

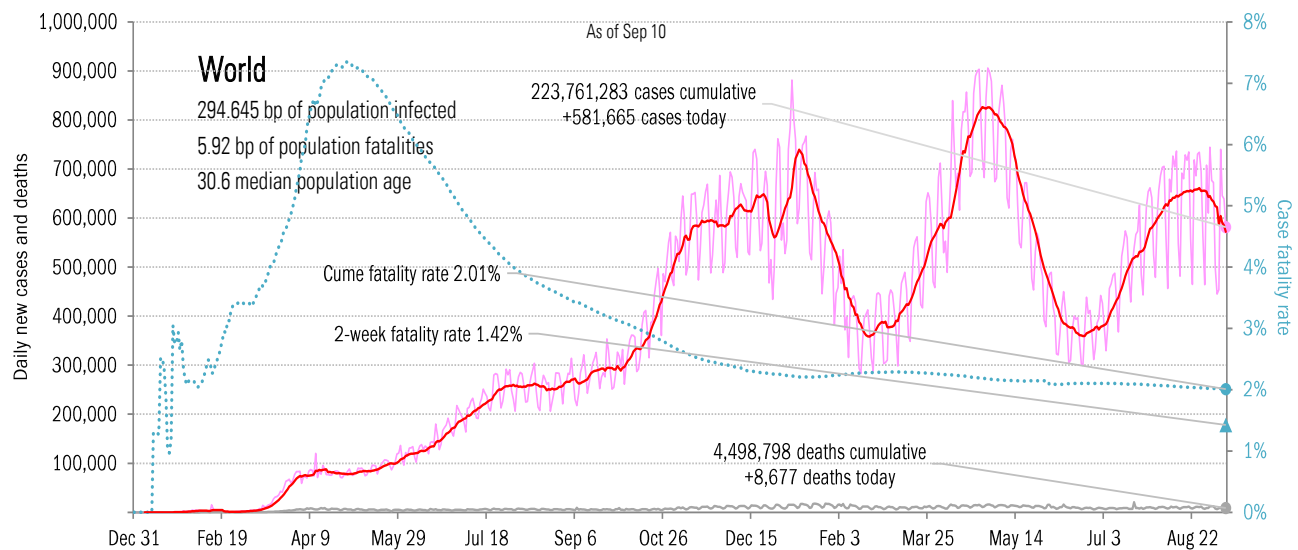
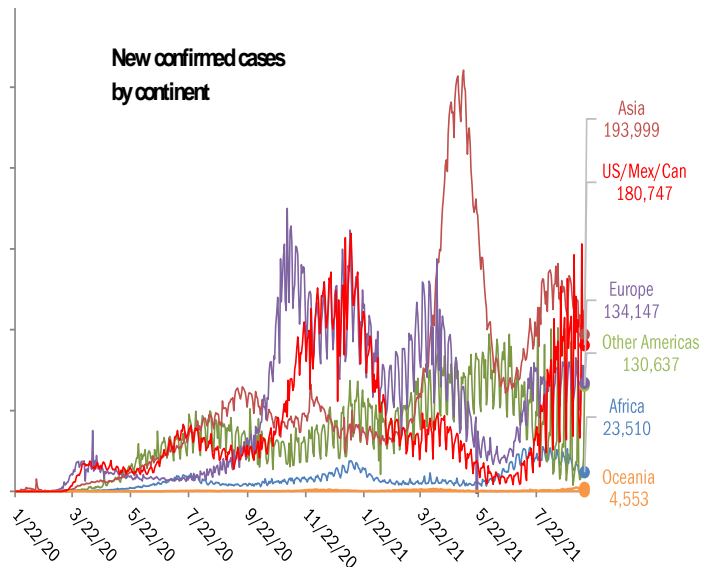
Data Insights: Covid-2019 Monitor

Saturday, September 11, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+176,148	United States	+1,961
United Kingdom	+37,012	Russia	+769
India	+33,376	Brazil	+672
Turkey	+23,562	Iran	+445
Malaysia	+21,176	Malaysia	+341
Iran	+21,114	Indonesia	+315
Russia	+18,008	India	+308
Philippines	+17,878	South Africa	+281
Brazil	+15,951	Vietnam	+275
Thailand	+14,403	Turkey	+214
+378,628		+5,581	
World	+581,665	World	+8,677
Top ten	65%	Top ten	64%



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

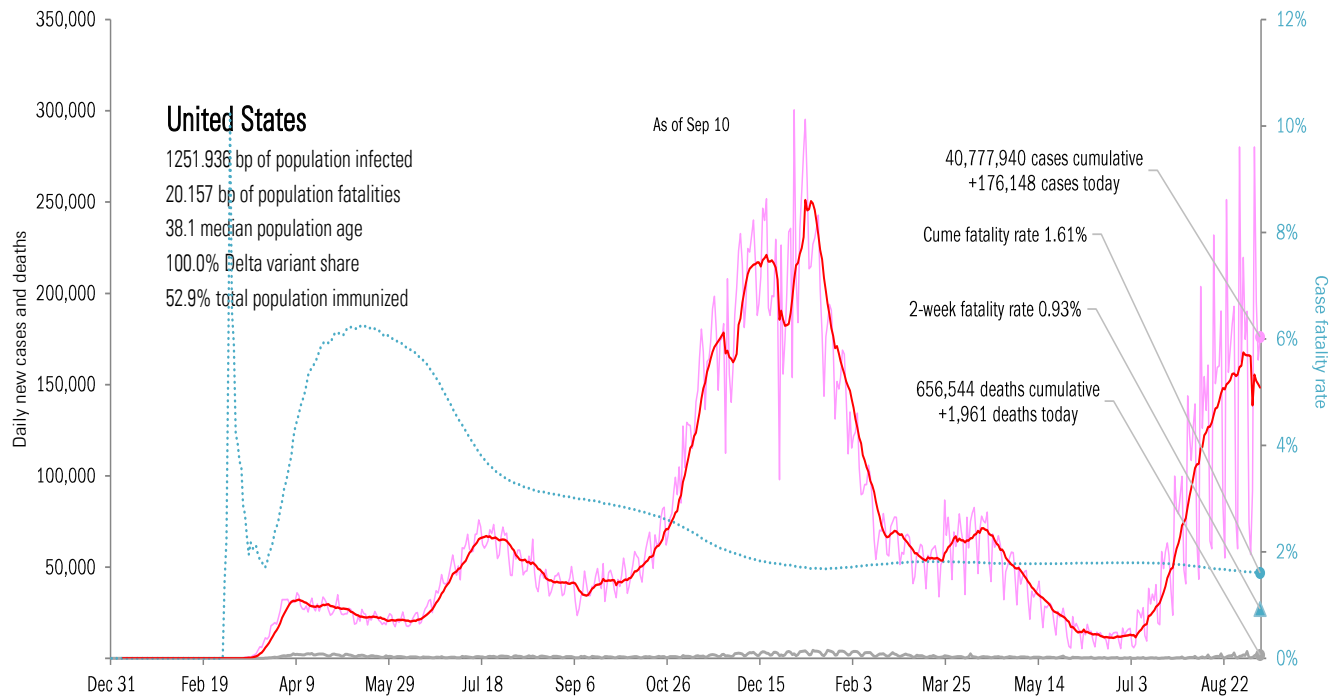
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use		
TX	+19,507		TX	+404		KY	+132		CA	4,462,876		CA	66,975		TX	335,670		GA	89%	AL	103%	
FL	+14,321		FL	+245		GA	+92		TX	3,812,711		TX	59,742		FL	291,539		RI	88%	GA	100%	
CA	+11,529		CA	+184		SC	+68		FL	3,366,772		NY	54,602		CA	286,680		MA	86%	TX	94%	
CH	+9,019		GA	+156		MI	+44		NY	2,325,332		FL	47,013		NY	149,929		SC	85%	AR	93%	
GA	+8,278		CH	+134		IN	+32		IL	1,564,386		PA	28,535		GA	142,848		MD	85%	KY	93%	
MI	+7,022		SC	+99		MA	+32		GA	1,484,274		NJ	27,039		CH	101,765		PA	85%	MS	92%	
NC	+5,877		KS	+73		TN	+32		PA	1,338,313		IL	26,694		PA	100,596		MO	84%	FL	91%	
NY	+5,652		NC	+71		WI	+31		CH	1,285,757		GA	23,741		KY	99,484		FL	84%	AK	90%	
IN	+5,328		WA	+68		NV	+23		NC	1,279,500		MI	21,821		IL	95,374		CT	83%	NC	87%	
IL	+5,309		LA	+64		LA	+21		TN	1,124,713		CH	21,154		MI	79,583		AL	82%	H	87%	
+91,842			+1,498			+507			22,044,634			377,316			1,683,468							
All states	+176,148		+2,206			+143			All states	40,777,940		656,544			2,980,037			All states	70%		67%	
Top ten	52%		68%			355%			Top ten	54%		57%			56%			Median	78%		81%	

Some states not reporting

Five most improved US states

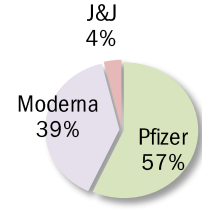
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-5,152	FL	-199	CH	-107	AL	+30 bp
LA	-2,730	TN	-65	NY	-42	DC	+30 bp
MS	-1,246	AZ	-56	KS	-26	FR	+30 bp
WA	-675	MS	-48	WA	-24	AR	+20 bp
NY	-667	NC	-39	NC	-20	FL	+20 bp



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	389,188,380		+0.986 million		US	52.9%	62.1%	
	One dose	% Pop	Immune	% pop	New immune today	UK	64.2%	70.9%
Total population	213,743,474	64%	182,399,669	55%	+0.477 million	France	62.5%	73.0%
Age 12 to 17	13,009,832	55%	10,166,546	43%	+0.075 million	Spain	75.0%	79.4%
Age 18 to 64	147,371,679	72%	124,799,714	61%	+0.351 million	Germany	61.5%	65.8%
Age 65 and over	52,324,477	96%	46,587,141	85%	+0.048 million	Italy	63.6%	72.3%
						Australia	32.7%	53.3%
						Israel	63.0%	68.7%
						Canada	68.2%	74.4%
						Japan	50.0%	62.2%
						Africa	3.3%	5.6%
						India	12.3%	39.7%
						Brazil	33.4%	66.1%
						China	67.2%	75.8%



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



Every American >18 immune in **100 days** by Dec 19, 2021
 66.4% of population >18 immunized
 13.9% previously tested positive
80.3% vs 60% adult herd immunity

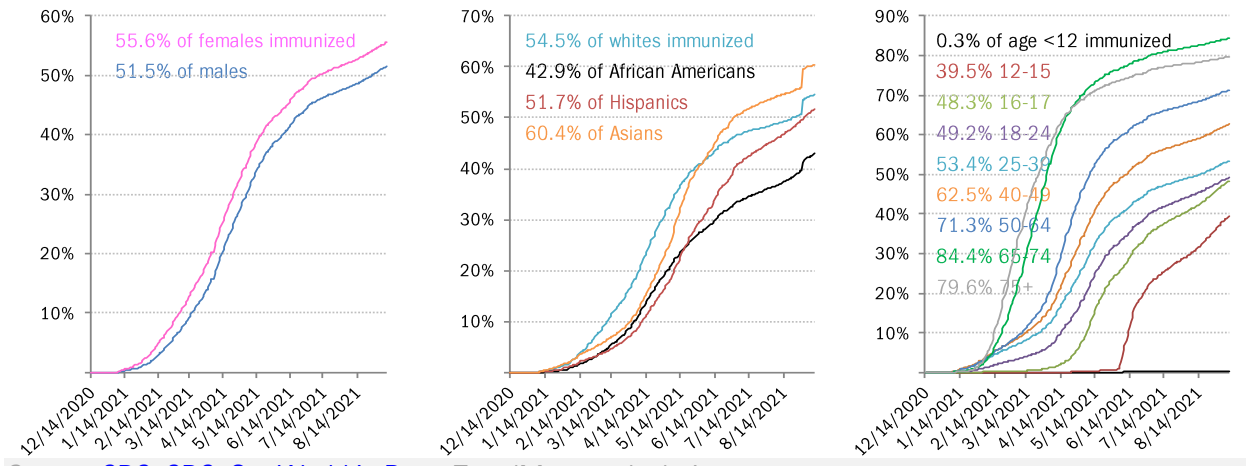
AK
55.6%
48.2%

WI
59.6%
54.8%

ME
72.5%
66.6%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
69.2%	45.2%	53.1%	49.3%	62.5%	66.9%	55.7%	68.8%	76.6%	68.0%	
61.2%	39.9%	47.0%	42.5%	56.8%	52.0%	51.1%	61.4%	68.4%	60.4%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
65.1%	59.0%	46.6%	57.4%	56.9%	50.8%	53.1%	70.4%	71.0%	76.1%	
58.9%	48.9%	39.8%	50.1%	52.5%	46.9%	49.1%	56.1%	62.5%	66.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
69.9%	57.4%	64.2%	58.2%	53.5%	58.5%	47.4%	66.3%	69.1%	74.5%	72.9%
56.9%	48.6%	57.8%	53.0%	46.1%	49.8%	39.9%	58.3%	62.4%	66.9%	65.9%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	57.8%	70.9%	58.3%	54.3%	50.9%	57.2%	53.0%	68.6%	64.8%	
	49.5%	61.0%	49.3%	43.3%	43.0%	47.6%	44.6%	58.4%	56.2%	
			OK	LA	MS	AL	GA			
			54.6%	50.4%	48.2%	51.1%	52.8%			
			45.2%	42.9%	40.3%	39.9%	42.8%			
			TX					FL		PR
			58.1%					65.1%		76.6%
			48.7%					54.6%		65.3%

