

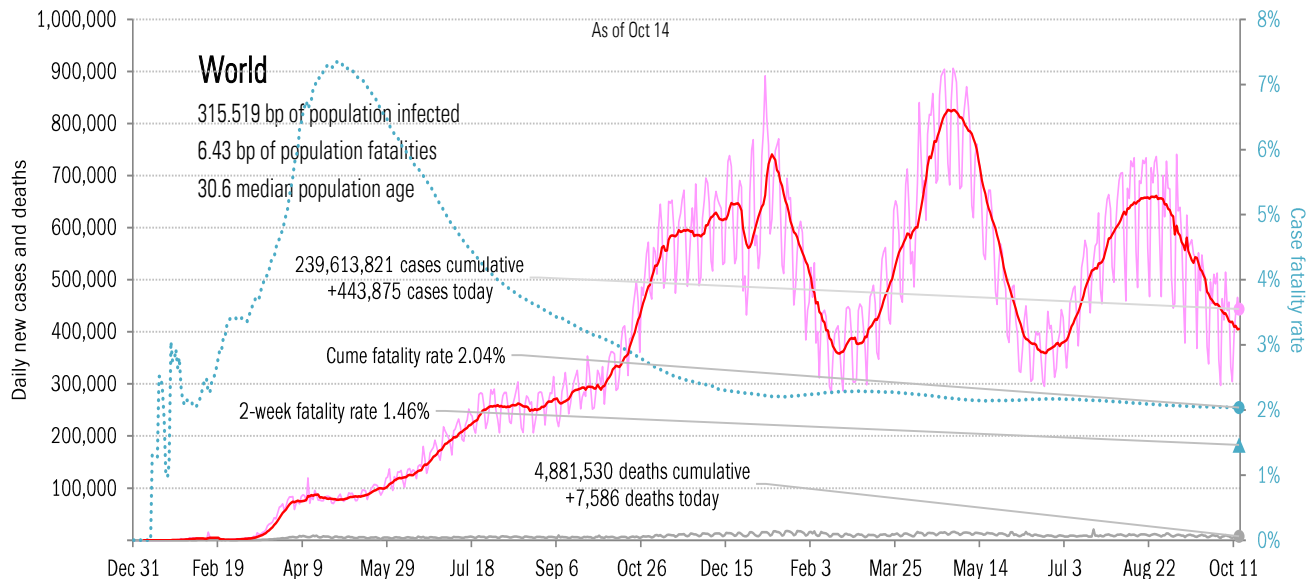
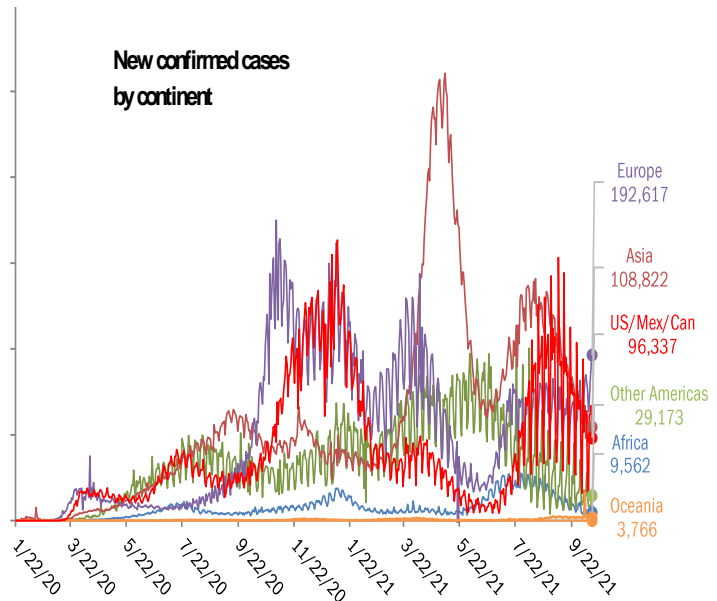
Data Insights: Covid-2019 Monitor

Friday, October 15, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+87,354	United States	+1,783
United Kingdom	+44,745	Russia	+965
Turkey	+30,709	Brazil	+525
Russia	+30,489	Ukraine	+433
Ukraine	+19,691	Mexico	+381
India	+16,862	India	+379
Romania	+16,383	Romania	+304
Brazil	+14,288	Iran	+223
Iran	+11,964	Turkey	+203
Germany	+11,578	United Kingdom	+160
+284,063		+5,356	
World +443,875		World +7,586	
Top ten 64%		Top ten 71%	



