

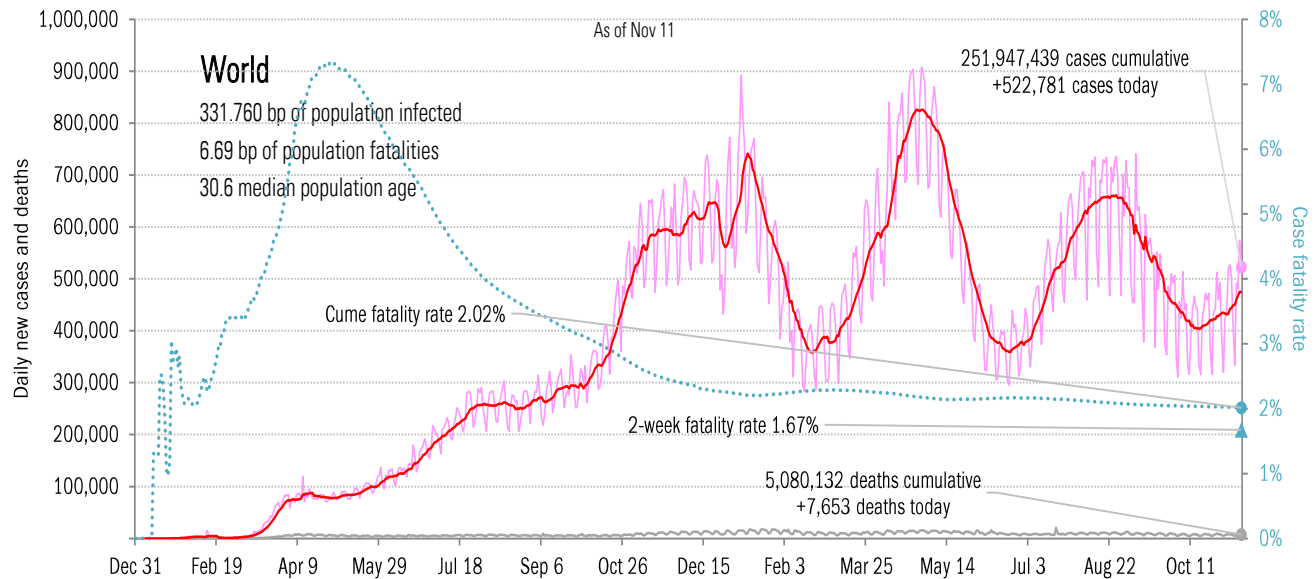
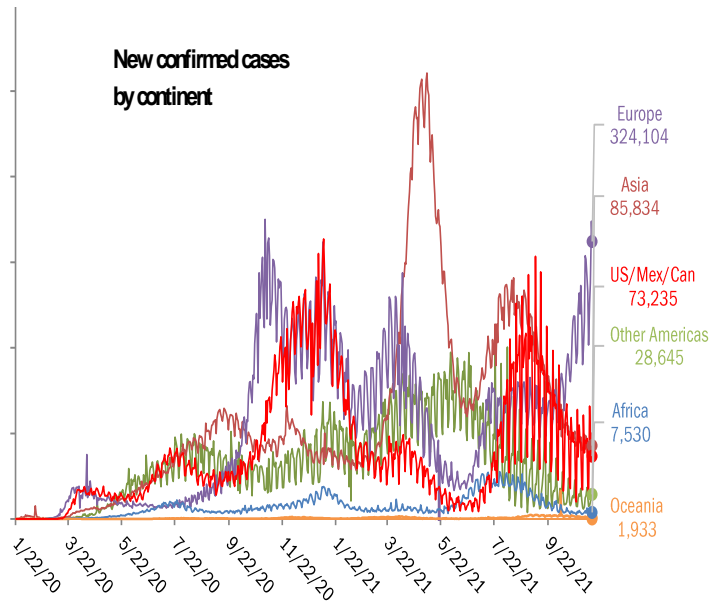
## Data Insights: Covid-2019 Monitor

Friday, November 12, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+64,745	Russia	+1,206
Germany	+48,834	United States	+867
United Kingdom	+43,511	Ukraine	+683
Russia	+39,584	Mexico	+520
Ukraine	+25,922	India	+501
Turkey	+24,898	Romania	+318
Poland	+19,079	Philippines	+299
Netherlands	+16,354	Poland	+274
Brazil	+15,300	United Kingdom	+199
Czechia	+13,536	Turkey	+197
<b>+311,763</b>		<b>+5,064</b>	
World	+522,781	World	+7,653
Top ten	60%	Top ten	66%



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

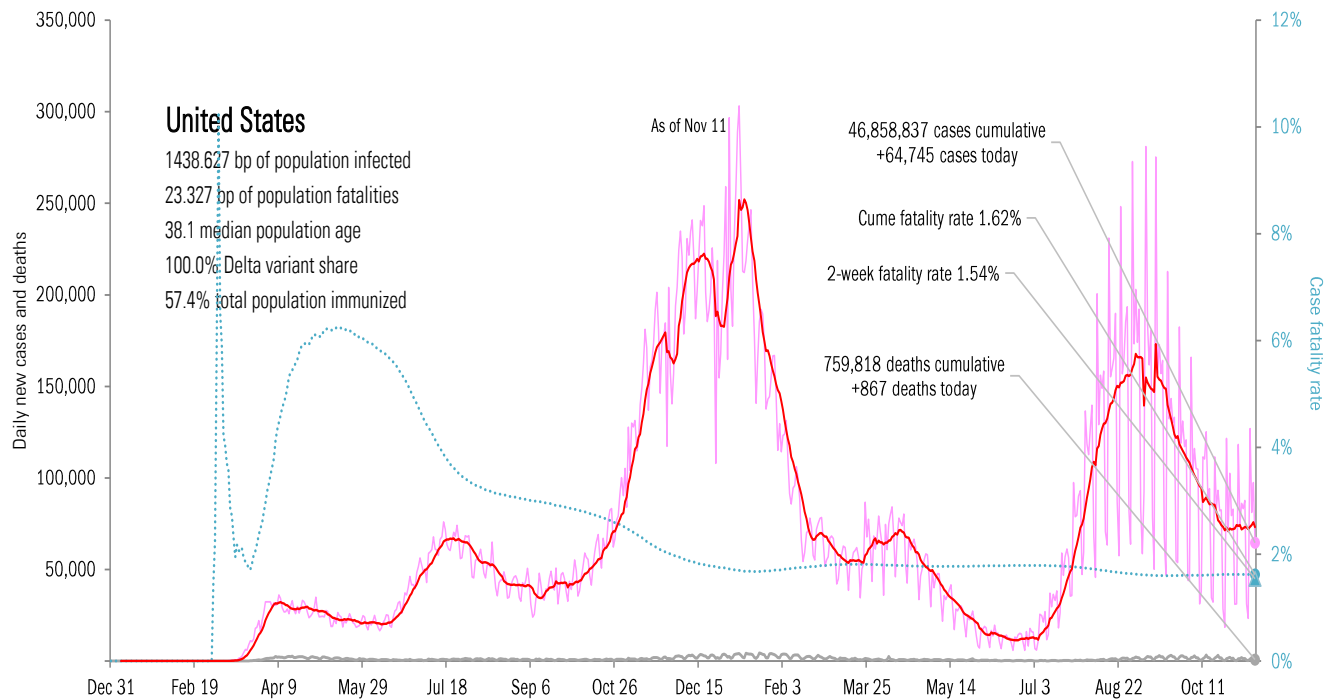
## The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
IN	+6,874		TX	+287		GA	+120		CA	4,992,011		CA	72,960		TX	377,835		RI	89%	NM	89%
CA	+6,714		FL	+107		MI	+65		TX	4,277,412		TX	72,417		FL	320,397		MA	88%	KY	89%
NY	+6,648		CA	+103		CO	+41		FL	3,707,871		FL	60,560		CA	314,242		PA	86%	TX	89%
MN	+5,118		PA	+69		CH	+37		NY	2,610,481		NY	56,868		NY	166,241		MI	85%	NE	88%
CH	+4,994		MN	+43		NJ	+35		IL	1,727,634		PA	32,257		GA	160,914		GA	84%	AL	87%
PA	+4,975		NY	+40		KY	+31		GA	1,644,997		GA	29,749		CH	126,757		MN	84%	DE	86%
TX	+4,409		CO	+33		TX	+30		PA	1,612,997		IL	28,461		PA	119,487		MD	83%	CO	86%
WI	+4,232		VA	+33		MA	+27		CH	1,590,792		NJ	28,146		KY	112,200		WA	83%	MI	85%
AZ	+4,173		AZ	+27		IL	+24		NC	1,497,677		CH	25,282		IL	106,286		MO	82%	MN	85%
CO	+3,912		AR	+22		MN	+23		MI	1,329,089		MI	24,217		MI	94,668		WV	82%	OK	85%
+52,049			+764			+433			24,990,961			430,917			1,899,027						
All states	+64,745		+867			+362			All states	46,858,837		759,818			3,401,504			All states	70%	67%	
Top ten	80%		88%			120%			Top ten	53%		57%			56%			Median	77%	79%	

Some states not reporting

## Five most improved US states

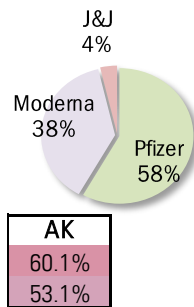
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-9,365	MI	-190	AZ	-71	TN	+61 bp
IL	-5,044	PA	-127	PA	-62	WY	+10 bp
FL	-3,562	GA	-102	CH	-46	ND	+10 bp
KS	-2,739	IA	-97	WA	-41	LA	+10 bp
NC	-2,156	KS	-78	CA	-34	AR	+10 bp



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	446,557,250		+1.362 million			US	57.4%	66.8%
Boosters	26,534,022		+0.736 million			UK	67.3%	73.8%
	One dose	% Pop	Immune	% pop	New immune today	France	68.5%	76.1%
Total population	230,377,861	69%	199,414,677	60%	+0.219 million	Spain	80.1%	81.5%
Age 12 to 17	14,331,568	60%	12,053,982	51%	+0.020 million	Germany	66.7%	69.2%
Age 18 to 64	158,806,980	78%	137,813,829	68%	+0.166 million	Italy	72.3%	77.5%
Age 65 and over	55,734,384	100%	48,615,973	89%	+0.031 million	Australia	68.2%	75.3%



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

Every American >18 immunized in **140 days** by Mar 29, 2022  
 72.2% of population >18 immunized  
 16.7% previously tested positive  
**88.9%** vs 60% adult herd immunity

Israel	61.9%	67.3%
Canada	75.0%	78.8%
Japan	74.7%	78.5%
Africa	6.3%	9.5%
India	25.3%	53.5%
Brazil	58.3%	75.3%
China	74.3%	80.0%

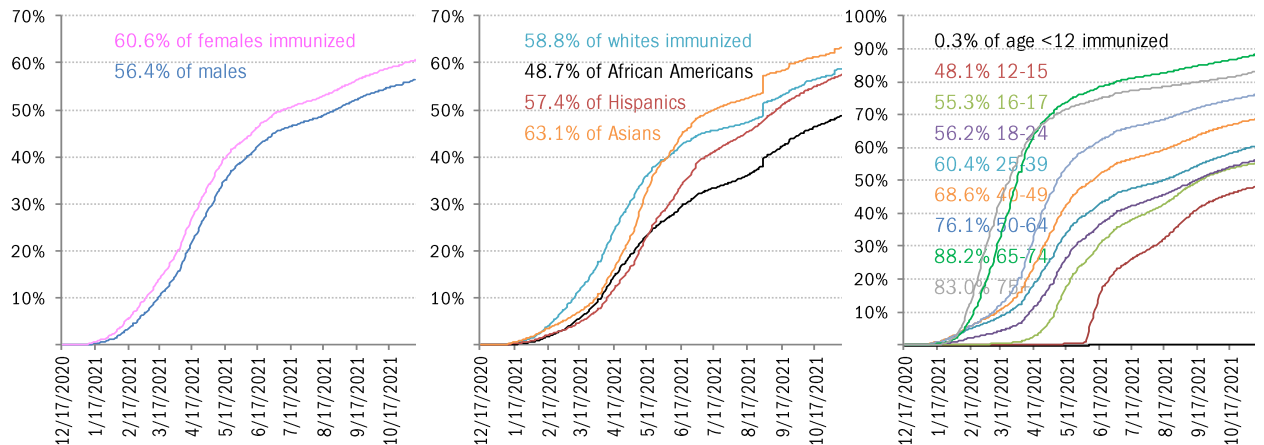
Global data differs due to sources, timing

As of Nov 10

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH
70.1%	49.7%	57.6%	55.8%	66.1%	66.6%	58.9%	75.3%	80.9%	79.6%
64.1%	44.4%	51.0%	48.0%	61.7%	61.1%	53.9%	67.3%	71.8%	63.4%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA
69.1%	64.3%	51.7%	63.3%	63.3%	63.3%	63.3%	0.5%	76.2%	81.6%
63.3%	53.5%	44.6%	53.5%	53.5%	53.5%	53.5%	1.3%	66.9%	70.2%
CA	UT	CO	NE	VA	MD	CT	RI		
75.7%	61.9%	68.6%	61.7%	2.3%	73.6%	80.3%	79.4%		
61.9%	54.4%	62.2%	56.6%	3.7%	66.5%	71.2%	71.5%		
AZ	NM	KS	AR	TN	NC	SC	DC	DE	
61.9%	73.2%	63.6%	58.7%	55.2%	66.0%	58.4%	76.6%	70.1%	
53.6%	62.6%	53.7%	48.5%	48.7%	53.3%	50.5%	63.2%	60.5%	
OK	LA	MS	AL	GA					
60.5%	54.3%	52.6%	55.1%	57.5%					
50.6%	48.1%	46.2%	45.2%	48.8%					
TX	FL	PR							
62.0%	69.8%	82.8%							
53.8%	60.2%	74.0%							

Because of the Veterans Day holiday, the CDC did not update its vaccine database.

