

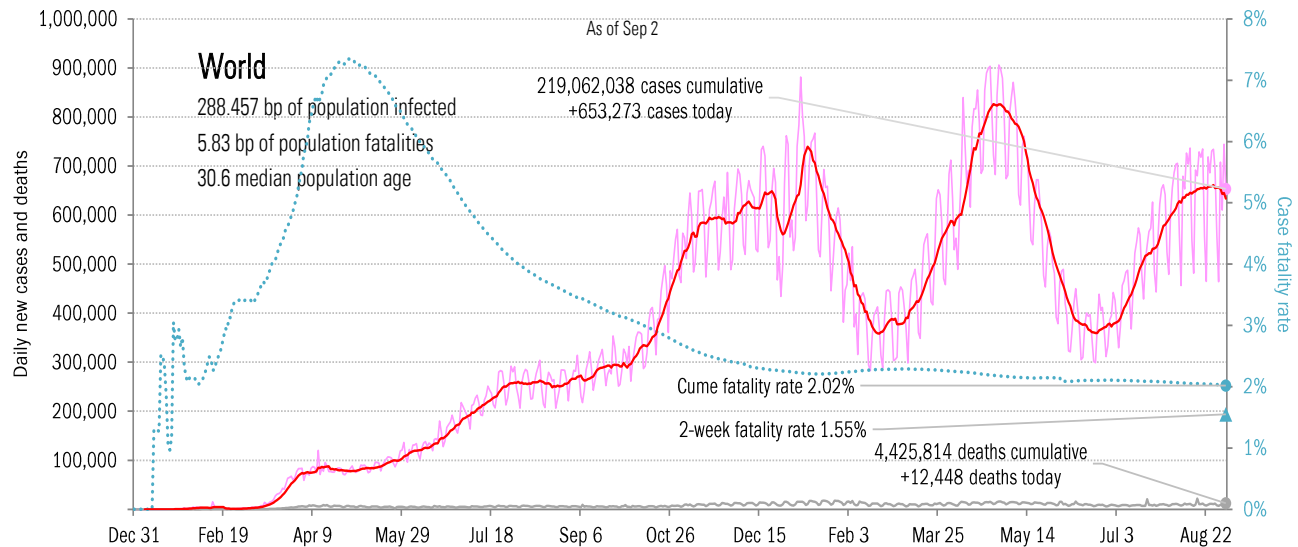
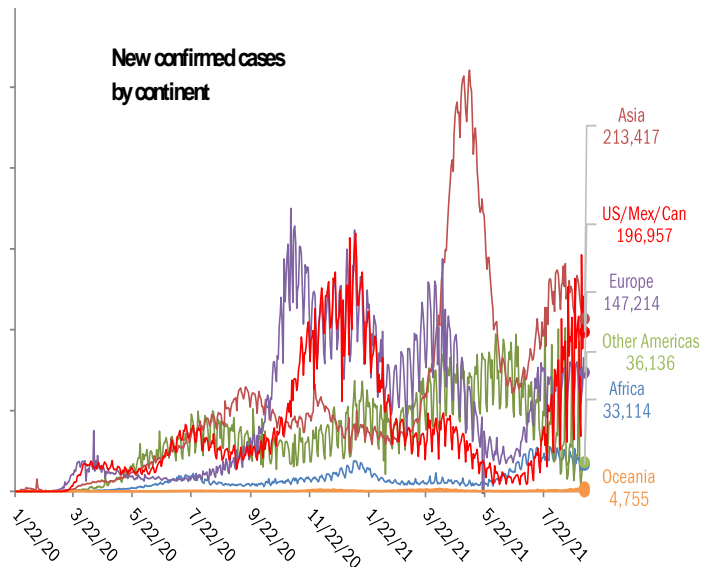
## Data Insights: Covid-2019 Monitor

Friday, September 3, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+174,823	United States	+1,588
India	+45,352	Mexico	+993
United Kingdom	+37,982	Russia	+779
Iran	+30,279	Brazil	+764
Brazil	+26,280	Iran	+595
Malaysia	+20,988	South Africa	+418
Thailand	+20,533	India	+366
Russia	+18,591	Vietnam	+270
Japan	+18,310	Thailand	+262
Mexico	+18,138	Malaysia	+249
<b>+411,276</b>		<b>+6,284</b>	
World	+653,273	World	+12,448
Top ten	63%	Top ten	50%



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

### For more information contact us:

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

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

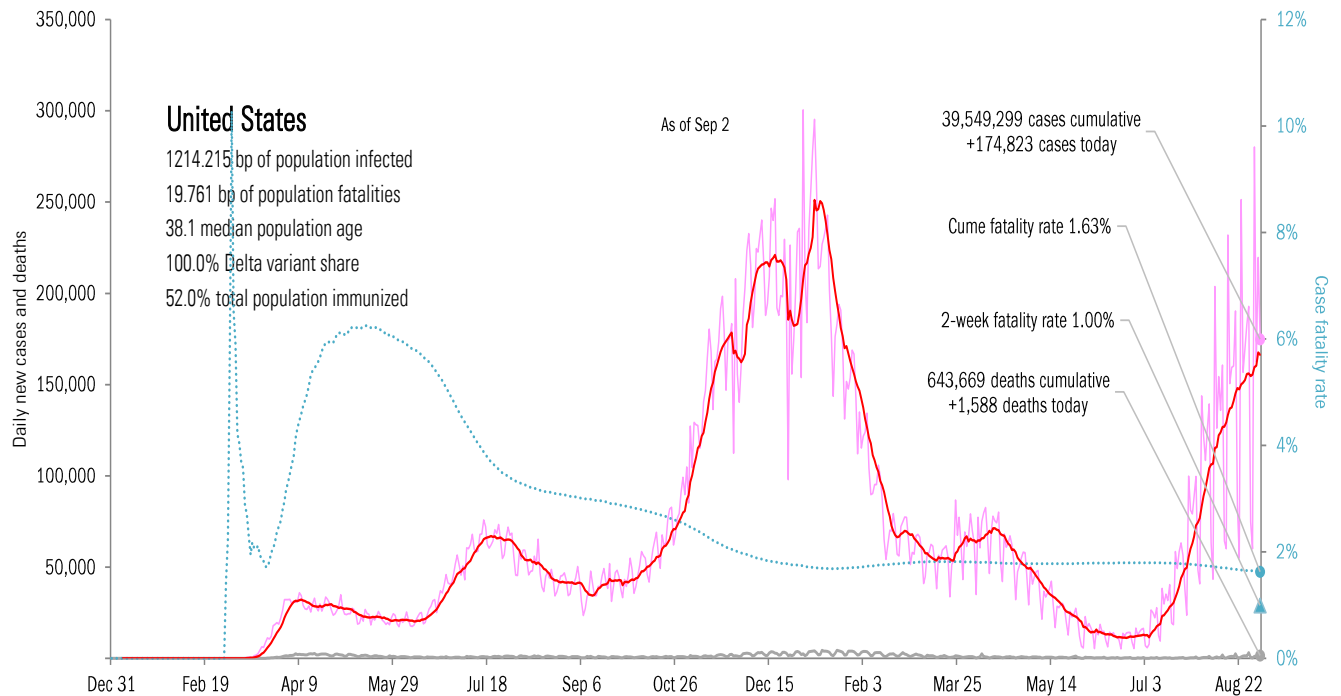
## The ten worst US states

New cases			New Deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+21,680		TX	+323	KY	+112	CA	4,394,711	CA	66,182	TX	323,450	GA	90%	AL	104%	TX	96%	
TX	+21,582		FL	+208	CH	+95	TX	3,661,241	TX	57,704	CA	280,518	MA	87%	GA	96%	MA	96%	
CA	+11,559		CA	+146	TN	+70	FL	3,223,249	NY	54,333	FL	280,268	RI	86%	FL	94%	RI	94%	
GA	+8,412		GA	+136	WI	+53	NY	2,288,001	FL	44,423	NY	147,553	MD	85%	TX	93%	MD	93%	
NC	+7,901		NC	+96	GA	+46	IL	1,532,344	PA	28,325	GA	137,338	FL	85%	CK	91%	FL	91%	
CH	+7,087		PA	+90	TX	+45	GA	1,421,696	NJ	26,919	PA	98,651	SC	84%	MS	91%	SC	91%	
SC	+5,523		LA	+74	NC	+32	PA	1,308,284	IL	26,463	CH	98,365	MO	83%	AR	90%	MO	90%	
KY	+5,432		SC	+59	VA	+26	CH	1,235,089	GA	23,006	KY	95,143	PA	83%	LA	90%	PA	90%	
AL	+5,312		IL	+51	WA	+23	NC	1,228,803	MI	21,616	IL	93,231	TX	82%	KY	89%	TX	89%	
NY	+5,165		NY	+51	AR	+19	NJ	1,096,791	CH	20,866	MI	78,239	CT	81%	ID	88%	CT	88%	
+99,653			+1,234		+521		21,390,209			369,837			1,632,756						
All states	+174,823		+1,796		-35		All states	39,549,299	643,669			2,888,730			All states	70%	67%		
Top ten	57%		69%		-1489%		Top ten	54%	57%			57%			Median	77%	80%		

Some states not reporting

## Five most improved US states

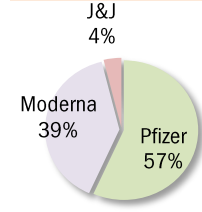
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-10,804	CK	-189	PA	-91	GA	+70 bp
LA	-10,281	LA	-149	FL	-85	MS	+70 bp
IA	-8,308	MI	-69	CR	-81	AR	+30 bp
TN	-6,220	MS	-64	IN	-73	UT	+30 bp
TX	-5,831	AZ	-41	GA	-67	CT	+20 bp



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	One dose	% Pop	Immune	% pop	New immune today			
	382,533,015				+0.864 million	US	52.0%	61.2%
Total population	210,878,797	63%	179,430,023	54%	+0.381 million	UK	63.1%	70.6%
Age 12 to 17	12,624,601	53%	9,647,646	41%	+0.064 million	France	60.2%	72.0%
Age 18 to 64	145,177,747	71%	122,620,380	60%	+0.274 million	Spain	72.0%	78.3%
Age 65 and over	52,053,740	95%	46,326,947	85%	+0.042 million	Germany	60.3%	64.9%
						Italy	61.4%	71.1%
						Australia	28.9%	48.7%
						Israel	62.6%	68.3%
						Canada	67.1%	73.6%
						Japan	47.3%	58.3%
						Africa	2.9%	5.1%
						India	11.1%	37.0%
						Brazil	29.7%	63.8%
						China	61.6%	74.3%



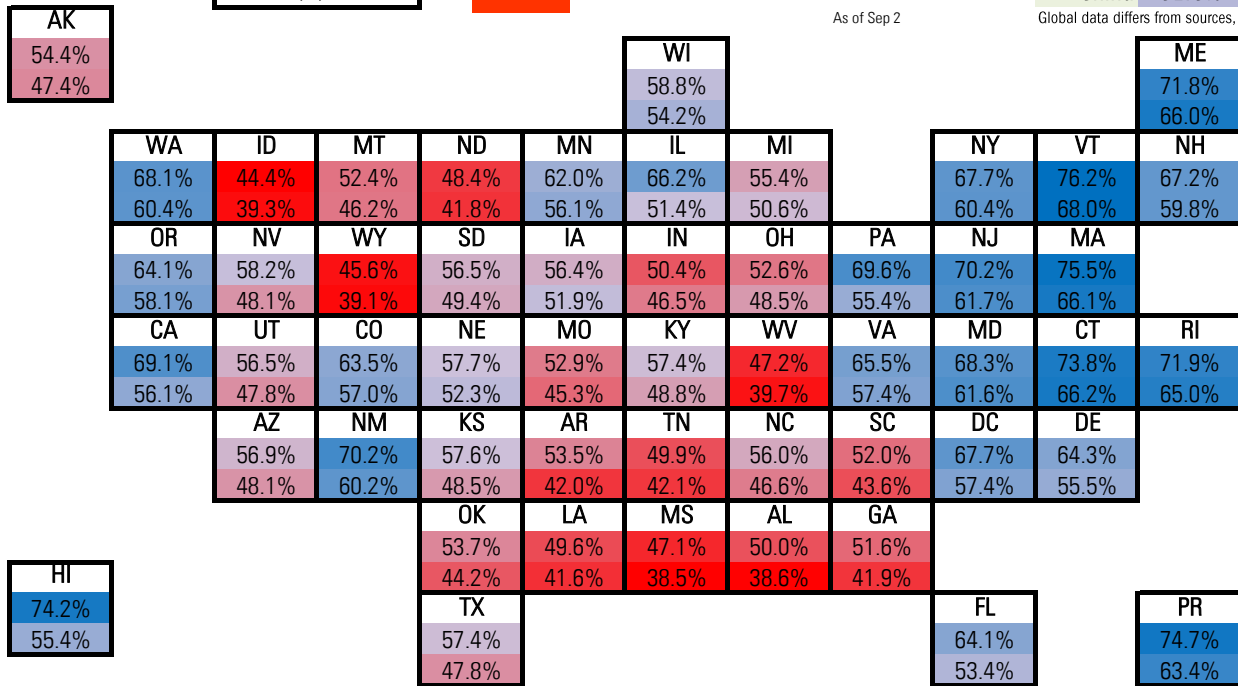
State
At least partial immunity as % population
Full immunity as % population



