

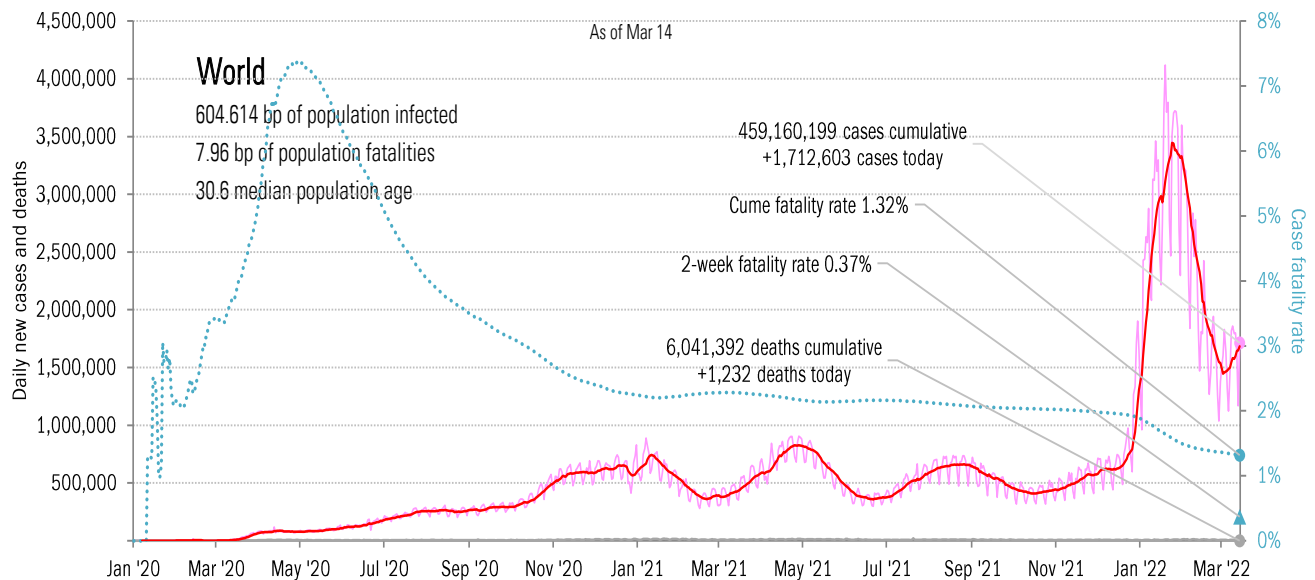
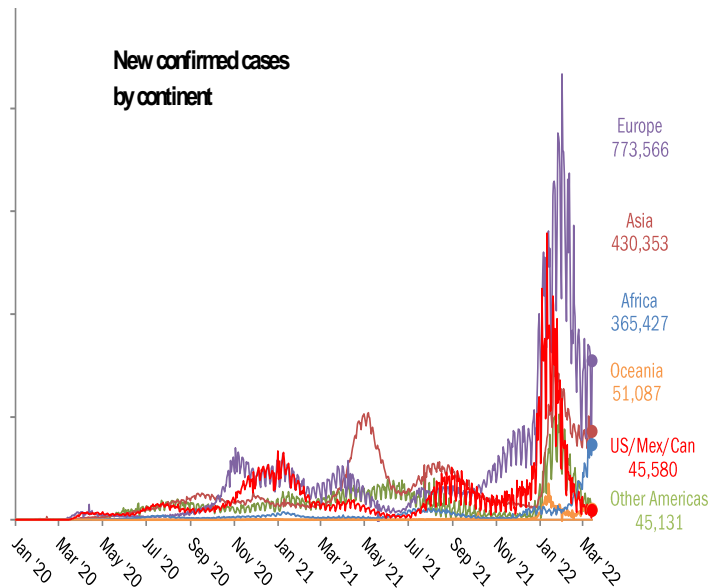
## Data Insights: Covid-2019 Monitor

Tuesday, March 15, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Korea, South	362,328	Russia	522
Vietnam	264,790	Korea, South	293
Germany	198,955	United States	291
United Kingdom	171,669	Germany	282
Switzerland	69,146	Indonesia	271
Netherlands	45,920	Brazil	198
United States	40,483	France	189
Russia	40,120	United Kingdom	137
Austria	34,220	Turkey	133
Portugal	32,750	Italy	129
<b>1,260,381</b>		<b>2,445</b>	
World	1,712,603	World	1,232
Top ten	74%	Top ten	199%



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

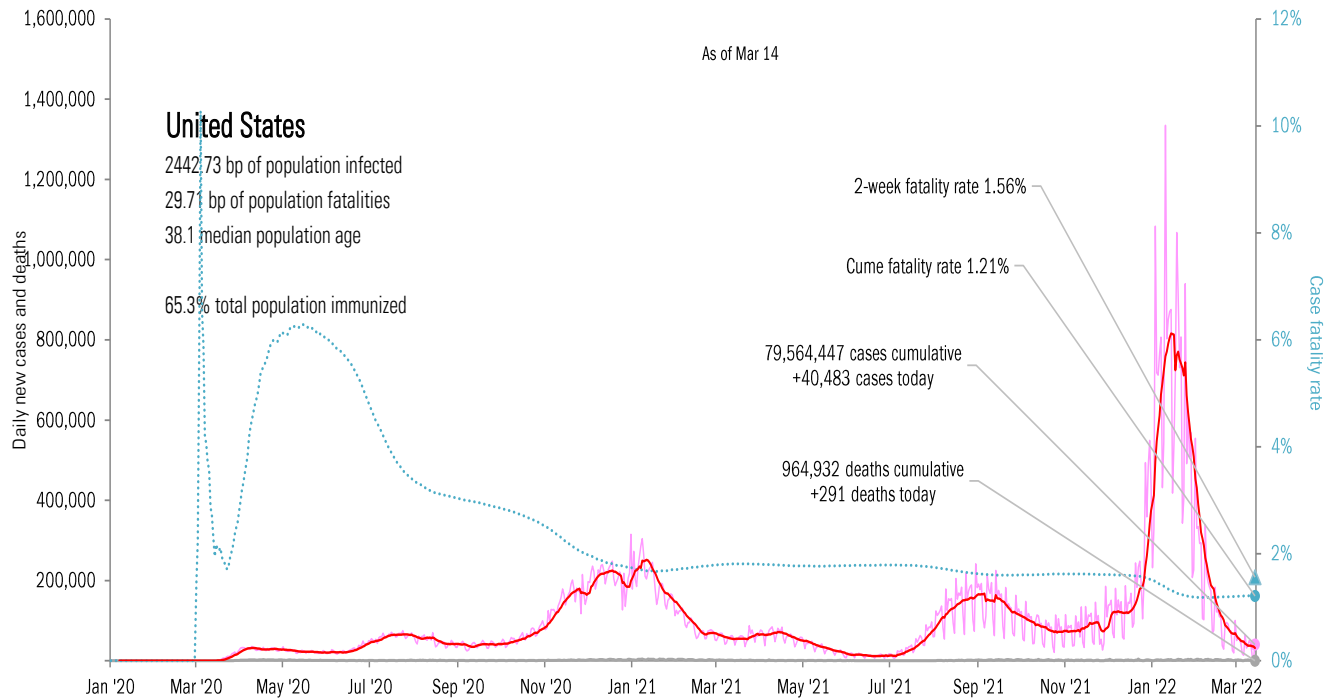
New cases			New deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	8,900		CA	297	IN	33	CA	9,046,404	CA	87,566	TX	484,048	RI	85%	TX	85%			
NC	3,130		VA				TX	6,673,290	TX	86,453	CA	419,326	WV	83%	RI	84%			
WA	2,718		FL				FL	5,870,458	FL	71,866	FL	411,414	MA	83%	AL	83%			
IL	2,324		AL				NY	4,949,357	NY	67,688	NY	242,962	MN	82%	NM	82%			
MA	2,020		WI				IL	3,048,042	PA	43,845	GA	206,849	WA	81%	KY	81%			
VA	1,681		GA				PA	2,770,077	CH	37,410	CH	189,111	DC	80%	DC	79%			
MI	1,548		NC				CH	2,663,835	GA	36,247	PA	174,535	MD	80%	WV	79%			
TX	1,472		WA				NC	2,611,733	IL	35,540	IL	155,327	MO	79%	NC	79%			
FL	1,459		IL	32	CH	2	GA	2,477,737	MI	35,210	MI	139,641	NC	78%	MA	77%			
CO	1,328		AR	28	VA	2	MI	2,373,336	NJ	33,114	KY	139,149	CT	78%	NV	77%			
26,580			804		75		42,484,269			534,939			2,561,362						
All states	40,483		291		-502		All states	79,564,447	964,932			4,644,914			All states	70%	67%		
Top ten	66%		276%		-15%		Top ten	53%	55%			55%			Median	73%	71%		

New deaths and new in hospital figures are distorted today by revisions.

Some states not reporting

## Five most improved US states

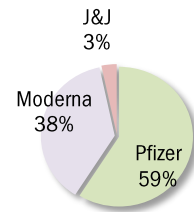
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-1,220	MA	-3,770	GA	-35	IL	+10 bp
CH	-317	DE	-54	IA	-20	KY	+10 bp
FR	-256	NY	-19	PA	-15	AK	+0 bp
DE	-120	MD	-10	TX	-15	AL	+0 bp
MD	-58	TX	-10	WA	-9	AR	+0 bp



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	572,135,877		+0.079 million	US	65.3%	76.7%
Boosters	97,291,843		+0.031 million	UK	72.2%	77.3%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	262,233,595	78%	222,907,520	67%	+0.022 million	France 77.7% 80.1%
Age 12 to 17	17,438,740	69%	14,866,255	59%	+0.003 million	Spain 85.2% 87.9%
Age 18 to 64	176,707,447	87%	149,851,506	74%	+0.012 million	Germany 75.1% 75.8%
Age 65 and over	58,250,728	100%	50,417,633	92%	+0.001 million	Italy 79.0% 84.0%
						Australia 80.4% 85.8%
						Israel 65.9% 72.1%
						Canada 81.5% 85.7%
						Japan 79.7% 80.9%
						Africa 14.1% 19.7%
						India 58.4% 69.5%
						Brazil 73.8% 84.1%
						China 85.5% 87.9%



State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

AK	68.9%
	61.4%

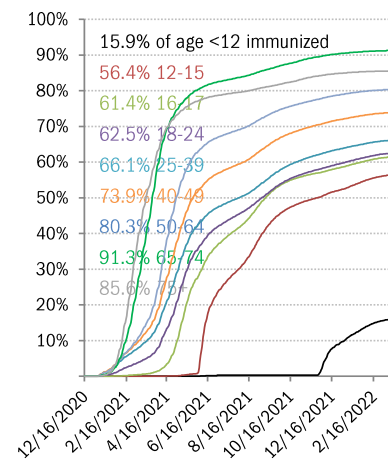
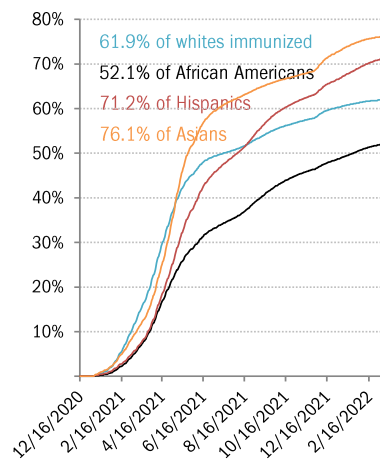
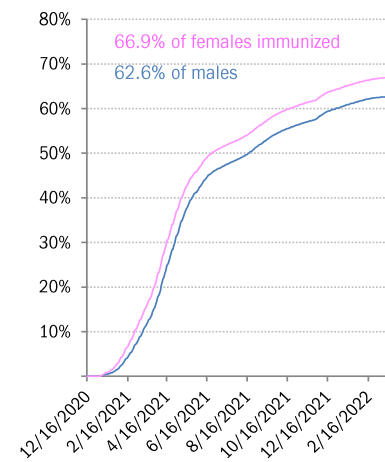
\*Immunity\* = two doses

