

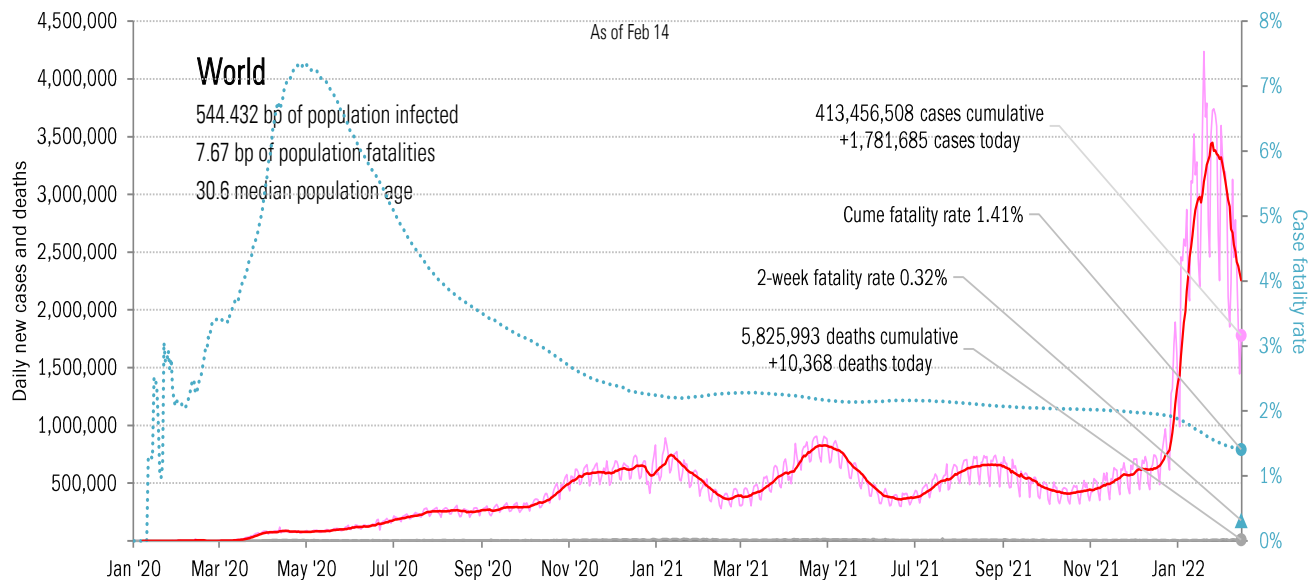
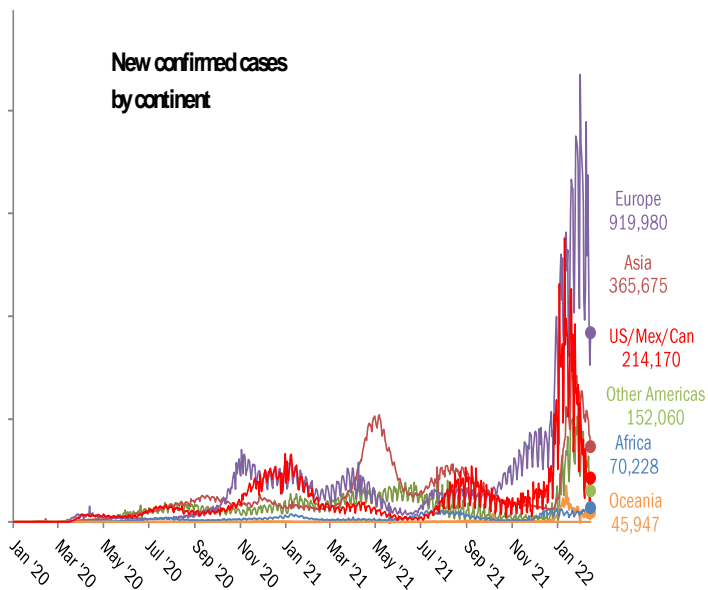
## Data Insights: Covid-2019 Monitor

Tuesday, February 15, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	192,797	United States	2,646
Russia	178,785	Russia	672
Germany	174,539	Spain	601
Turkey	76,632	Brazil	478
Spain	68,706	France	385
Japan	60,053	India	347
Brazil	59,363	Italy	281
Korea, South	57,175	Hungary	271
Netherlands	55,069	Argentina	268
Switzerland	48,930	Turkey	266
972,109		6,215	
World	1,781,685	World	10,368
Top ten	55%	Top ten	60%



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

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

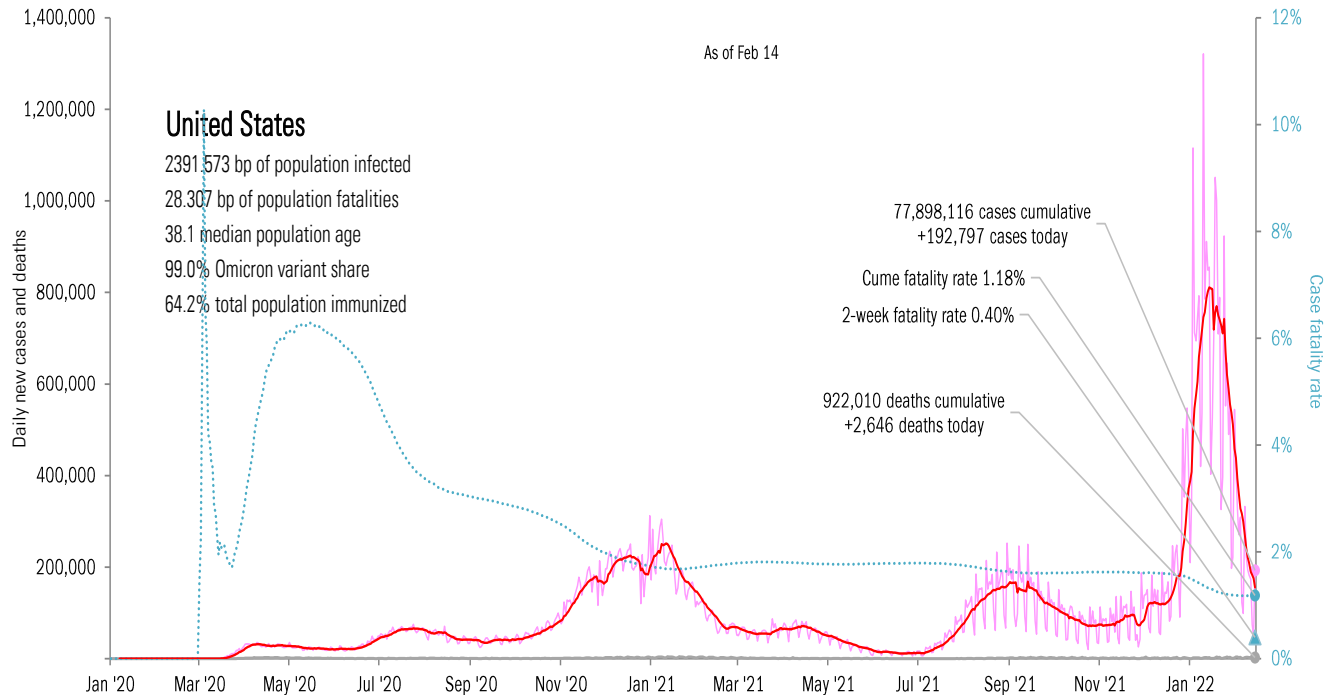
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
CA	28,137		CA	374	CT	29	CA	8,837,366	CA	82,932	TX	473,005	MA	86%	TX	93%					
NC	14,638		IL	224	NH	19	TX	6,525,631	TX	82,360	CA	406,876	MN	85%	ND	93%					
IL	14,269		VA	215	NC	18	FL	5,755,397	FL	67,447	FL	402,426	GA	85%	VT	93%					
FL	13,625		CK	209	ME	13	NY	4,888,634	NY	66,554	NY	238,264	WV	84%	AL	90%					
SC	11,479		FL	207	AZ	8	IL	3,001,771	PA	42,247	GA	198,516	WA	83%	MS	88%					
VA	8,049		GA	142	NE	7	PA	2,726,796	CH	35,005	CH	185,464	MO	83%	NM	86%					
TX	7,898		KY	116	NY	7	CH	2,633,648	IL	34,452	PA	170,547	DE	82%	GA	86%					
KY	7,818		NC	116	PR	7	NC	2,540,372	GA	34,218	IL	152,246	RI	82%	ID	86%					
MO	7,058		SC	105	MA	5	GA	2,440,543	MI	33,518	KY	136,425	NV	81%	NC	86%					
GA	6,412		MS	94	DC	4	MI	2,331,102	NJ	32,399	MI	136,357	CT	81%	NH	85%					
119,383			1,802			117			41,681,260			511,132			2,500,126						
All states	192,797		2,646			-1,685			All states	77,898,116	922,010			4,531,192			All states	70%	67%		
Top ten	62%		68%			-7%			Top ten	53%	56%			55%			Median	76%	78%		

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-1,901	TX	-120	MO	-53	AL	+10 bp
AZ	-1,712	NY	-61	AL	-16	AR	+10 bp
FR	-487	AZ	-15	TN	-16	CA	+10 bp
WV	-451	AR	-8	OR	-14	IL	+10 bp
PA	-413	H	-4	CH	-13	IN	+10 bp