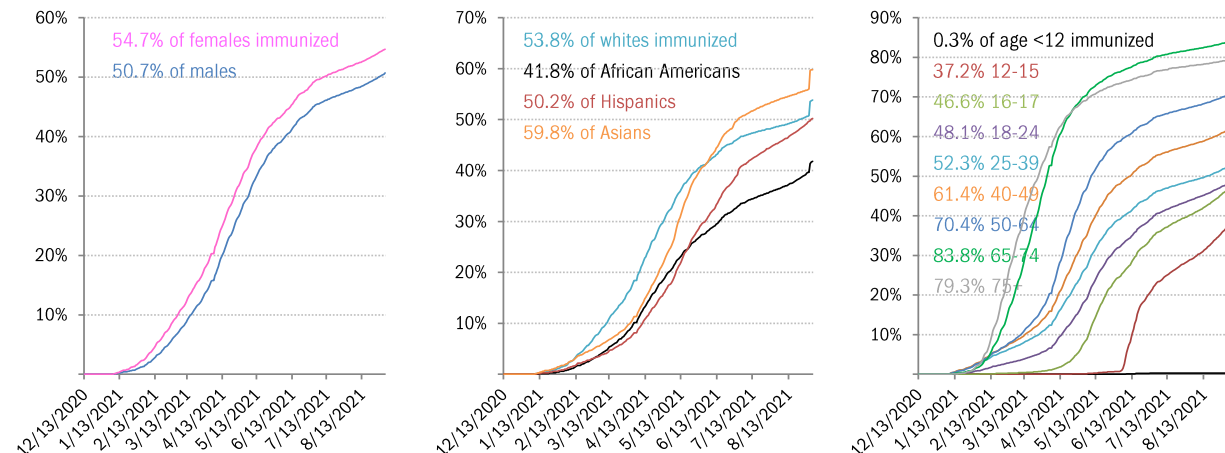
Every American >18 immune in **122 days** by Jan 2, 2022  
 65.4% of population >18 immunized  
 13.5% previously tested positive  
**78.9%** vs 60% adult herd immunity

As of Sep 2

Global data differs from sources, timing



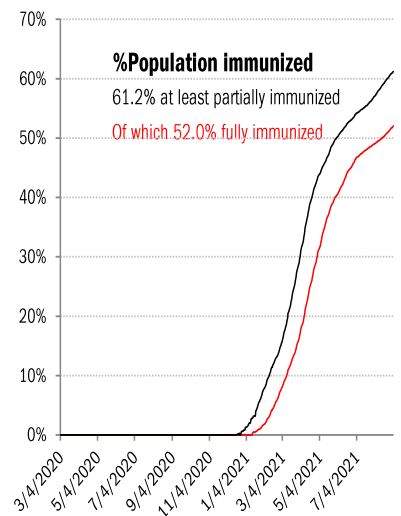
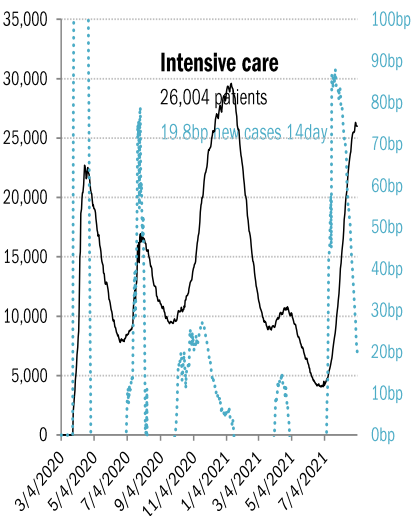
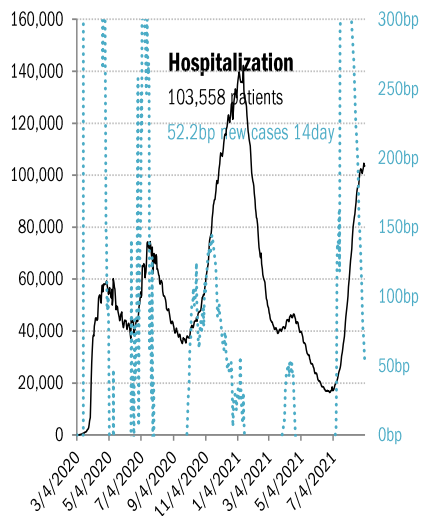
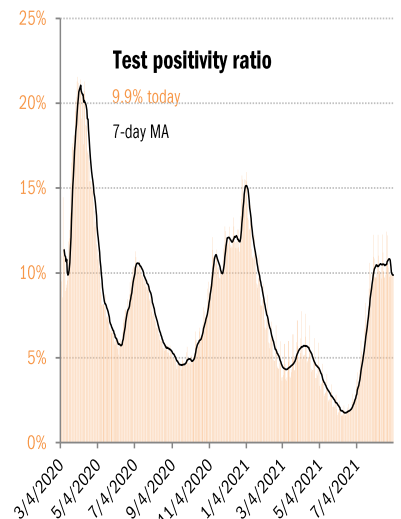
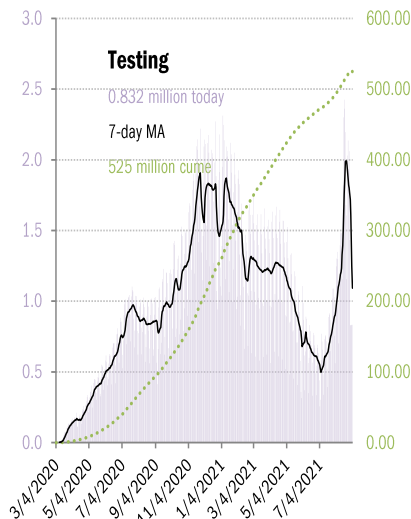
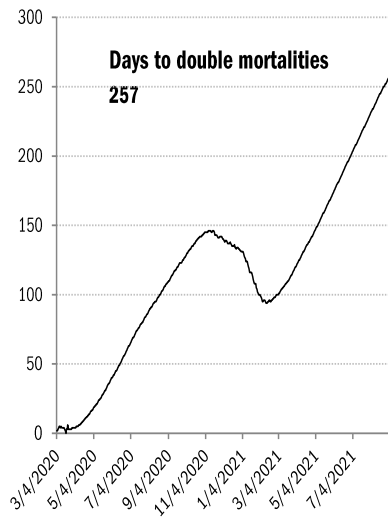
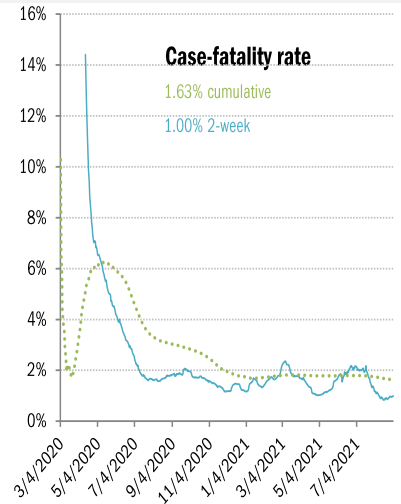
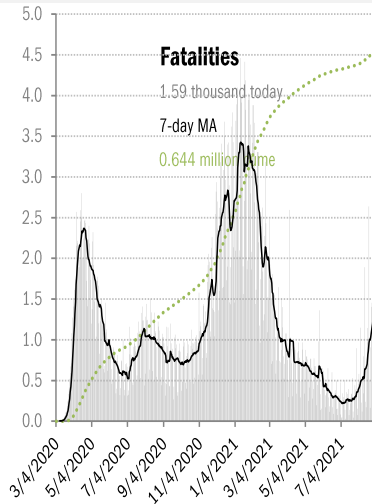
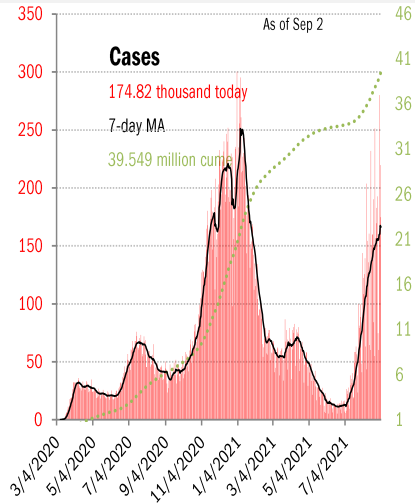
## The demographics of US vaccination



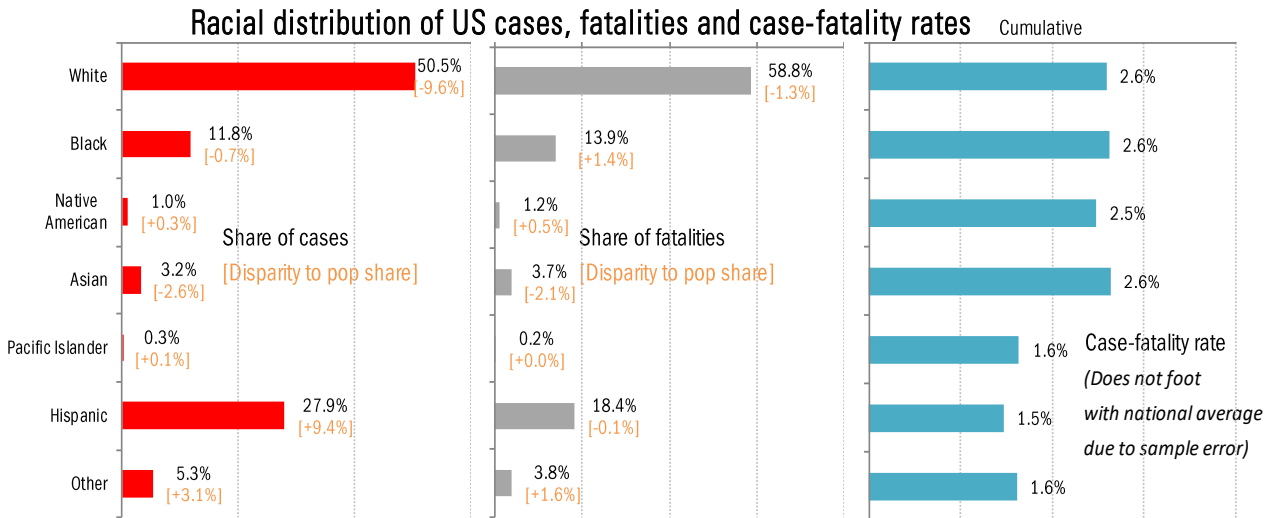
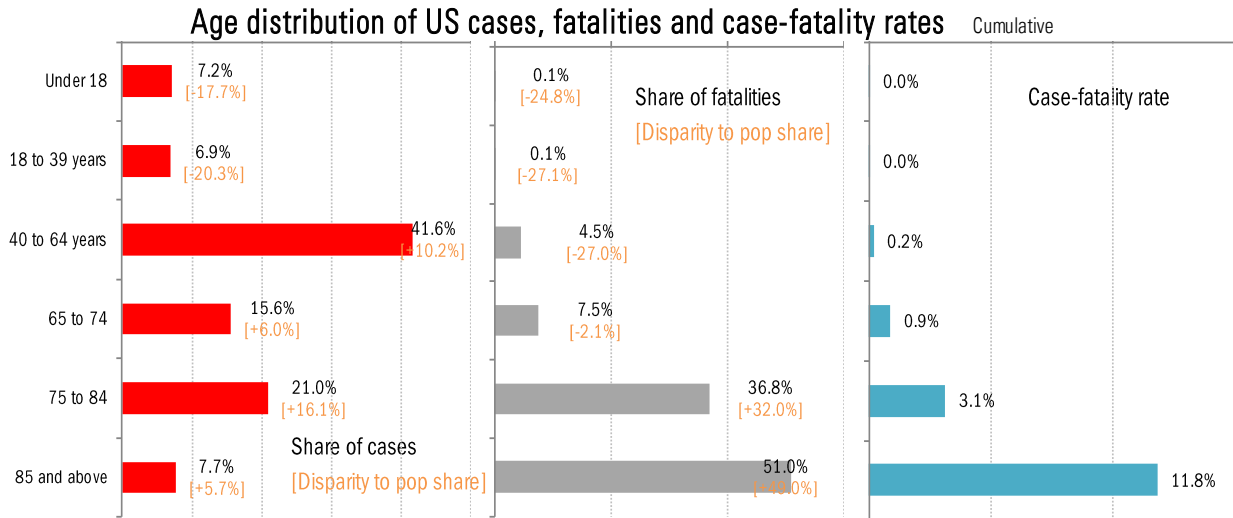
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