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

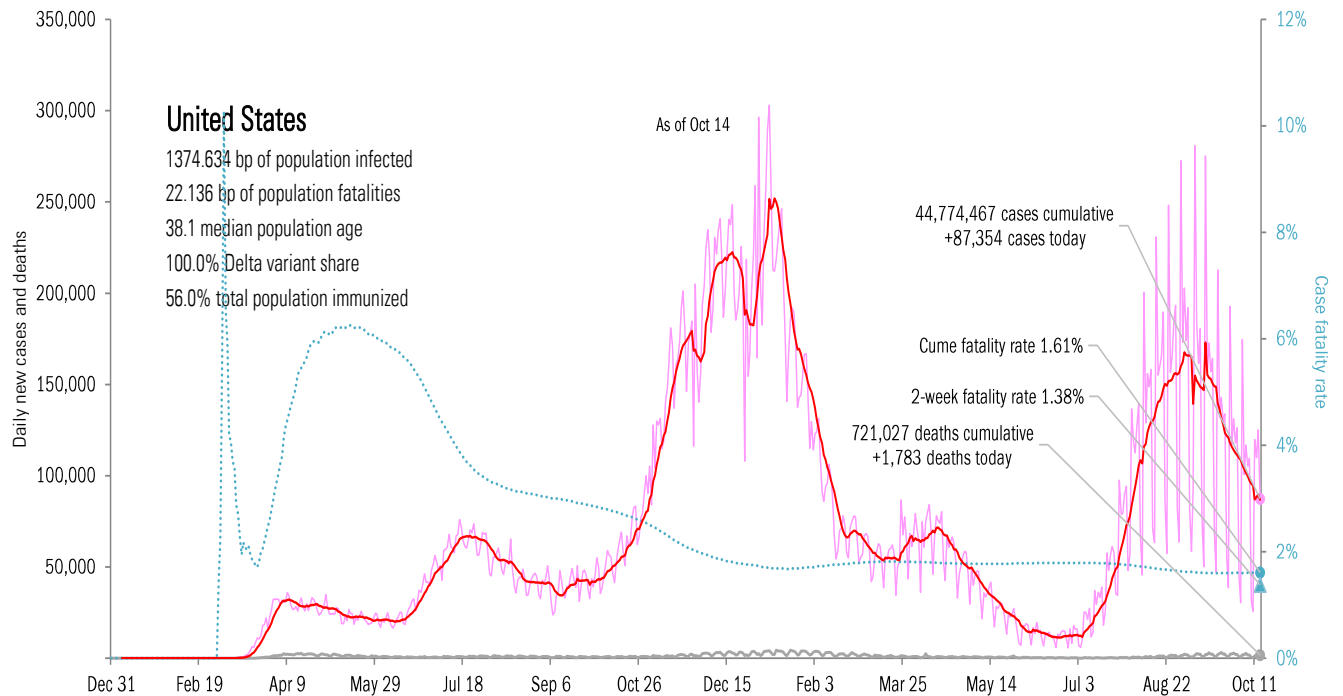
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
TX	+5,742		TX	+222		CO	+45		CA	4,802,761		CA	70,456		TX	367,341		MA	87%	TX	91%
CA	+5,737		FL	+186		AZ	+24		TX	4,168,664		TX	68,467		FL	313,875		RI	87%	ID	90%
PA	+5,253		CA	+156		PA	+20		FL	3,651,851		FL	57,175		CA	302,671		PA	86%	KY	89%
CH	+5,143		GA	+138		MI	+19		NY	2,492,423		NY	55,898		NY	159,437		MD	85%	TN	88%
NY	+4,502		AL	+121		ND	+17		IL	1,663,364		PA	30,336		GA	156,267		GA	84%	AL	88%
NC	+3,761		PA	+108		WA	+15		GA	1,613,794		IL	27,810		CH	117,557		MI	83%	GA	88%
FL	+3,598		IN	+85		KS	+10		PA	1,496,399		NJ	27,673		PA	111,196		MN	82%	OK	87%
CO	+3,179		NC	+80		DC	+9		CH	1,485,514		GA	27,565		KY	108,917		NY	82%	DE	86%
MN	+2,916		VA	+60		GA	+8		NC	1,443,699		CH	23,021		IL	102,309		MO	82%	MT	85%
WI	+2,916		KY	+52		MS	+7		TN	1,260,980		MI	22,864		MI	86,928		ND	82%	NV	85%
+42,747			+1,208			+174			24,079,449			411,265			1,826,498						
All states	+87,354			+1,783			-568		All states	44,774,467			721,027			3,253,970		All states	70%		67%
Top ten	49%			68%			-31%		Top ten	54%			57%			56%		Median	78%		80%

