

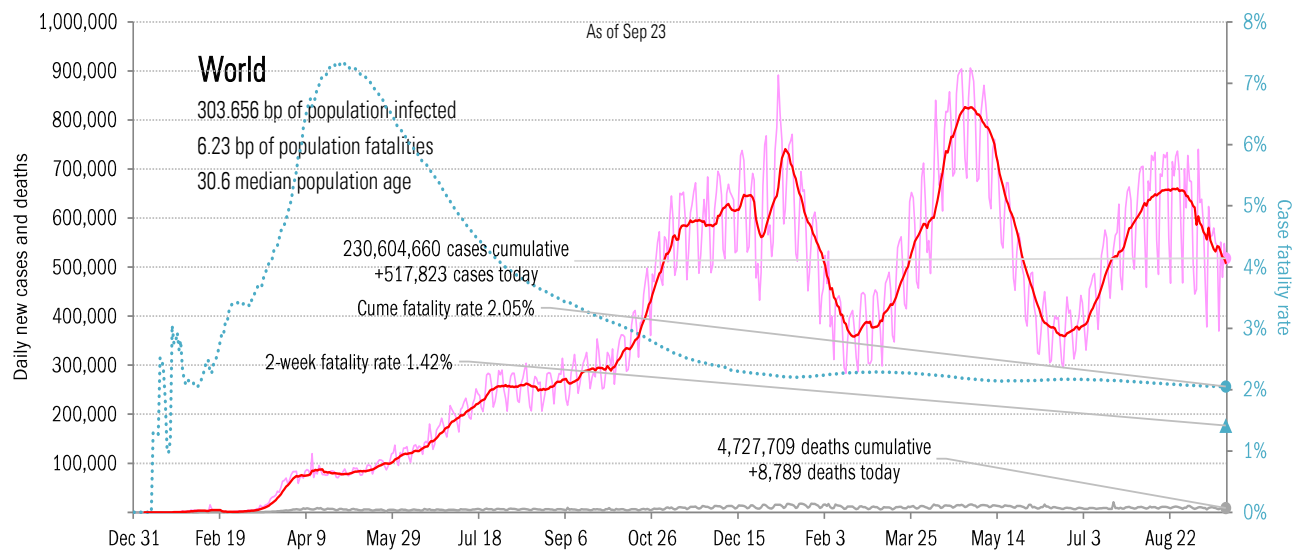
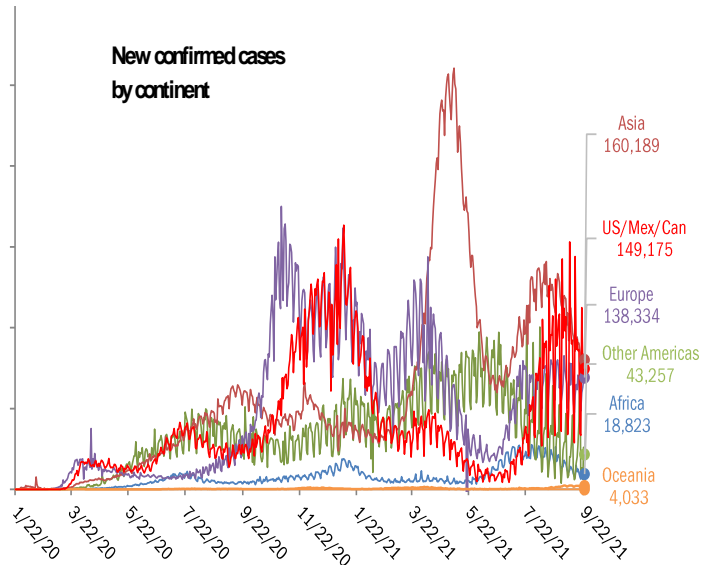
Data Insights: Covid-2019 Monitor

Friday, September 24, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+132,743	United States	+2,272
United Kingdom	+35,847	Russia	+802
India	+31,382	Mexico	+748
Turkey	+27,844	Brazil	+648
Brazil	+24,611	India	+318
Russia	+21,023	Iran	+317
Philippines	+17,334	Vietnam	+236
Iran	+16,362	Turkey	+217
Malaysia	+13,754	United Kingdom	+195
Thailand	+13,256	Philippines	+177
+334,156		+5,930	
World +517,823		World +8,789	
Top ten 65%		Top ten 67%	



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

The US scorecard

Cases: 7-day average and daily Deaths: Daily

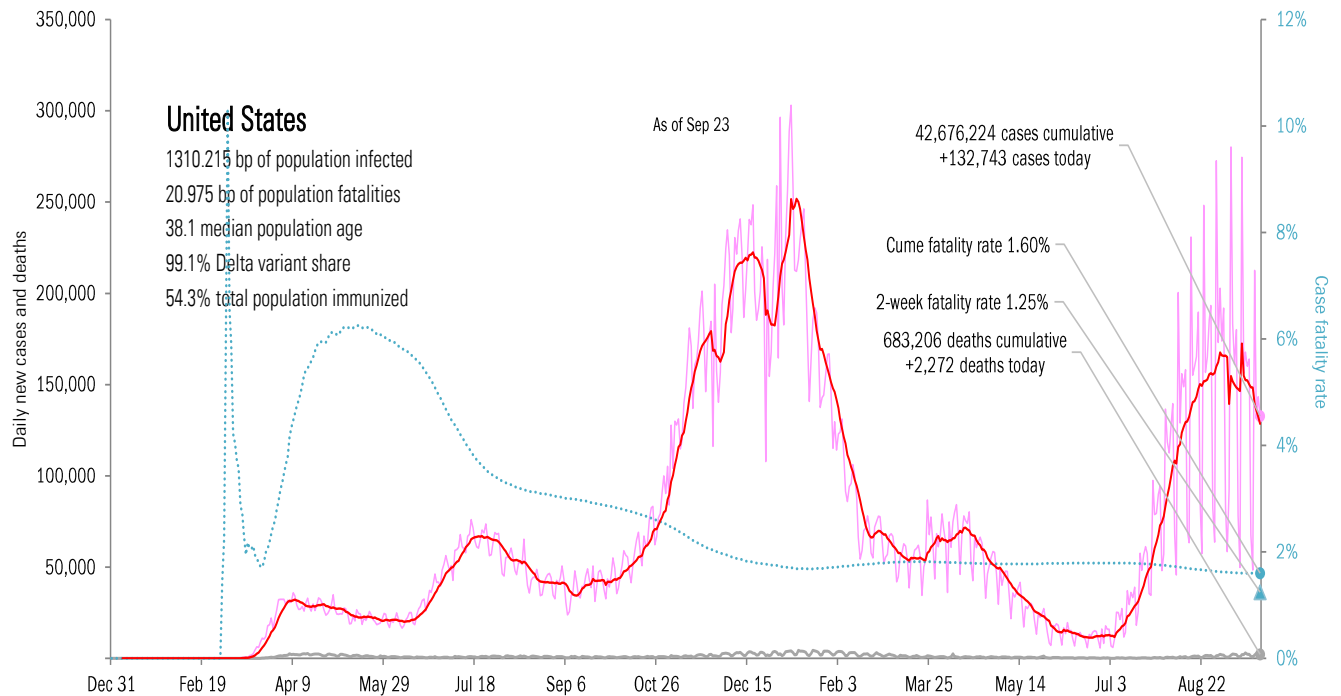
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+11,403		TX	+452		PA	+73		CA	4,669,109		CA	68,380		TX	351,734		RI	89%	AL	98%
CA	+10,047		FL	+328		WV	+53		TX	3,994,501		TX	63,253		FL	303,698		MA	89%	GA	97%
FL	+8,227		GA	+205		WI	+22		FL	3,535,448		NY	55,066		CA	294,498		GA	87%	TX	95%
CH	+7,475		CA	+141		MI	+20		NY	2,392,060		FL	51,962		NY	153,793		SC	86%	OK	91%
NC	+5,953		AL	+133		NH	+9		IL	1,608,825		PA	29,030		GA	149,116		PA	86%	ID	91%
PA	+5,489		NC	+71		IL	+8		GA	1,553,236		NJ	27,288		CH	108,294		MD	85%	KY	90%
NY	+5,052		AZ	+69		KS	+8		PA	1,397,755		IL	27,176		KY	104,959		MO	83%	AR	90%
GA	+4,553		TN	+63		MN	+6		CH	1,373,275		GA	25,338		PA	104,482		MN	82%	MS	86%
KY	+4,090		WA	+61		ID	+5		NC	1,362,938		MI	22,127		IL	98,416		DC	82%	FL	86%
WA	+4,089		VA	+54		ME	+5		TN	1,203,930		CH	21,596		MI	81,939		CT	82%	RI	86%
+66,378			+1,577			+209			23,091,077			391,216			1,750,929						
All states	+132,743		+2,272			-1165			All states	42,676,224		683,206			3,107,323			All states	70%	67%	
Top ten	50%		69%			-18%			Top ten	54%		57%			56%			Median	78%	82%	

Some states not reporting

Five most improved US states

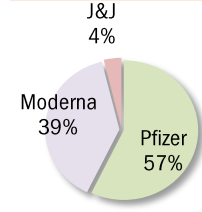
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-7,718	OK	-275	CH	-126	RI	+30 bp
TN	-5,293	TN	-165	NY	-63	AK	+20 bp
TX	-4,269	MI	-93	MT	-58	CA	+20 bp
KS	-2,462	IA	-82	NC	-50	FL	+20 bp
IA	-2,305	AL	-72	OK	-44	GA	+20 bp



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	US	
	398,749,437				+0.356 million	54.3%	63.2%
Total population	217,742,013	65%	187,177,071	56%	+0.209 million	UK	65.4%
Age 12 to 17	13,489,254	57%	10,881,160	46%	+0.035 million	France	63.7%
Age 18 to 64	150,501,802	74%	128,447,201	63%	+0.148 million	Spain	77.6%
Age 65 and over	52,689,206	96%	46,980,981	86%	+0.024 million	Germany	63.2%
						Italy	66.6%
						Australia	39.5%
						Israel	63.8%
						Canada	69.9%
						Japan	56.1%
						Africa	4.2%
						India	15.5%
						Brazil	39.2%
						China	70.8%



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



Every American >18 immune in **265 days** by Jun 14, 2022
 67.9% of population >18 immunized
 14.5% previously tested positive
82.5% vs 60% adult herd immunity

AK
56.8%
49.7%

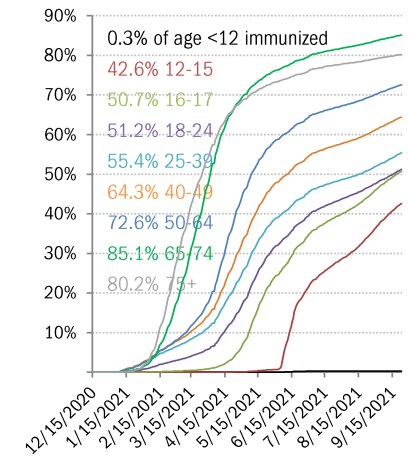
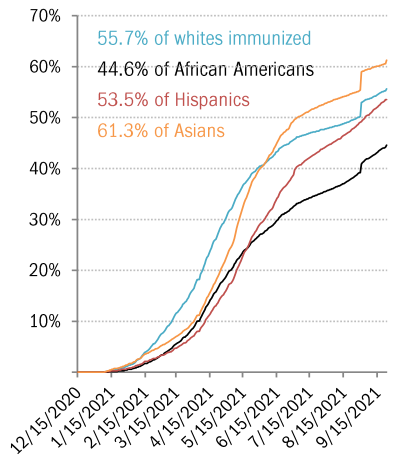
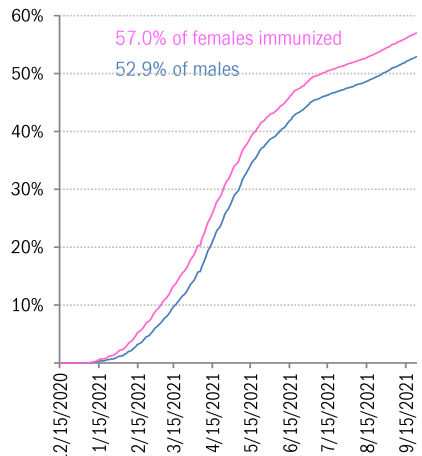
WI
60.6%
55.9%