As of Mar 14

Global data differs due to sources, timing

					WI					ME
					71.3%					89.2%
					64.9%					78.6%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.0%	60.5%	64.7%	64.5%	74.5%	76.2%	66.4%		89.3%	92.7%	95.0%
71.7%	53.4%	56.1%	54.5%	68.5%	67.9%	59.6%		75.9%	80.4%	69.4%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.2%	74.3%	58.2%	75.2%	67.4%	60.9%	63.1%	83.7%	89.4%	95.0%	
68.9%	60.0%	50.8%	60.2%	61.3%	54.3%	57.8%	67.3%	74.6%	77.9%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.2%	71.3%	78.6%	69.5%	65.6%	65.6%	64.4%	84.8%	85.3%	94.3%	95.0%
70.8%	63.4%	69.5%	62.7%	55.4%	56.8%	57.0%	72.3%	74.4%	78.1%	81.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	71.8%	86.4%	73.8%	66.0%	61.5%	82.7%	66.9%	95.0%	82.1%	
	60.5%	70.0%	60.6%	53.7%	53.8%	59.6%	56.3%	72.0%	68.0%	
			OK	LA	MS	AL	GA			
			70.2%	60.5%	59.0%	62.1%	64.6%			
			56.3%	52.9%	51.2%	50.5%	53.9%			
			TX					FL		PR
			71.5%					78.3%		95.0%
			60.4%					66.2%		81.9%

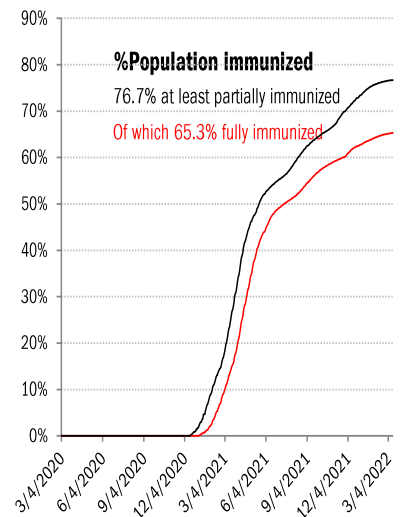
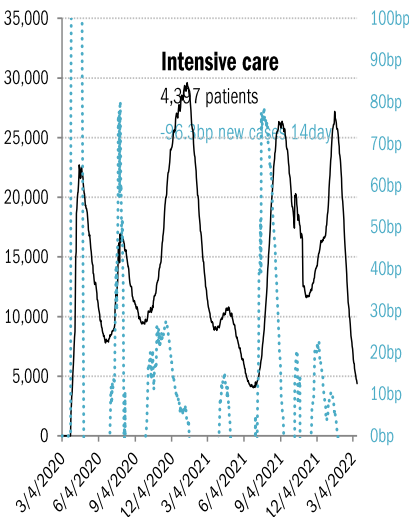
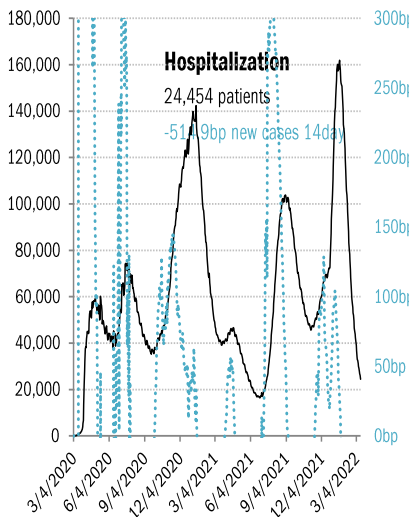
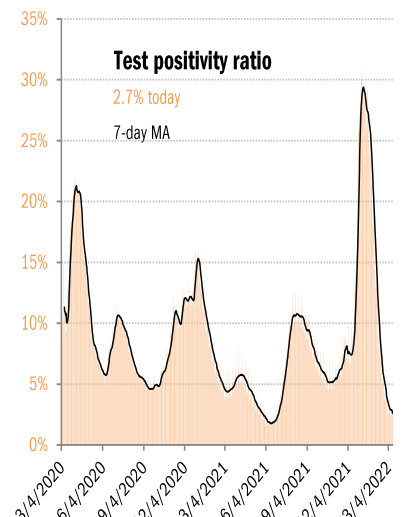
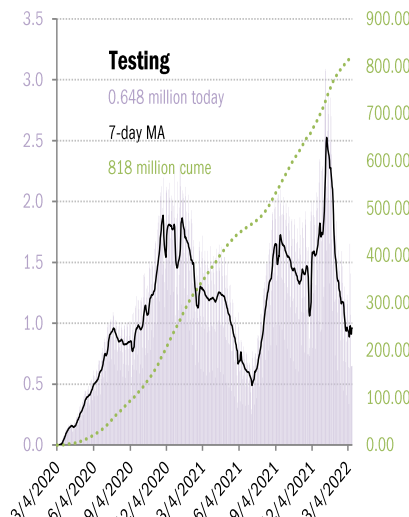
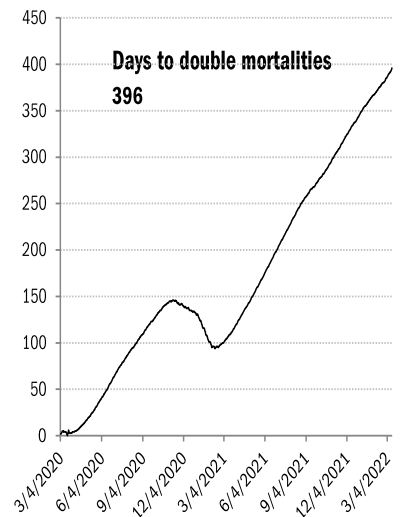
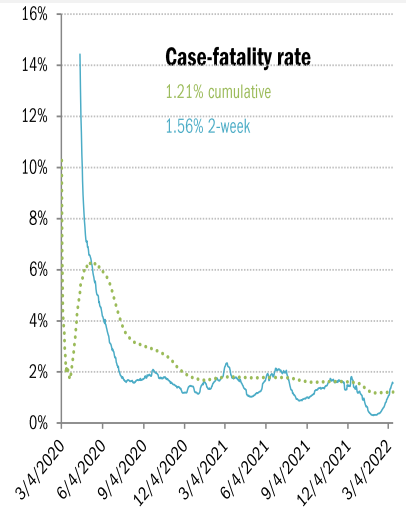
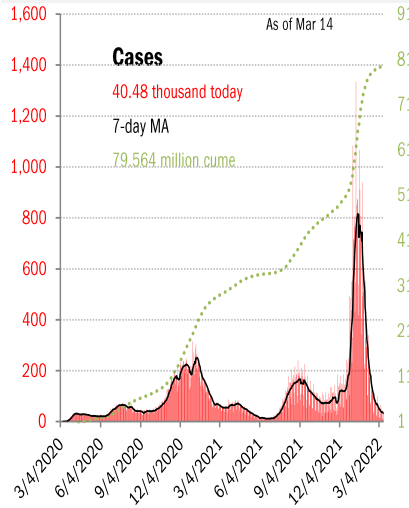
## The demographics of US vaccination



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

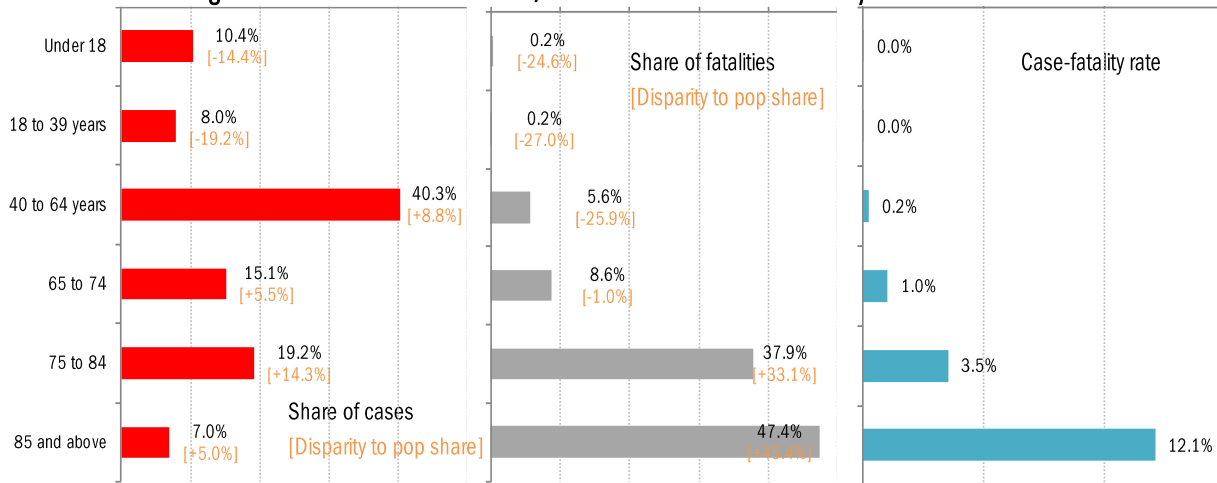
# US deep-dive

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

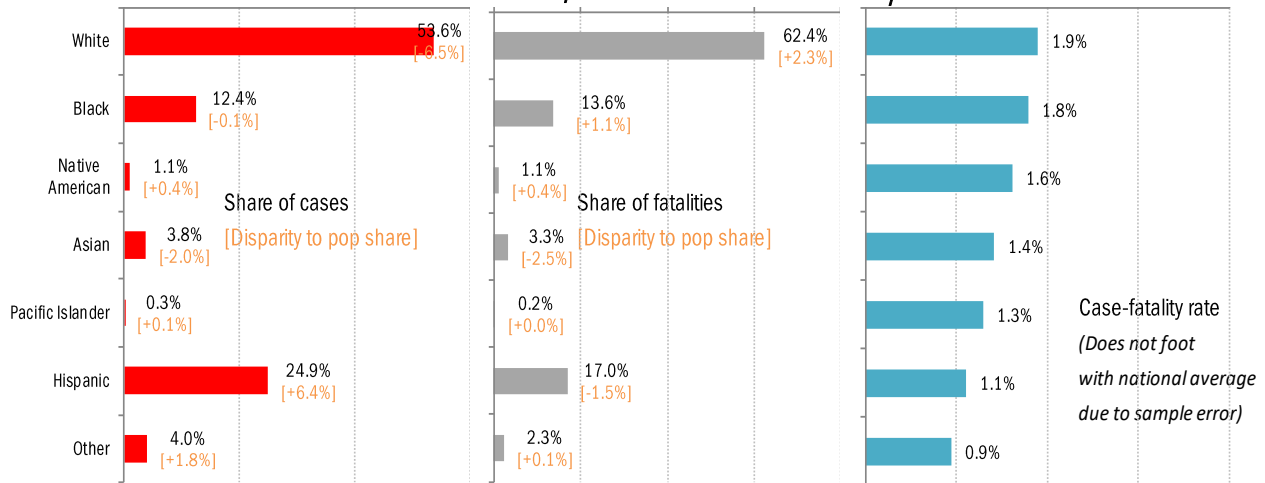


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

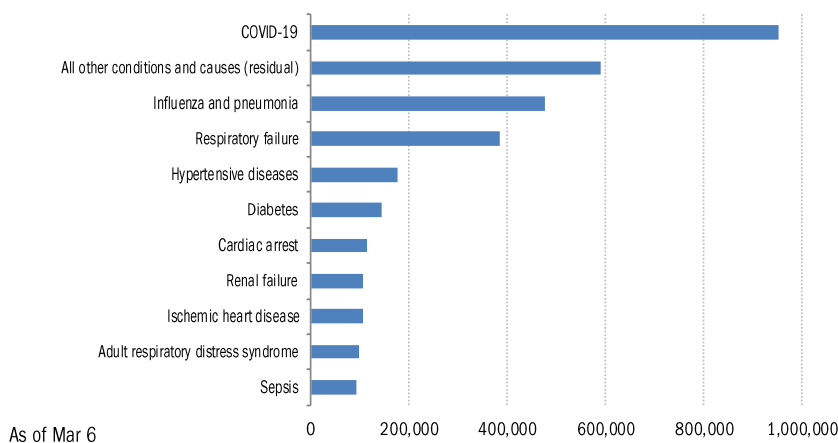


Racial distribution of US cases, fatalities and case-fatality rates



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

[House Budget GOP Leader Jason Smith Highlights One-Year Anniversary of American Rescue Plan—Billions in Waste, Failed Economic Policies, 40-Year High Inflation](#)

