

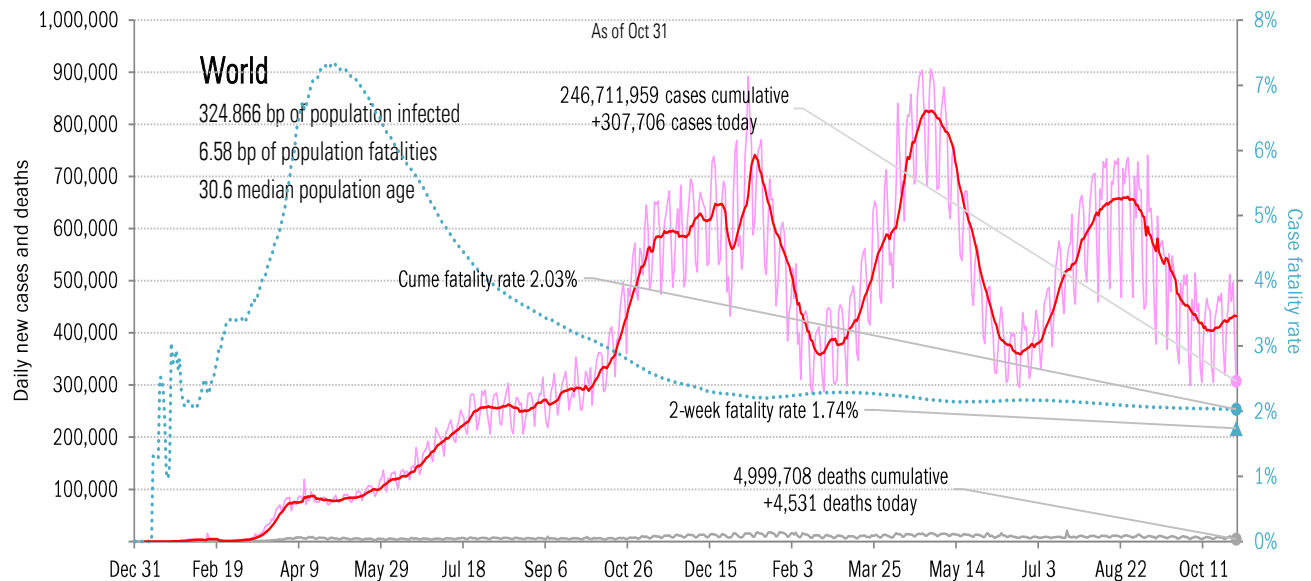
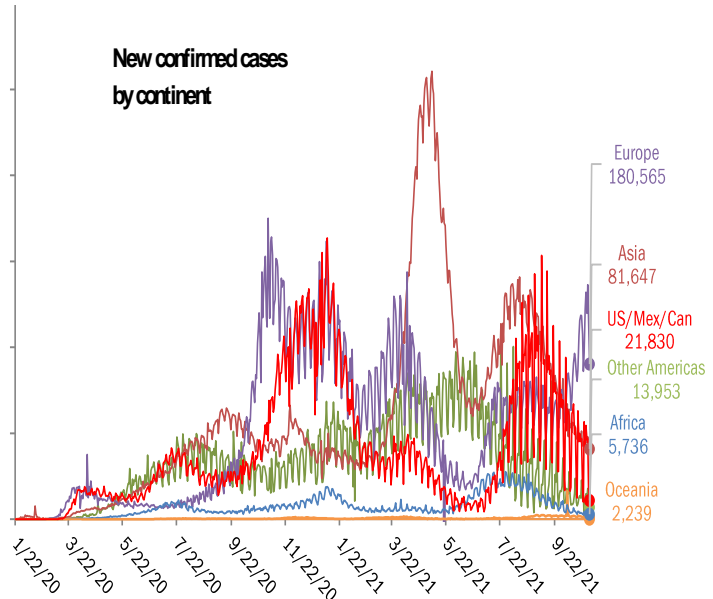
## Data Insights: Covid-2019 Monitor

Monday, November 1, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Russia	+39,931	Russia	+1,131
United Kingdom	+37,732	Romania	+427
Turkey	+23,948	Ukraine	+363
United States	+19,335	United States	+288
Ukraine	+18,492	India	+251
India	+12,514	Turkey	+201
Thailand	+8,859	Iran	+177
Iran	+8,427	Brazil	+130
Netherlands	+8,196	Philippines	+128
Romania	+7,424	Mexico	+89
<b>+184,858</b>		<b>+3,185</b>	
World	+307,706	World	+4,531
Top ten	60%	Top ten	70%



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

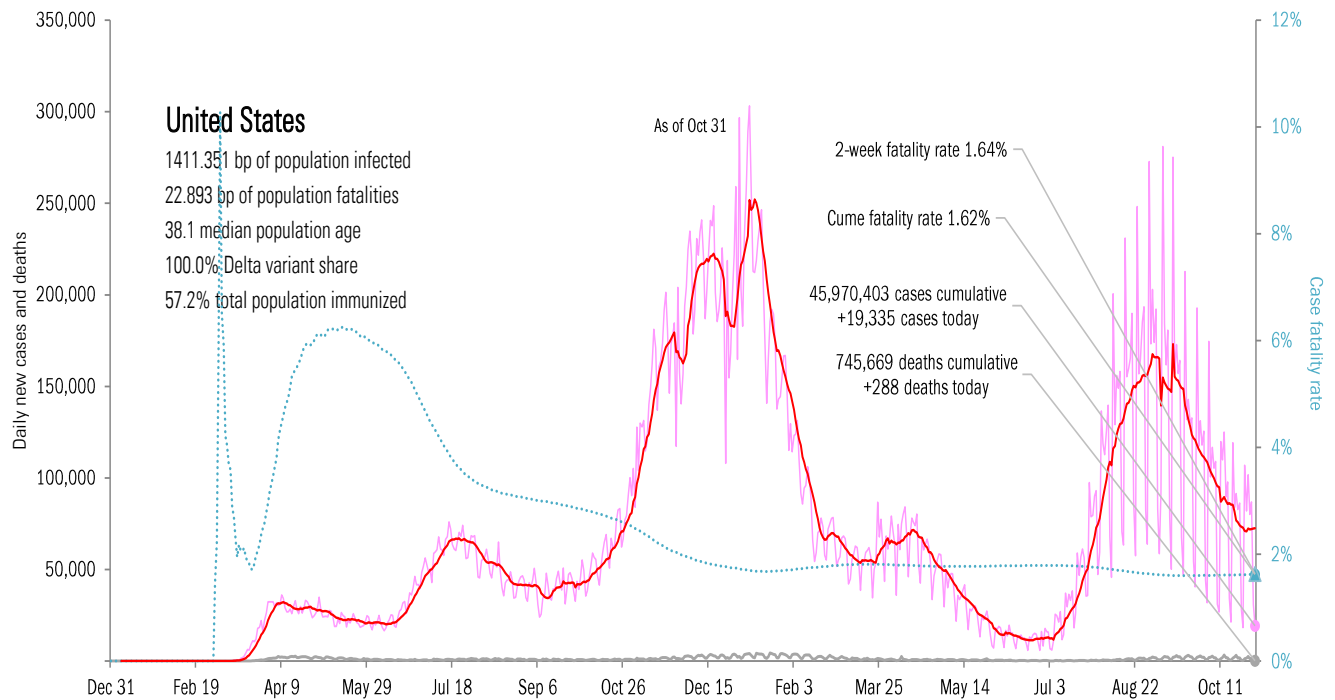
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
NY	+2,955		FL	+124		CH	+82		CA	4,915,796		CA	71,950		TX	374,586		RI	87%	NM	93%
PA	+2,928		TX	+54		KY	+60		TX	4,238,438		TX	71,193		FL	318,308		MD	86%	RI	92%
AZ	+2,840		PA	+39		GA	+50		FL	3,690,430		FL	59,507		CA	309,945		MA	85%	ID	91%
CH	+2,416		NY	+26		MI	+50		NY	2,559,583		NY	56,439		NY	163,620		PA	83%	GA	87%
FL	+1,736		MD	+13		CO	+49		IL	1,695,524		PA	31,452		GA	159,499		MN	82%	KY	86%
NJ	+1,215		HI	+10		MN	+29		GA	1,634,093		GA	29,065		CH	123,227		MI	82%	TX	86%
CA	+1,064		CA	+9		IN	+28		PA	1,564,451		IL	28,204		PA	116,513		NY	81%	NH	85%
MO	+737		AR	+6		AZ	+27		CH	1,545,327		NJ	27,972		KY	111,161		GA	81%	AL	85%
WV	+661		MO	+4		MO	+24		NC	1,477,514		CH	24,527		IL	104,633		CT	81%	NV	84%
MD	+636		FR	+2		IL	+23		TN	1,280,265		MI	23,662		MI	91,261		MO	81%	CO	84%
+17,188			+287			+422			24,601,421			423,971			1,872,753						
All states	+19,335		+288			+592			All states	45,970,403		745,669			3,346,581			All states	70%	67%	
Top ten	89%		100%			71%			Top ten	53%		57%			56%			Median	75%	78%	

Some states not reporting

## Five most improved US states

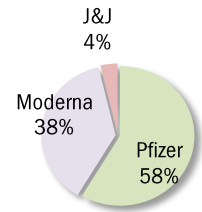
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-2,646	AZ	-56	CA	-61	AL	+10 bp
IA	-2,396	AL	-41	NM	-42	CA	+10 bp
NE	-1,613	NE	-21	OR	-31	DC	+10 bp
PA	-1,136	AR	-11	ID	-21	ID	+10 bp
CH	-1,005	NJ	-11	DE	-18	IL	+10 bp



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	433,880,591		+1.445 million		US	57.2%	65.8%	
Boosters	18,923,803		+0.899 million		UK	67.0%	73.2%	
	One dose	% Pop	Immune	% pop	New immune today	France	67.9%	75.7%
Total population	227,191,782	68%	197,461,721	59%	+0.211 million	Spain	79.8%	81.4%
Age 12 to 17	14,178,201	60%	11,891,047	50%	+0.018 million	Germany	66.1%	68.8%
Age 18 to 64	156,953,824	77%	136,355,373	67%	+0.153 million	Italy	71.4%	77.2%
Age 65 and over	54,948,463	100%	48,294,598	88%	+0.040 million	Australia	63.9%	74.3%



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

Every American >18 immunized in **45 days** by Dec 14, 2021  
 71.5% of population >18 immunized  
 16.4% previously tested positive  
**87.9%** vs 60% adult herd immunity

Israel	65.2%	70.9%
Canada	74.2%	78.4%
Japan	71.5%	77.5%
Africa	5.8%	8.7%
India	23.4%	52.5%
Brazil	55.3%	74.4%
China	74.1%	76.2%

Global data differs due to sources, timing

AK	59.4%
	52.6%

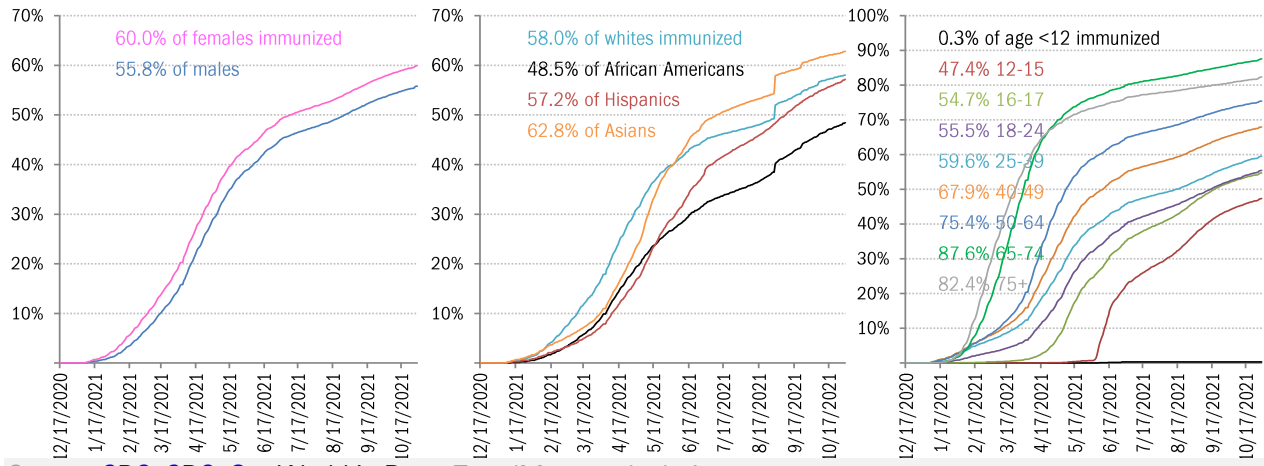
WI	62.7%
	58.3%

As of Oct 31

ME	76.7%
	70.6%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
69.4%	49.1%	56.9%	53.3%	65.2%	65.6%	58.3%	74.4%	79.7%	76.2%	
63.5%	43.9%	50.5%	45.9%	59.9%	60.4%	53.5%	66.7%	71.2%	62.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
68.4%	63.4%	50.8%	62.1%	59.6%	53.8%	55.9%	78.0%	75.1%	80.3%	
62.9%	53.0%	43.9%	52.6%	55.5%	49.9%	51.9%	60.6%	66.4%	69.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
74.6%	61.1%	67.7%	61.0%	56.9%	57.5%	49.0%	71.1%	73.0%	79.0%	78.2%
61.3%	53.6%	61.6%	56.2%	49.8%	50.7%	41.0%	63.1%	66.2%	70.7%	70.9%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
61.3%	72.2%	62.6%	58.0%	54.5%	64.4%	57.6%	74.7%	68.9%		
53.1%	62.1%	53.2%	48.0%	47.7%	52.7%	50.0%	62.5%	59.7%		
OK	LA	MS	AL	GA						
59.5%	53.9%	52.0%	54.5%	56.9%						
50.1%	47.7%	45.7%	44.8%	48.2%						
TX										
61.4%										
53.4%										
HI										
78.8%										
59.8%										
FL										
69.1%										
59.7%										
PR										
82.2%										
73.6%										