ME
73.6%
68.0%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
66.7%	46.5%	54.3%	50.5%	63.2%	67.9%	56.6%	70.4%	77.3%	69.0%	
60.2%	41.1%	48.1%	43.5%	57.7%	53.0%	51.9%	63.0%	69.1%	61.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
66.1%	60.2%	47.9%	58.5%	57.7%	51.8%	53.8%	71.7%	72.0%	77.0%	
60.2%	50.2%	41.0%	51.1%	53.6%	48.0%	49.8%	57.3%	63.8%	67.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
71.2%	58.5%	65.1%	59.0%	54.4%	60.0%	47.9%	67.8%	70.1%	75.6%	74.6%
58.4%	50.0%	58.9%	54.2%	47.3%	51.4%	40.2%	59.8%	63.6%	68.2%	67.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	58.9%	72.0%	59.3%	55.3%	52.2%	58.7%	54.6%	69.9%	65.8%	
	50.6%	62.5%	50.5%	45.0%	44.7%	49.0%	46.4%	59.5%	57.1%	
			OK	LA	MS	AL	GA			
			56.0%	51.3%	49.6%	52.1%	54.3%			
			46.9%	44.8%	42.6%	41.7%	44.6%			
			TX					FL		PR
			59.5%					66.4%		78.6%
			50.6%					56.5%		69.2%

HI
76.3%
57.3%

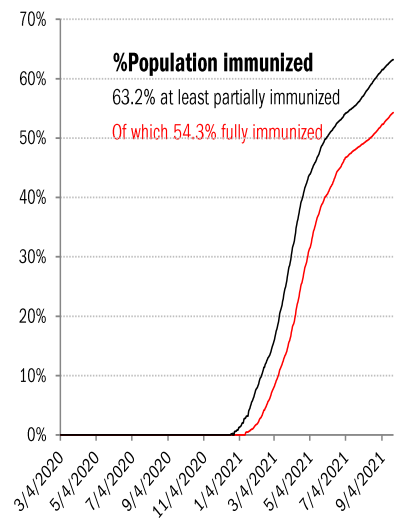
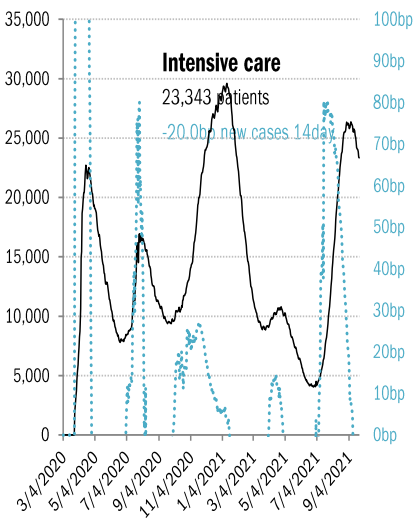
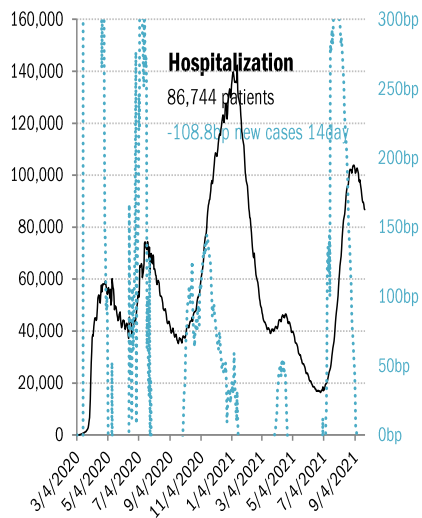
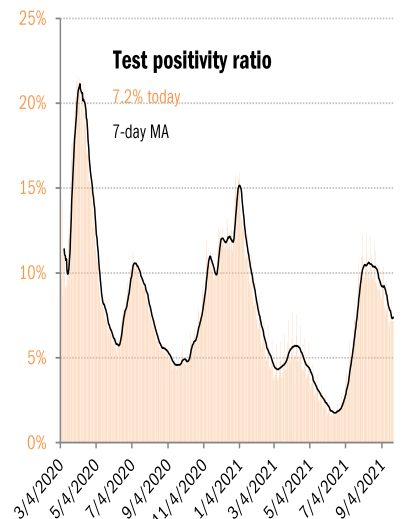
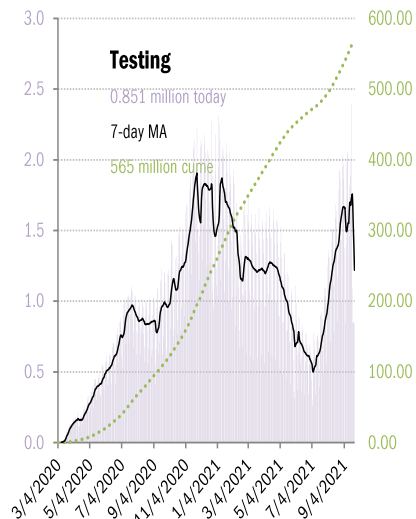
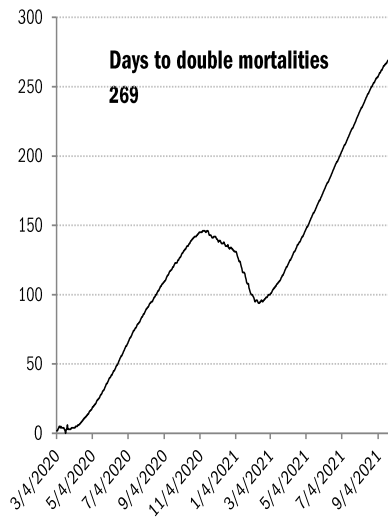
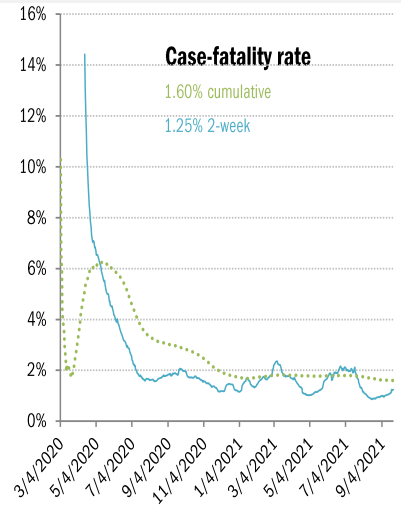
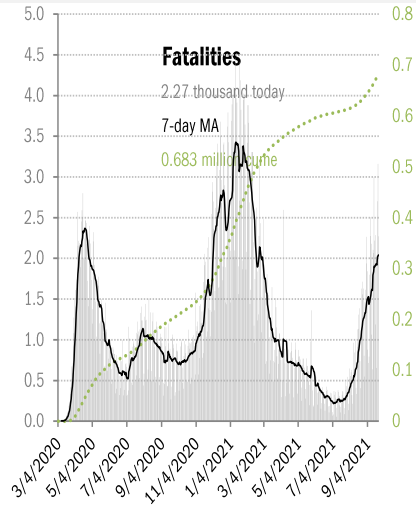
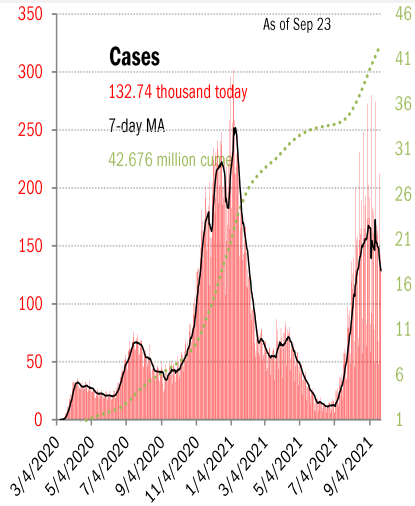
The demographics of US vaccination



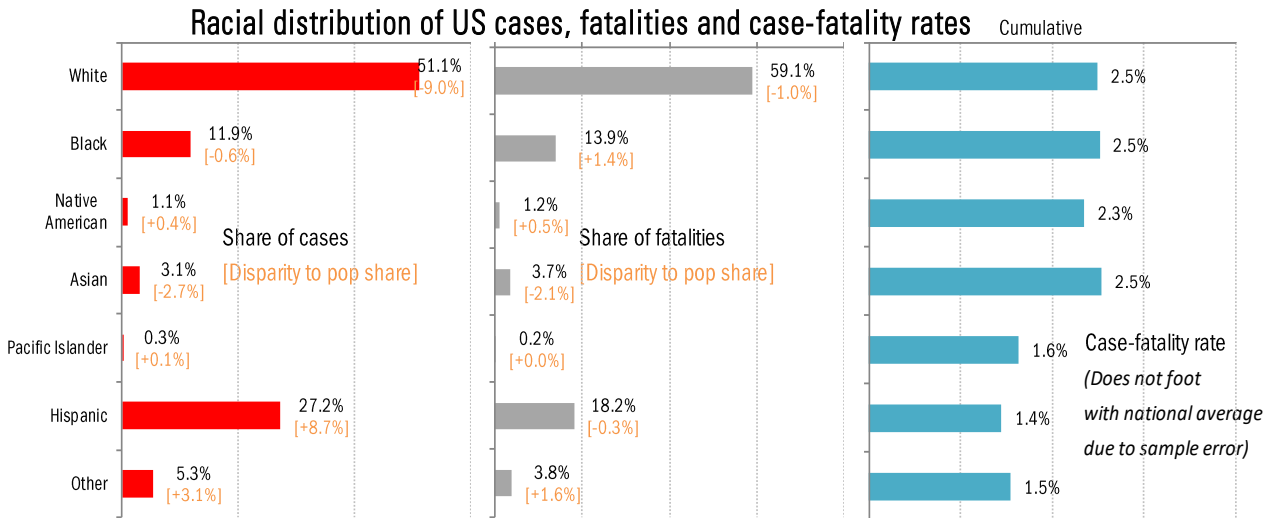
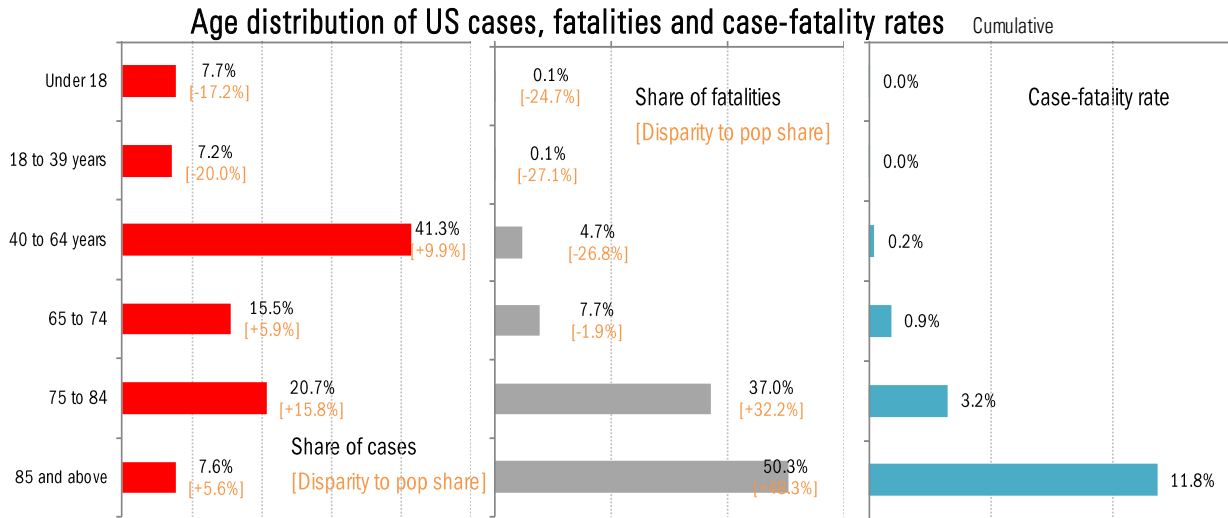
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