Jason Smith  
*Ways and Means Committee GOP*  
March 11, 2022

[Safety of mRNA vaccines administered during the initial 6 months of the US COVID-19 vaccination programme: an observational study of reports to the Vaccine Adverse Event Reporting System and v-safe](#)

Hannah G Rosenblum, MD et al.  
*The Lancet Infectious Diseases*  
March 7, 2022

[Deaths represent 1.3% of side effects reported for COVID vaccines: peer-reviewed CDC study](#)

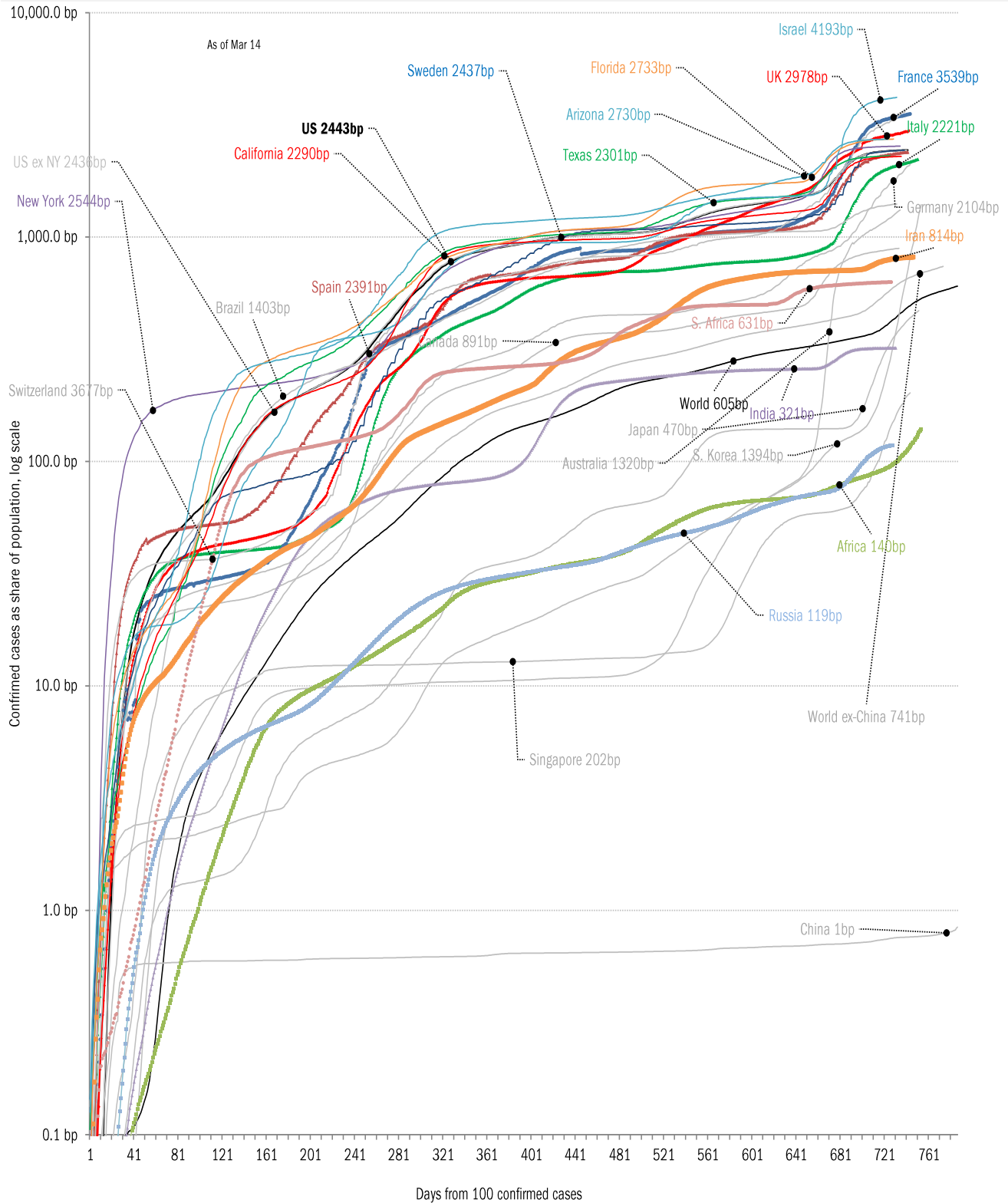
Greg Piper  
*Just the News*  
March 14, 2022

## Meme of the day



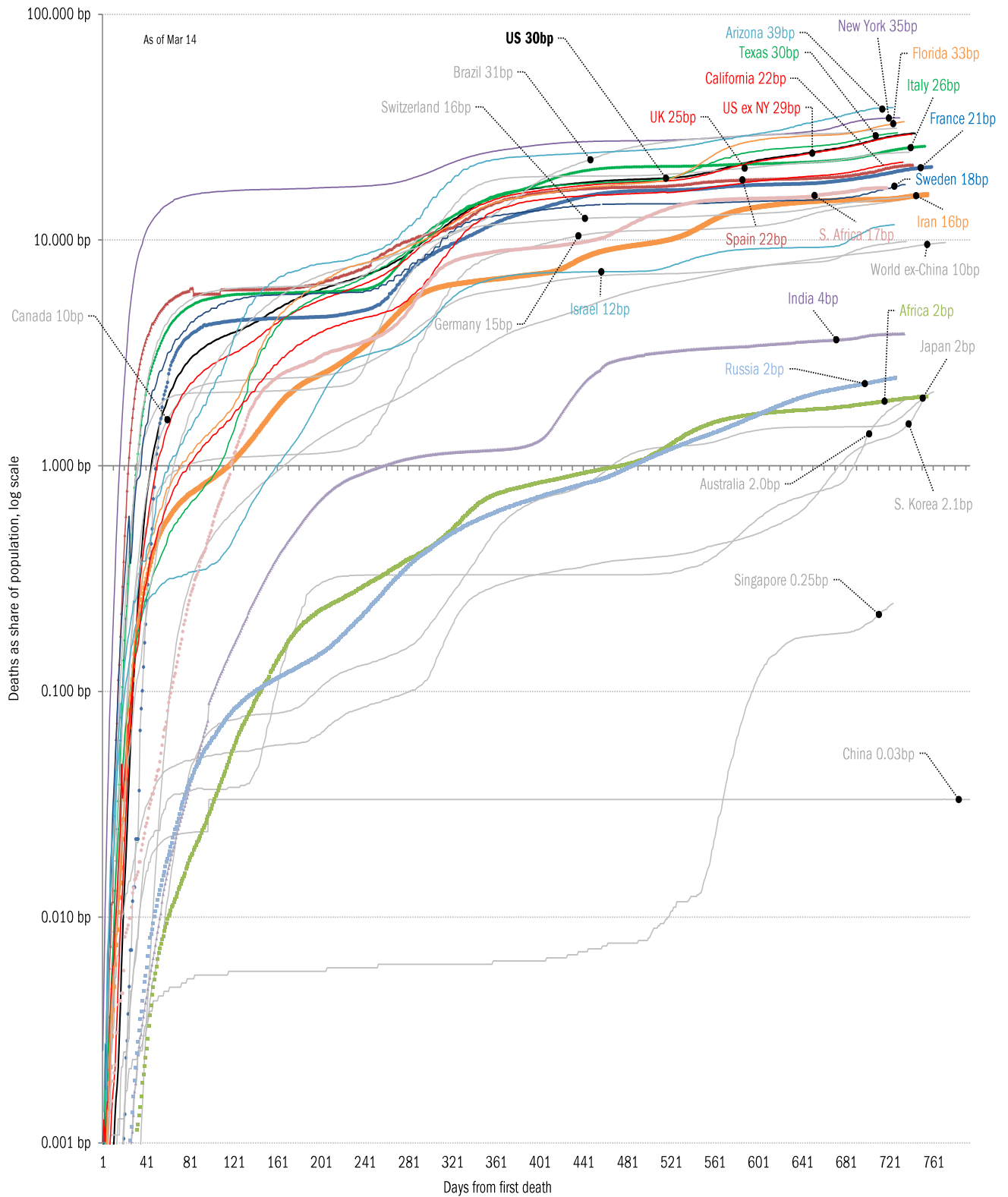
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