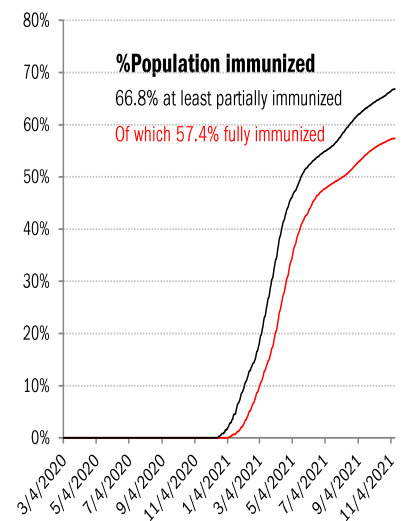
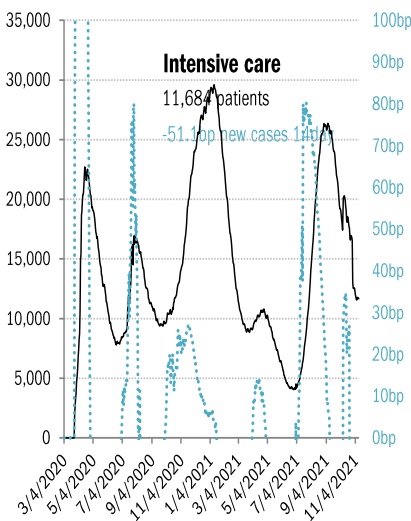
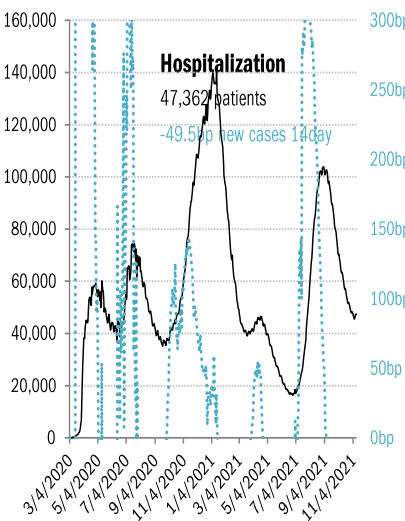
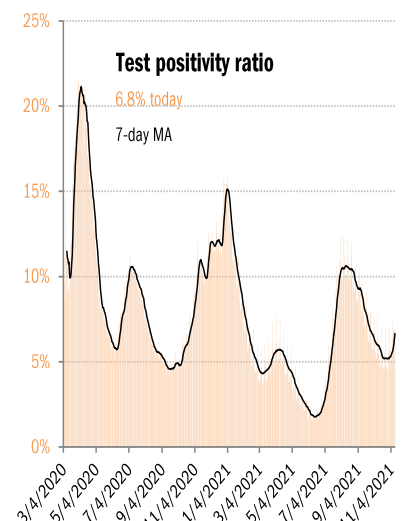
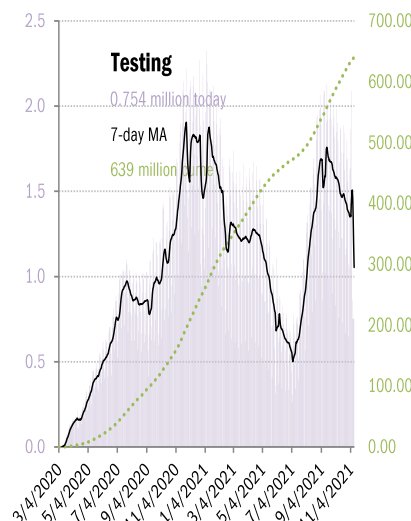
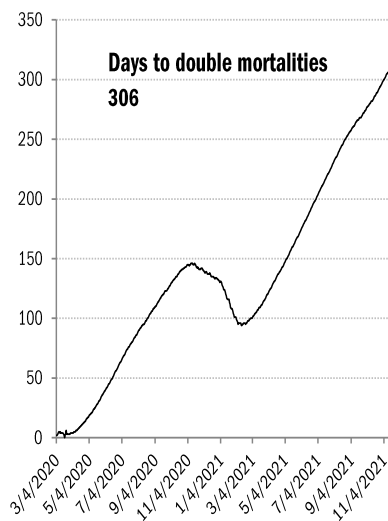
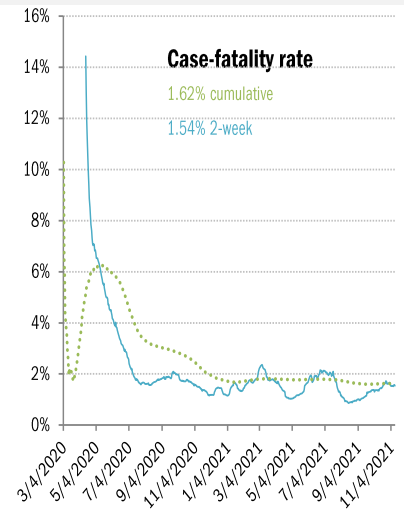
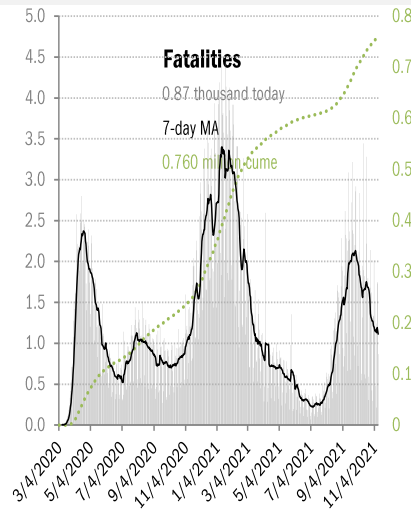
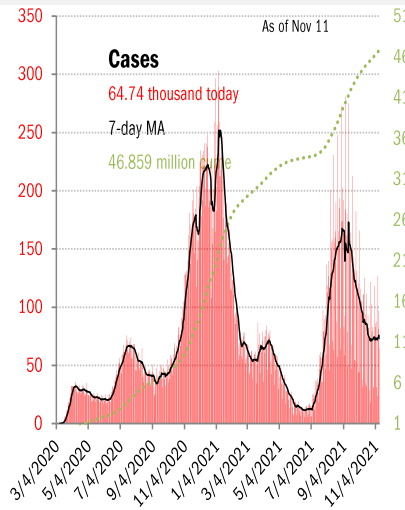
## The demographics of US vaccination



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

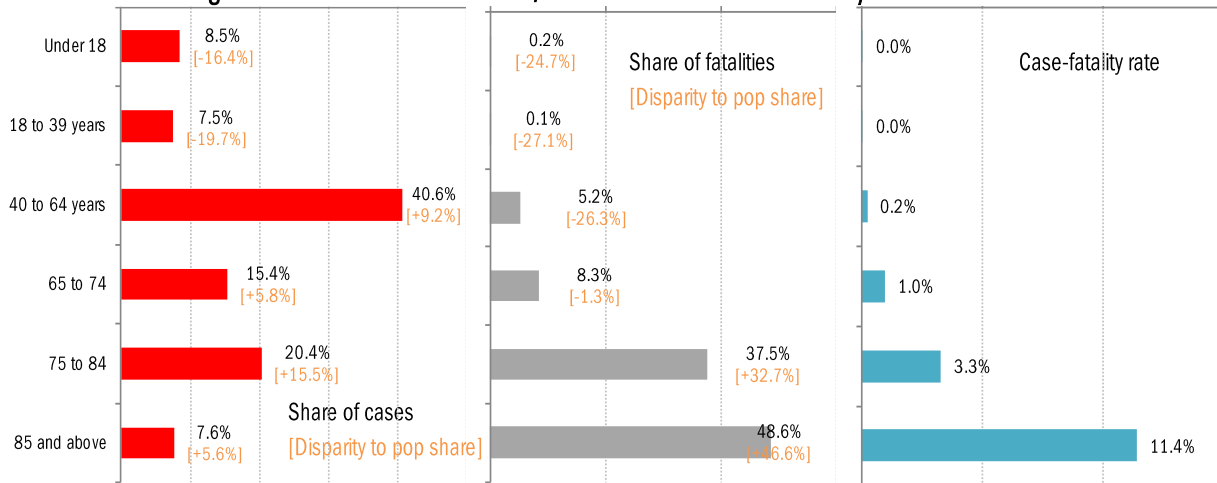
# US deep-dive

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

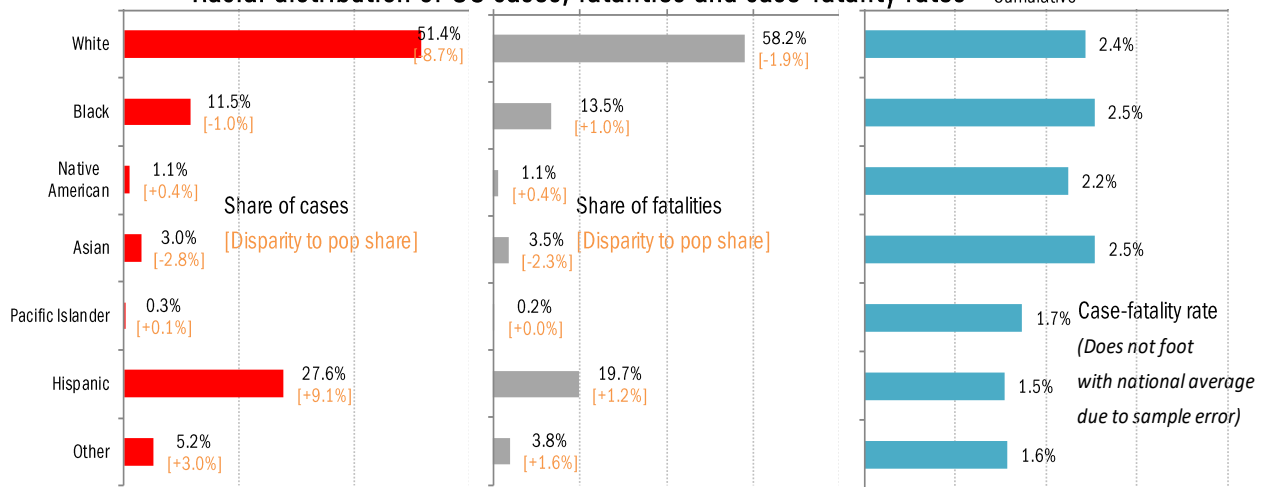


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

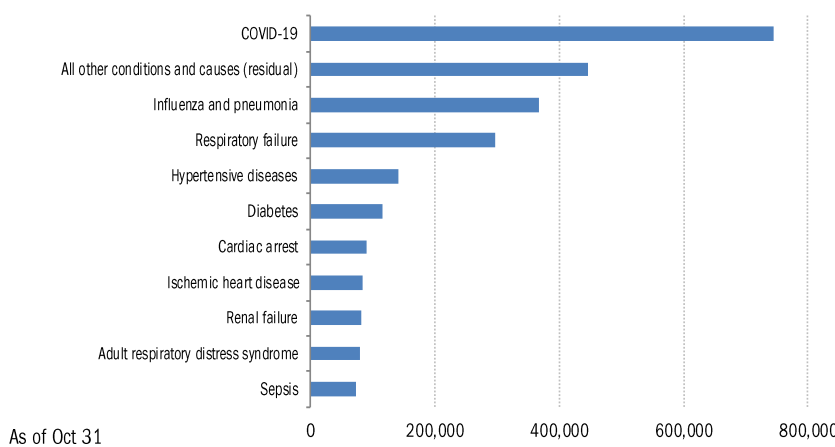


Racial distribution of US cases, fatalities and case-fatality rates



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

### [Germany's Covid Wave Isn't Receding as Hospitals Struggle](#)

Tim Loh  
*Bloomberg*  
November 12, 2021

### [Scholz Aims to 'Winter Proof' Germany Against New Covid Wave](#)

Patrick Donahue and Arne Delfs  
*Bloomberg*  
November 11, 2021

### [Only 28% of New York office workers are back in the office](#)

Robert Frank  
*CNBC*  
November 10, 2021

### [Texas Schools Can Require Masks Indoors, Federal Judge Says](#)

Laurel Brubaker Calkins  
*Bloomberg*  
November 10, 2021

### [Gavin Newsom's DOUBLE JAB of Covid booster and flu shot made him sick enough to cancel Scotland trip and disappear from public view for nearly two weeks until he popped up at Ivy Getty's wedding on Saturday](#)