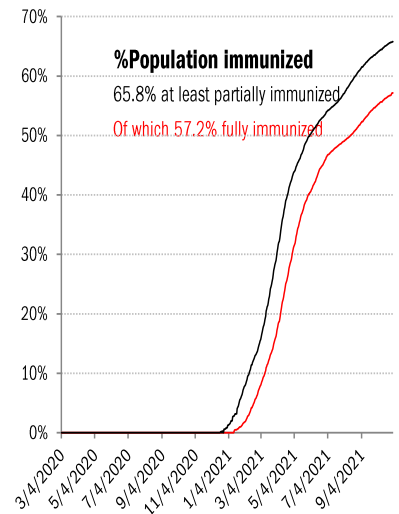
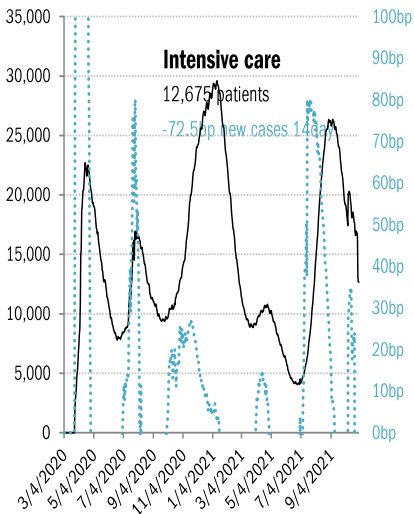
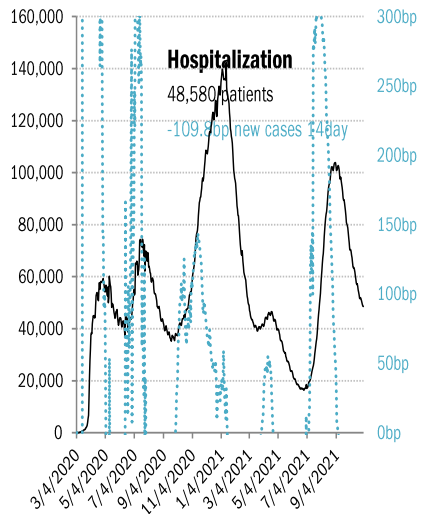
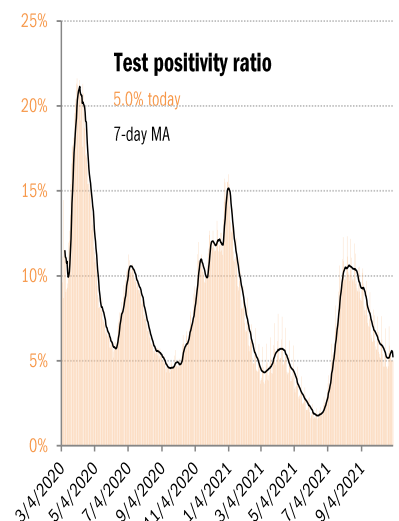
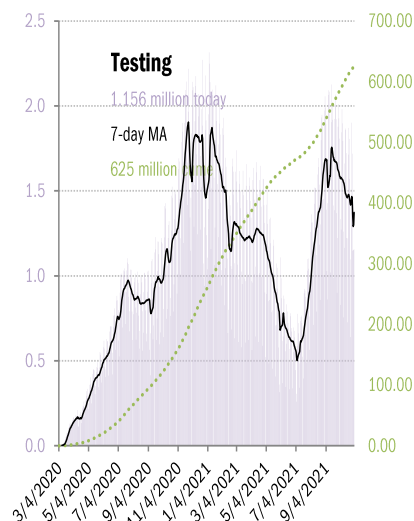
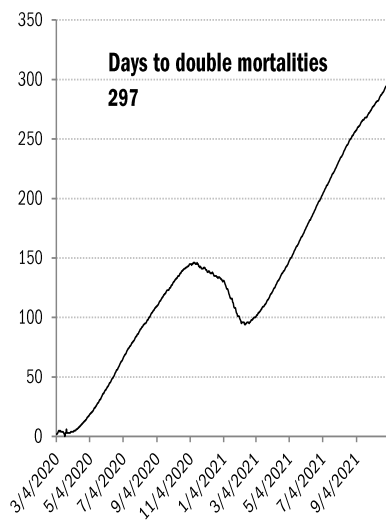
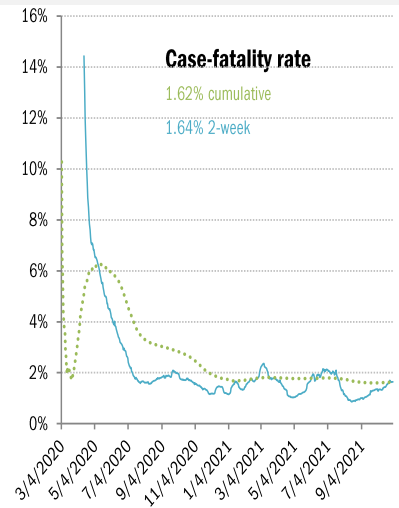
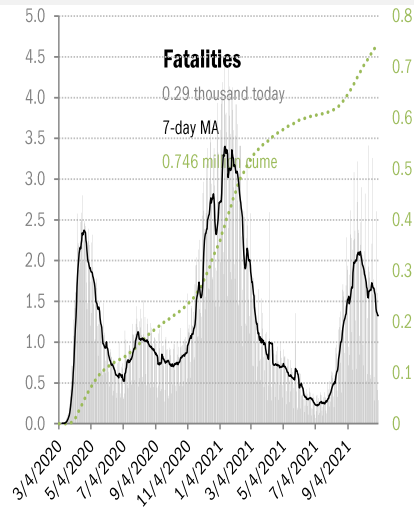
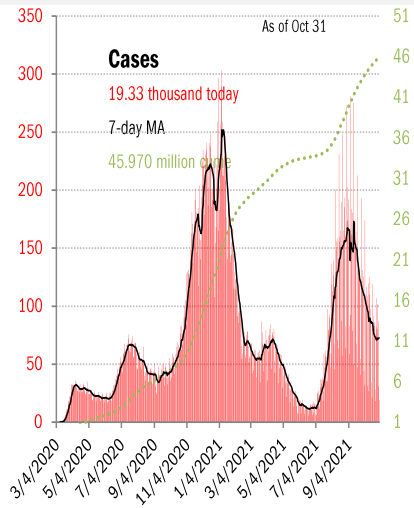
## The demographics of US vaccination



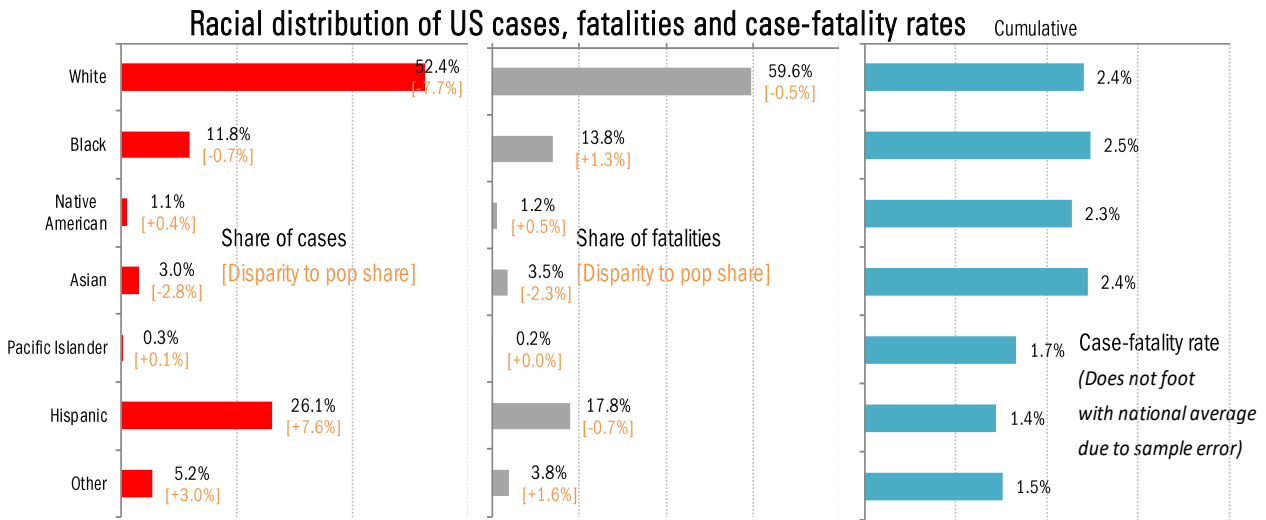
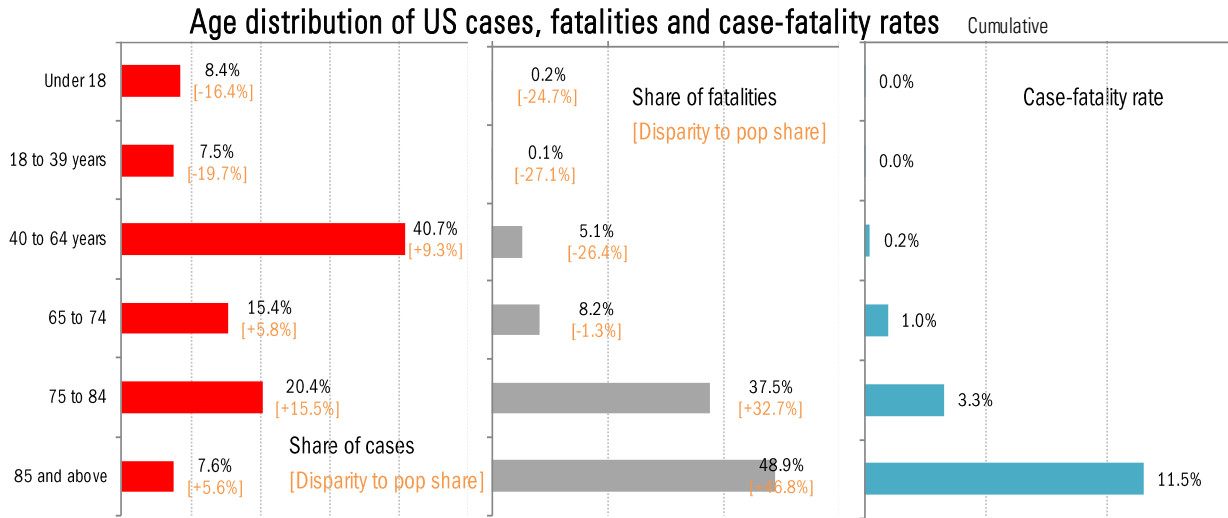
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

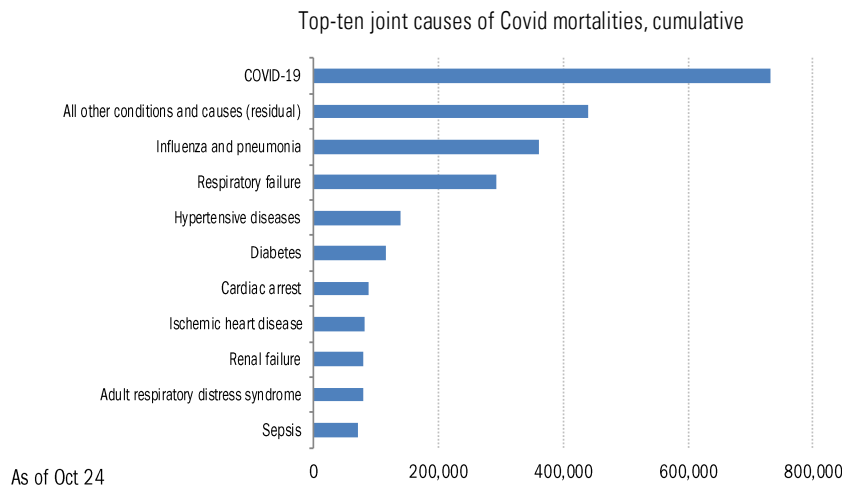
National and state-by-state data do not line up because of different sources