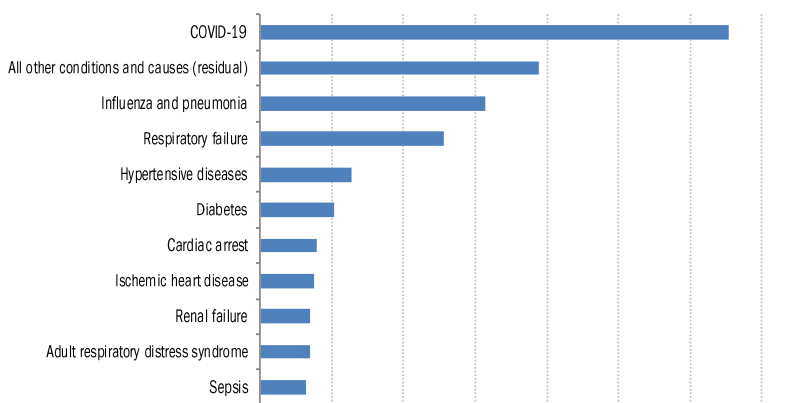


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Sep 12

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

[C.D.C. Chief Overrules Agency Panel and Recommends Pfizer-BioNTech Boosters for Workers at Risk](#)

Apoorva Mandavilli and Benjamin Mueller
New York Times
September 24, 2021

[Whitmer trailing GOP challenger by 6 points in Michigan governor race: poll](#)

Max Greenwood
The Hill
September 22, 2021

[CDC panel approves boosters for elderly, holds back on health care workers](#)

Lauren Gardner
Politico
September 23, 2021

[Gov. Whitmer agrees: No mask mandates in schools and no vaccine passports in Michigan](#)

Emma Colton
Fox News
September 22, 2021

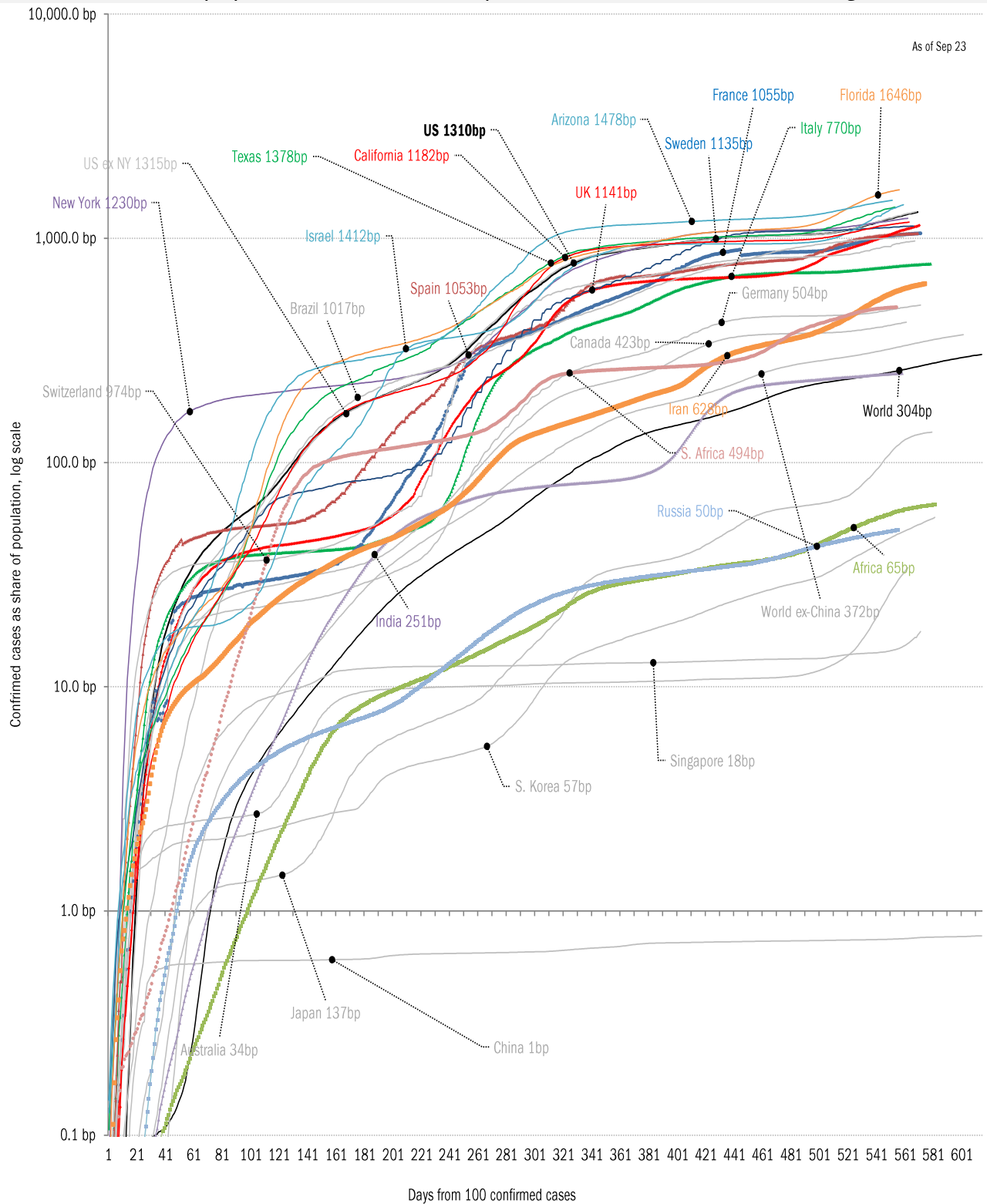
Meme of the day



@MADEbyJIMBOB

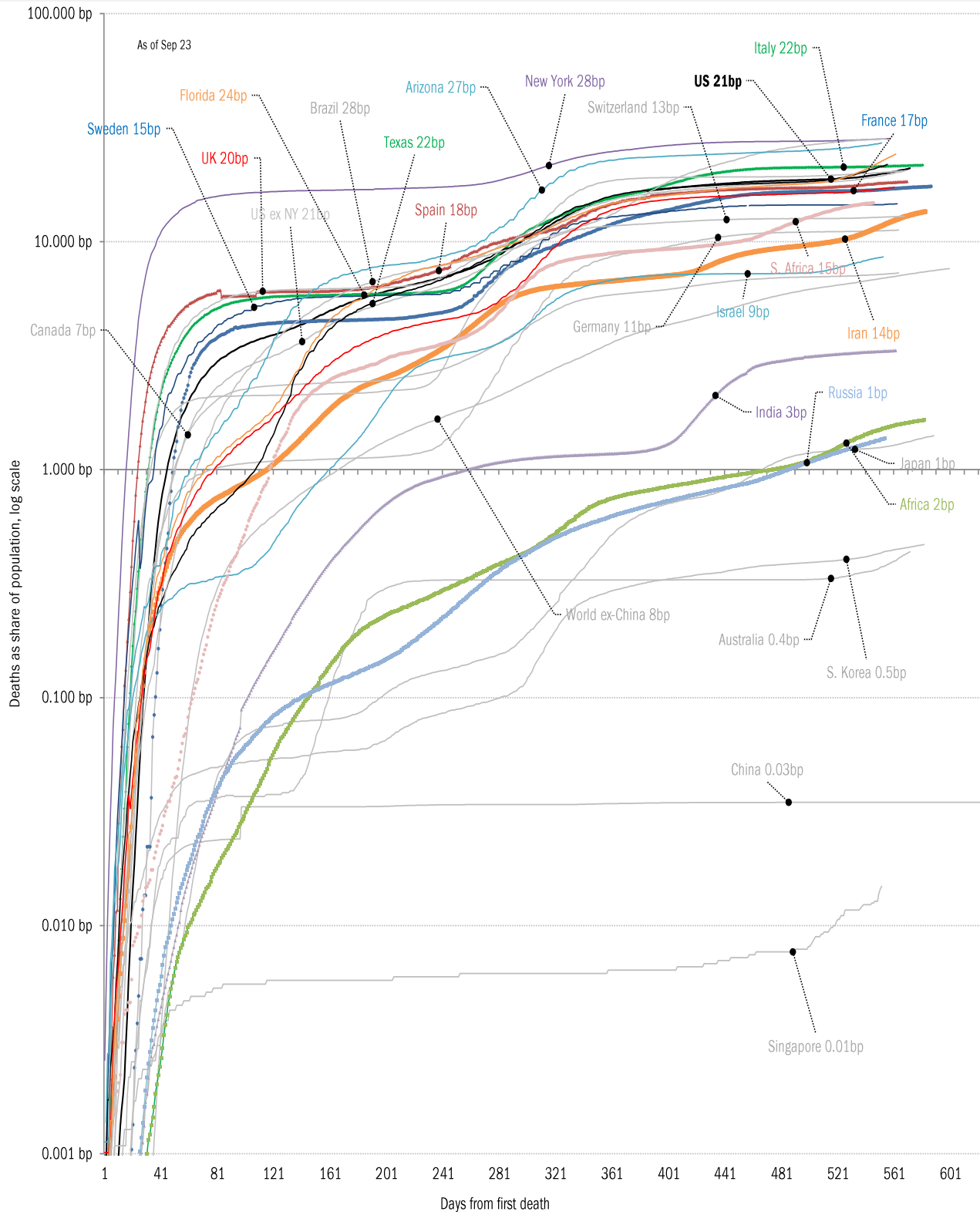
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