Some states not reporting

Five most improved US states

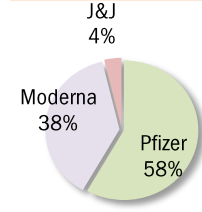
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-16,560	TX	-961	WI	-60	DE	+20 bp
MI	-10,876	OK	-189	MT	-59	HI	+20 bp
IA	-8,167	MI	-126	OK	-48	MO	+20 bp
CR	-2,272	IA	-94	IL	-44	OK	+20 bp
KS	-2,015	CR	-66	MI	-42	SC	+20 bp



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			
	416,841,034				+1.185 million	US	56.0%	64.8%
Total population	223,250,716	67%	193,006,893	58%	+0.399 million	UK	66.4%	72.3%
Age 12 to 17	13,970,732	59%	11,495,411	48%	+0.031 million	France	67.0%	75.1%
Age 18 to 64	154,343,156	76%	133,011,360	65%	+0.330 million	Spain	79.1%	81.0%
Age 65 and over	53,844,976	98%	47,605,131	87%	+0.037 million	Germany	65.1%	68.2%
						Italy	69.6%	76.3%
						Australia	53.9%	70.2%
						Israel	64.8%	70.5%
						Canada	72.5%	77.4%
						Japan	66.4%	75.1%
						Africa	5.0%	7.6%
						India	19.8%	49.7%
						Brazil	47.0%	72.4%
						China	72.6%	76.2%



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



Every American >18 immune in **64 days** by Dec 16, 2021
 69.9% of population >18 immunized
 16.0% previously tested positive
85.9% vs 60% adult herd immunity

AK
58.2%
51.4%

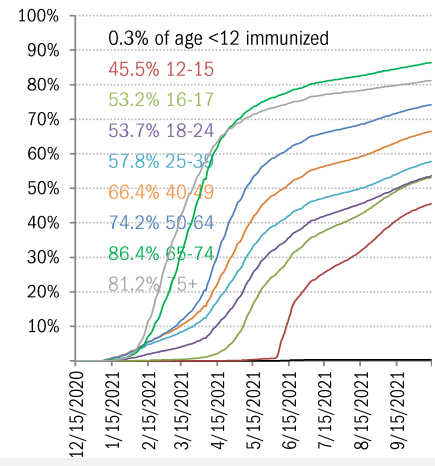
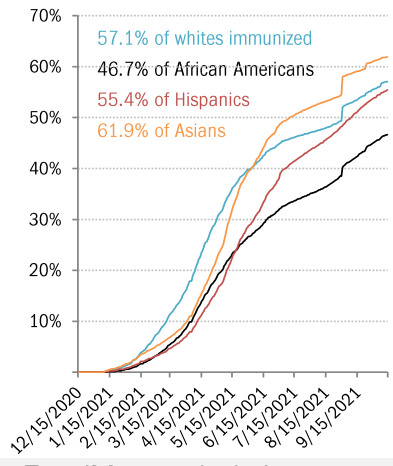
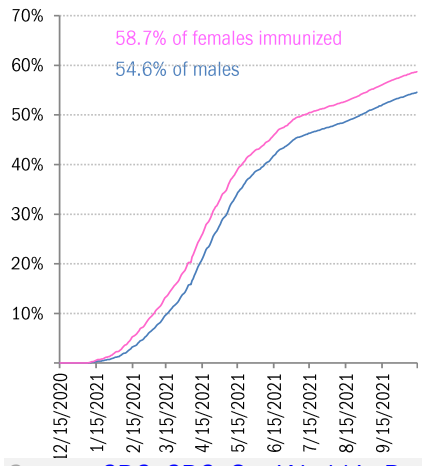
WI
61.8%
57.4%