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

[Florida's path from worst-to-first in COVID metrics raises questions about pandemic restrictions](#)

John Haughey  
*Just the News*  
October 29, 2021

[White House's Psaki tests positive for COVID-19](#)

Brett Samuels  
*The Hill*  
October 31, 2021

[Media Ignore Florida Covid Recovery](#)

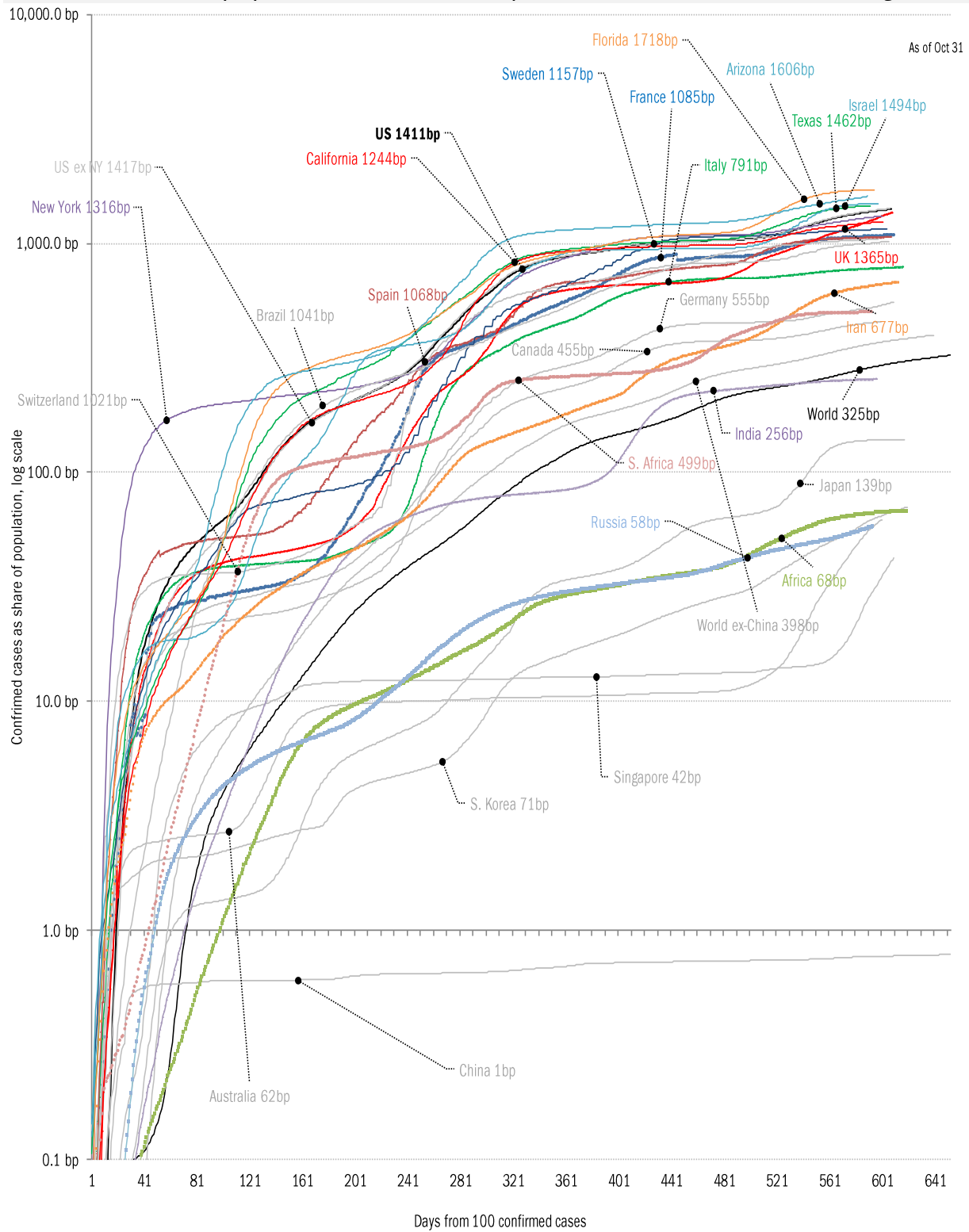
Dave Seminara  
*Wall Street Journal*  
October 31, 2021

## Meme of the day



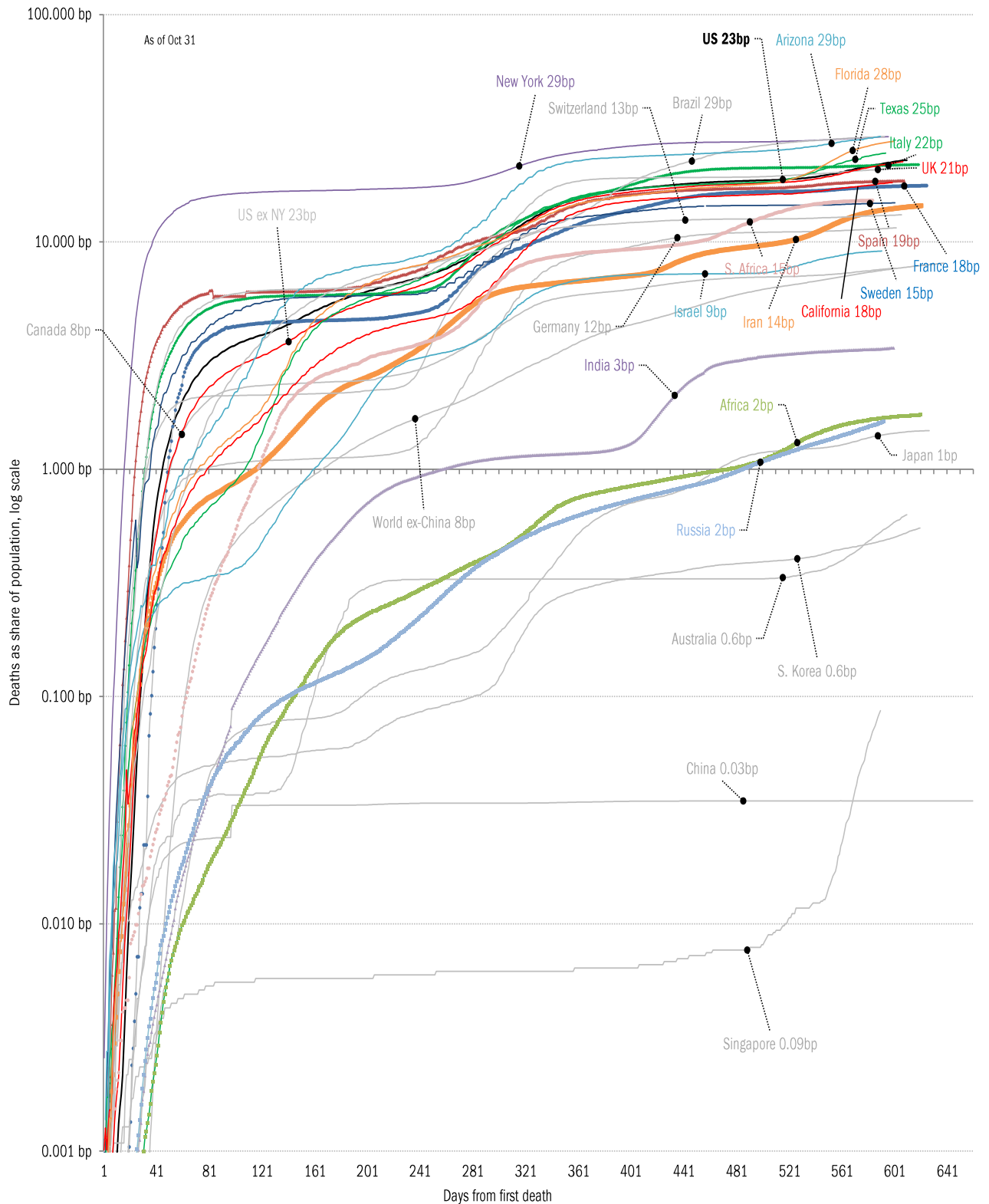
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



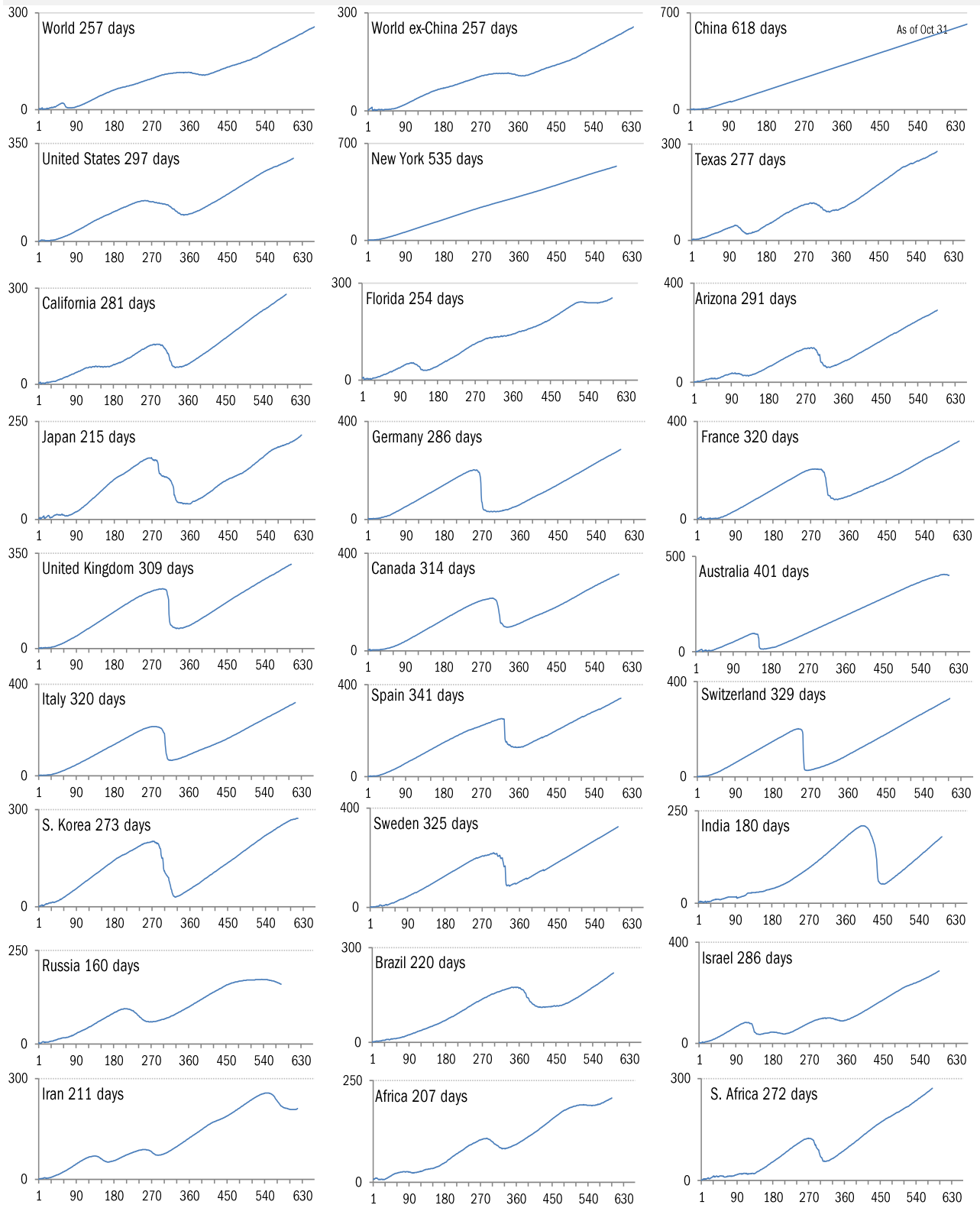
Source: [Johns Hopkins](#), TrendMacro calculations



