

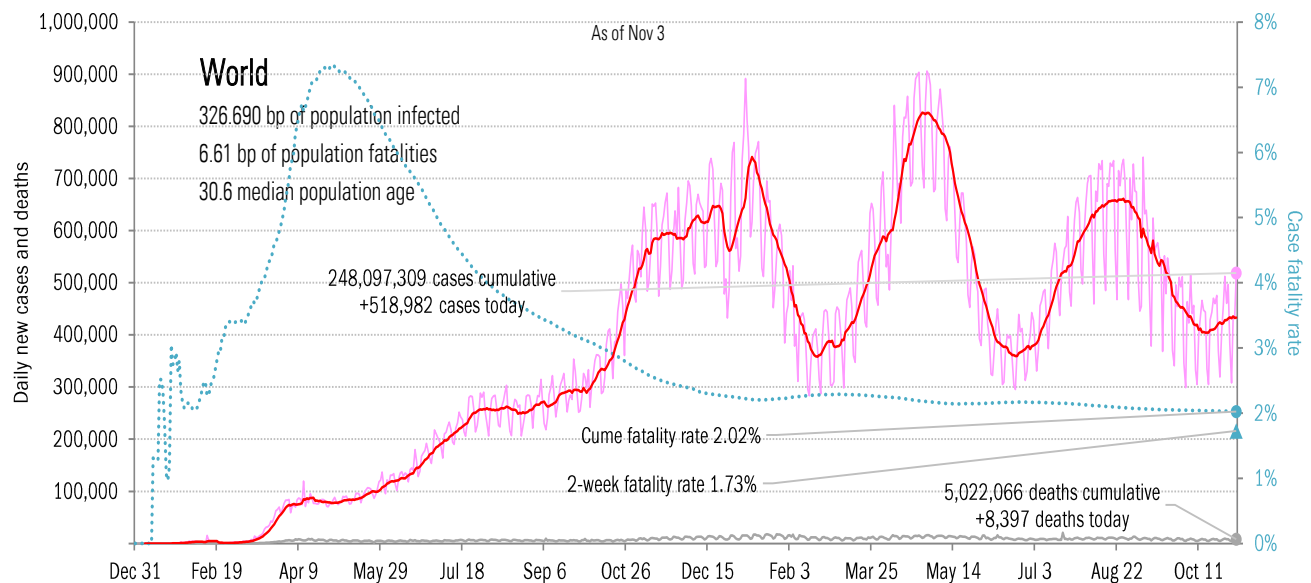
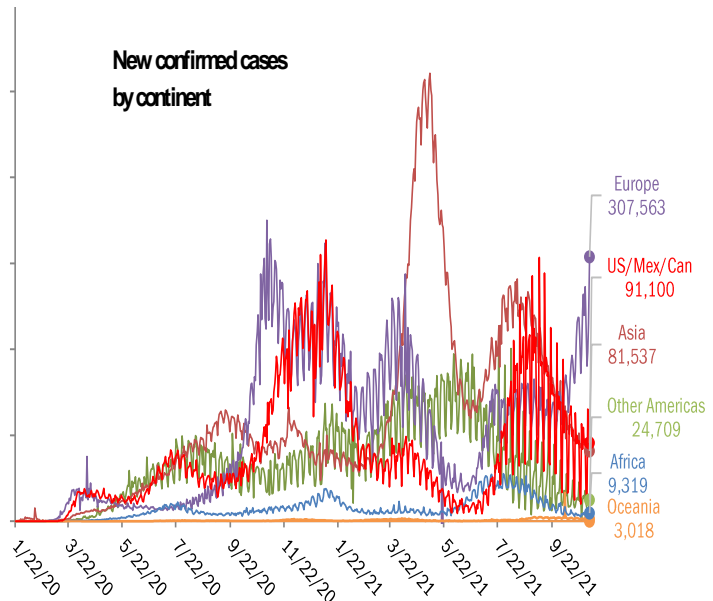
Data Insights: Covid-2019 Monitor

Thursday, November 4, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+85,237	United States	+2,010
United Kingdom	+41,530	Russia	+1,157
Russia	+39,357	Ukraine	+752
Germany	+34,498	India	+461
Belgium	+32,708	Romania	+451
Turkey	+29,764	Mexico	+269
Ukraine	+24,479	Turkey	+246
Brazil	+14,661	United Kingdom	+217
India	+12,885	Philippines	+182
Poland	+10,434	Germany	+165
+325,553		+5,910	
World +518,982		World +8,397	
Top ten 63%		Top ten 70%	



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

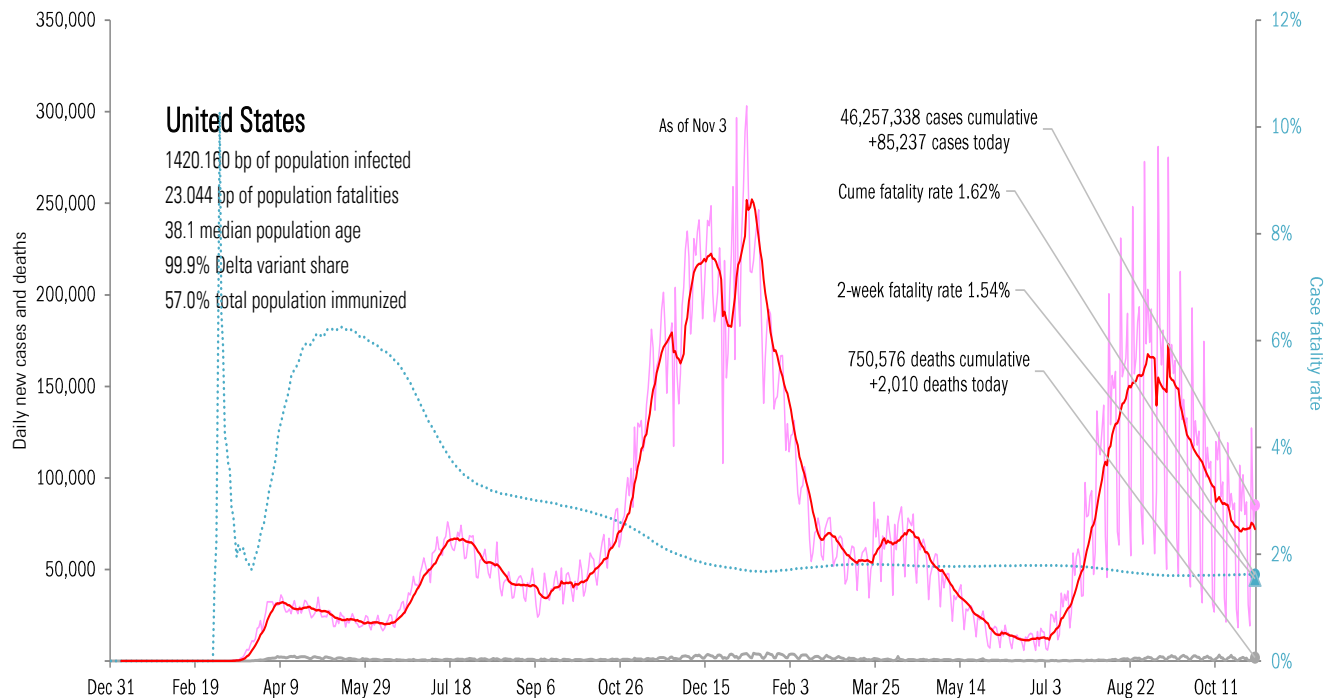
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
MI	+11,978		PA	+181		GA	+53		CA	4,940,995		CA	72,281		TX	375,428		RI	87%	ID	89%
CA	+4,529		CK	+169		CO	+30		TX	4,251,257		TX	71,537		FL	318,847		MA	85%	TX	87%
CH	+4,503		TX	+157		AZ	+27		FL	3,695,637		FL	59,823		CA	311,050		PA	84%	NM	87%
PA	+4,365		MI	+149		MI	+26		NY	2,571,761		NY	56,579		NY	164,300		WA	84%	KY	86%
TX	+4,048		AZ	+117		IN	+21		IL	1,705,777		PA	31,711		GA	159,909		GA	83%	AL	86%
NY	+4,014		FL	+105		VI	+21		GA	1,638,606		GA	29,310		CH	124,040		MD	83%	RI	85%
AZ	+3,415		IA	+104		UT	+19		PA	1,575,184		IL	28,331		PA	117,296		MI	83%	CO	84%
MN	+2,941		CA	+93		MN	+18		CH	1,556,208		NJ	28,011		KY	111,434		MN	82%	GA	84%
CO	+2,747		GA	+73		NV	+18		NC	1,485,455		CH	24,763		IL	105,044		CT	81%	PA	83%
WI	+2,421		CR	+64		MO	+15		MI	1,297,496		MI	23,879		MI	92,005		WV	81%	DE	83%
+44,961			+1,212			+248			24,718,376			426,225			1,879,353						
All states	+85,237		+2,010			-131		All states	46,257,338		750,576			3,360,250			All states	70%		67%	
Top ten	53%		60%			-189%		Top ten	53%		57%			56%			Median	76%		78%	

Some states not reporting

Five most improved US states

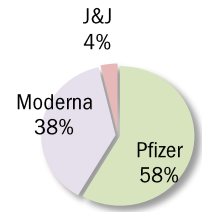
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MN	-4,090	CH	-236	MT	-82	GA	+20 bp
TN	-2,322	MO	-115	WA	-61	MS	+20 bp
PA	-1,515	MS	-26	CA	-39	AL	+10 bp
FL	-1,354	CO	-18	KS	-30	AZ	+10 bp
TX	-1,005	TN	-18	FL	-25	CA	+10 bp



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	437,130,874		+1.358 million		US	57.0%	66.1%	
Boosters	20,947,560		+0.840 million		UK	67.1%	73.4%	
	One dose	% Pop	Immune	% pop	New immune today	France	68.1%	75.9%
Total population	227,943,764	68%	197,938,581	59%	+0.207 million	Spain	79.9%	81.4%
Age 12 to 17	14,216,653	60%	11,939,050	50%	+0.020 million	Germany	66.2%	68.9%
Age 18 to 64	157,431,150	77%	136,710,233	67%	+0.154 million	Italy	71.7%	77.3%
Age 65 and over	55,181,338	101%	48,366,409	88%	+0.032 million	Australia	65.6%	74.4%



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

Every American >18 immunized in **46 days** by Dec 19, 2021
 71.7% of population >18 immunized
 16.5% previously tested positive
88.1% vs 60% adult herd immunity

Israel	65.3%	71.0%
Canada	74.5%	78.5%
Japan	73.2%	78.1%
Africa	6.0%	9.0%
India	24.2%	53.0%
Brazil	56.4%	74.4%
China	74.1%	76.2%

Global data differs due to sources, timing

AK
59.6%
52.8%

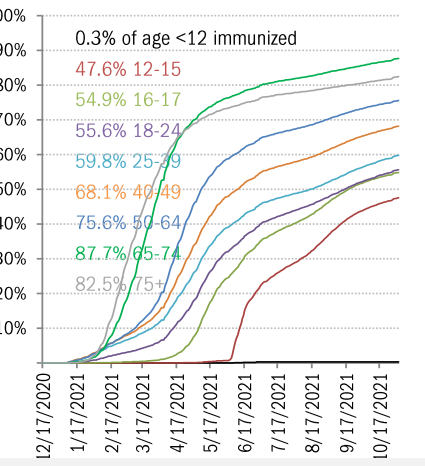
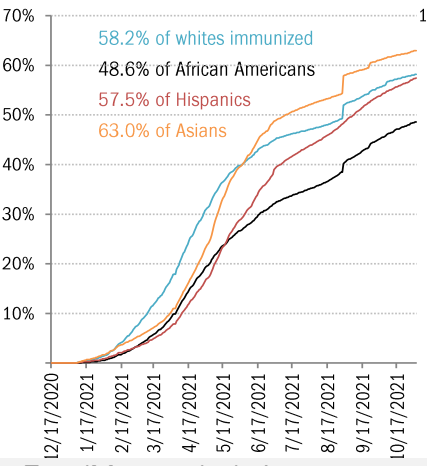
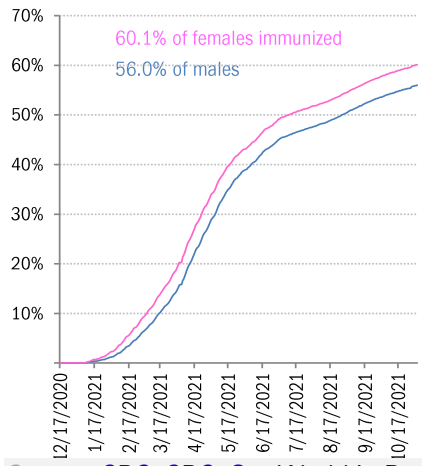
WI
62.8%
58.4%

