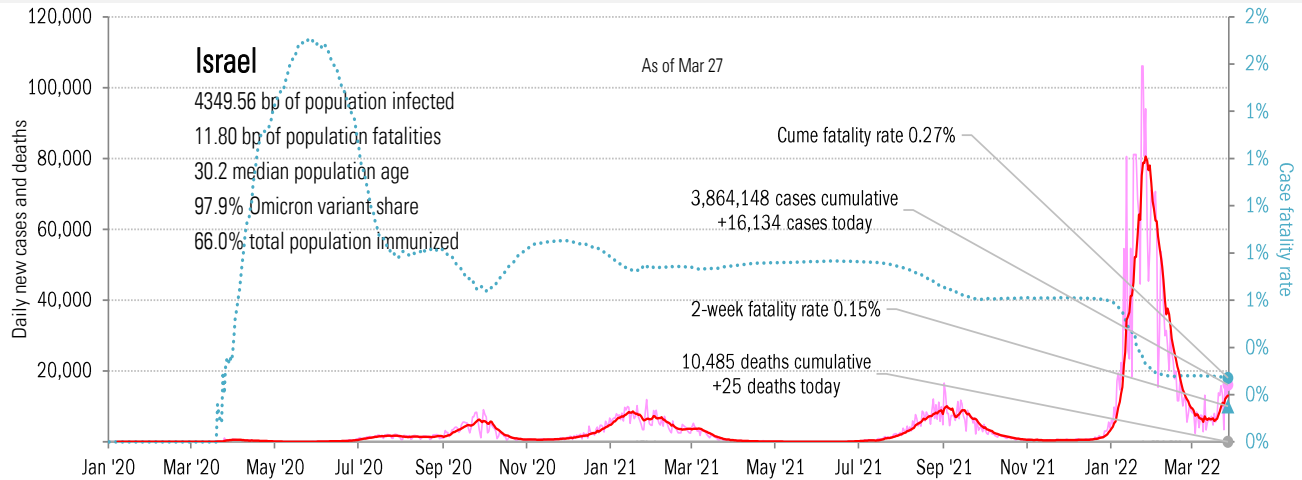
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

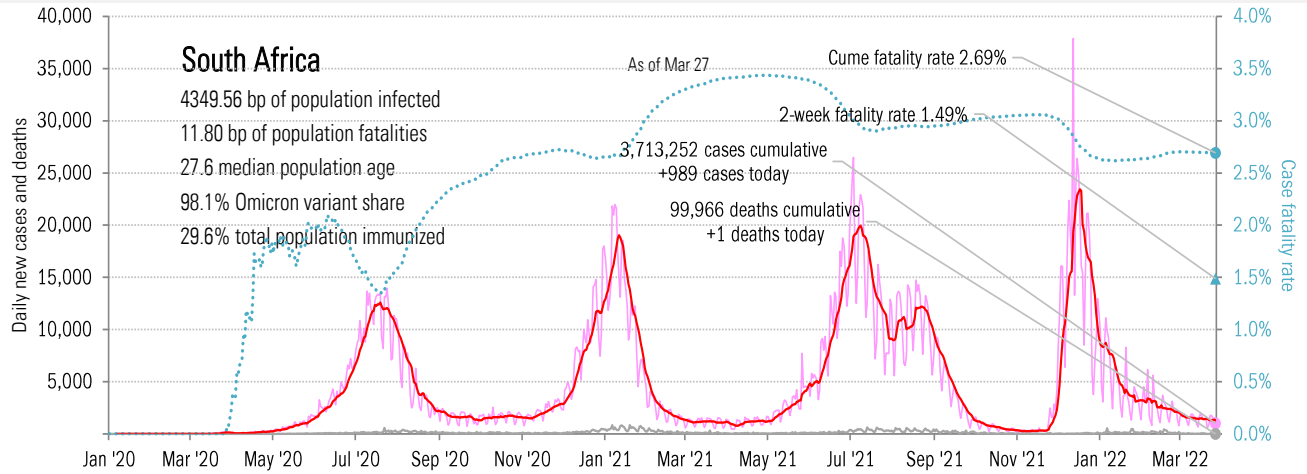
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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