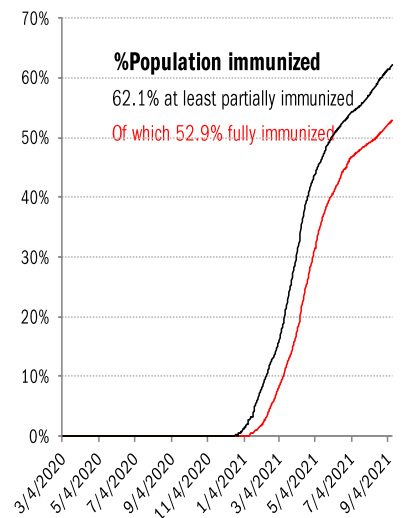
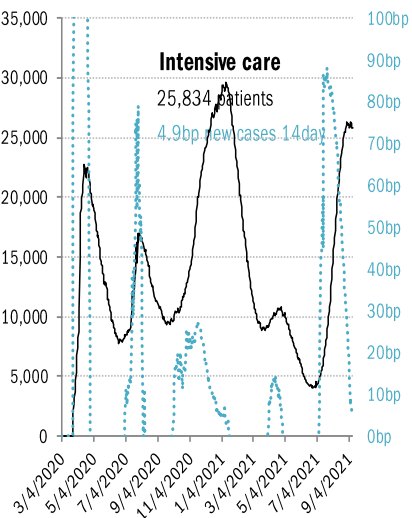
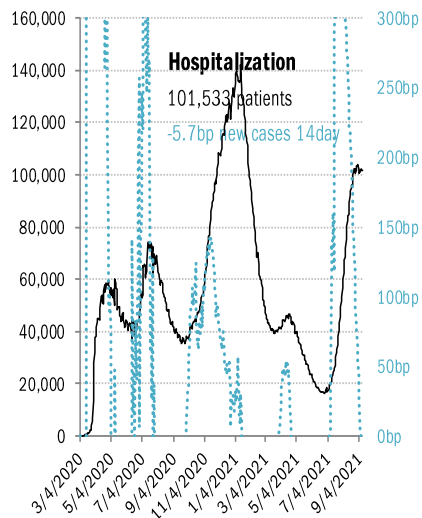
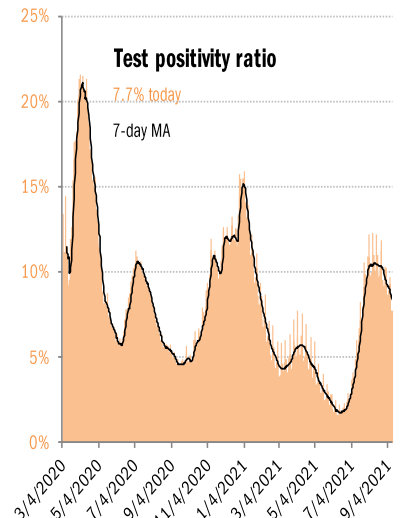
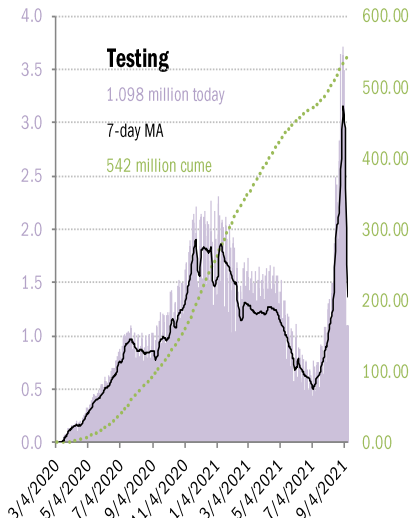
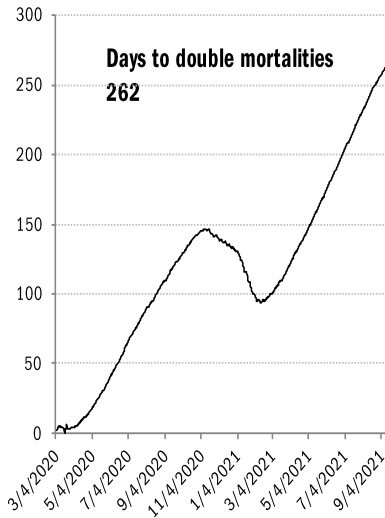
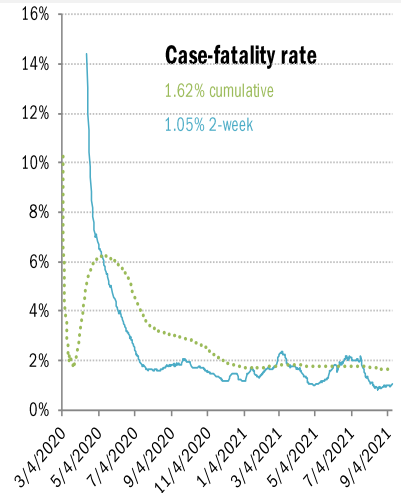
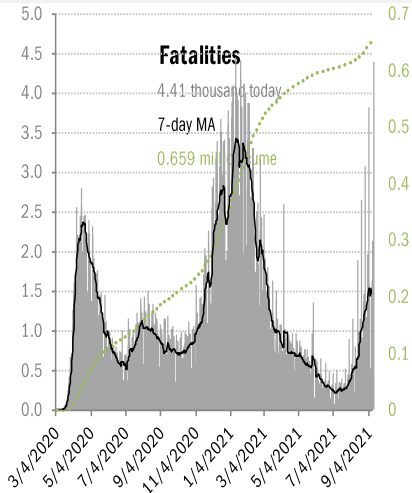
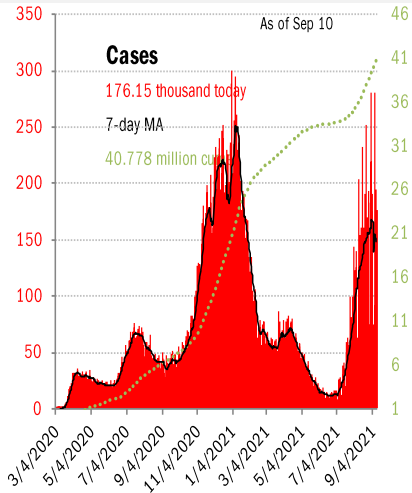
The demographics of US vaccination



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

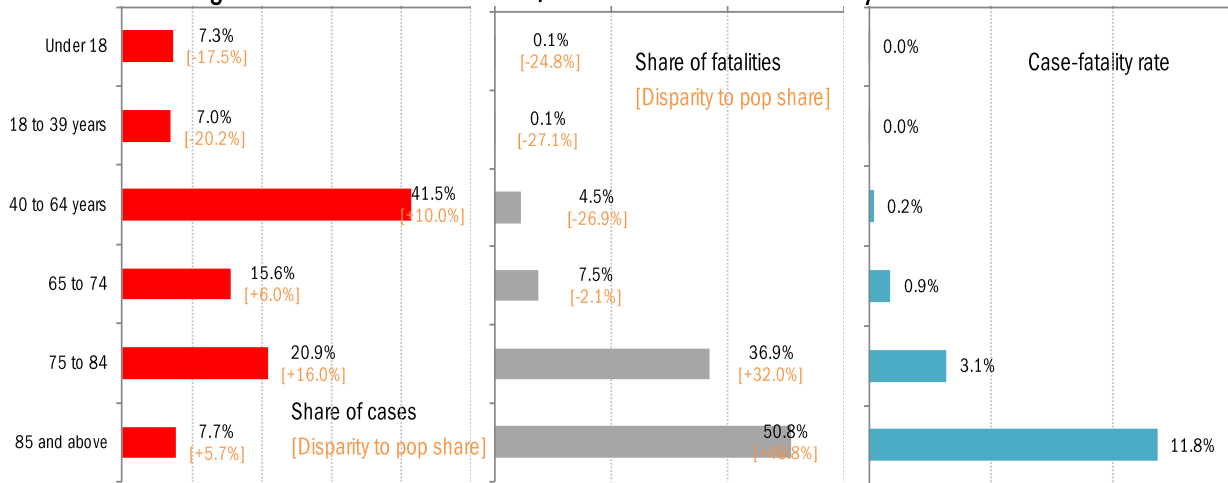
US deep-dive

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

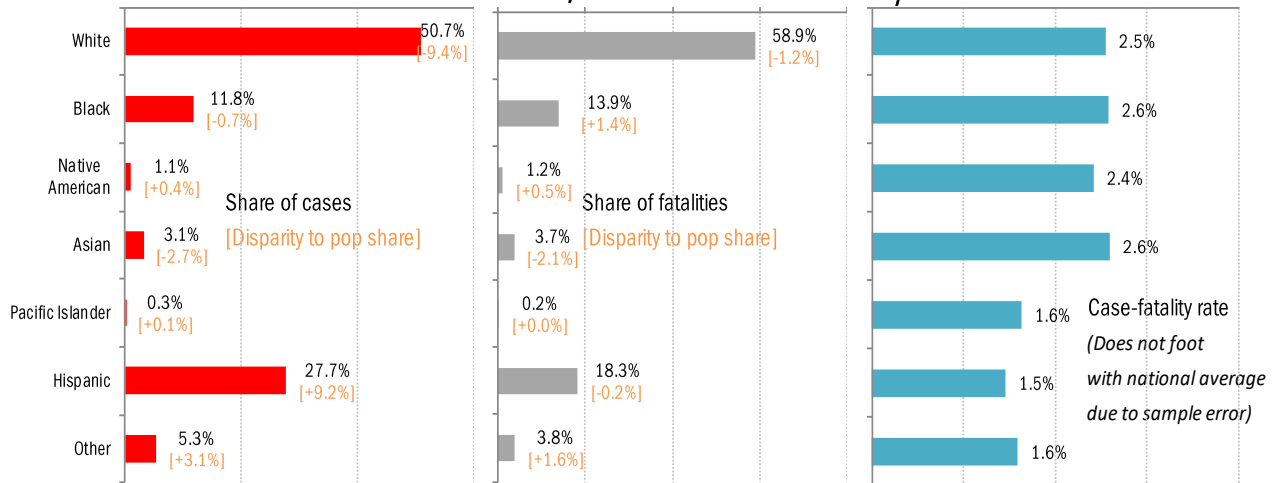


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

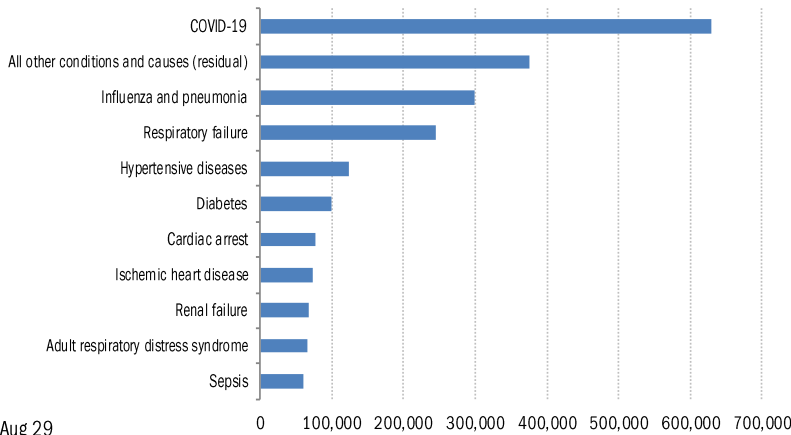


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 29

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

[Effectiveness of COVID-19 mRNA Vaccines Against COVID-19–Associated Hospitalization — Five Veterans Affairs Medical Centers, United States, February 1–August 6, 2021](#)