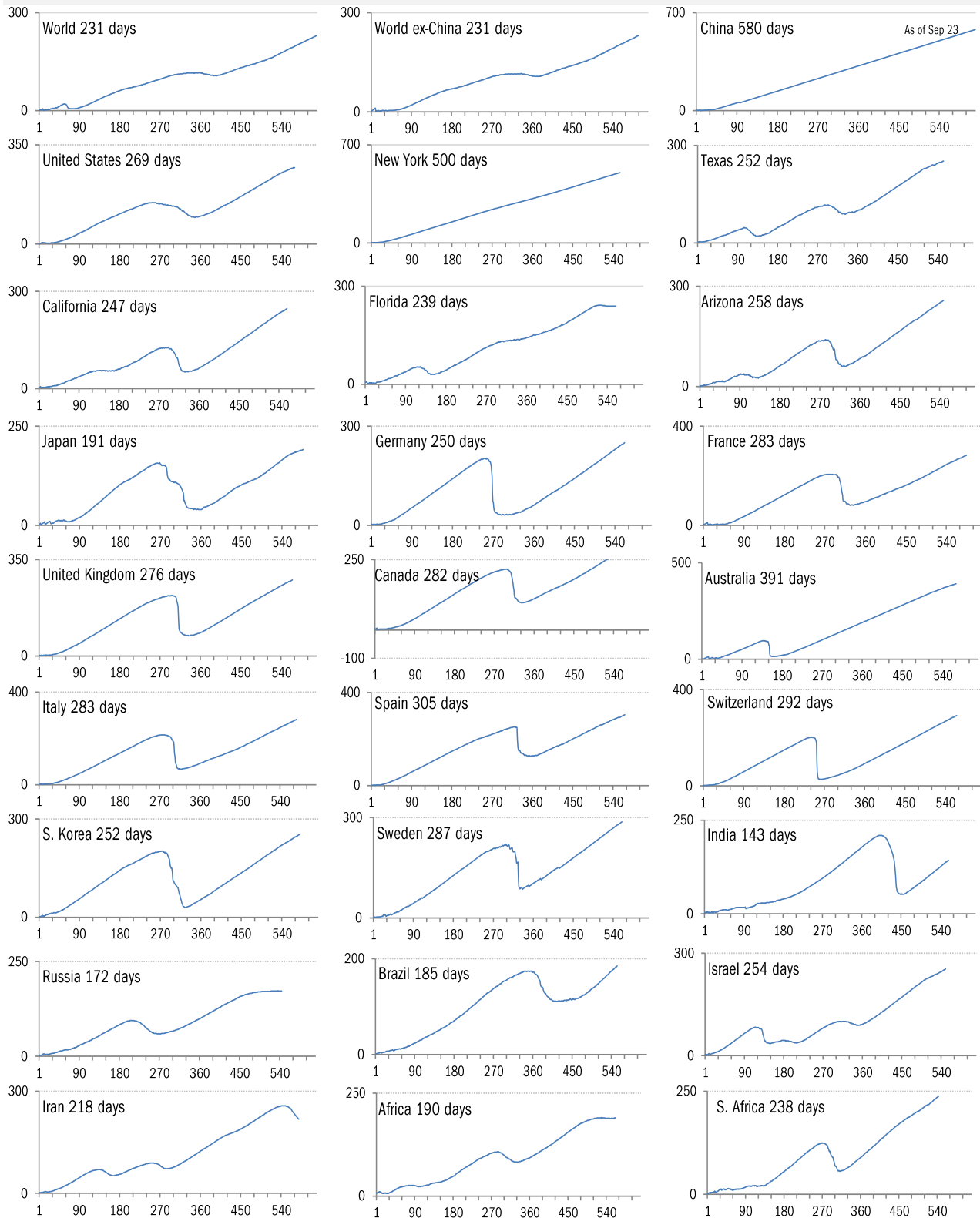


Source: [Johns Hopkins](#), TrendMacro calculations

"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

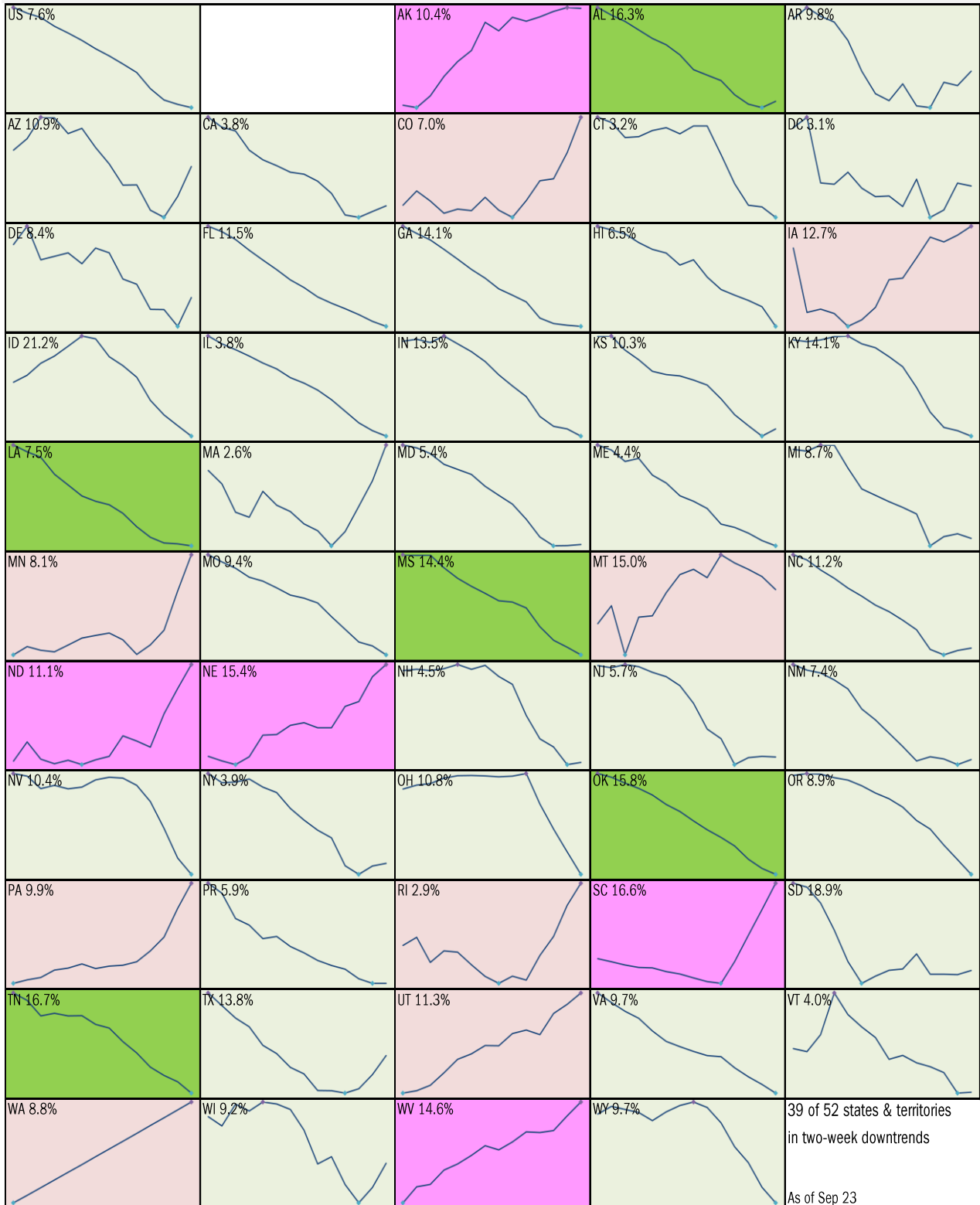


Source: [Johns Hopkins](#), TrendMacro calculations

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

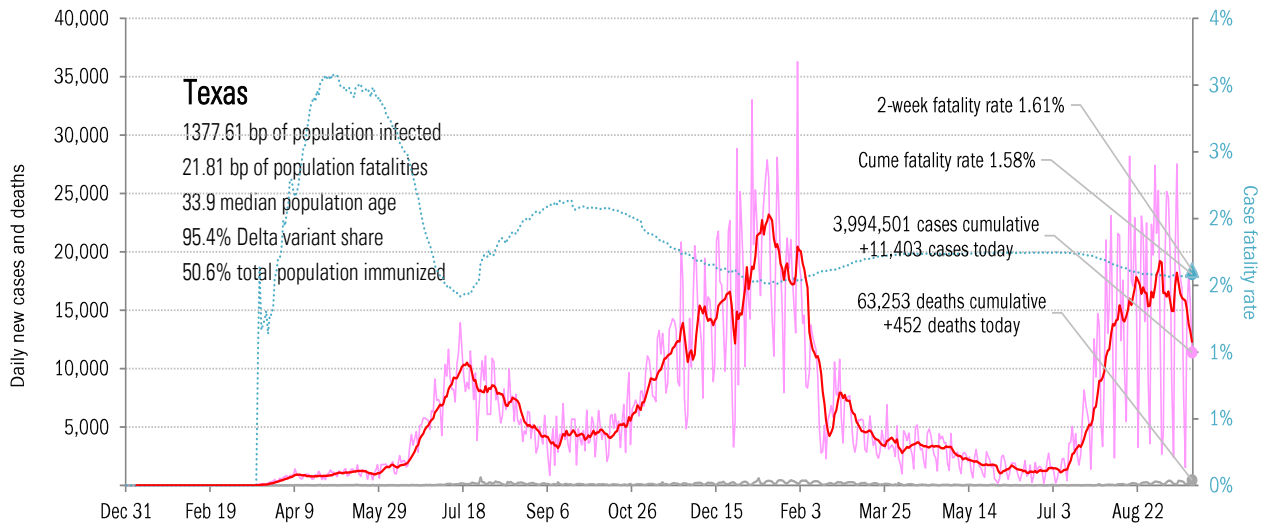
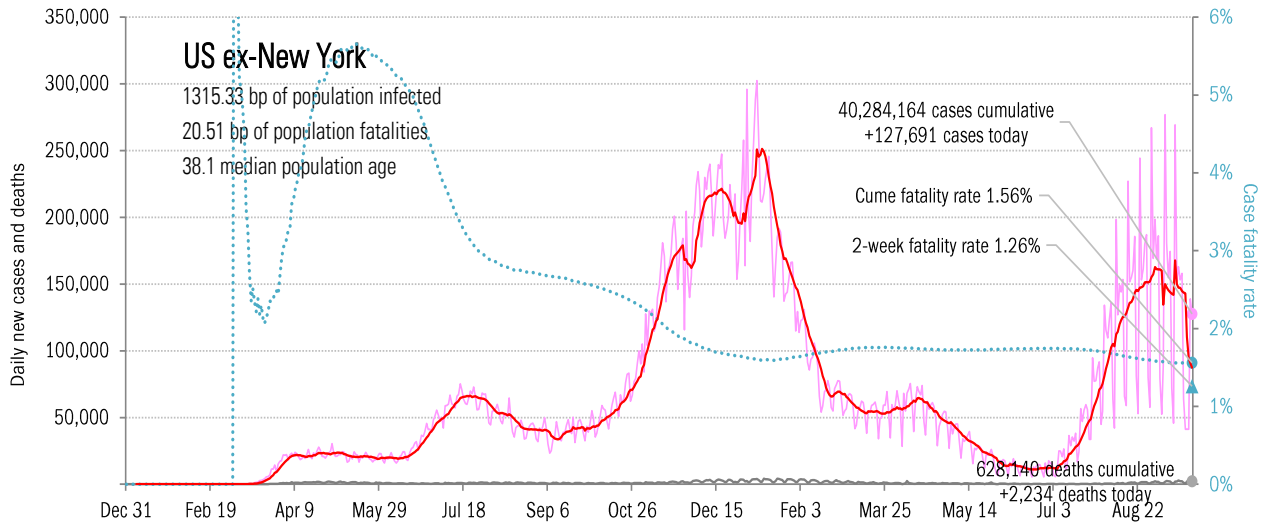
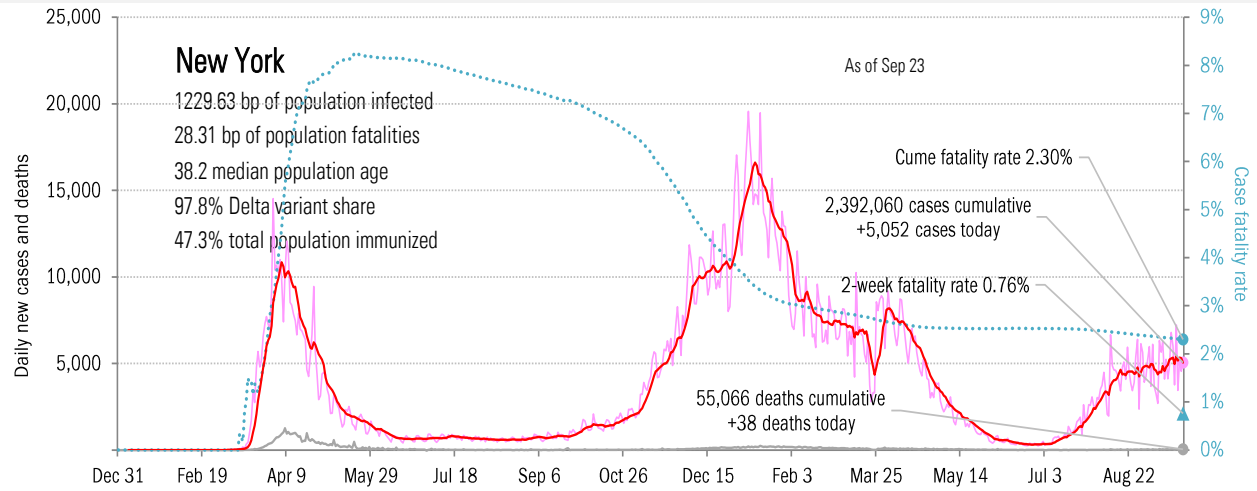
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