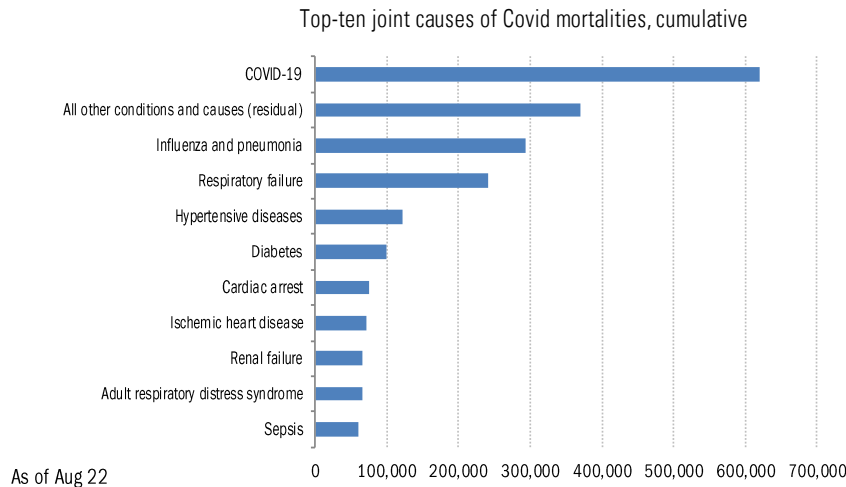
National and state-by-state data do not line up because of different sources



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



### Comorbidities



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

### [Australia Traded Away Too Much Liberty](#)

Conor Friedersdorf  
*The Atlantic*  
September 2, 2021

### [How a Single Covid Case Rocked the World's Biggest Carmaker](#)

River Davis and Tsuyoshi Inajima  
*Bloomberg*  
September 2, 2021

### [The wall of vaccine opposition might be starting to crumble](#)

*Ipsos*  
August 31, 2021

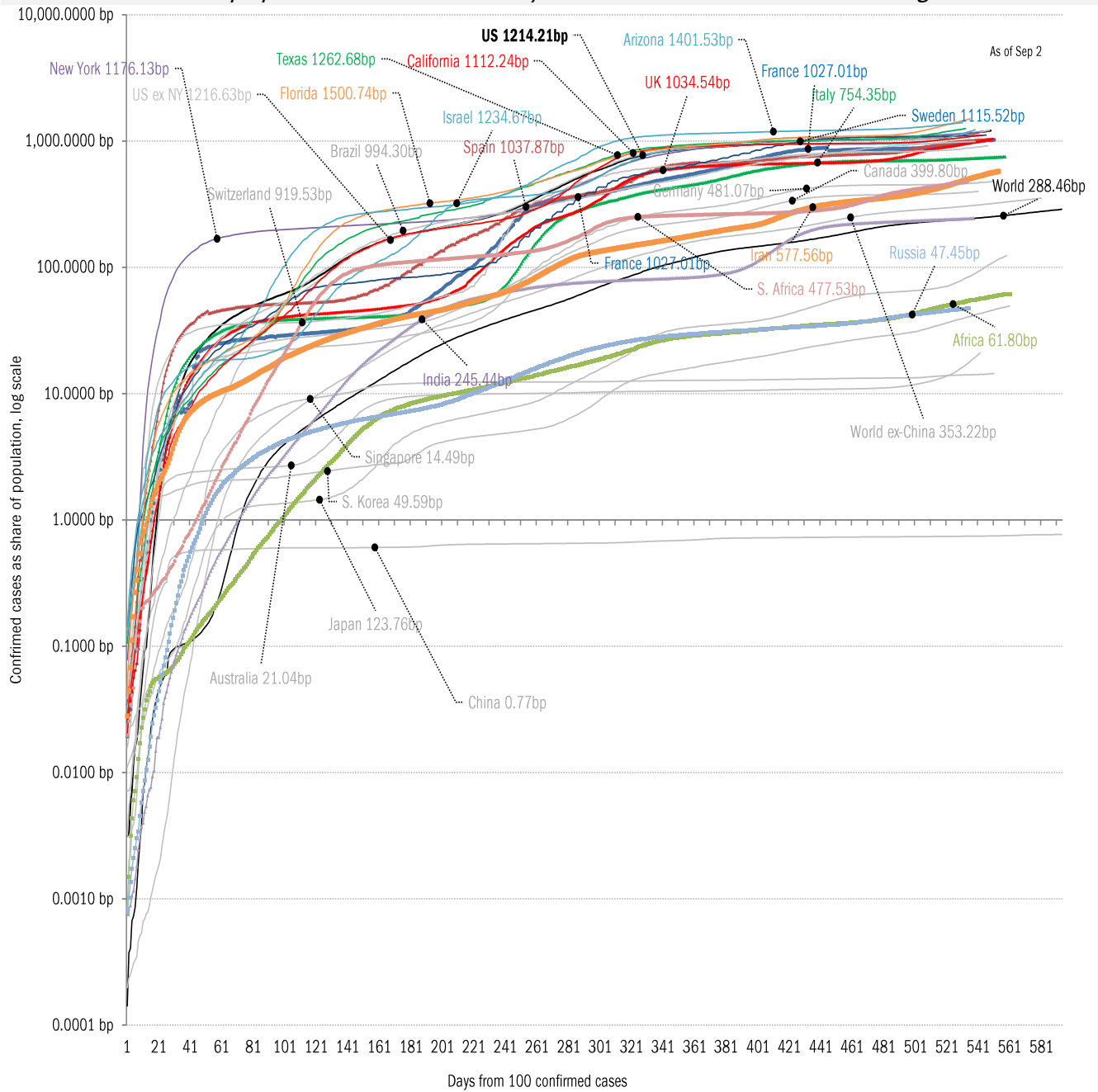
## Meme of the day



BIDEN WITHDRAWS TROOPS FROM AFGHANISTAN AND REDEPLOYS THEM IN FLORIDA TO ENFORCE CHILD MASKING.

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

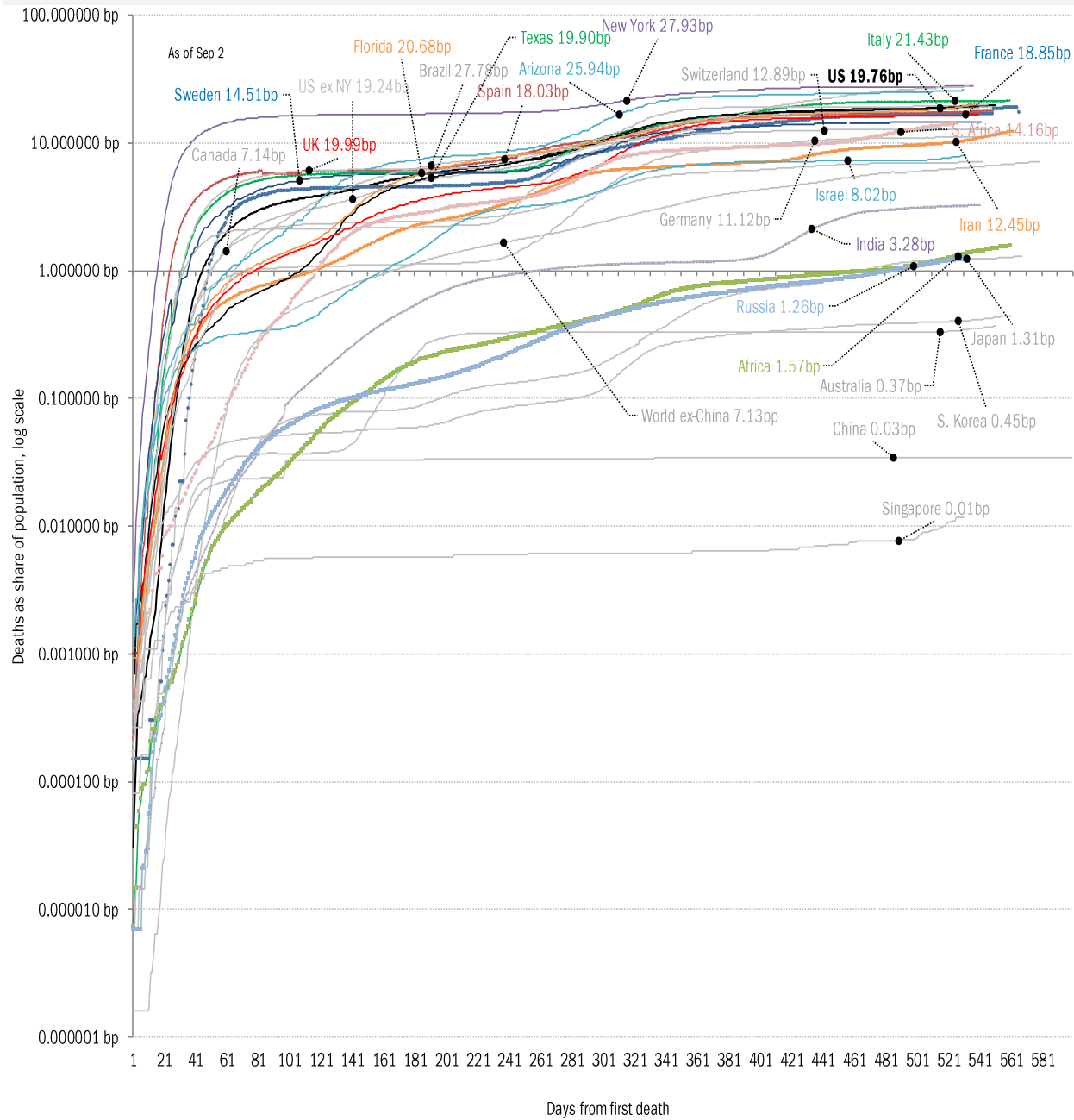
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



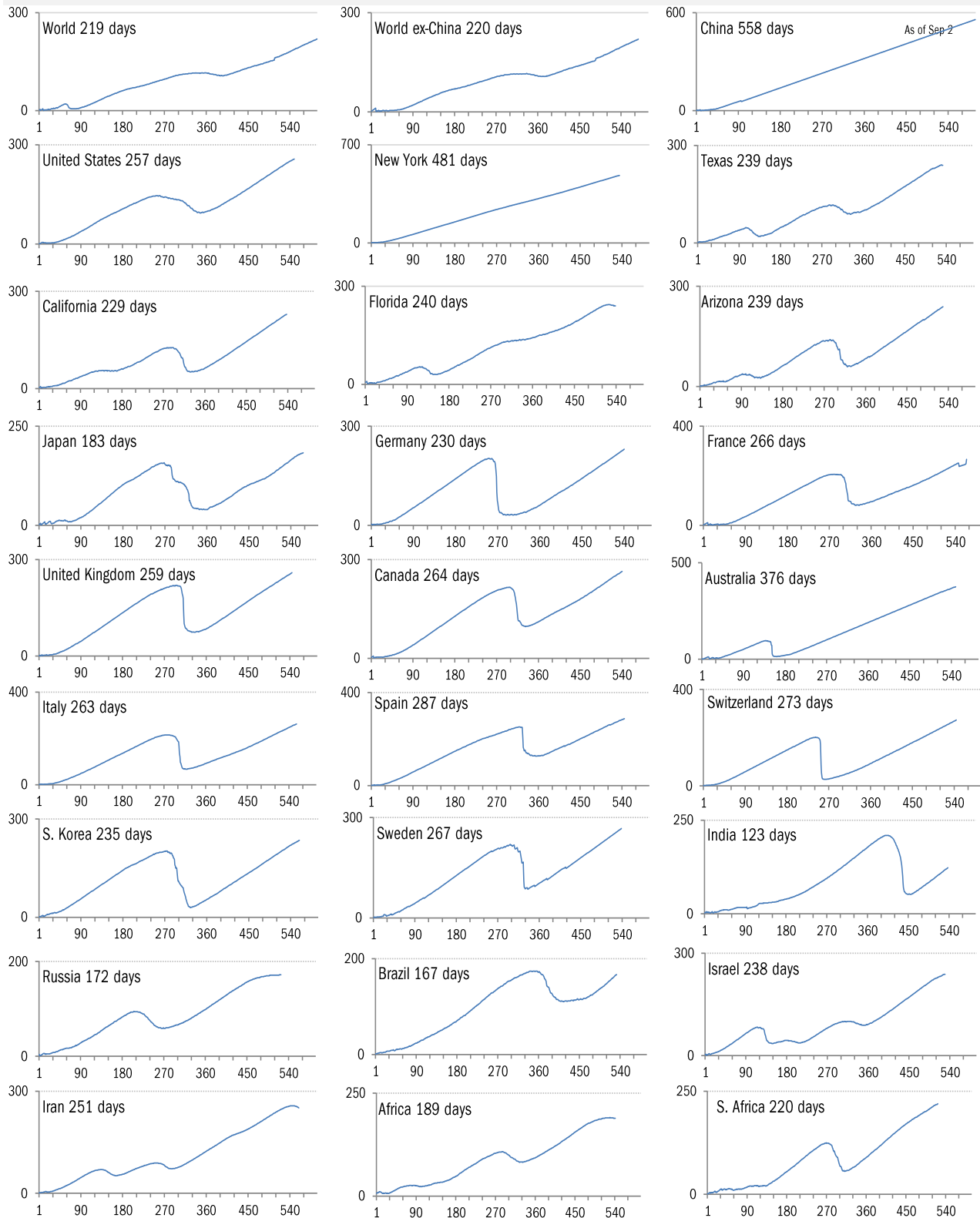
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