Kristina L. Bajema et al.
CDC
September 10, 2021

[Monitoring Incidence of COVID-19 Cases, Hospitalizations, and Deaths, by Vaccination Status — 13 U.S. Jurisdictions, April 4–July 17, 2021](#)

Heather M. Scobie et al.
CDC
September 10, 2021

[Members of Congress and Their Staff Are Exempt From Biden's Vaccine Mandate](#)

Darragh Roche
Newsweek
September 10, 2021

[Biden's Vaccine Mandate Is a Big Mistake](#)

Robby Soave
New York Times
September 10, 2021

[Biden Uses Array of Legal Tools to Mandate Vaccines, Testing Limits of His Power](#)

Michael D. Shear and Noam Scheiber
New York Times
September 10, 2021

['See you in court': G.O.P. governors express outrage and vow to fight Biden's vaccine requirements.](#)

Jack Healy and Lauren McCarthy
New York Times
September 10, 2021

[More Children Have Been Shot This Year In Chicago Than Have Died From Covid In The Entire U.S.](#)

Joe Kinsey
Outkick
September 9, 2021

[The way we were: Denmark lifts all Covid curbs](#)

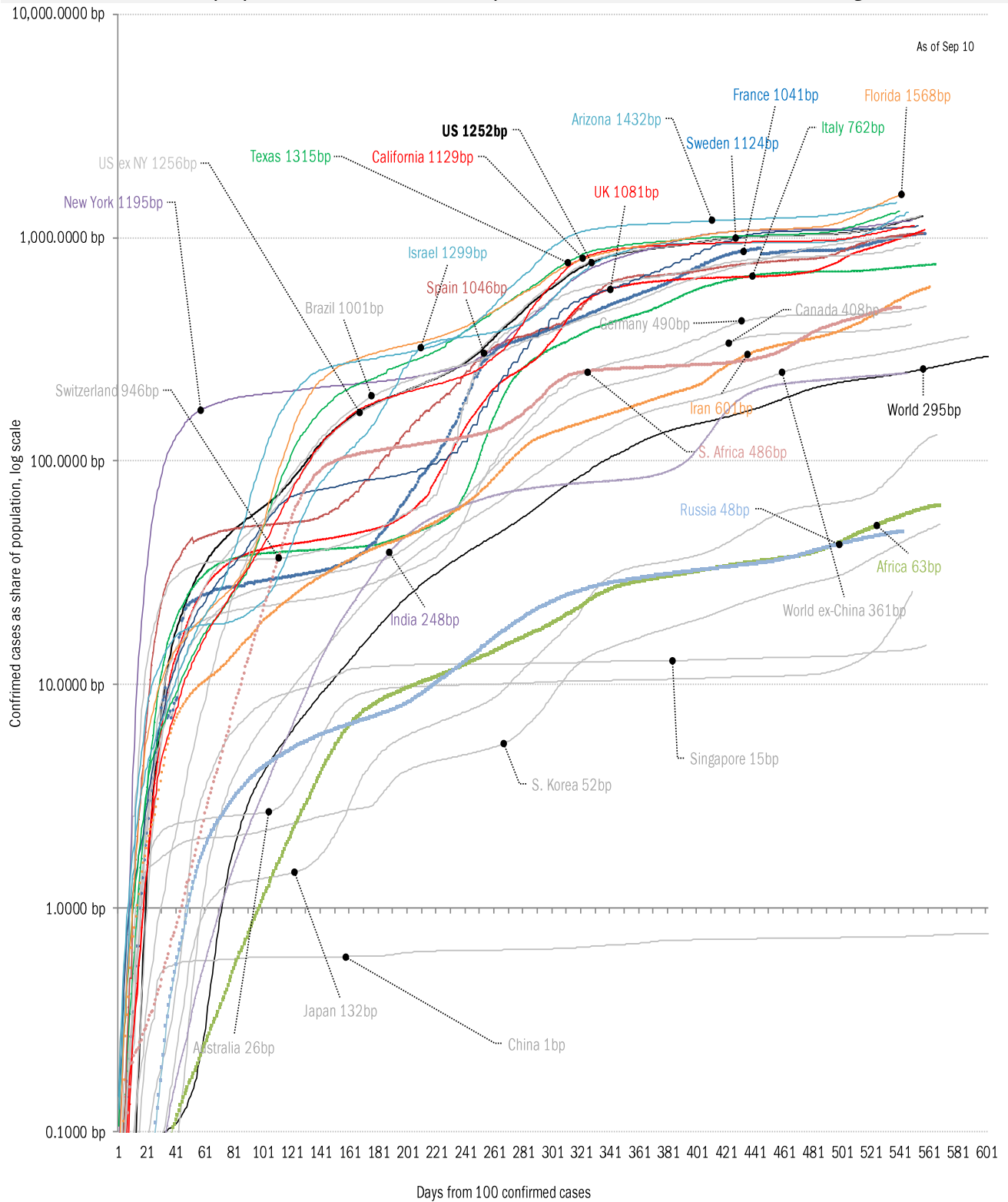
France 24
September 9, 2021

Meme of the day



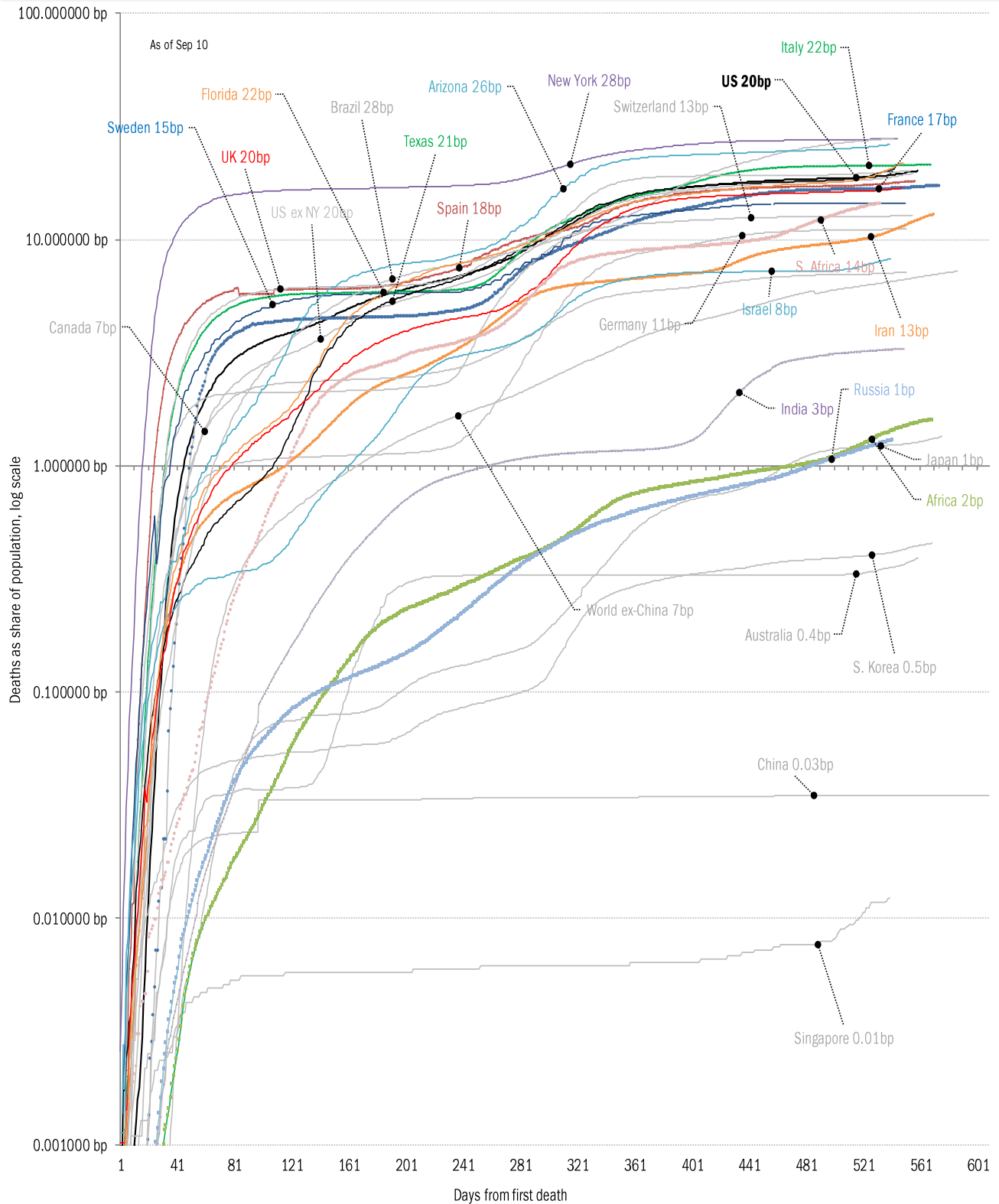
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