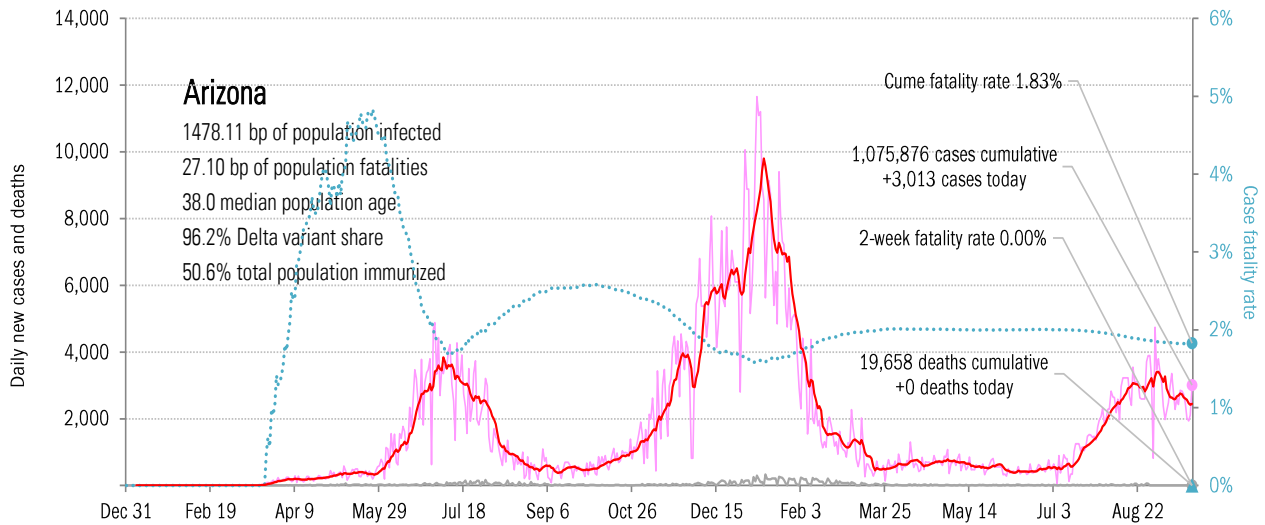
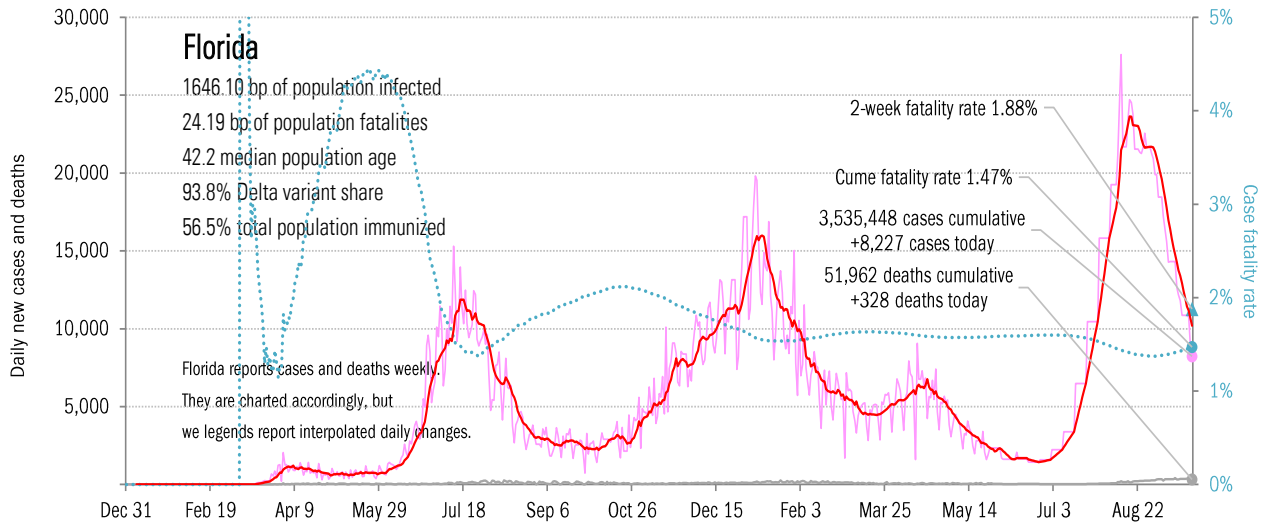
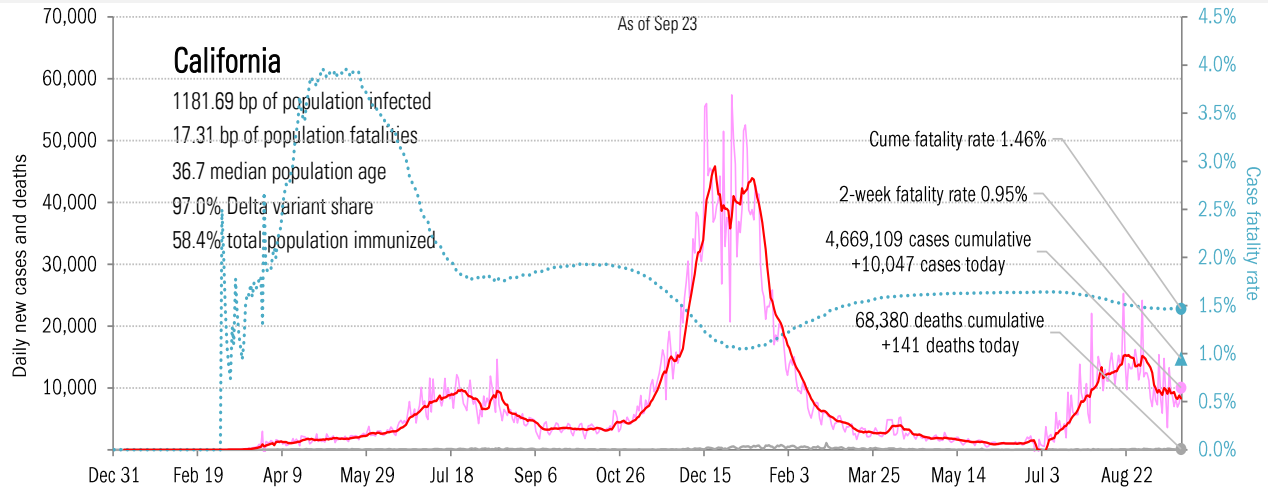
Cases: 7-day average and daily Deaths: Daily



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

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

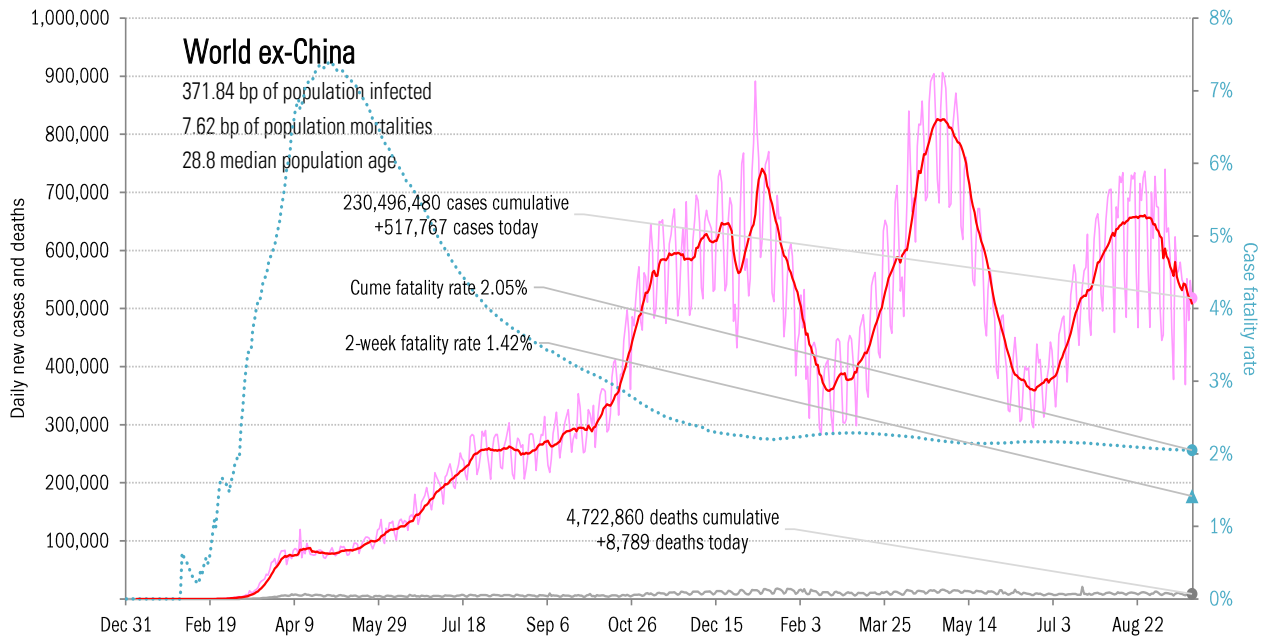
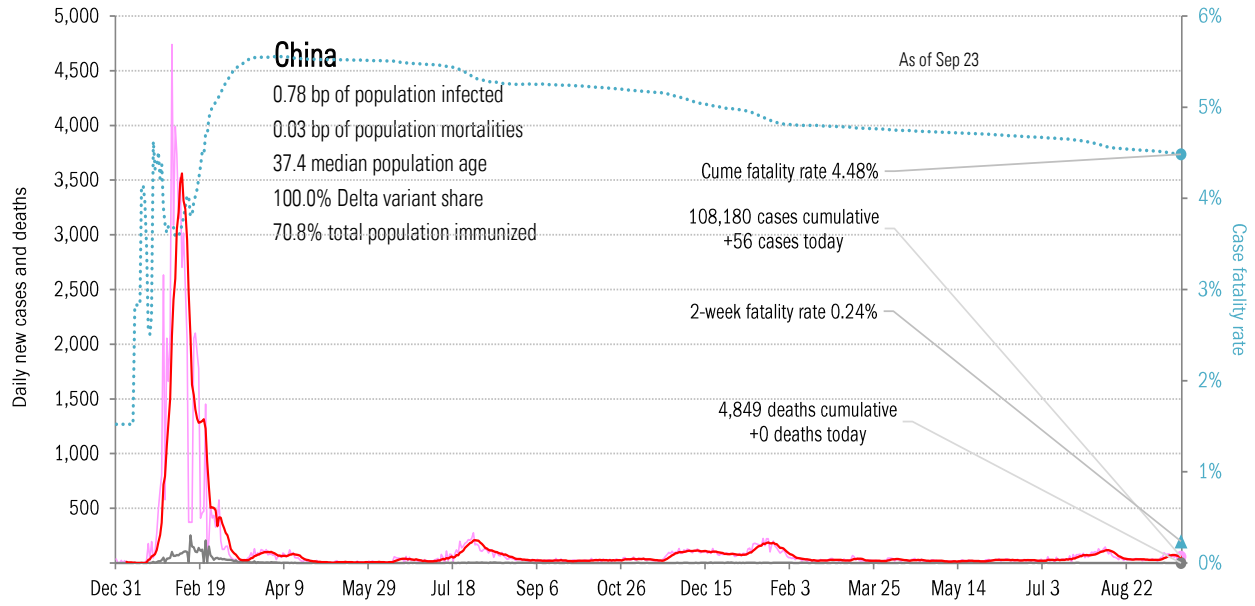
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