Josh Boswell and Kayla Bradley  
*Daily Mail*  
November 10, 2021

### [Israel Holds 'War Games' to Prepare for More Lethal Covid Strain](#)

Gwen Ackerman  
*Bloomberg*  
November 11, 2021

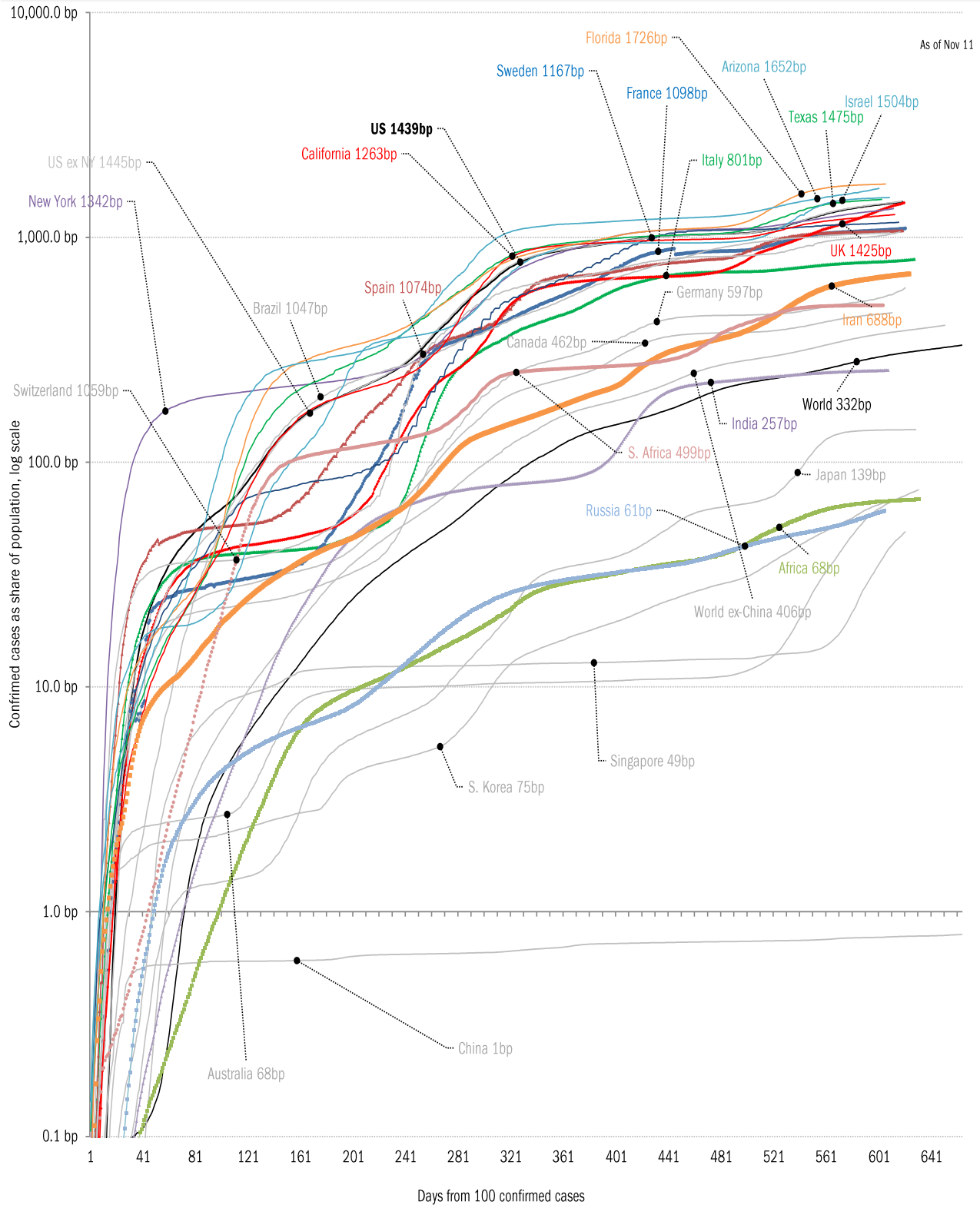
## Meme of the day



'The Booster Shot Had Absolutely No Side Effects,' Says Gavin Newsom's Second Head

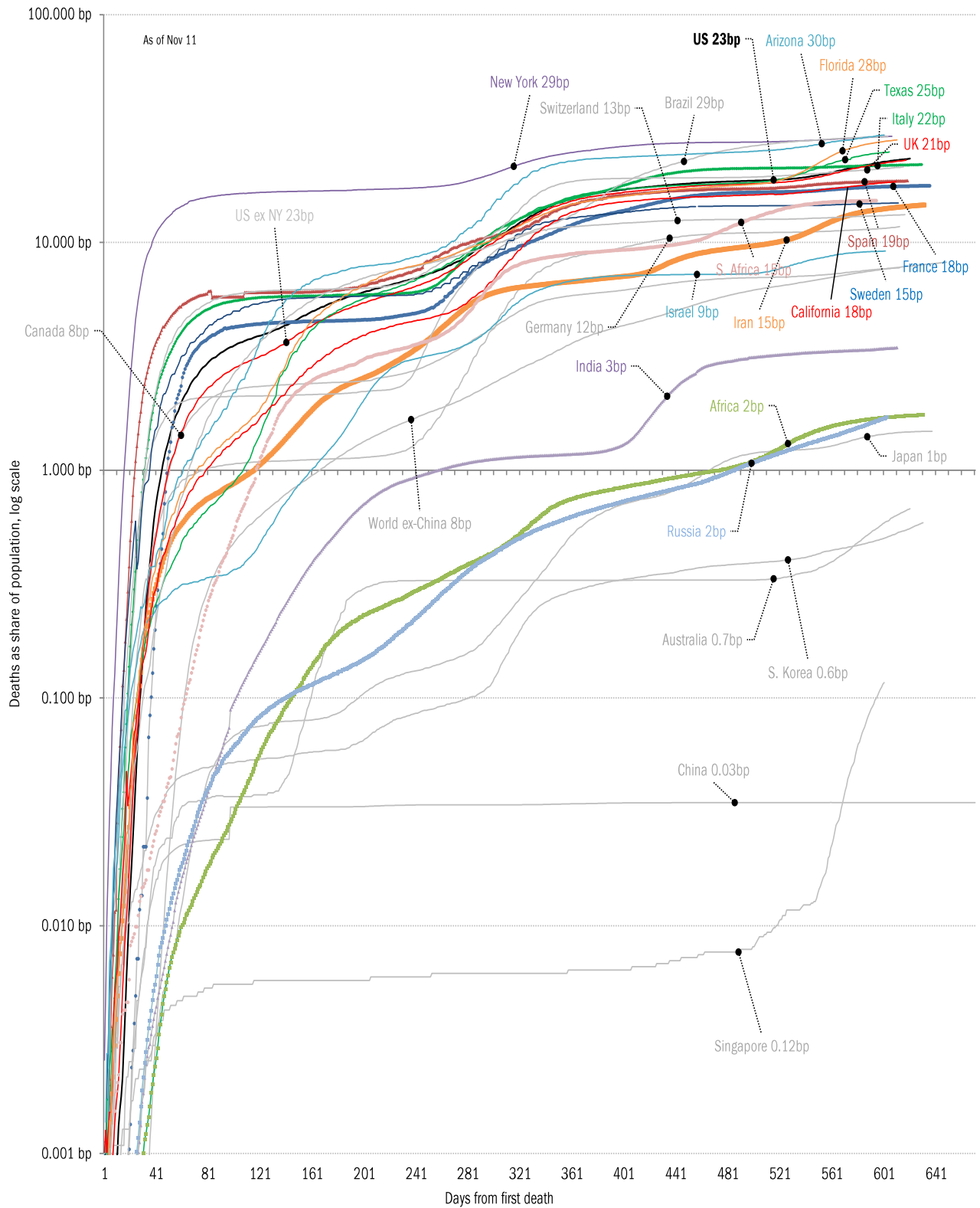
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



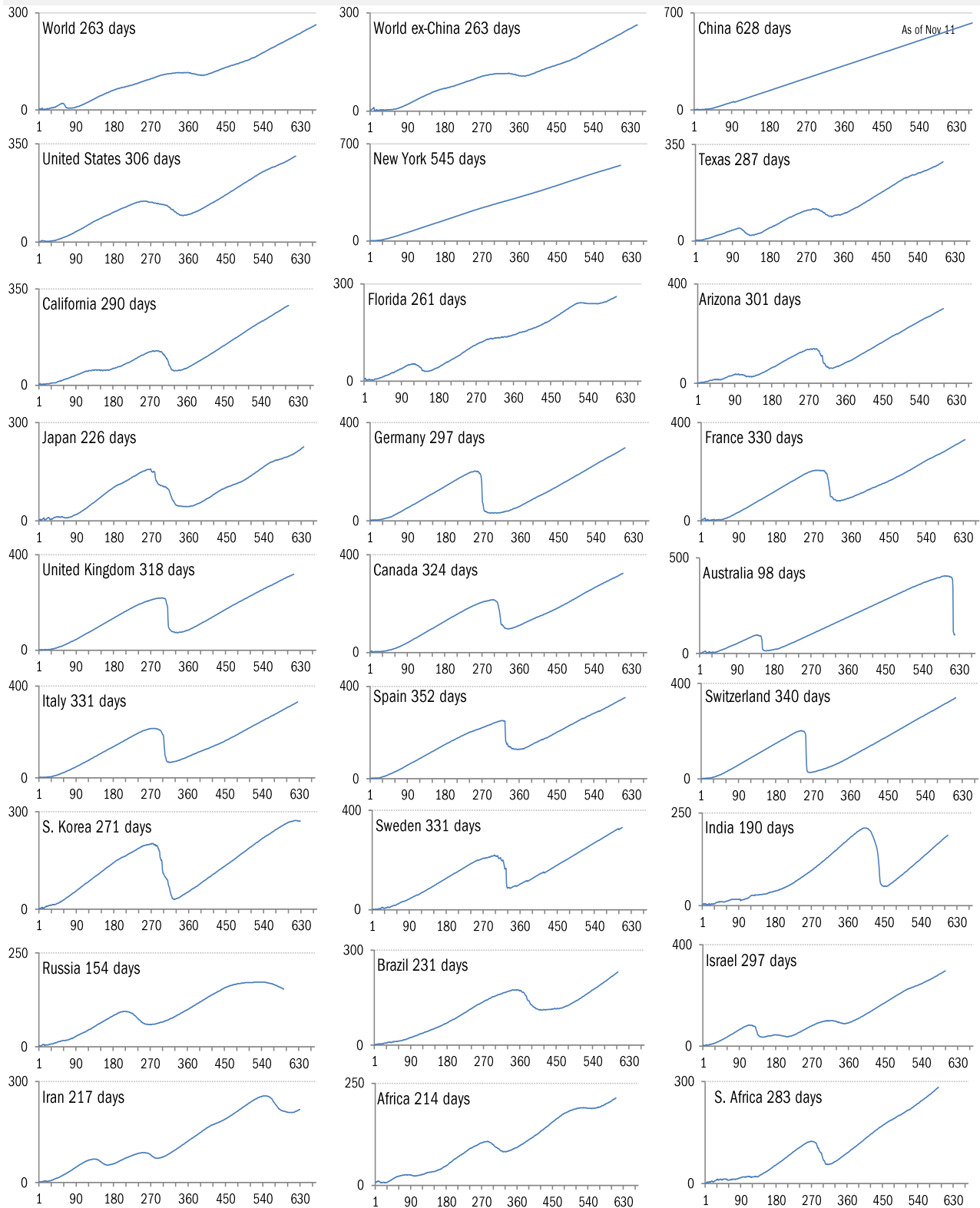
Source: [Johns Hopkins](#), TrendMacro calculations