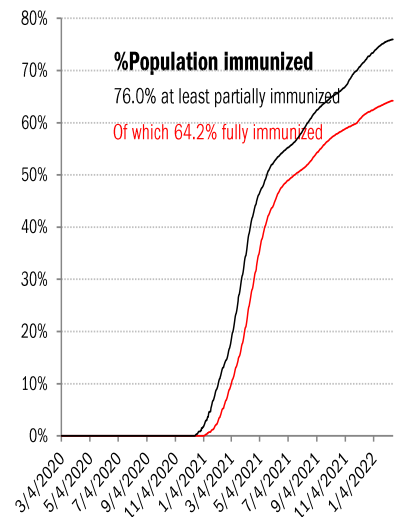
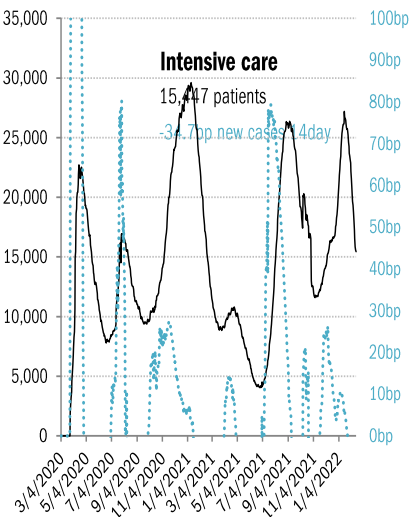
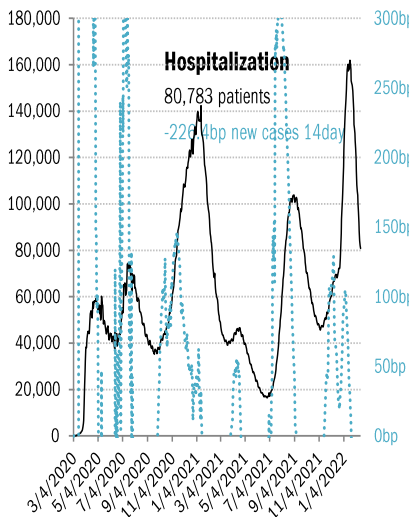
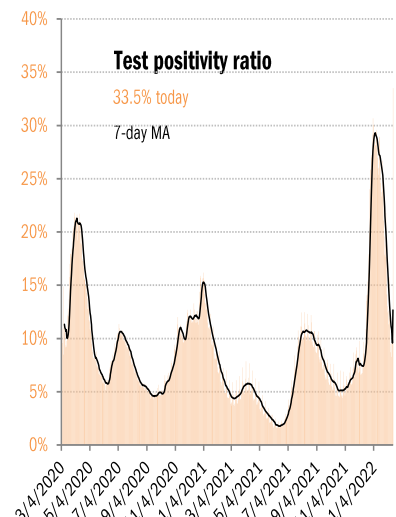
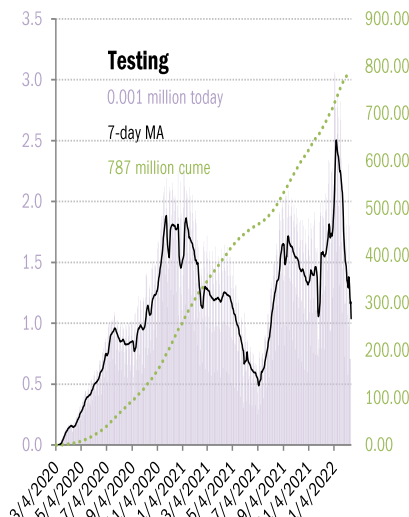
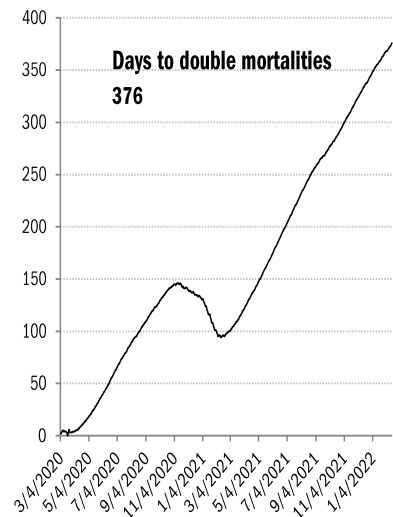
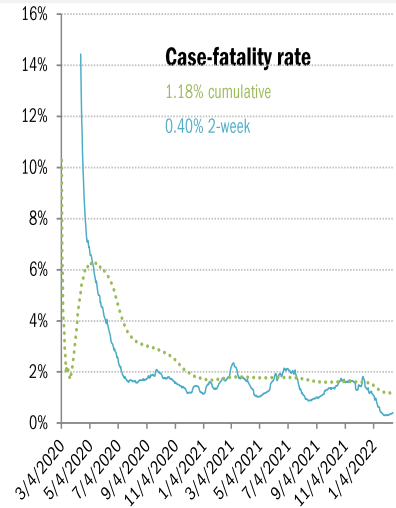
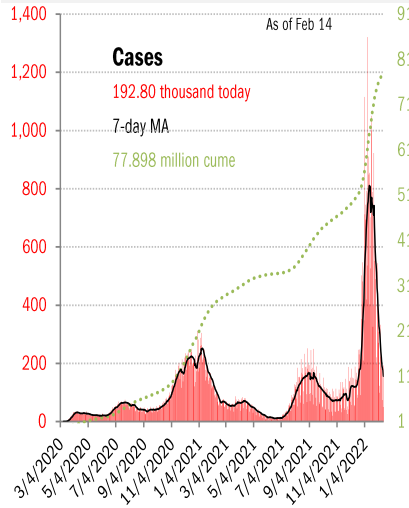


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations



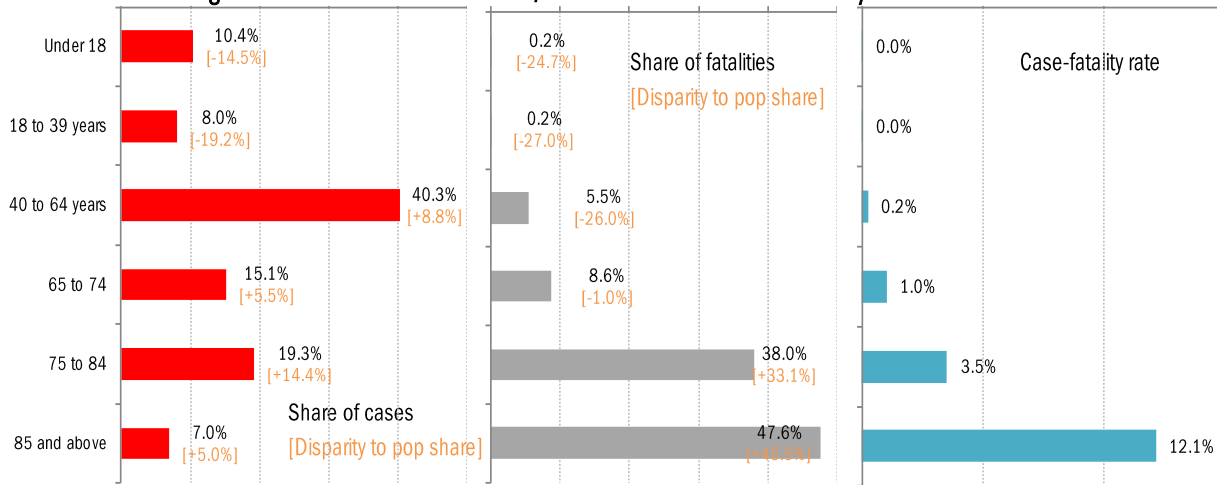
# US deep-dive

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

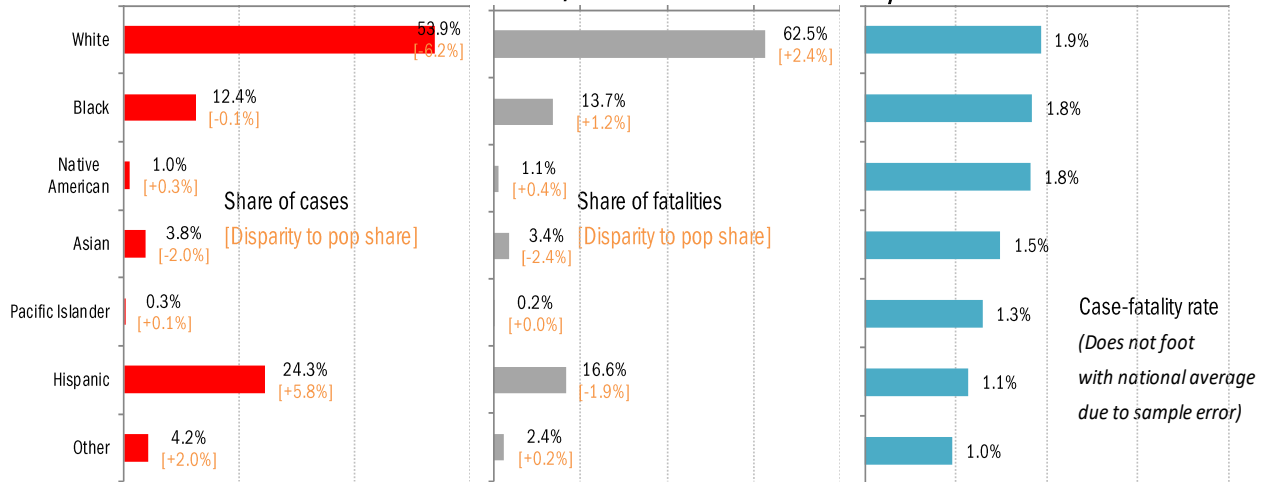


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

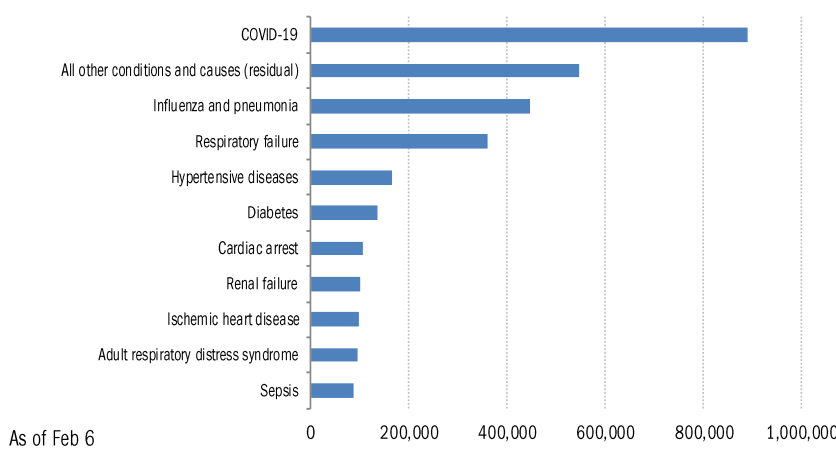


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



The CDC website now omits the following text, which had been included every day for over a year:

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.

## Recommended reading

### [The New Kid on the Covid-Vaccine Block](#)

Marc Siegel  
*Wall Street Journal*  
February 14, 2022

### [What Canada's Truckers Know](#)

Mary Anastasia O'Grady  
*Wall Street Journal*  
February 14, 2022

### [Vaccine scientists have been chasing variants. Now, they're seeking a universal coronavirus vaccine.](#)

Carolyn Y. Johnson  
*Washington Post*  
February 14, 2022

### [700 Days Since Lockdown](#)

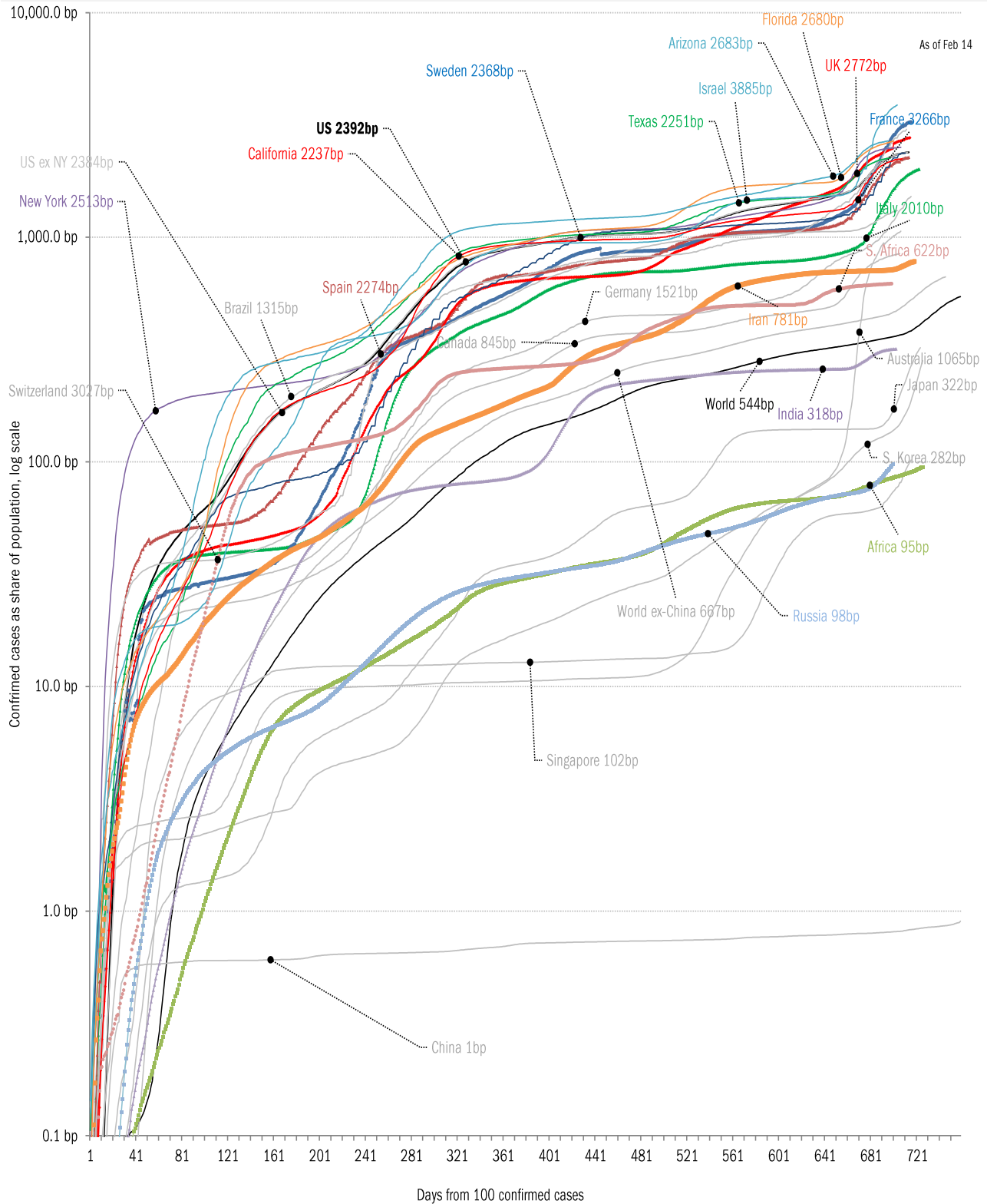
Linda Jacobson  
*The 74*  
February 14, 2022

