

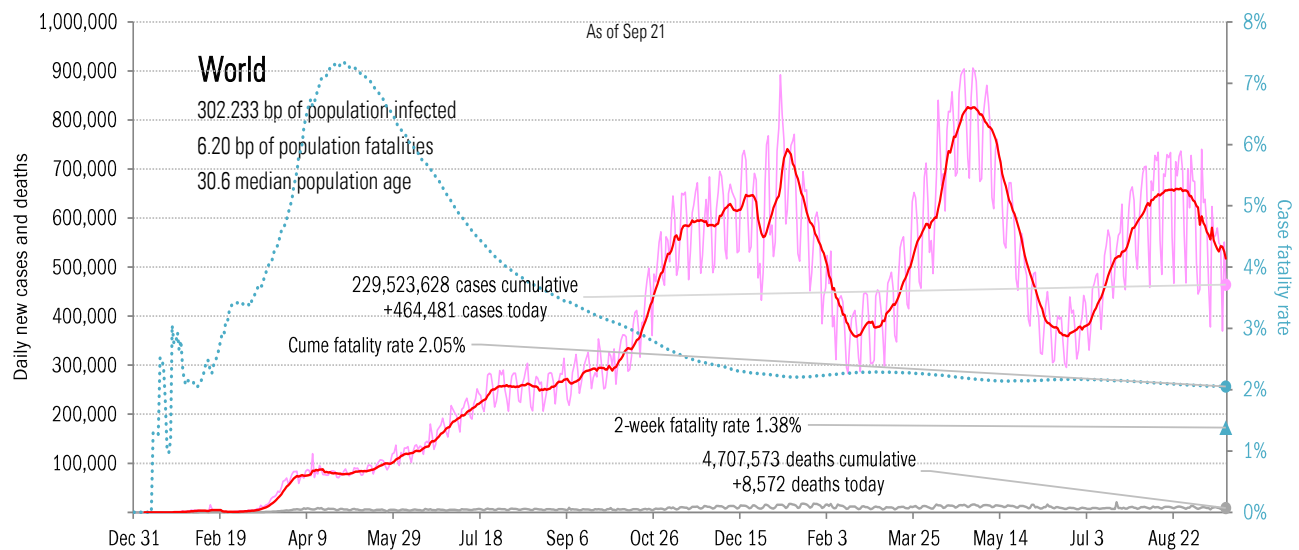
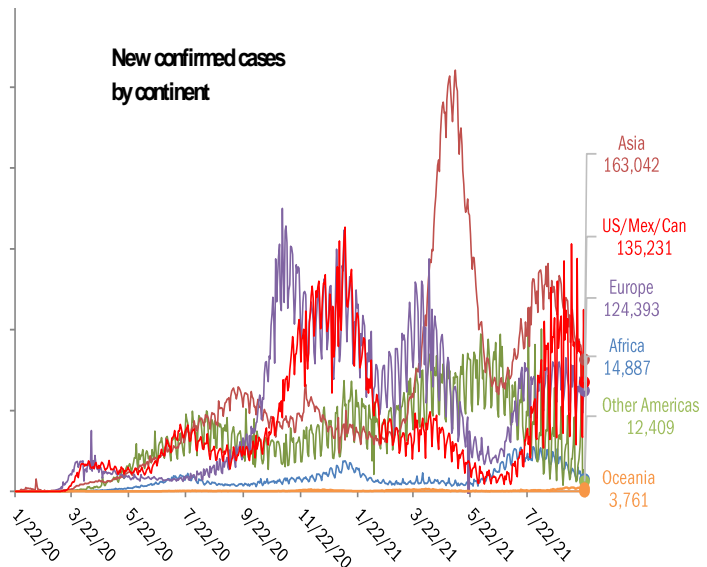
Data Insights: Covid-2019 Monitor

Wednesday, September 22, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+131,546	United States	+2,702
United Kingdom	+31,188	Russia	+797
Turkey	+29,338	Brazil	+485
India	+26,964	India	+383
Russia	+18,796	Iran	+379
Iran	+17,564	Malaysia	+334
Philippines	+16,300	Turkey	+260
Malaysia	+15,759	Vietnam	+240
Vietnam	+11,692	United Kingdom	+204
Thailand	+10,919	Indonesia	+171
+310,066		+5,955	
World +464,481		World +8,572	
Top ten 67%		Top ten 69%	



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

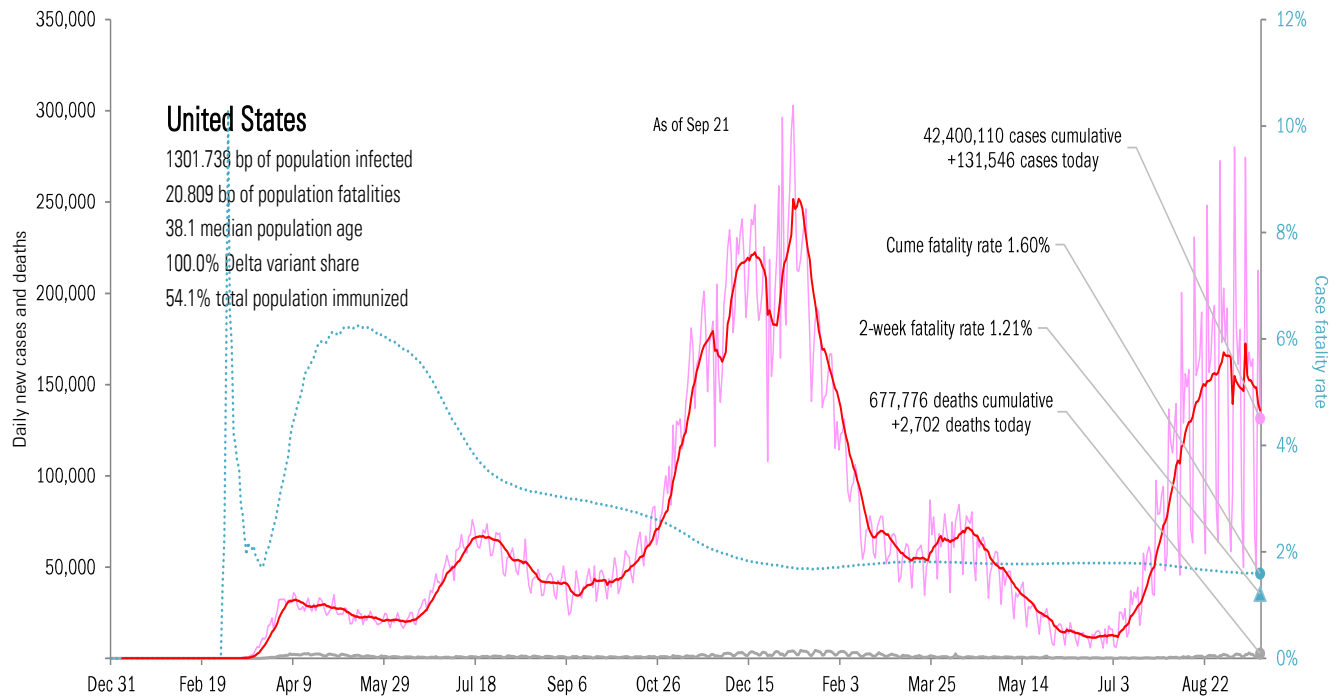
The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
TX	+18,374		FL	+376		IA	+33		CA	4,651,497		CA	68,087		TX	349,188		RI	87%	AL	97%
FL	+10,758		TX	+331		ME	+11		TX	3,967,426		TX	62,402		FL	301,942		GA	85%	ID	95%
GA	+7,493		AL	+250		DE	+7		FL	3,518,201		NY	54,983		CA	293,302		SC	83%	TX	94%
CA	+6,931		MO	+198		DC	+4		NY	2,382,450		FL	51,258		NY	153,183		MA	82%	GA	93%
CH	+6,814		GA	+179		MN	+4		IL	1,601,759		PA	28,932		GA	148,027		MD	82%	AR	90%
MN	+6,321		CH	+125		NE	+4		GA	1,543,960		NJ	27,240		CH	107,141		PA	82%	KY	90%
NY	+5,348		SC	+107		SD	+2		PA	1,387,872		IL	27,094		KY	104,168		TX	82%	AK	88%
PA	+4,939		LA	+85		UT	+2		CH	1,358,918		GA	24,951		PA	103,687		FL	81%	OK	87%
NC	+4,381		IN	+82		WY	+2		NC	1,350,697		MI	22,034		IL	97,918		KY	79%	MS	86%
WI	+4,064		AZ	+71		IL	+1		TN	1,190,689		CH	21,596		MI	81,522		MI	79%	NC	85%
+75,423			+1,804			+70			22,953,469			388,577			1,740,078						
All states	+131,546		+2,702			-2540			All states	42,400,110		677,776			3,087,212			All states	70%	67%	
Top ten	57%		67%			-3%			Top ten	54%		57%			56%			Median	75%	78%	

Some states not reporting

Five most improved US states

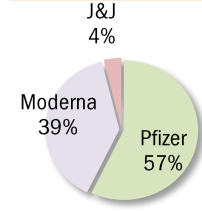
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TN	-12,521	NC	-126	TX	-440	KY	+40 bp
NC	-11,443	TN	-109	KY	-303	MS	+40 bp
SC	-8,850	IL	-71	NC	-170	TN	+40 bp
MI	-8,203	KY	-57	AL	-149	WA	+40 bp
VA	-5,608	KS	-51	IN	-141	ME	+30 bp



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

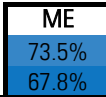
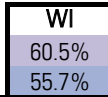
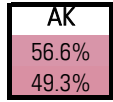
Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	One dose	% Pop	Immune	% pop	New immune today			
	397,655,384				+0.549 million	US	54.1%	63.1%
Total population	217,414,635	65%	186,584,579	56%	+0.285 million	UK	65.3%	71.3%
Age 12 to 17	13,451,516	57%	10,796,724	45%	+0.045 million	France	63.7%	73.6%
Age 18 to 64	150,260,436	74%	128,008,482	63%	+0.216 million	Spain	77.2%	80.2%
Age 65 and over	52,644,524	96%	46,915,220	86%	+0.023 million	Germany	62.8%	66.8%
						Italy	66.2%	73.6%
						Australia	38.2%	59.2%
						Israel	63.6%	69.1%
						Canada	69.6%	75.7%
						Japan	55.4%	67.5%
						Africa	4.0%	6.2%
						India	15.0%	44.0%
						Brazil	38.0%	68.6%
						China	70.8%	76.2%



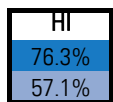
State
At least partial immunity as % population
Full immunity as % population



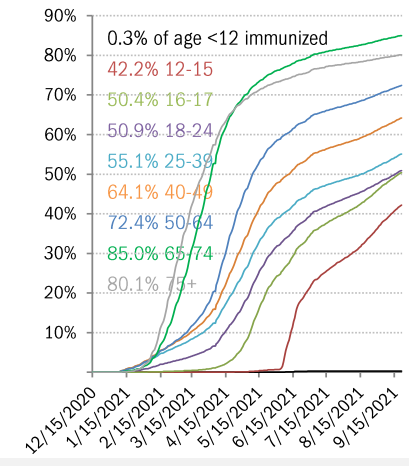
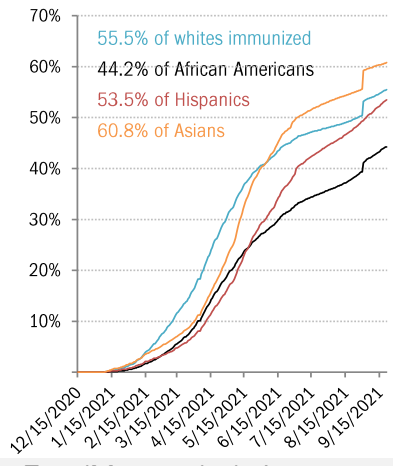
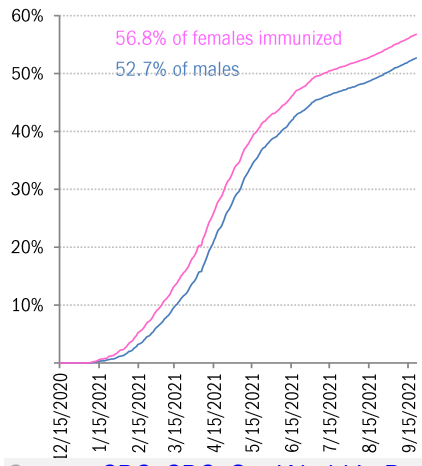
Every American >18 immune in **164 days** by Mar 3, 2022
 67.7% of population >18 immunized
 14.4% previously tested positive
82.2% vs 60% adult herd immunity