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

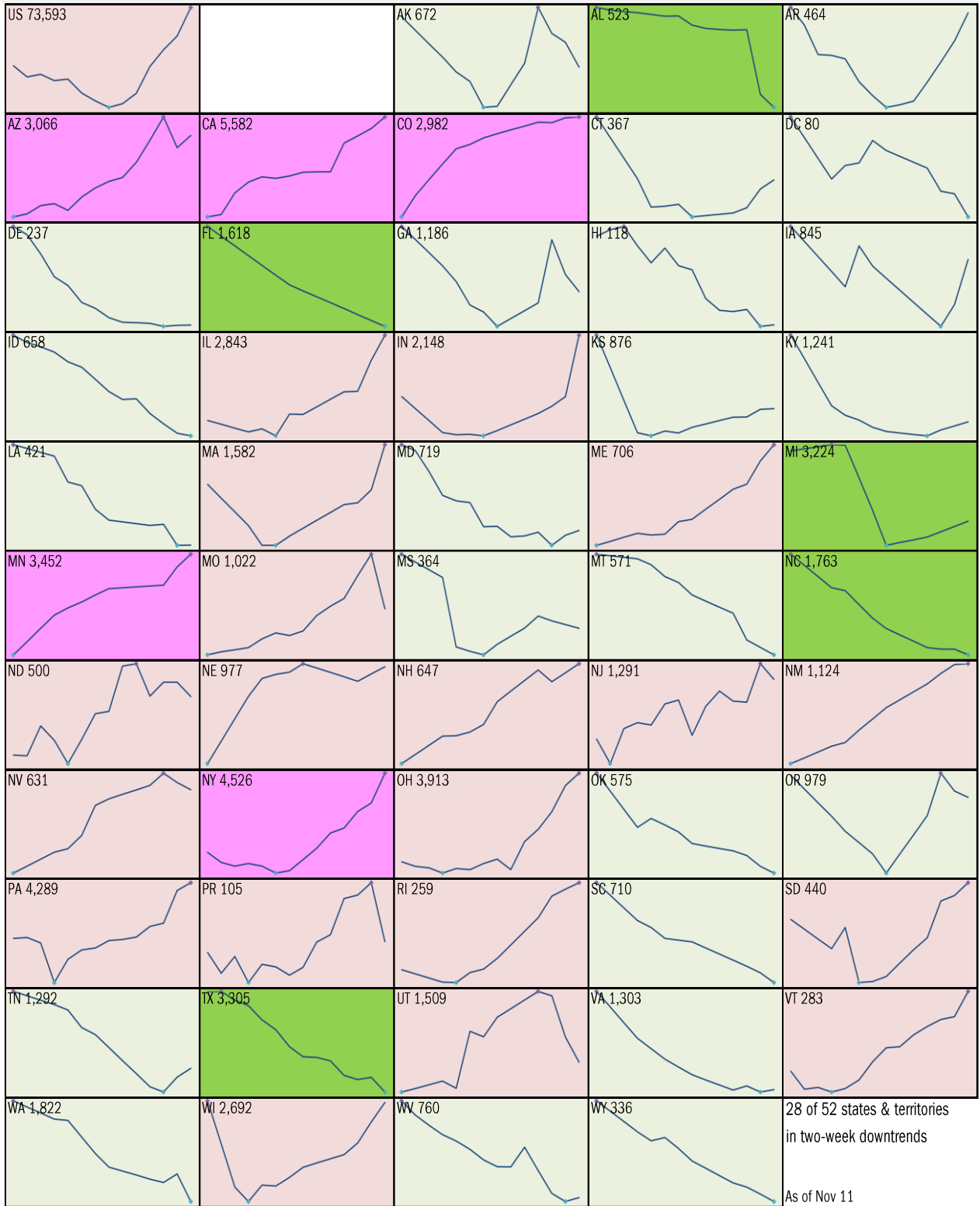
Vertical: days to double deaths Horizontal: days from first death

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

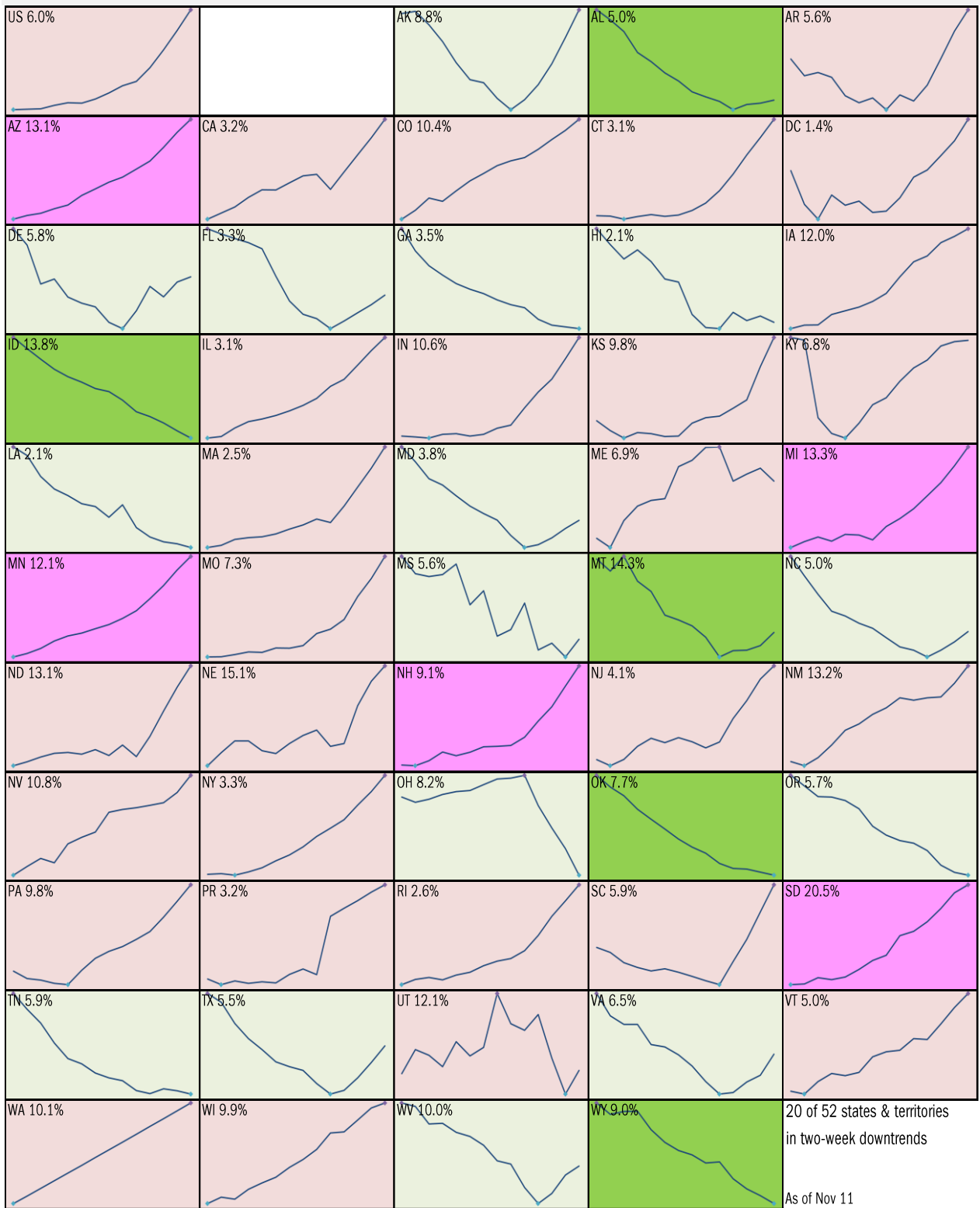


Source: [Johns Hopkins](#), TrendMacro calculations

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

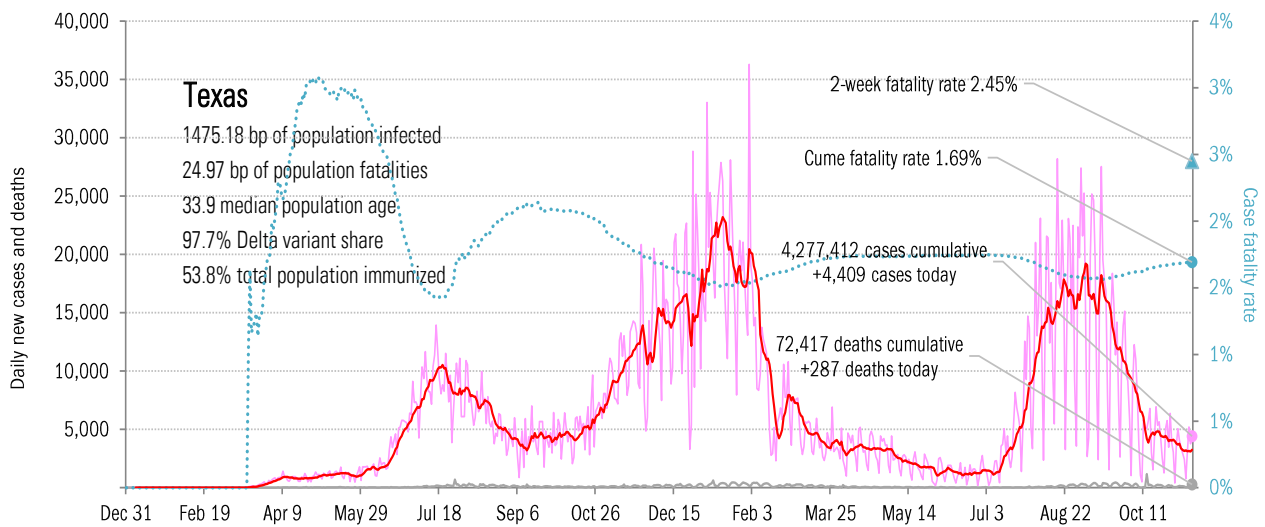
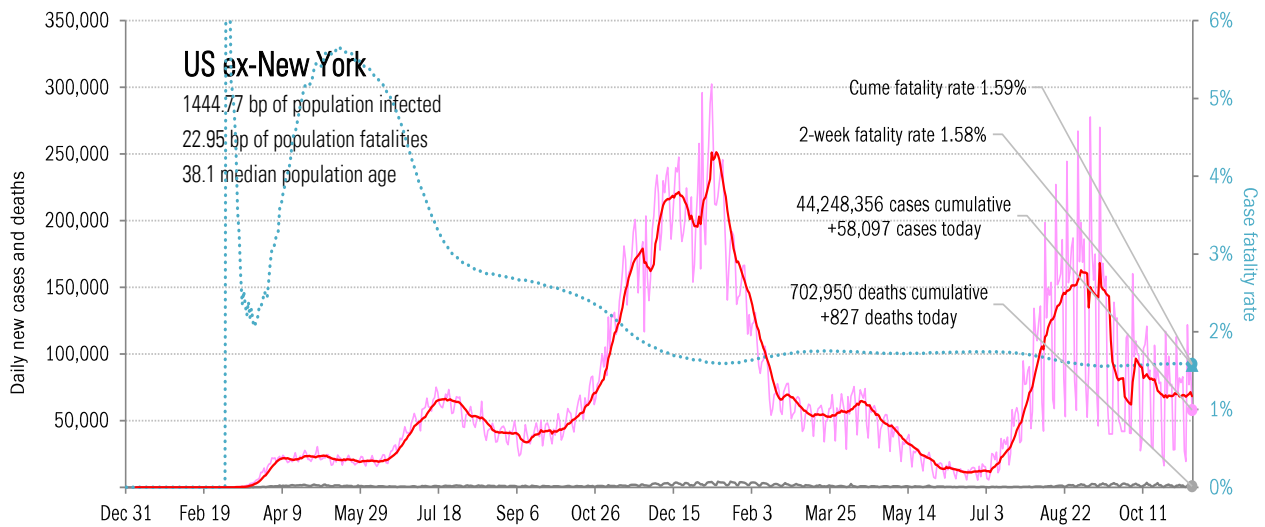
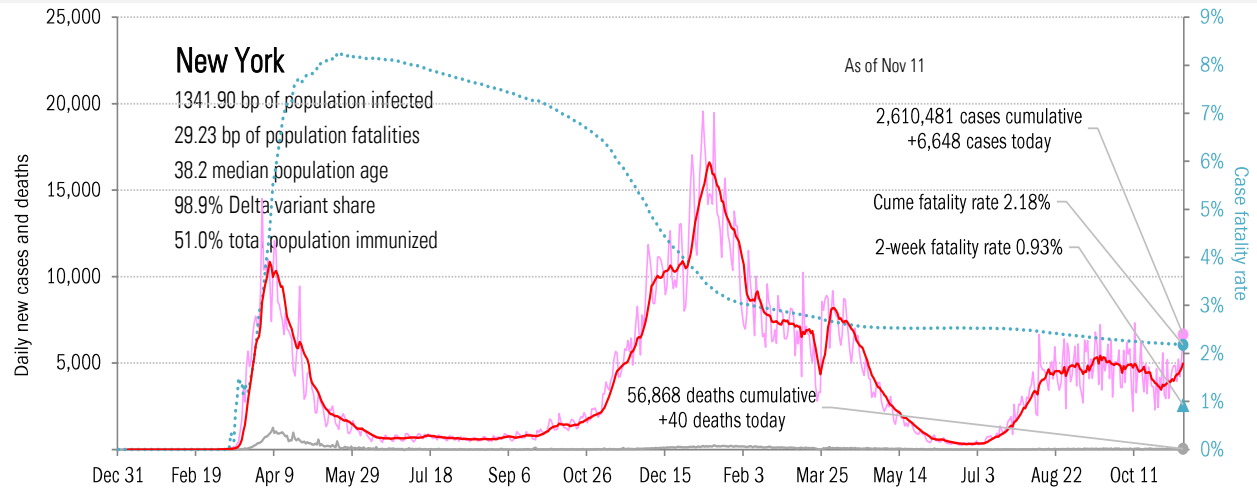
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