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

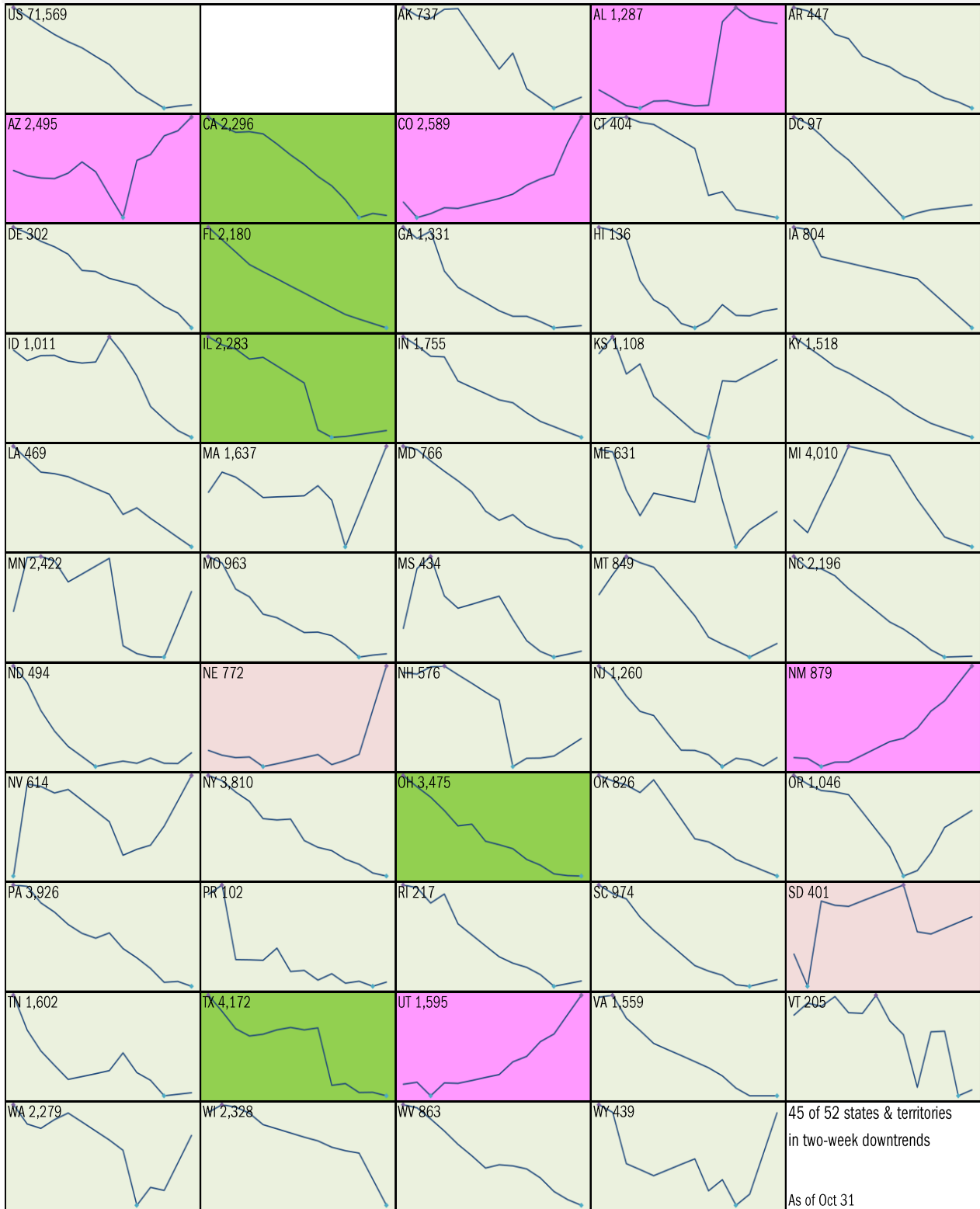
Vertical: days to double deaths Horizontal: days from first death

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



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

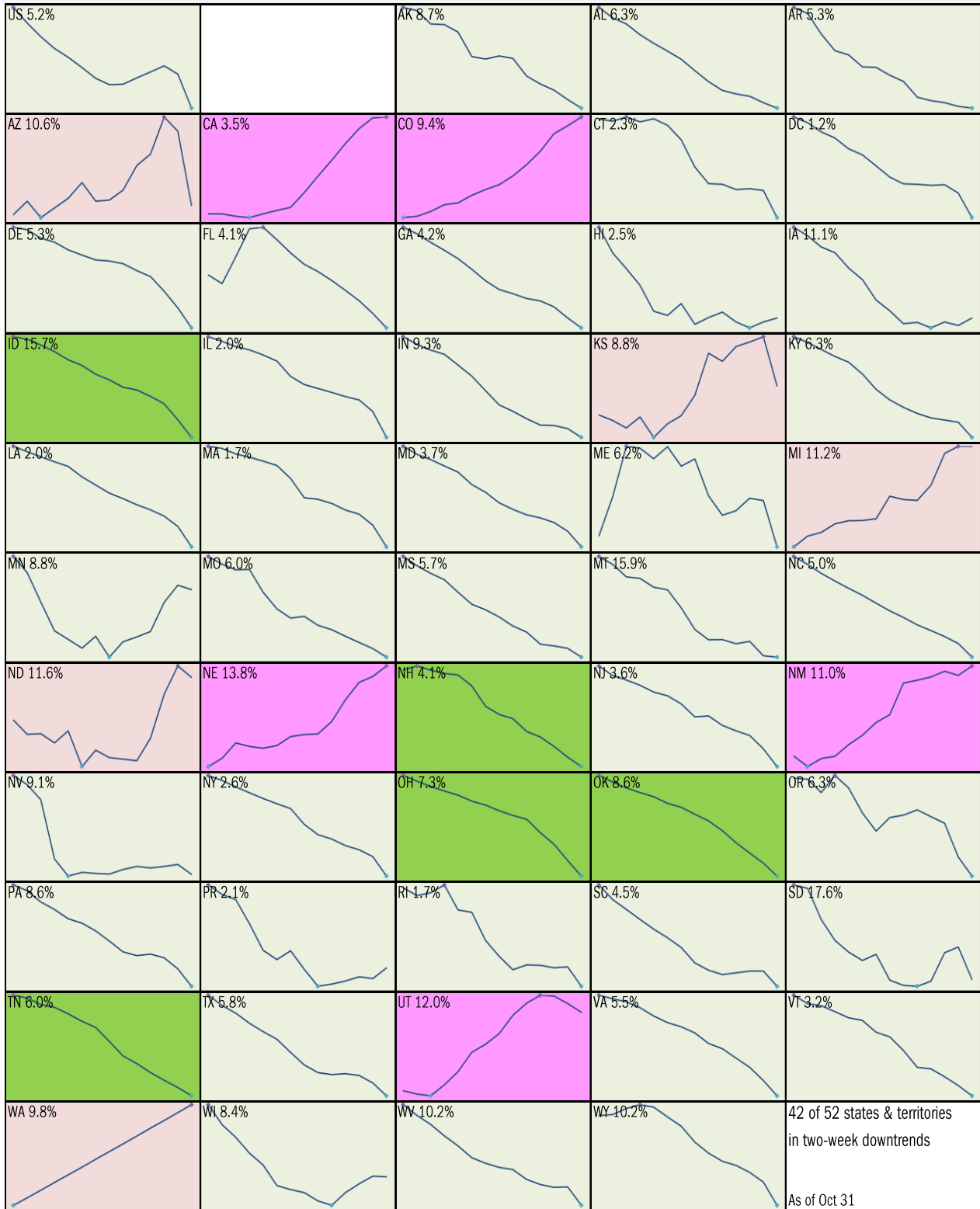
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases  
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

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

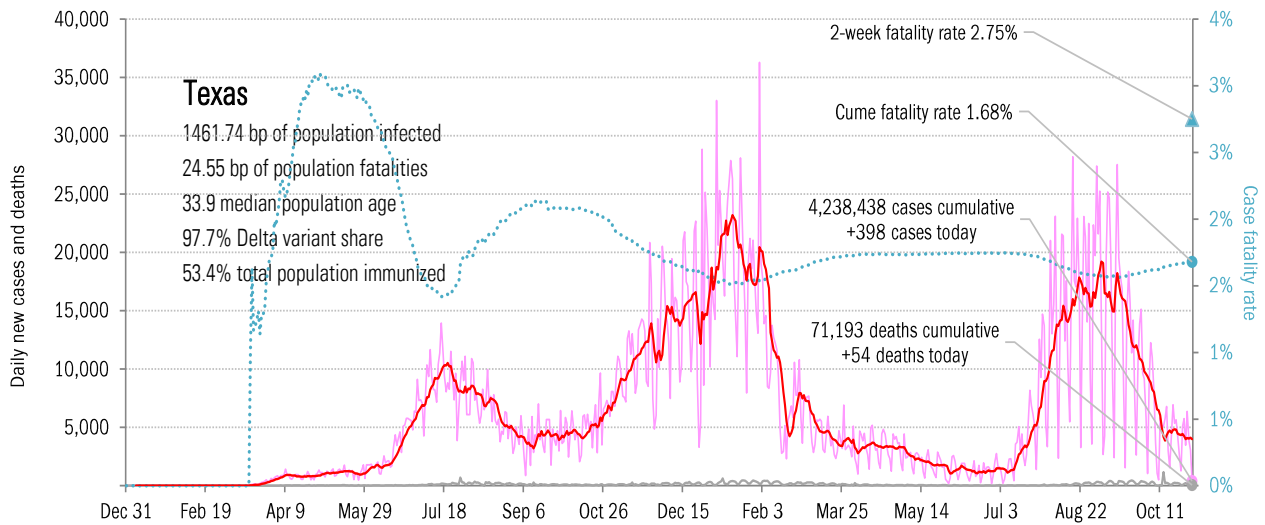
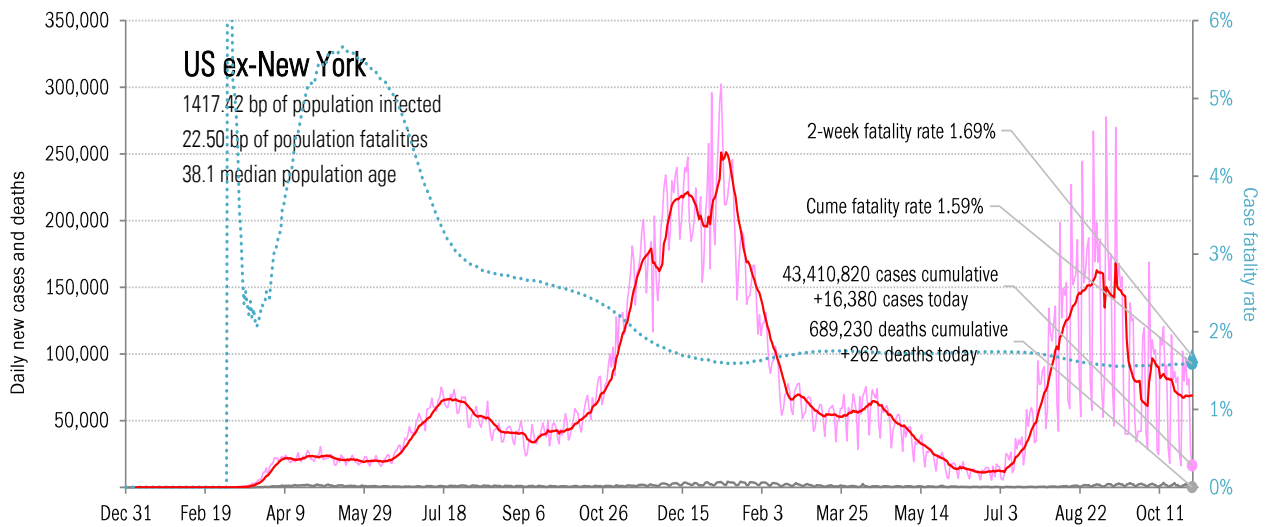
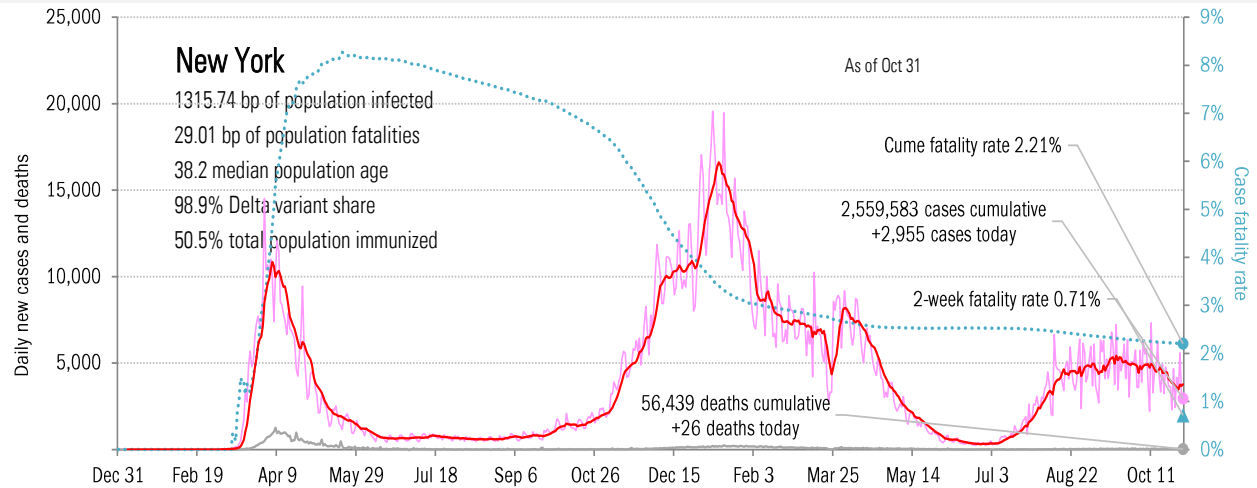
14-day moving average, last 14 days Most recent value displayed ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