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
70.6%	46.3%	54.2%	50.3%	63.1%	67.8%	56.5%	70.2%	77.3%	68.8%	
62.6%	40.9%	47.9%	43.4%	57.6%	52.8%	51.8%	62.7%	69.0%	61.1%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
66.1%	60.1%	47.7%	58.4%	57.6%	51.7%	53.7%	71.4%	71.9%	76.8%	
60.0%	50.0%	40.8%	51.0%	53.4%	47.8%	49.7%	57.0%	63.6%	67.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
70.9%	58.3%	65.0%	58.9%	54.3%	59.8%	47.9%	67.7%	70.0%	75.4%	74.2%
58.1%	49.8%	58.7%	54.0%	47.1%	51.2%	40.2%	59.8%	63.4%	68.0%	67.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	58.7%	71.9%	59.2%	55.1%	52.1%	58.5%	54.4%	69.7%	65.5%	
	50.4%	62.3%	50.4%	44.7%	44.5%	48.8%	46.2%	59.3%	56.8%	
			OK	LA	MS	AL	GA			
			55.8%	51.2%	49.5%	52.1%	54.0%			
			46.6%	44.5%	42.5%	41.6%	44.1%			
			TX					FL		PR
			59.3%					66.3%		78.5%
			50.3%					56.3%		69.0%



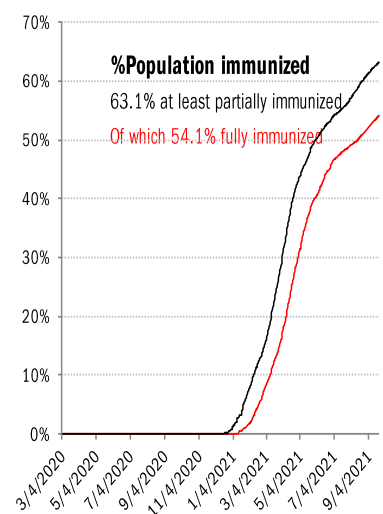
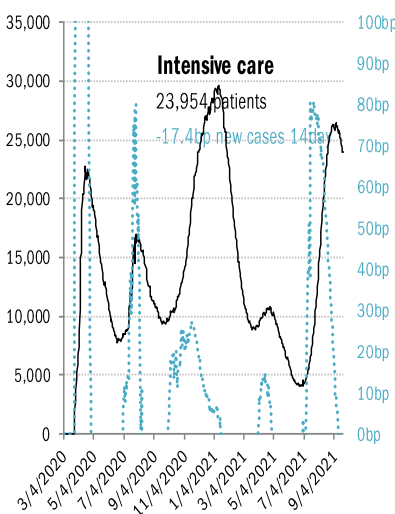
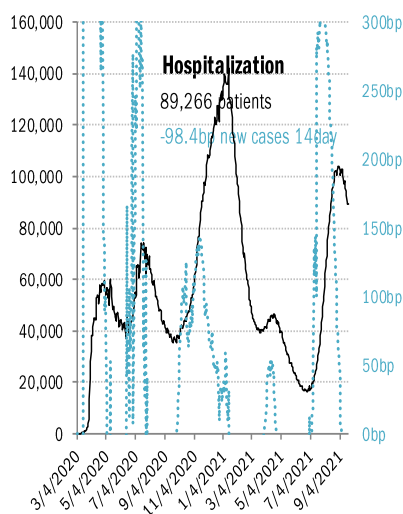
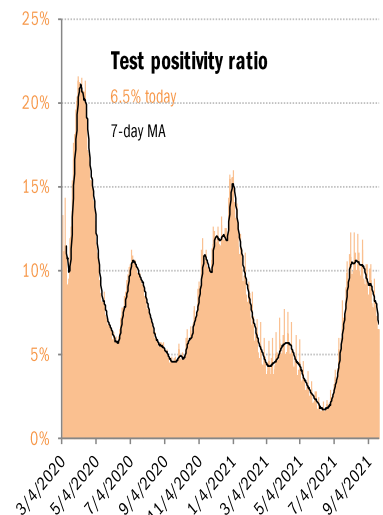
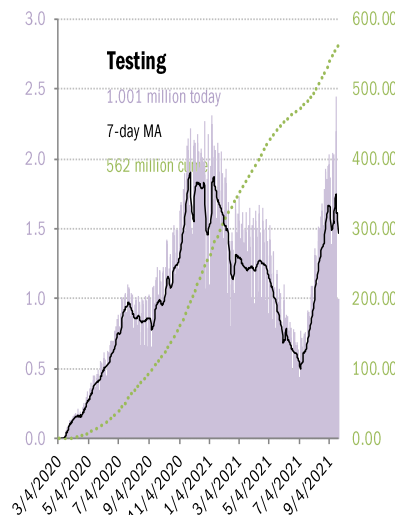
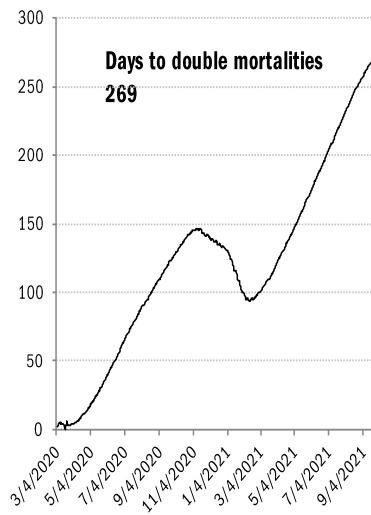
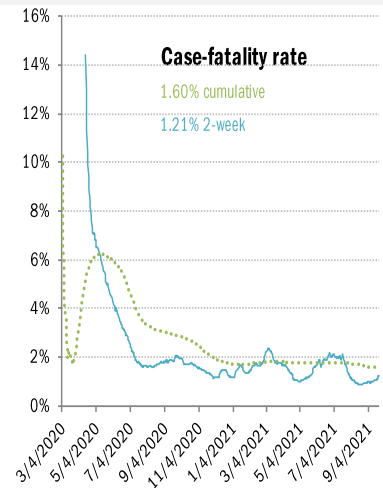
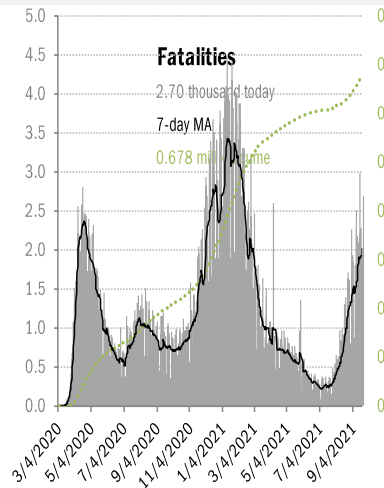
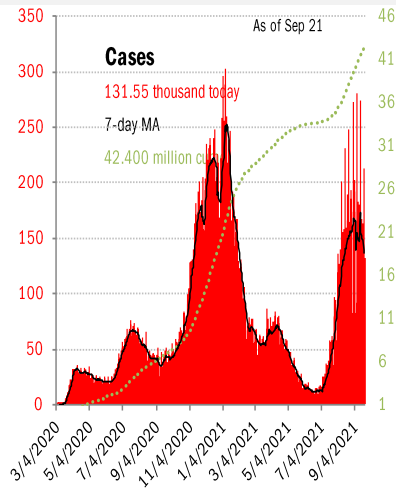
The demographics of US vaccination



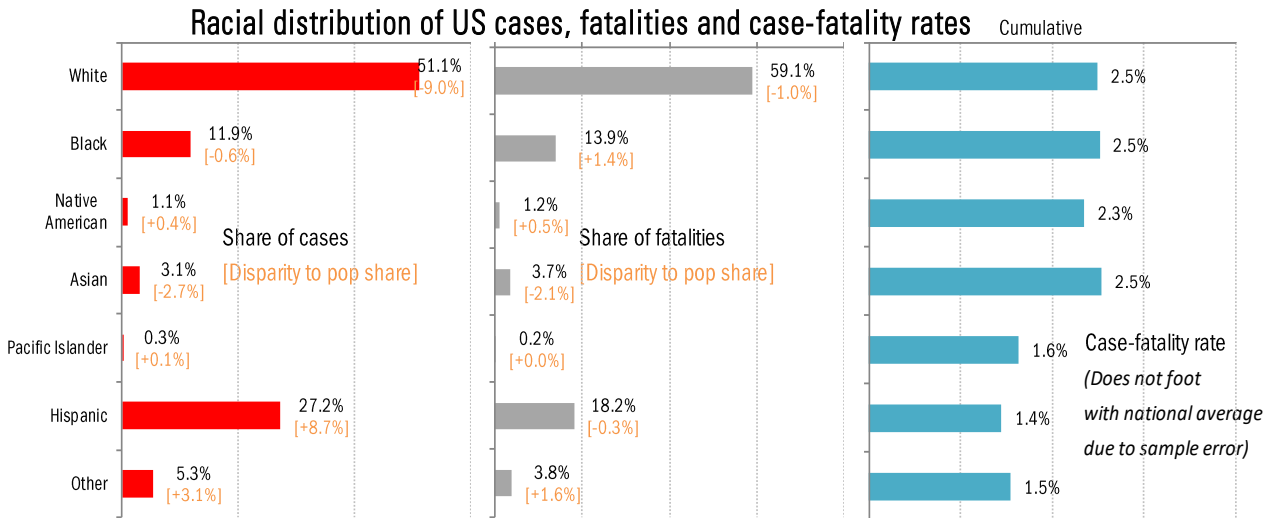
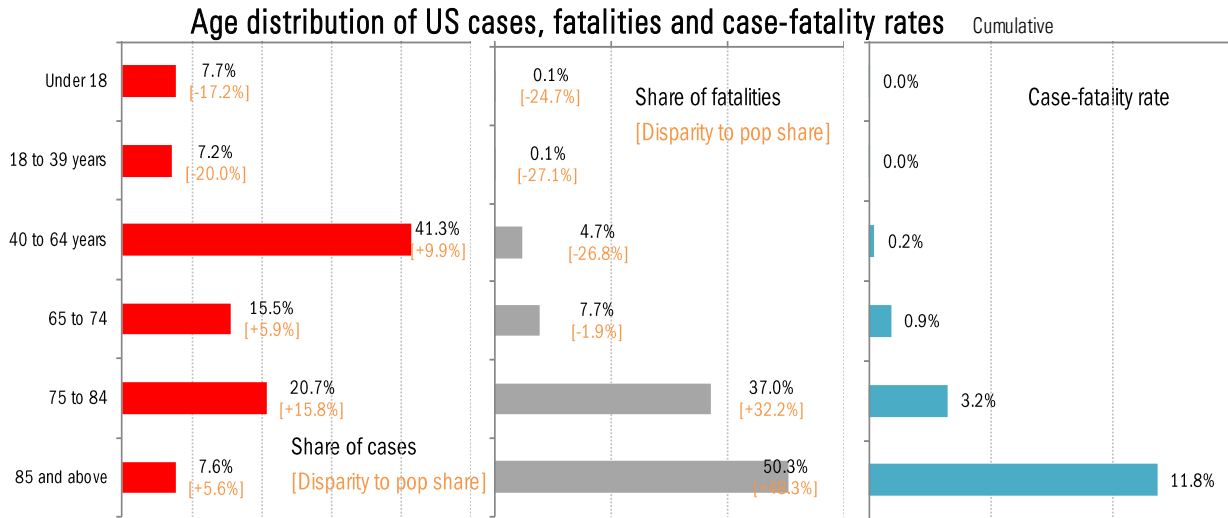
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