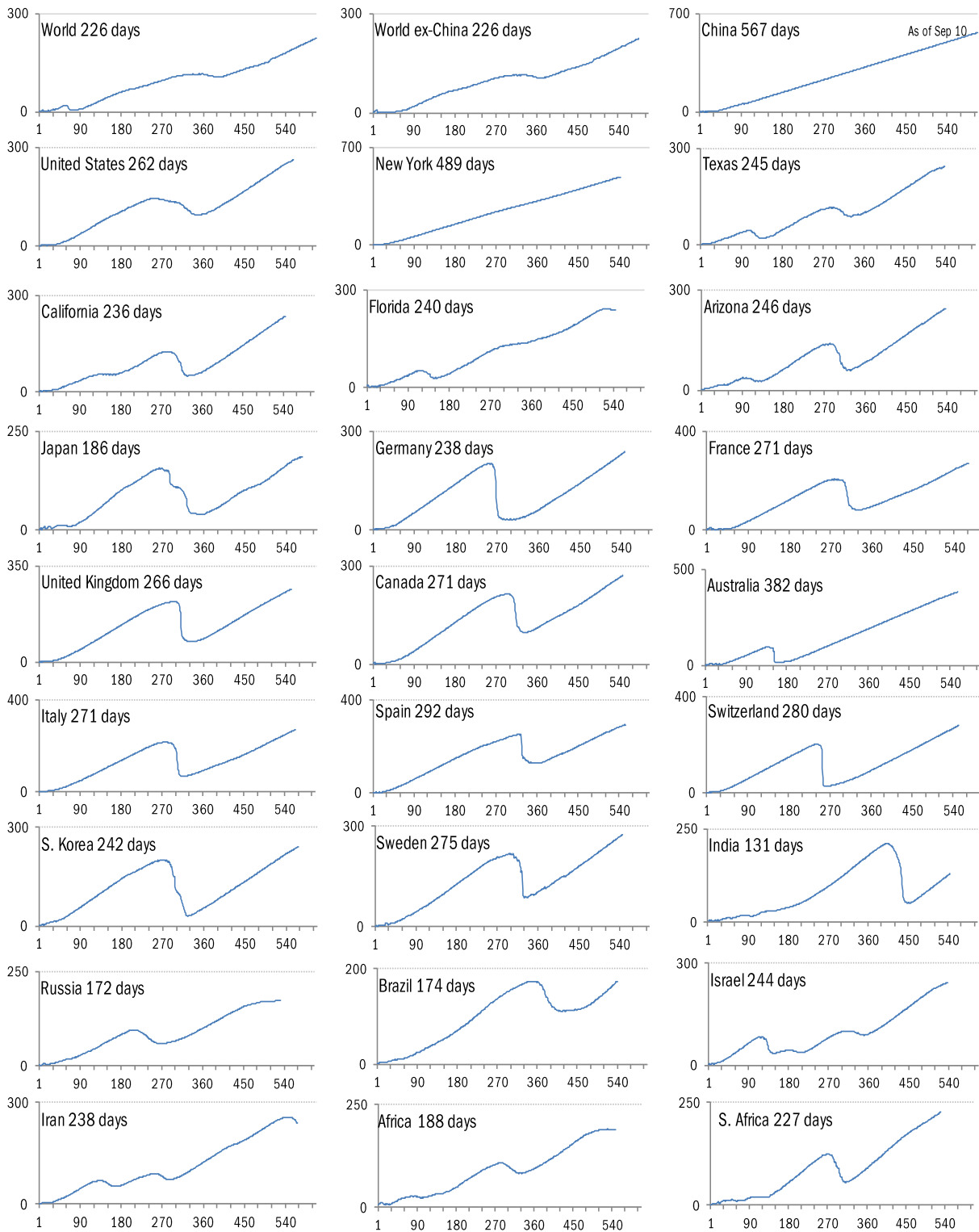


Source: [Johns Hopkins](#), TrendMacro calculations

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

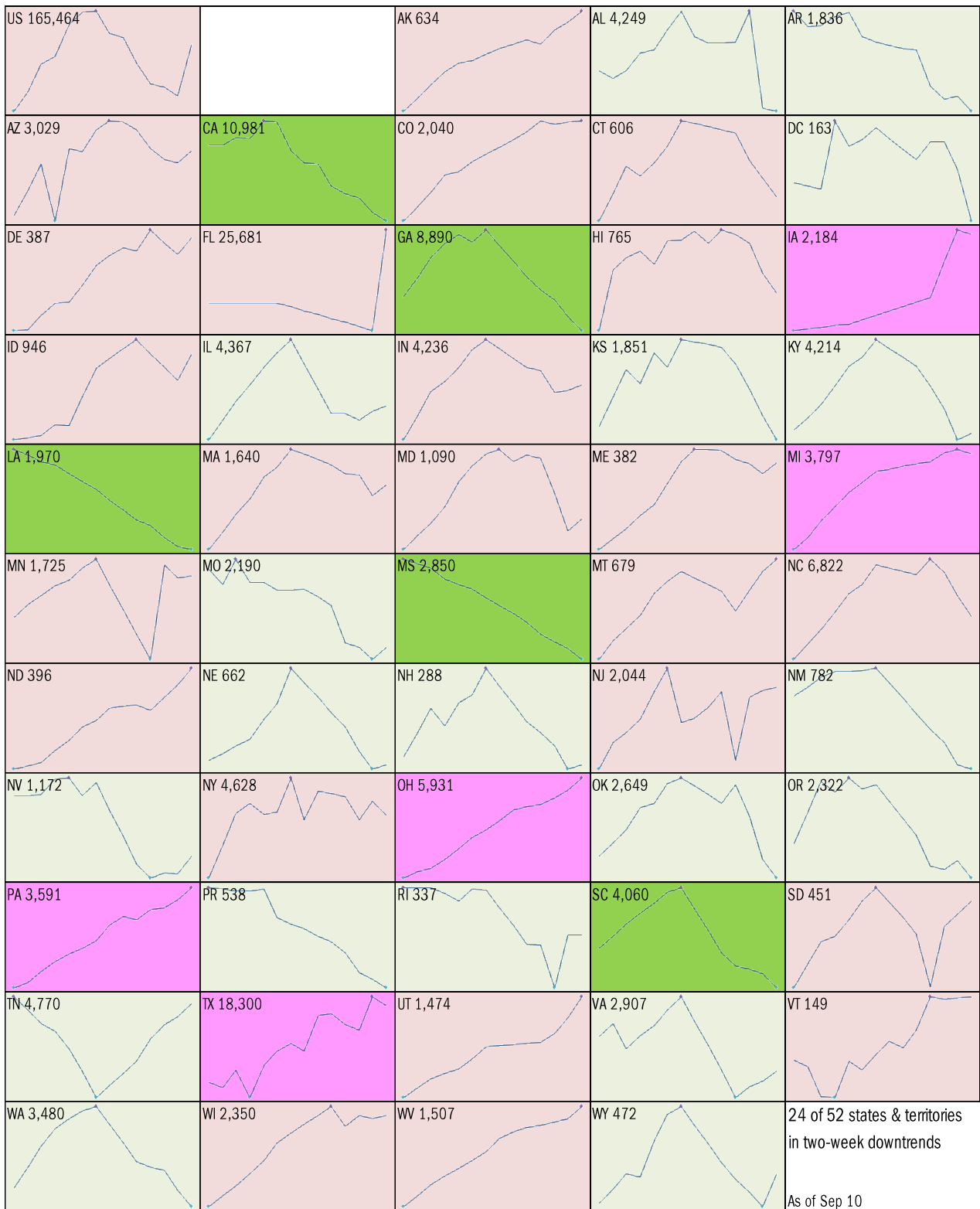


Source: [Johns Hopkins](#), TrendMacro calculations

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

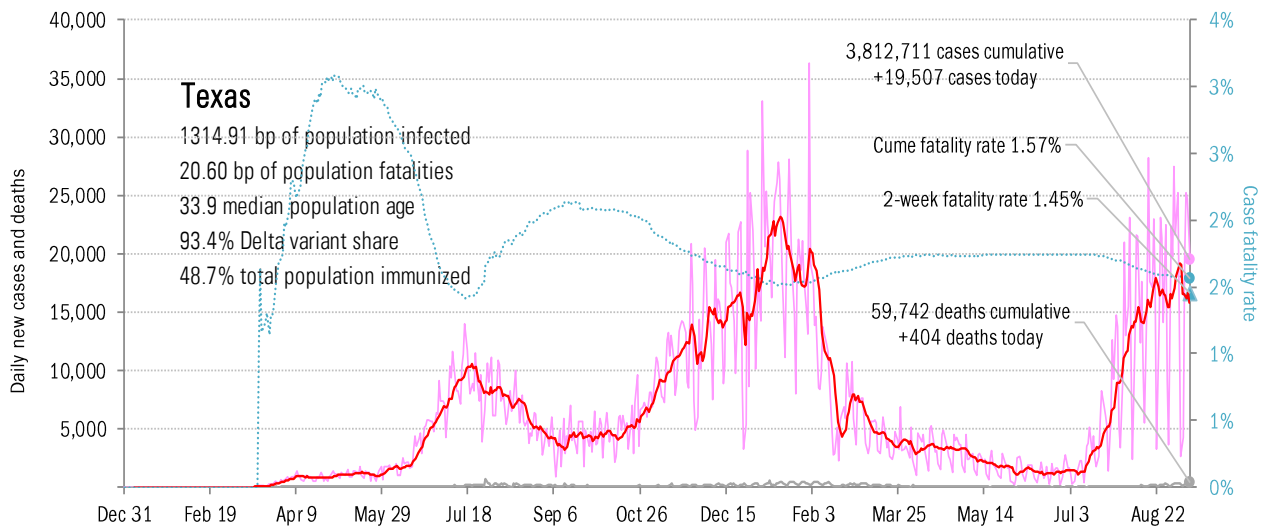
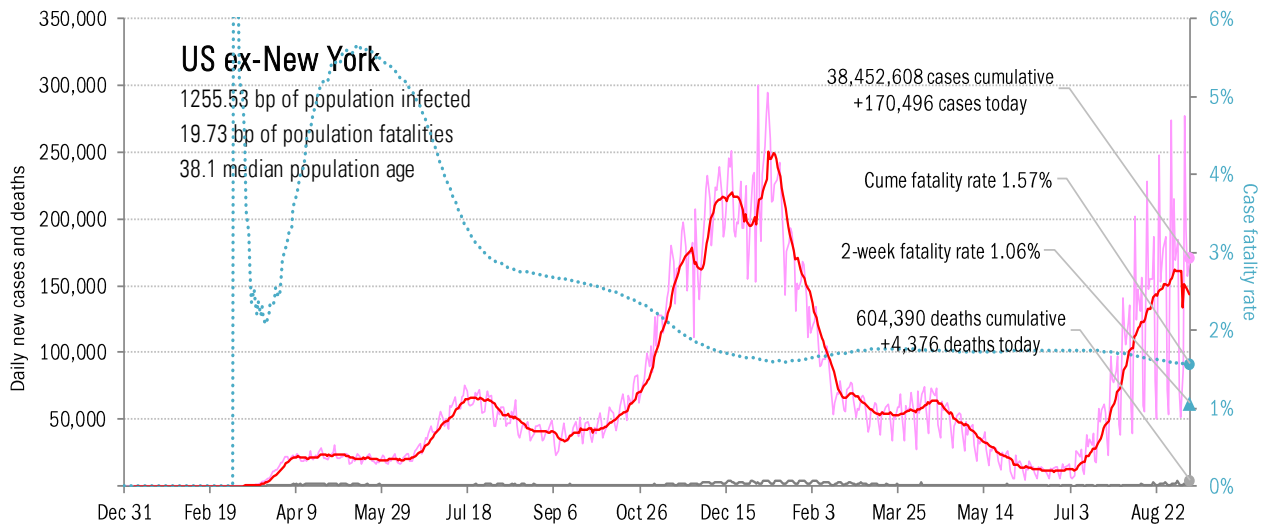
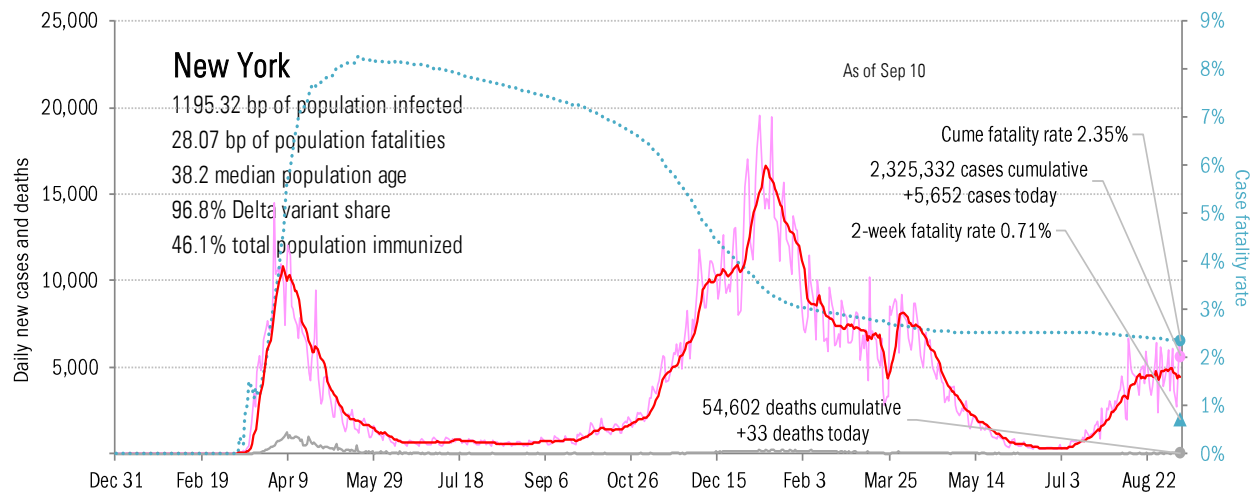
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