As of Nov 3

ME
77.1%
70.8%

WA: 69.7%, 63.7%	ID: 49.3%, 44.0%	MT: 57.1%, 50.6%	ND: 53.5%, 46.1%	MN: 65.3%, 60.0%	IL: 65.9%, 60.6%	MI: 58.4%, 53.6%	NY: 74.6%, 66.9%	VT: 80.0%, 71.4%	NH: 77.6%, 63.0%	
OR: 68.6%, 63.0%	NV: 63.6%, 53.1%	WY: 51.2%, 44.2%	SD: 62.4%, 52.8%	IA: 59.8%, 55.7%	IN: 53.9%, 49.9%	OH: 56.0%, 52.0%	PA: 78.7%, 60.7%	NJ: 75.4%, 66.5%	MA: 80.5%, 69.8%	
CA: 74.8%, 61.5%	UT: 61.4%, 53.8%	CO: 67.9%, 61.8%	NE: 61.2%, 56.4%	MO: 57.0%, 49.9%	KY: 57.6%, 50.9%	WV: 49.1%, 41.1%	VA: 71.4%, 63.3%	MD: 72.9%, 66.0%	CT: 79.4%, 70.9%	RI: 78.5%, 71.1%
AZ: 61.4%, 53.3%	NM: 72.4%, 62.3%	KS: 62.8%, 53.4%	AR: 58.2%, 48.1%	TN: 54.7%, 47.8%	NC: 64.9%, 52.8%	SC: 57.8%, 50.1%	DC: 75.2%, 62.7%	DE: 69.5%, 60.1%		
OK: 59.7%, 50.2%	LA: 54.0%, 47.8%	MS: 52.3%, 45.9%	AL: 54.7%, 44.9%	GA: 57.1%, 48.4%						
TX: 61.6%, 53.5%							FL: 69.3%, 59.9%		PR: 82.3%, 73.7%	

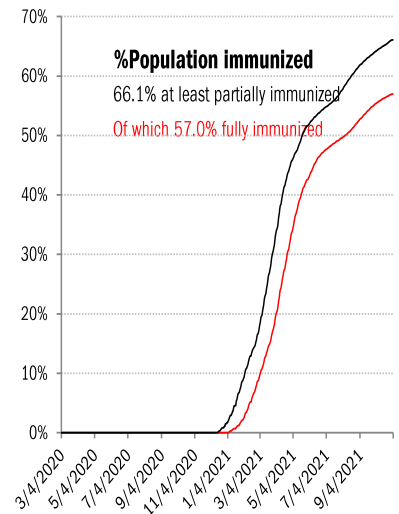
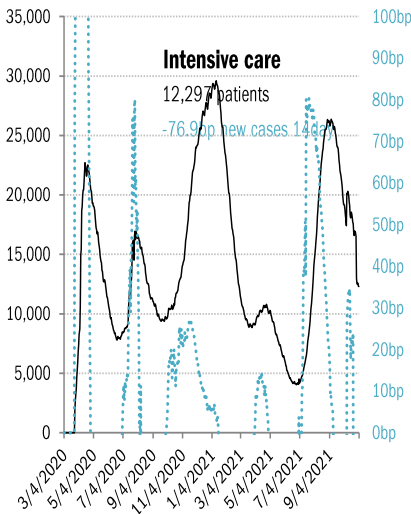
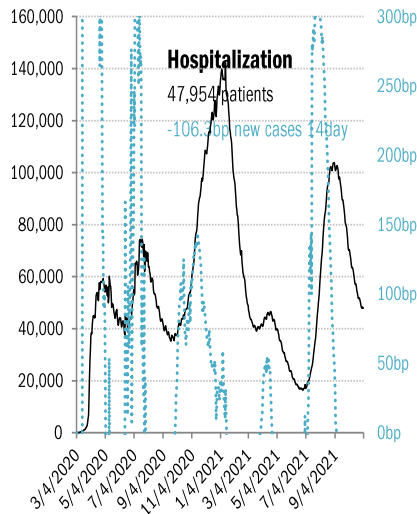
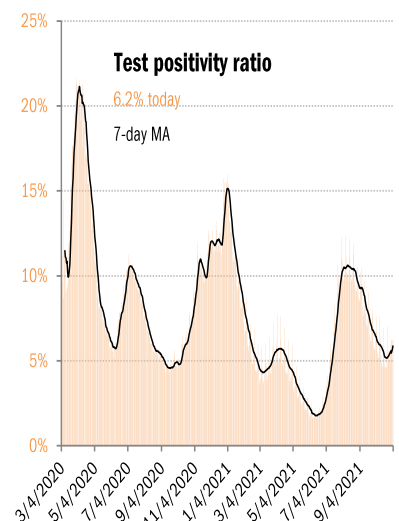
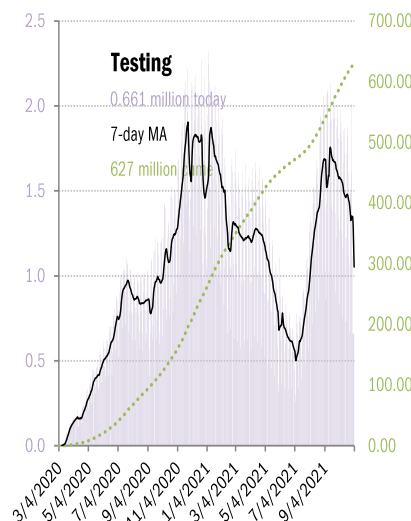
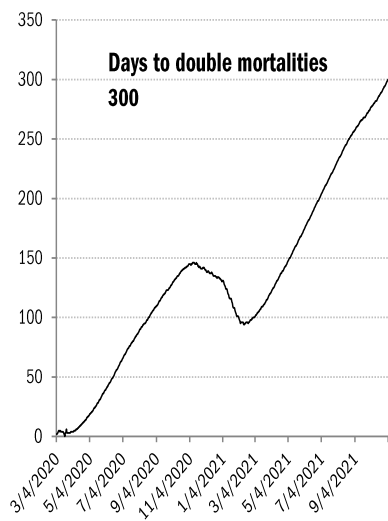
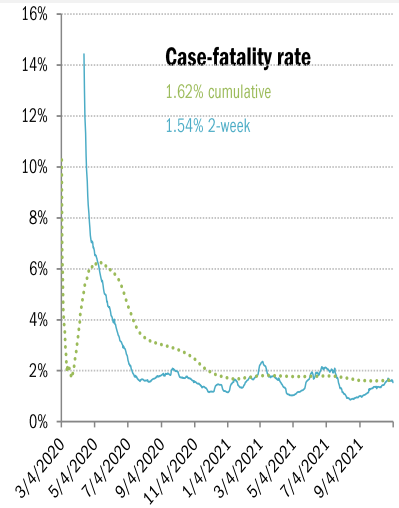
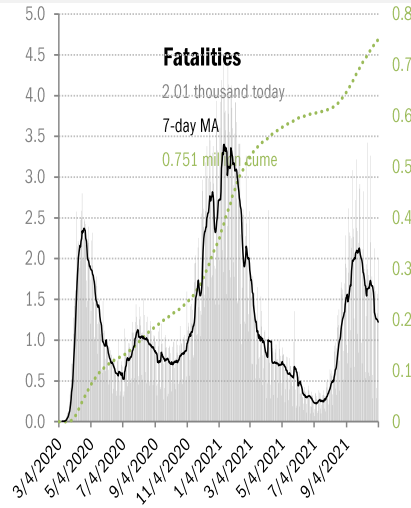
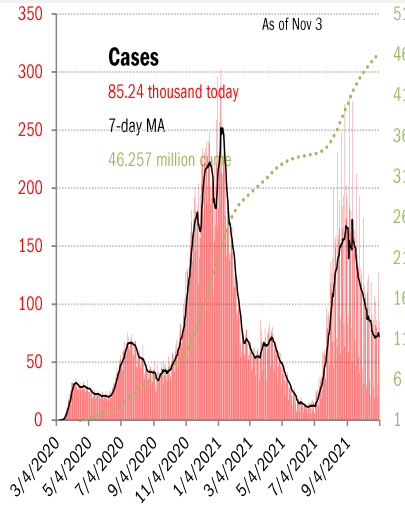
The demographics of US vaccination



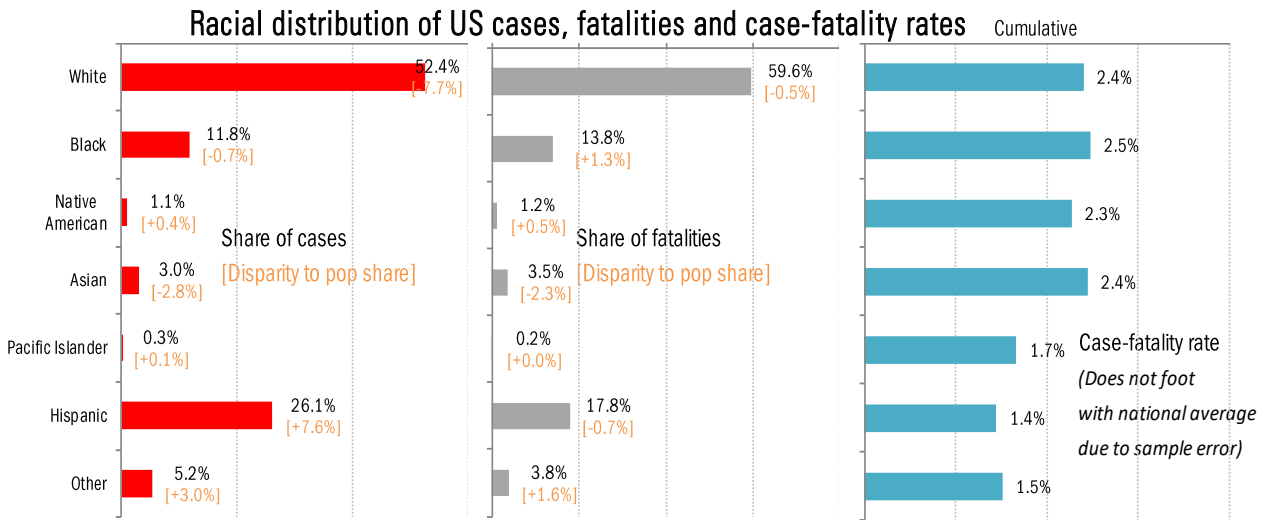
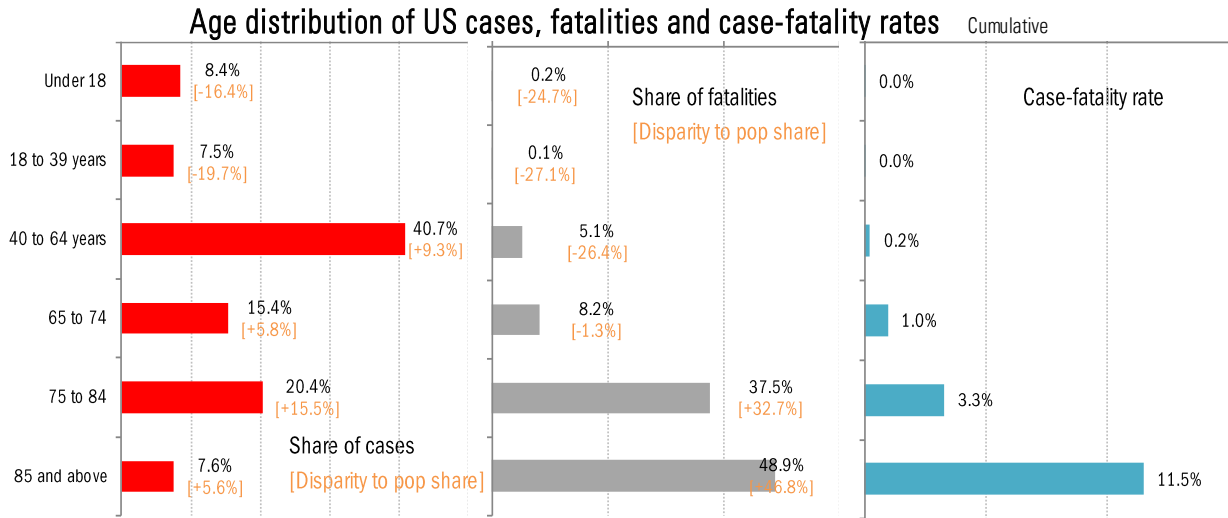
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