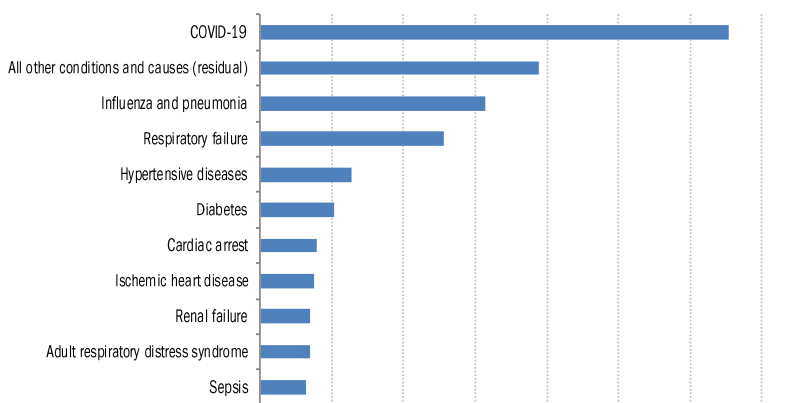


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



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

[Seattle city councilmember caught maskless at sports game despite mask mandate](#)

Katie Davis court
PM
September 20, 2021

[Emmy viewers call out celebs for not wearing masks, social distancing at 2021](#)

[show](#)
Tyler McCarthy
Fox News
September 20, 2021

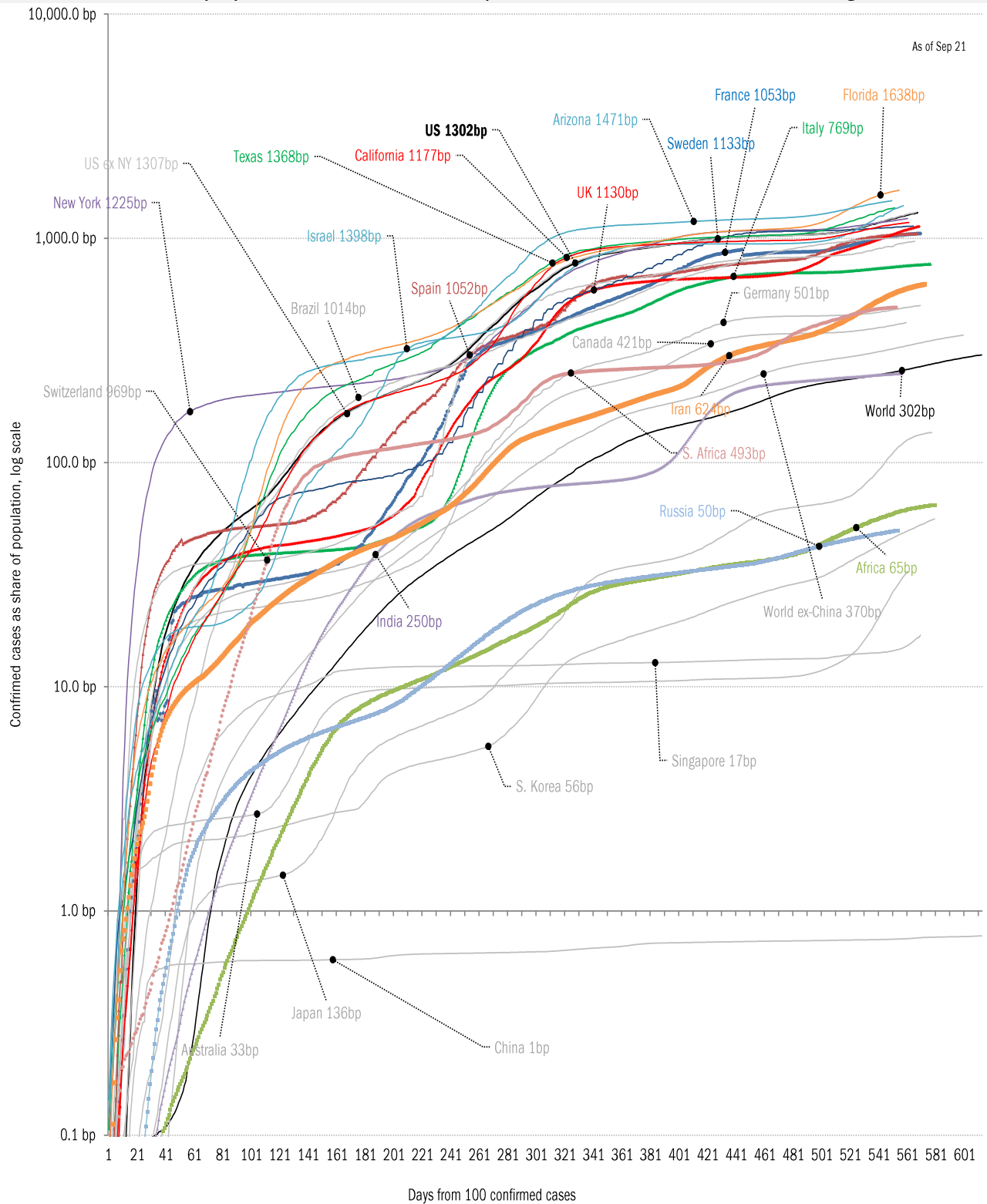
Meme of the day



Pfizer Assures That Vaccine Is Almost As Safe For Kids As COVID

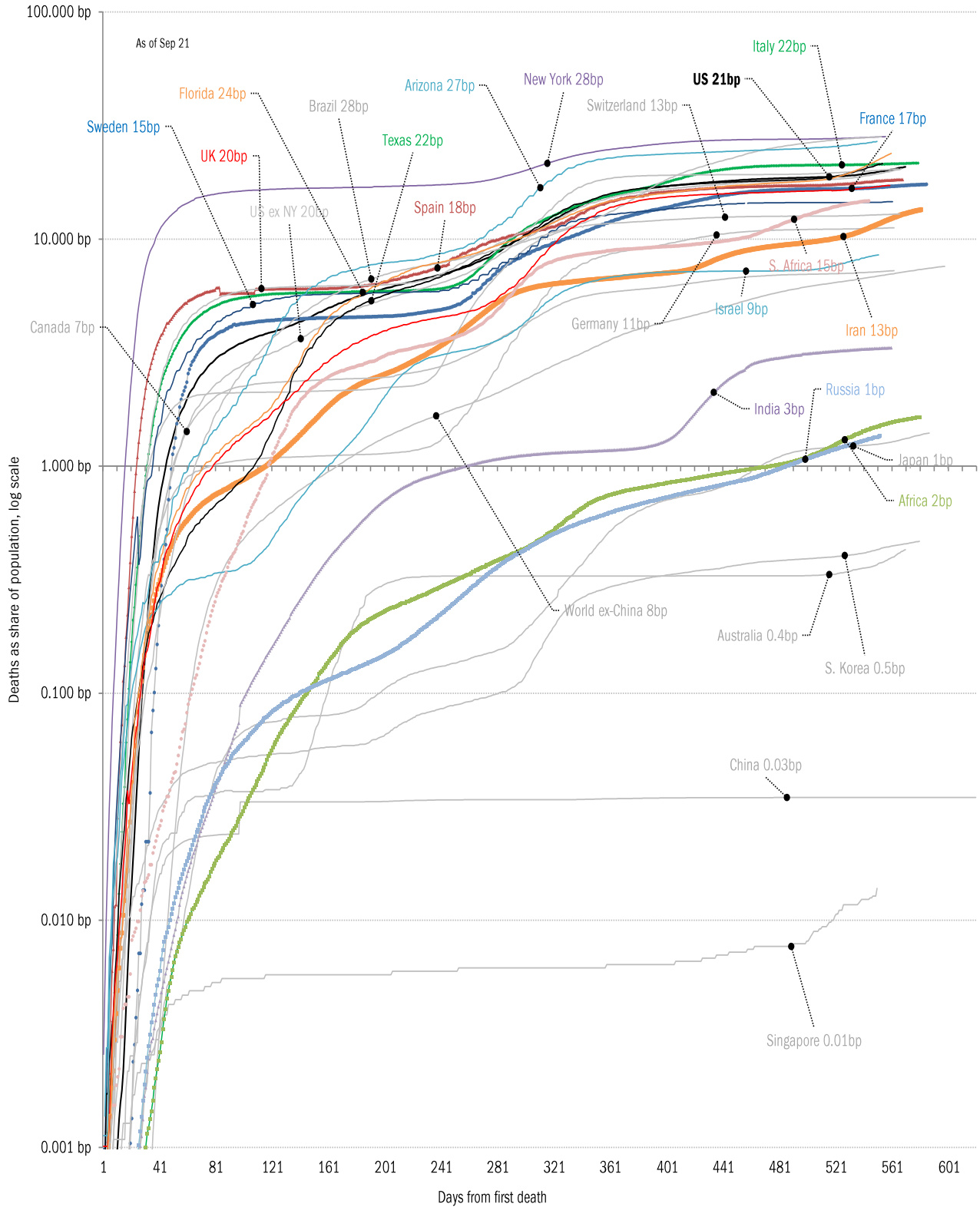
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