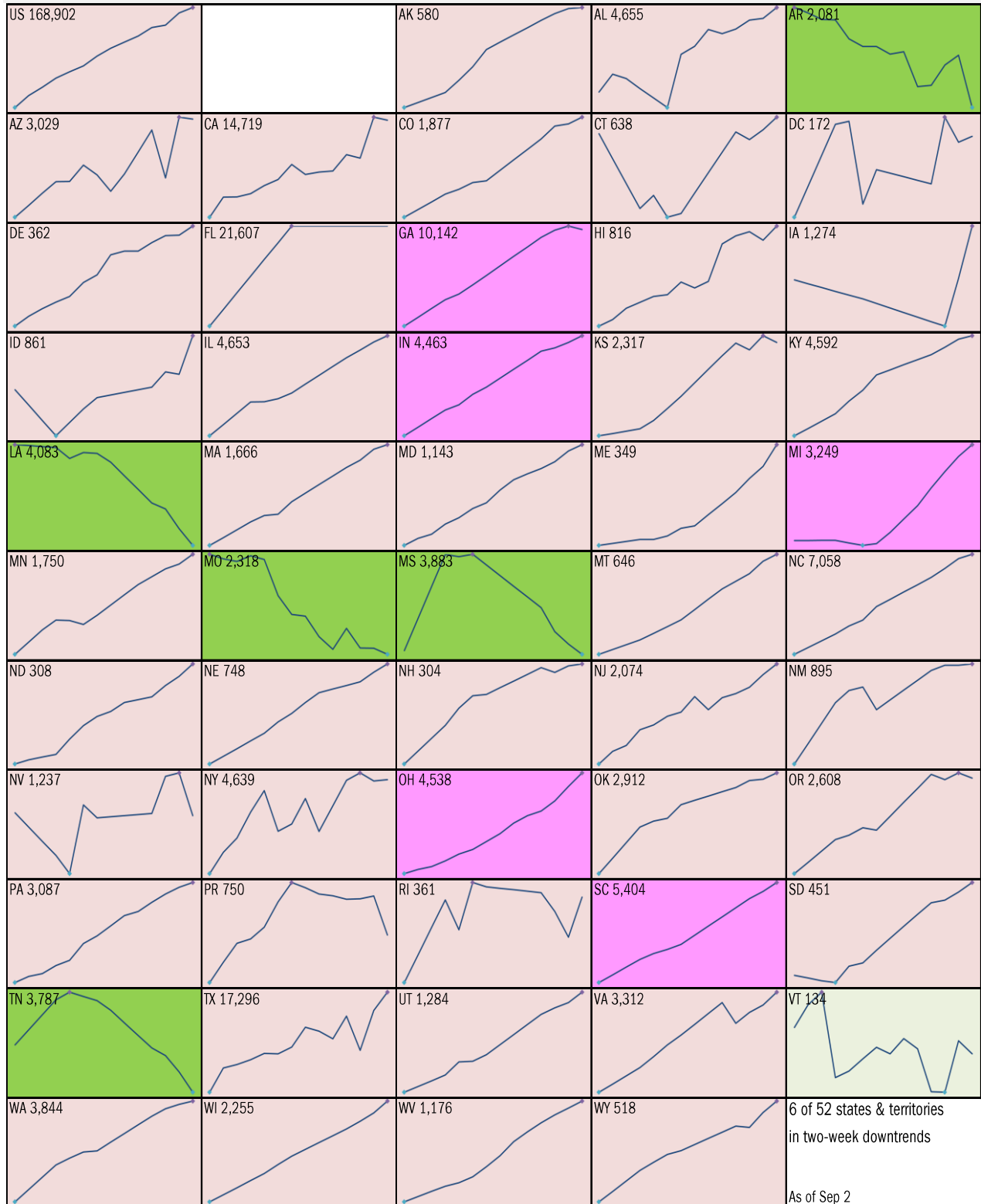


Source: [Johns Hopkins](#), TrendMacro calculations

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

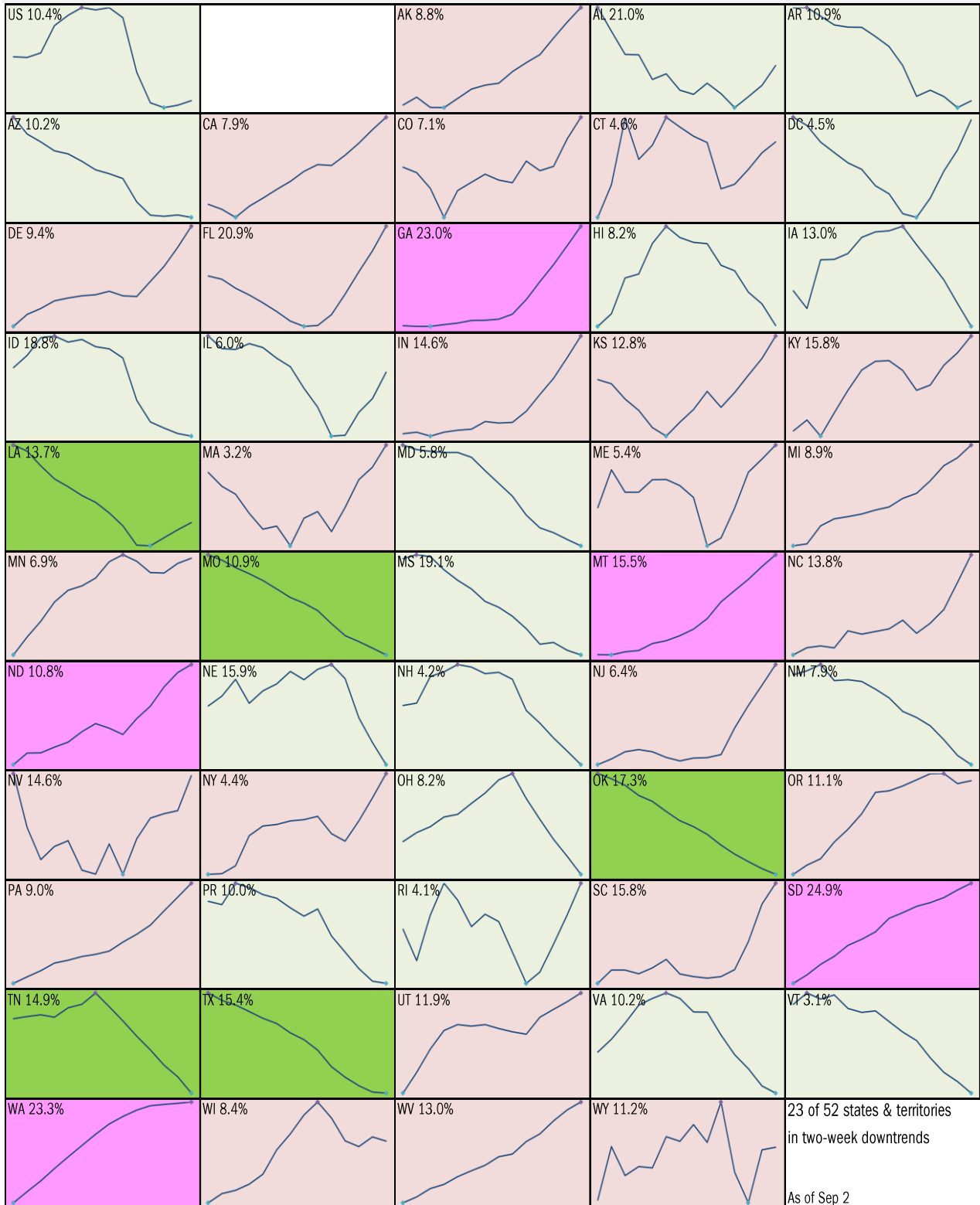


Source: [Johns Hopkins](#), TrendMacro calculations

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

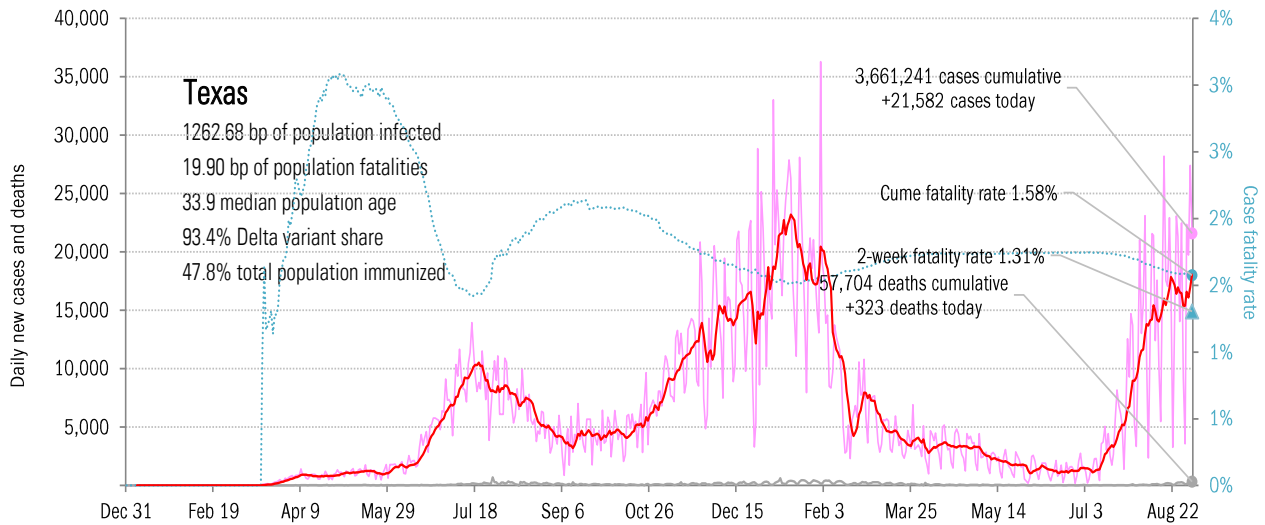
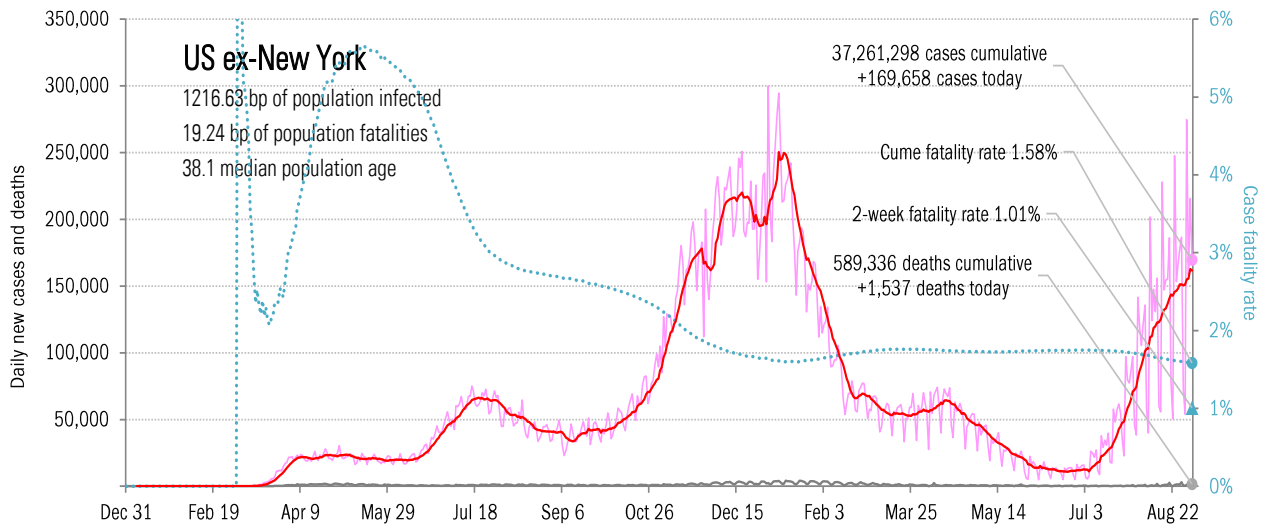
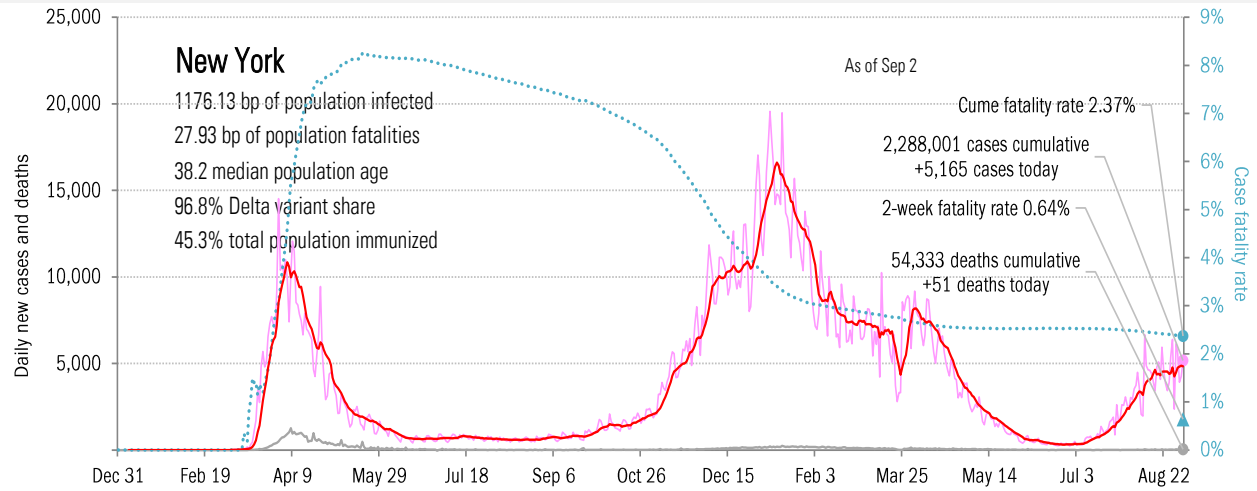
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