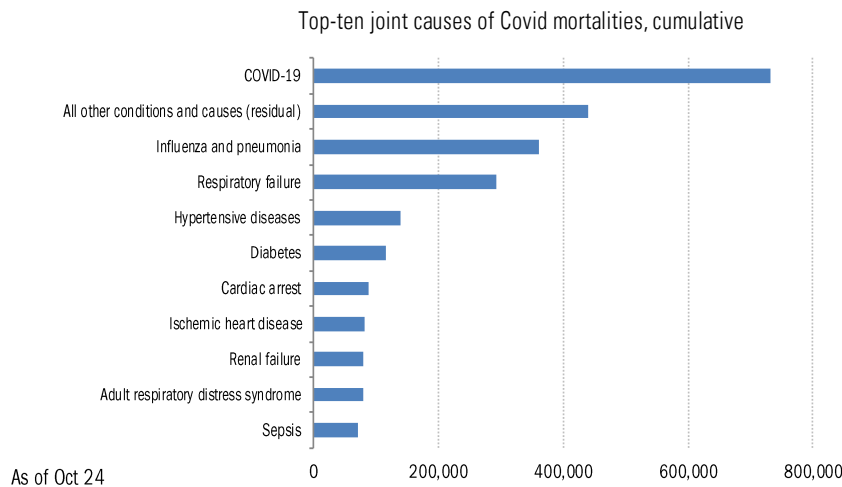
National and state-by-state data do not line up because of different sources



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

[Did Covid Change How We Dream?](#)

Brooke Jarvis
New York Times
November 3, 2021

[Illinois remains only midwestern state with covid mask mandate](#)

Illinois Review
November 3, 2021

[From Boeing to Mercedes, a U.S. worker rebellion swells over vaccine mandates](#)

Tina Bellon and Eric M. Johnson
Reuters
November 2, 2021

[Over 20 Fauci-Funded Researchers Have Served At the Chinese Communist-Run Wuhan Lab.](#)

Natalie Winters
National Pulse
November 2, 2021

[Whistleblower Exposes Pfizer for 'Falsifying Data' in Covid Vaccine Trials Used to Justify Mandates](#)

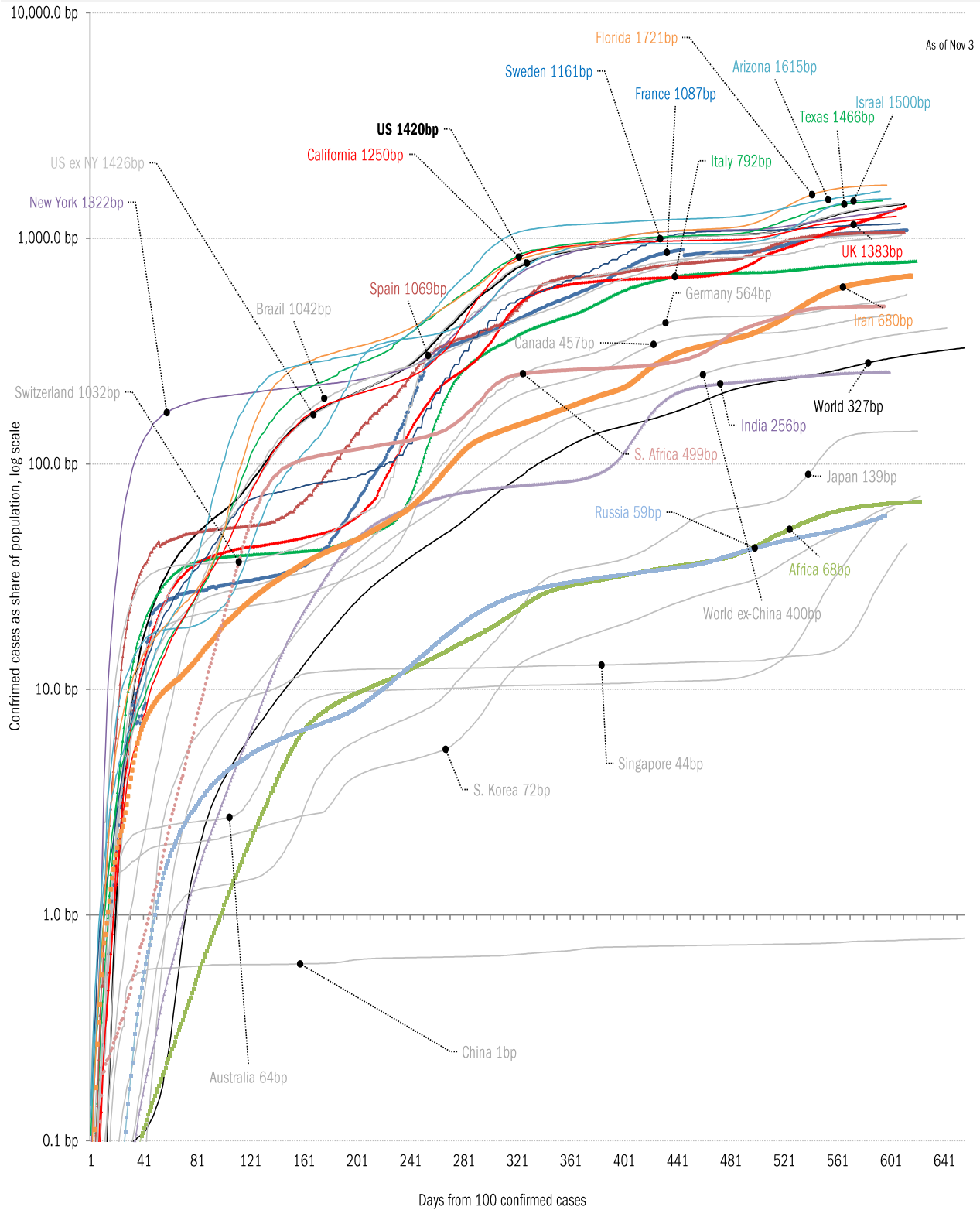
Kyle Becker
Becker News
November 2, 2021

Meme of the day



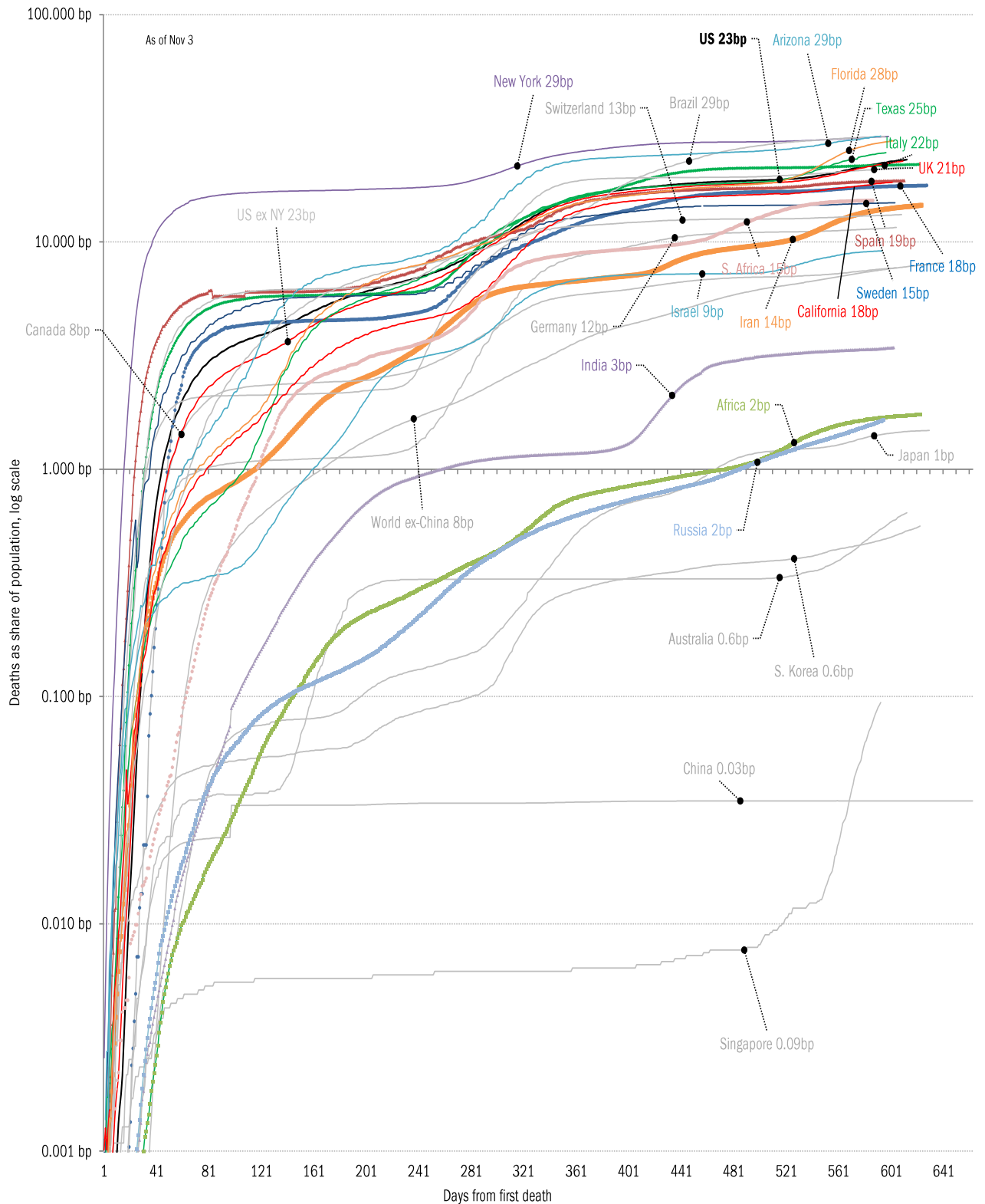
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