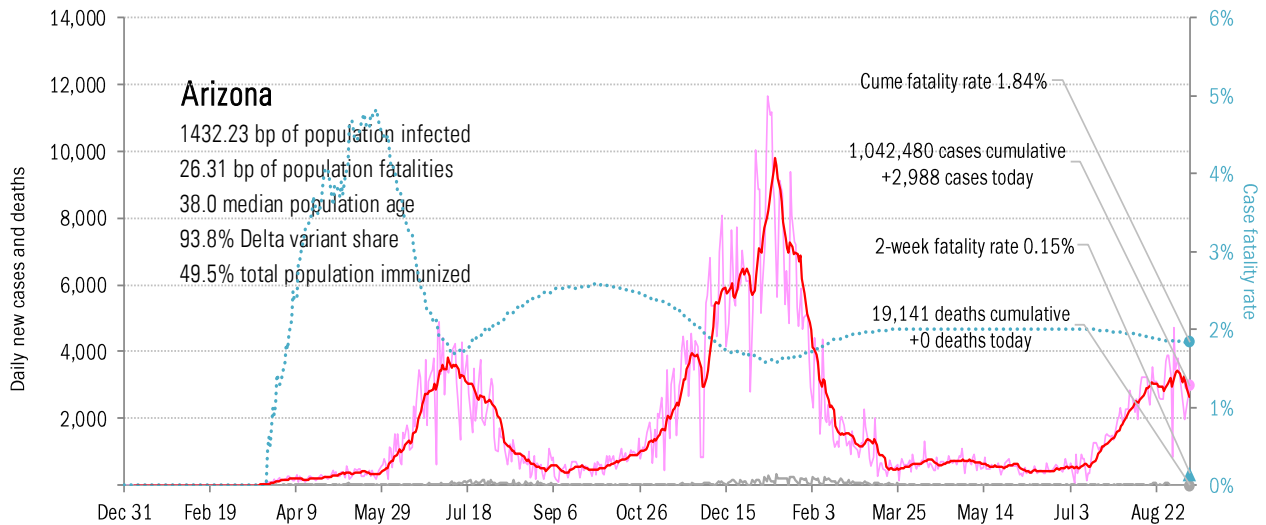
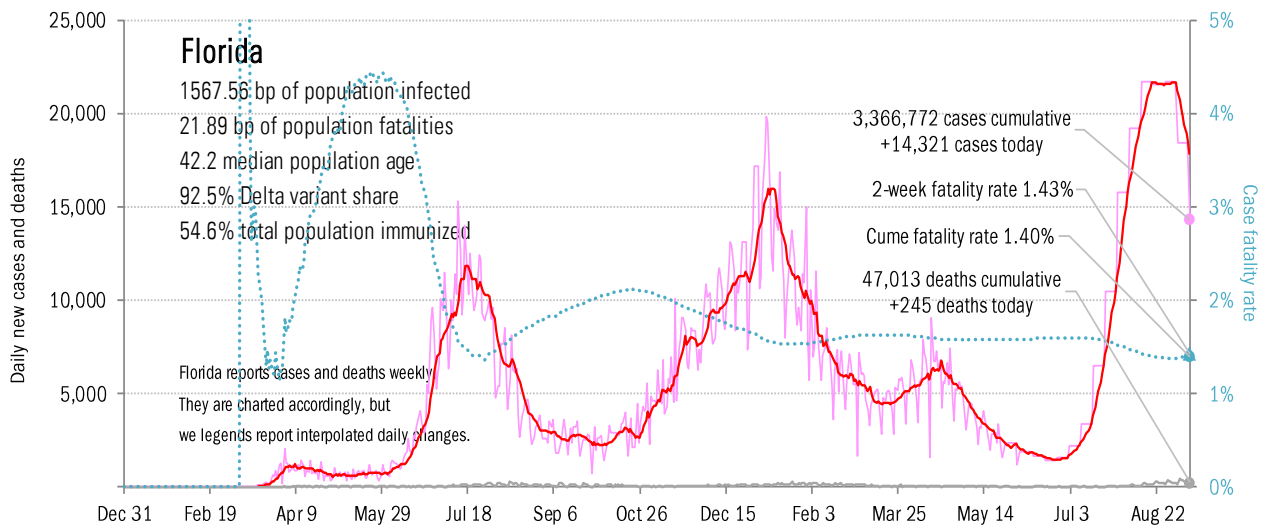
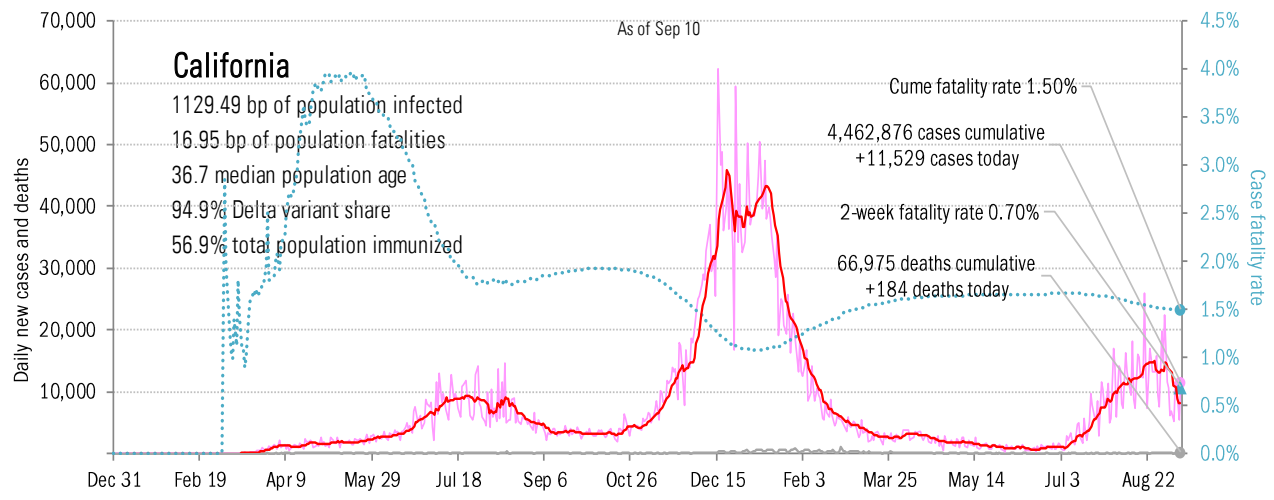
From Ground Zero to the Rio Grande

Cases: 7-day average and daily Deaths: Daily



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

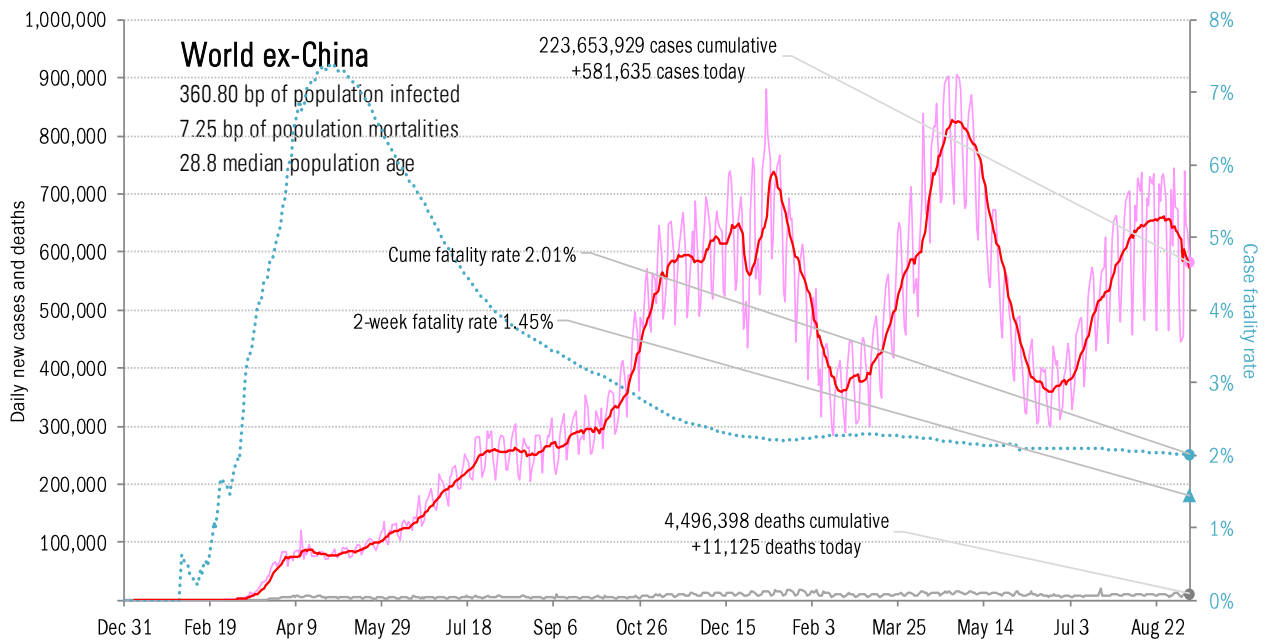
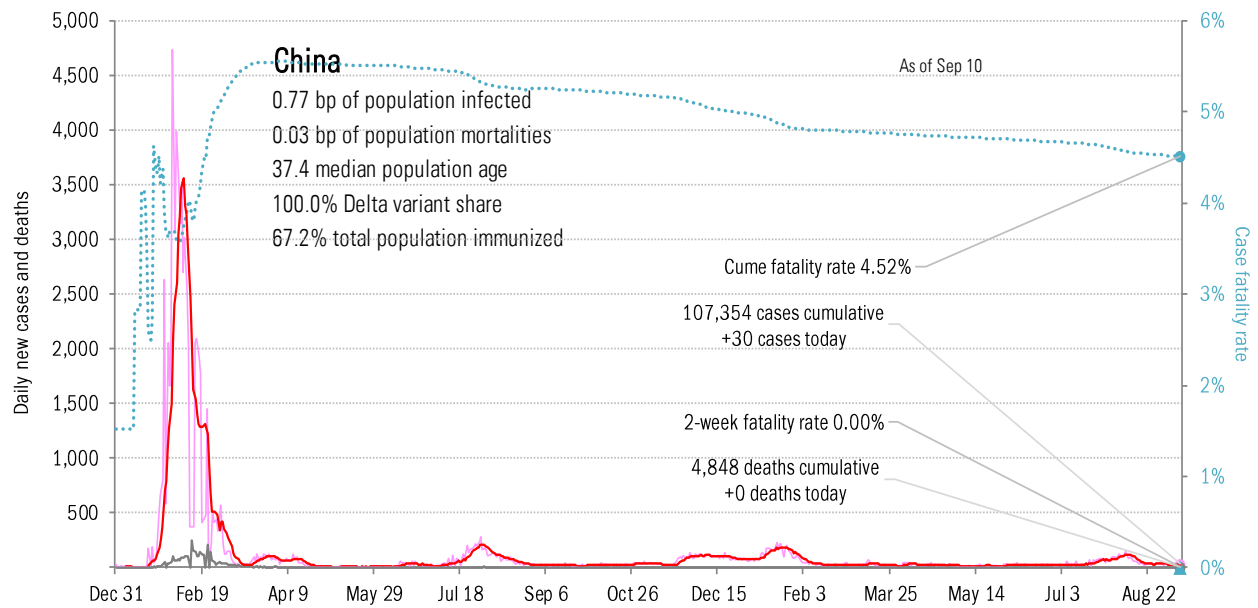
The sun-belt hot-spot states (other than Texas) Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