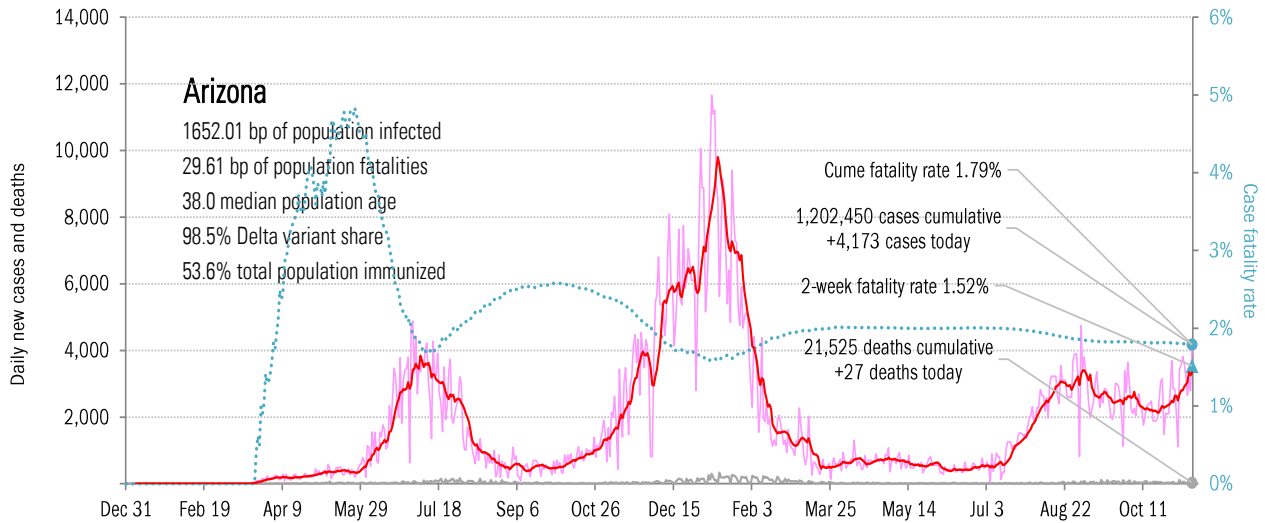
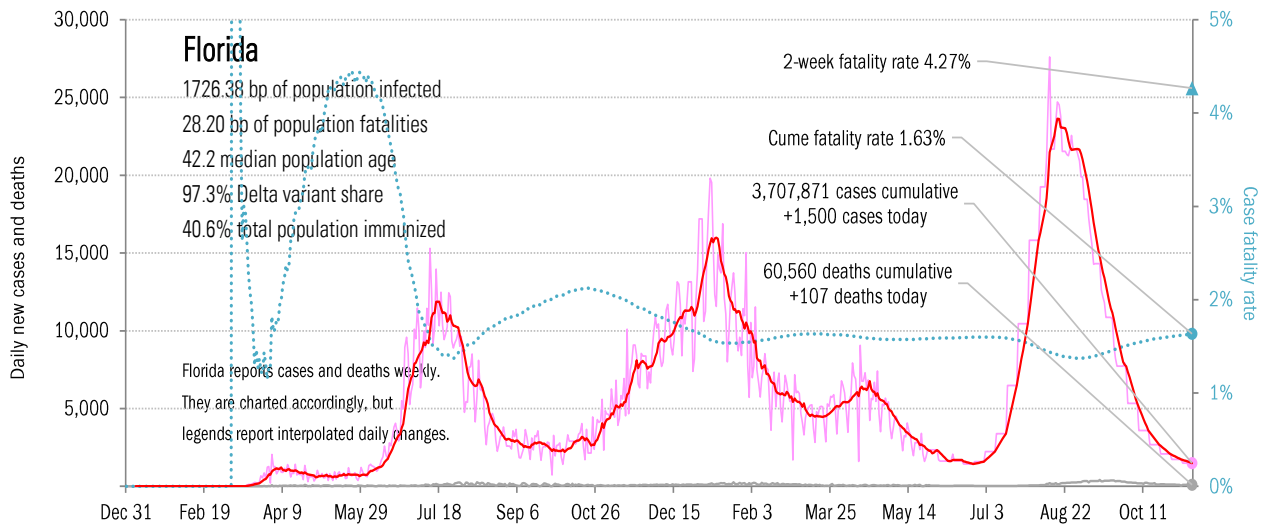
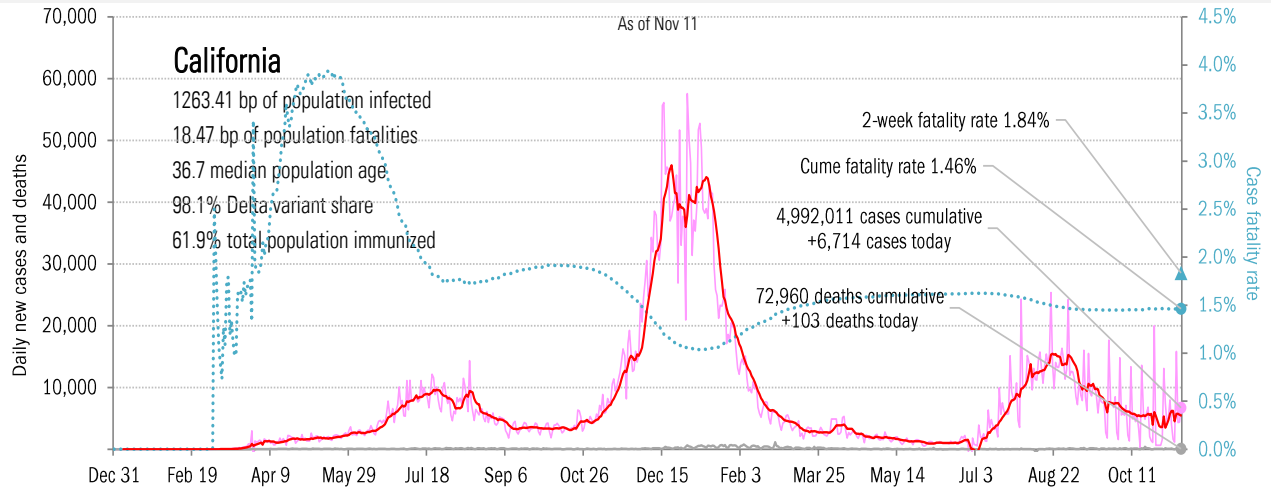
Cases: 7-day average and daily Deaths: Daily



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

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

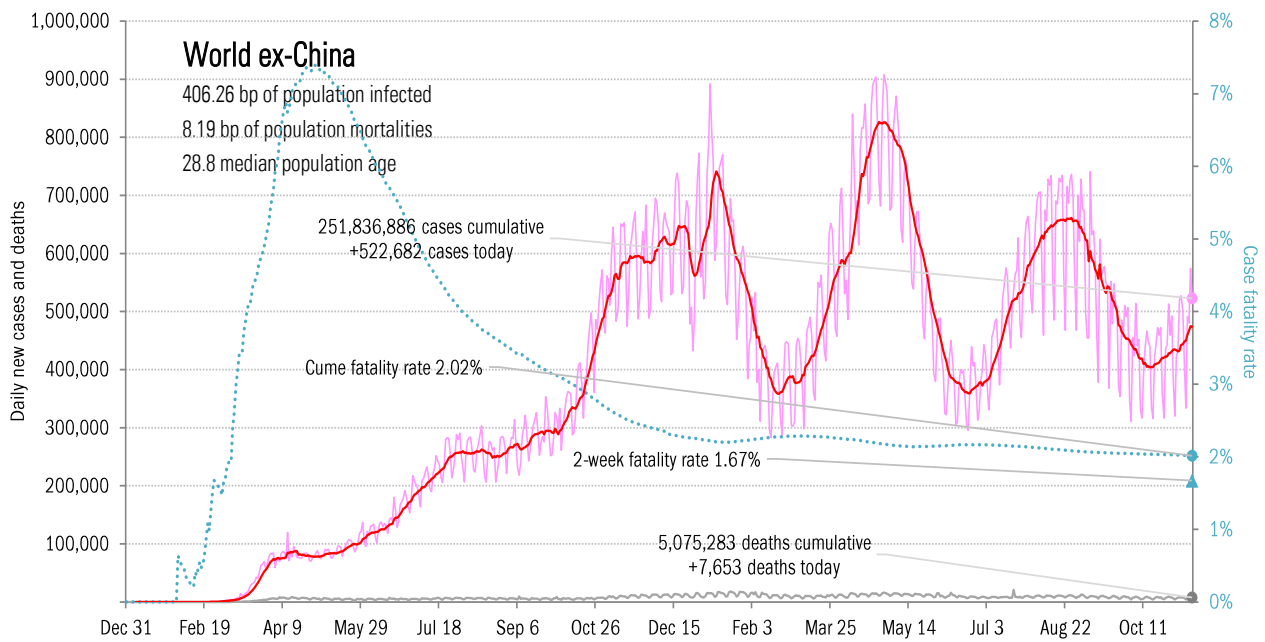
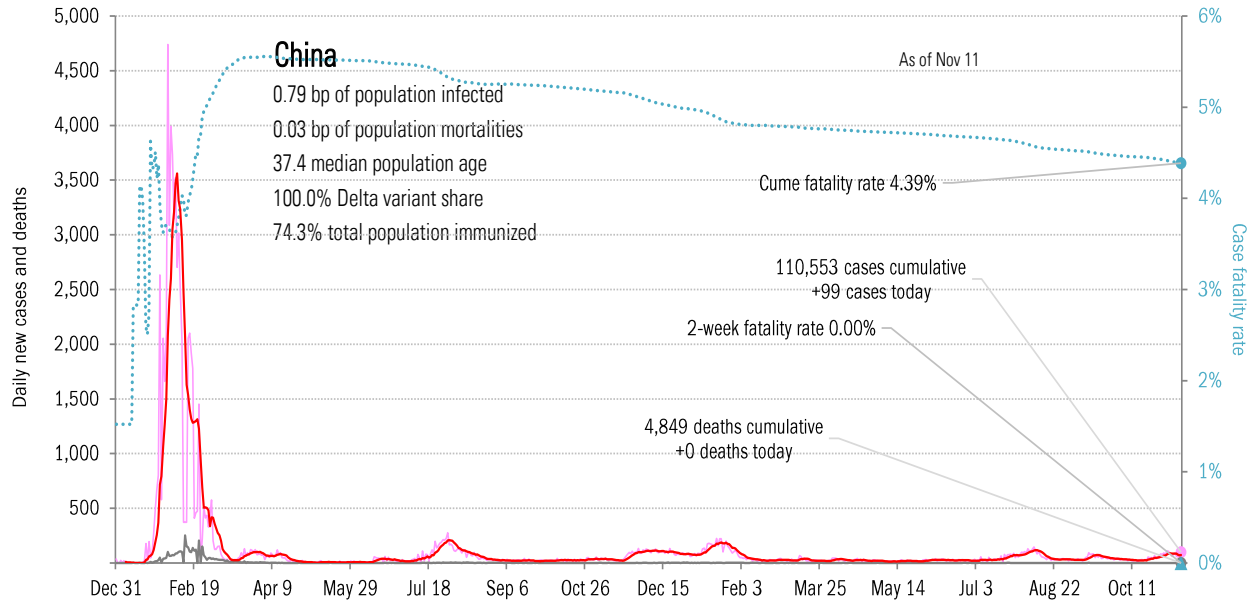
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