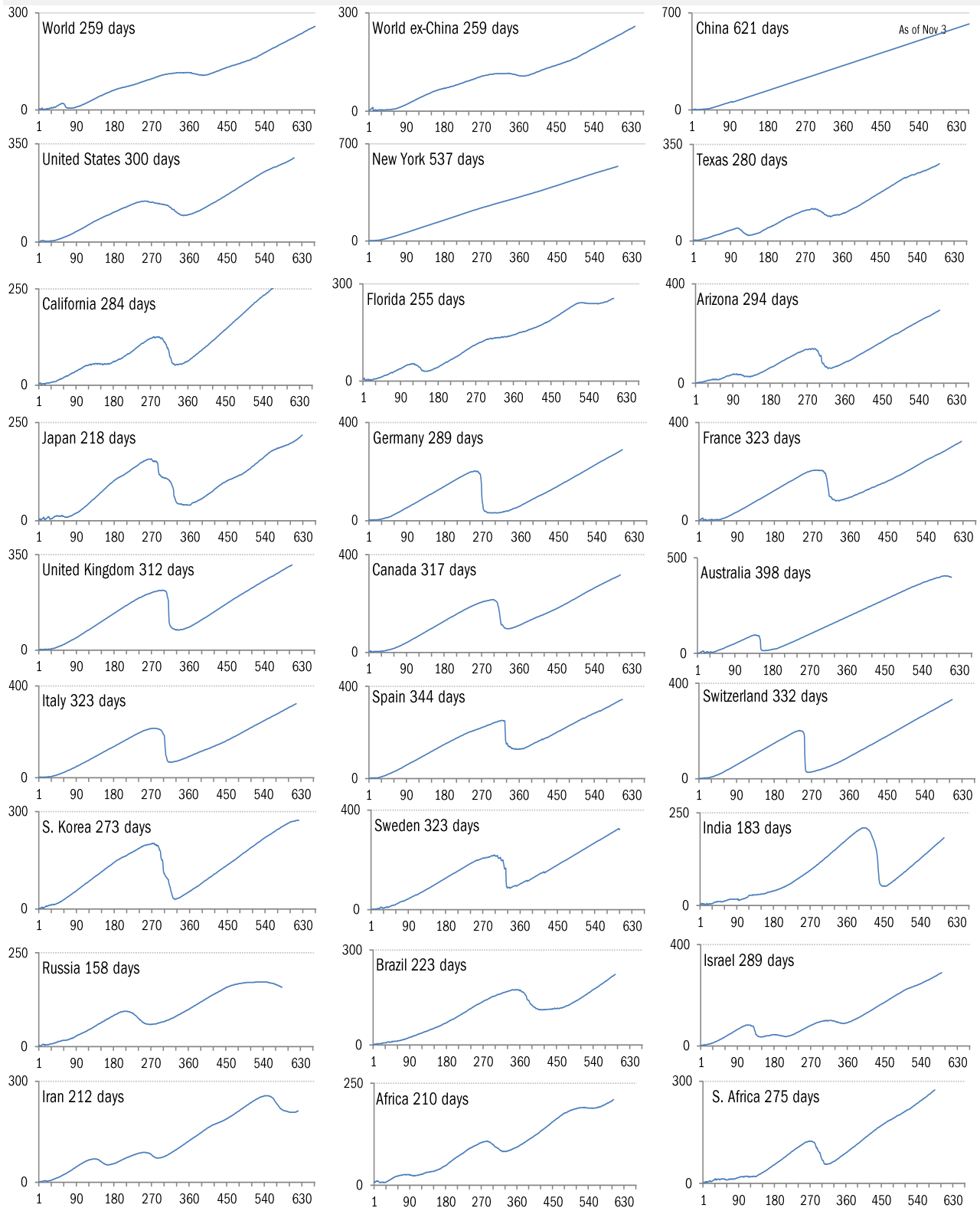


Source: [Johns Hopkins](#), TrendMacro calculations

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

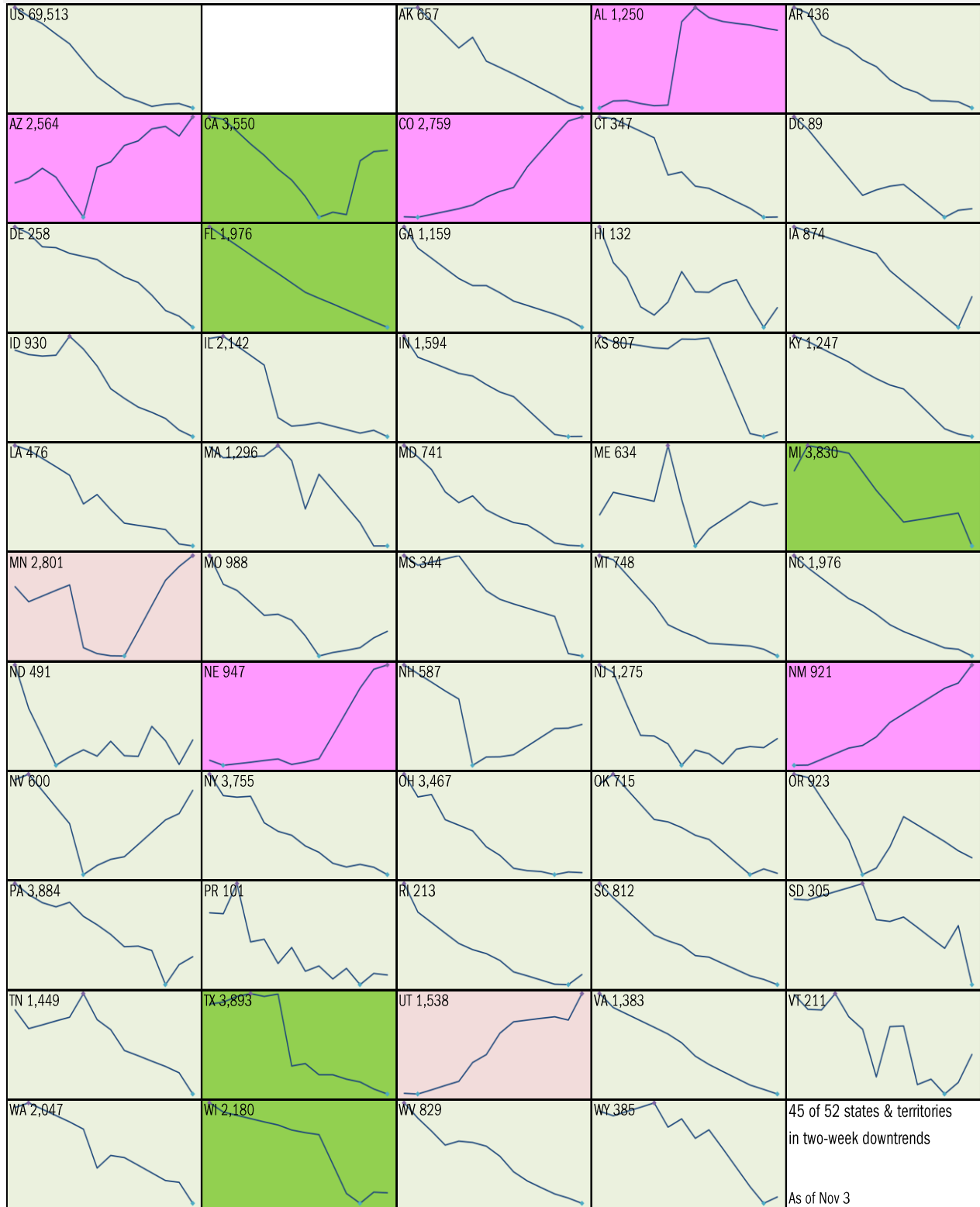
Vertical: days to double deaths Horizontal: days from first death