ME
75.1%
69.4%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
68.2%	48.0%	55.7%	52.1%	64.2%	69.4%	57.4%	72.4%	78.6%	72.3%	
62.3%	42.6%	49.3%	45.2%	59.0%	54.3%	52.8%	64.8%	70.4%	62.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
67.4%	61.9%	49.6%	60.5%	58.8%	52.9%	55.0%	74.7%	73.6%	78.6%	
61.9%	51.8%	42.7%	52.5%	54.7%	49.1%	51.0%	59.0%	65.3%	68.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
73.0%	60.0%	66.5%	60.1%	55.8%	61.9%	48.6%	69.6%	71.7%	77.5%	76.5%
60.1%	52.2%	60.4%	55.4%	48.9%	53.7%	40.8%	61.8%	65.1%	69.7%	69.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	60.2%	73.6%	61.0%	56.5%	53.6%	61.8%	56.3%	72.3%	67.7%	
	52.0%	64.1%	52.2%	46.6%	46.6%	51.5%	48.7%	61.2%	58.8%	
			OK	LA	MS	AL	GA			
			57.7%	52.6%	51.0%	53.4%	55.8%			
			48.8%	46.5%	44.5%	43.7%	46.8%			
			TX					FL		PR
			60.4%					67.9%		80.4%
			52.3%					58.6%		71.9%