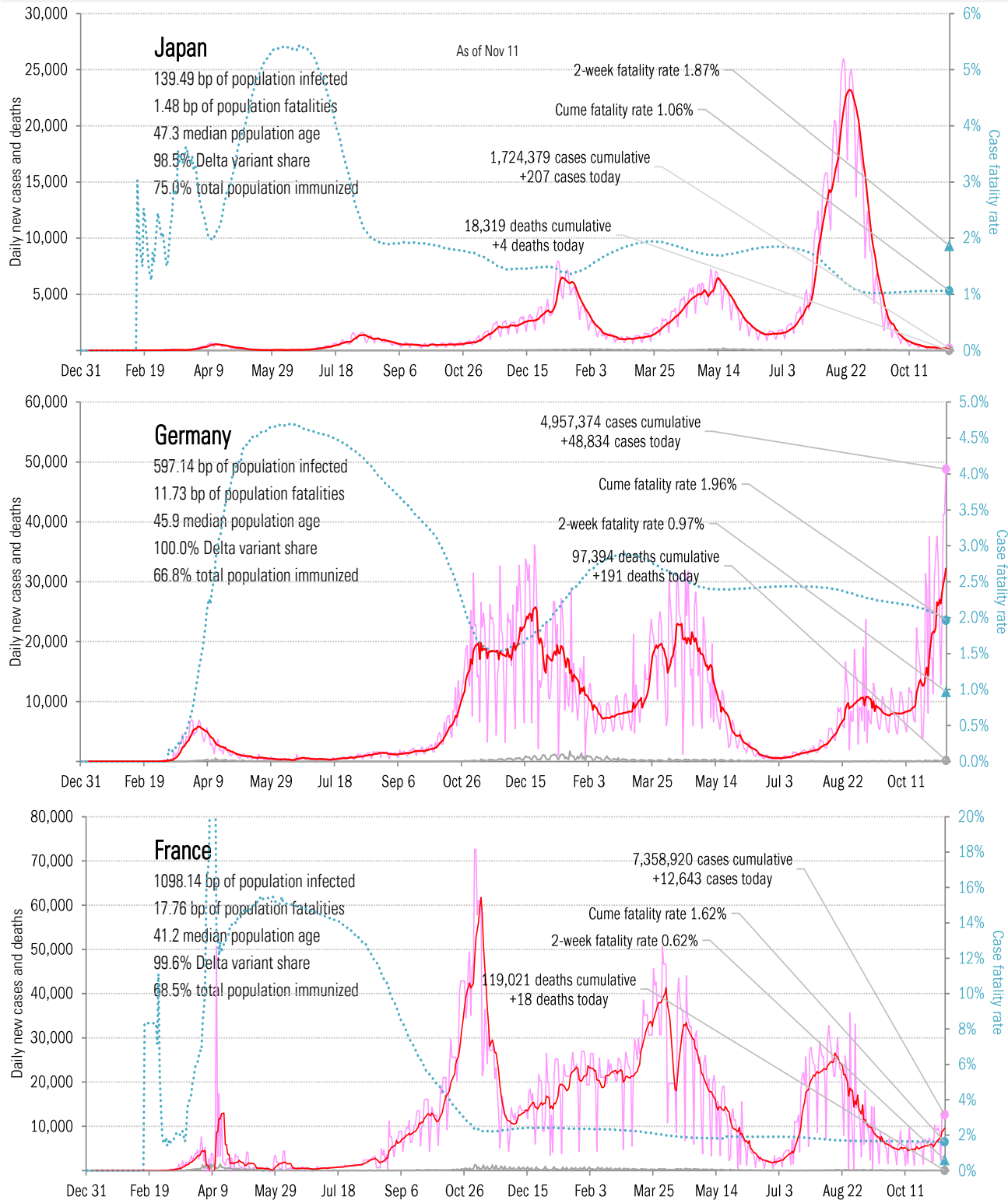
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

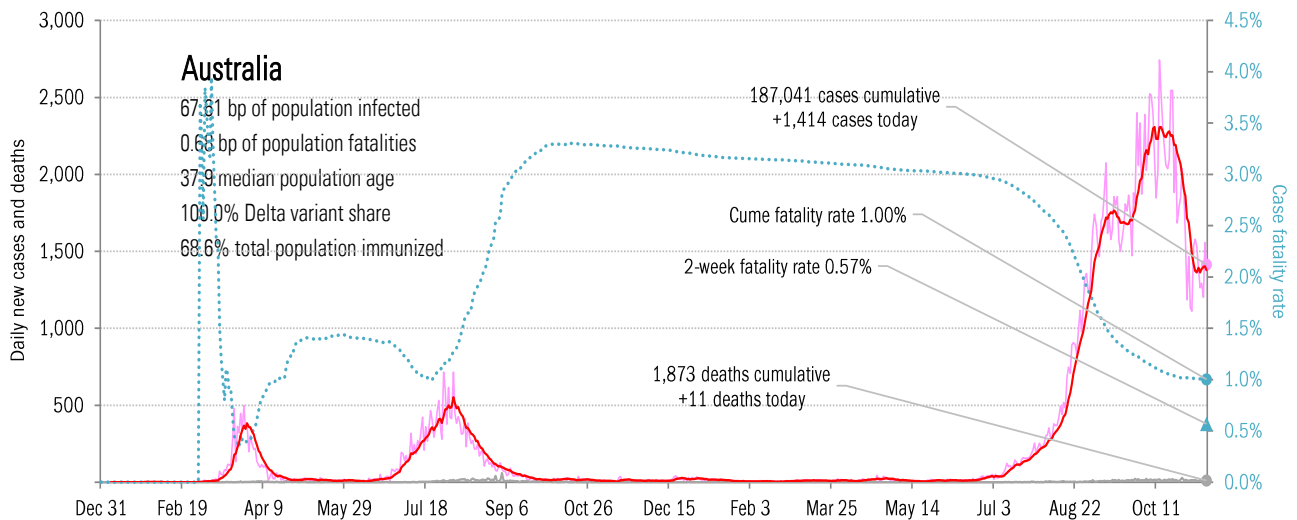
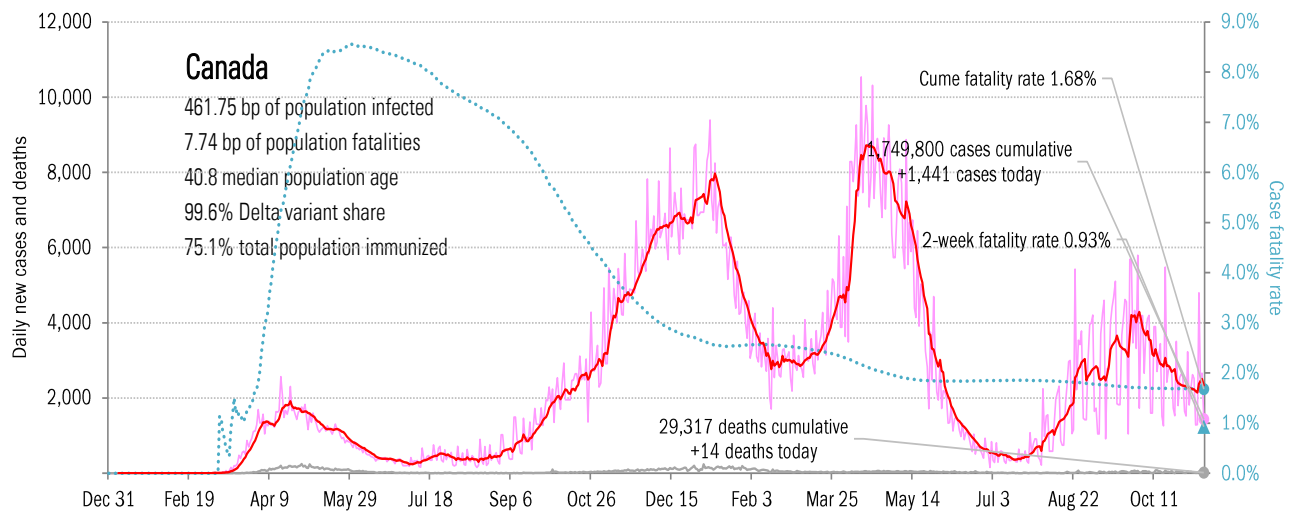
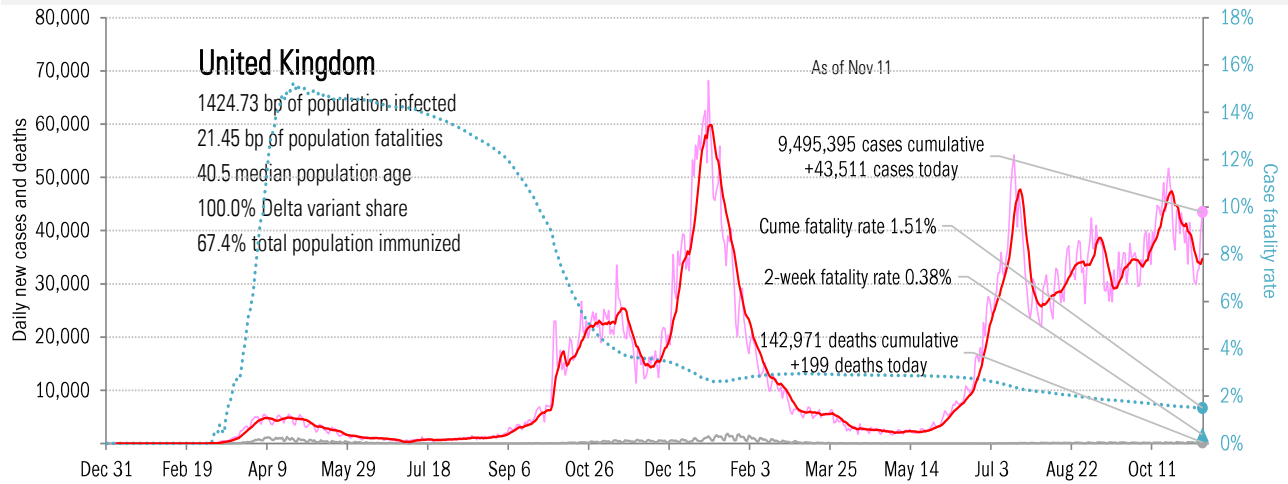
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