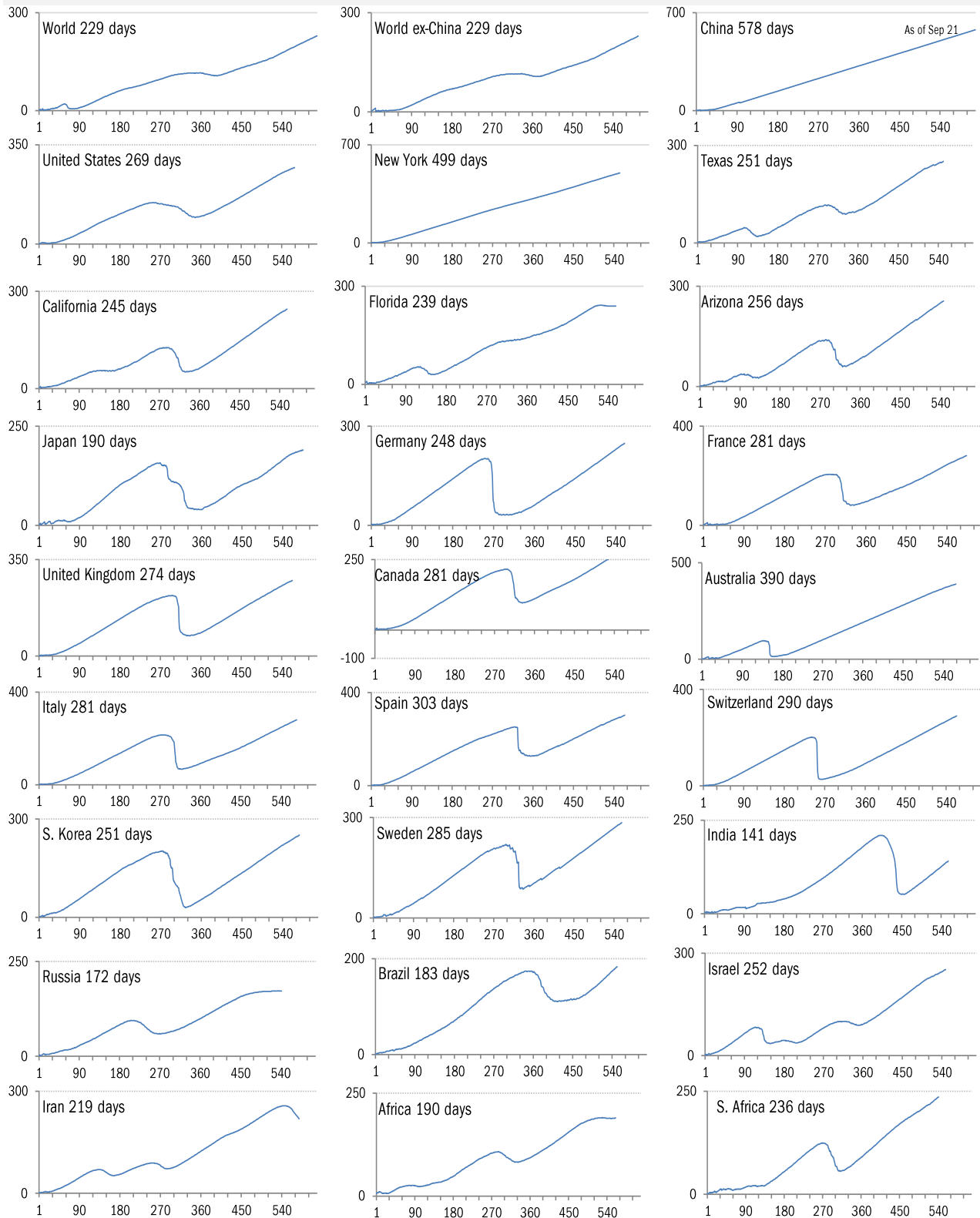


Source: [Johns Hopkins](#), TrendMacro calculations

"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

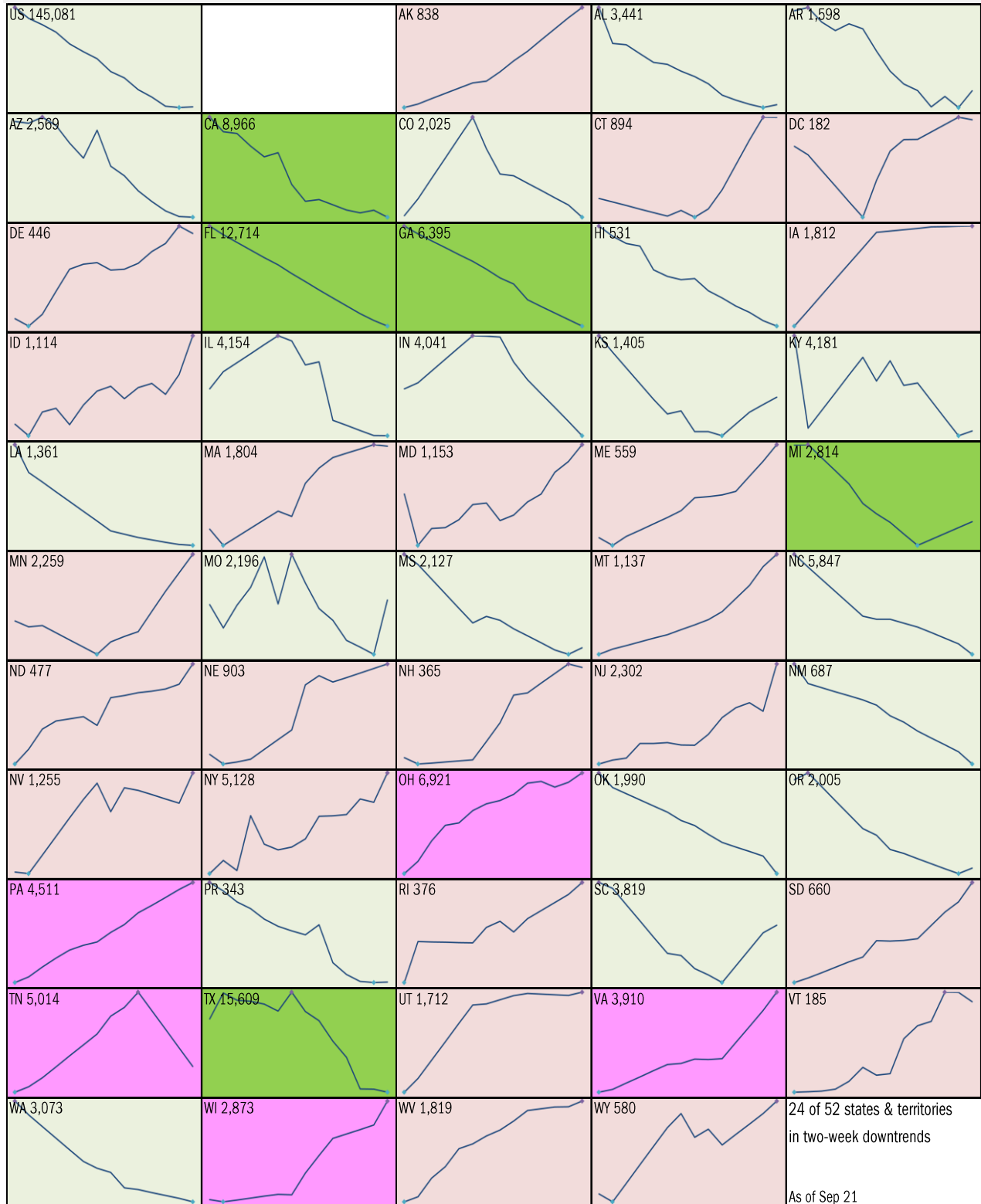


Source: [Johns Hopkins](#), TrendMacro calculations

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

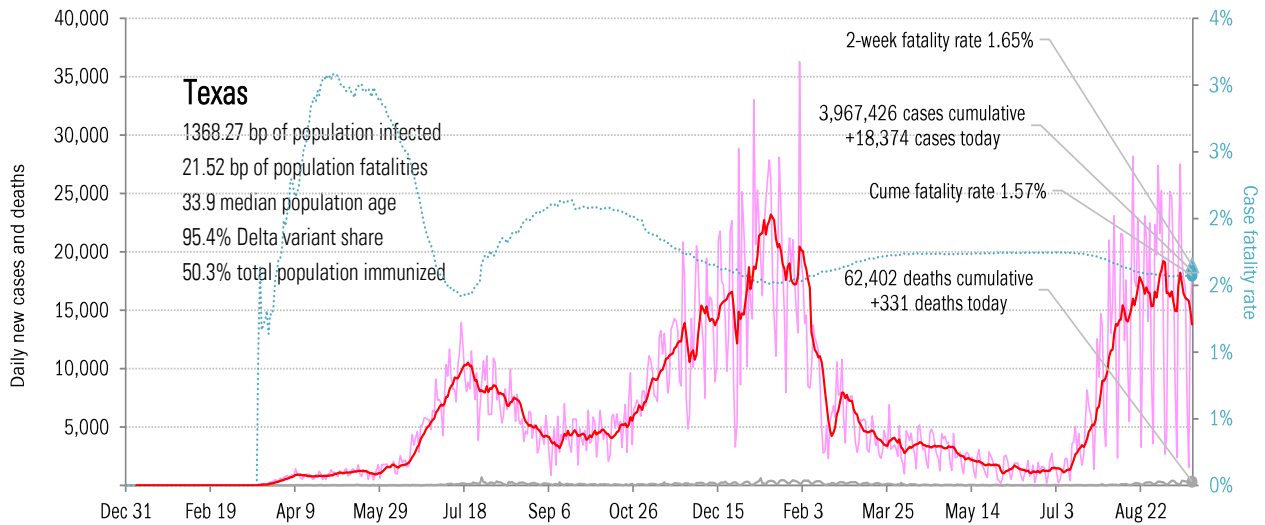
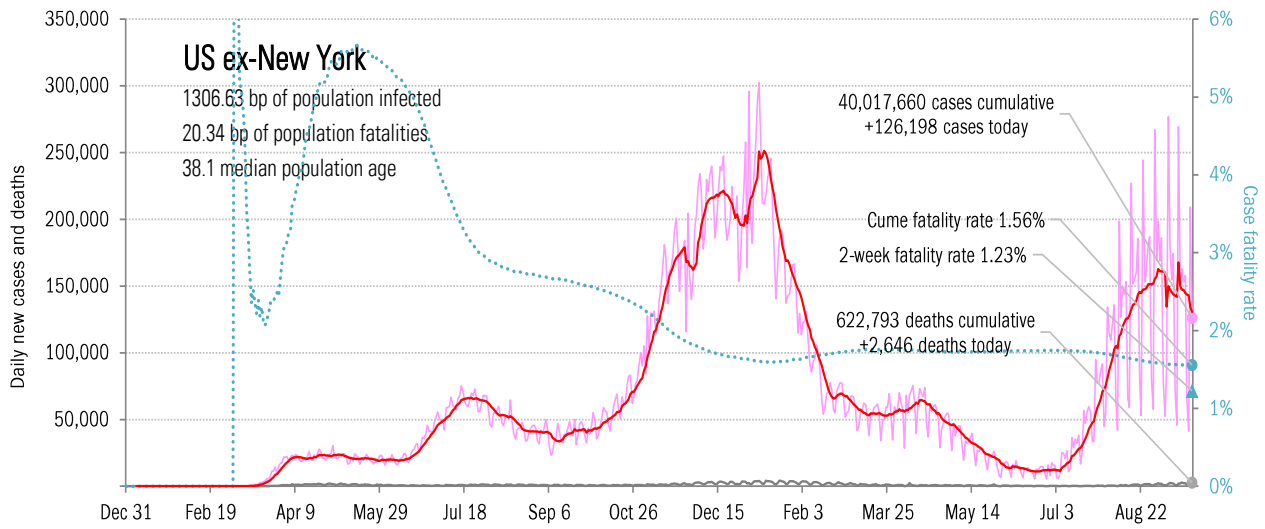
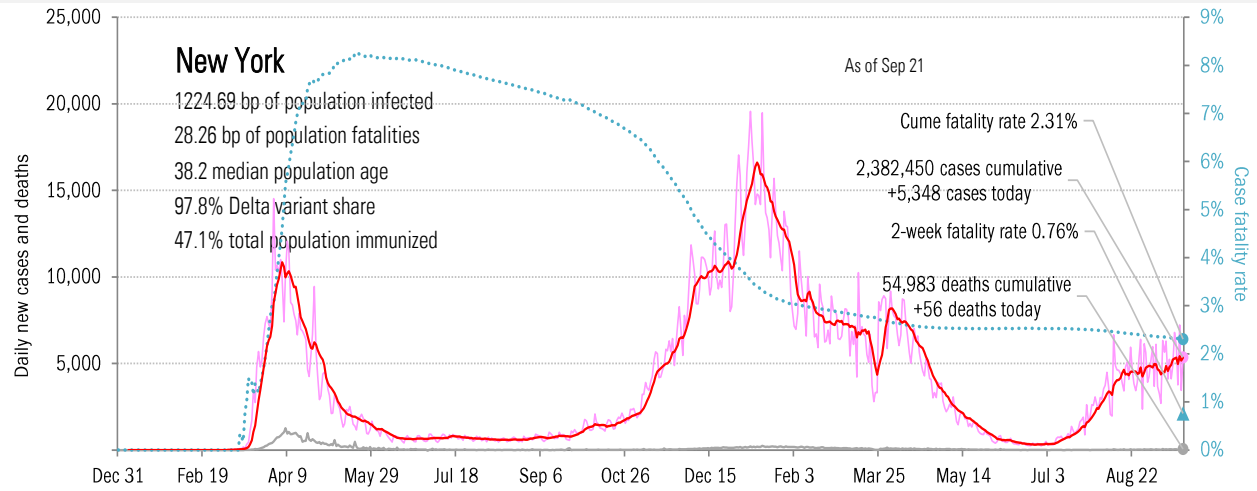
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