HI
77.6%
58.9%

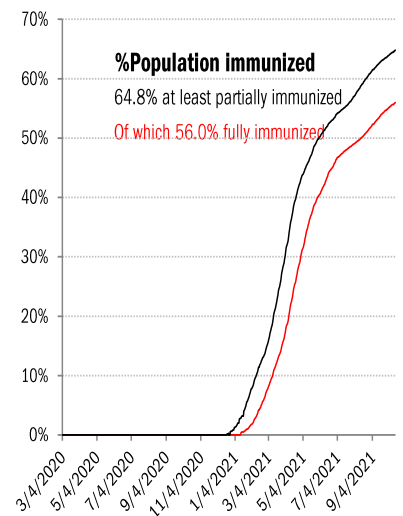
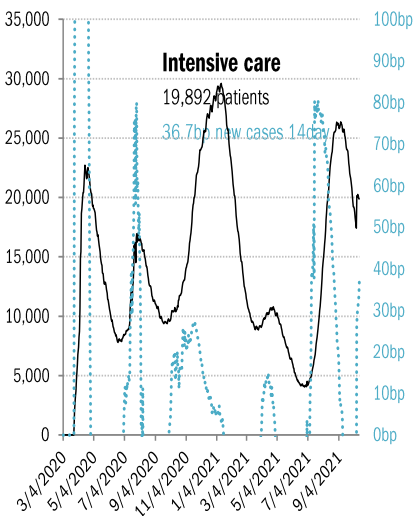
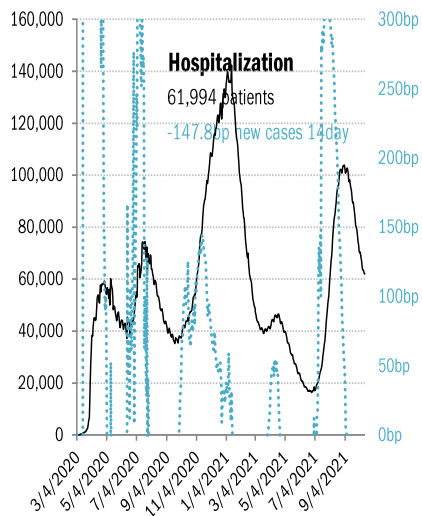
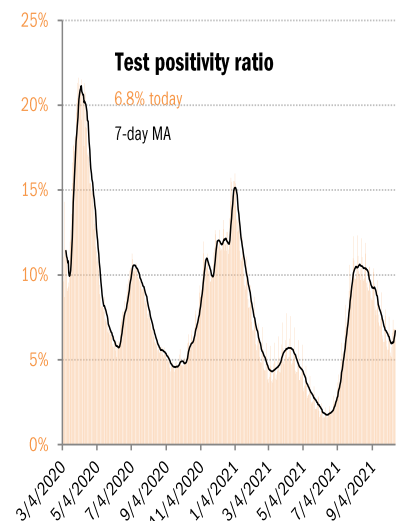
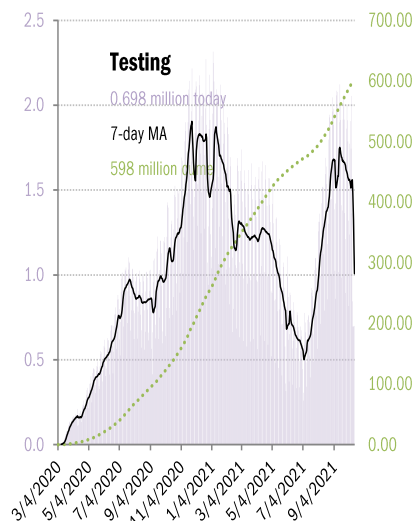
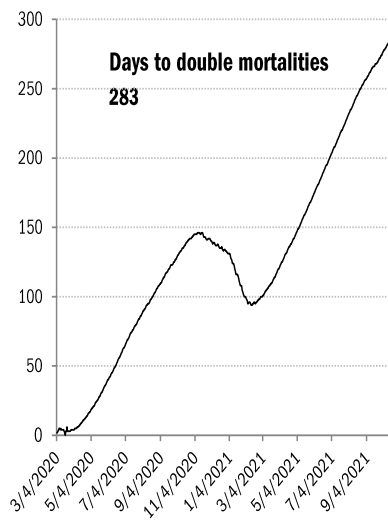
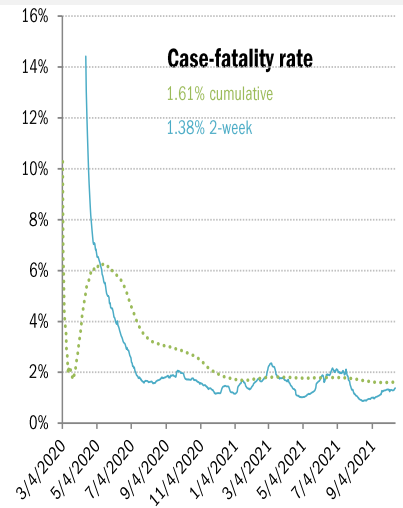
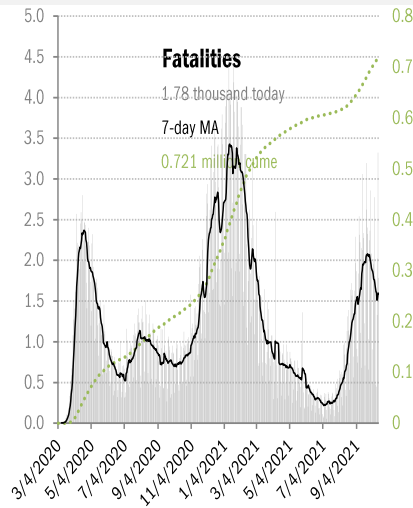
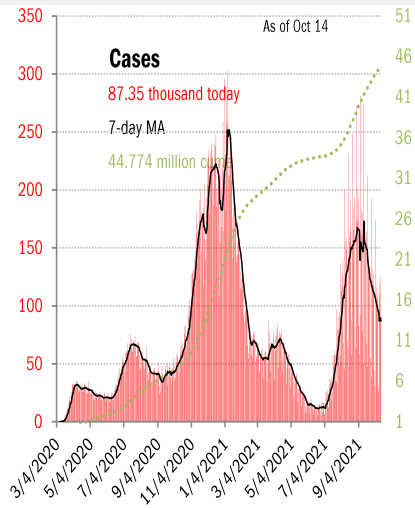
The demographics of US vaccination