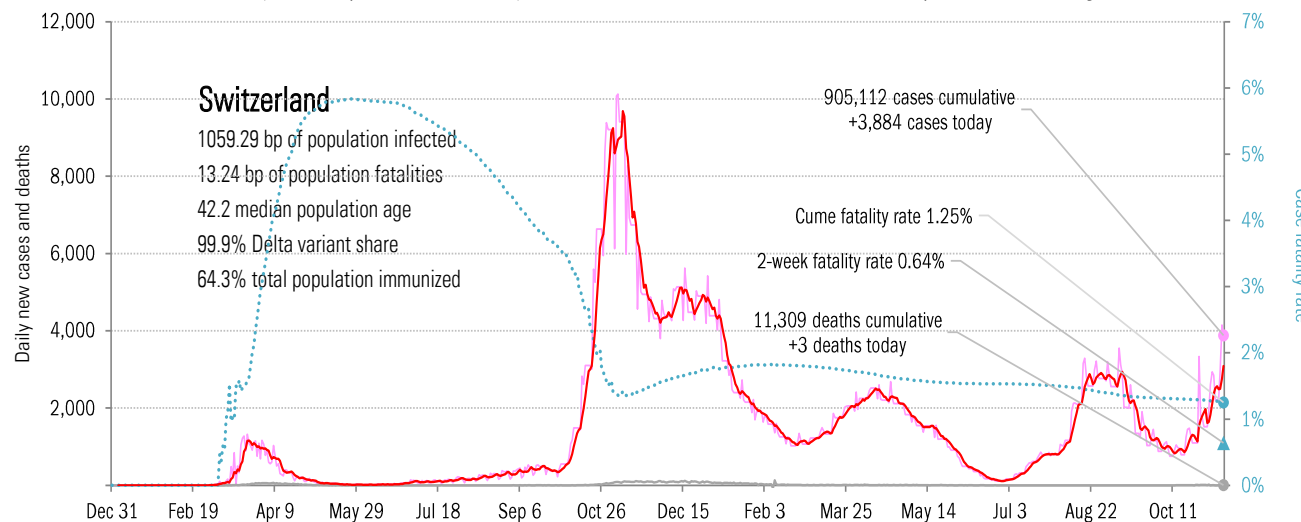
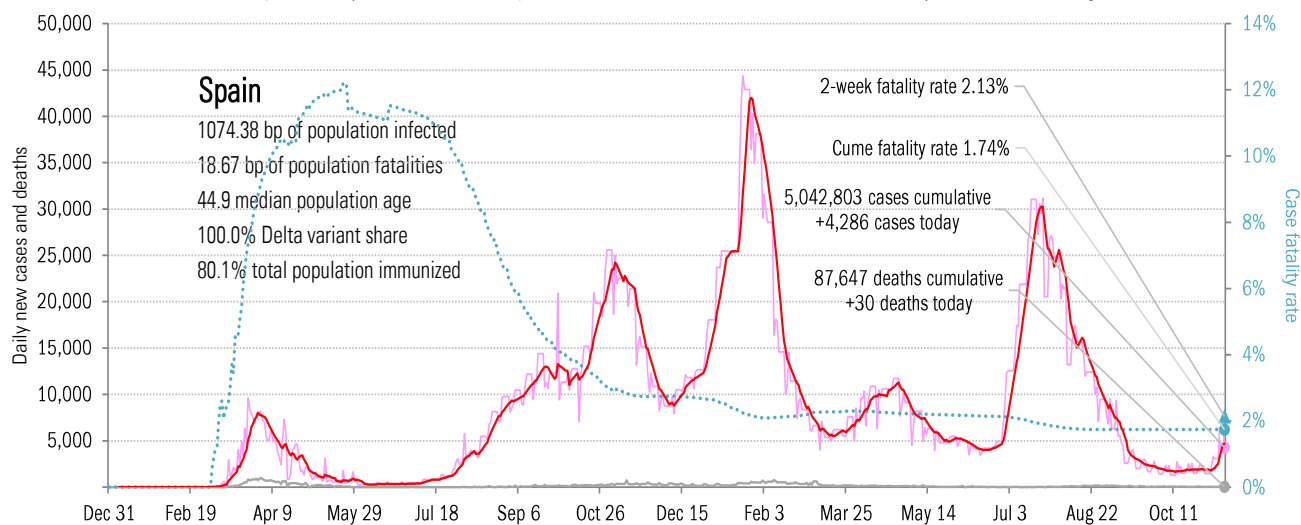
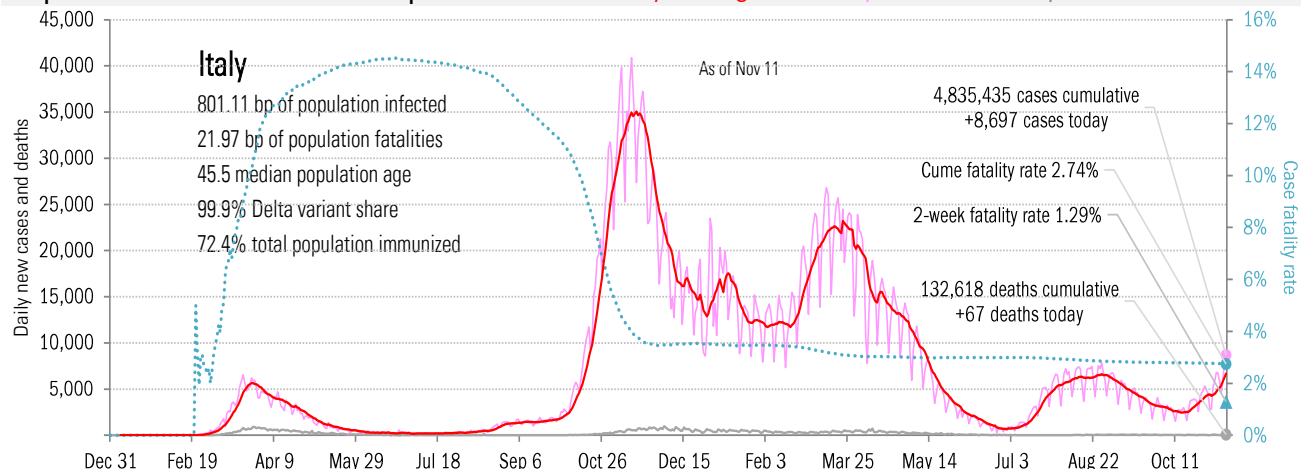


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

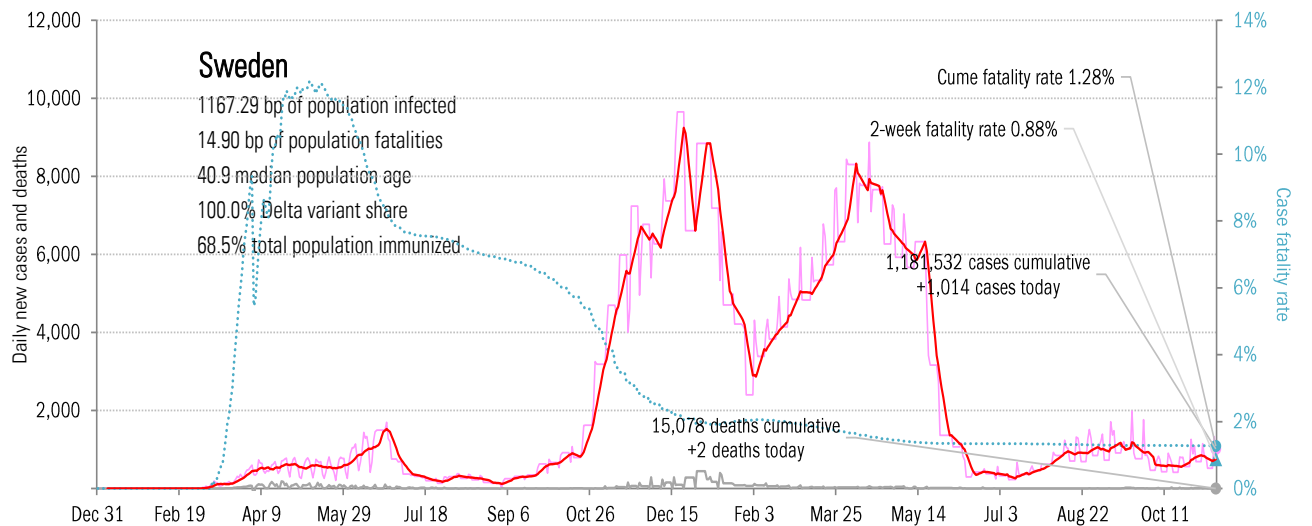
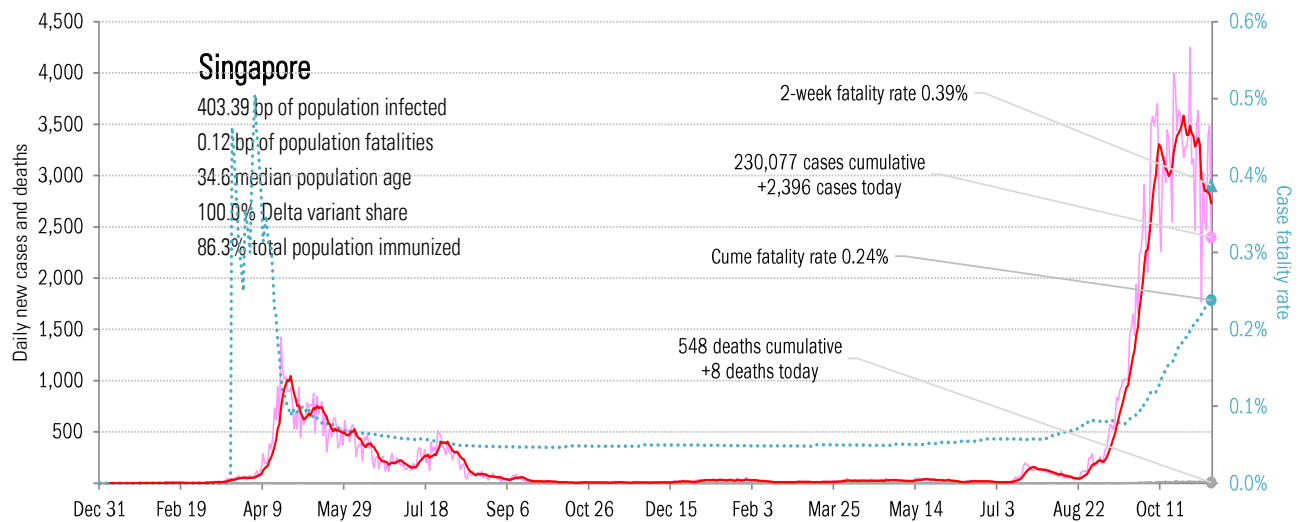
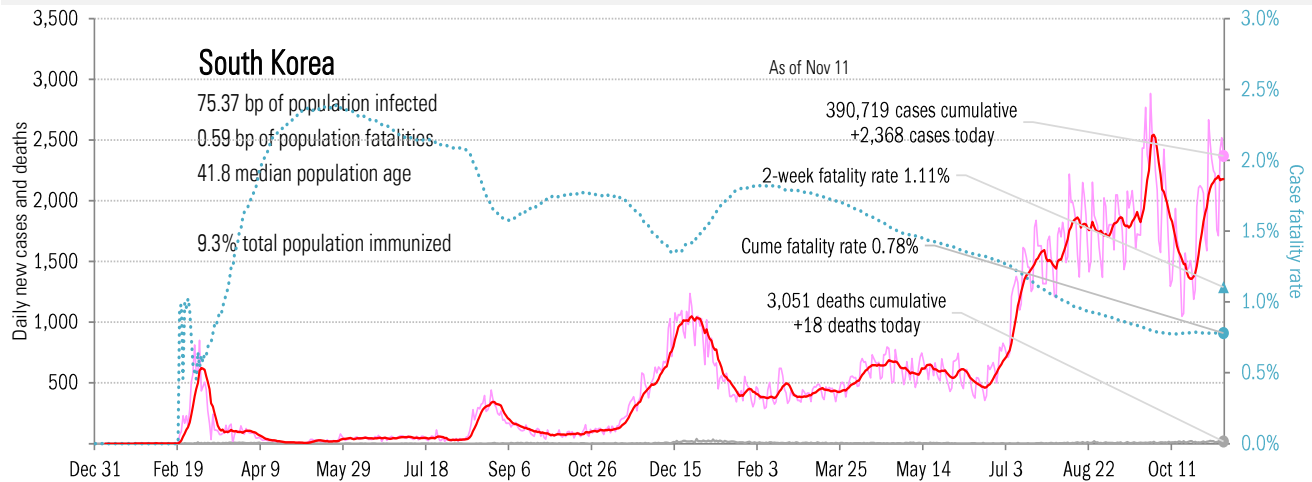
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