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

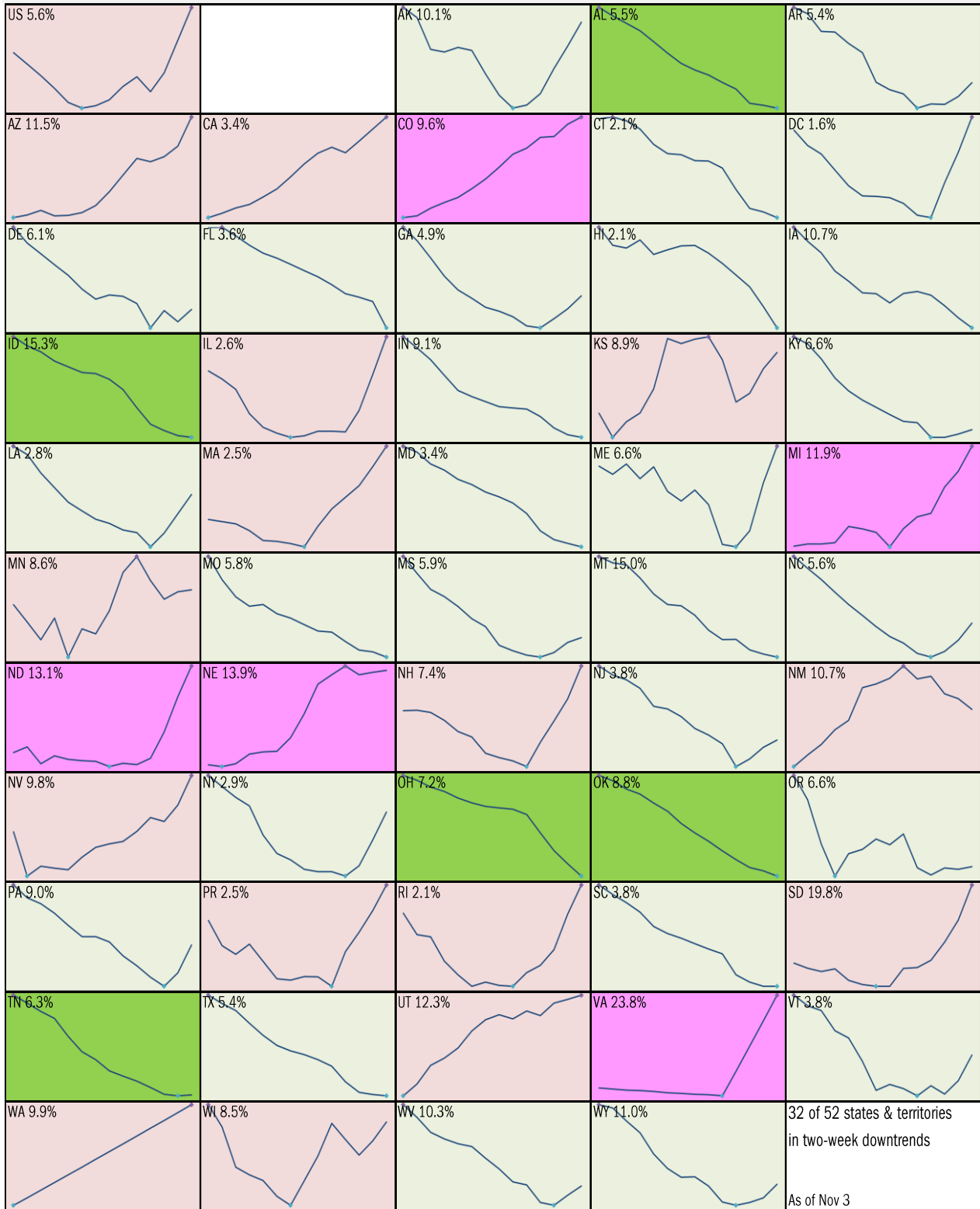


Source: [Johns Hopkins](#), TrendMacro calculations

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

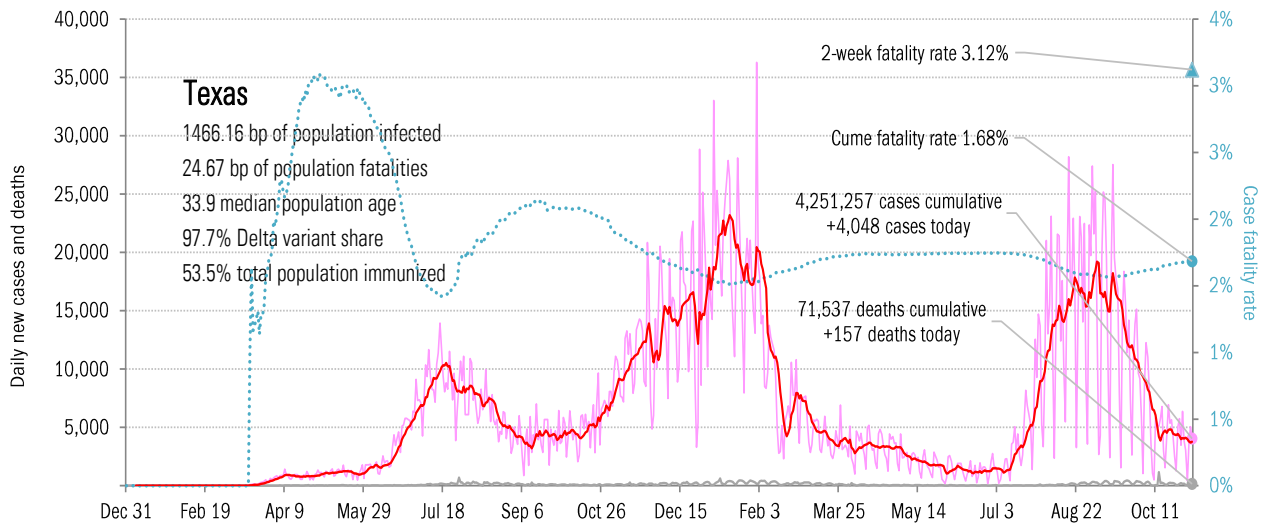
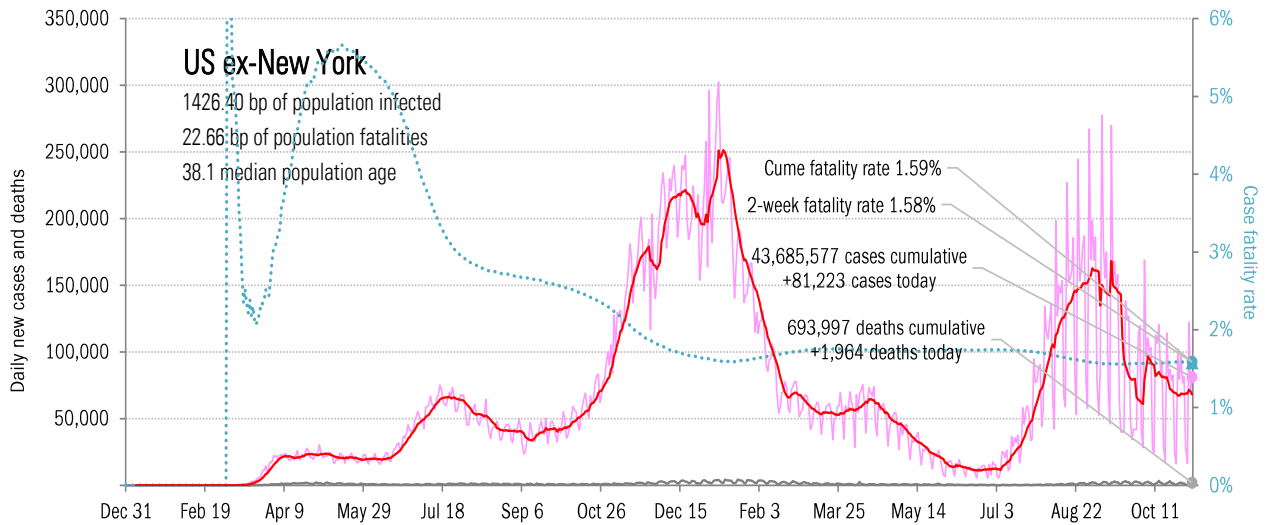
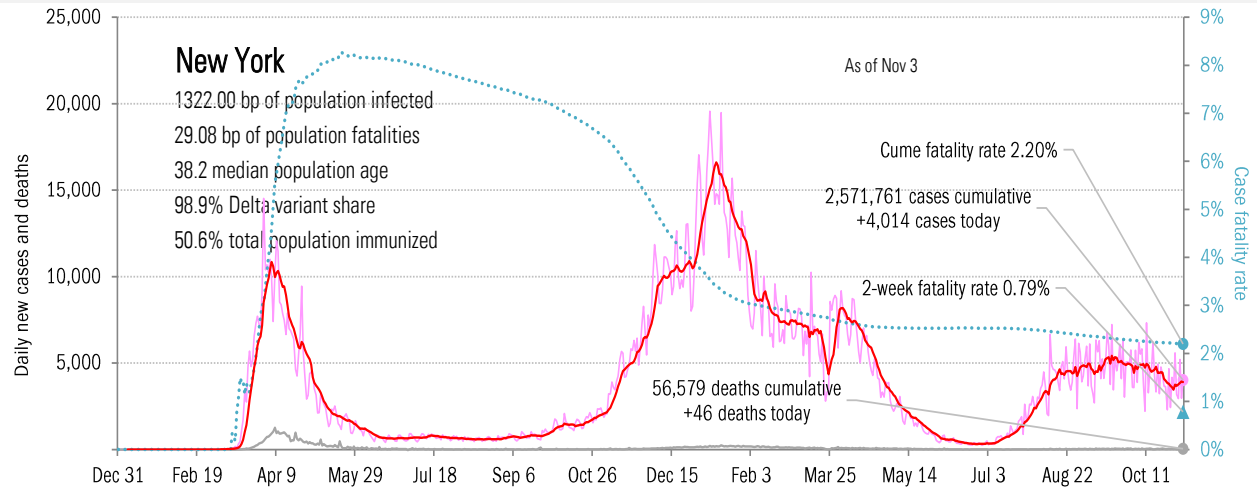


As of Nov 3

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

From Ground Zero to the Rio Grande

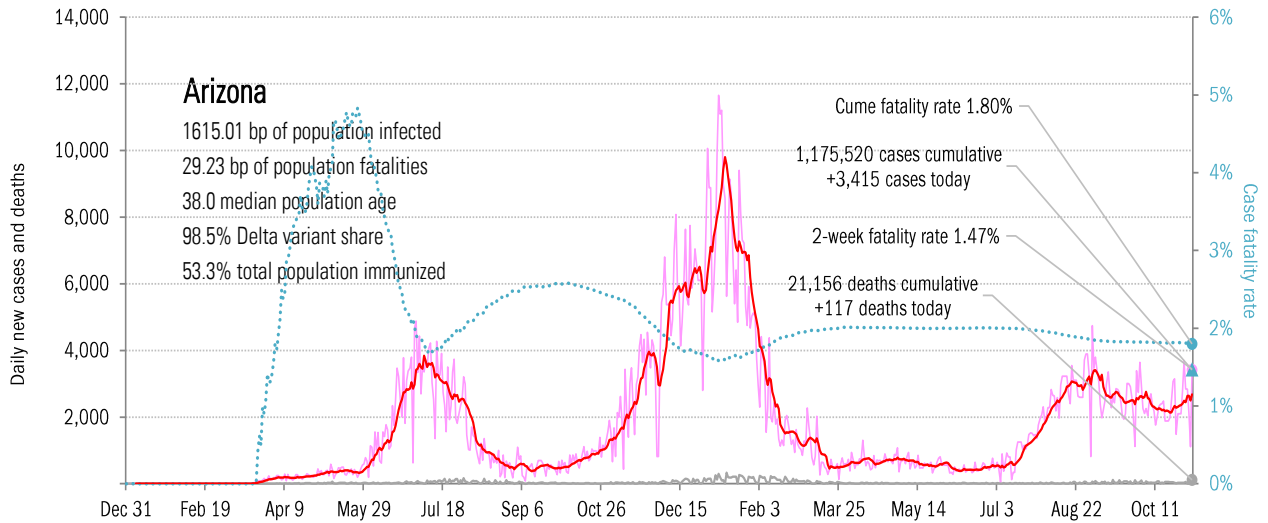
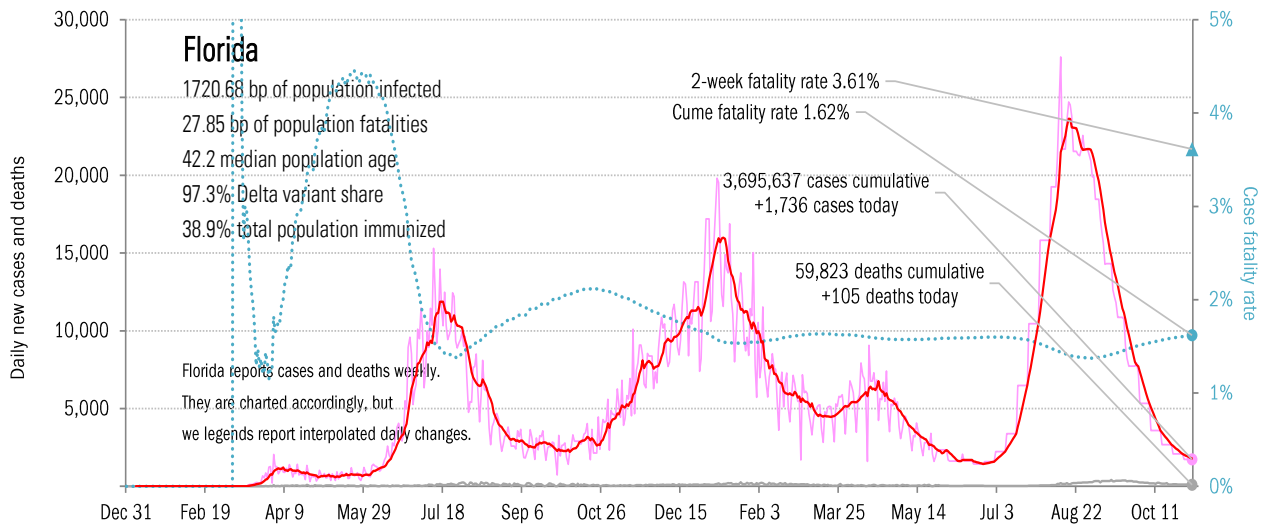
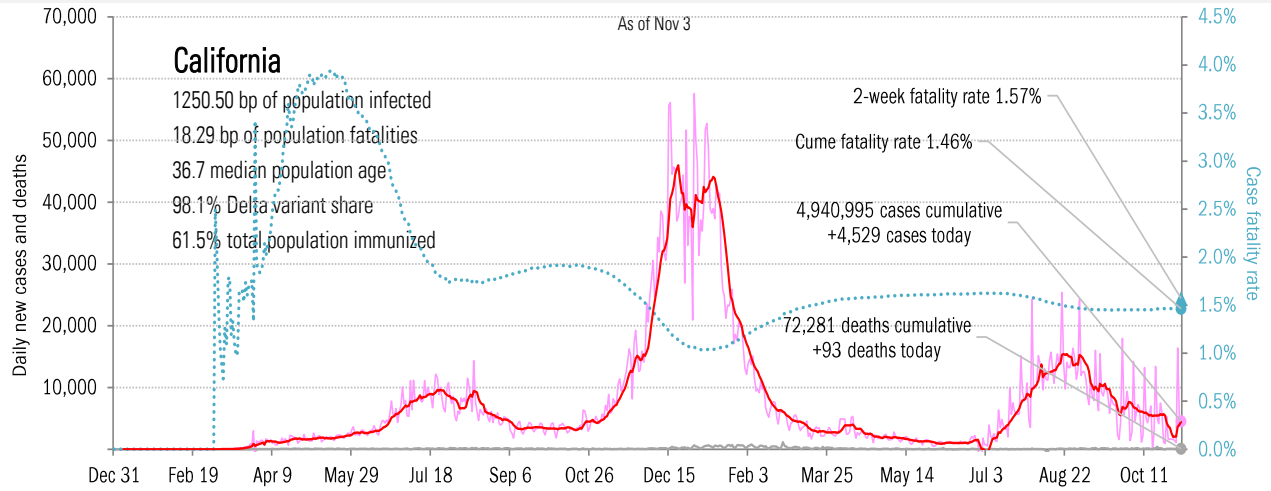
Cases: 7-day average and daily Deaths: Daily