## Meme of the day



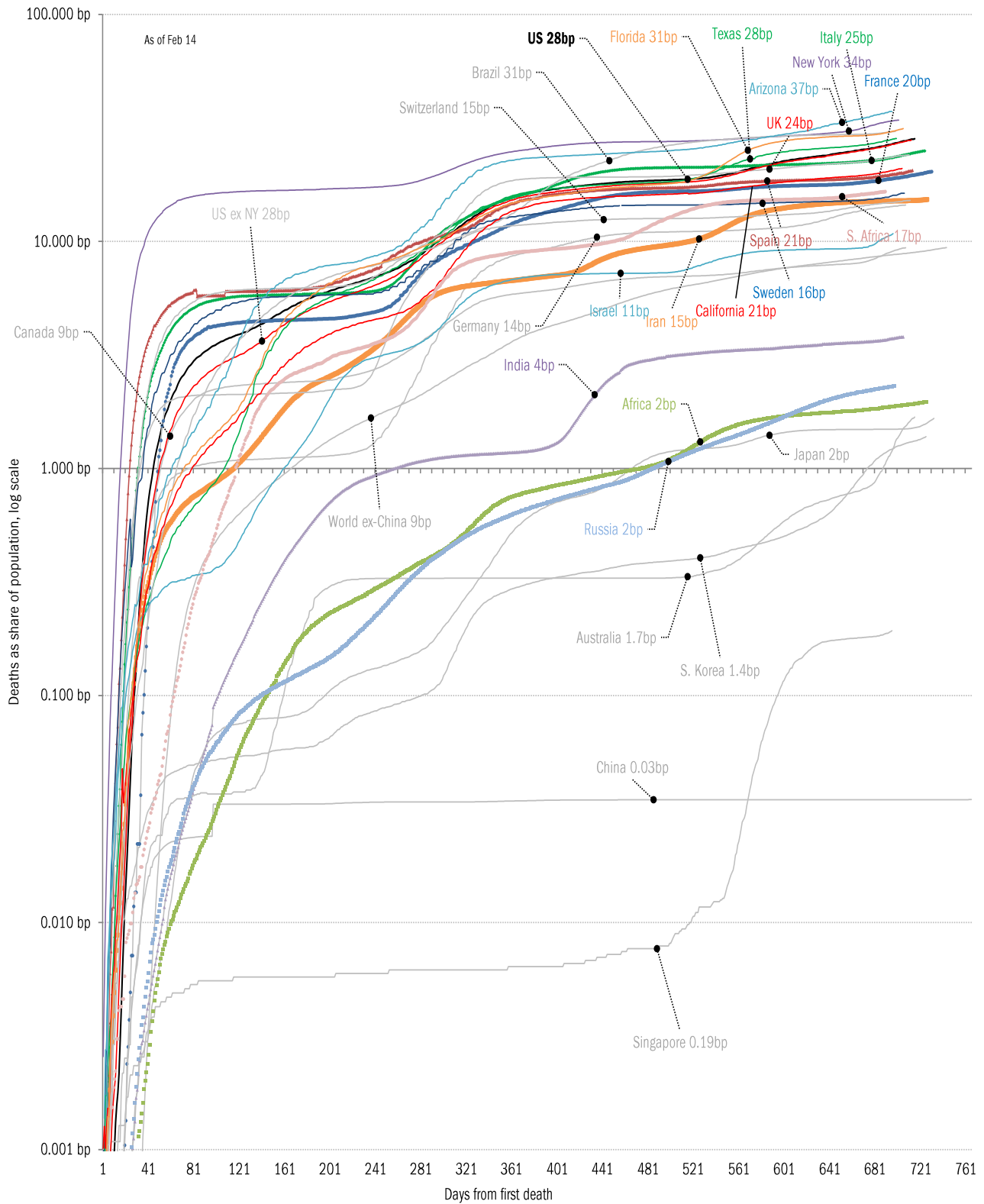
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



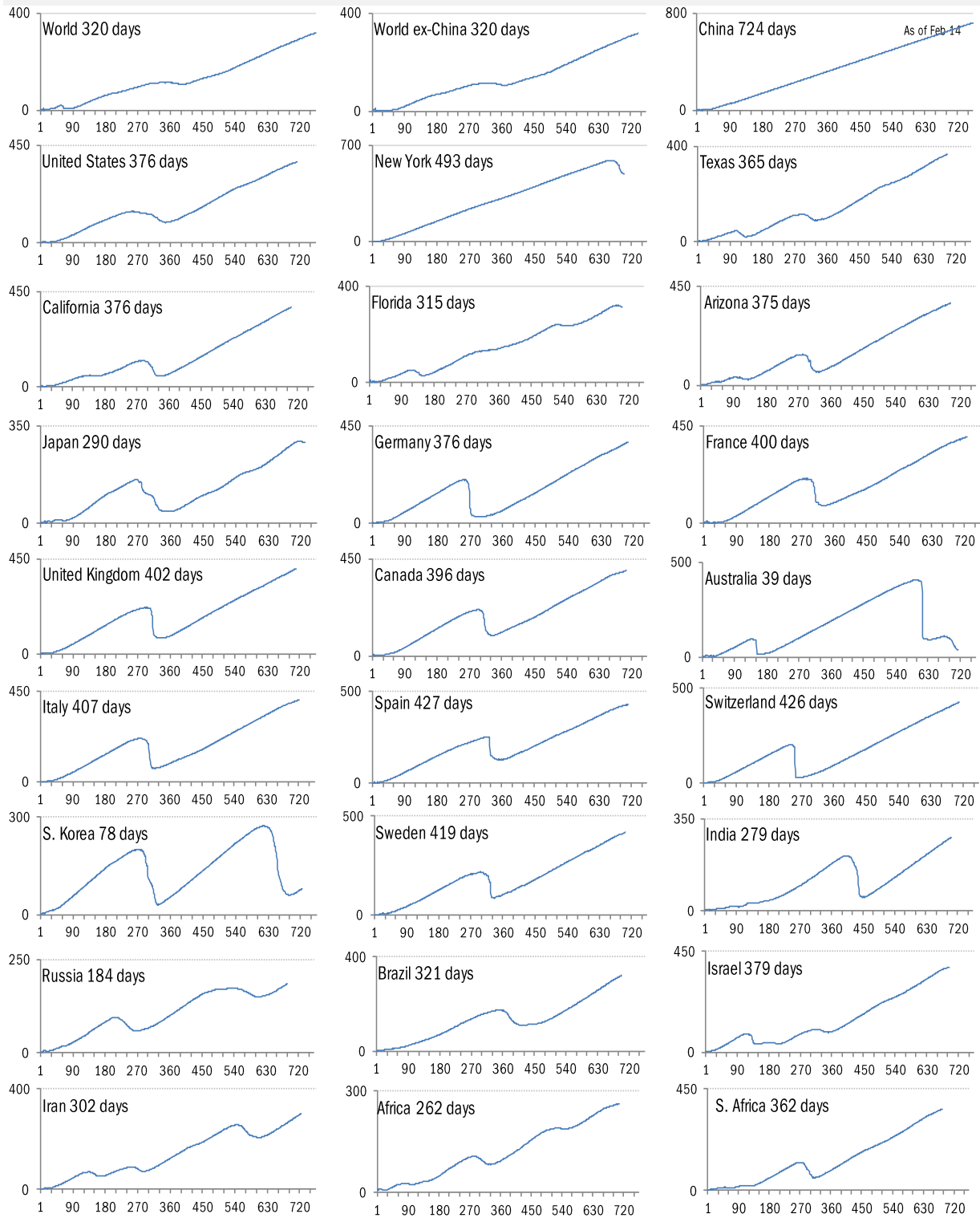
Source: [Johns Hopkins](#), TrendMacro calculations



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

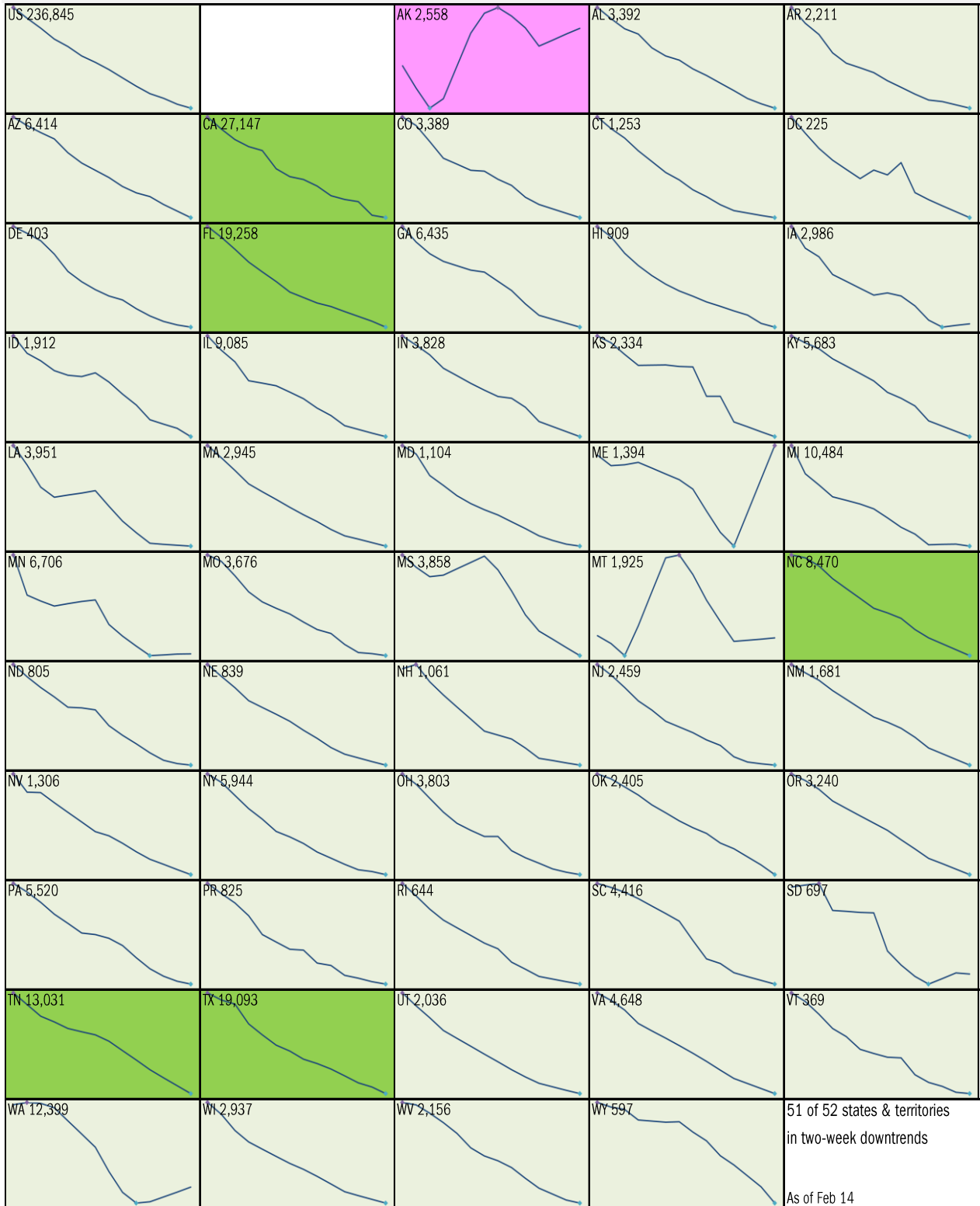
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