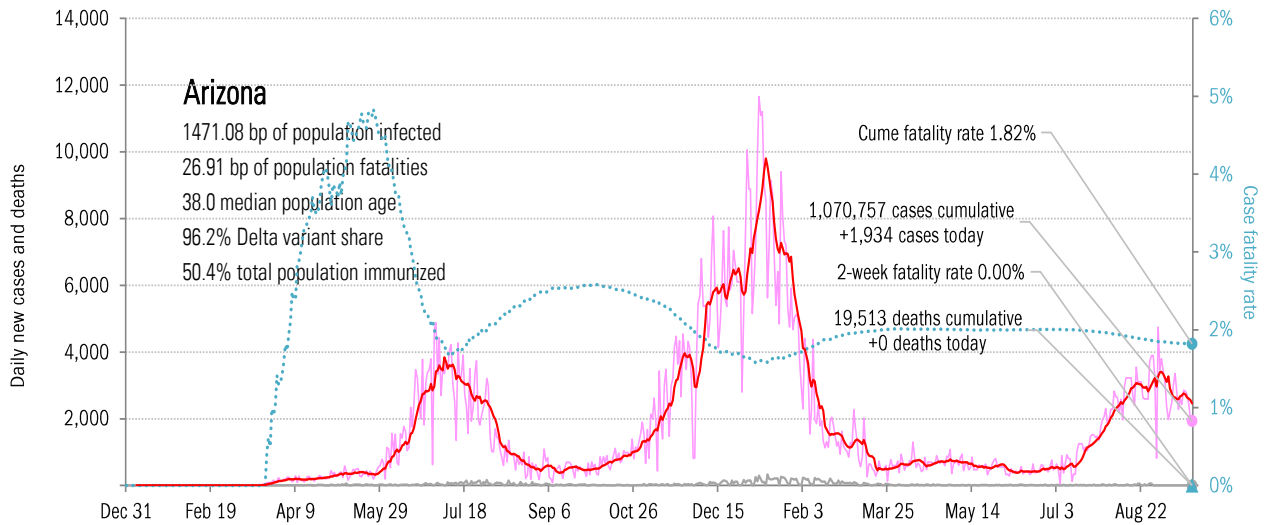
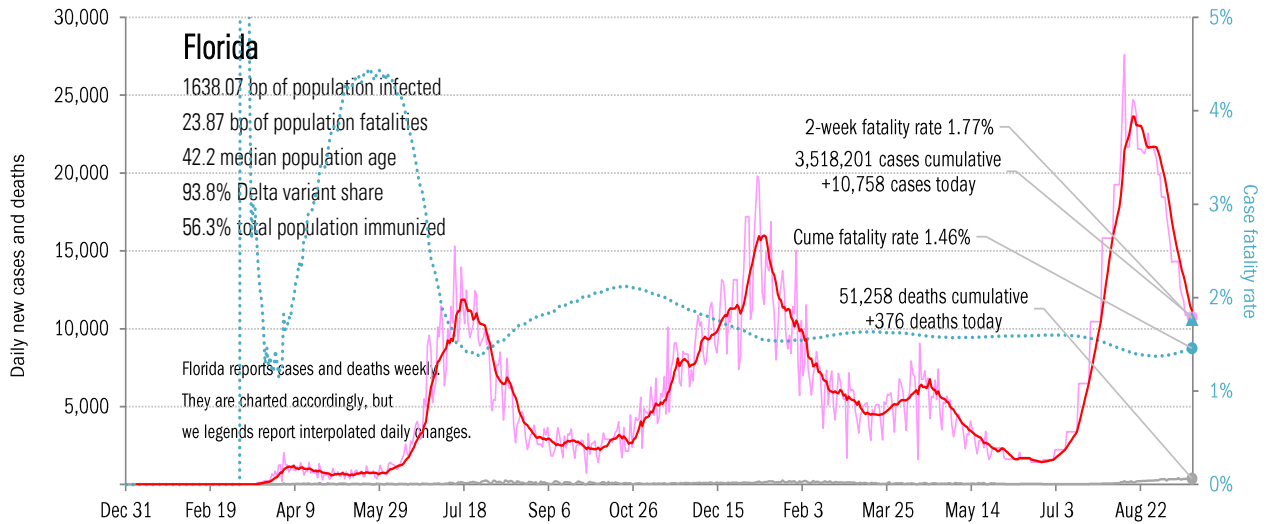
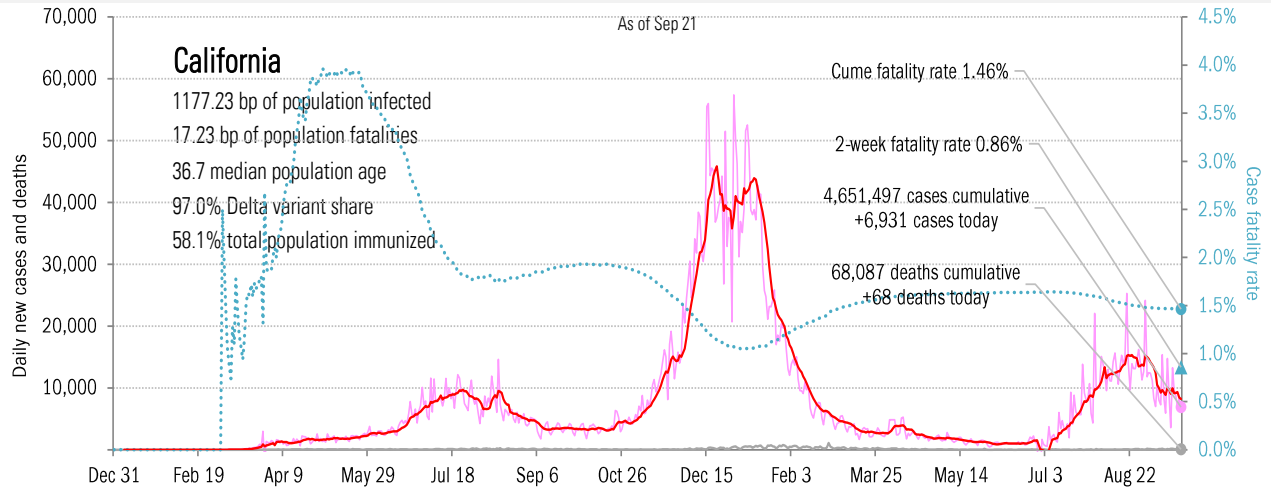
Cases: 7-day average and daily Deaths: Daily



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

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

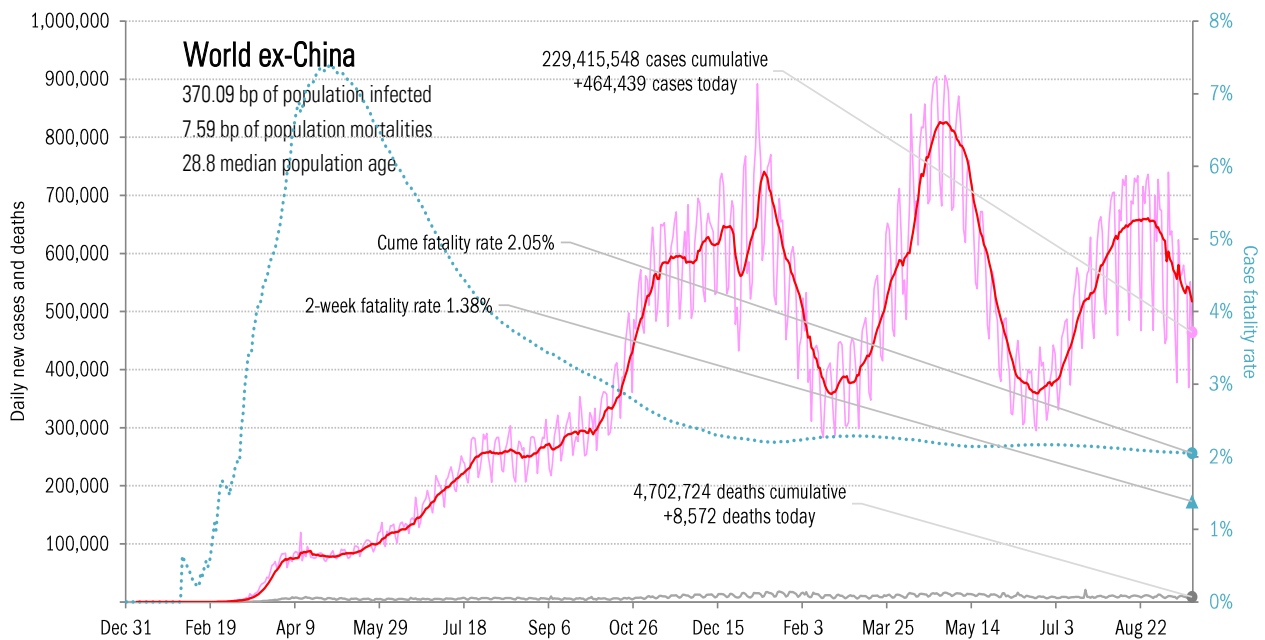
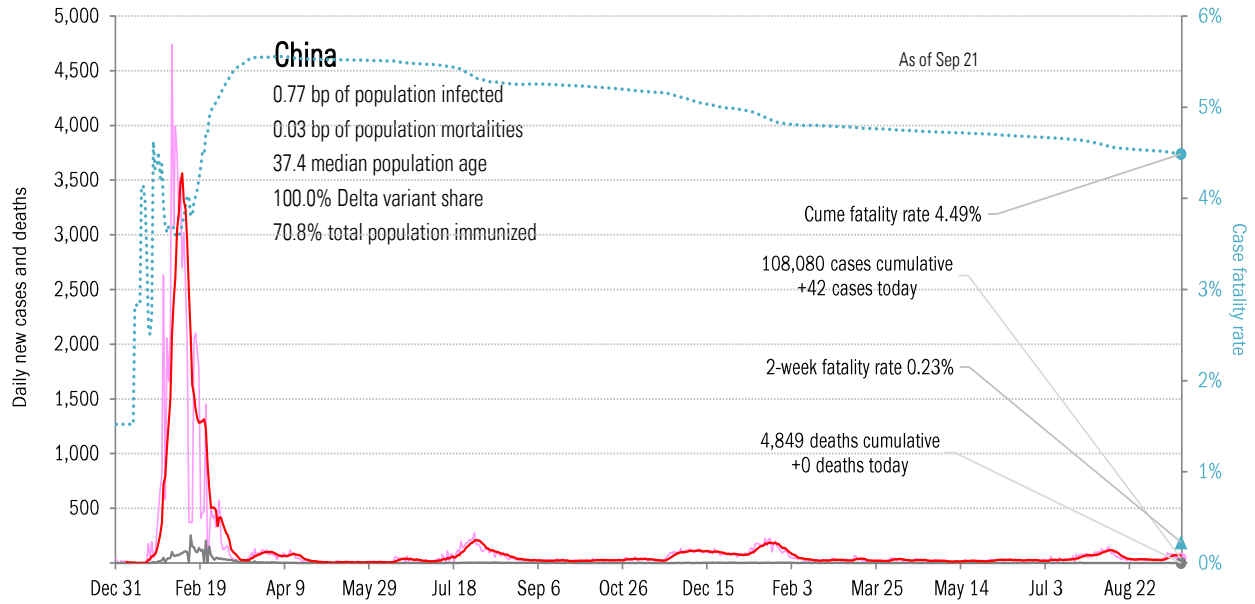
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