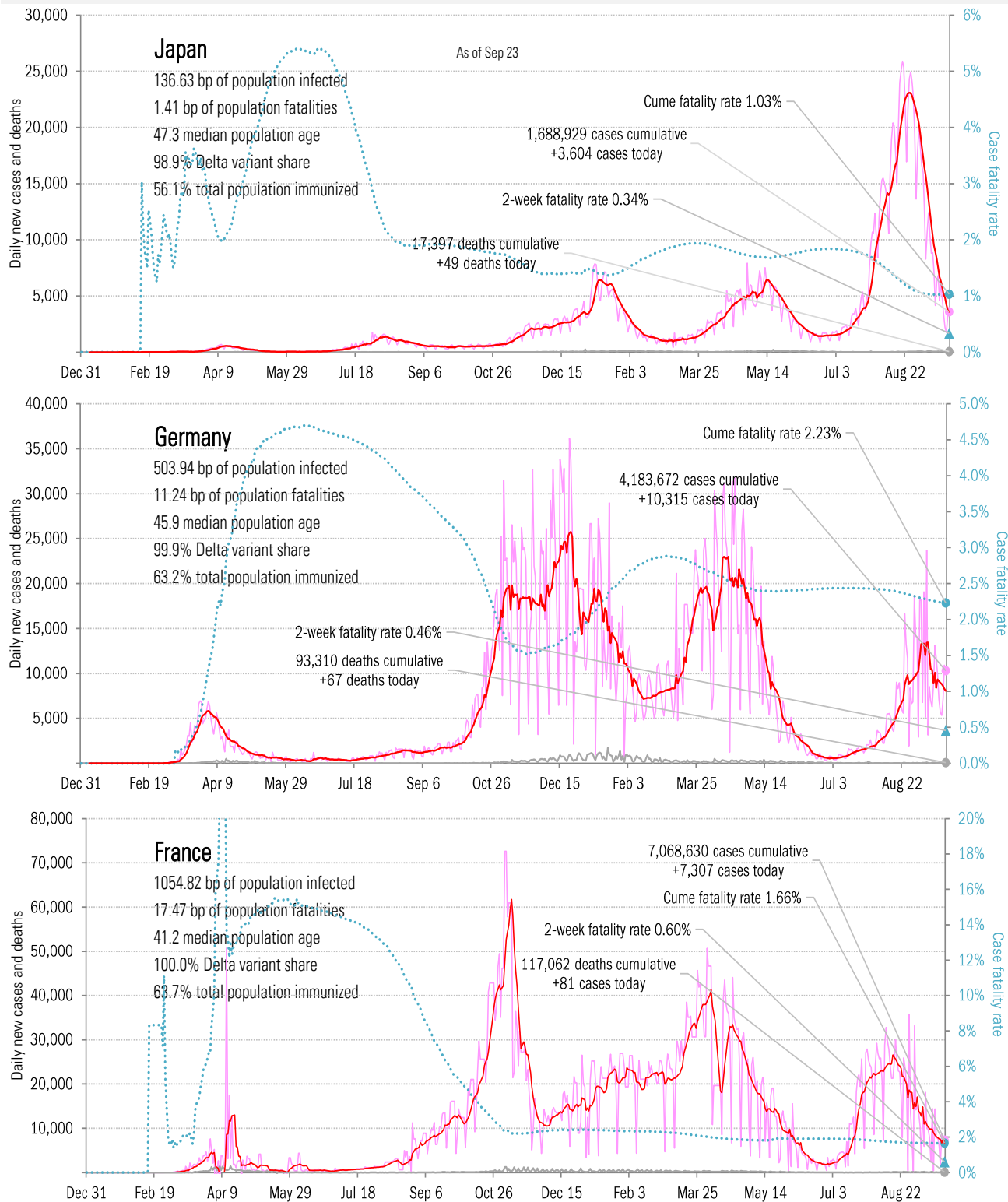
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

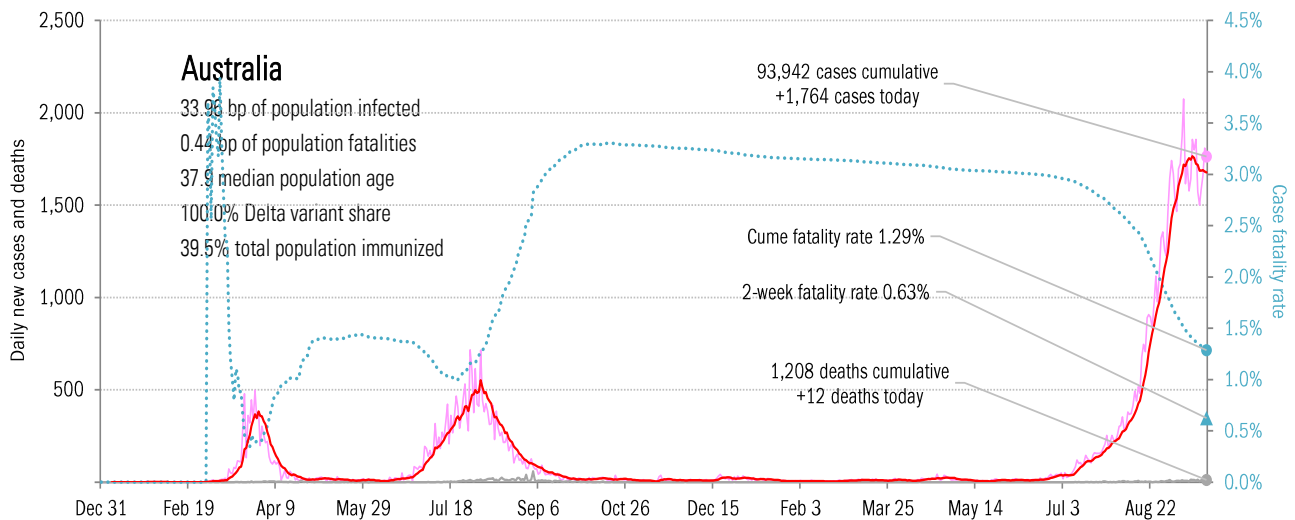
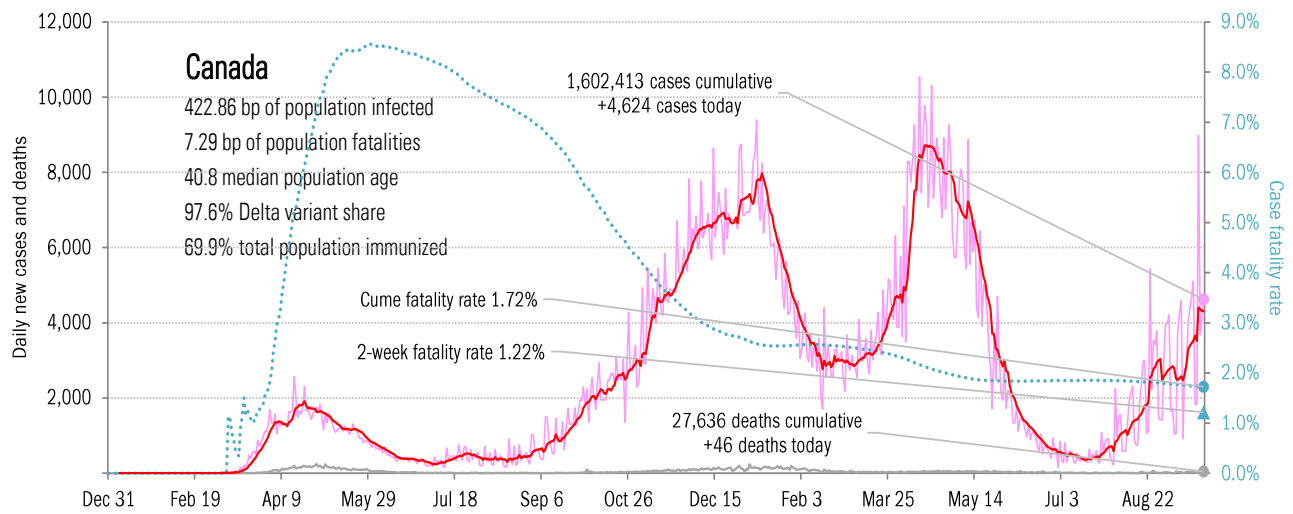
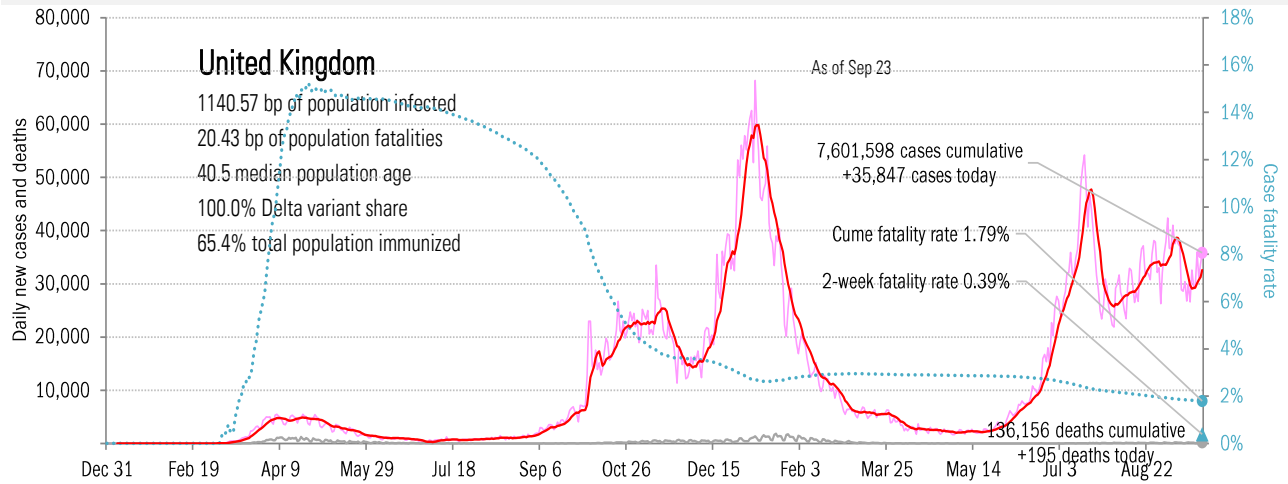
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

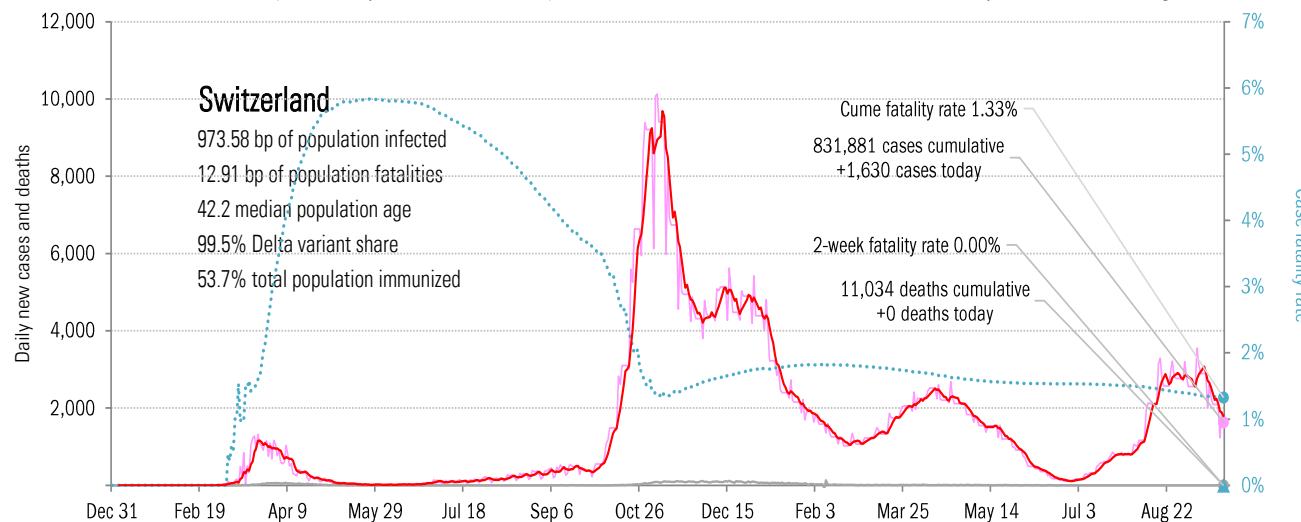
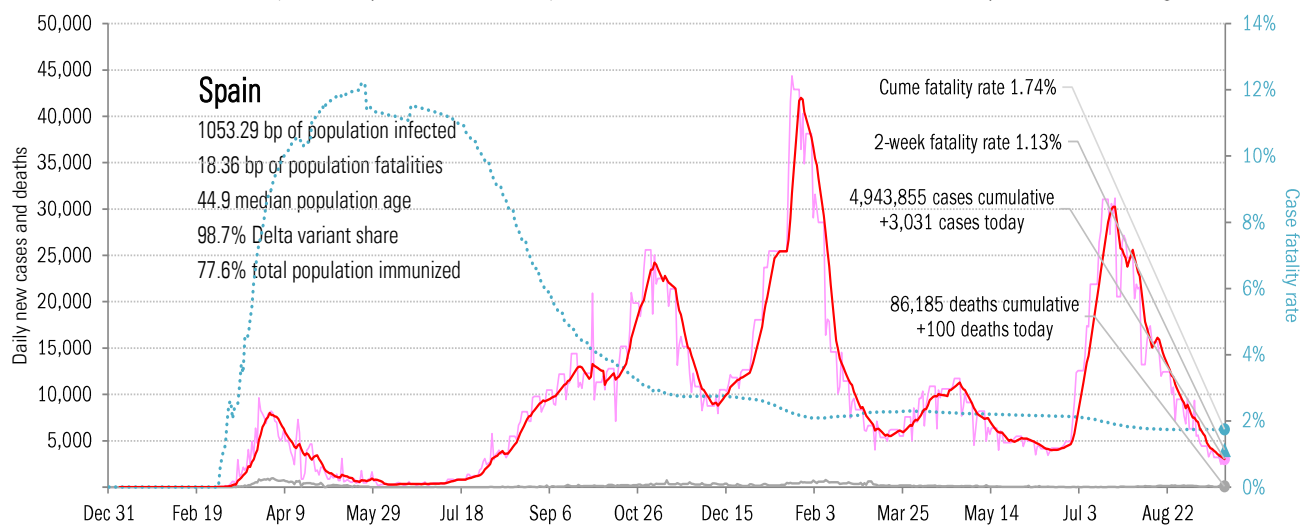
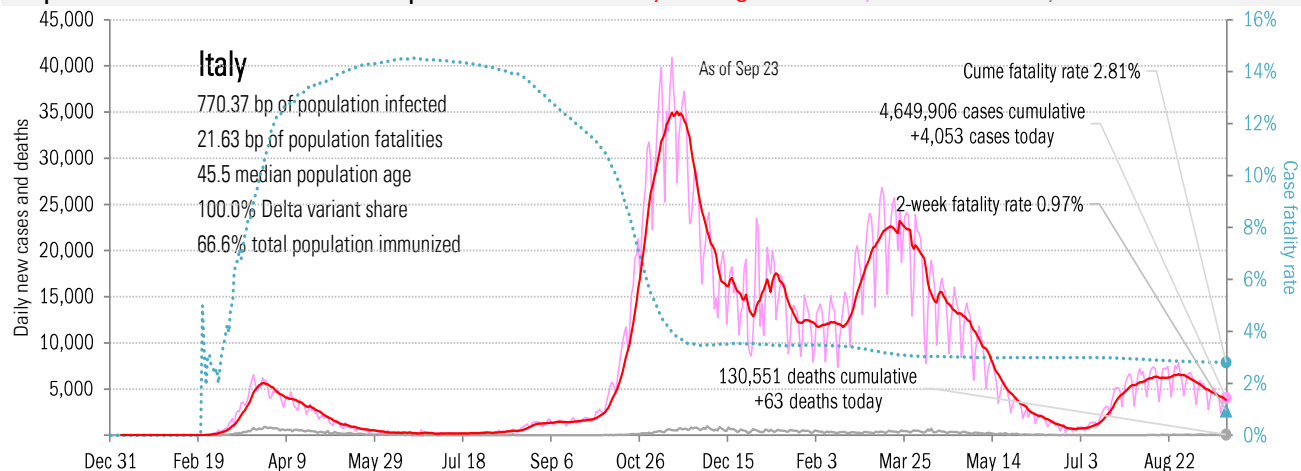
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