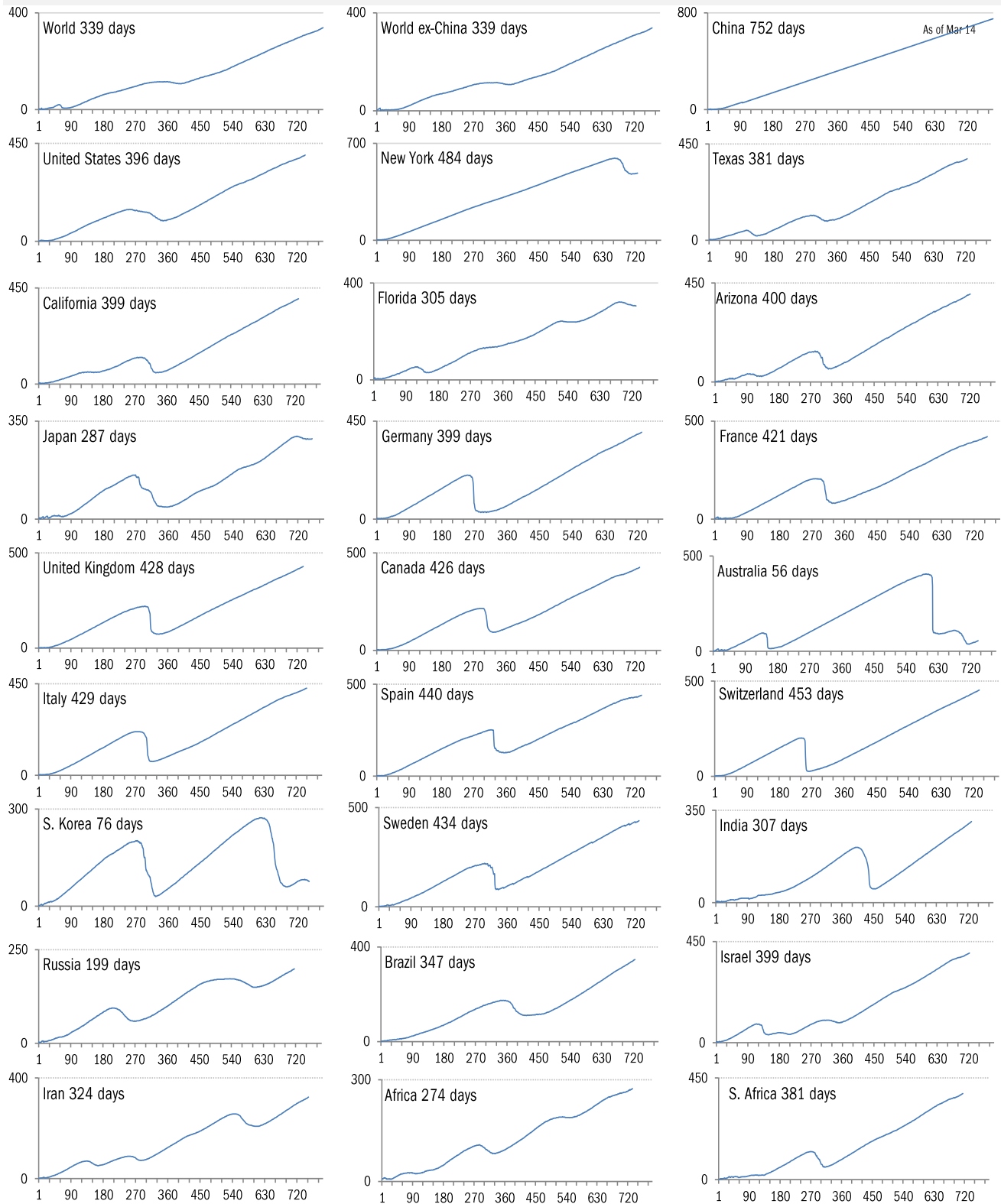
Source: [Johns Hopkins](#), TrendMacro calculations



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

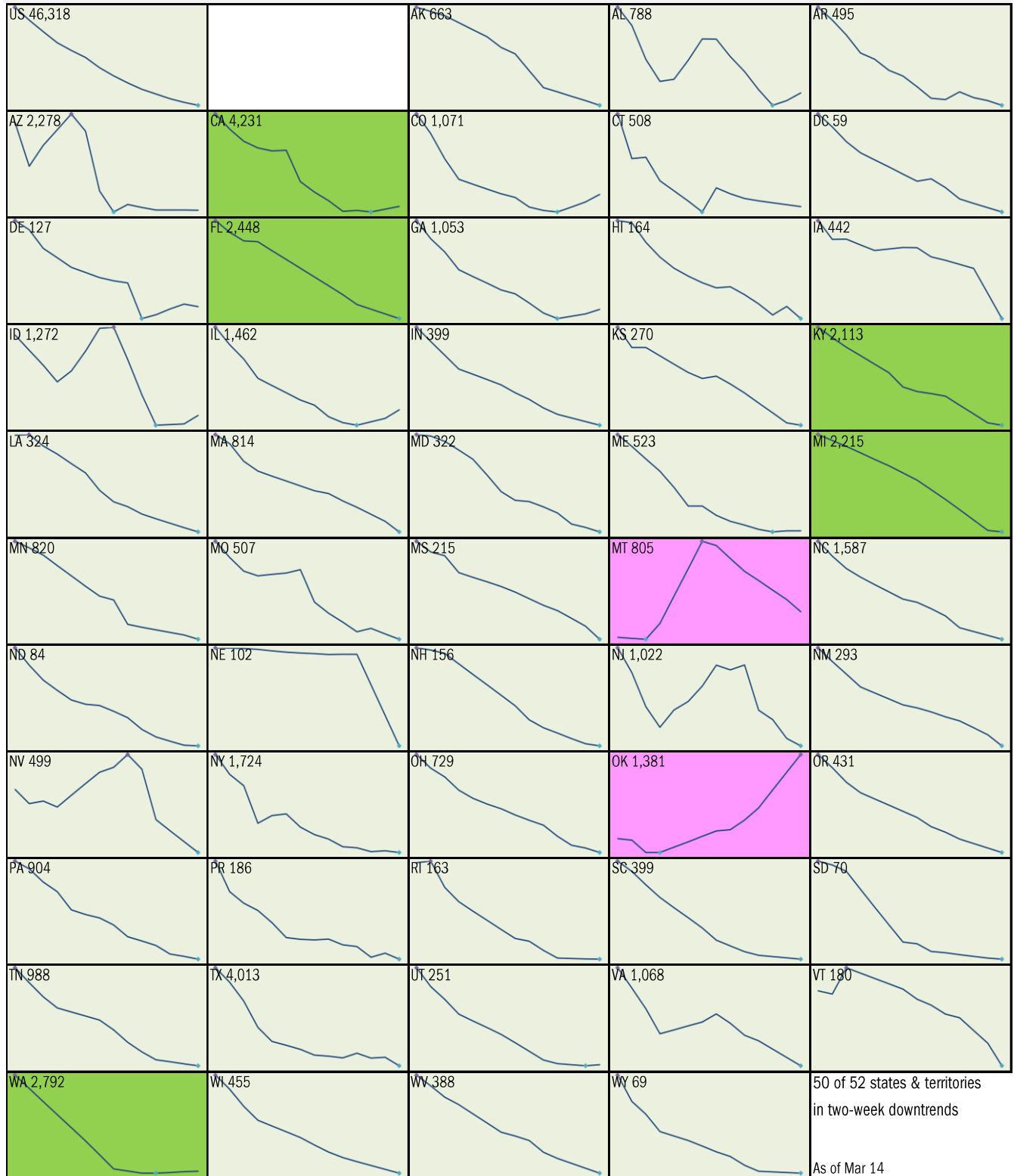


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

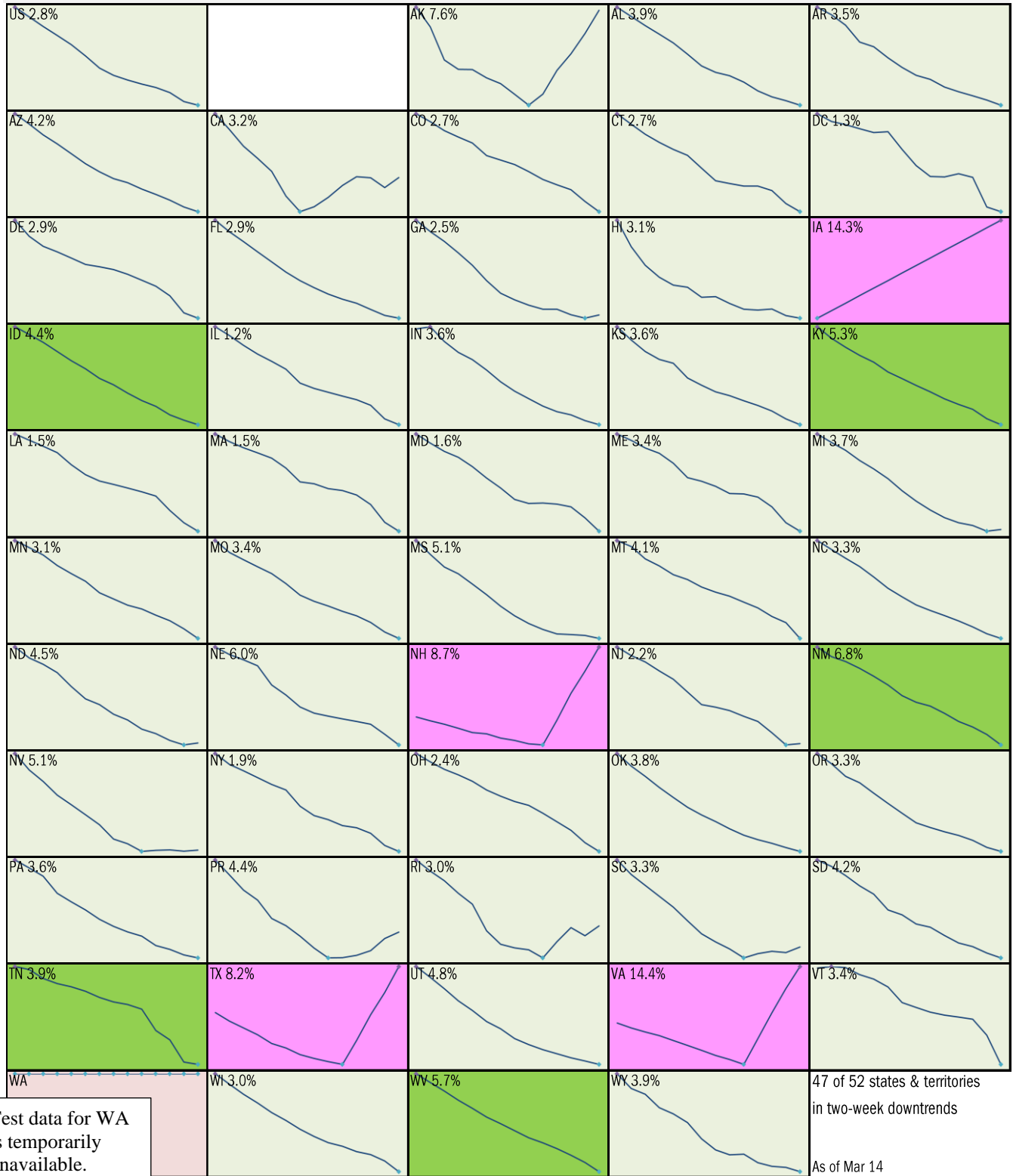


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day "downward 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