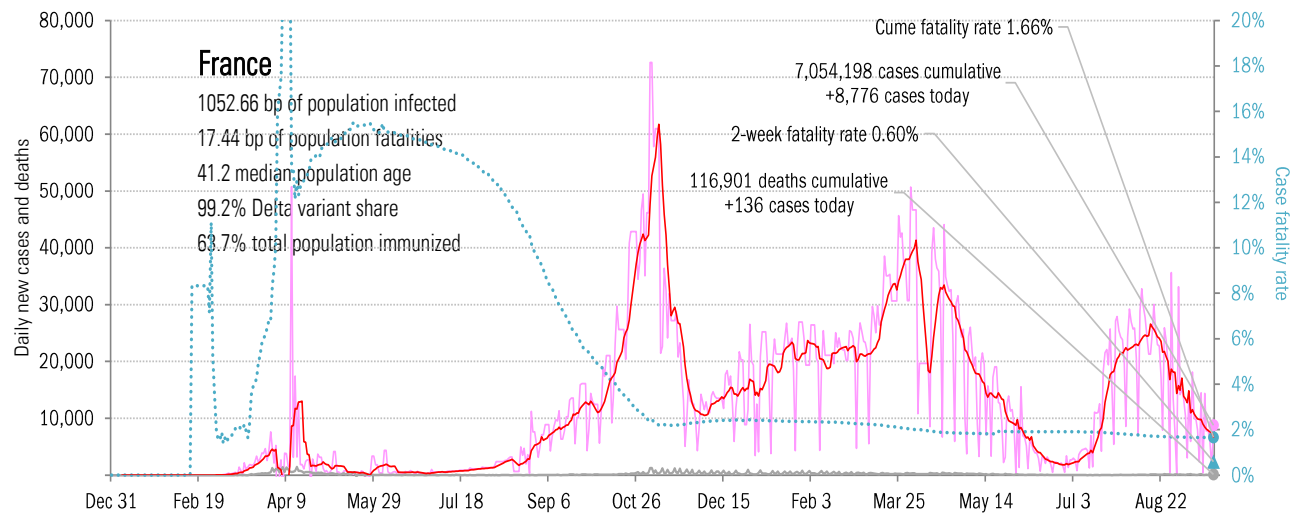
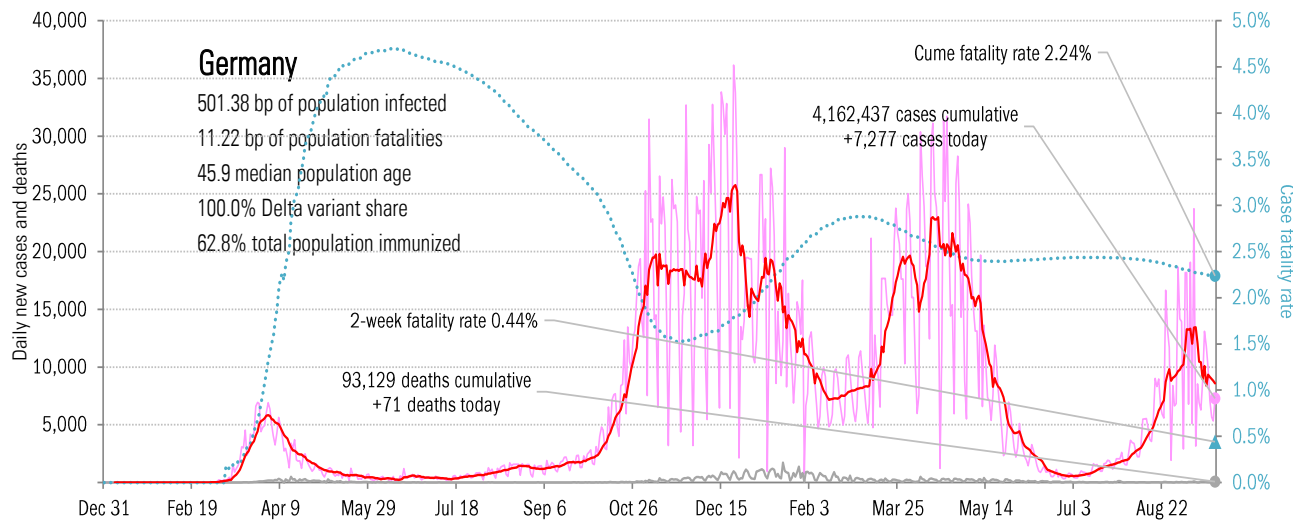
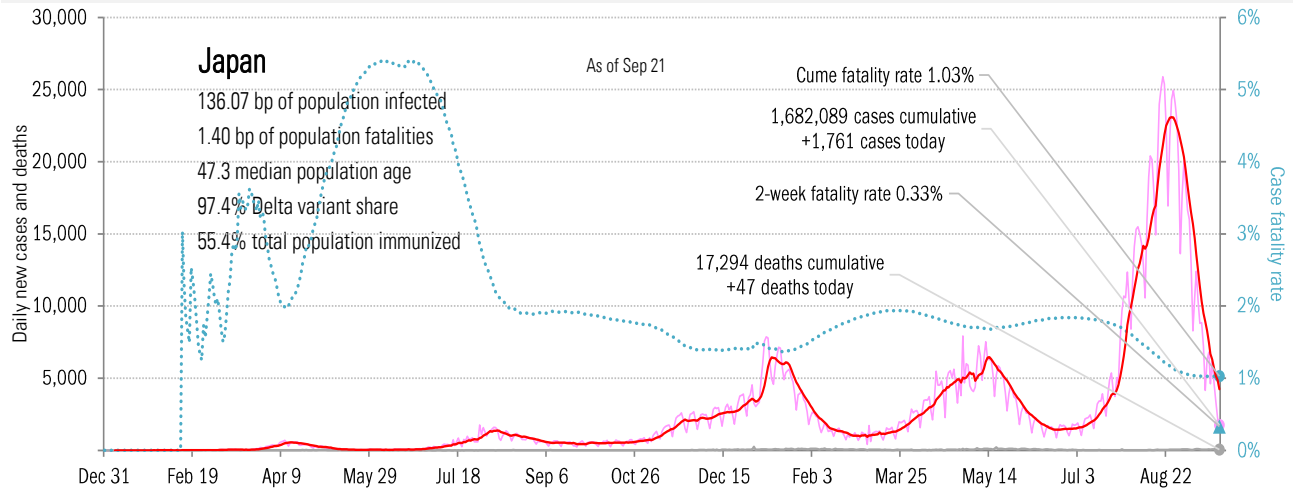
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

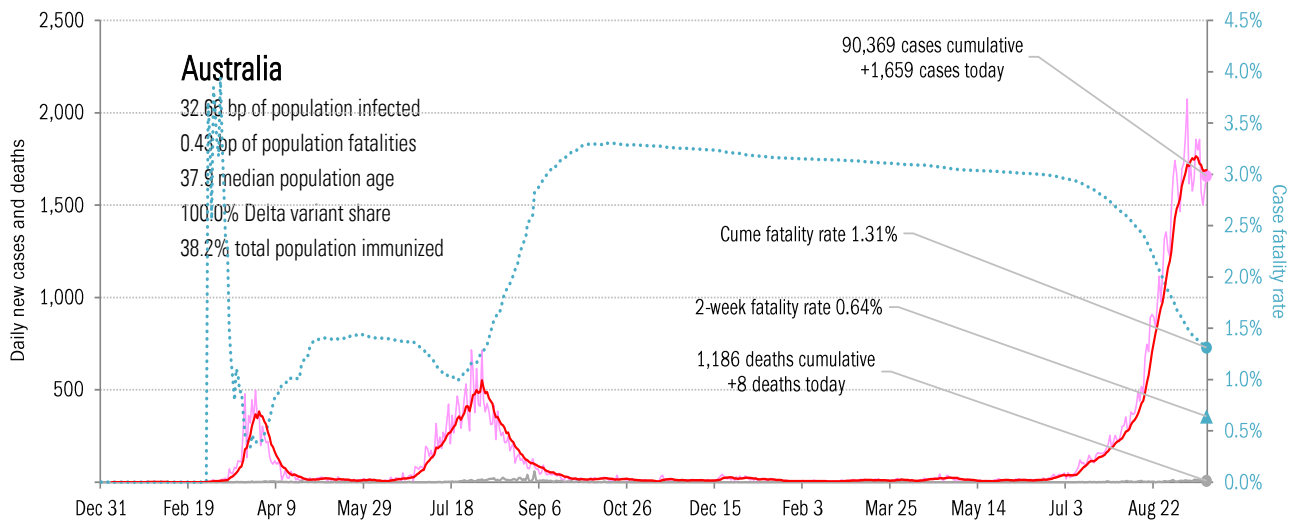
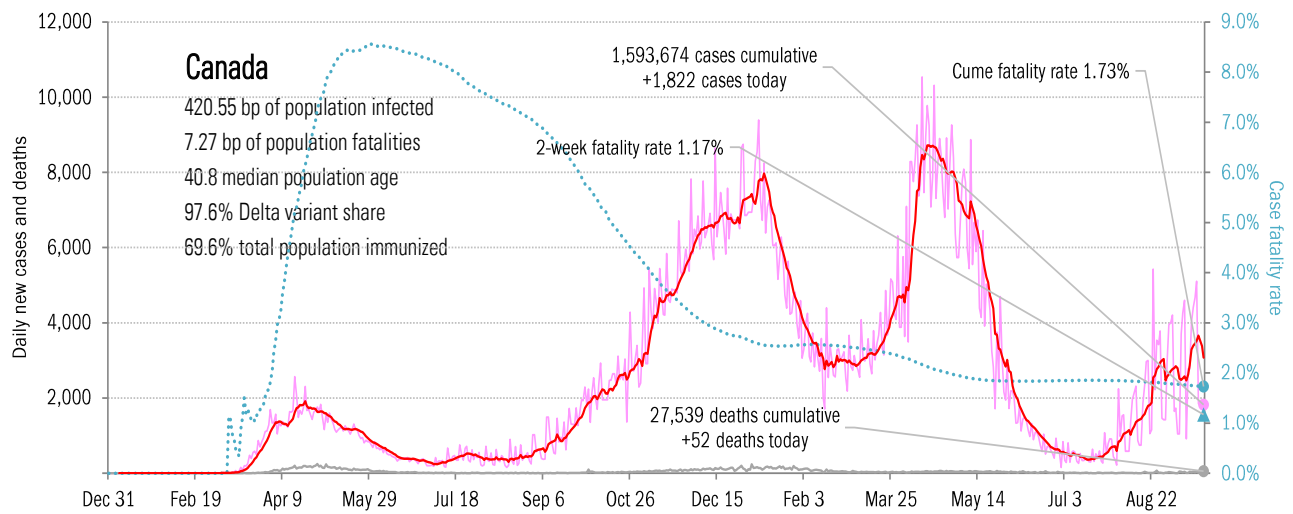
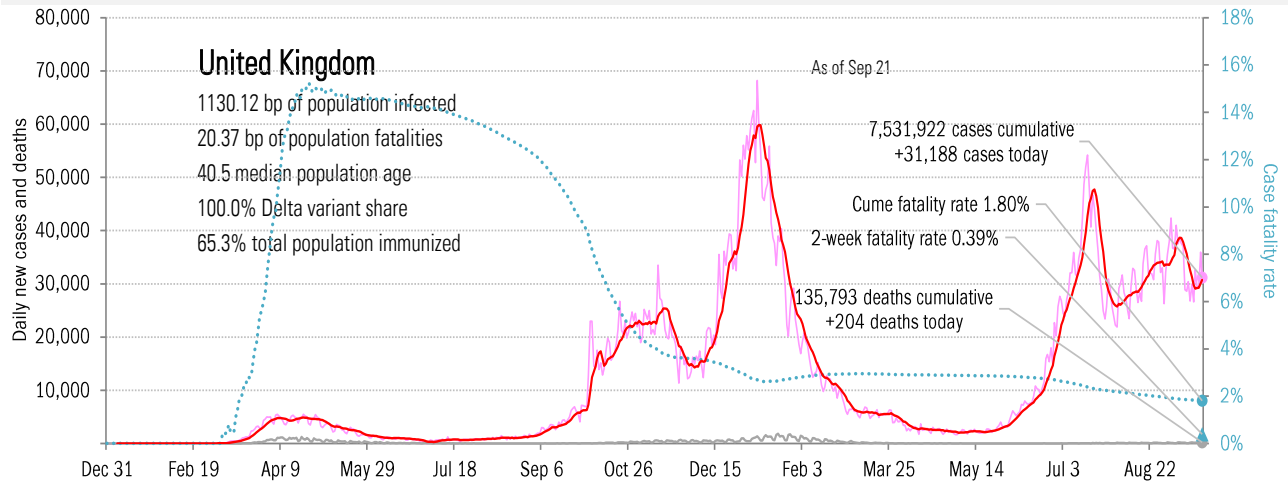
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Impact in The Anglosphere