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

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

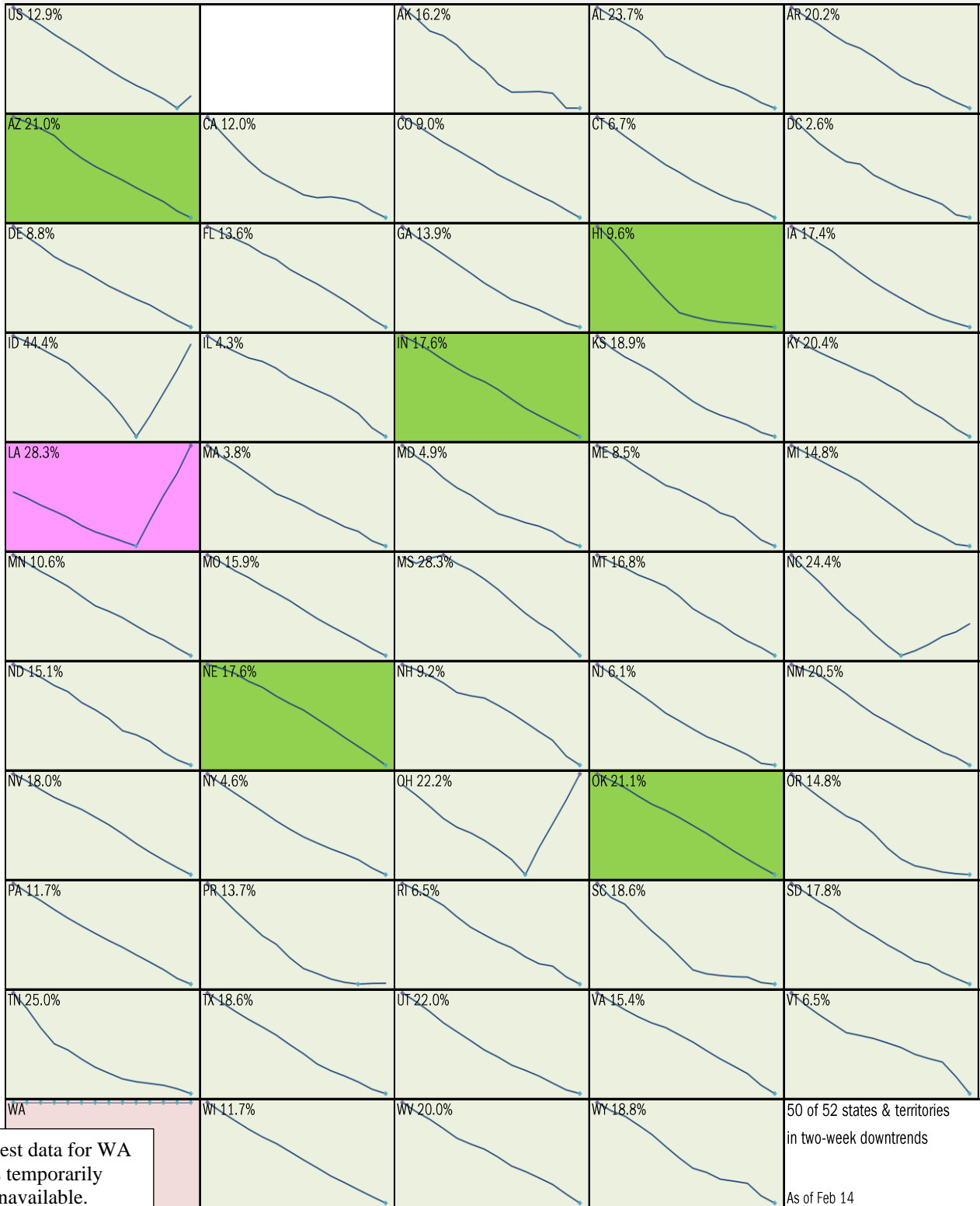


Source: [Johns Hopkins](#), TrendMacro calculations

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



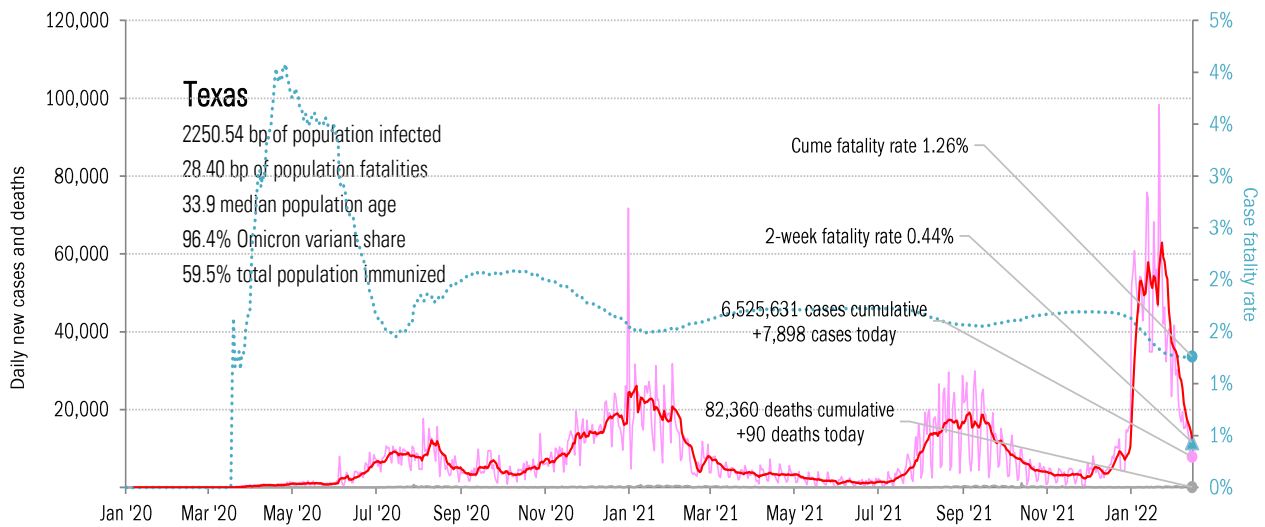
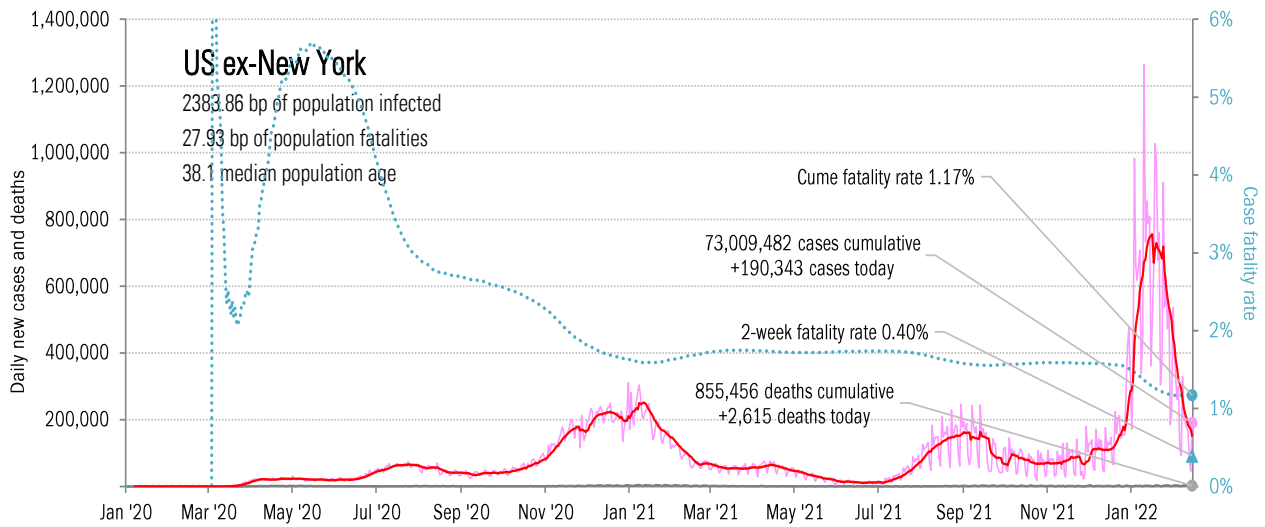
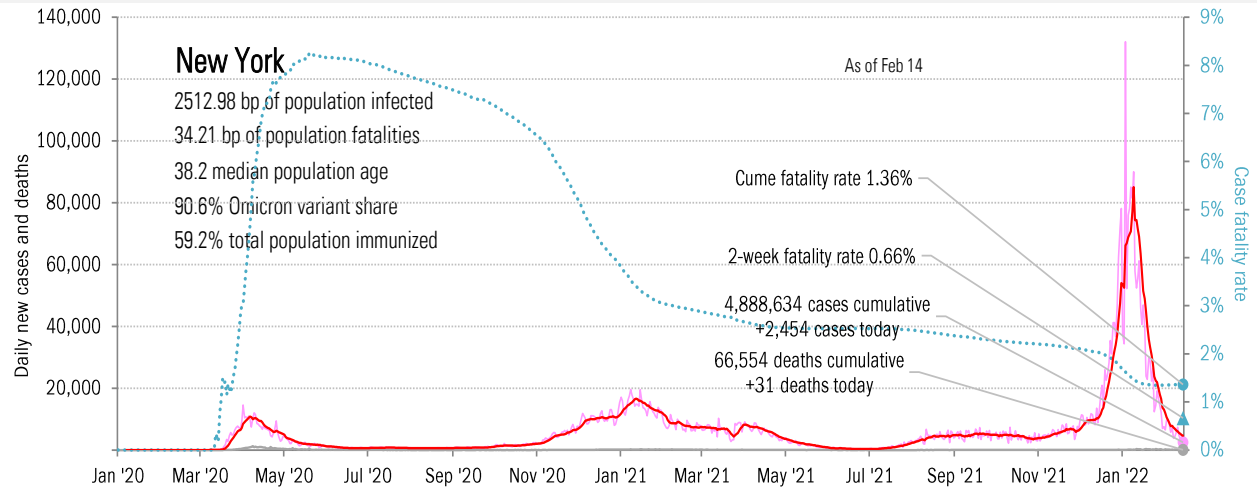
50 of 52 states & territories in two-week downtrends  
As of Feb 14

Test data for WA is temporarily unavailable.