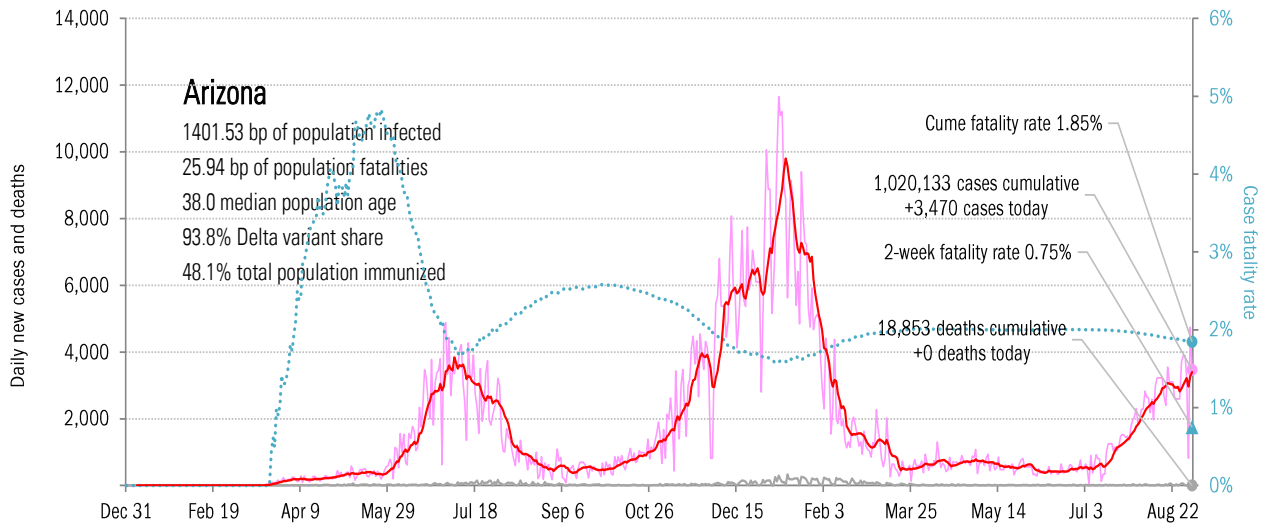
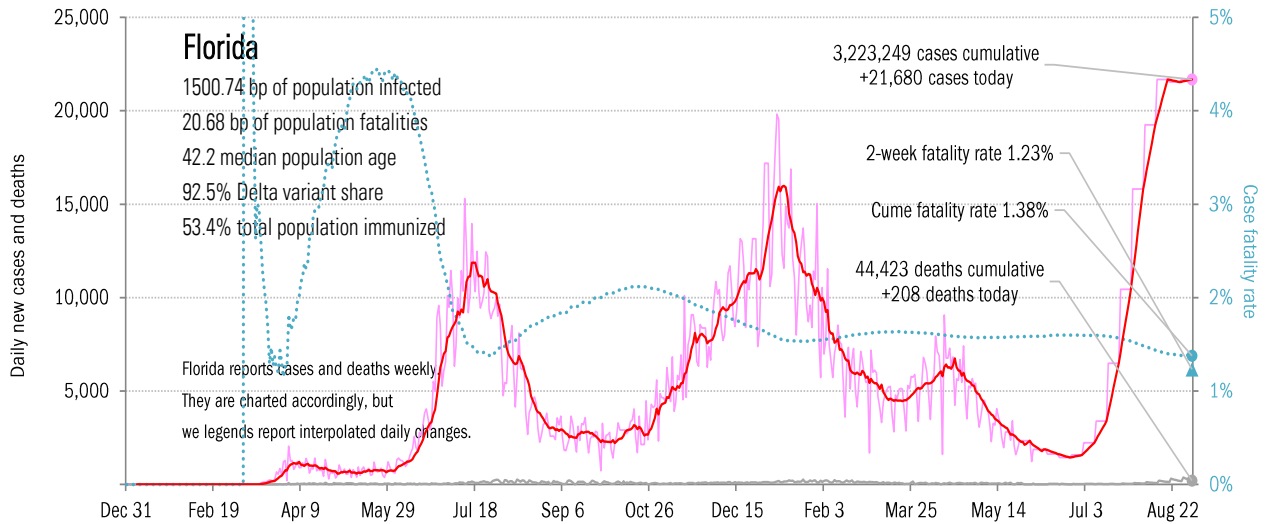
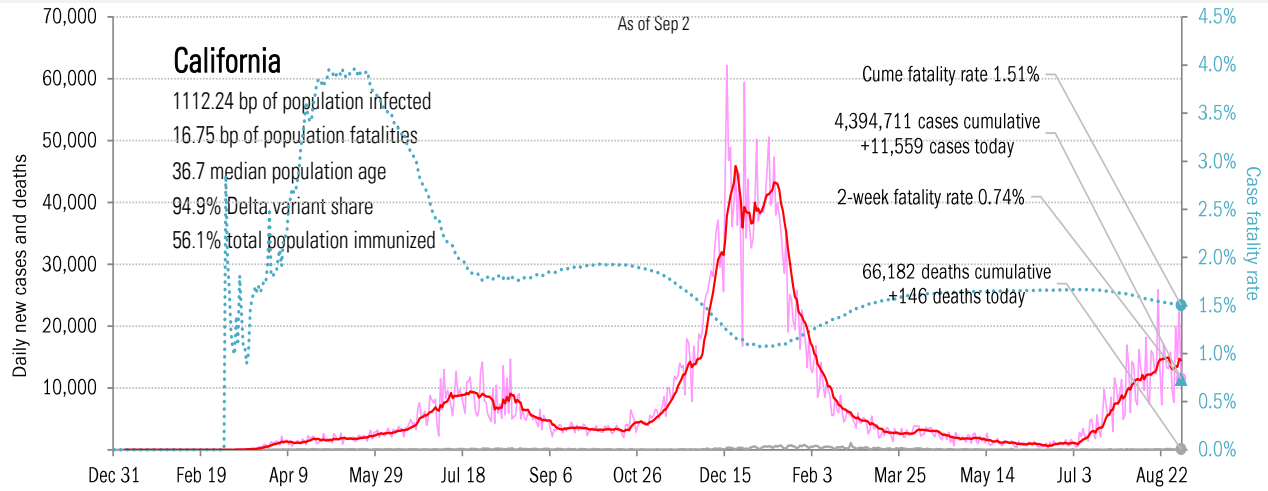
Cases: 7-day average and daily Deaths: Daily



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

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

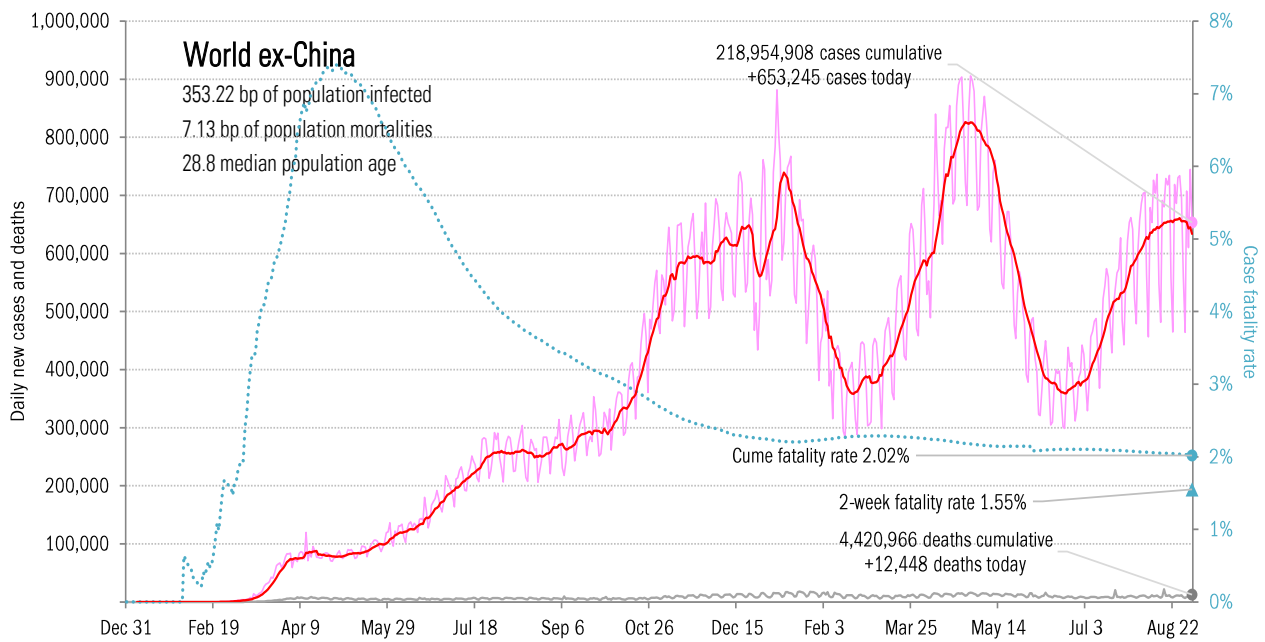
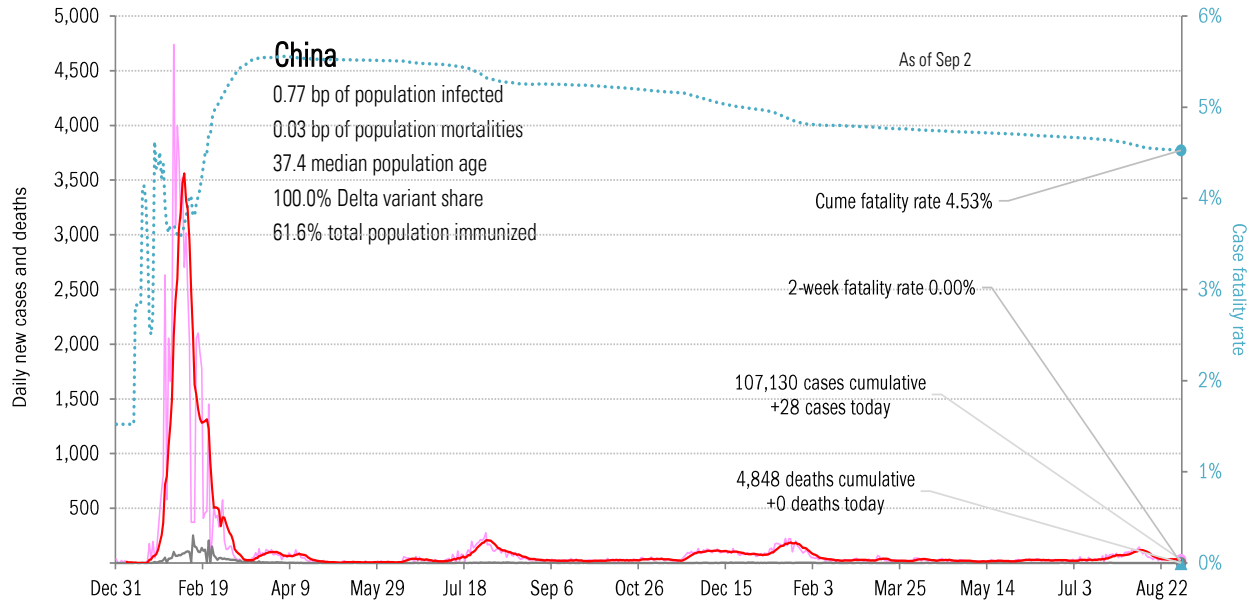
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