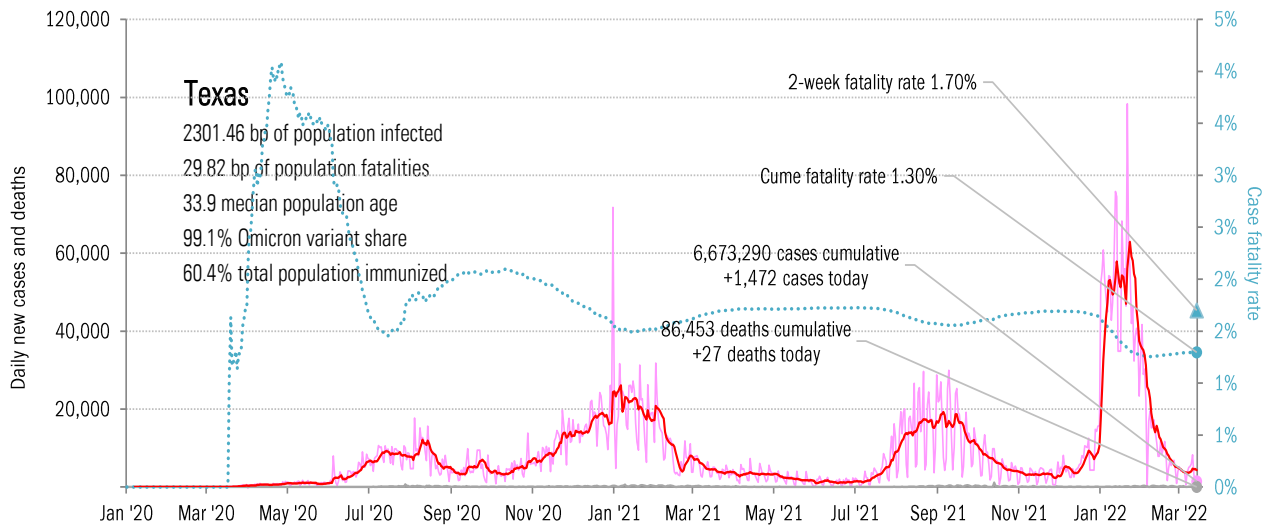
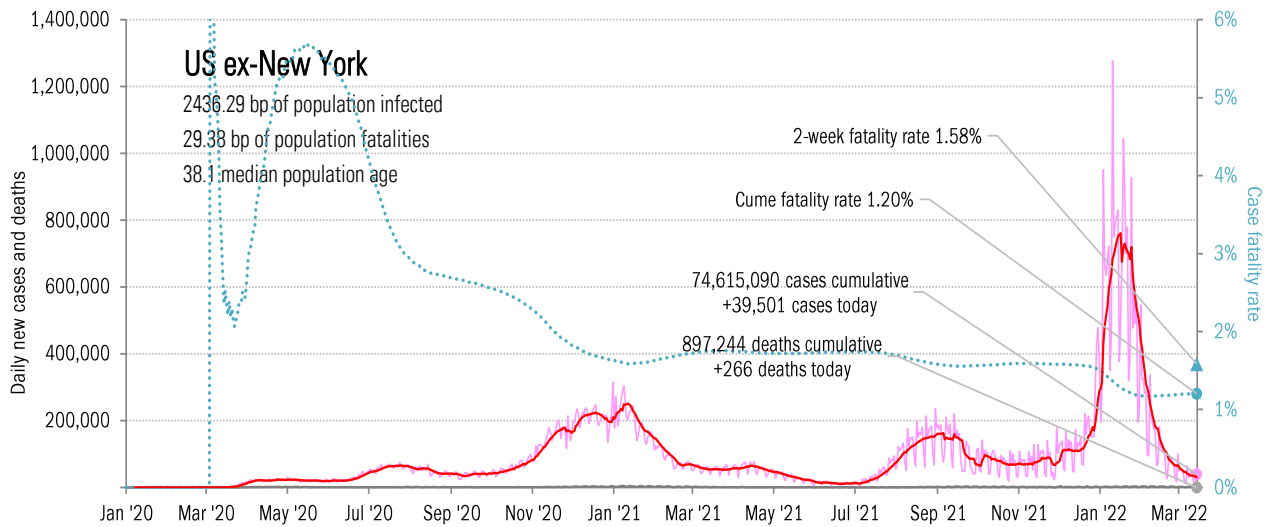
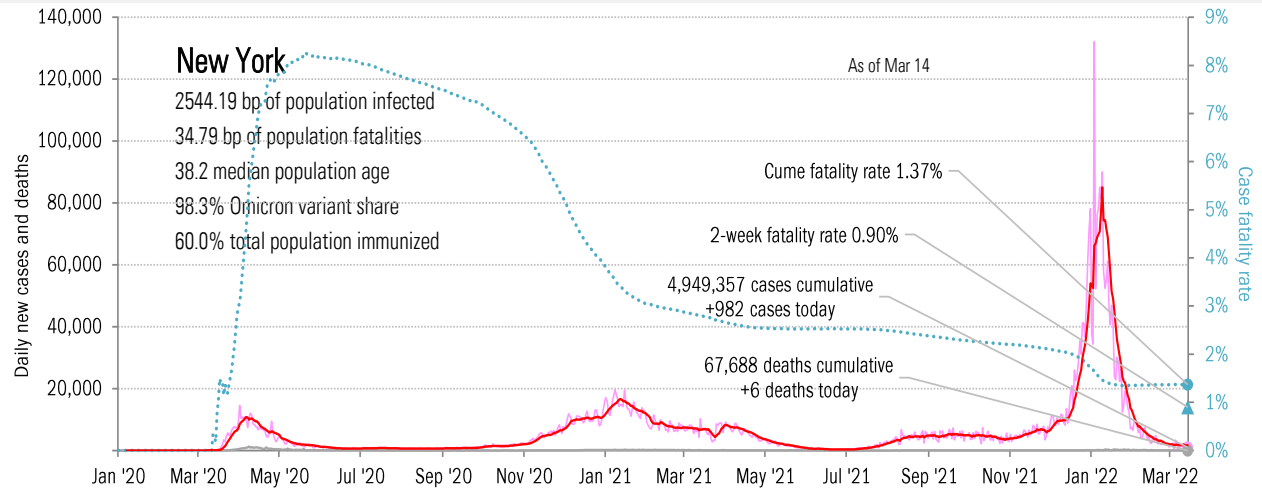
Test data for WA is temporarily unavailable.

47 of 52 states & territories in two-week downtrends  
As of Mar 14

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

# From Ground Zero to the Rio Grande

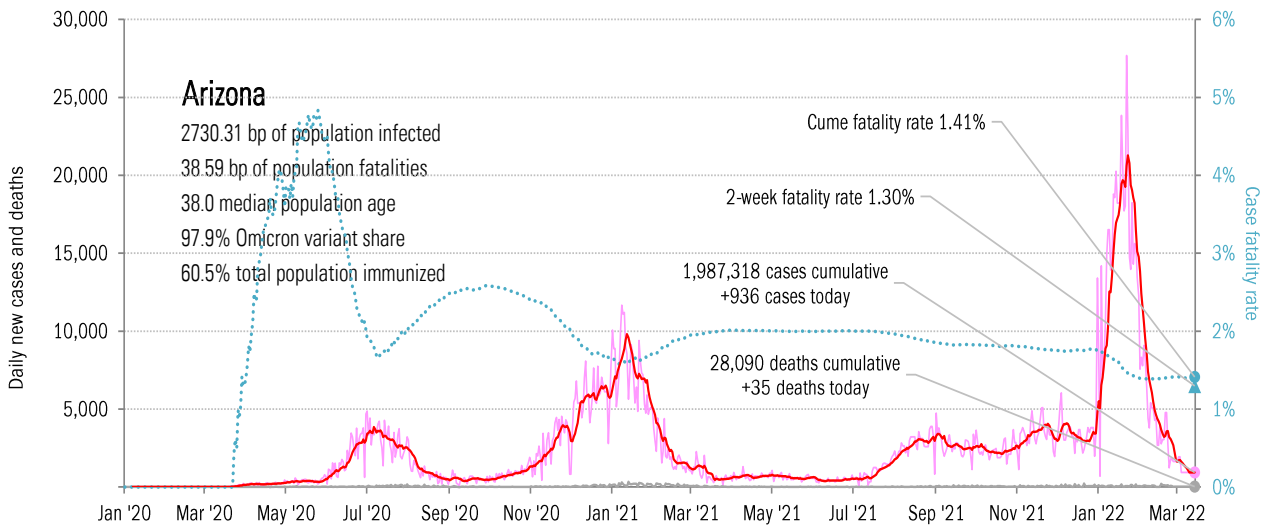
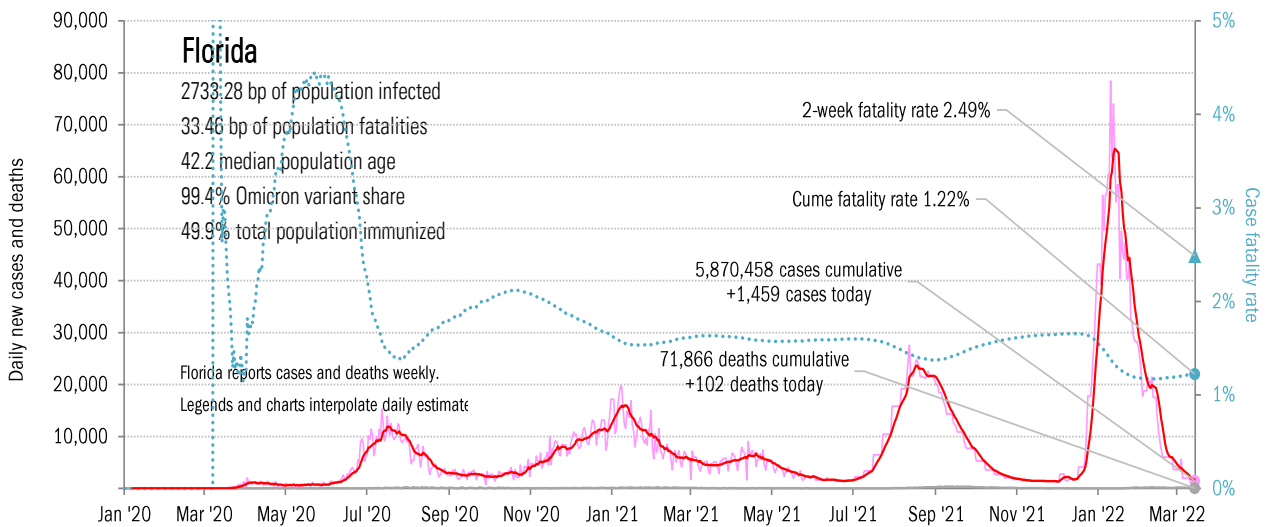
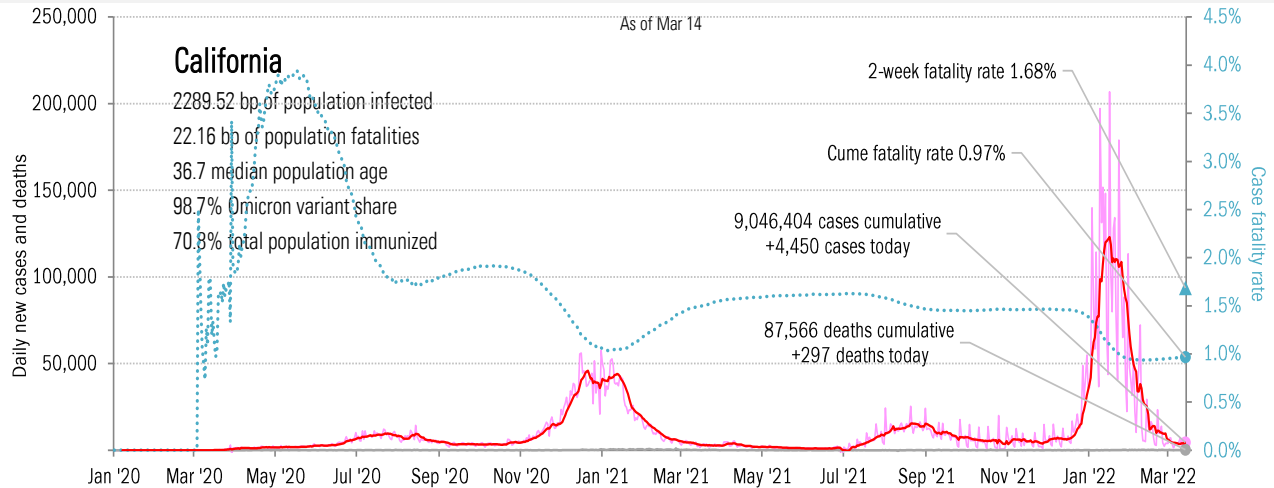
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