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

# From Ground Zero to the Rio Grande

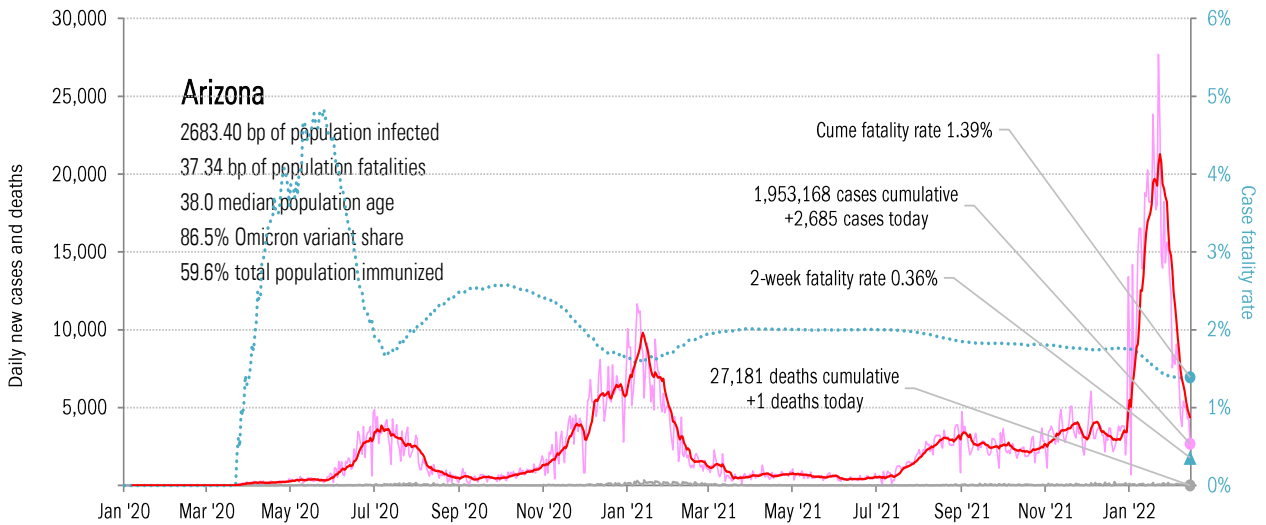
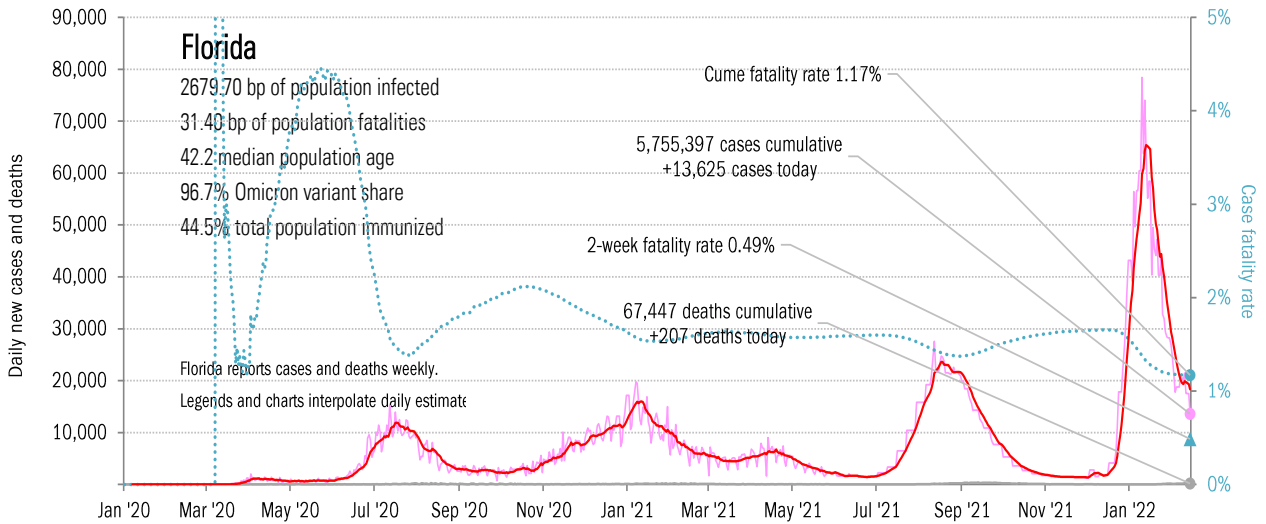
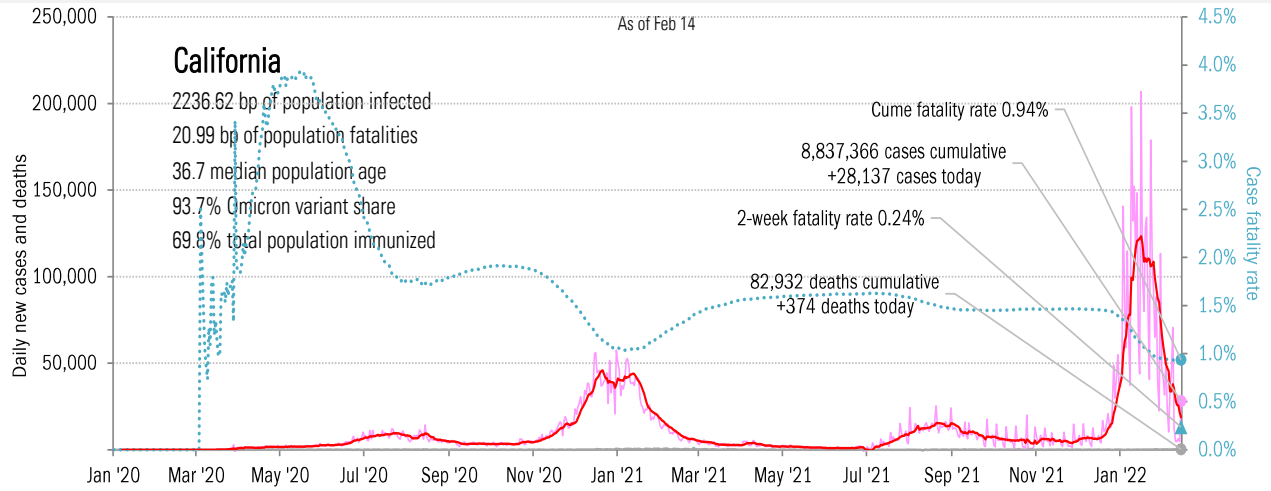
Cases: 7-day average and daily Deaths: Daily



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

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

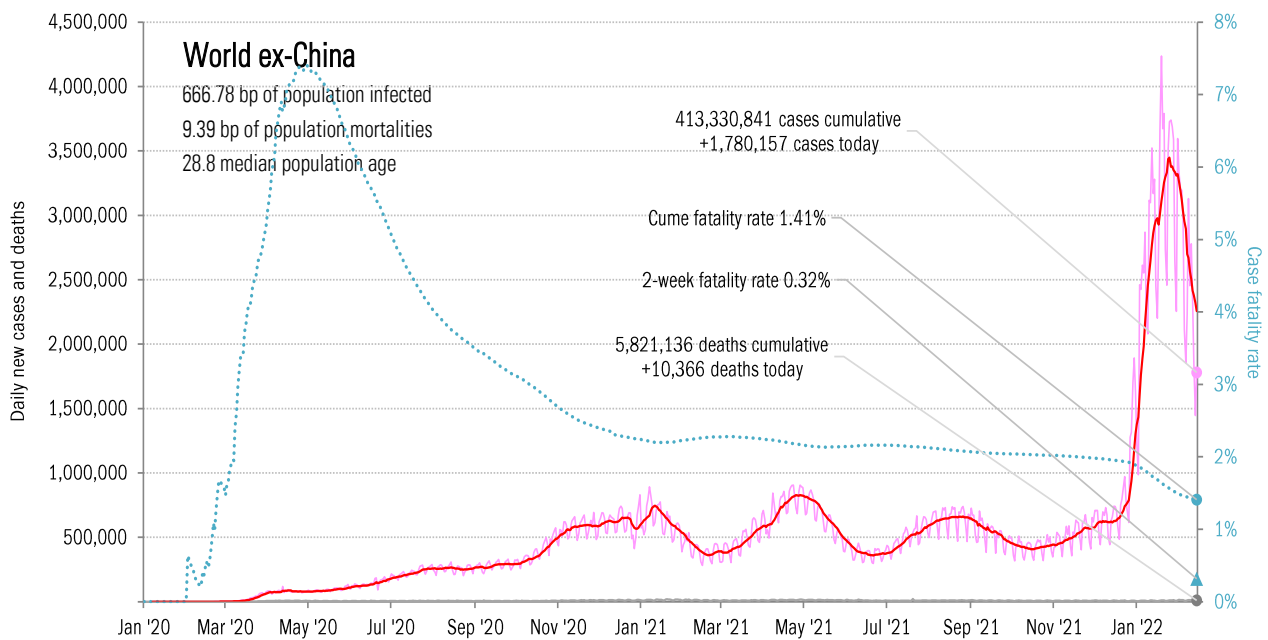
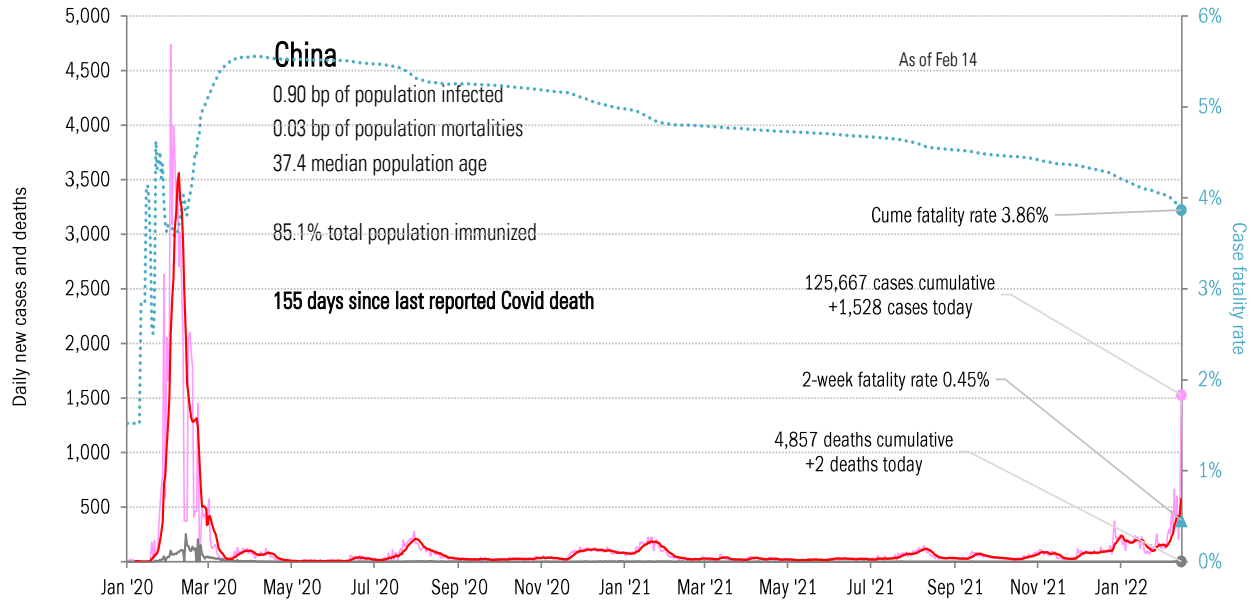
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