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

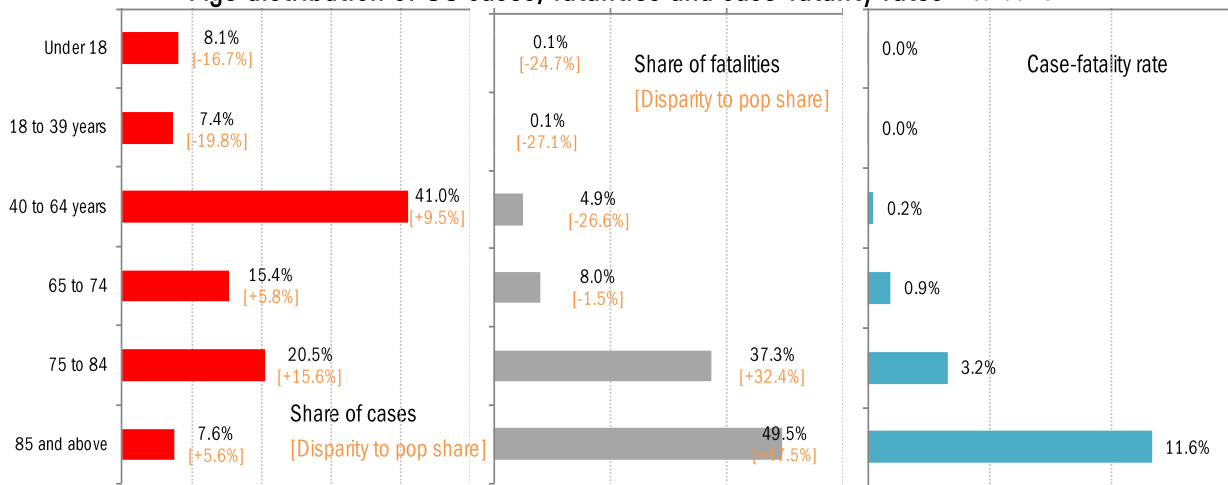
US deep-dive

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

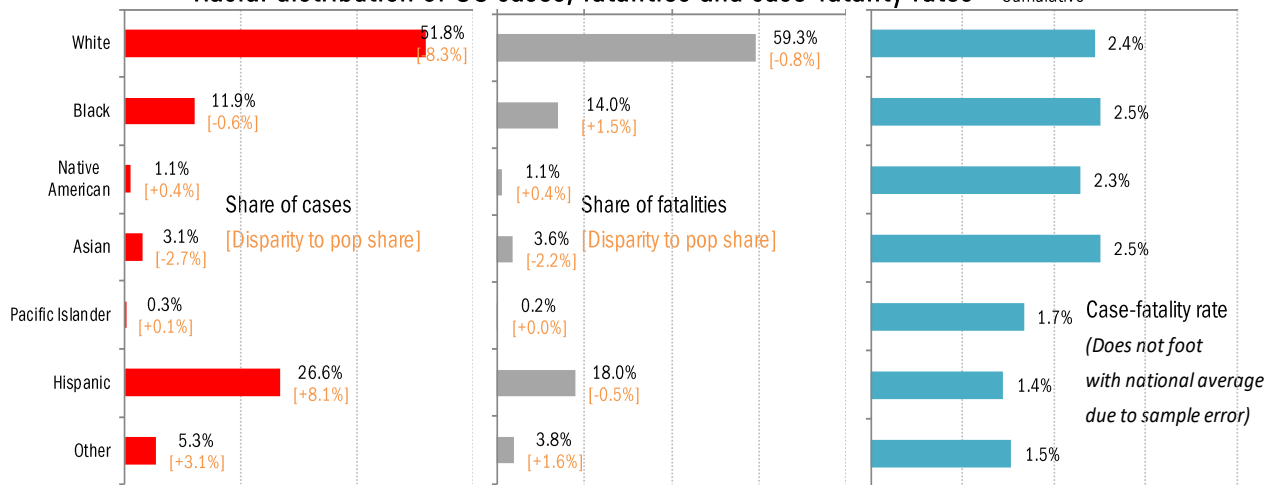


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

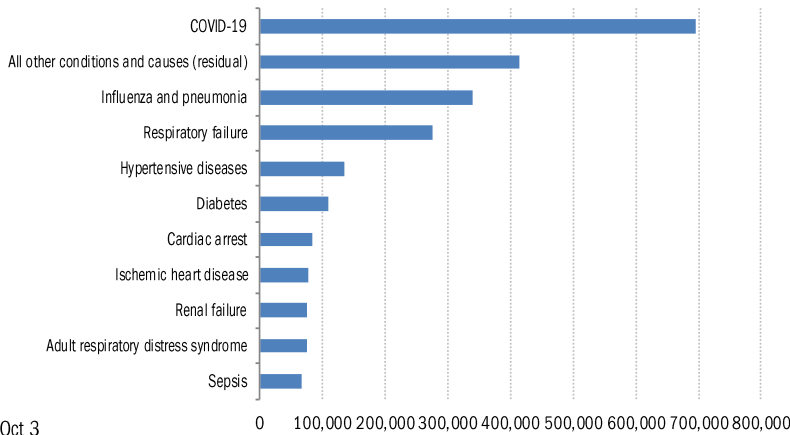


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Oct 3

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

[Biden's Moderna Vaccine Double-Cross](#)