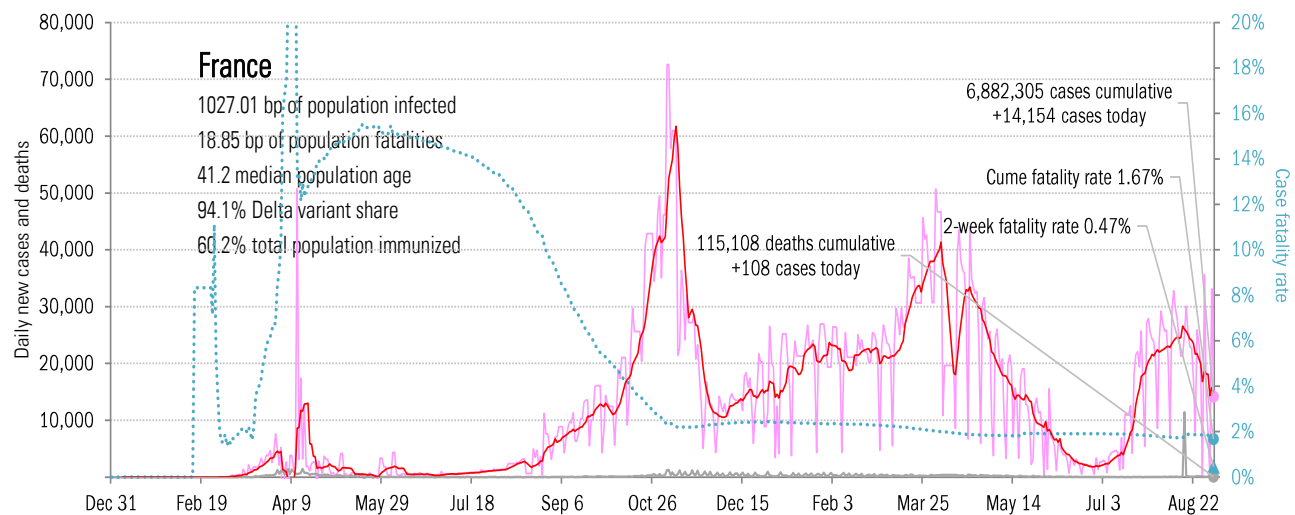
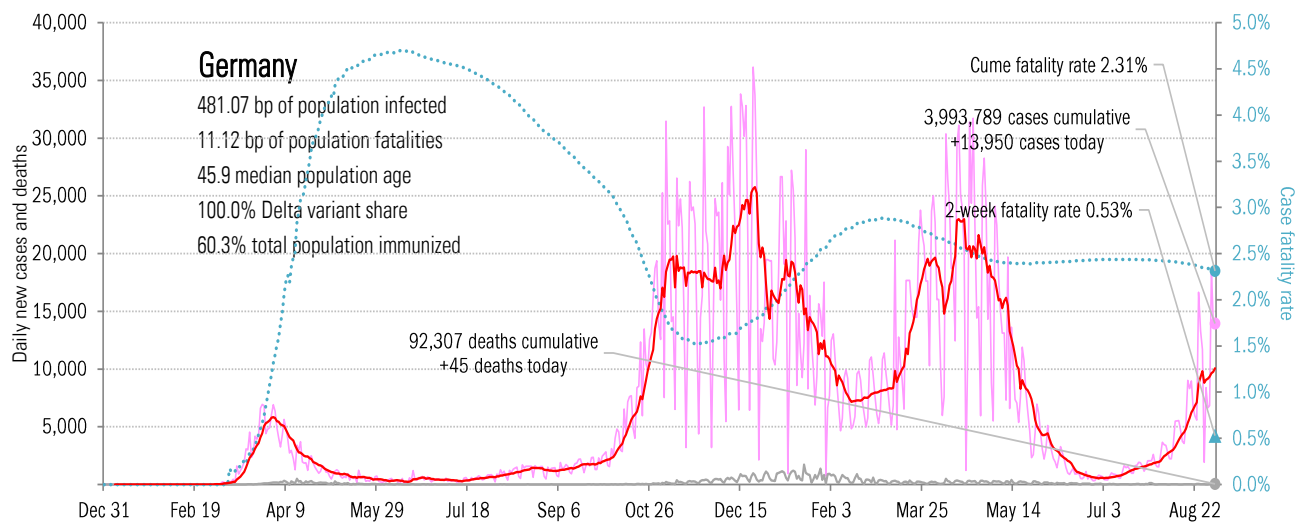
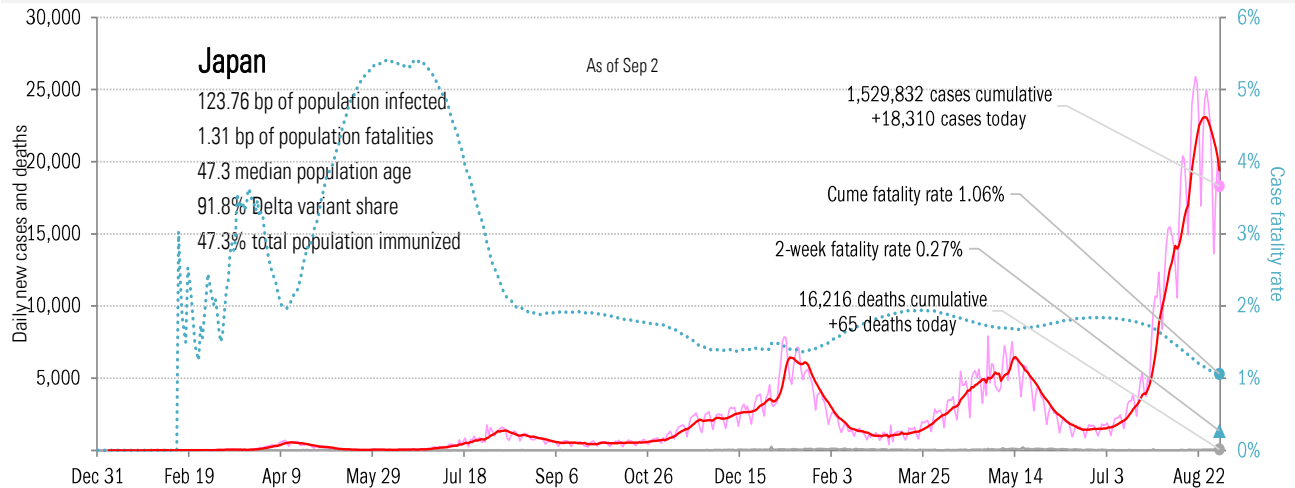
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

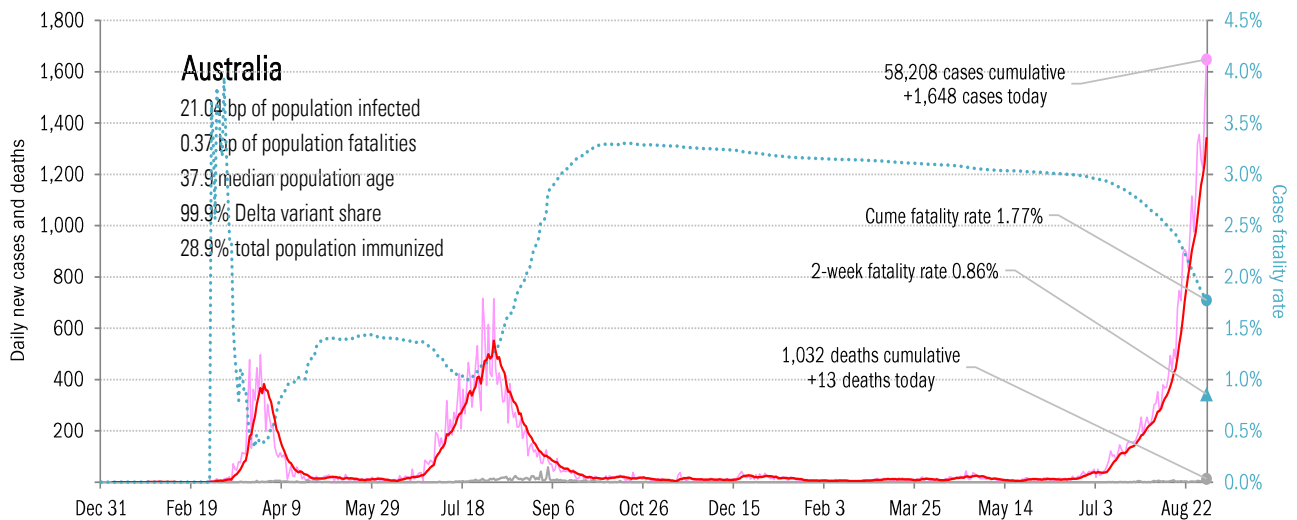
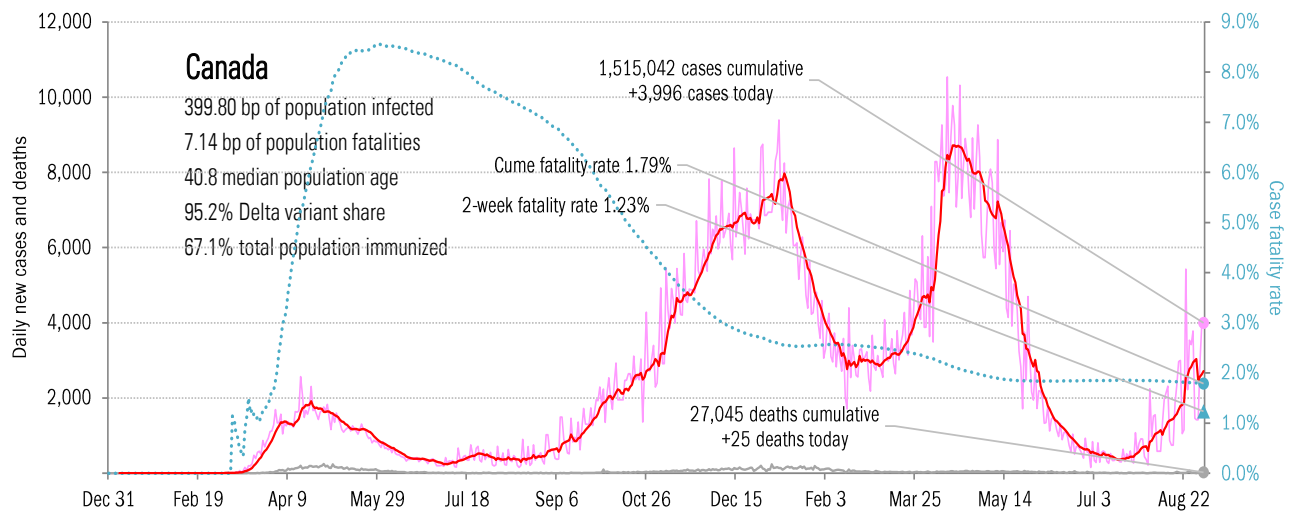
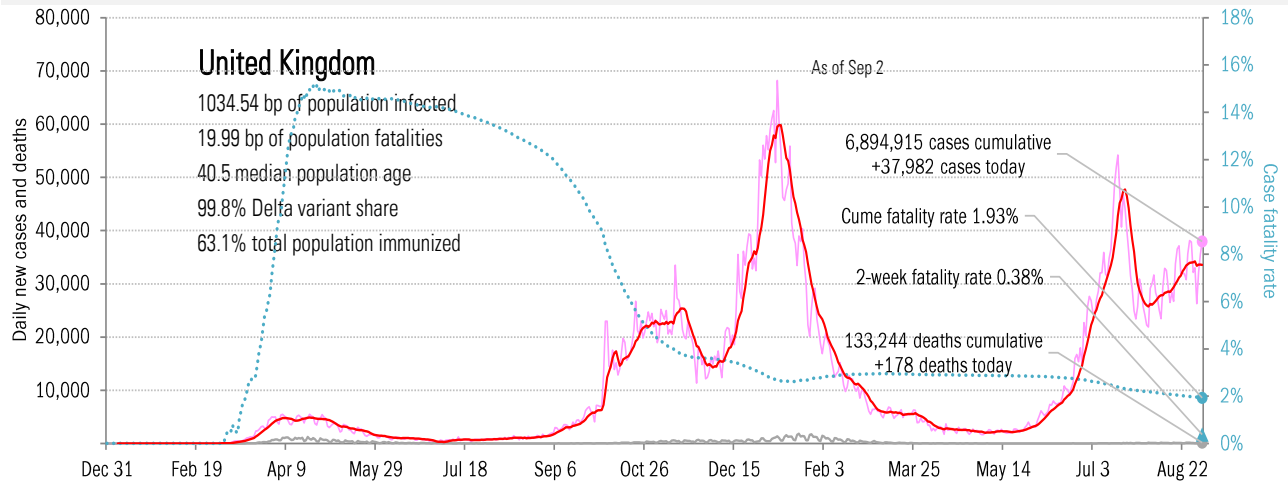
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