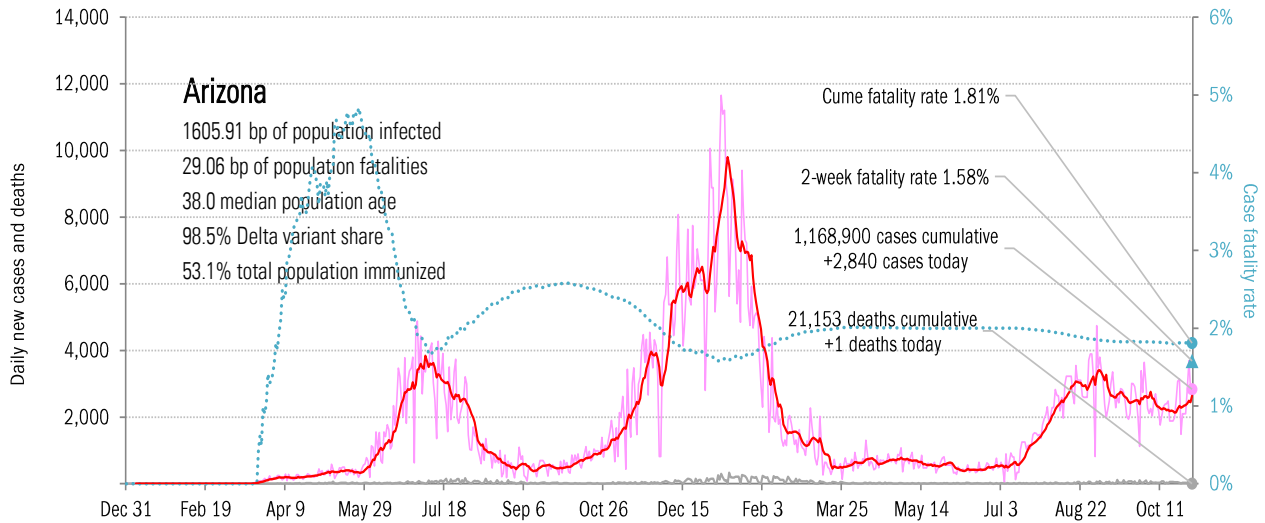
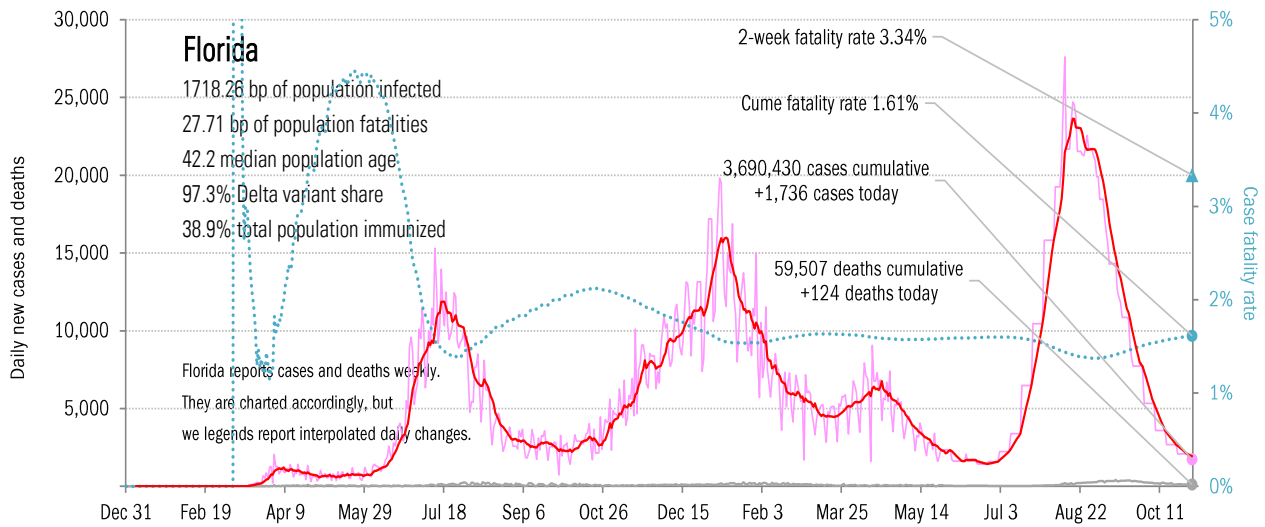
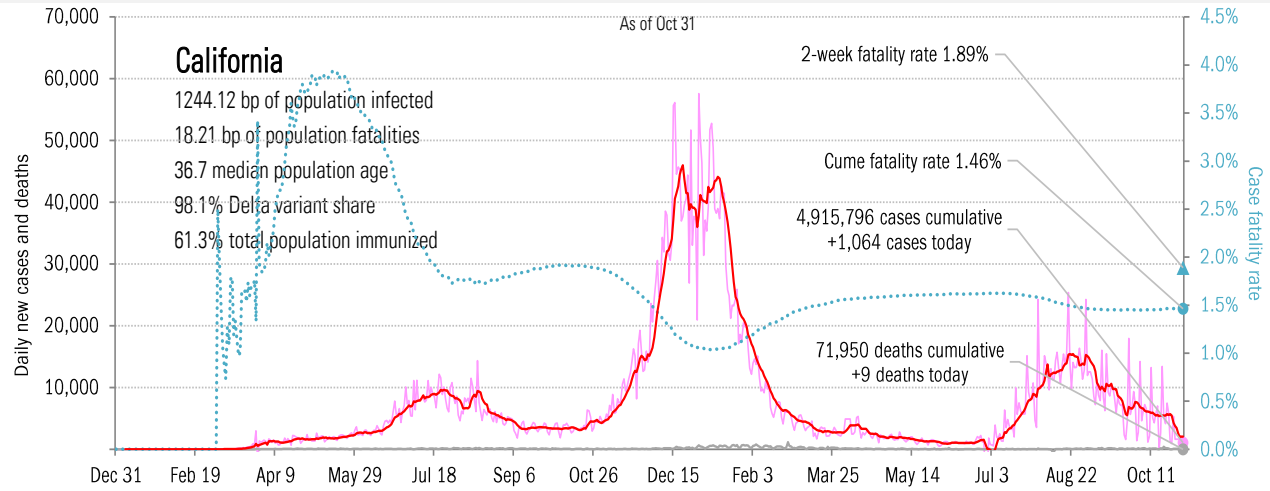
Cases: 7-day average and daily Deaths: Daily



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

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

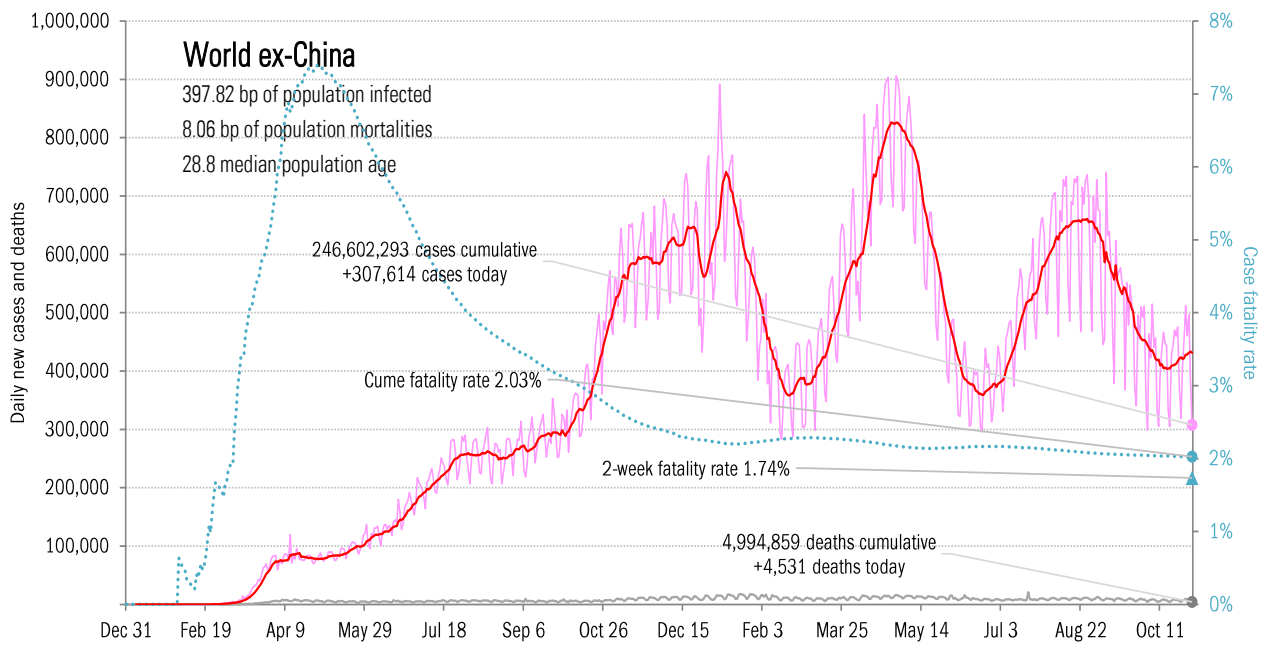
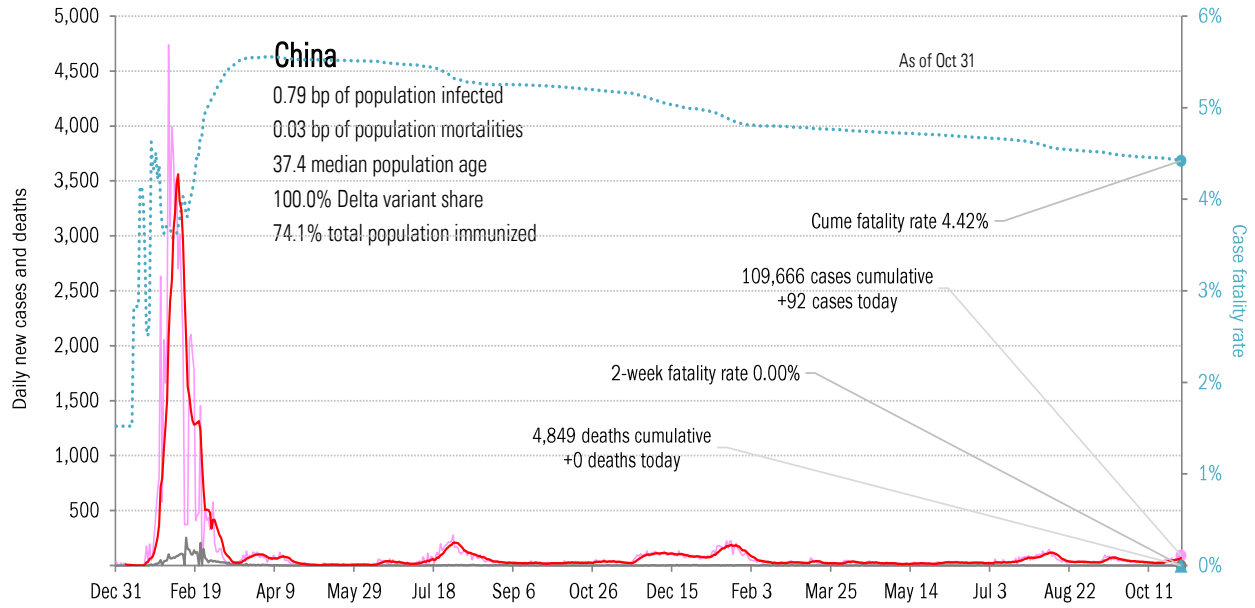
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