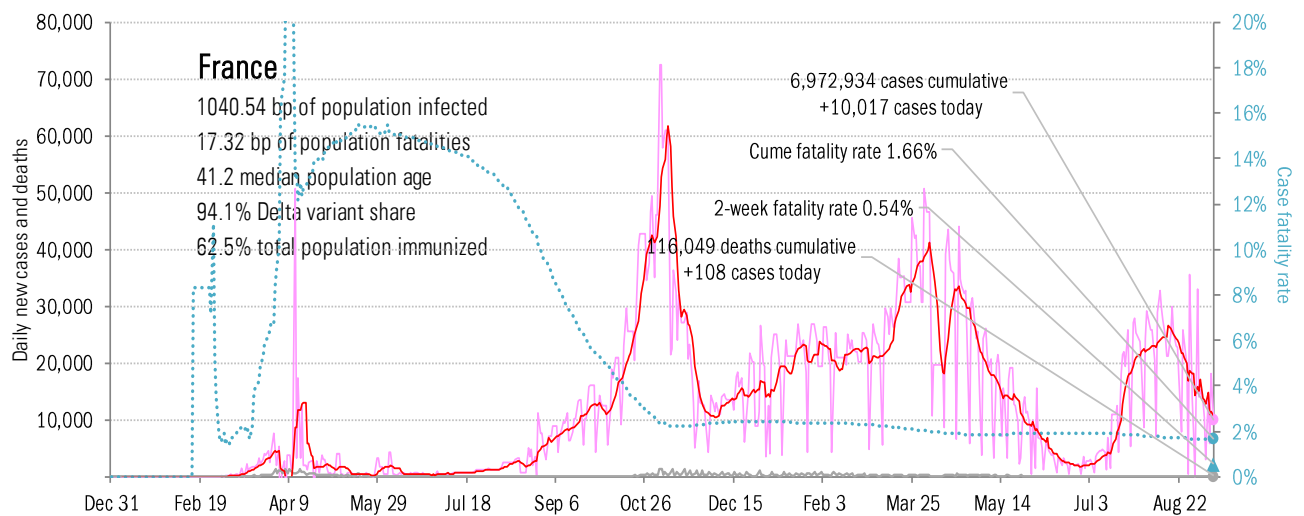
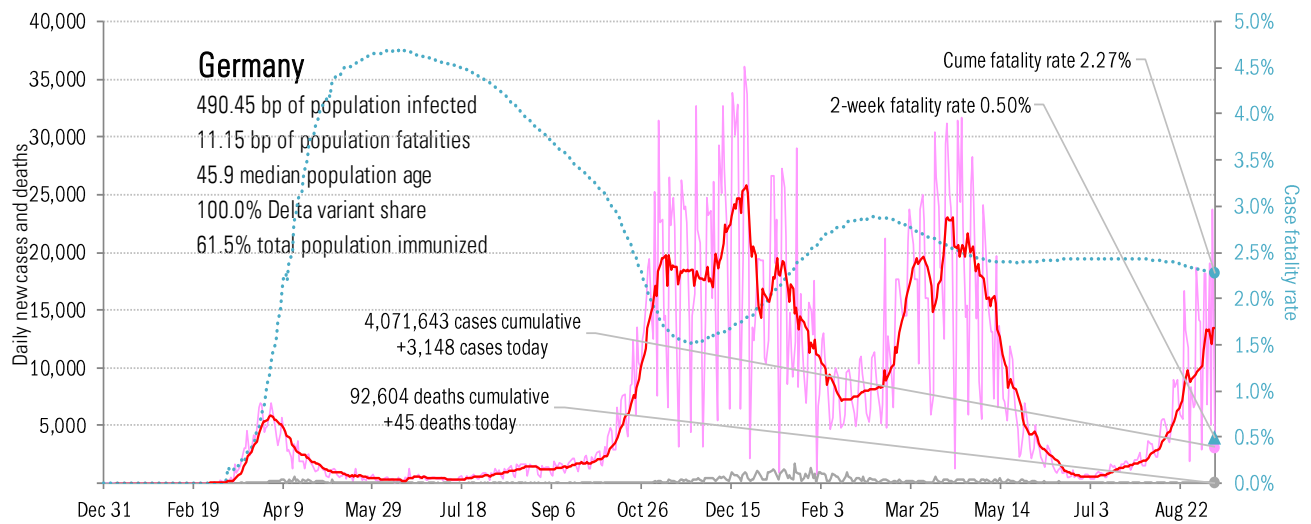
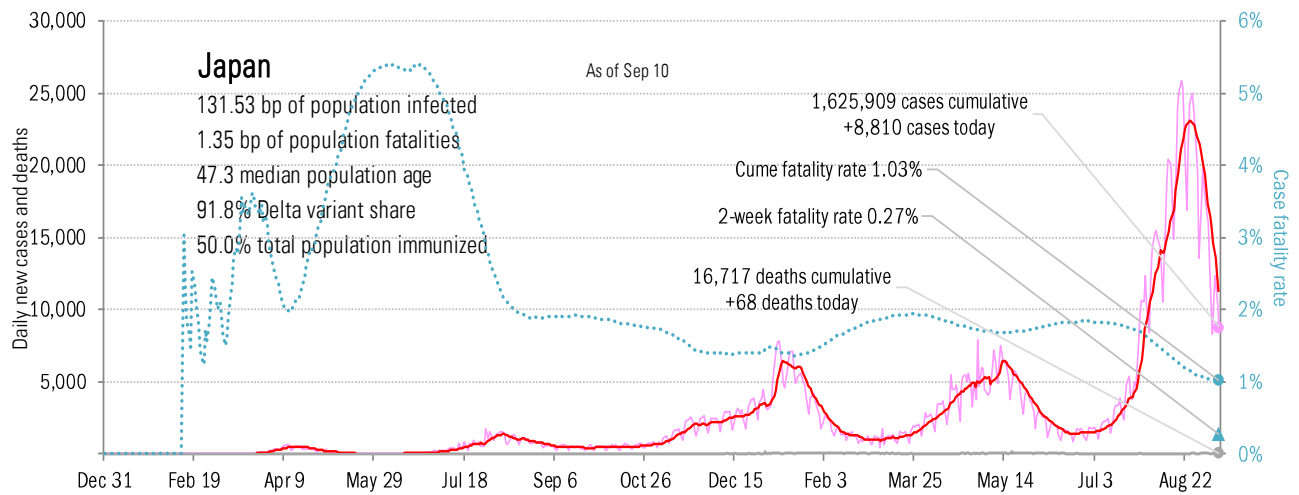
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

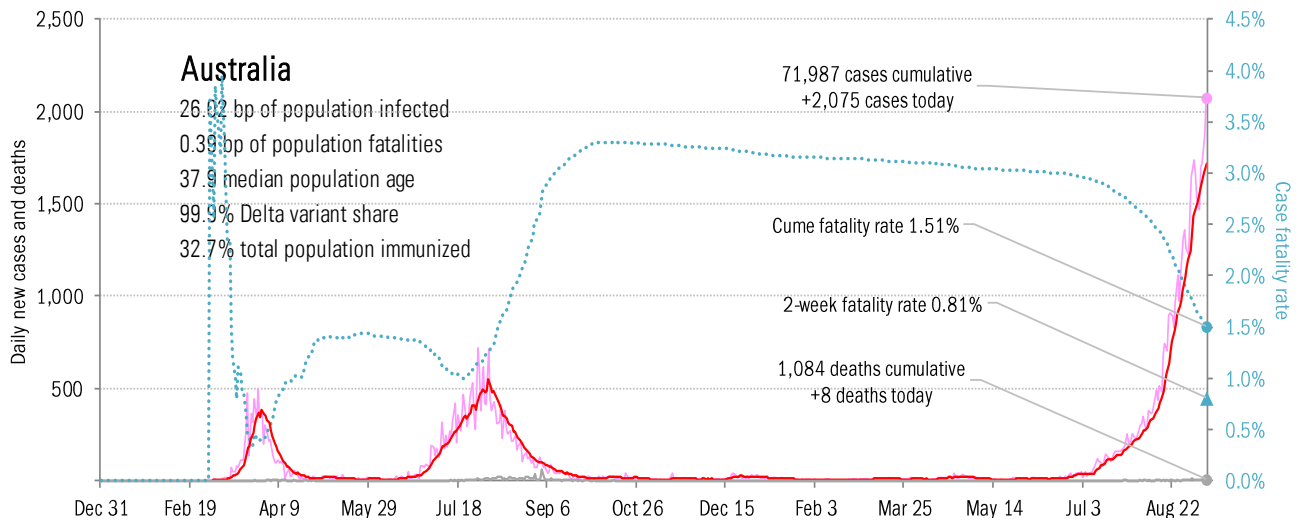
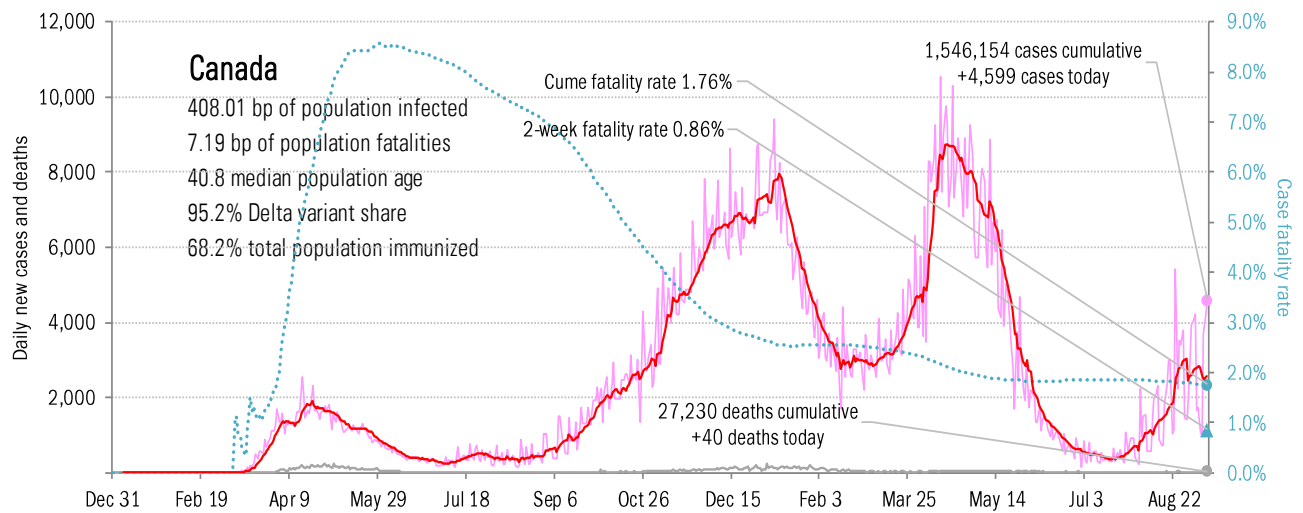
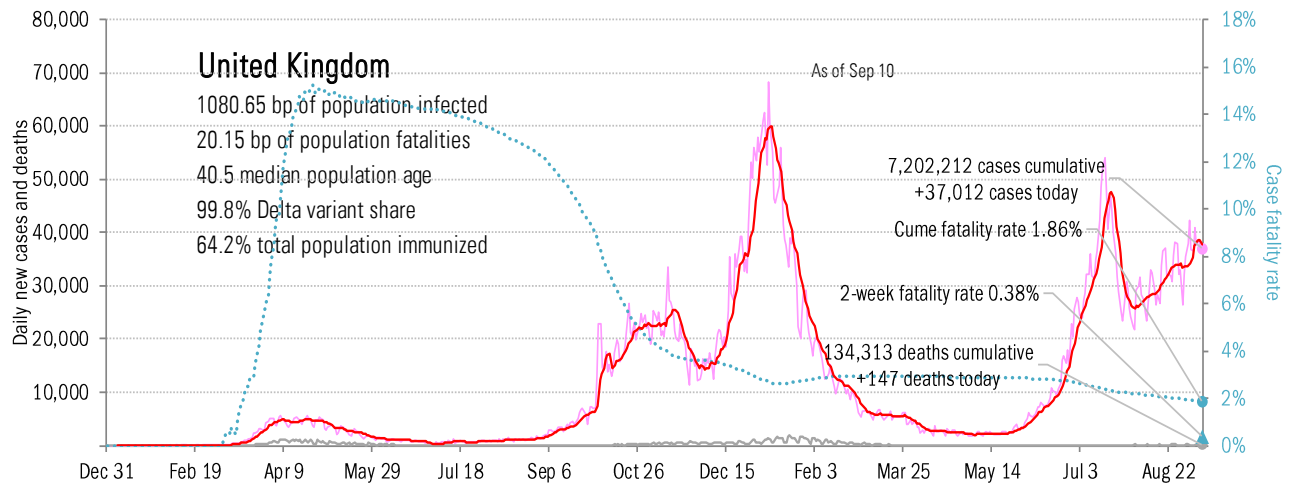
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