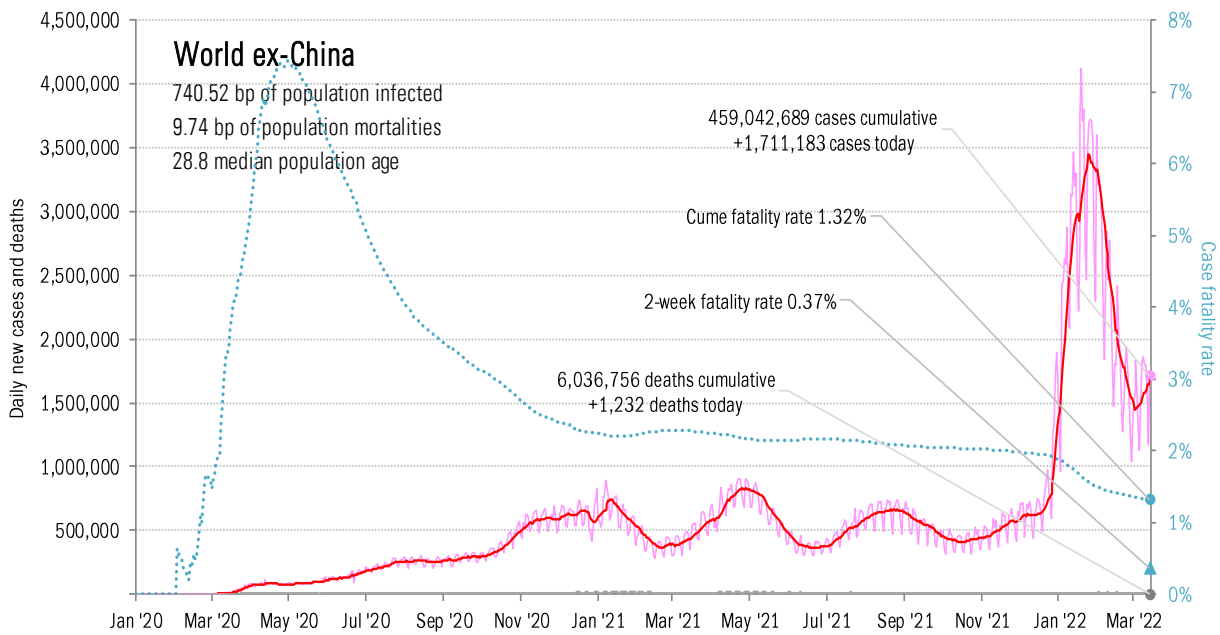
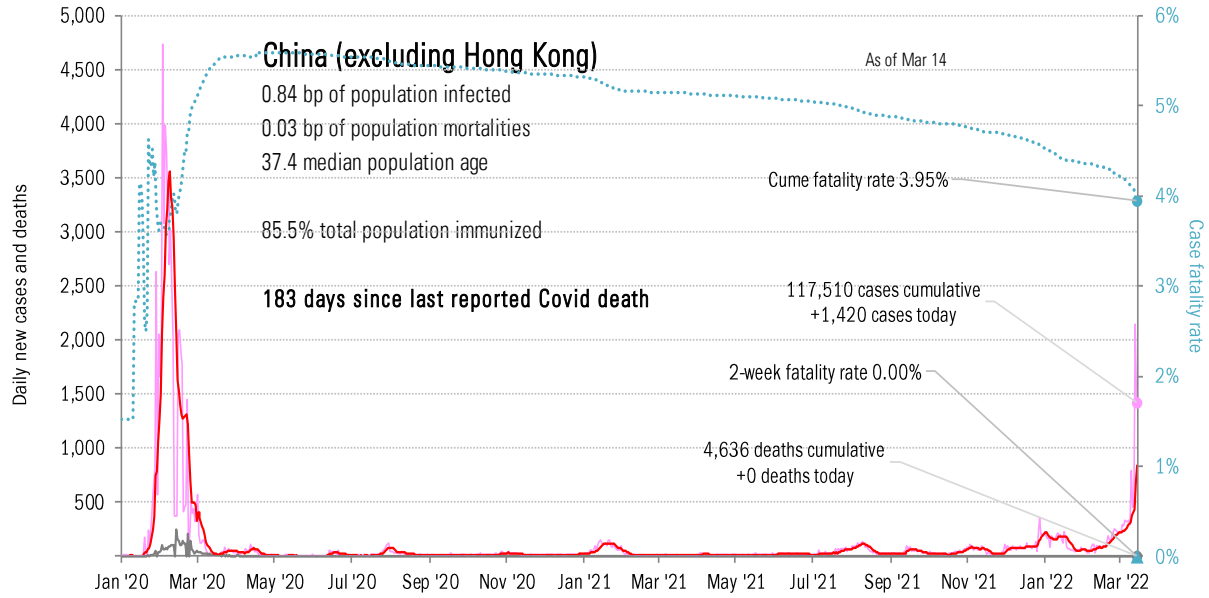
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

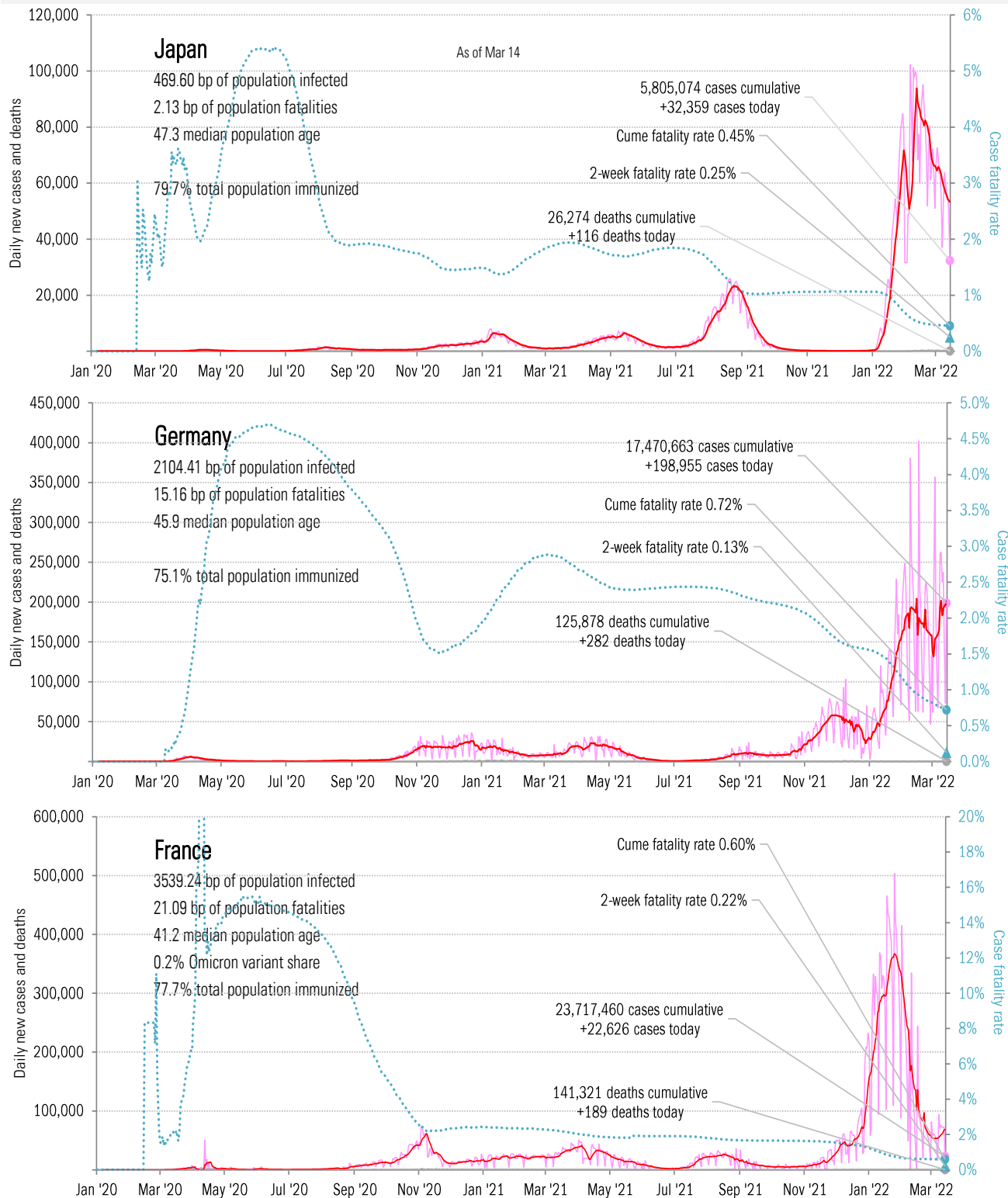
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

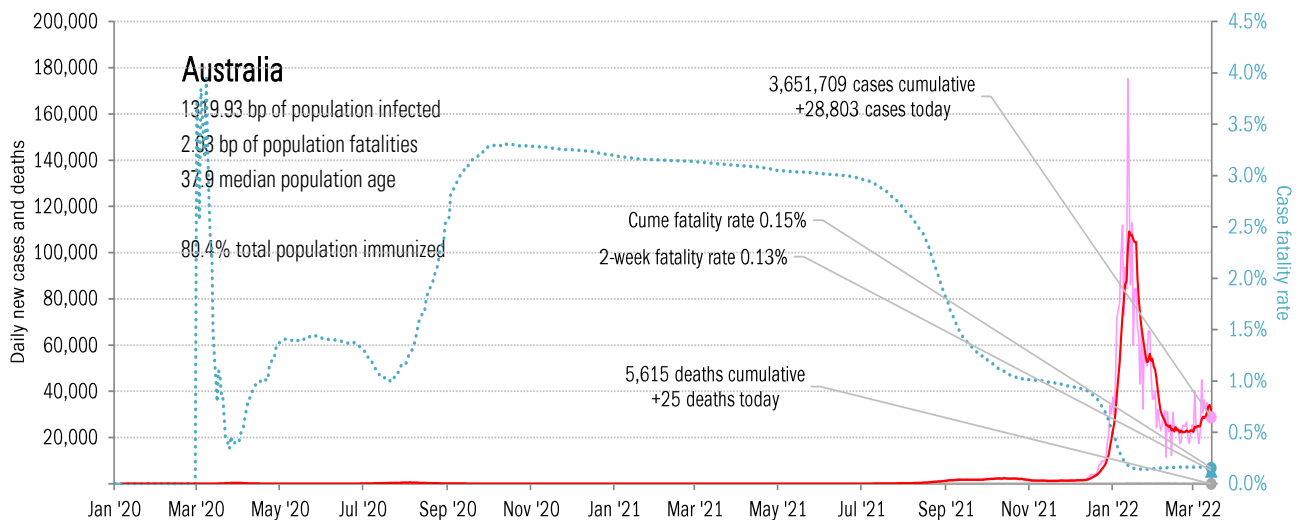
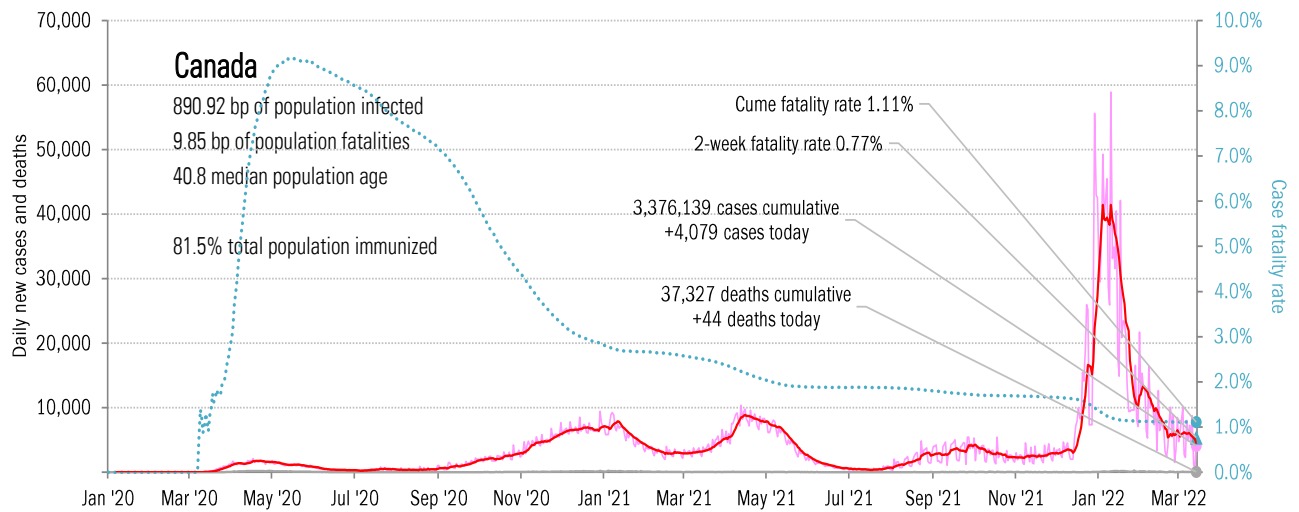
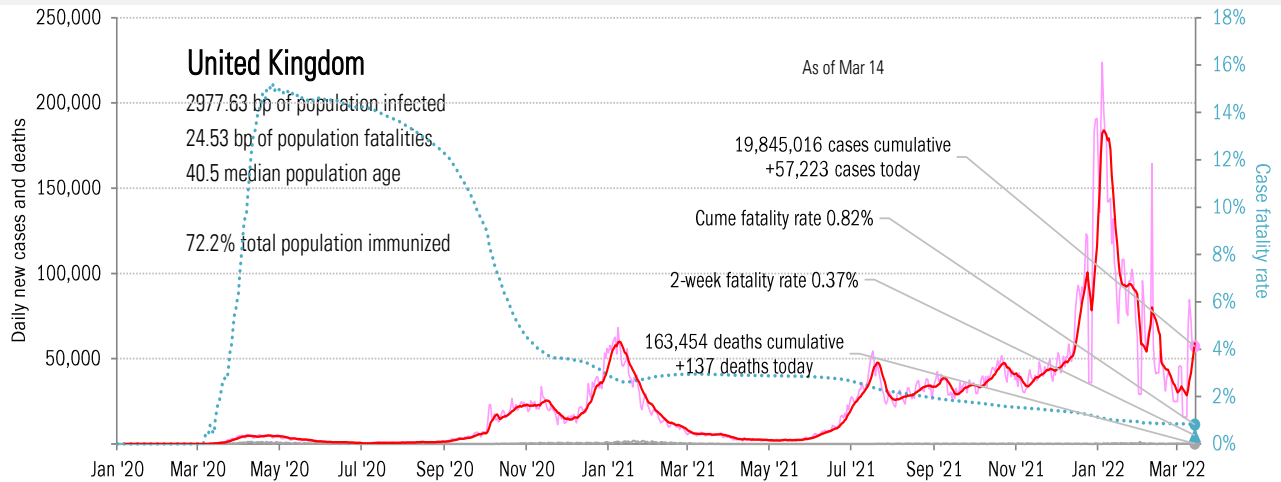
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