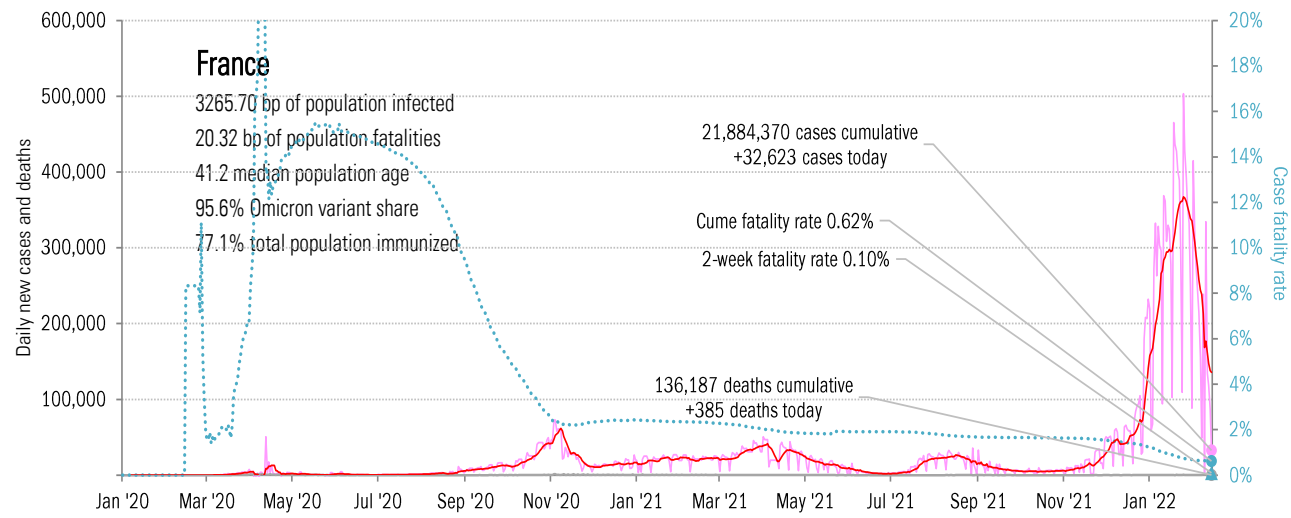
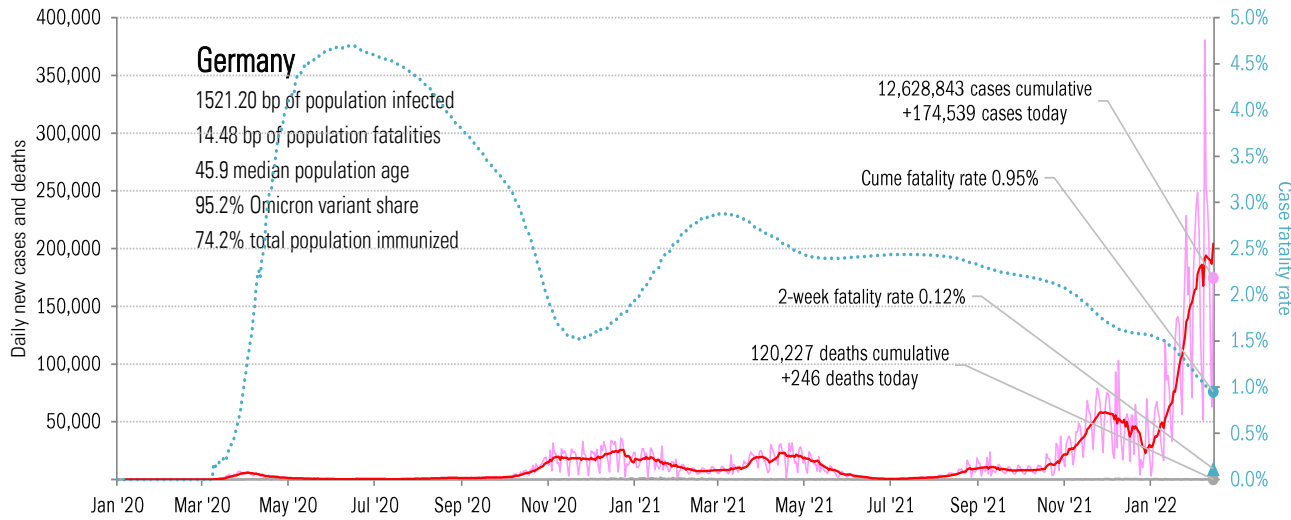
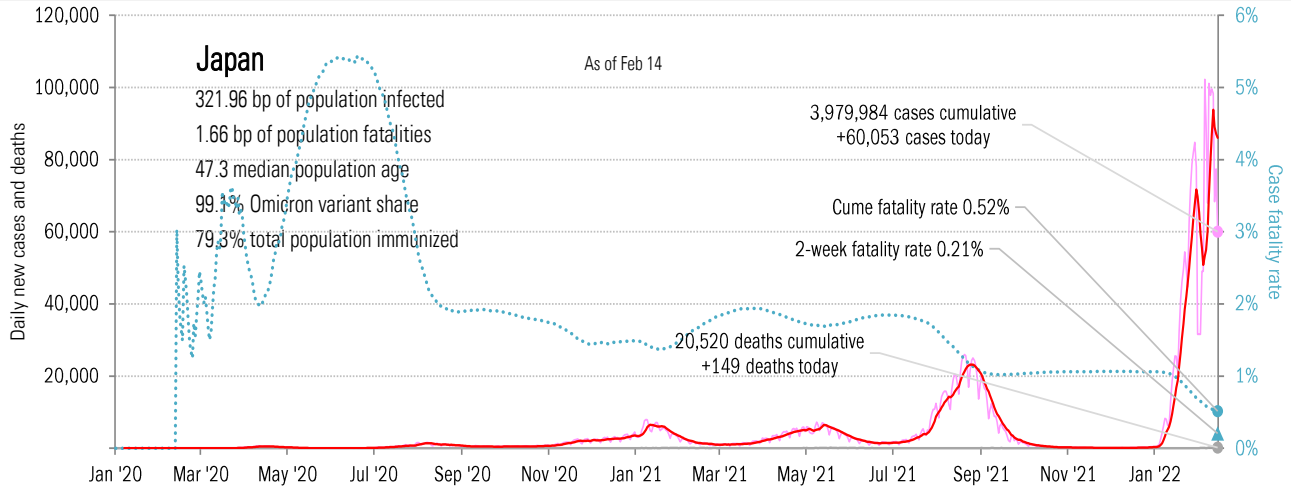
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

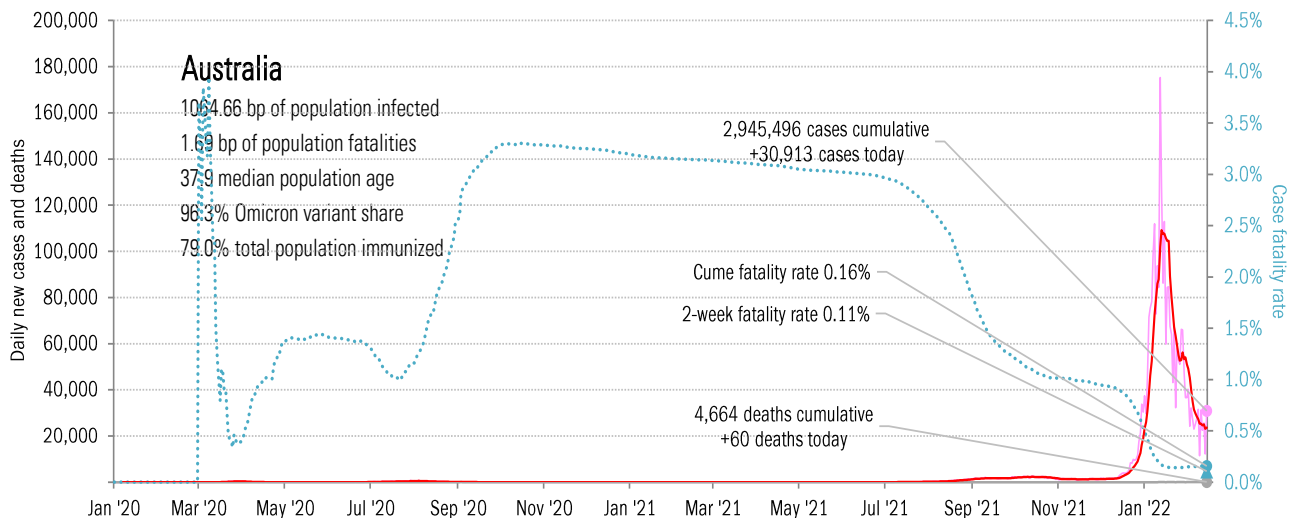
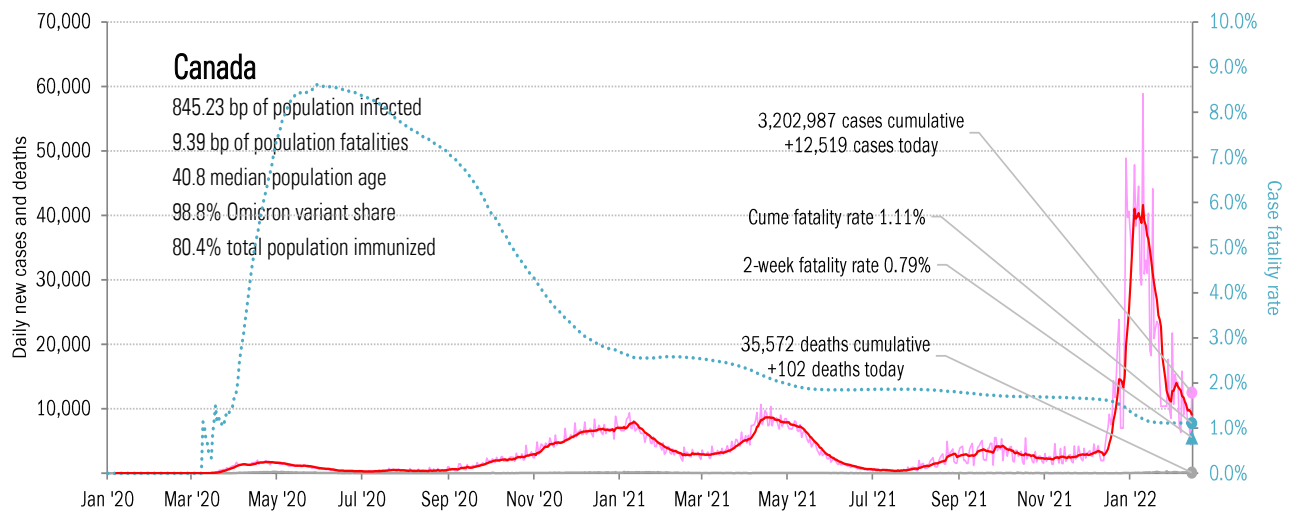
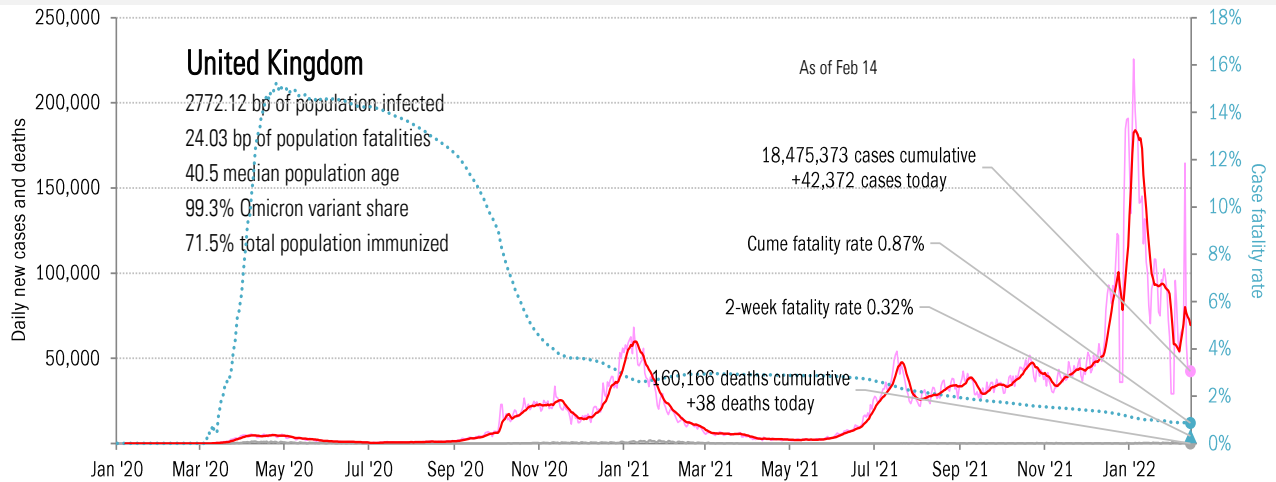
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