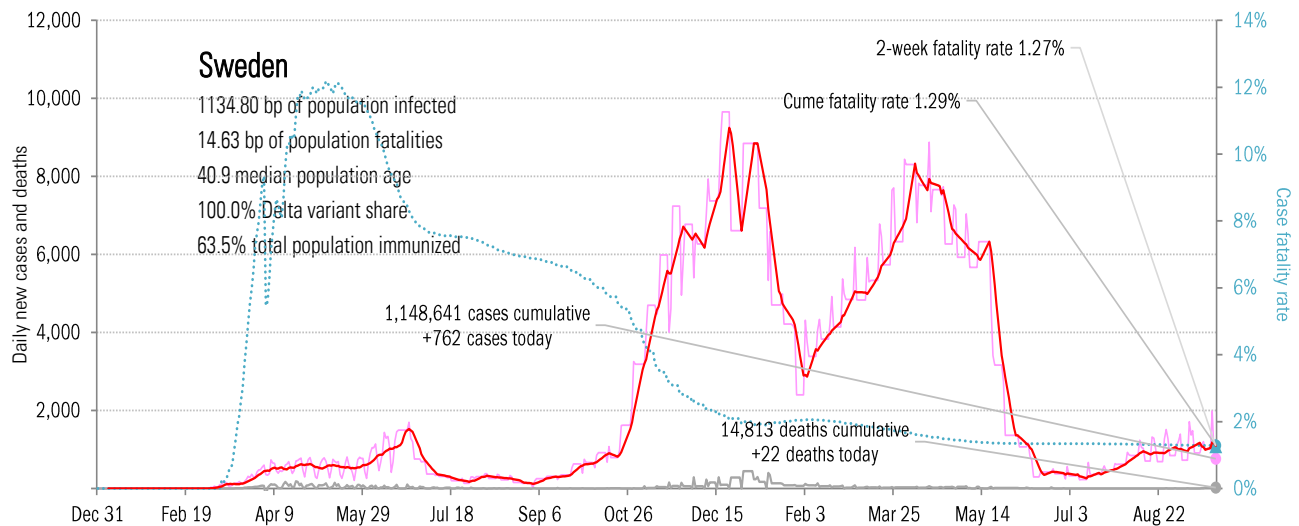
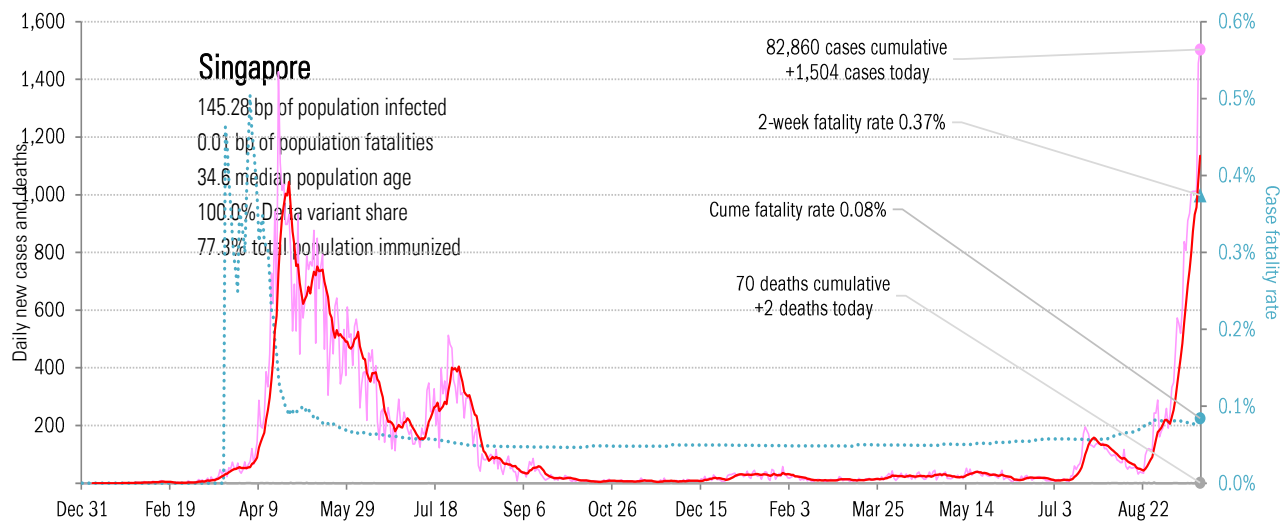
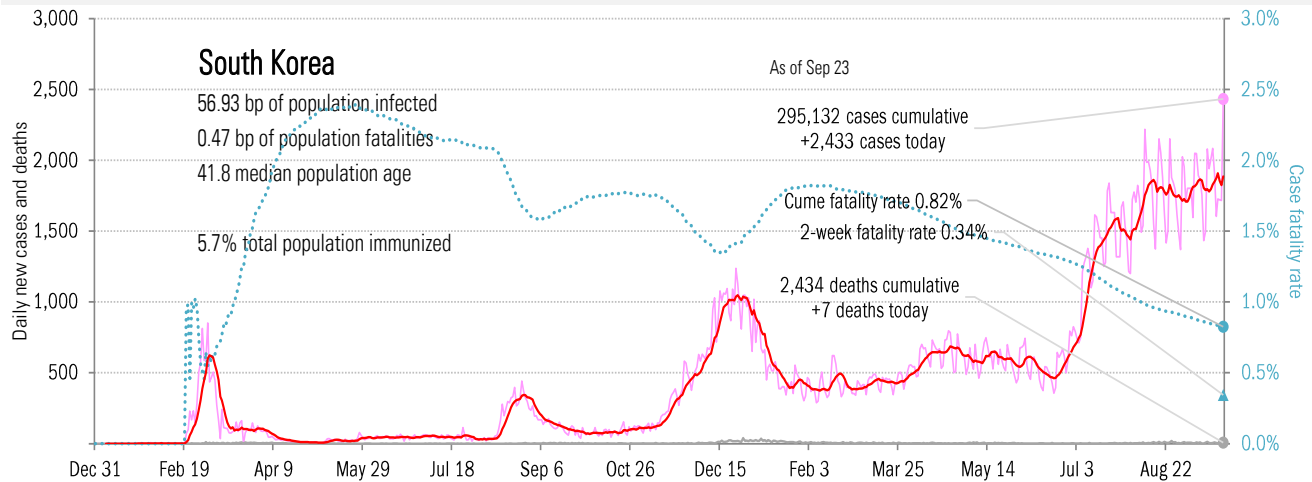
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