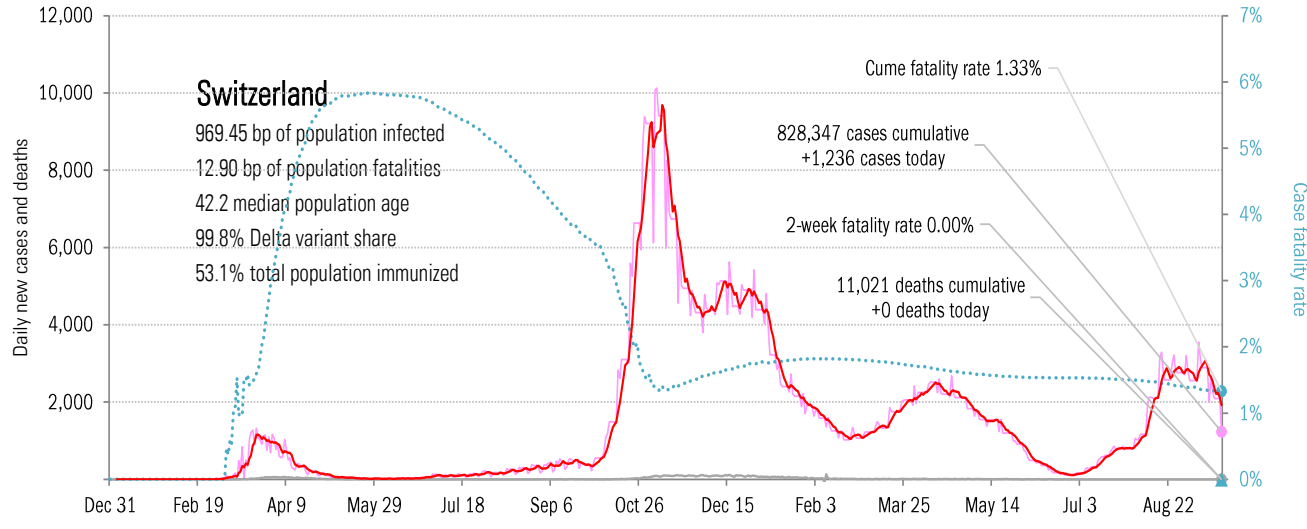
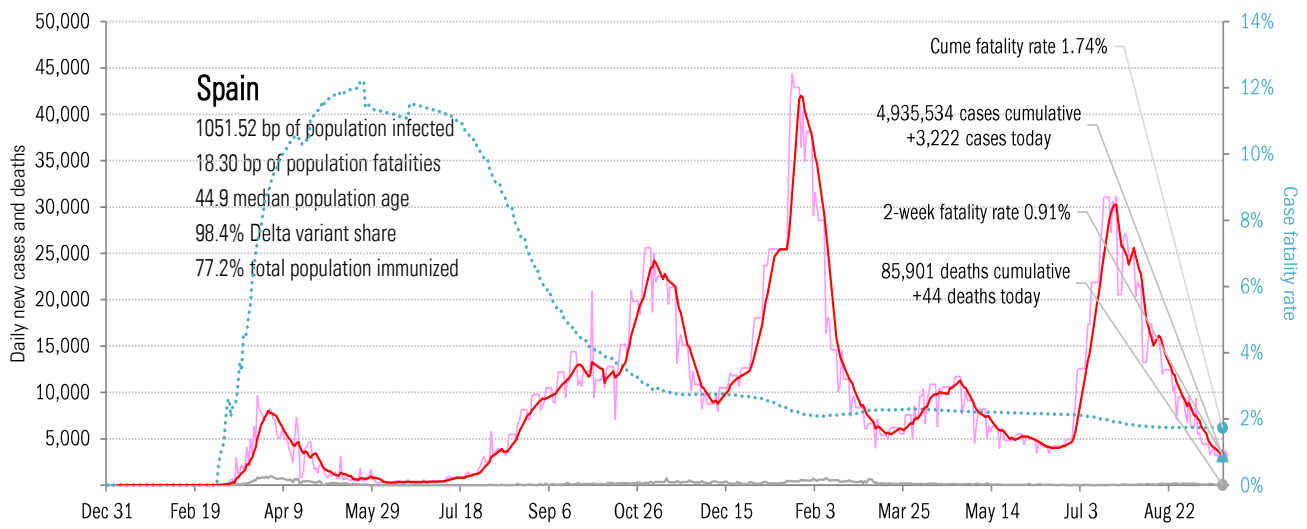
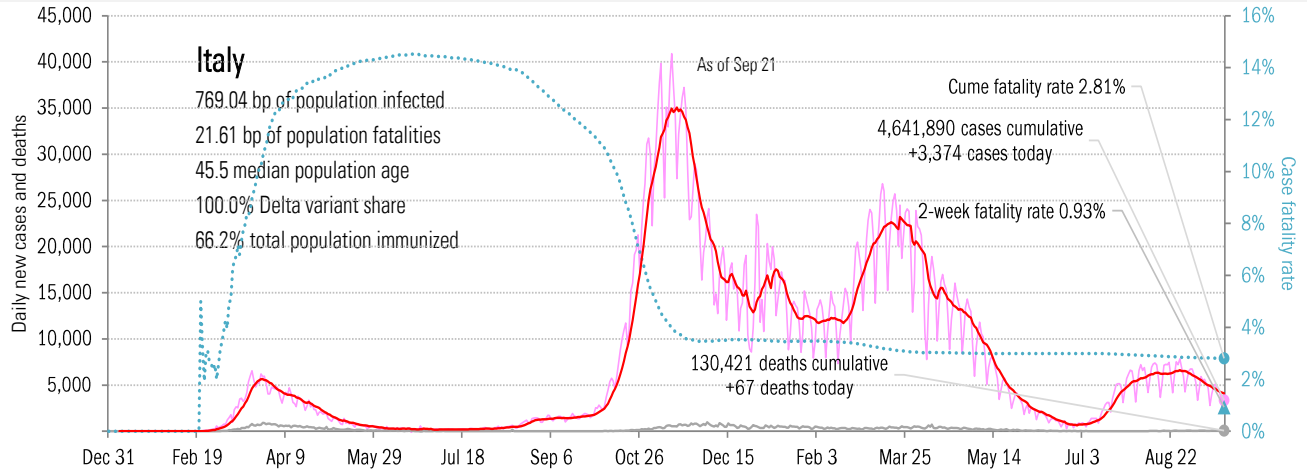
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

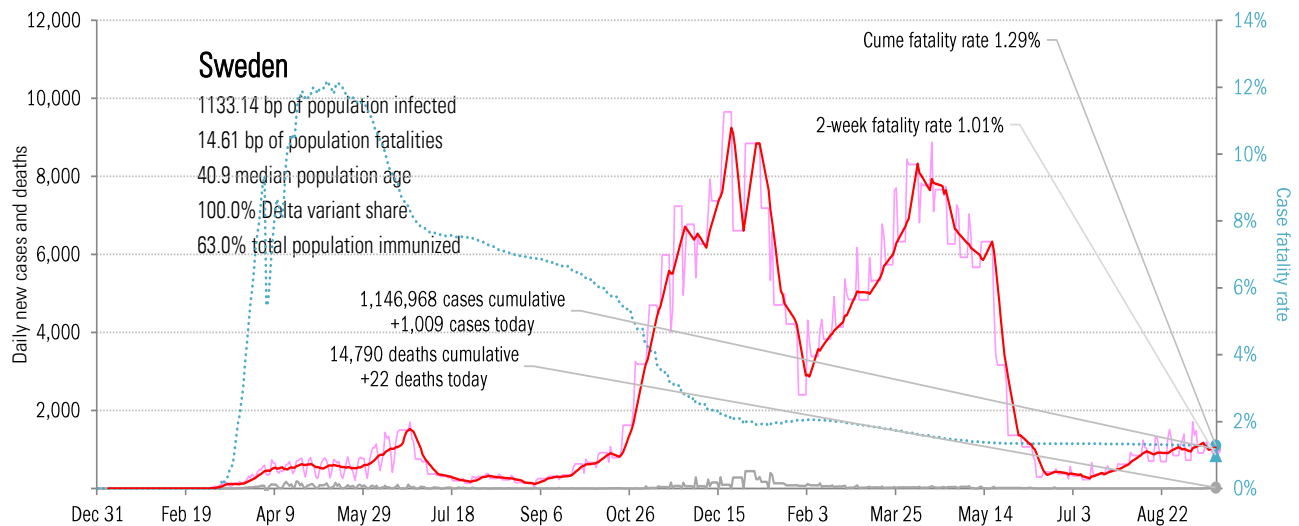
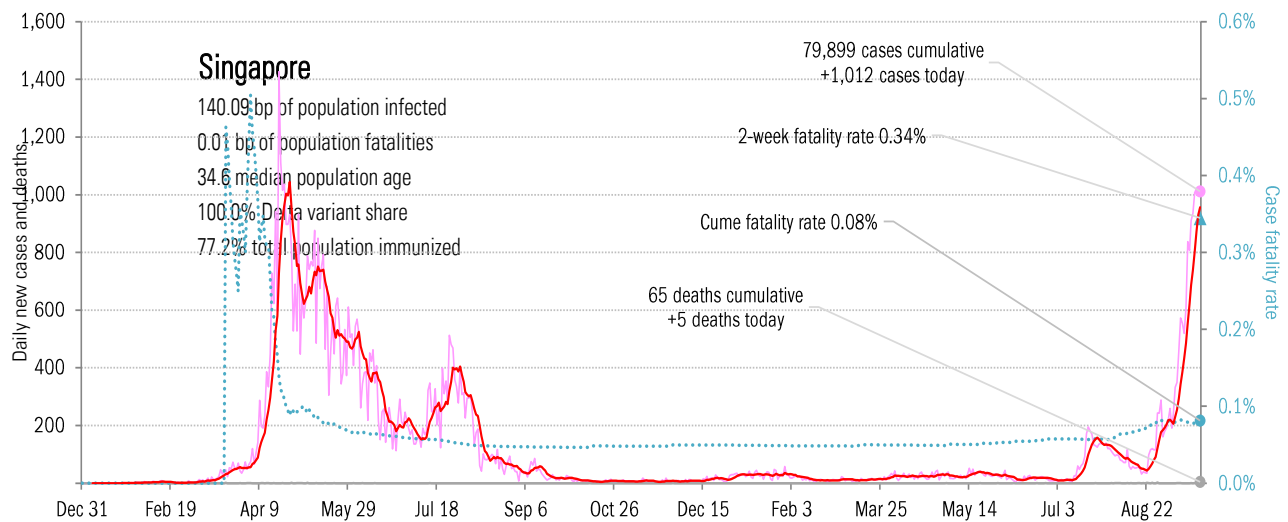
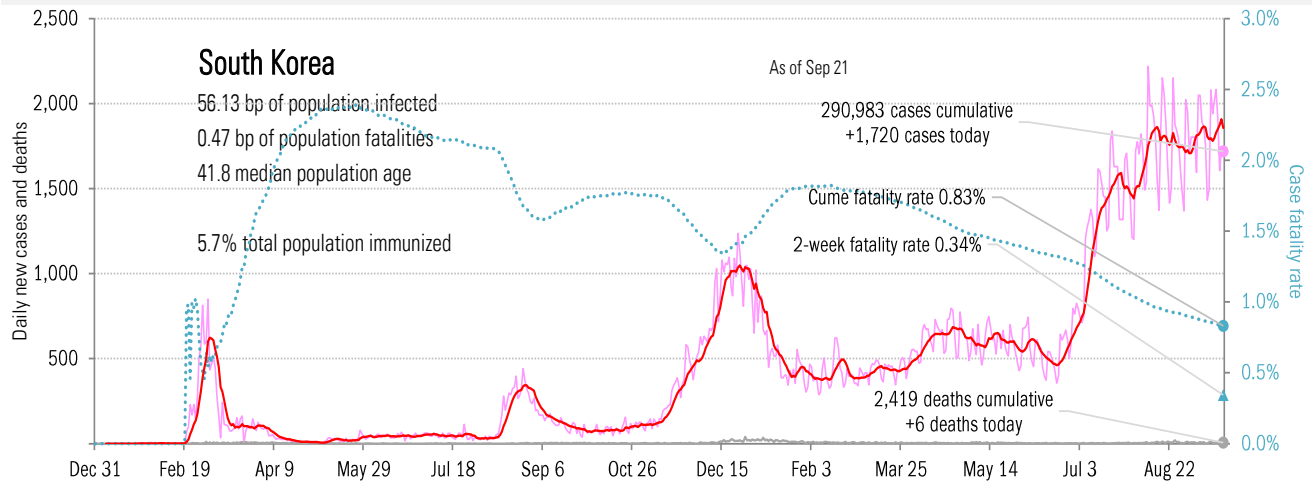
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