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

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

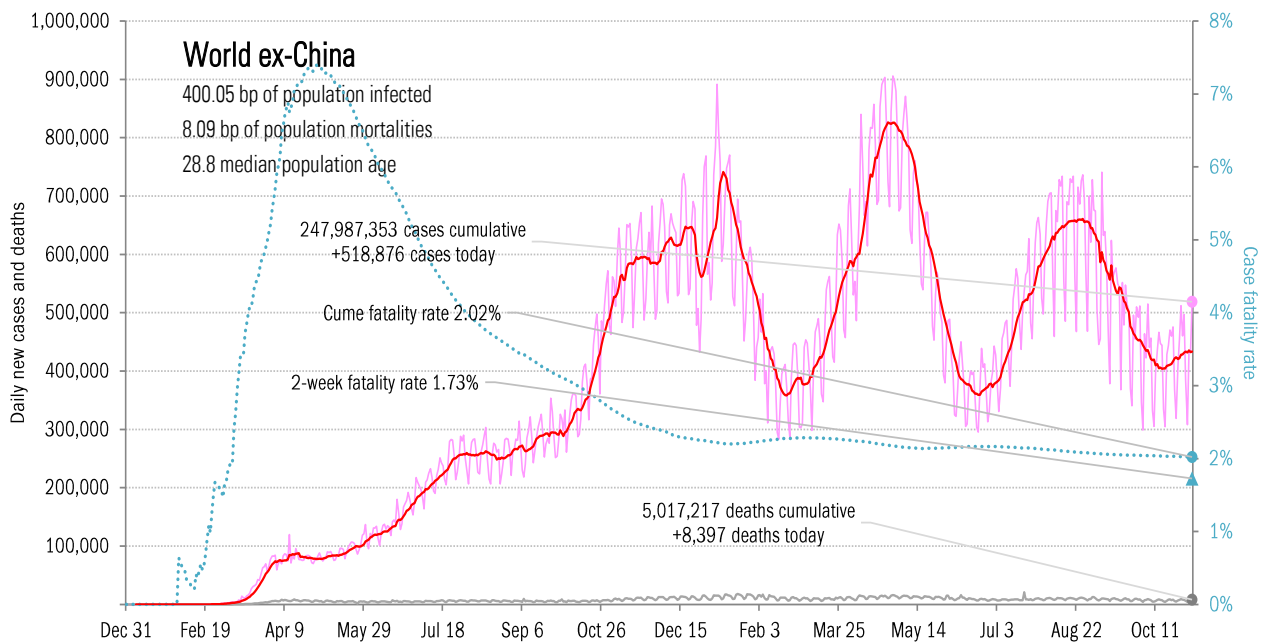
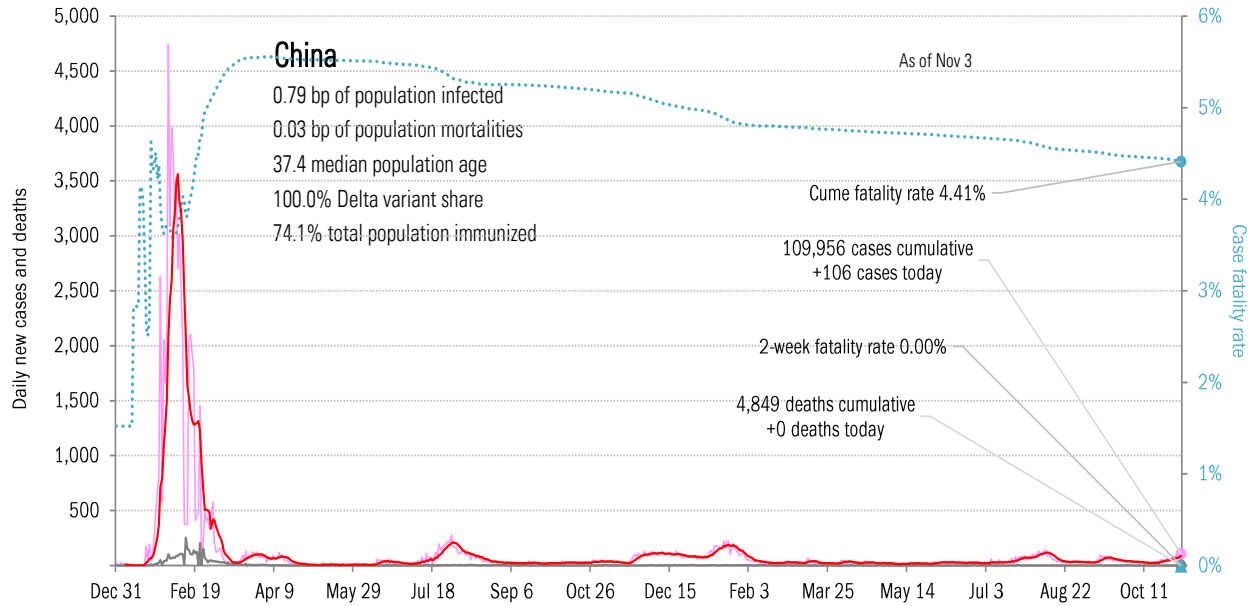
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

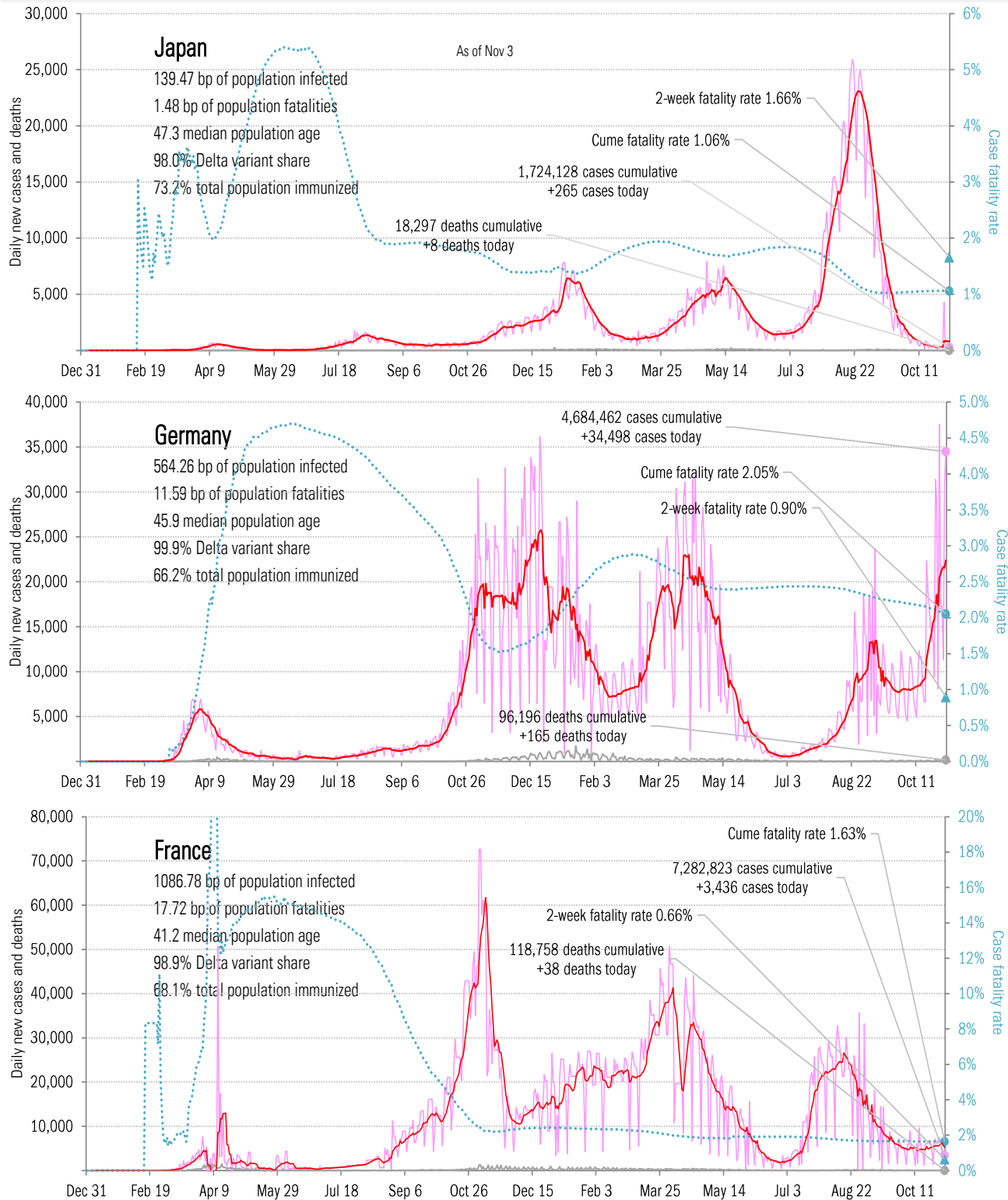
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

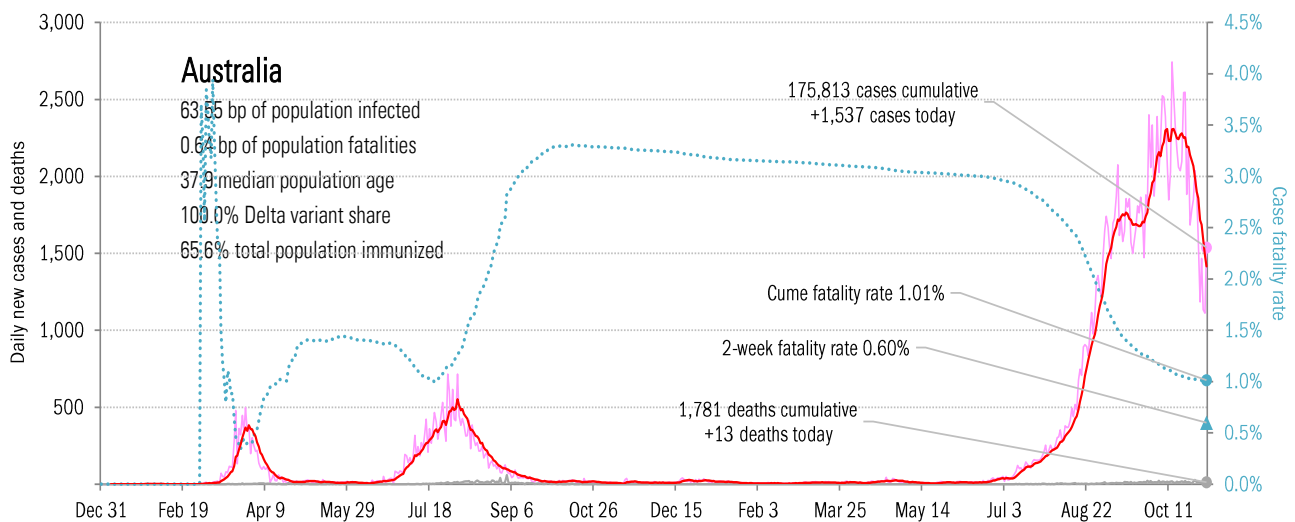
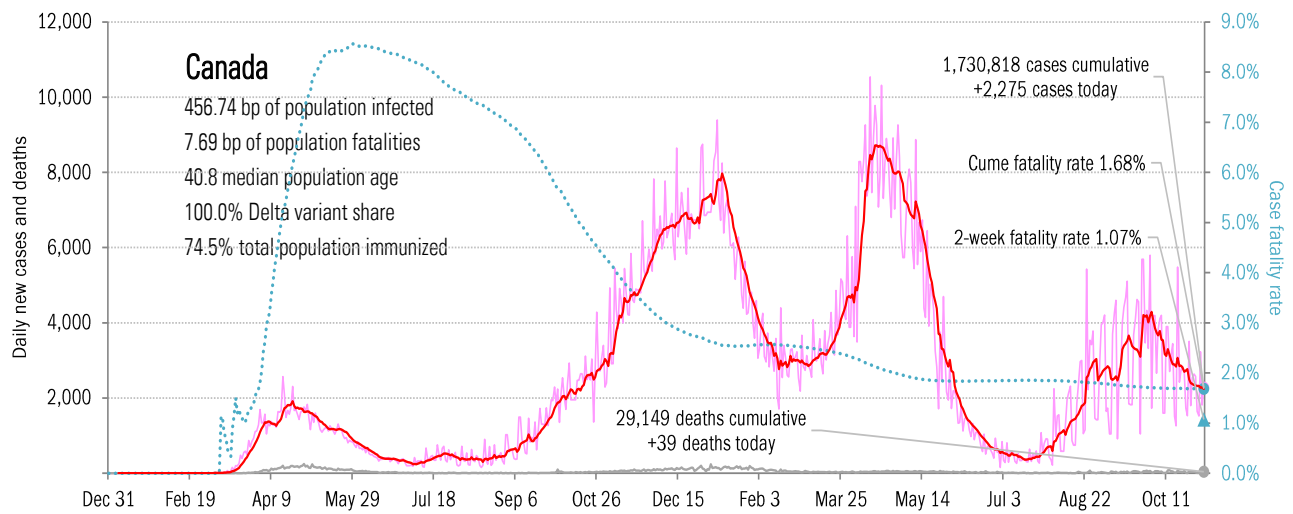
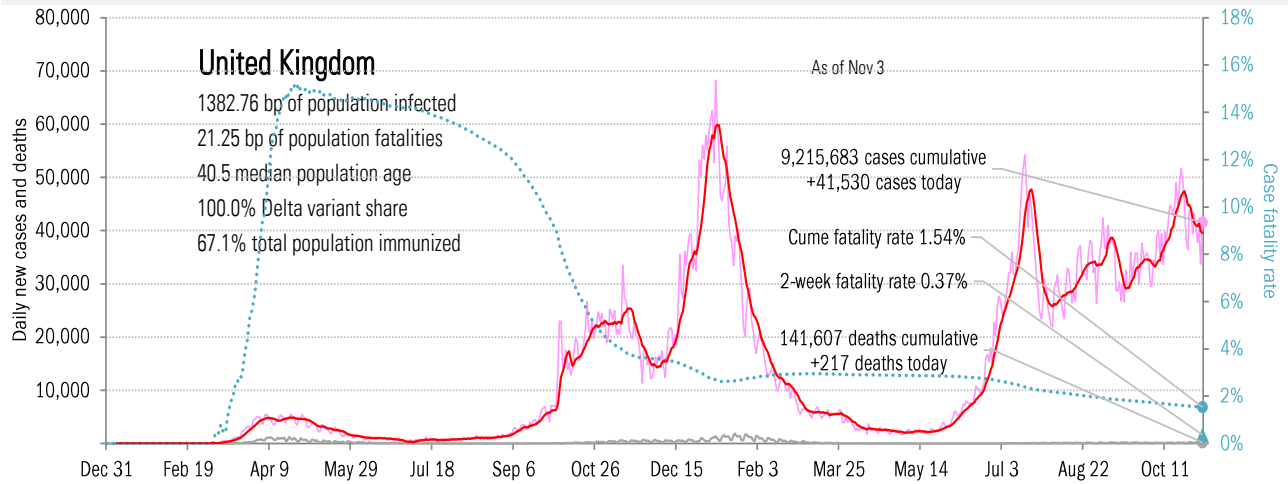
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