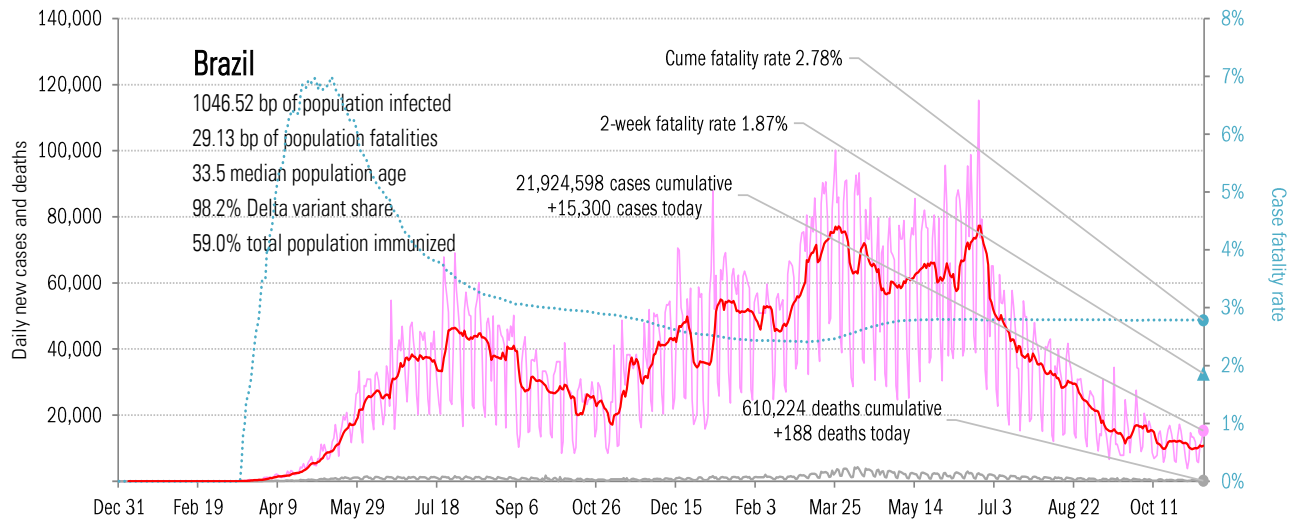
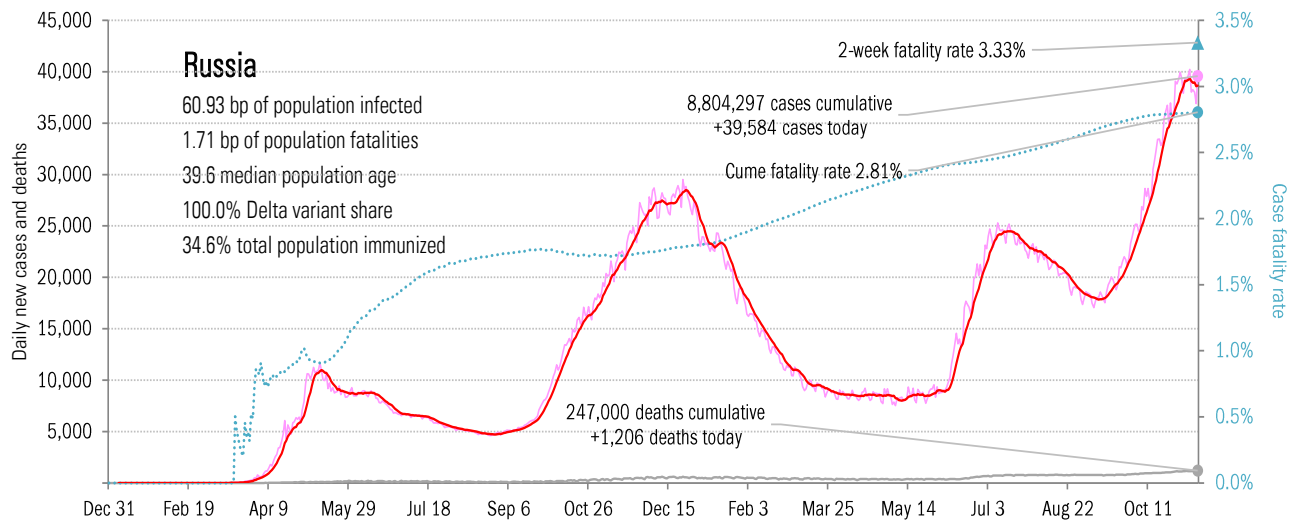
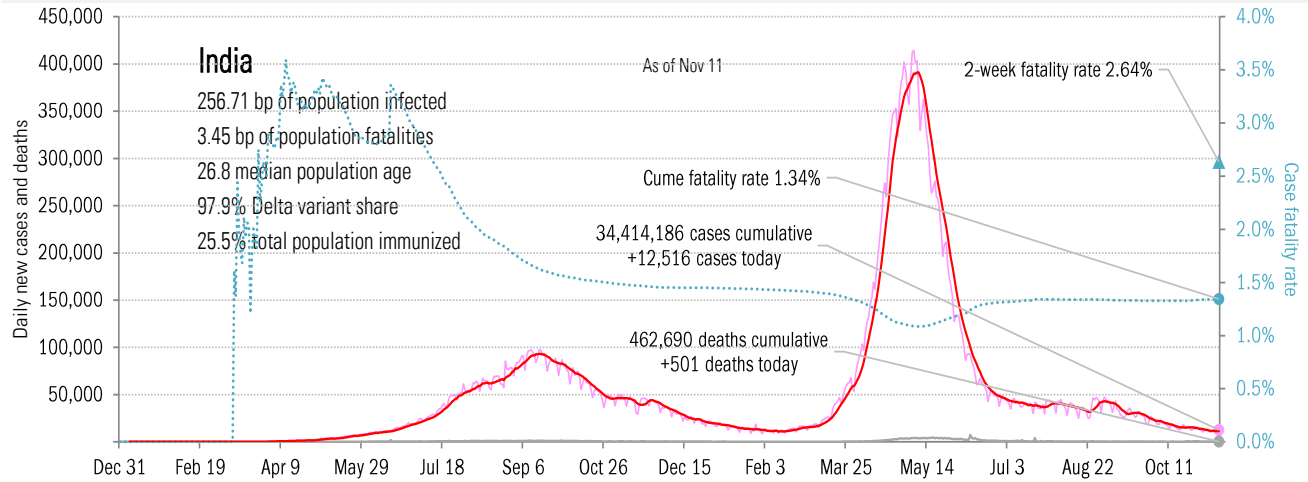
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

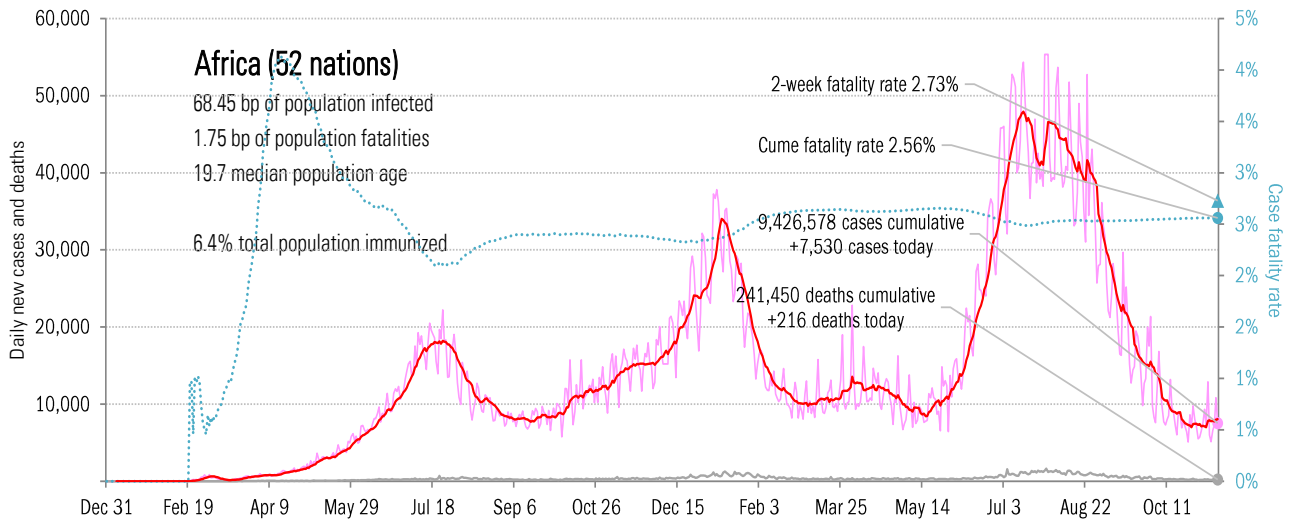
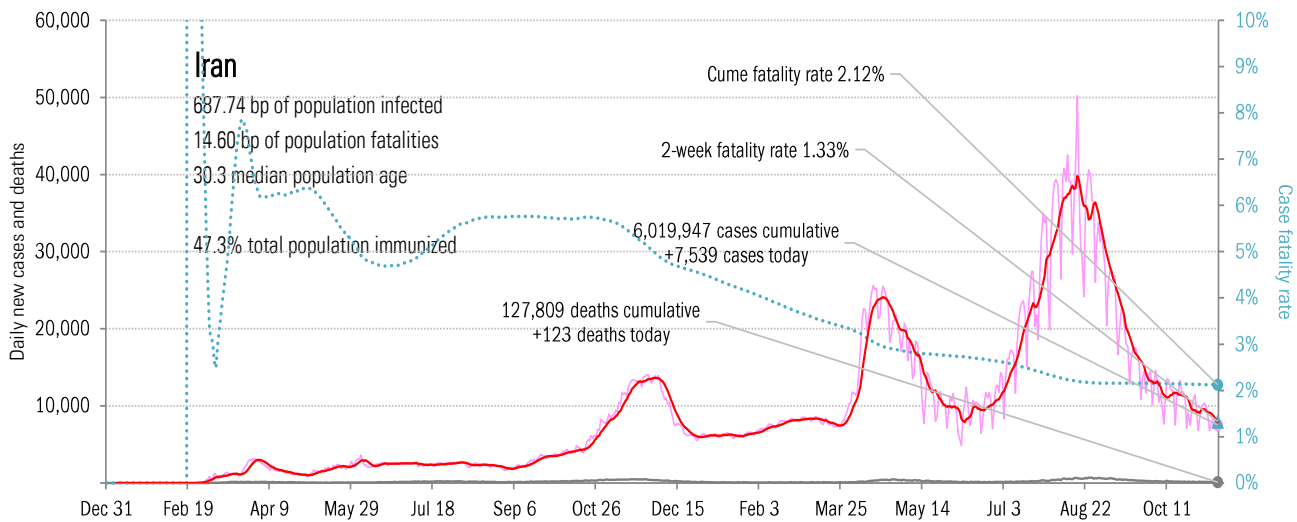
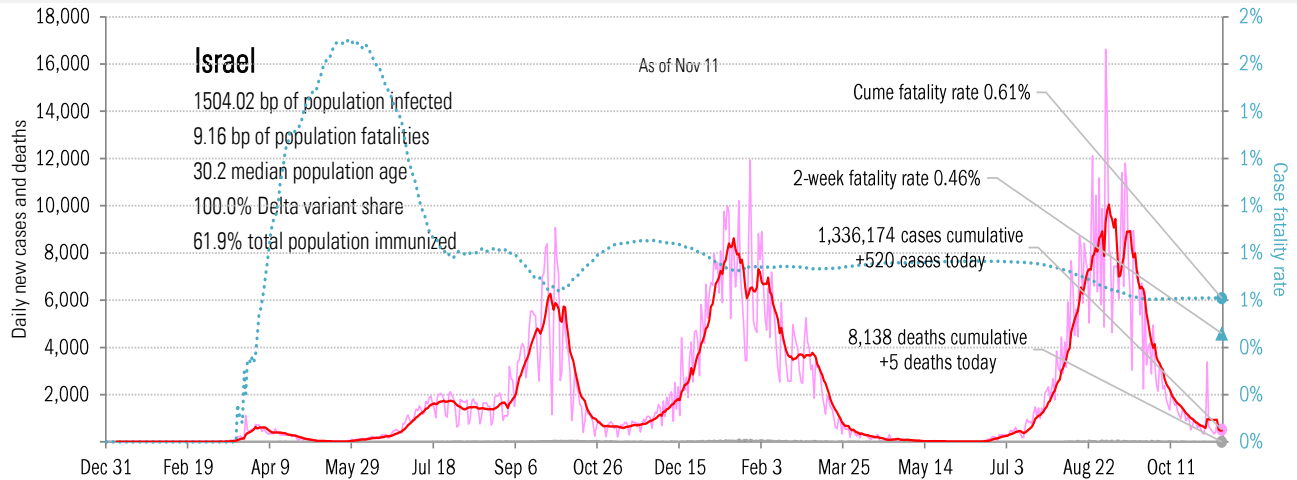
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

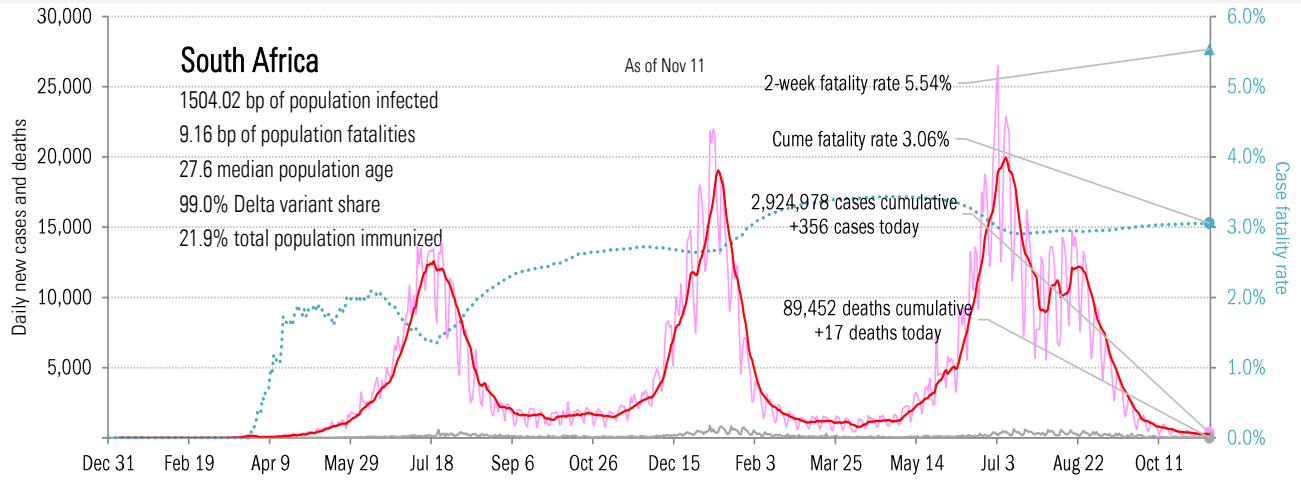
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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