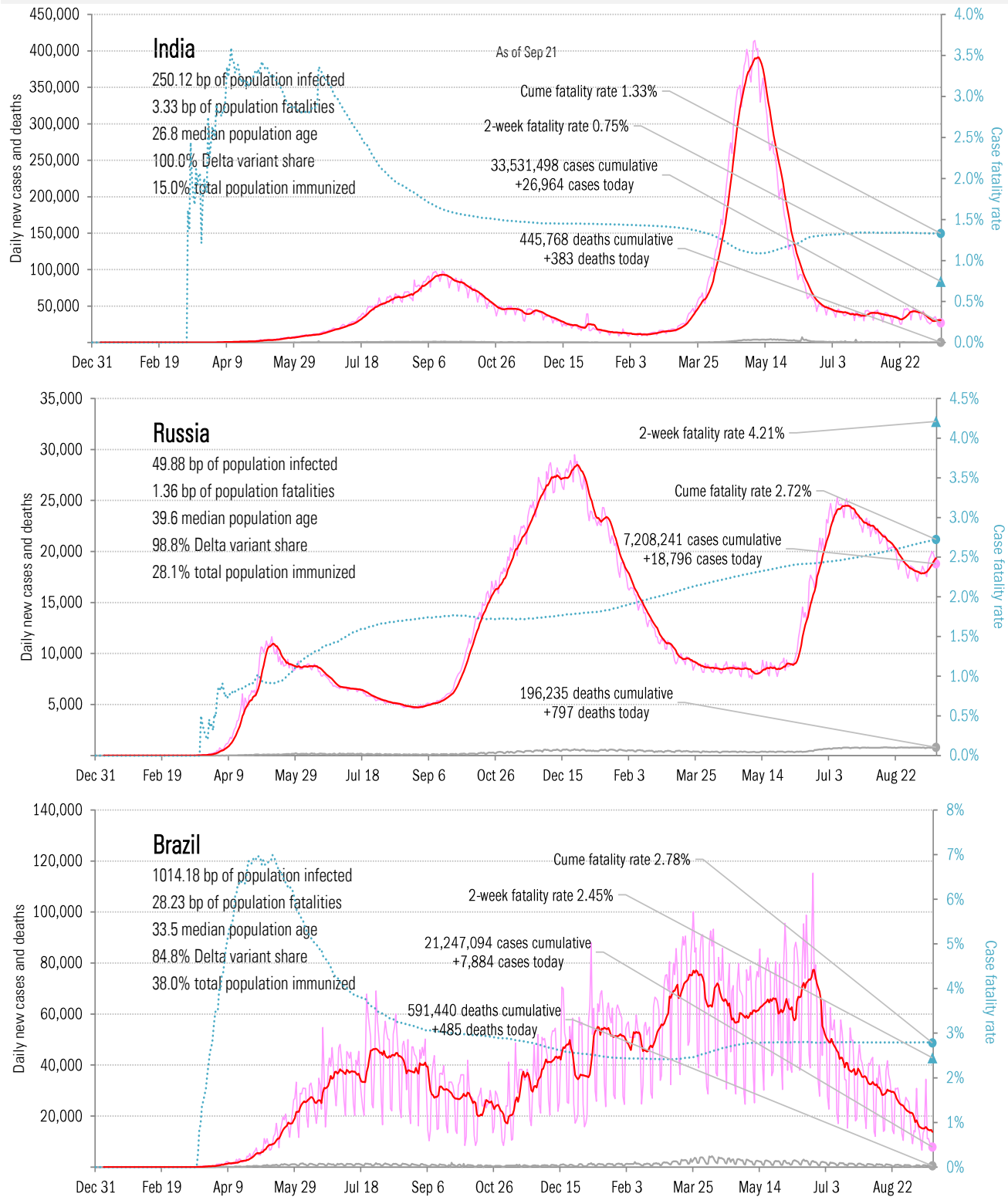
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

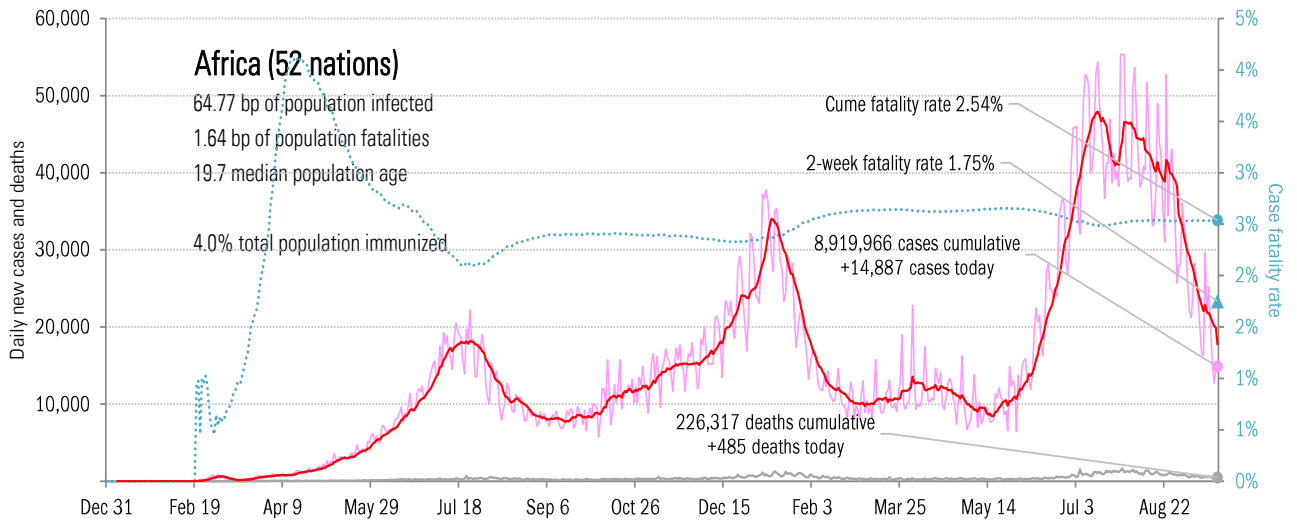
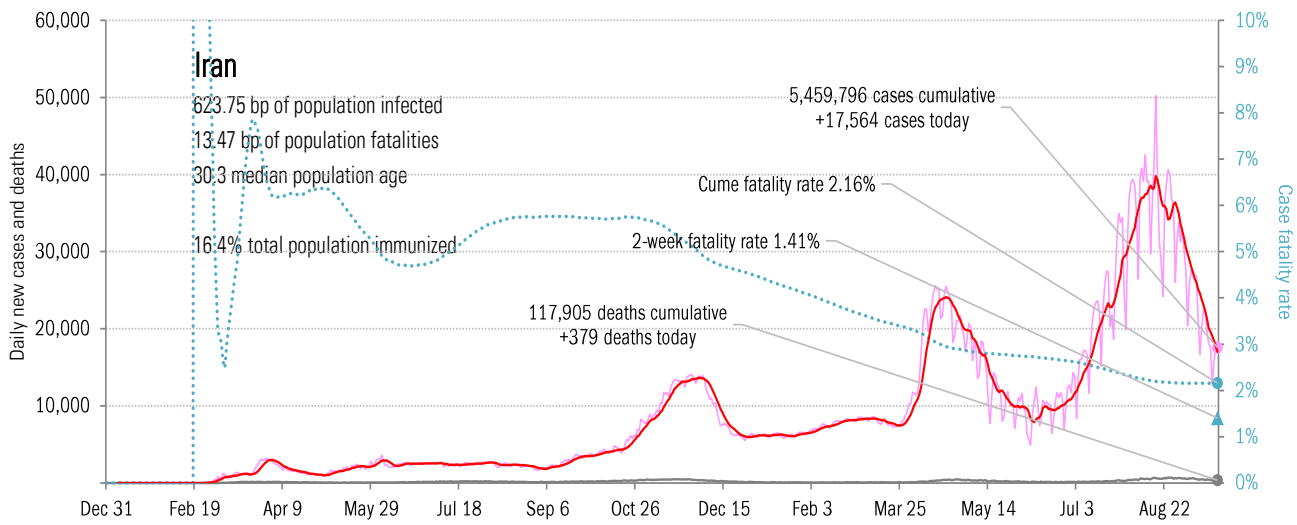
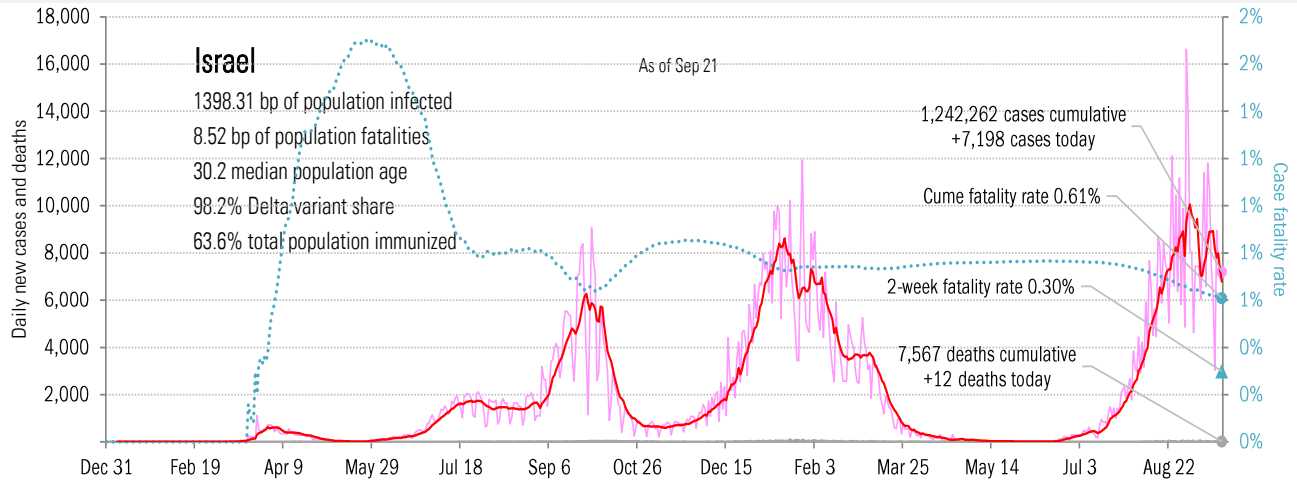
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

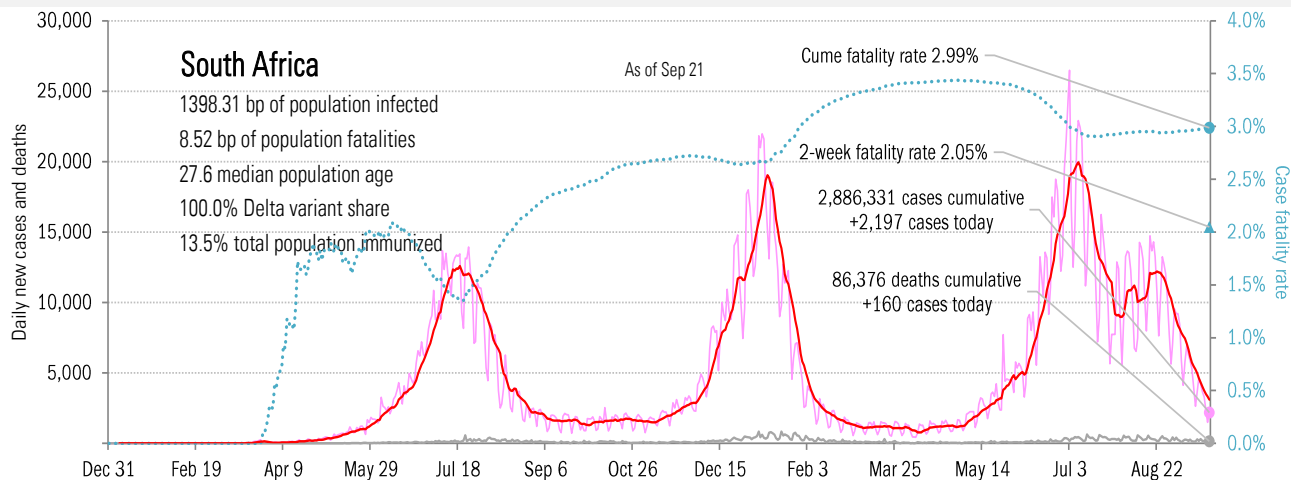
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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