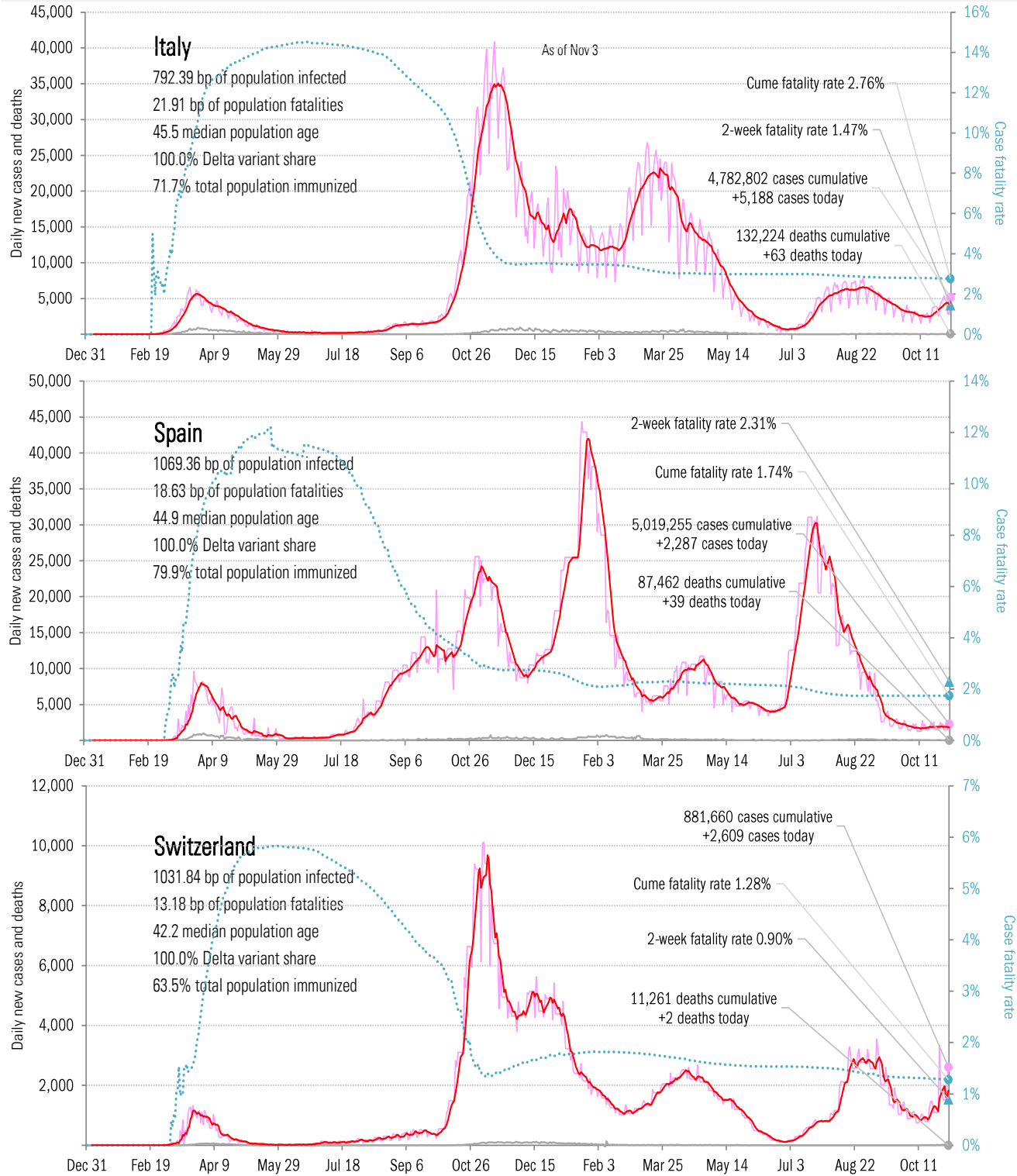
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

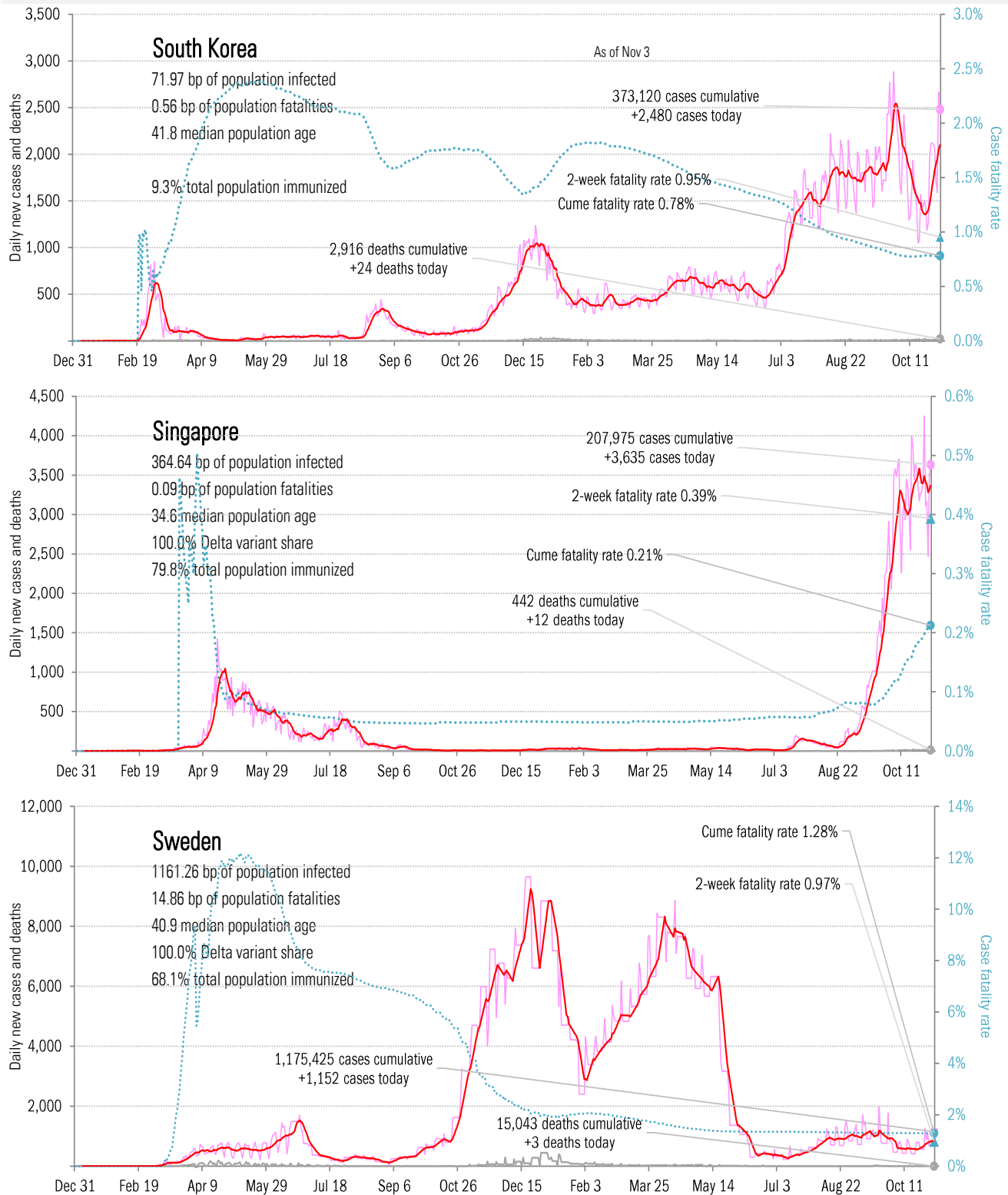
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