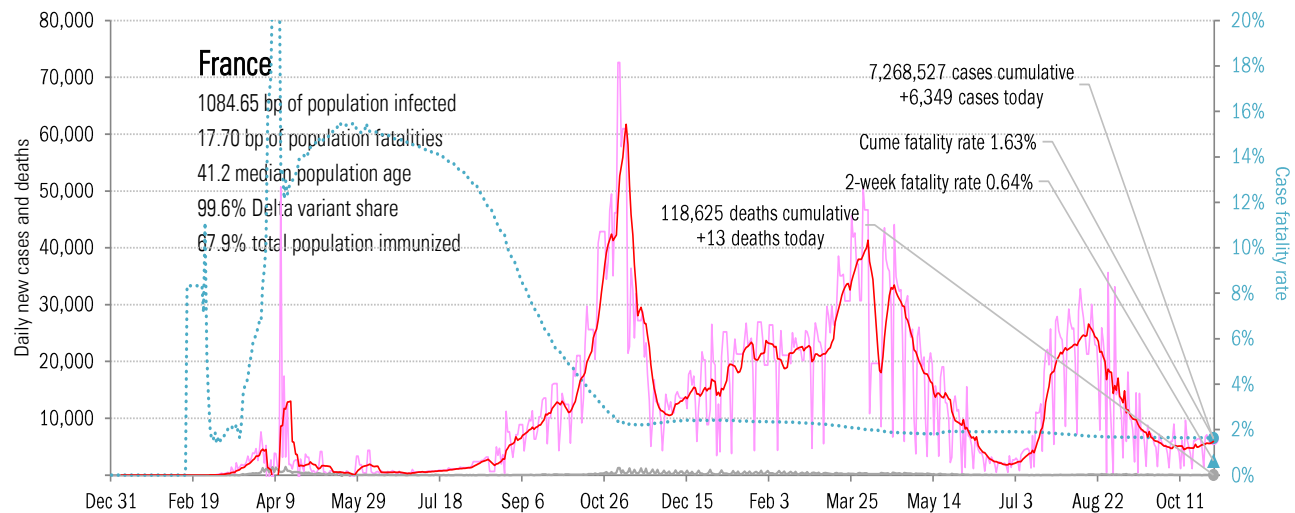
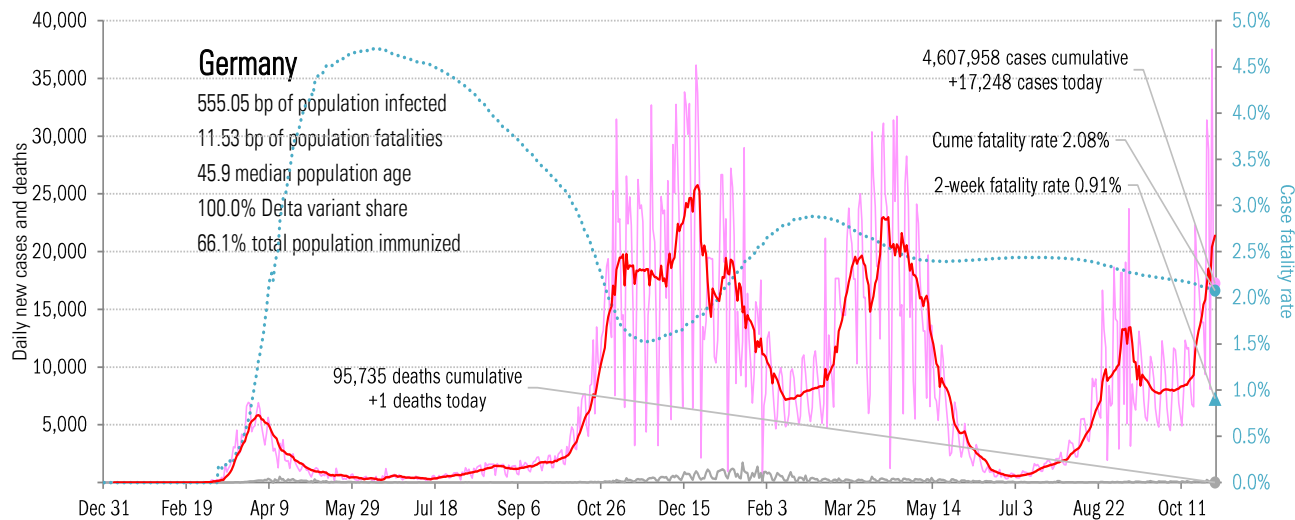
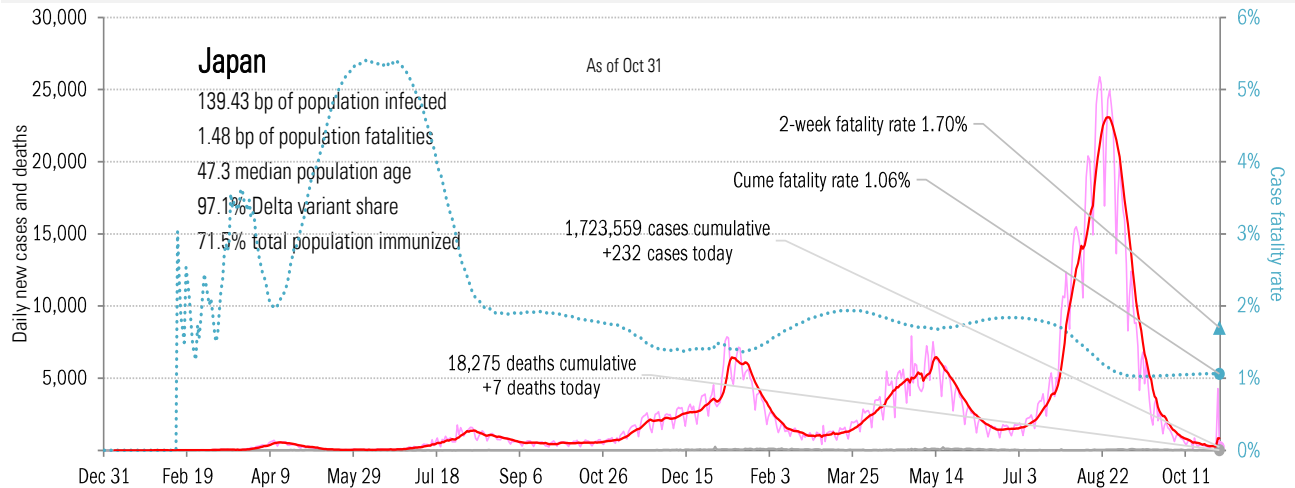
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

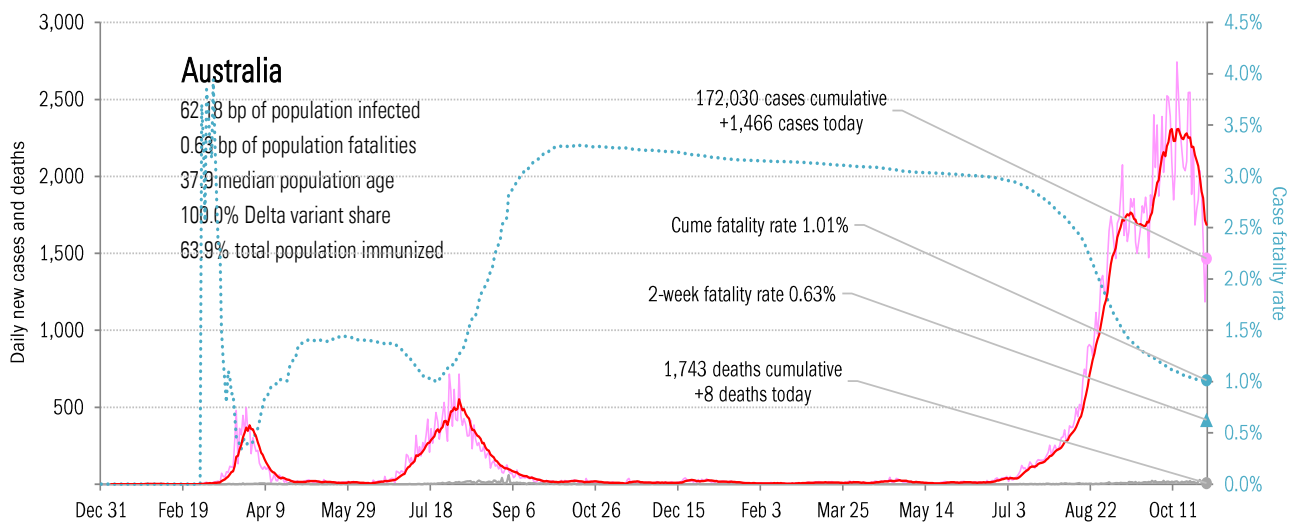
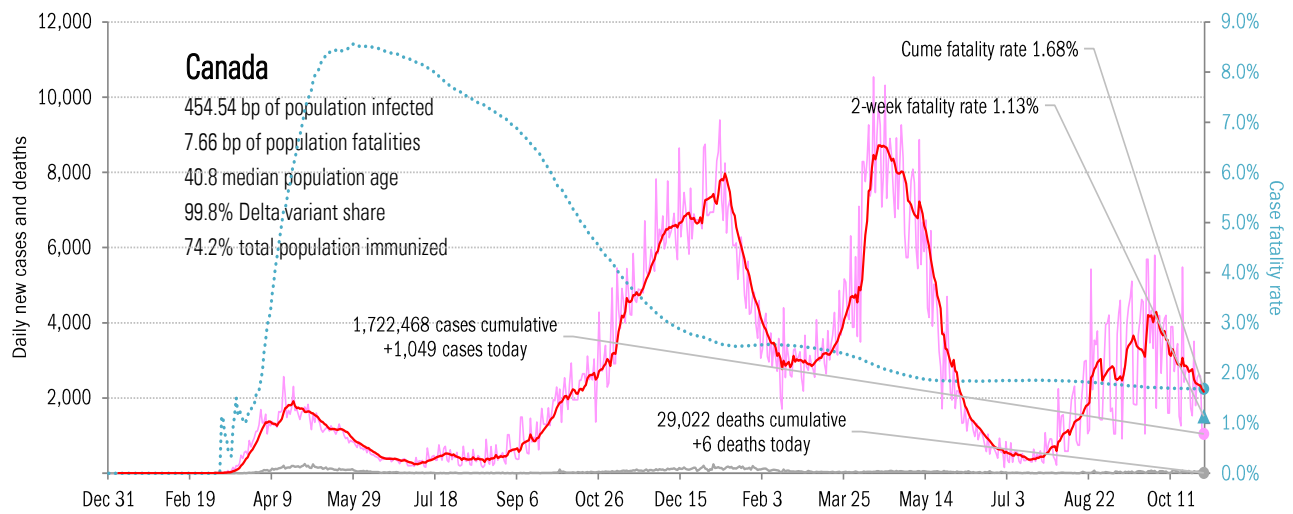
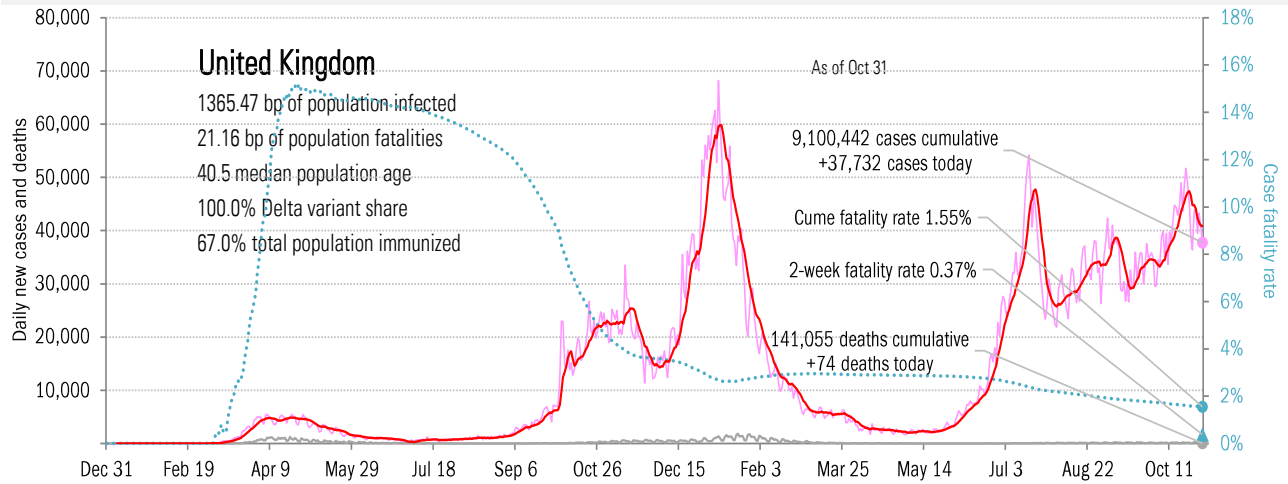
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