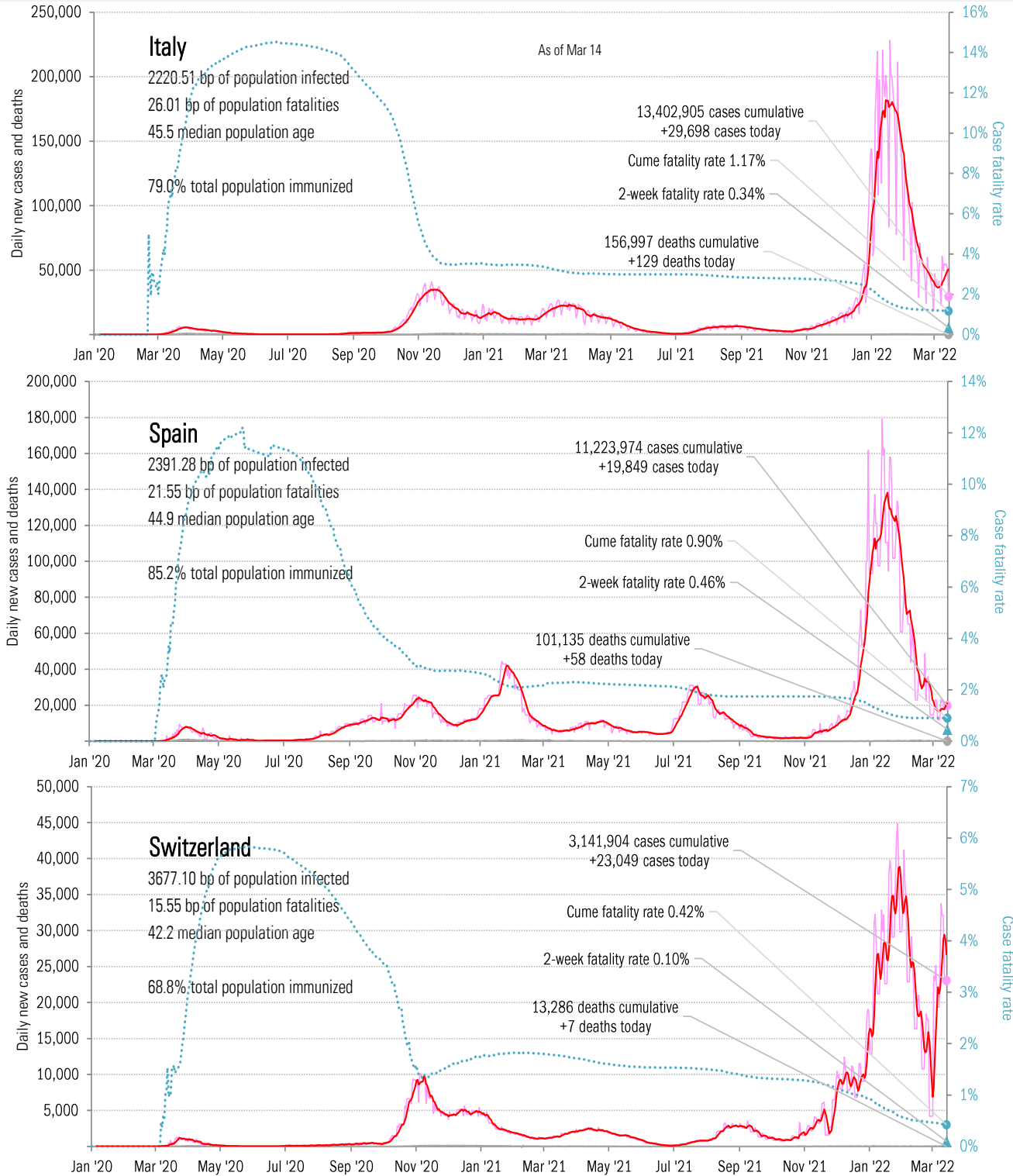


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

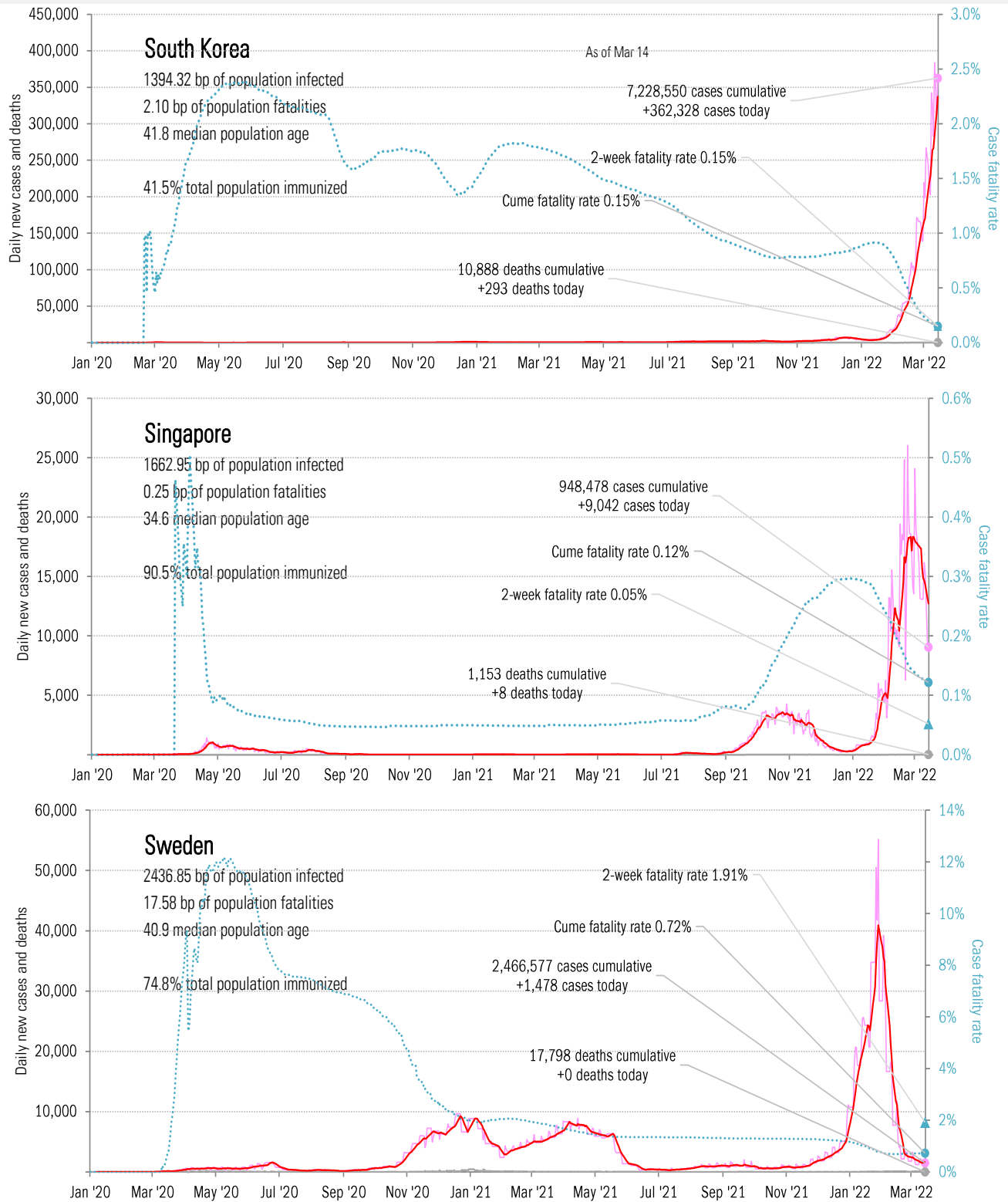
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