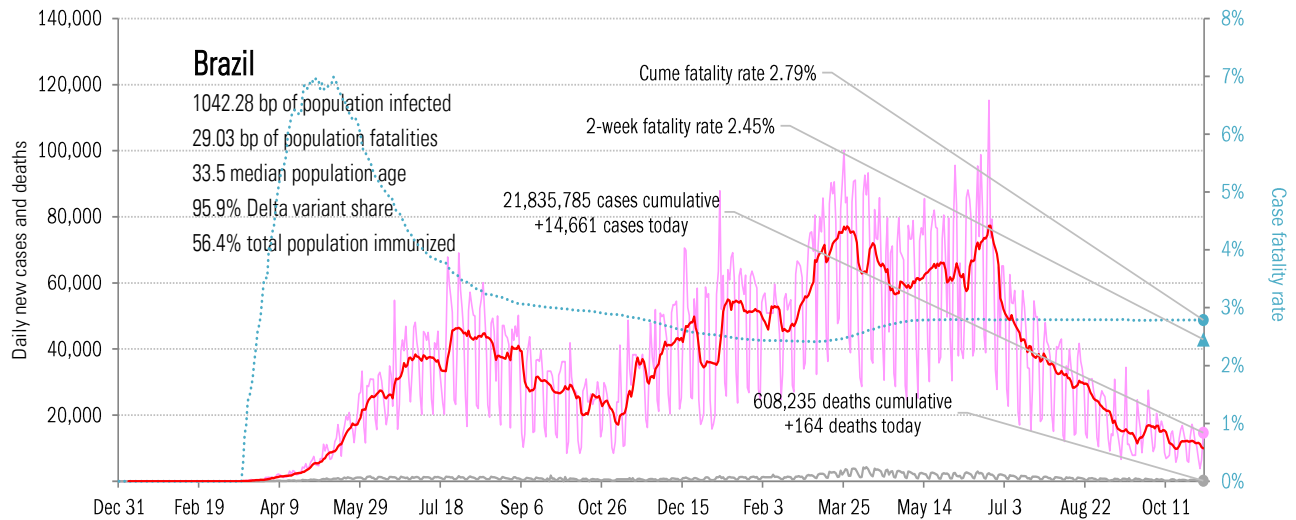
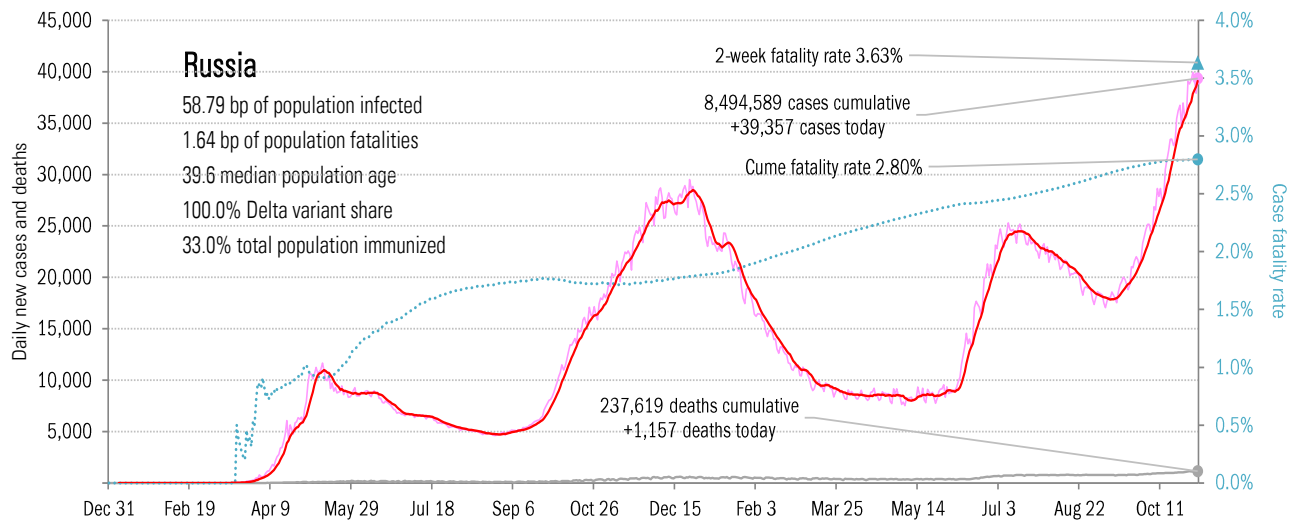
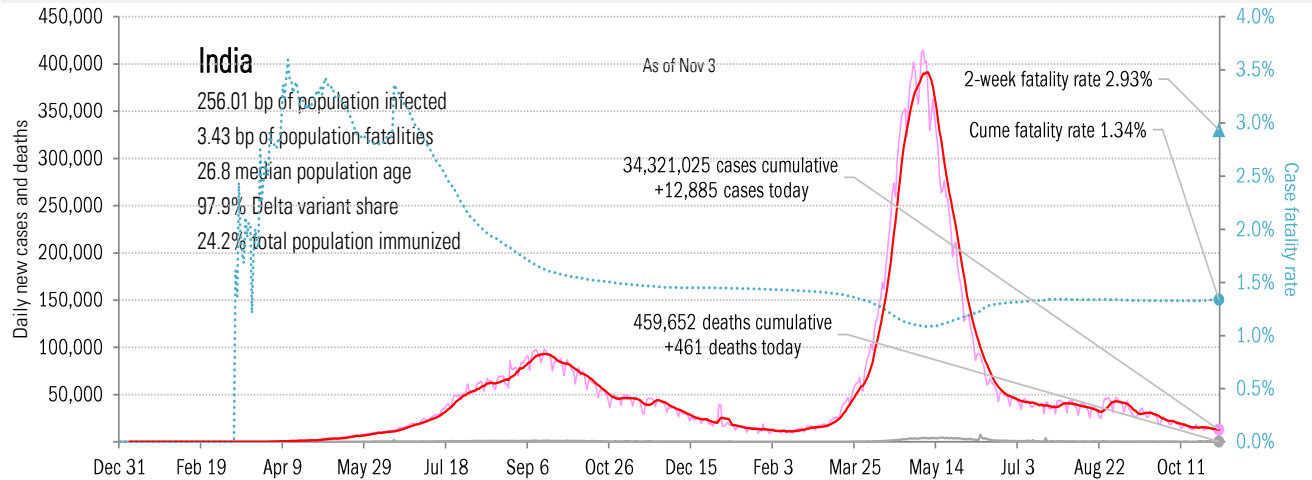
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

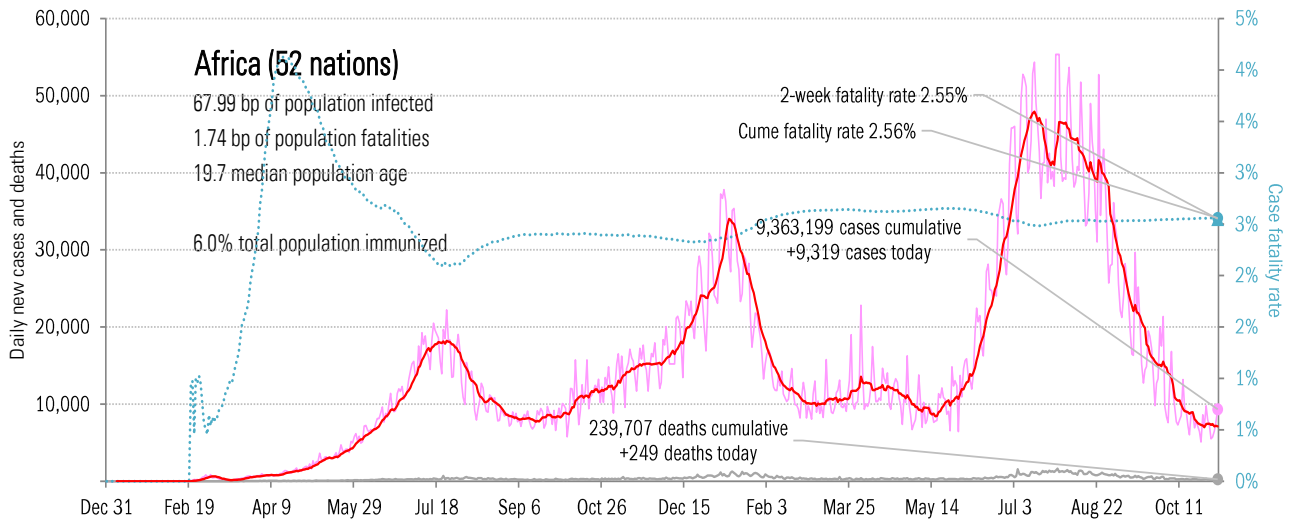
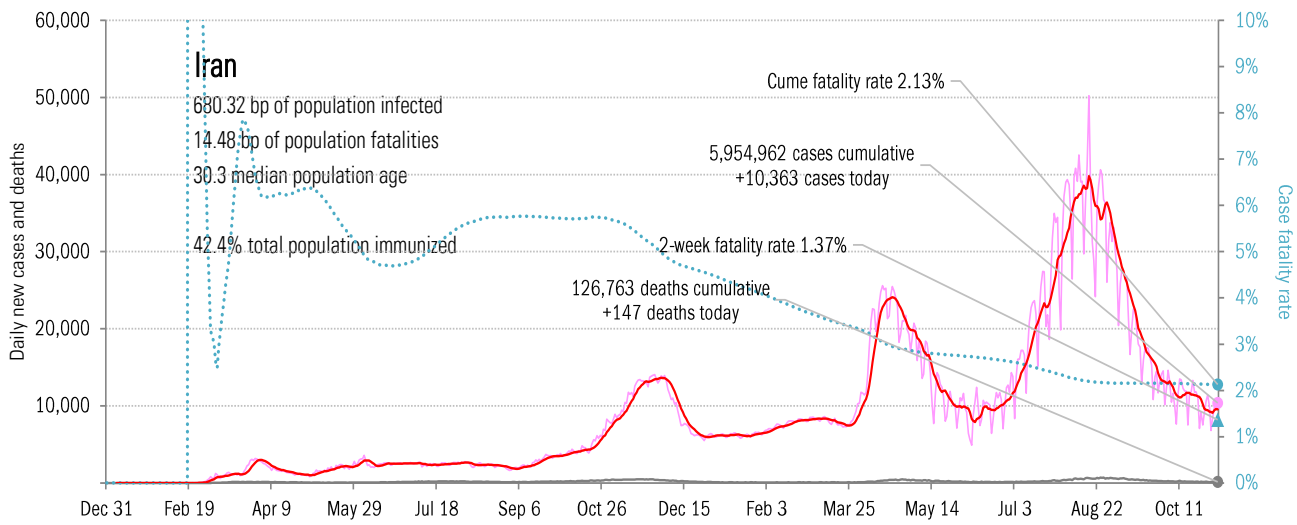
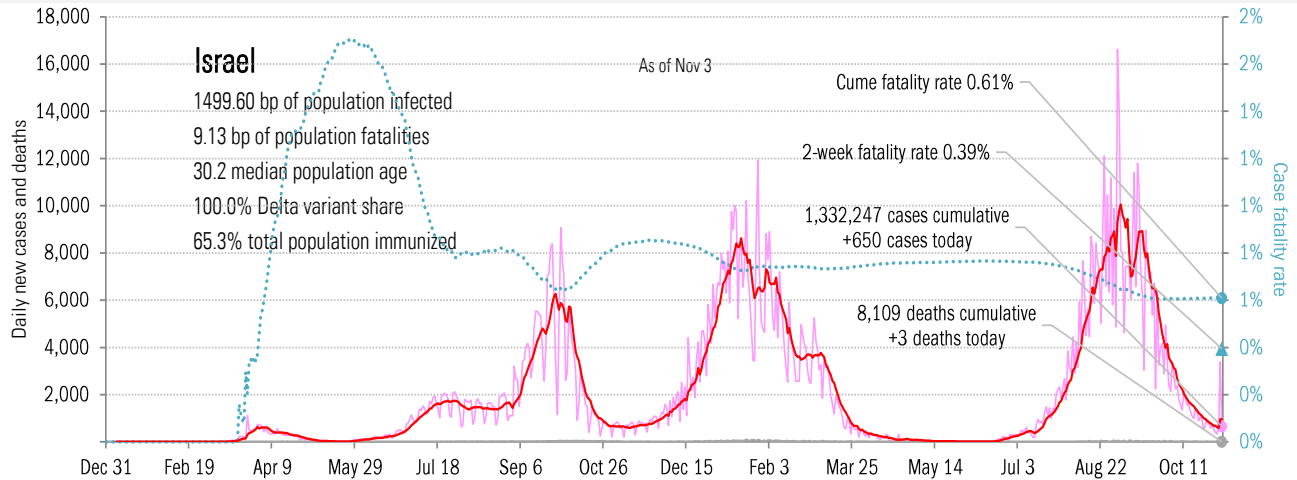
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

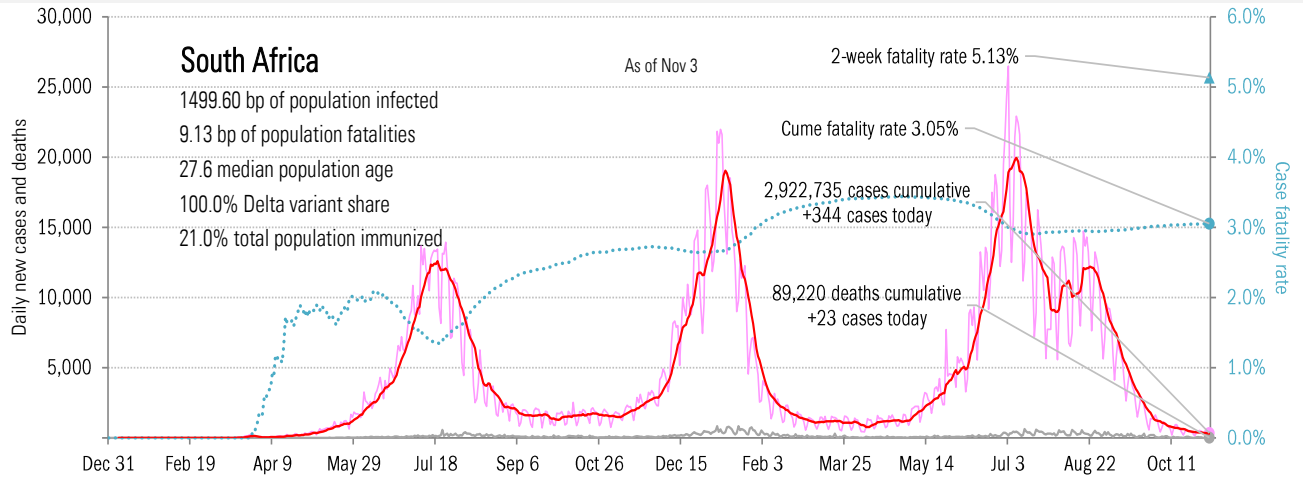
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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