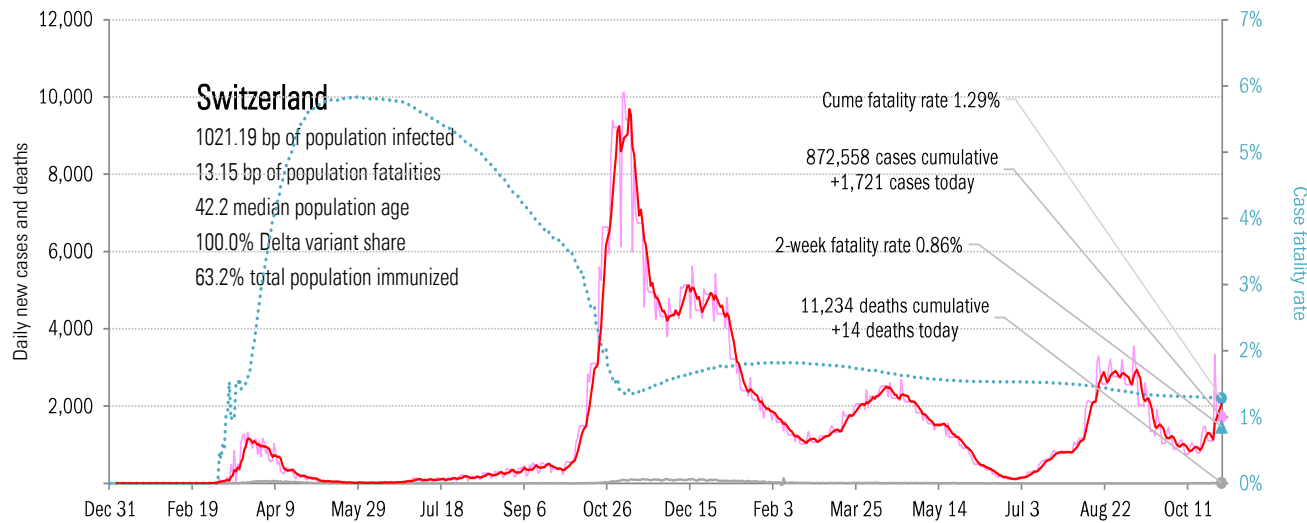
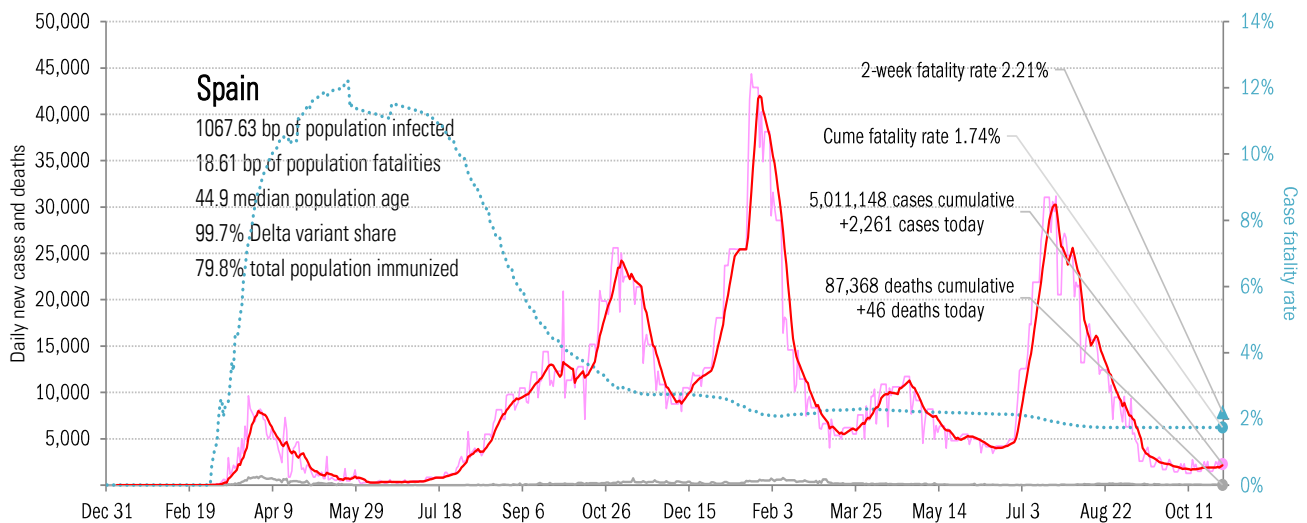
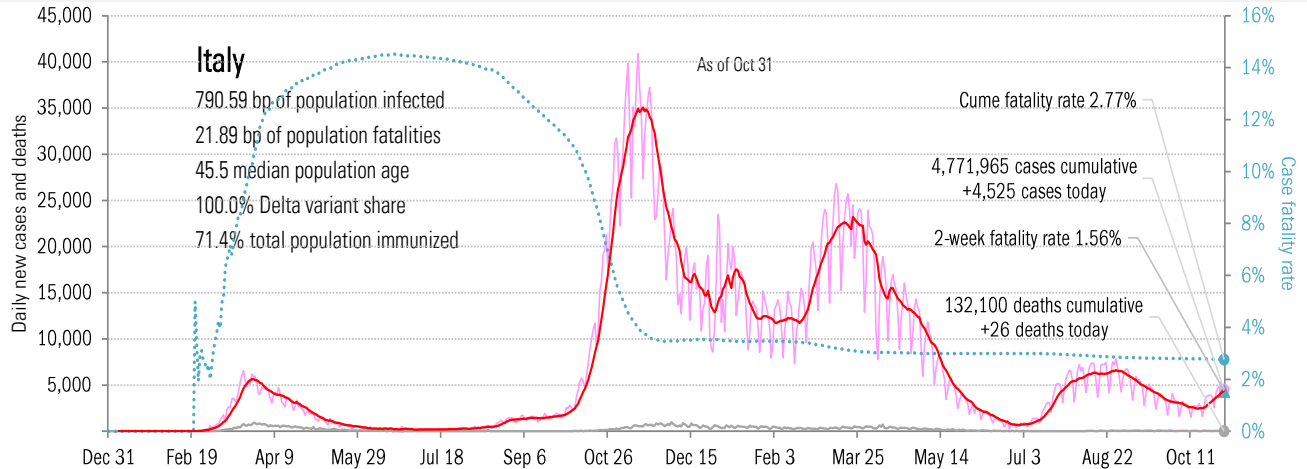


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

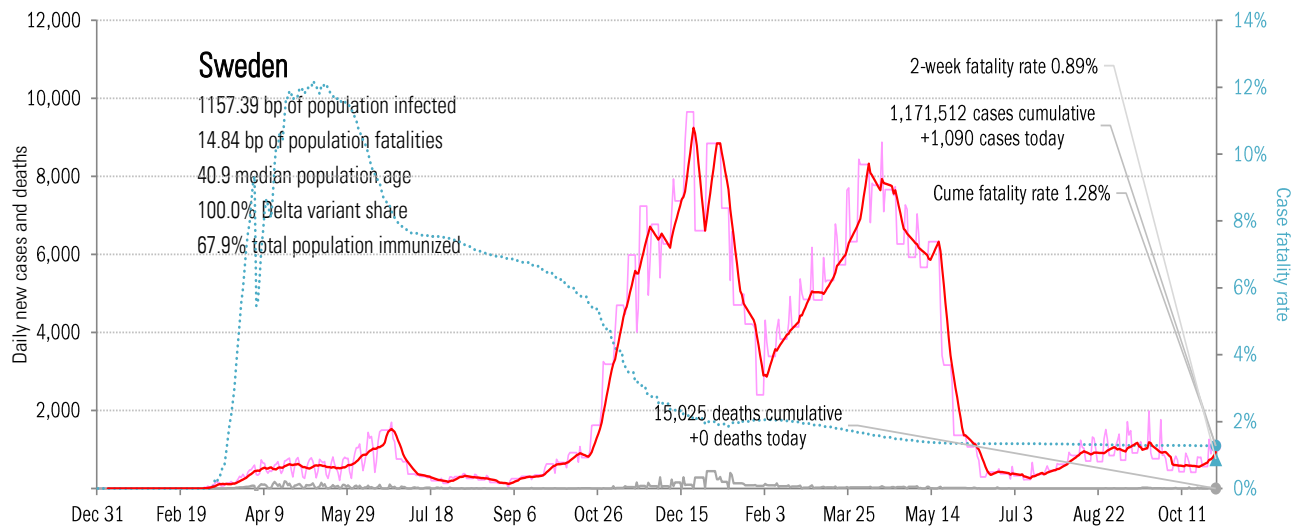
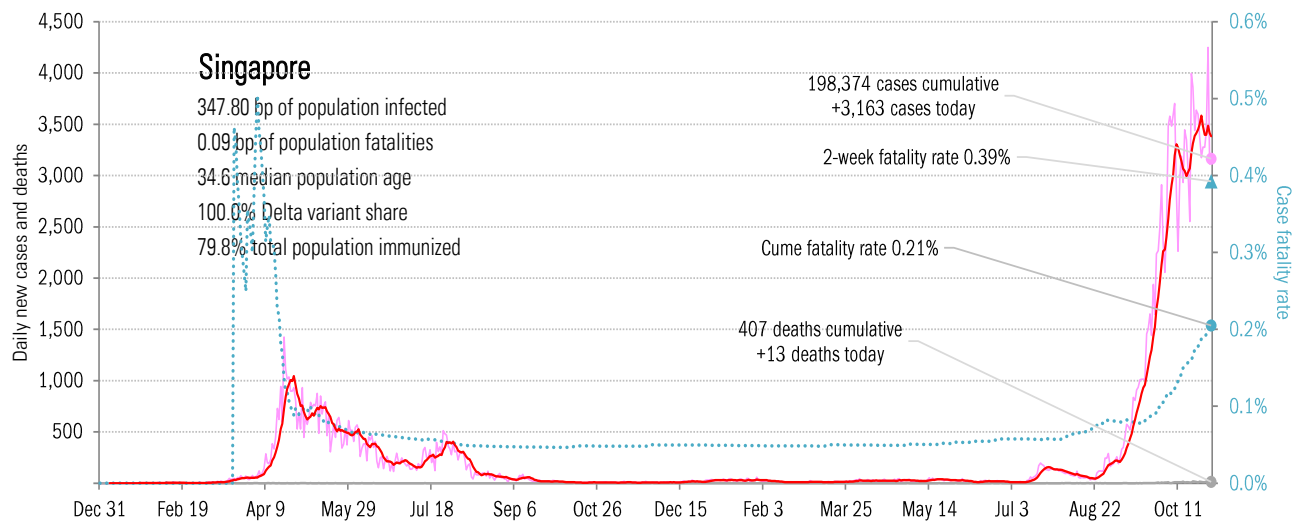
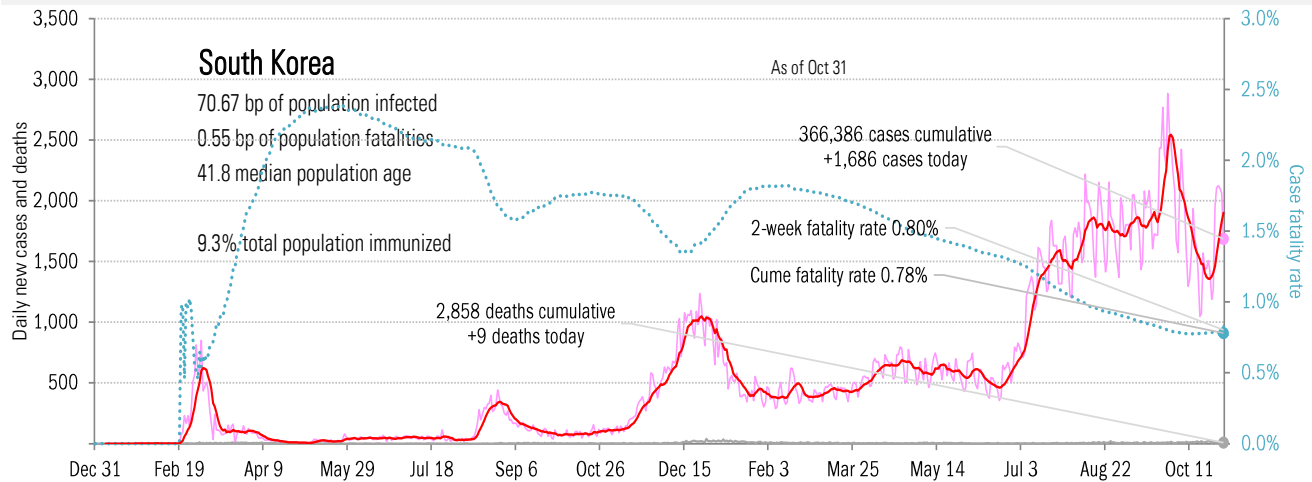
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