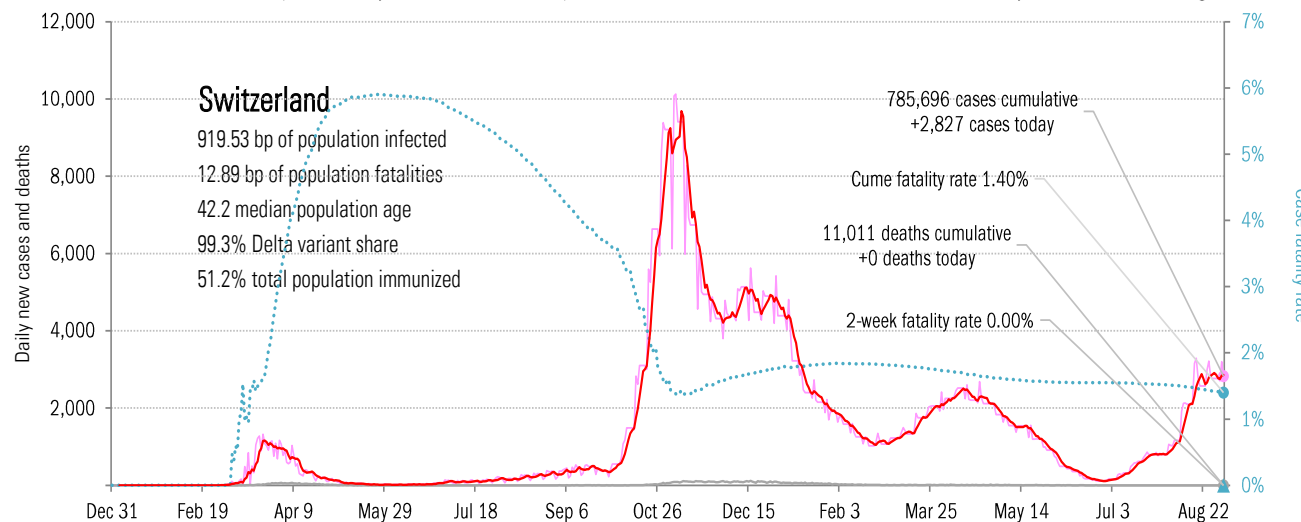
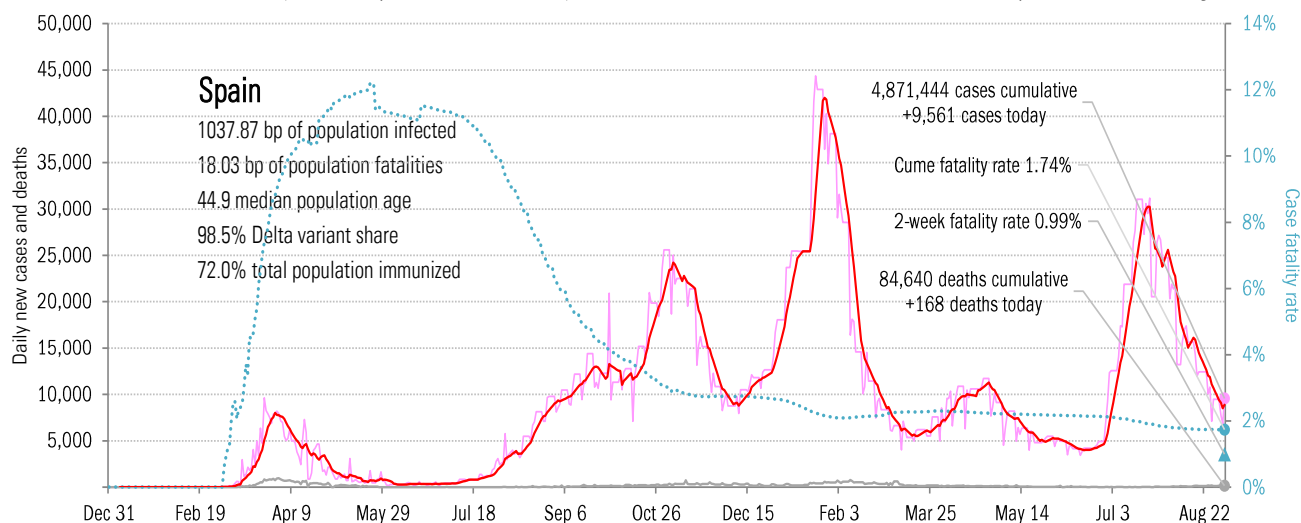
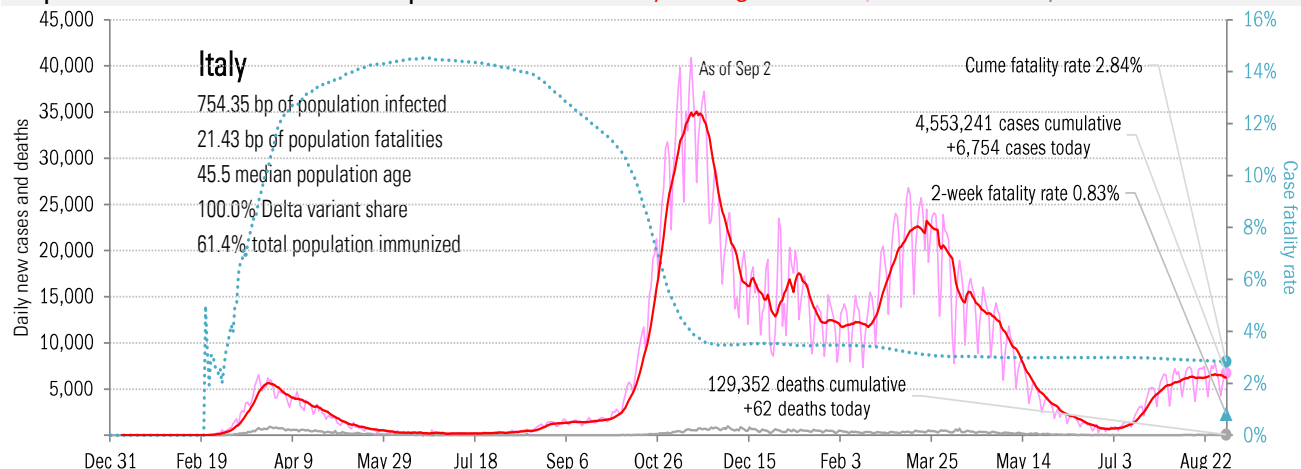


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

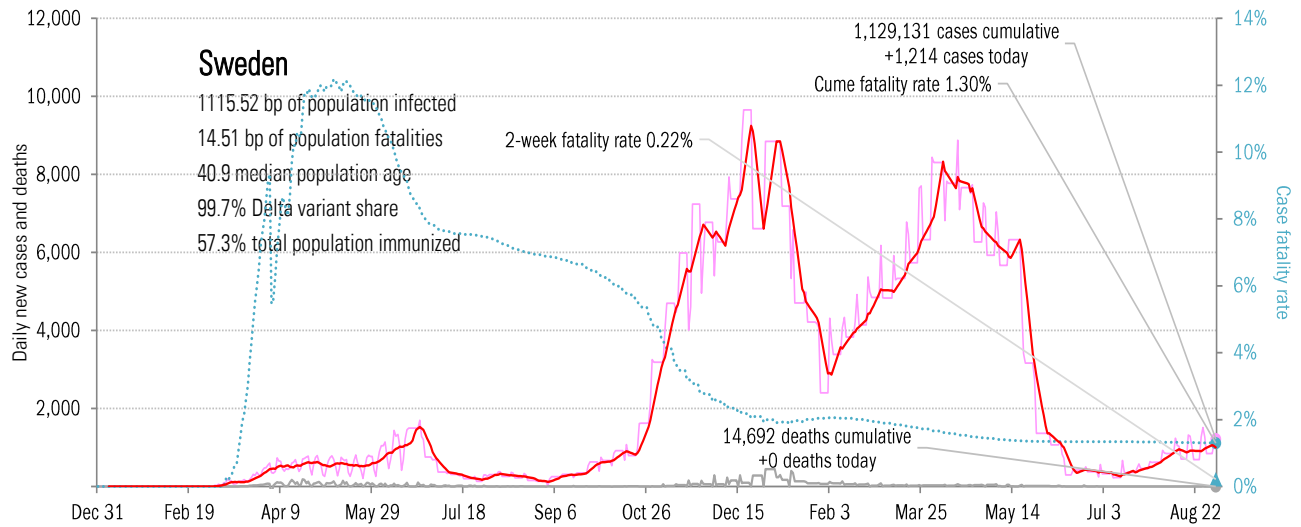
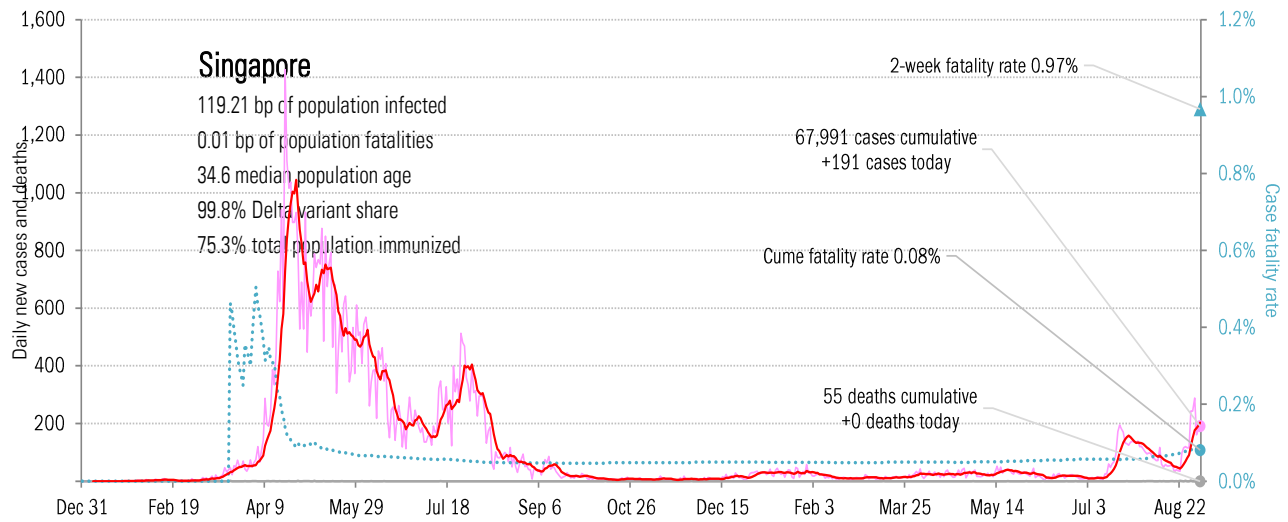
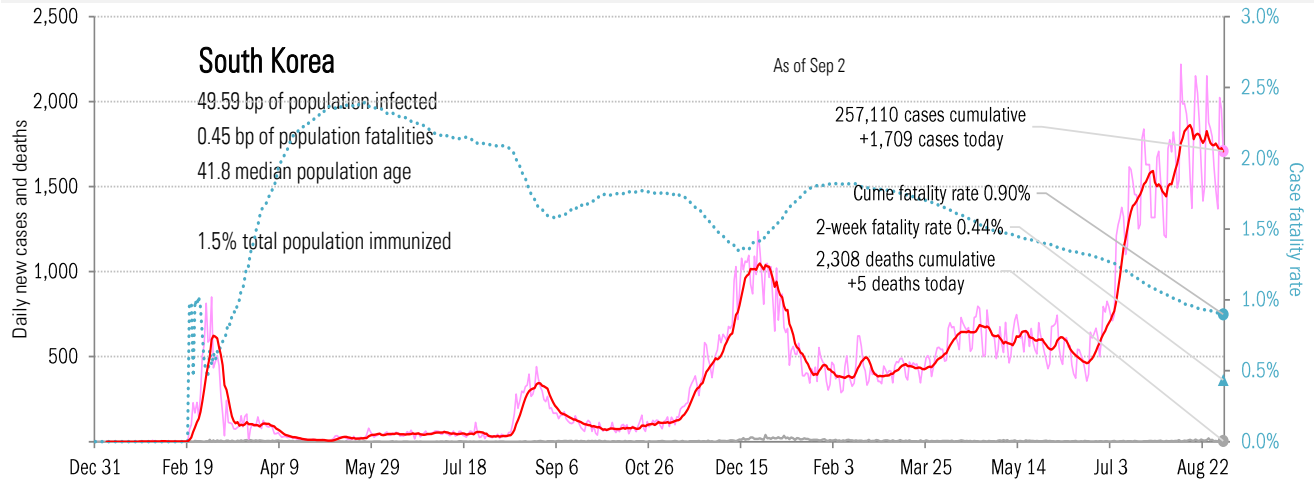
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