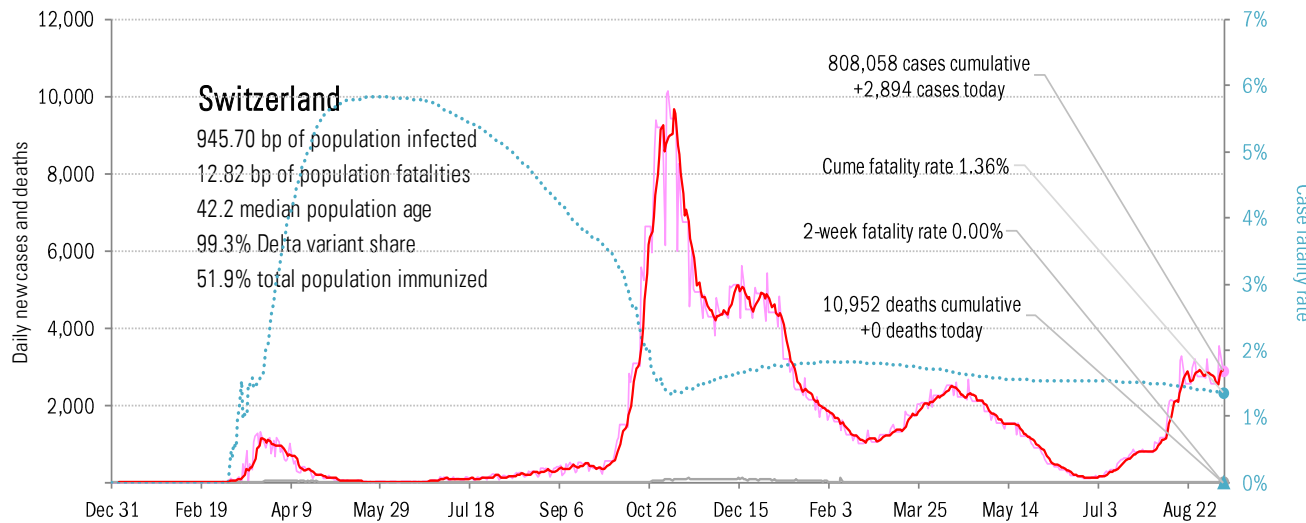
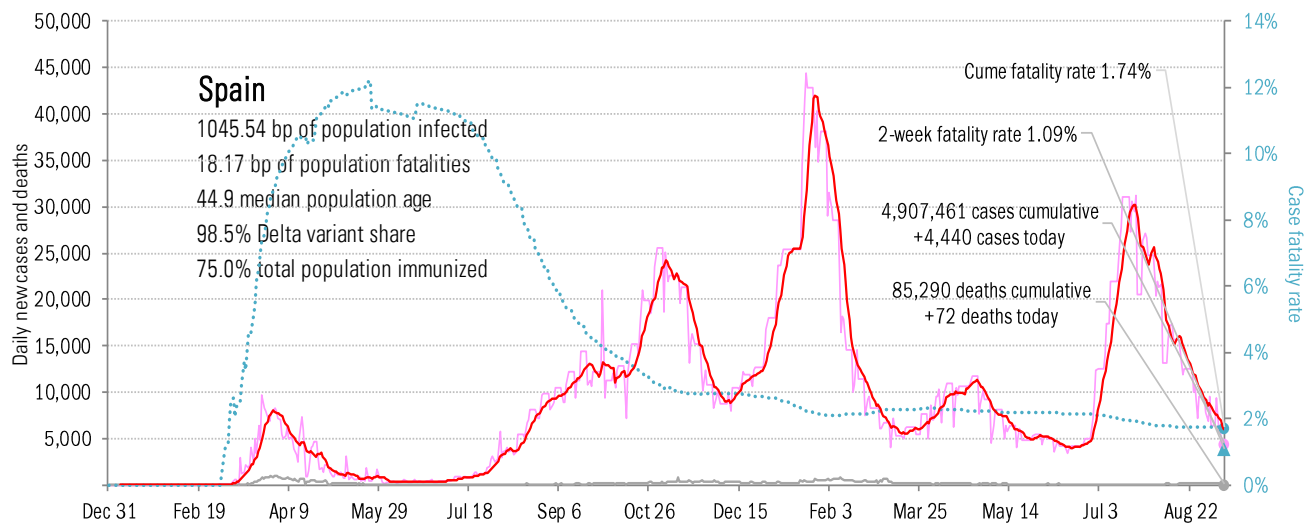
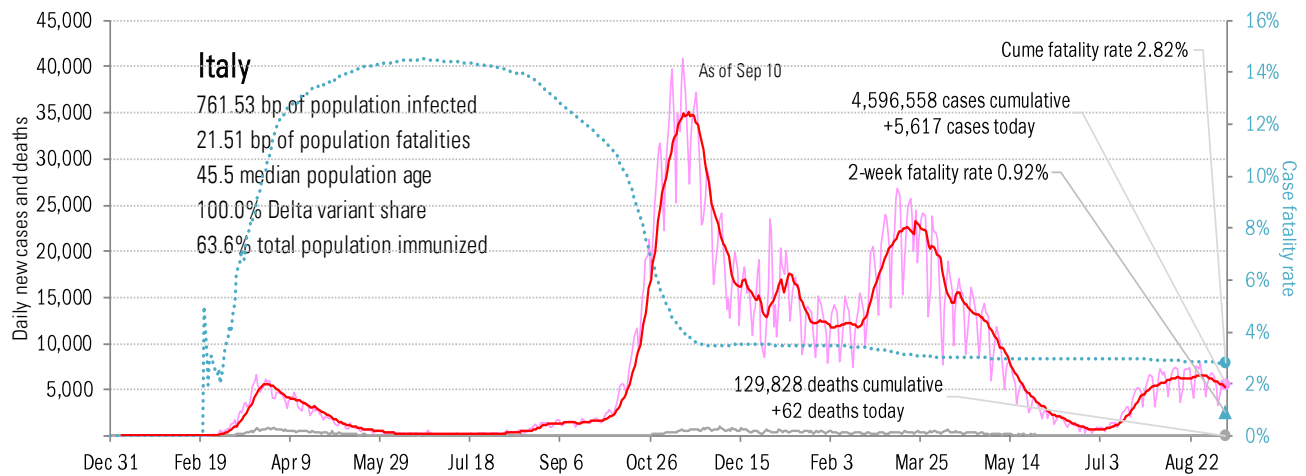
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

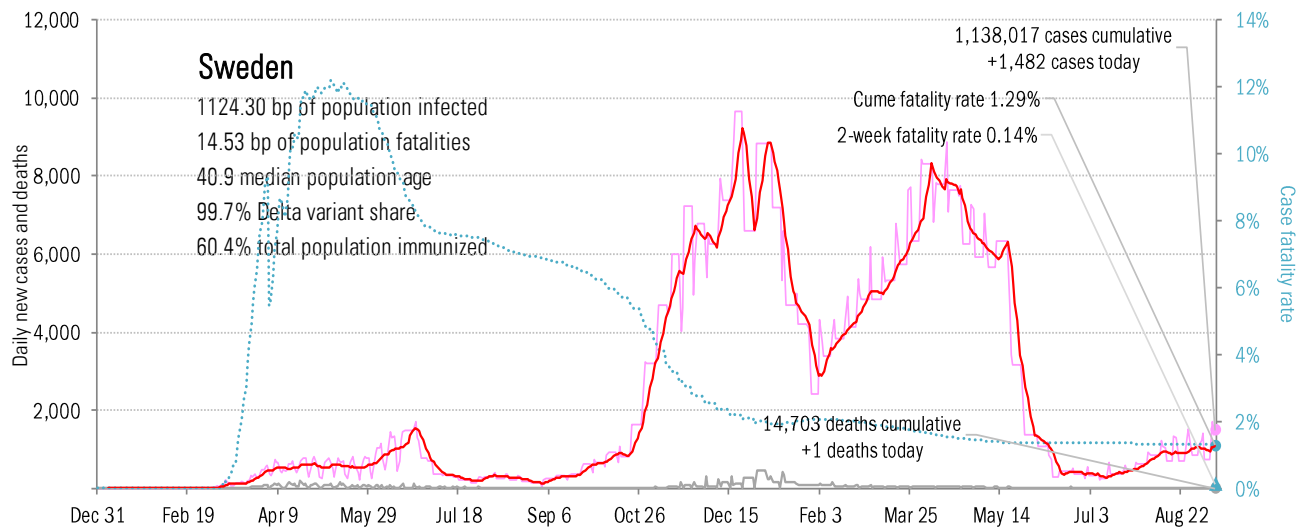
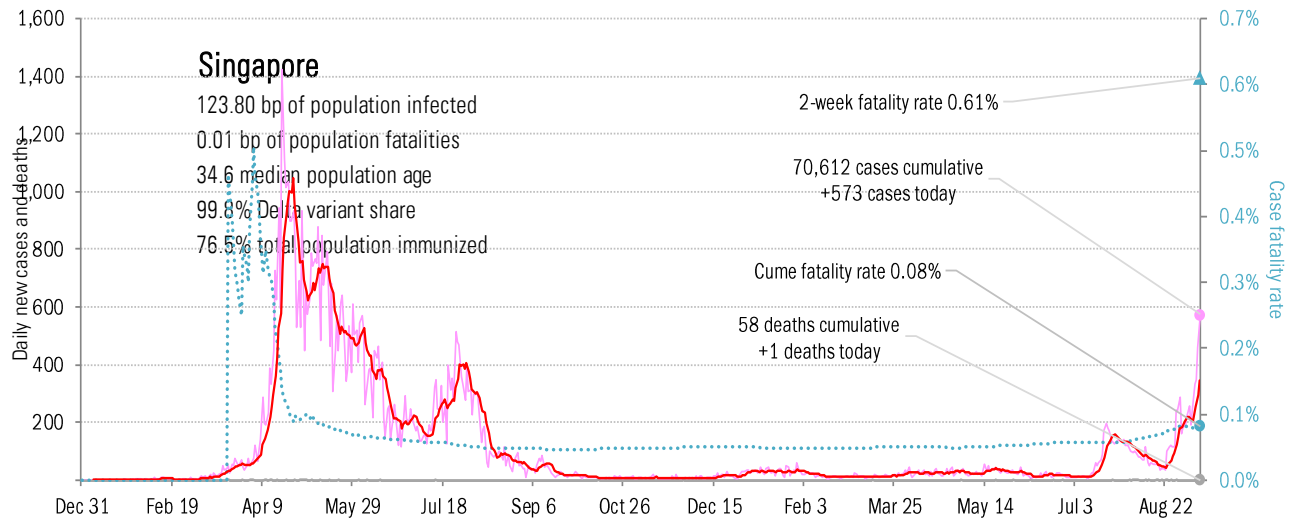
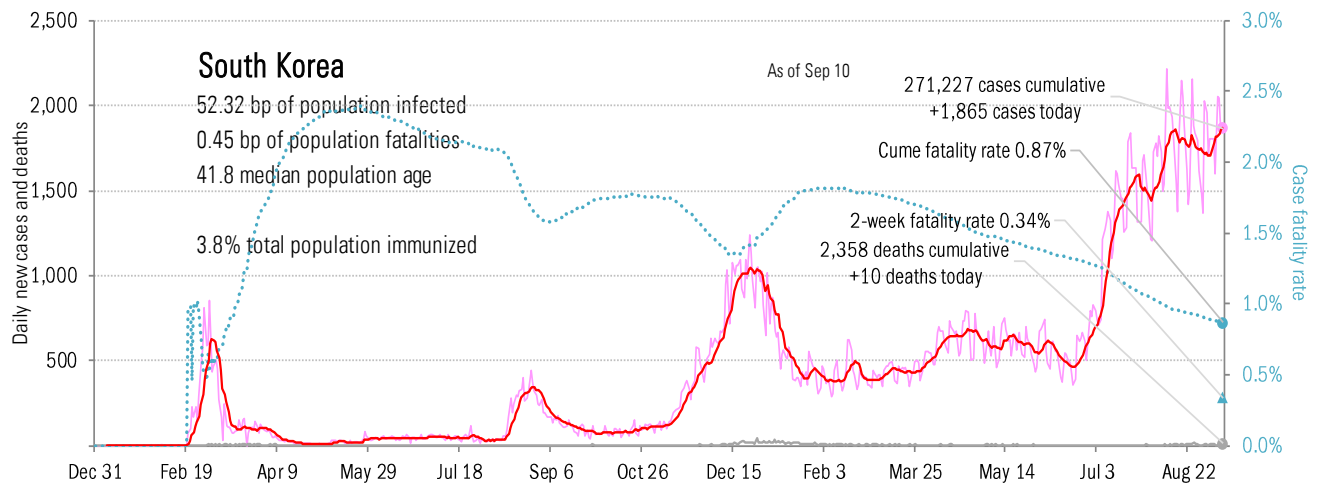
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