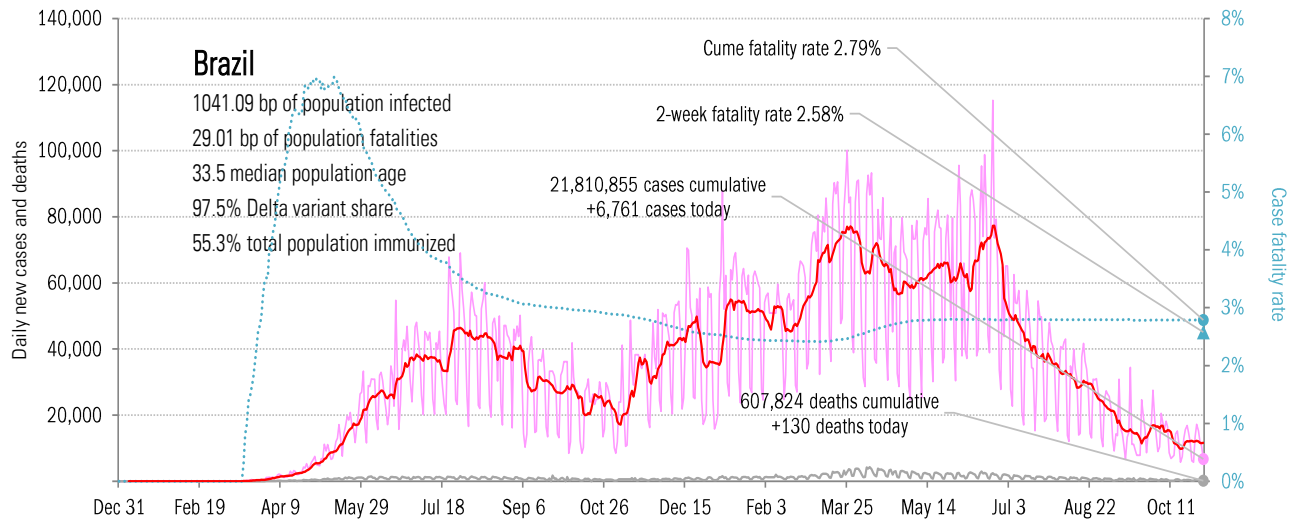
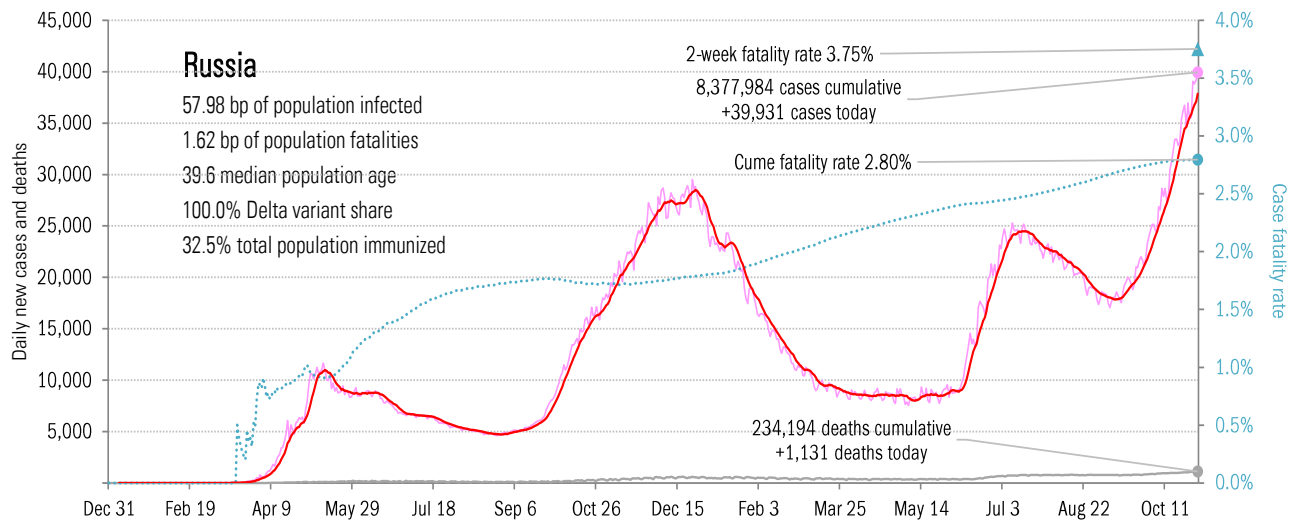
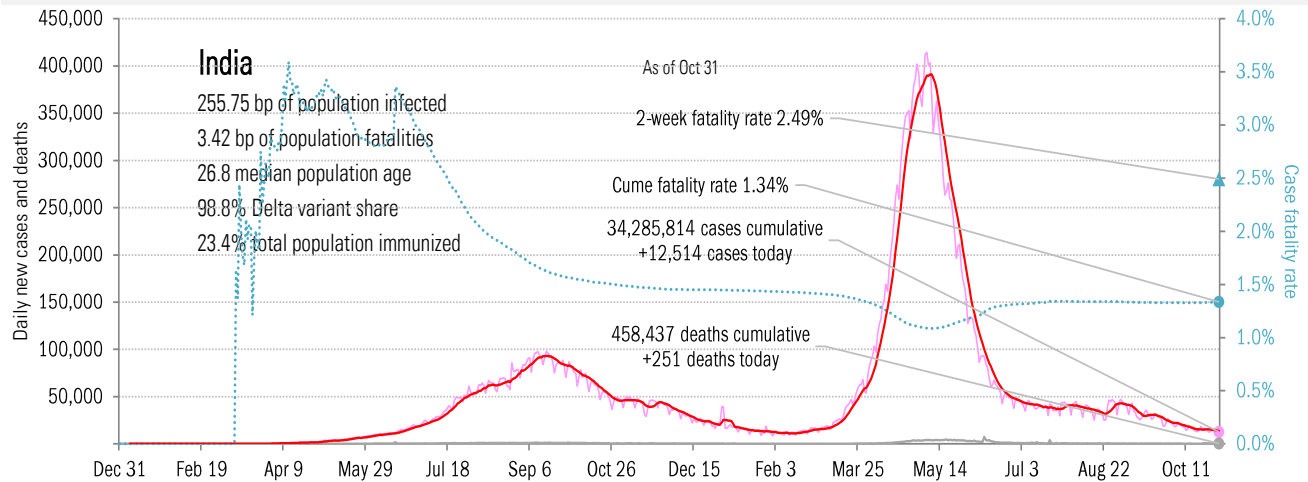
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

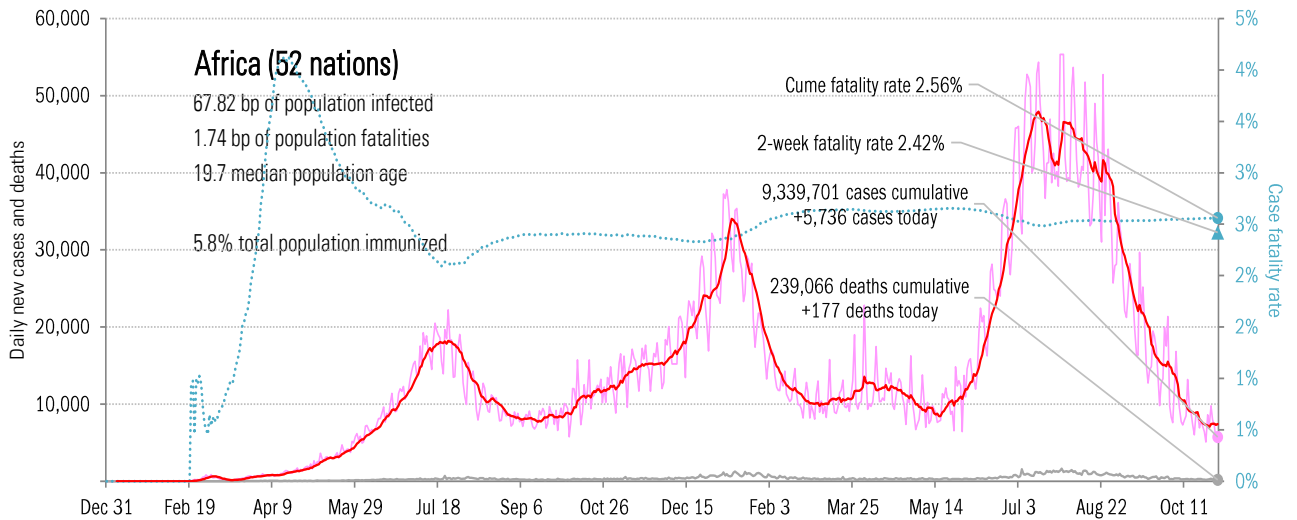
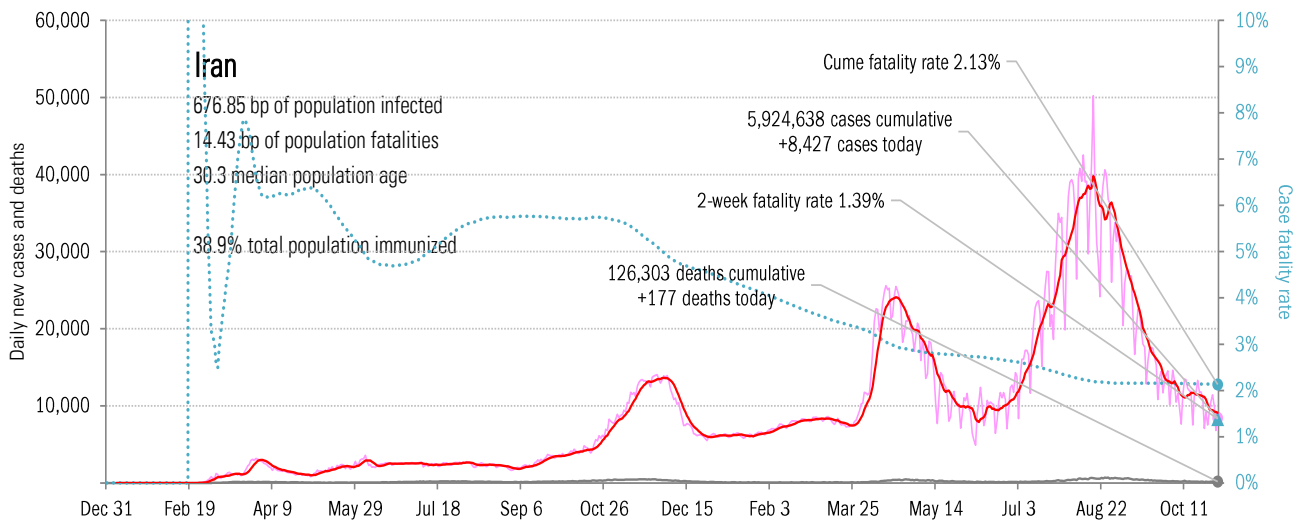
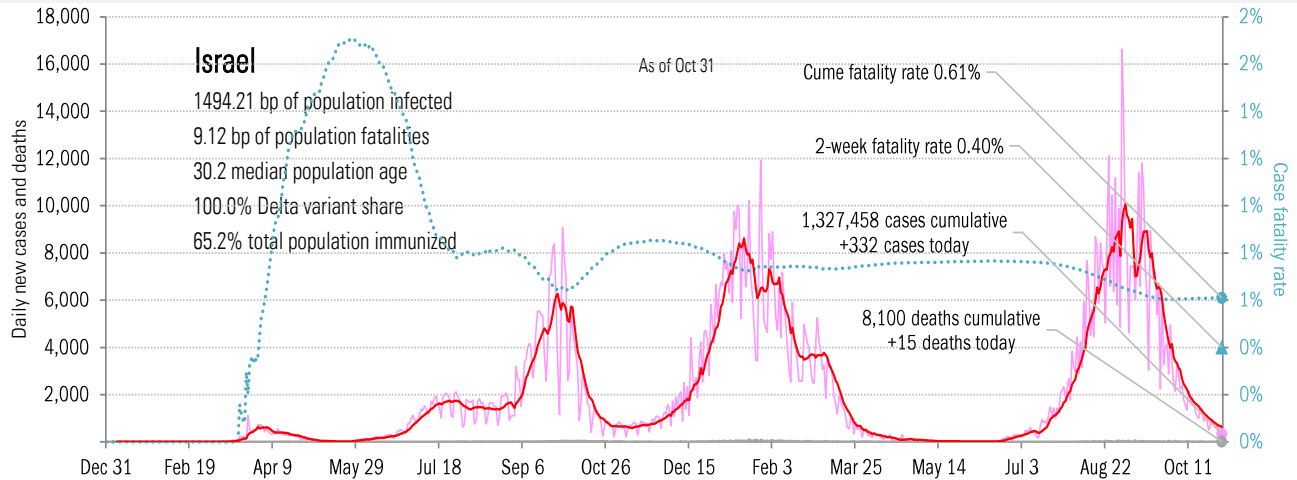
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

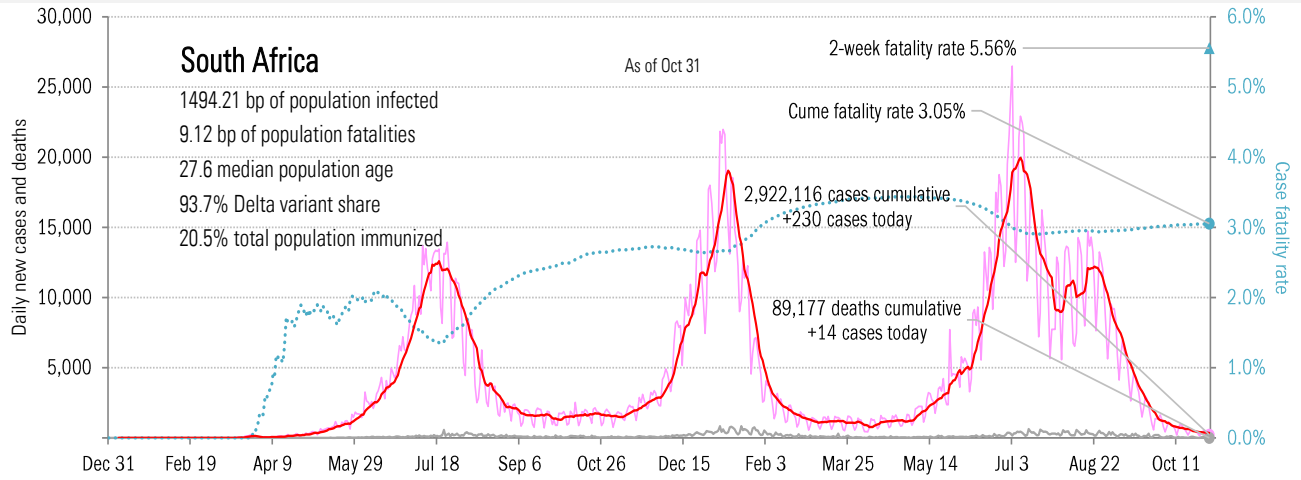
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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