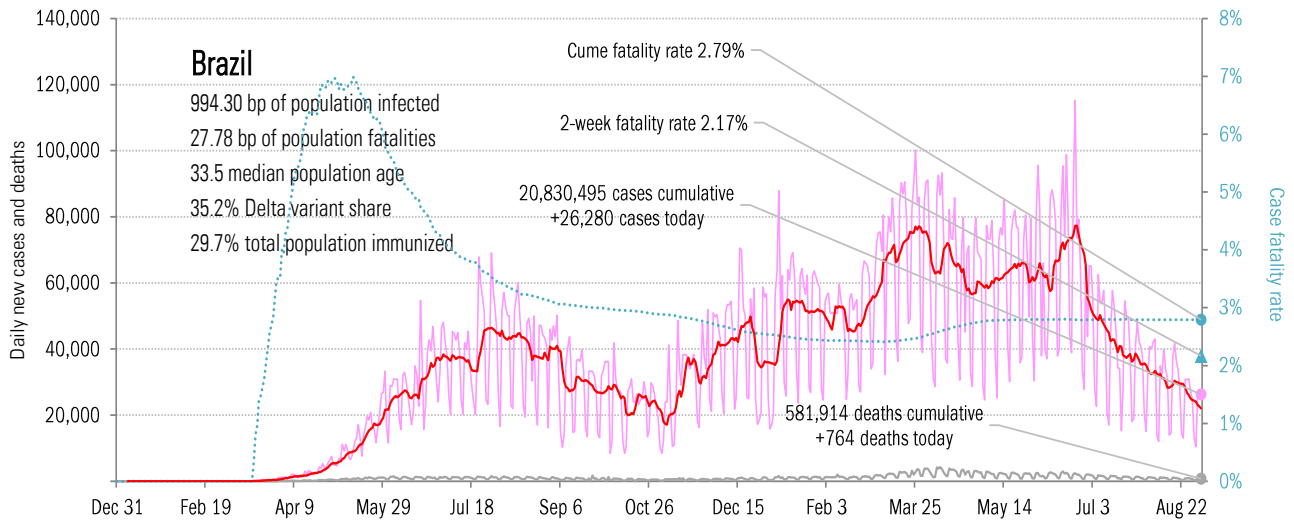
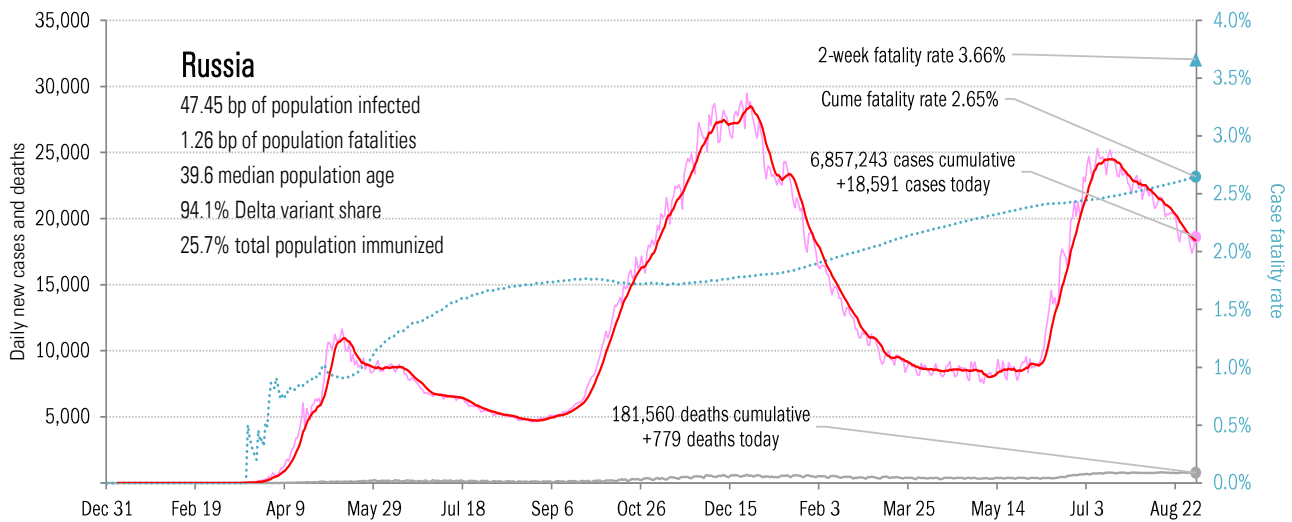
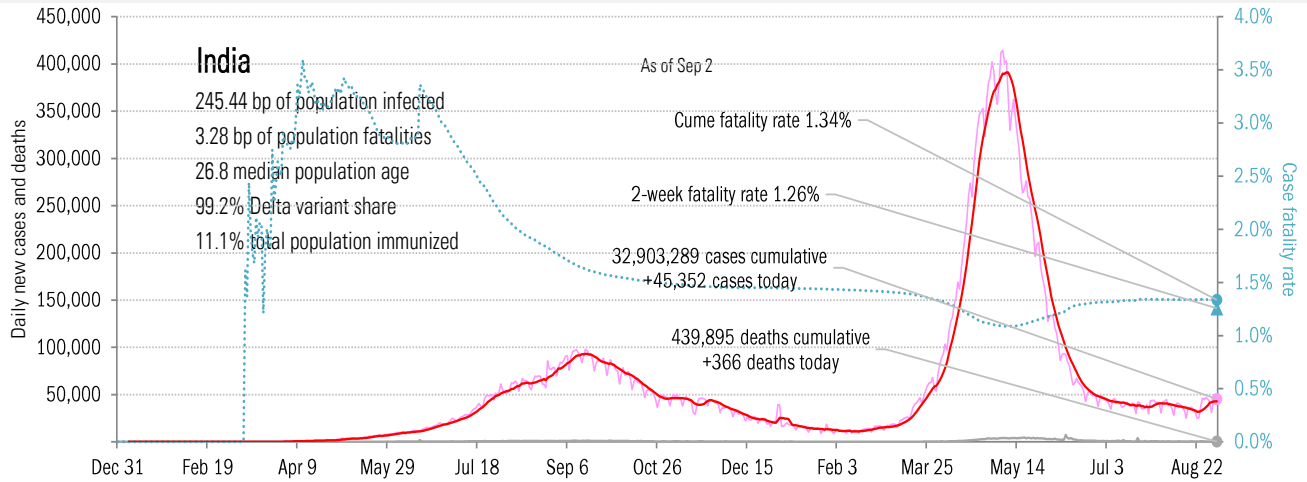
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

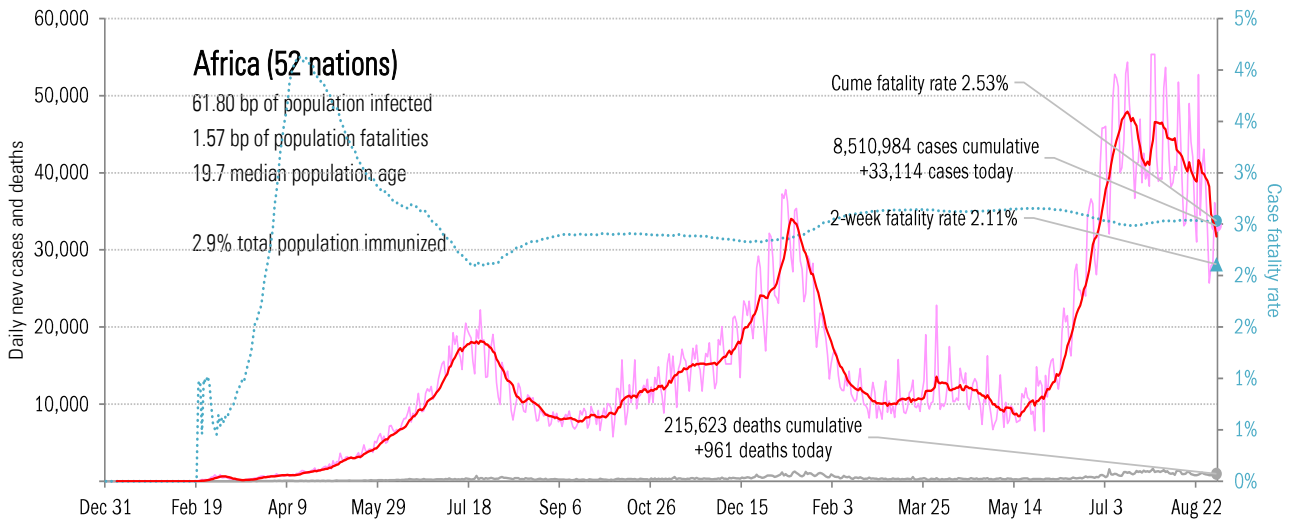
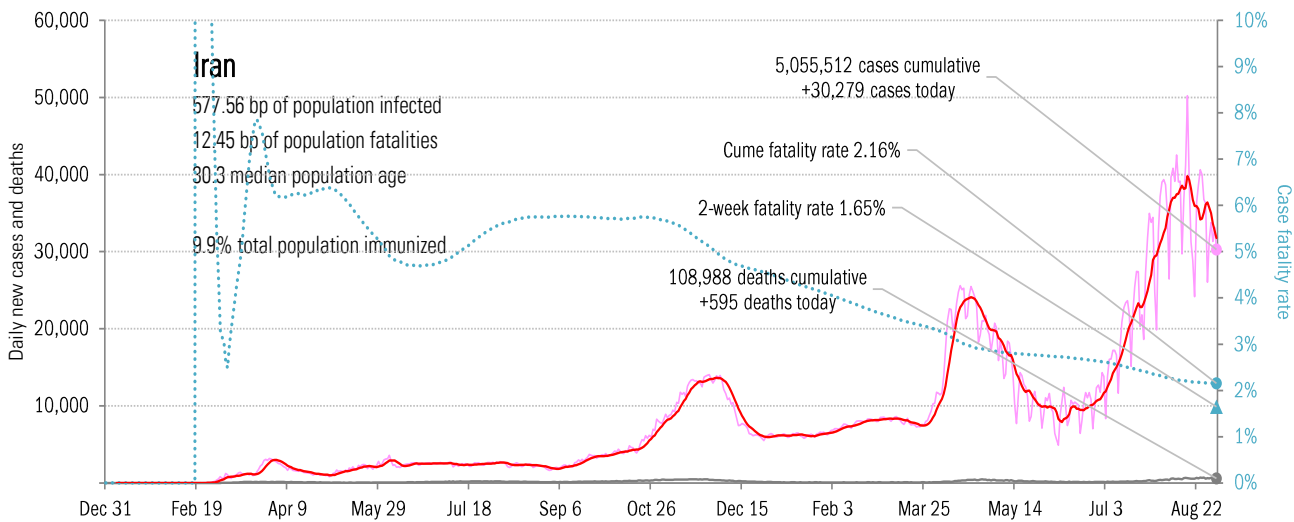
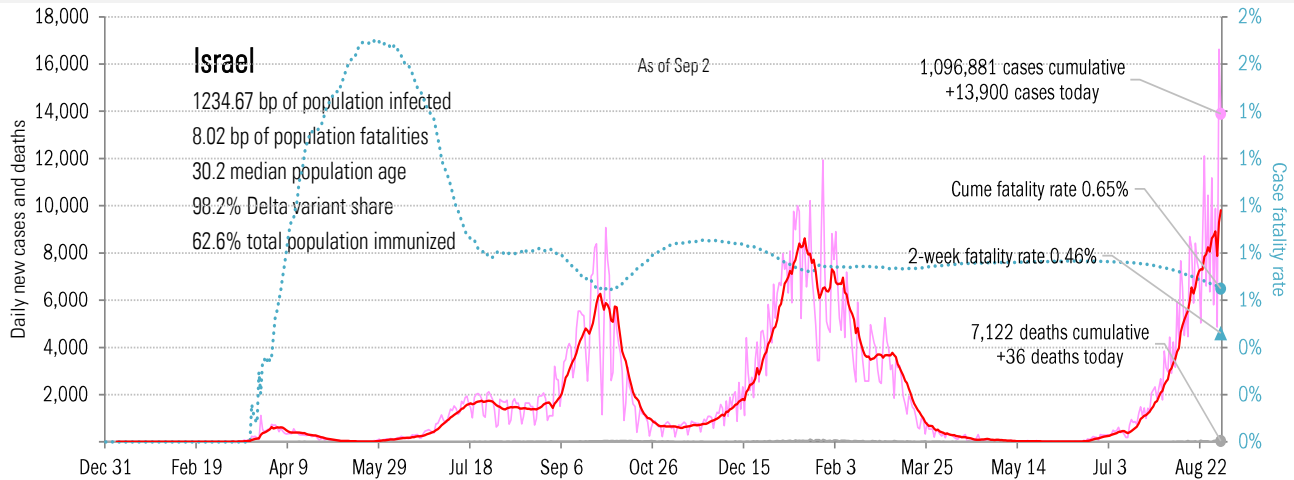
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

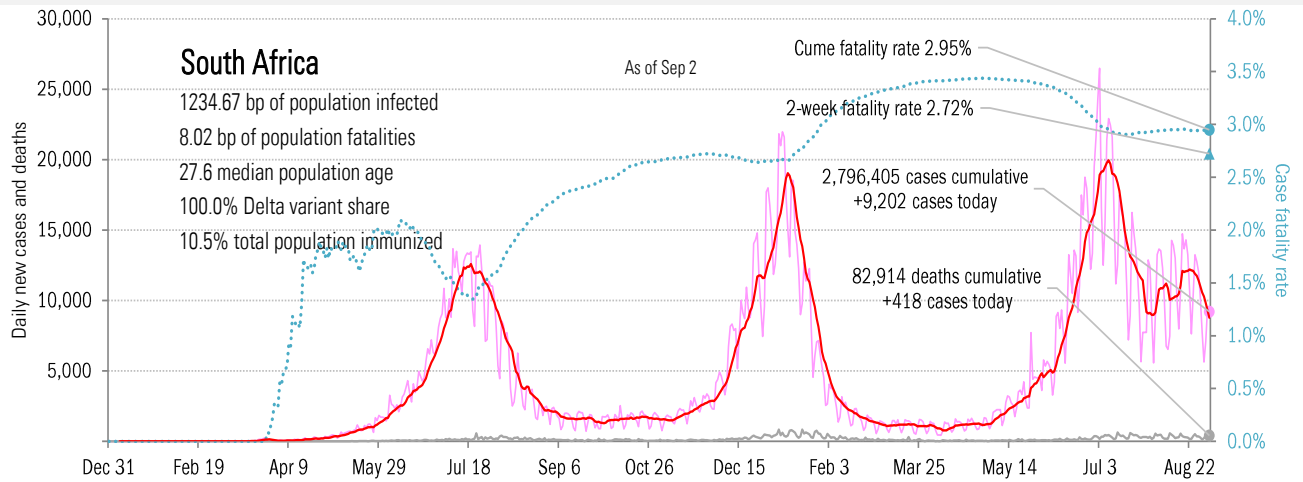
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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