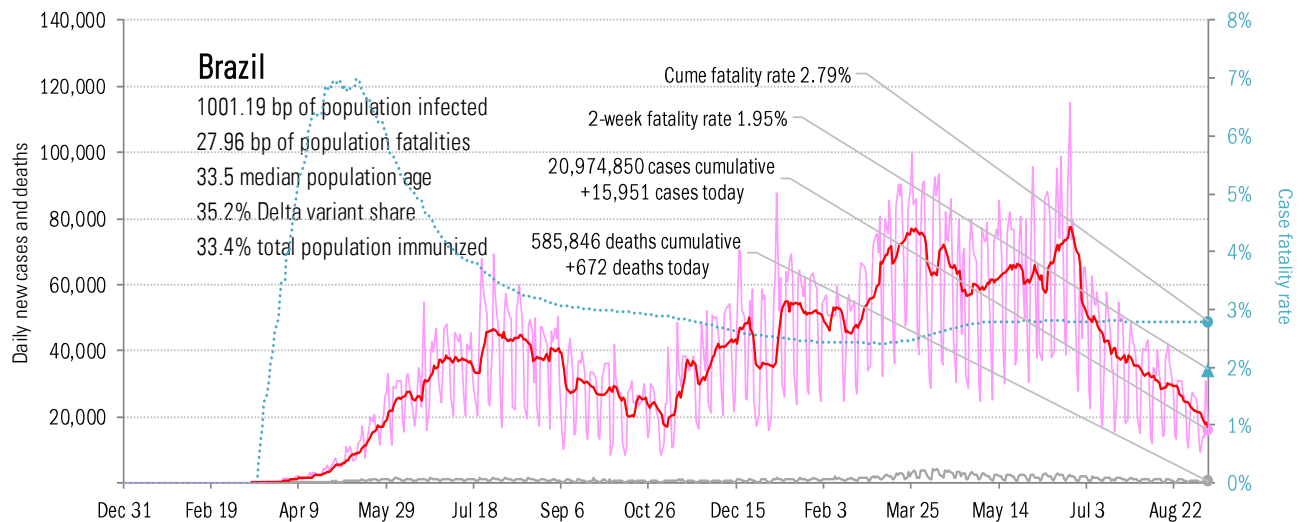
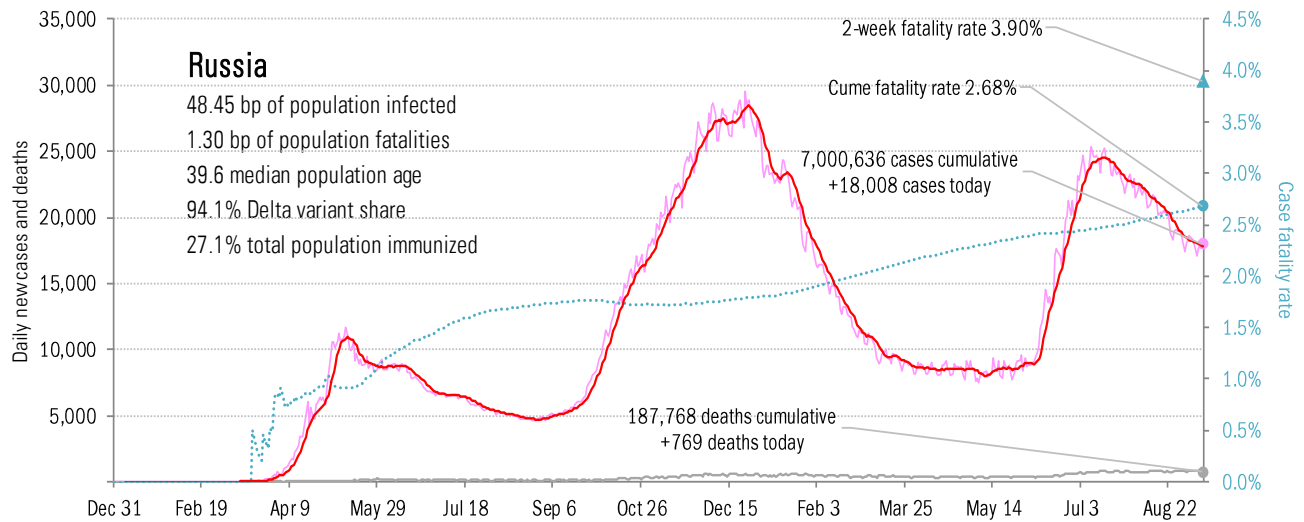
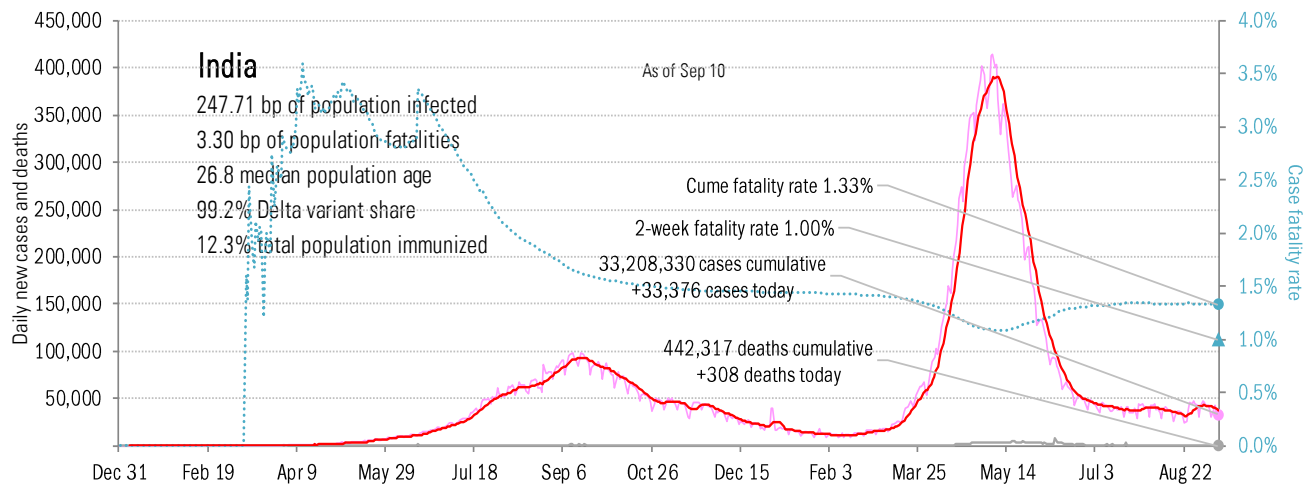
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

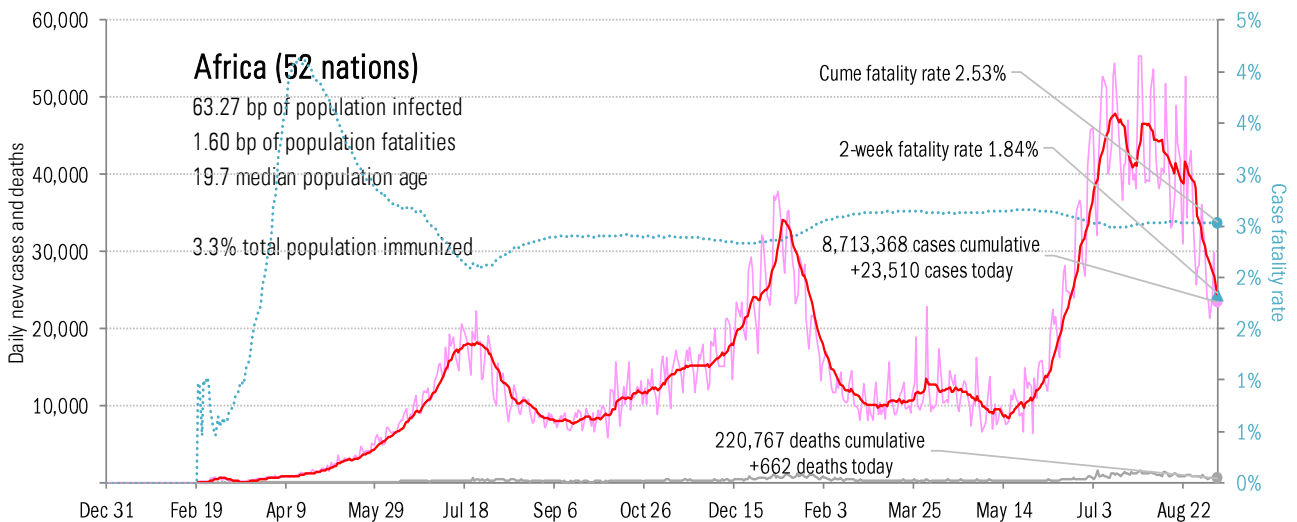
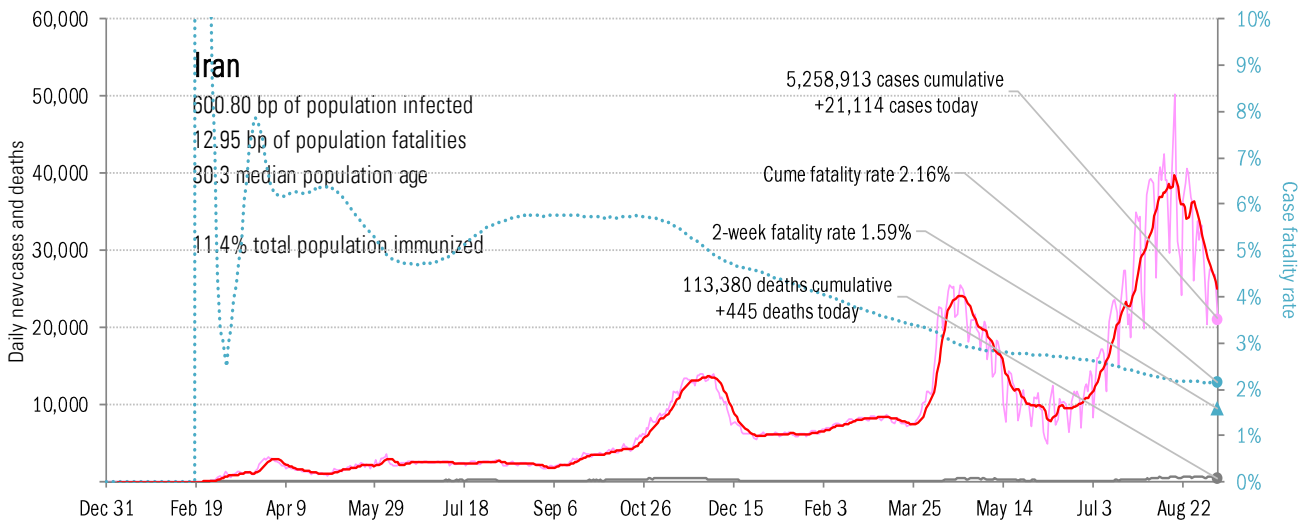
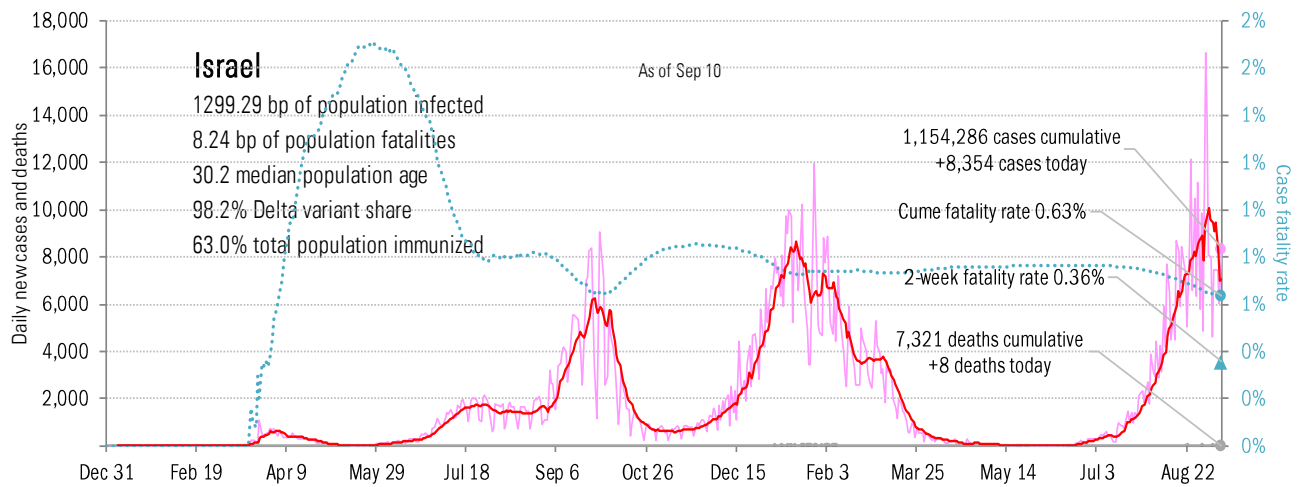
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

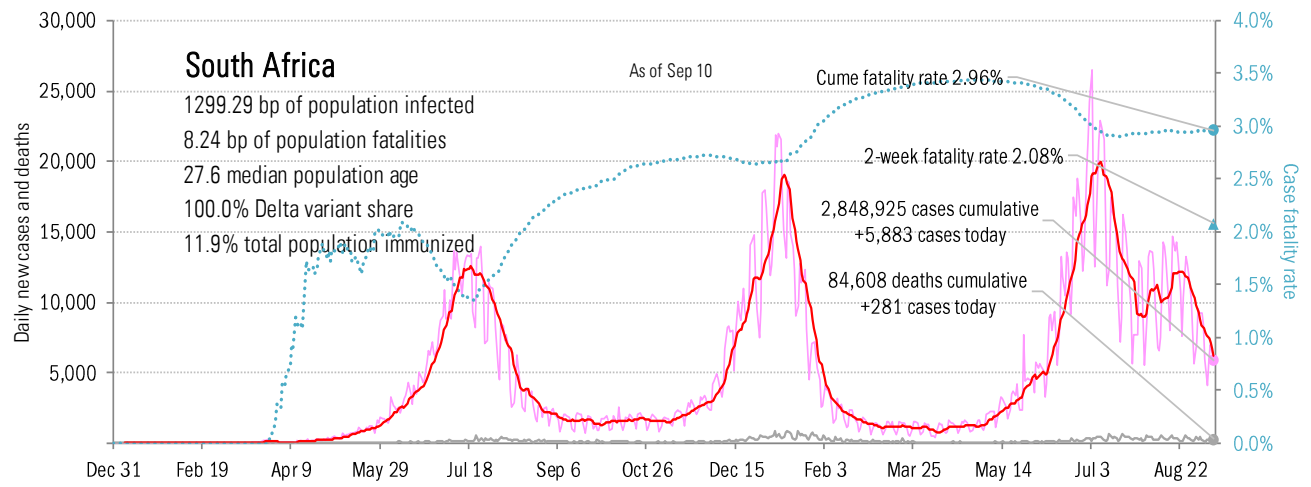
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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