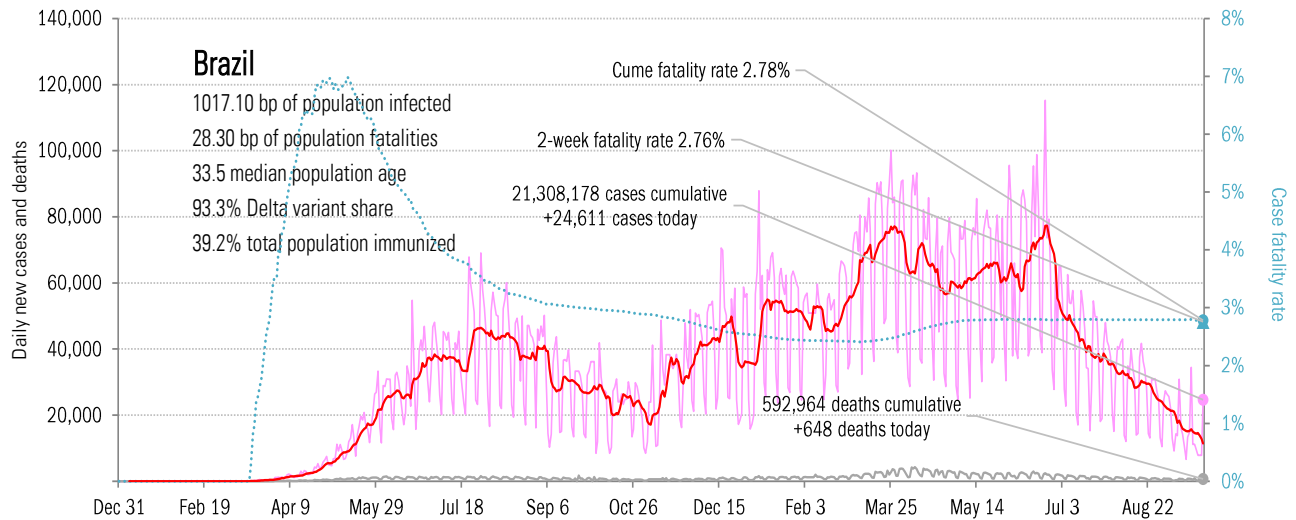
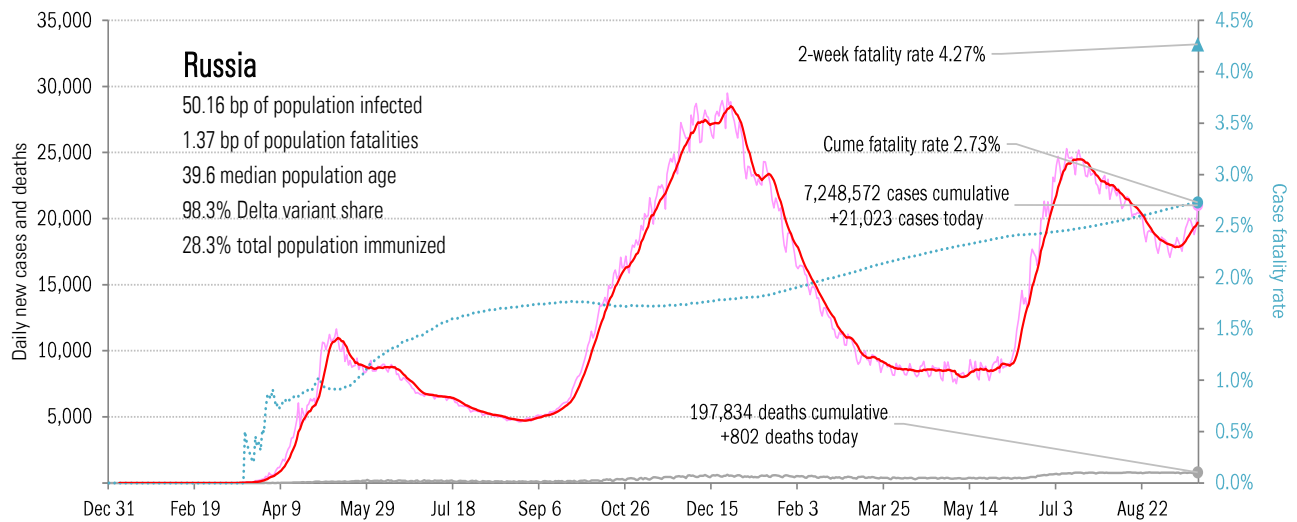
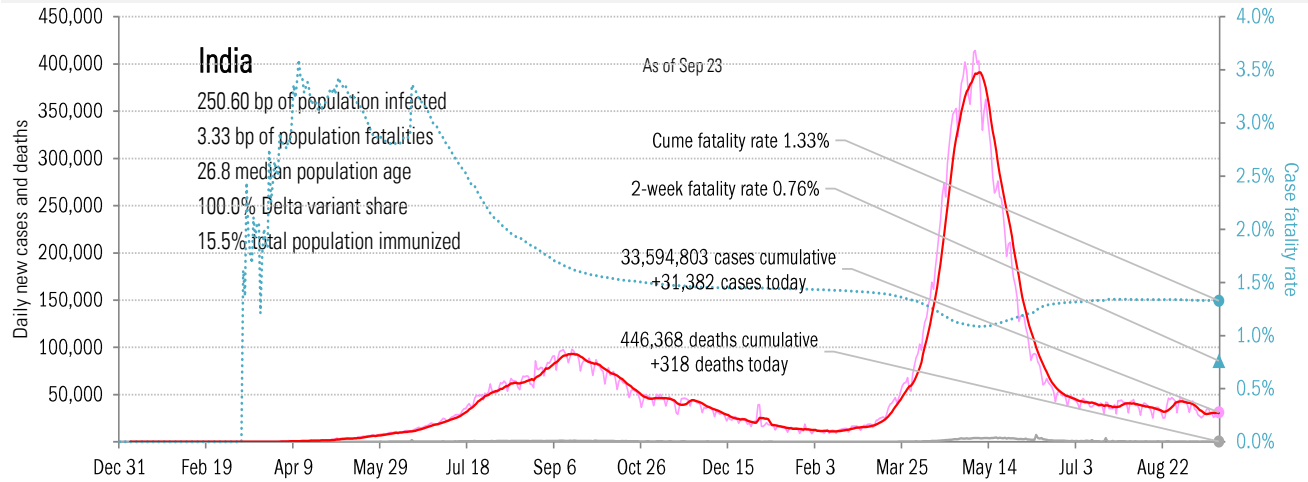
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

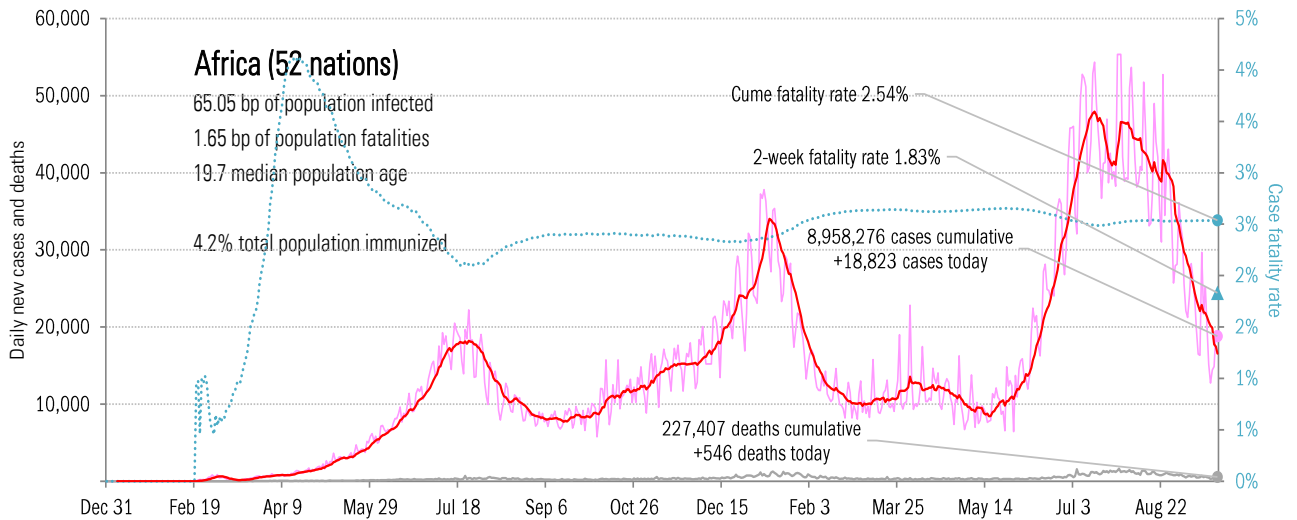
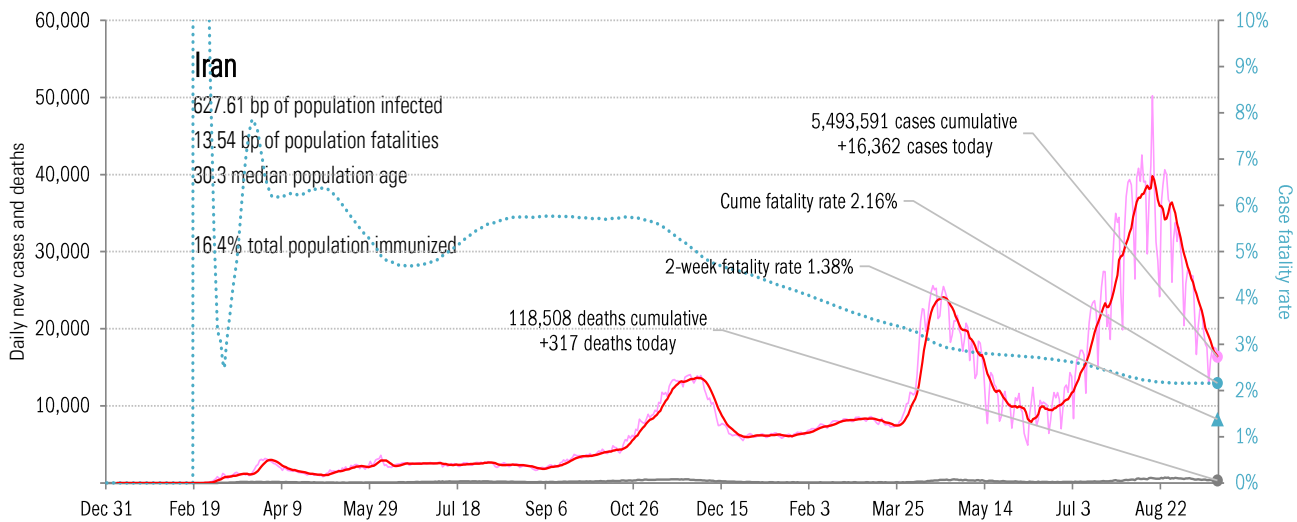
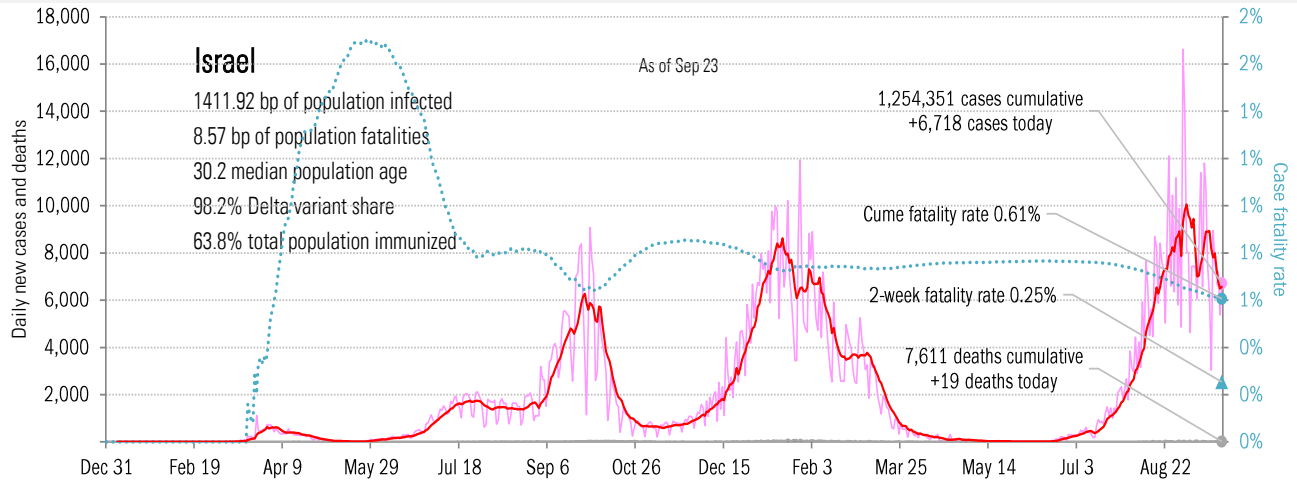
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

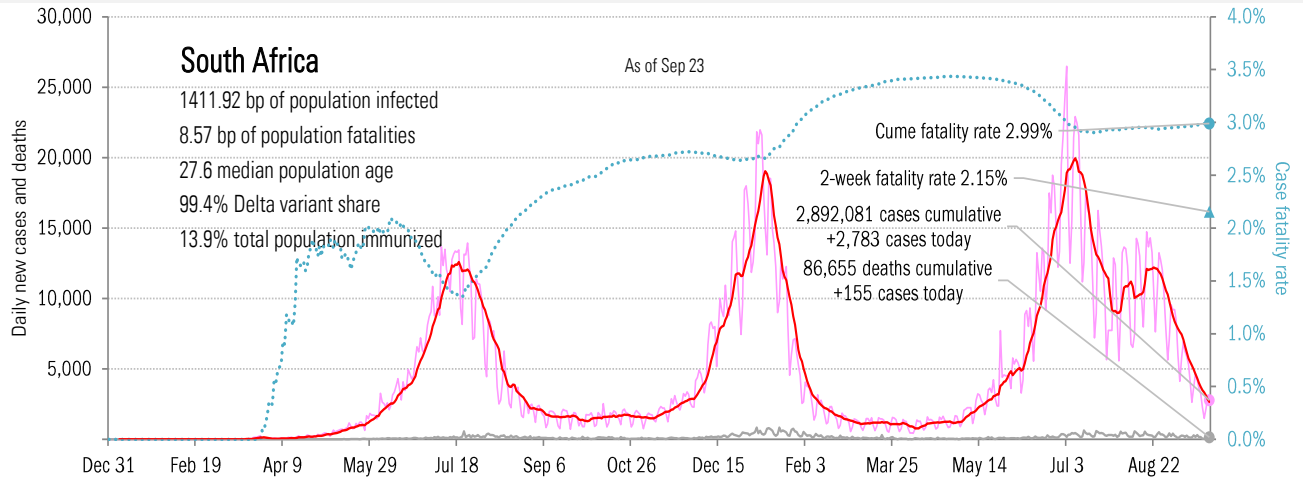
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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