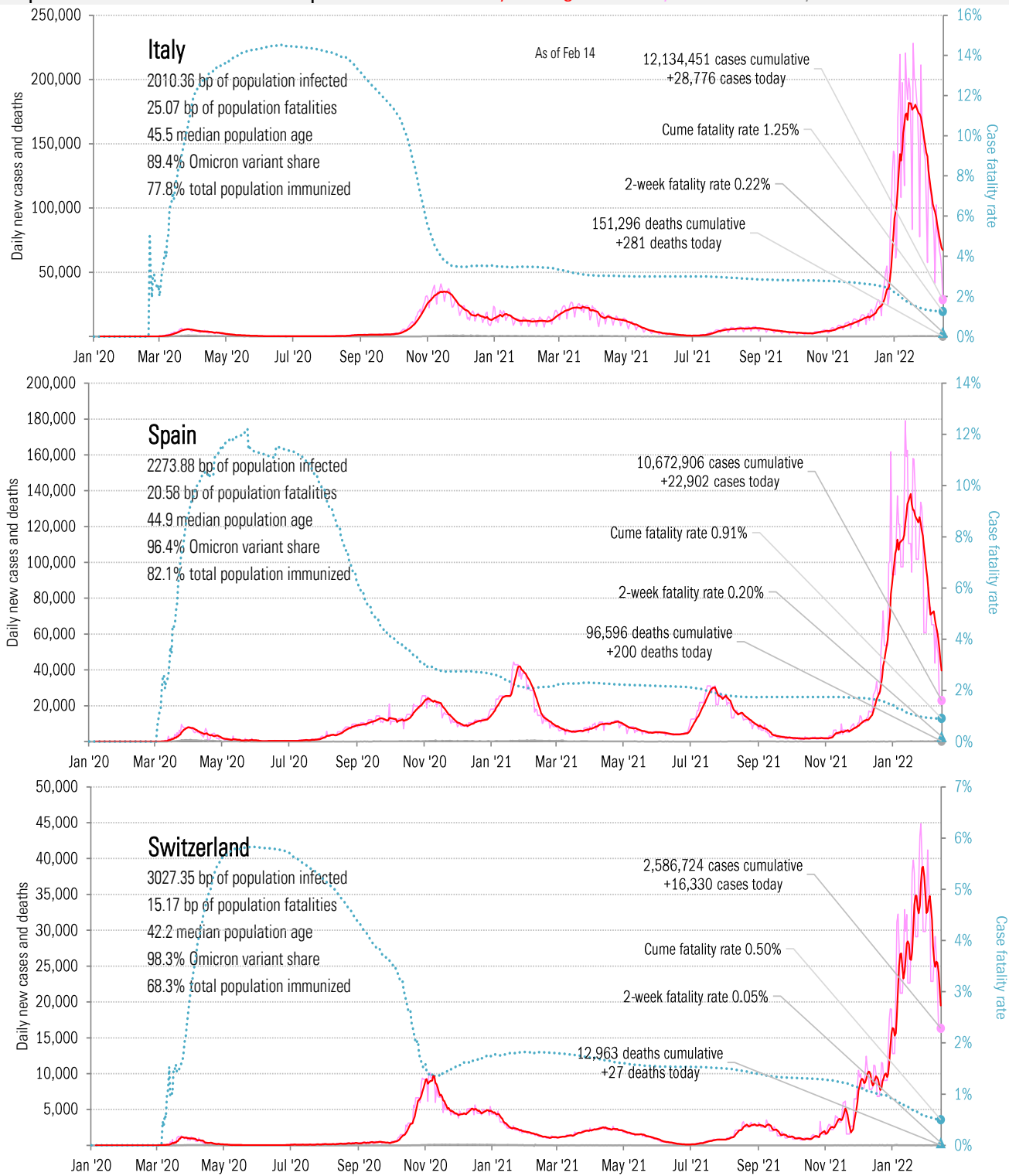


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

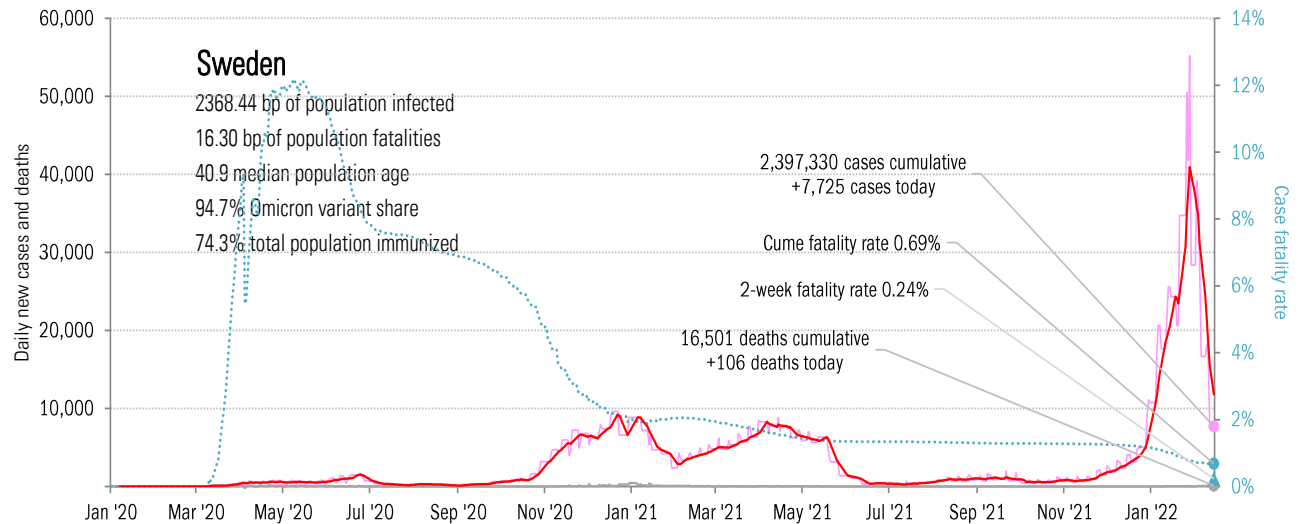
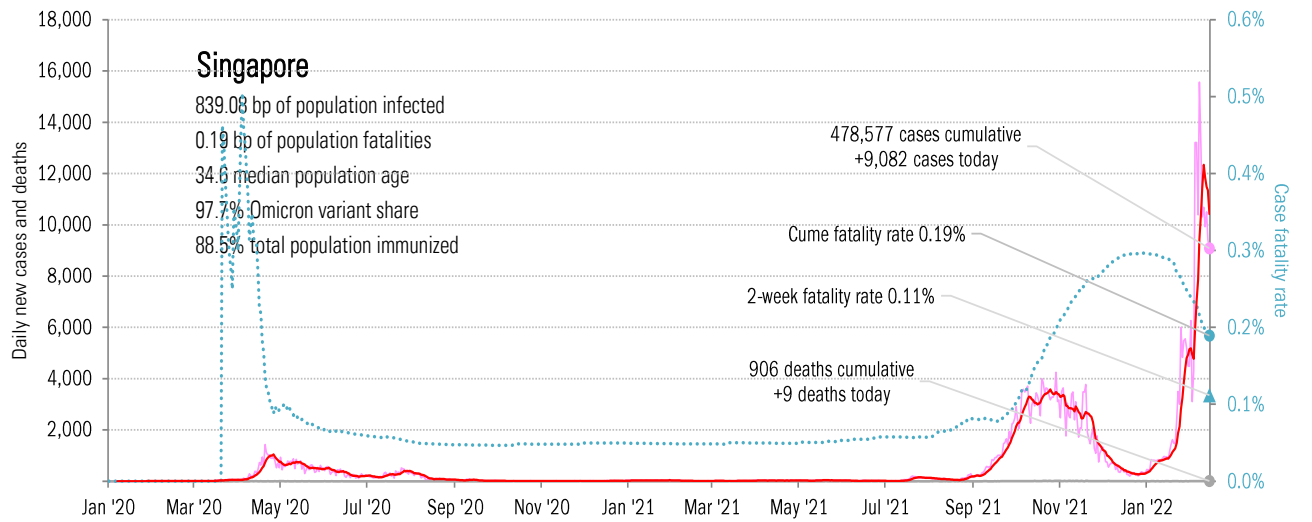
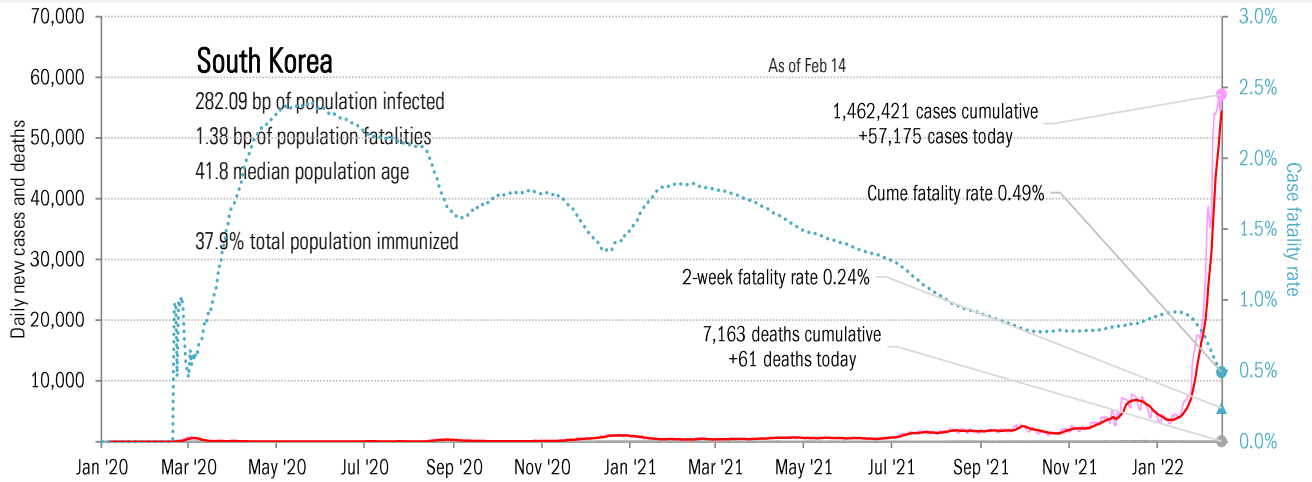
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