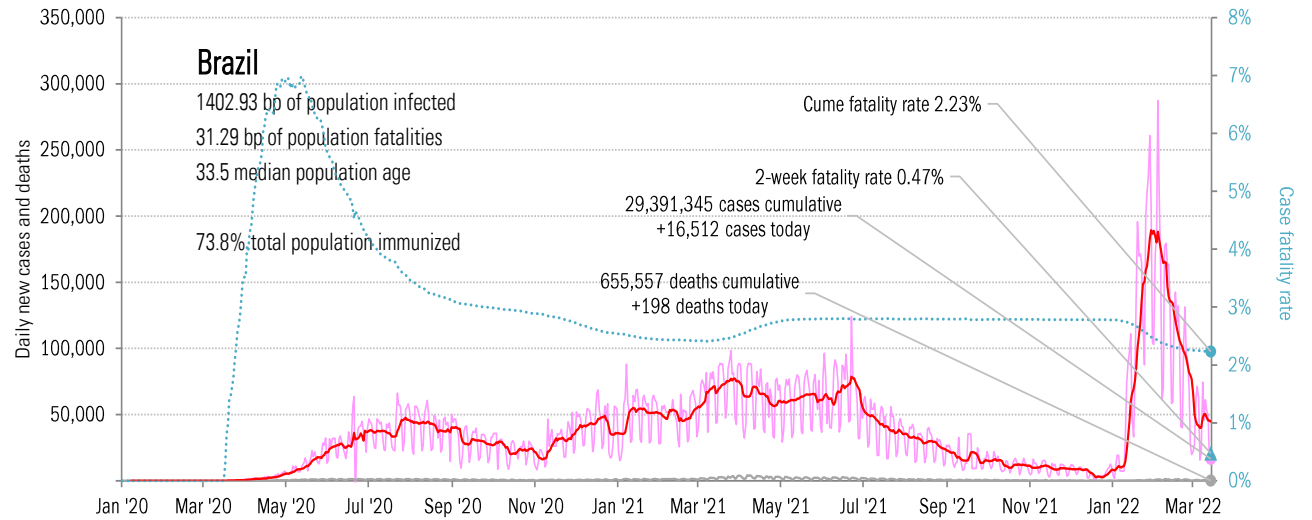
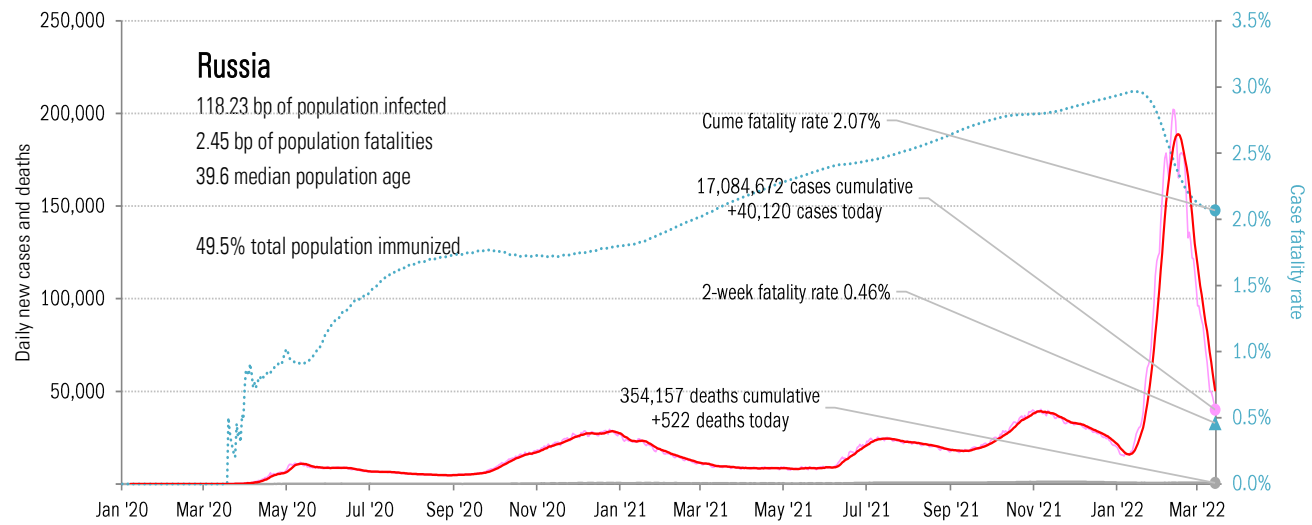
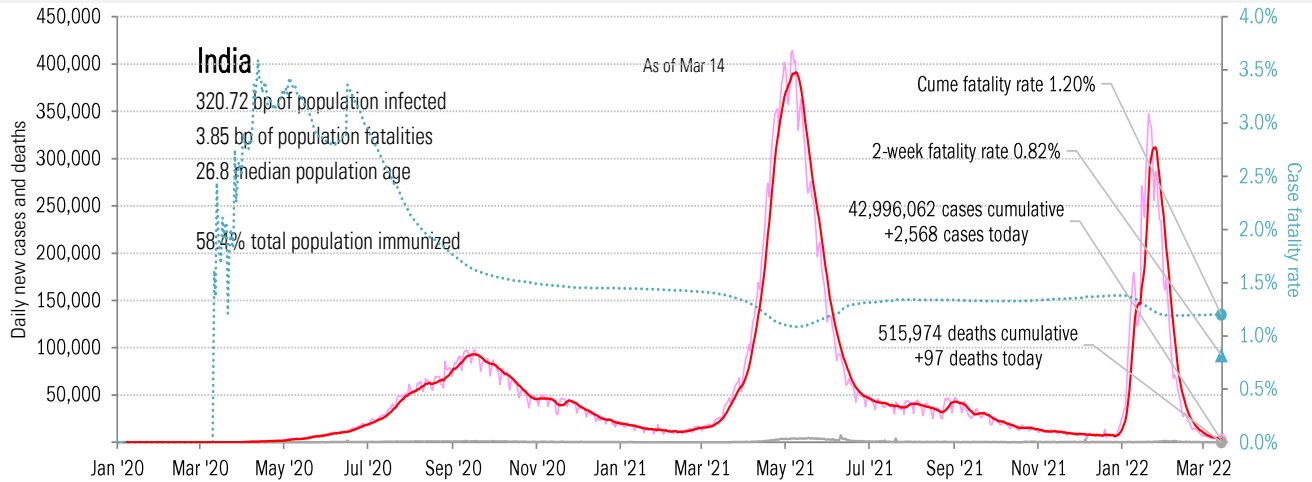
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

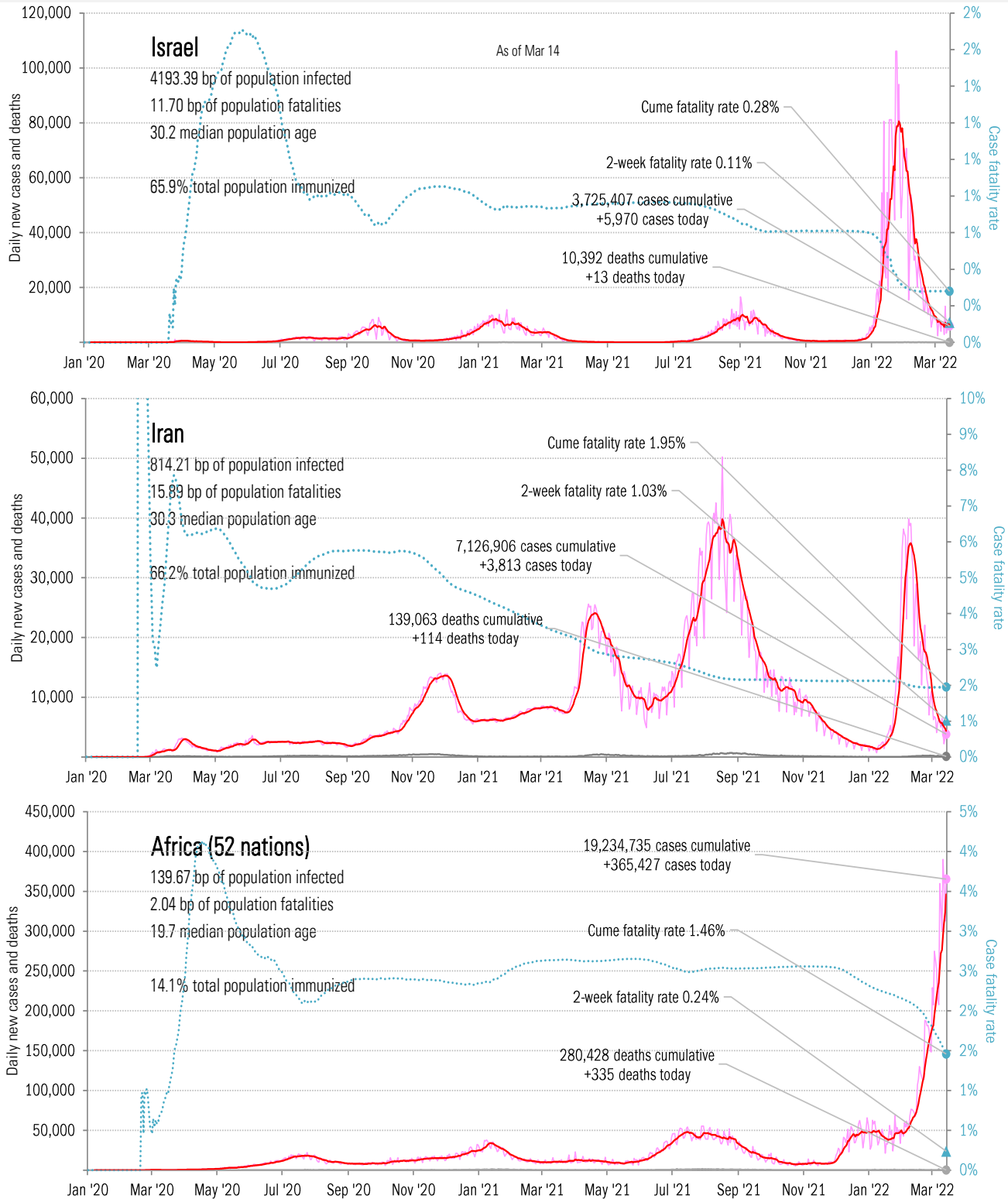
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

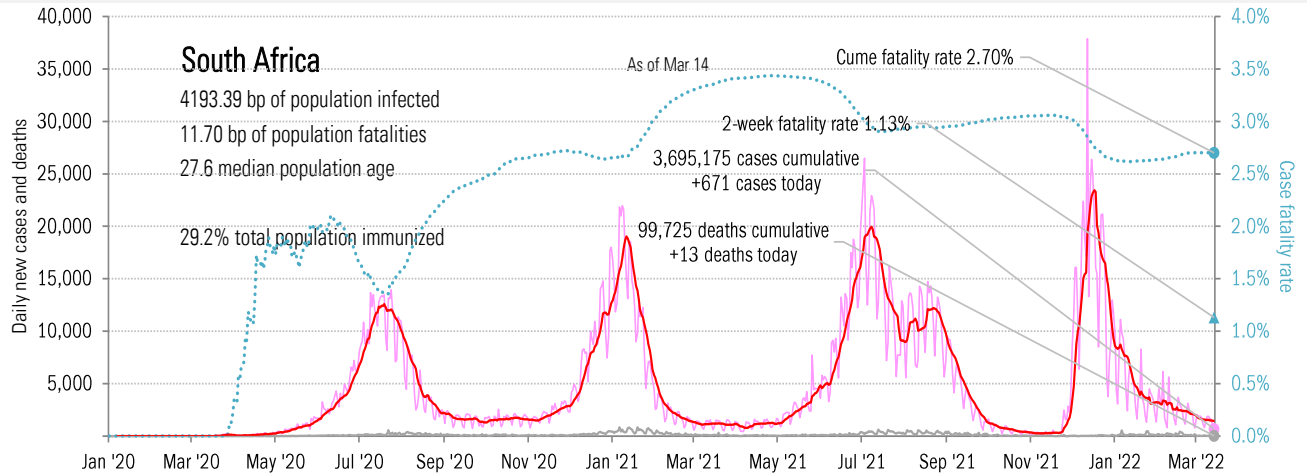
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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