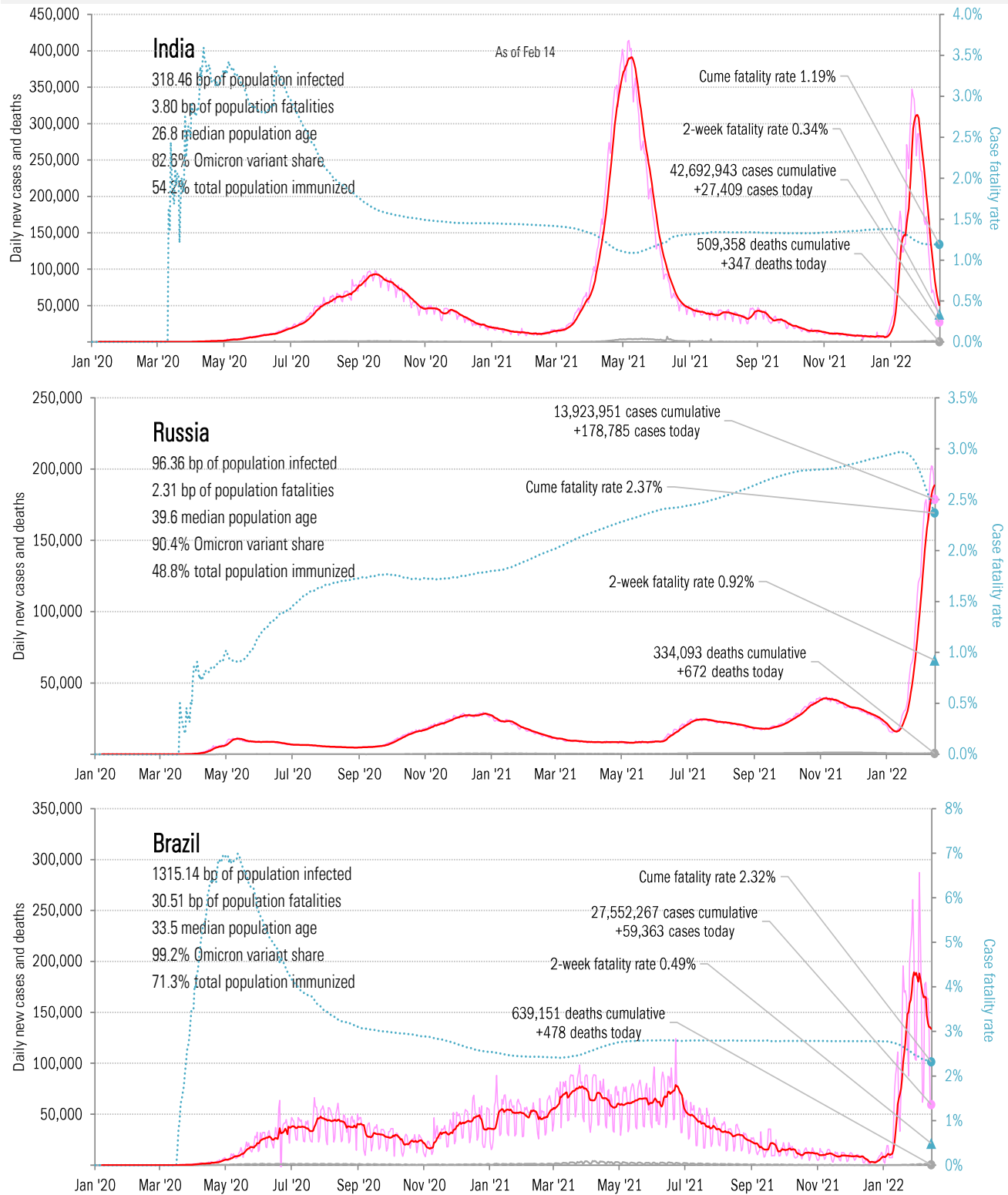
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

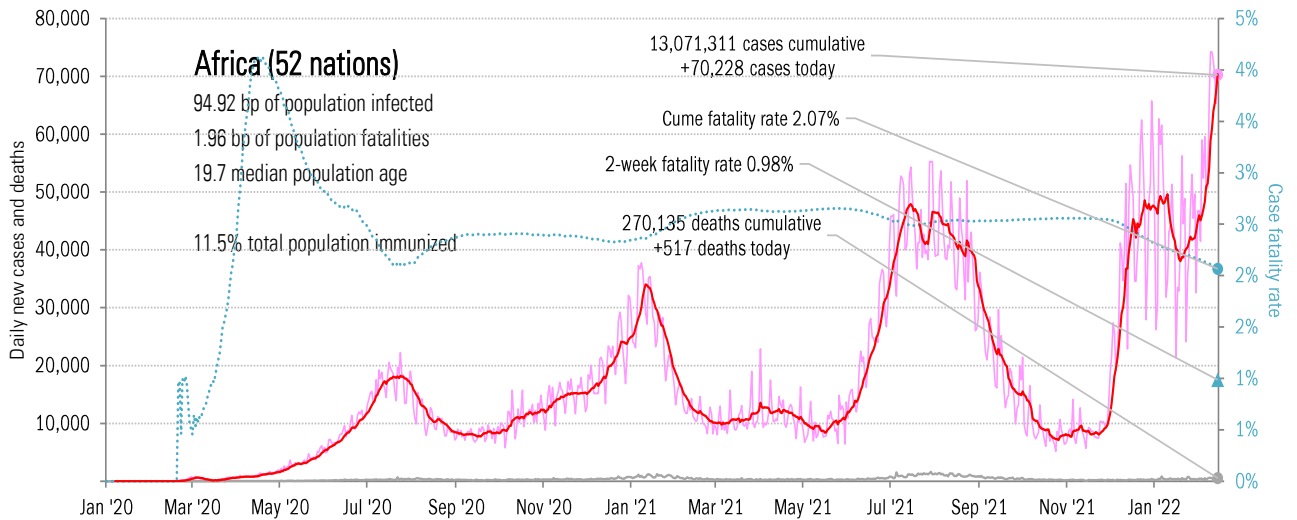
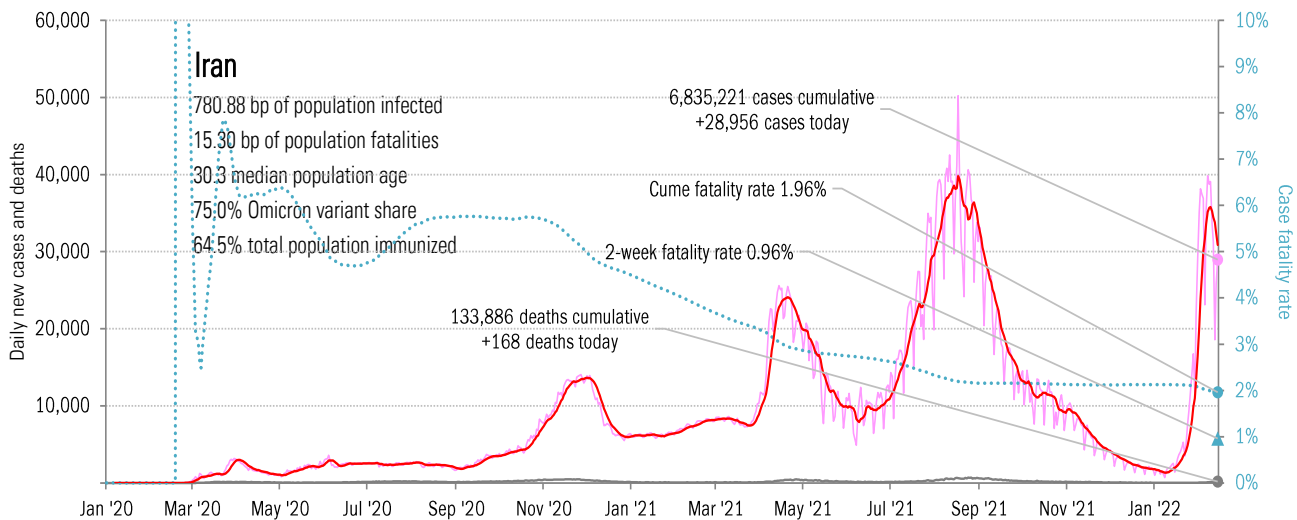
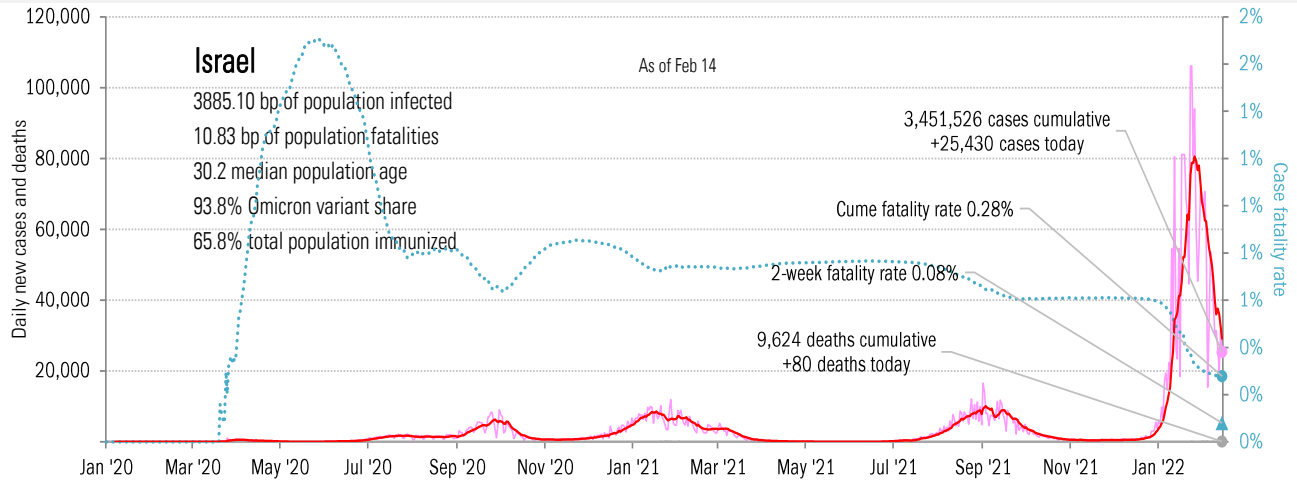
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

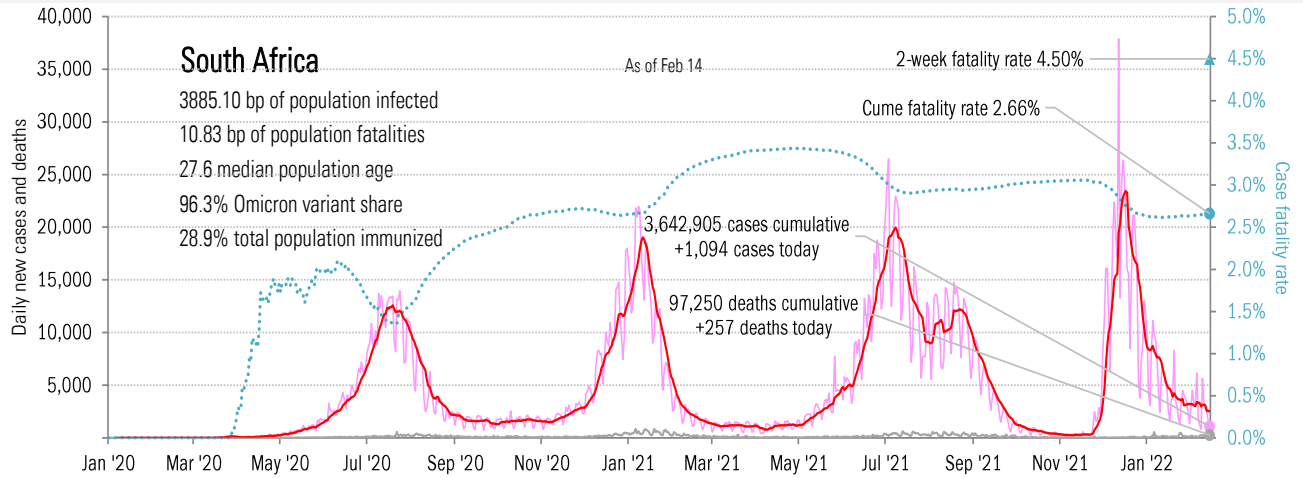
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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