Wall Street Journal

October 14, 2021

[Governors Say Employees 'Getting Kicked to the Curb' as OSHA Creates Biden's Vax Mandate for Private Companies](#)

Steve Warren

CBN

October 13, 2021

[Joe Rogan confronts Sanjay Gupta about CNN's lies concerning his ivermectin use](#)

Remington Reid

Twitter

October 13, 2021

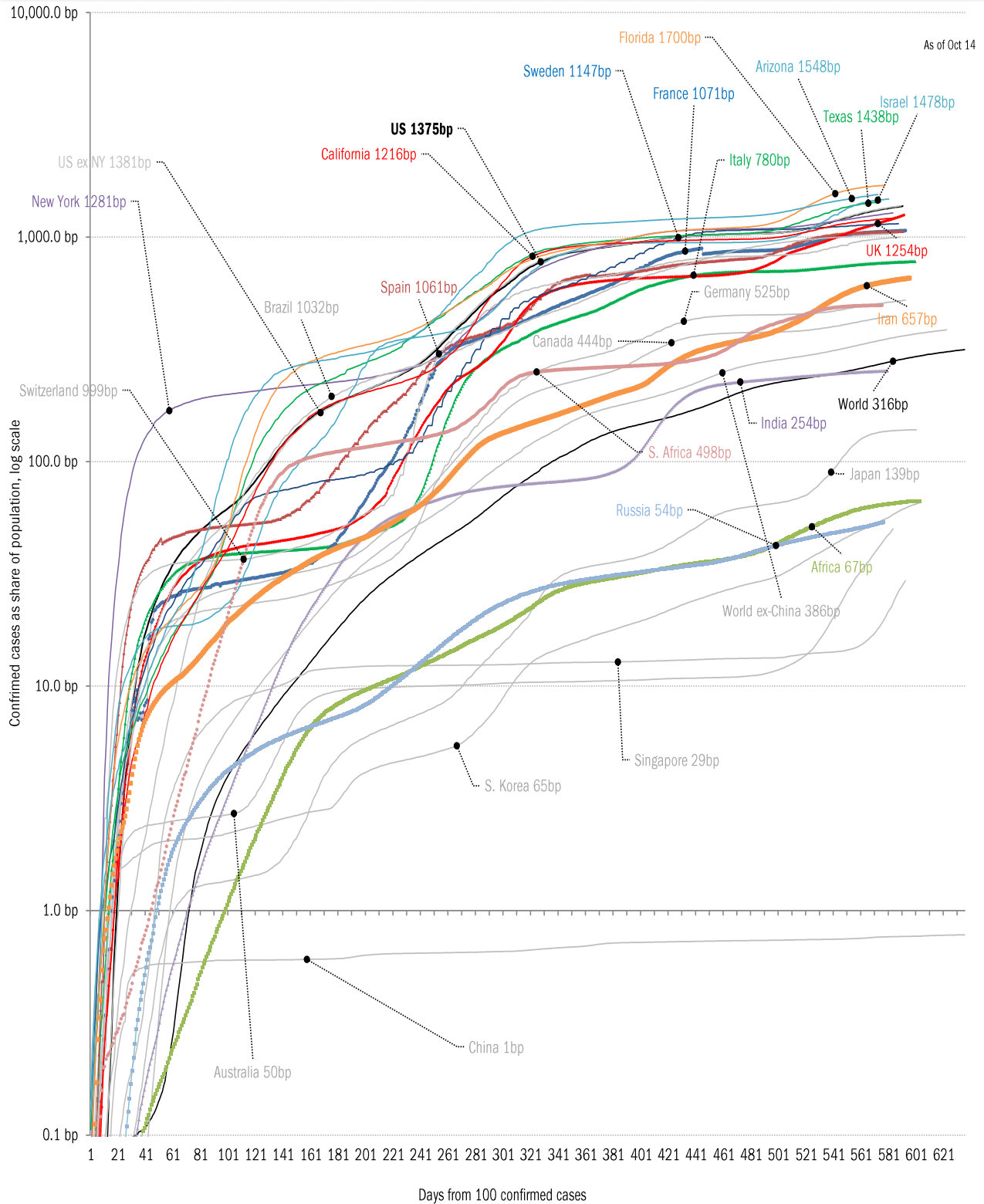
Meme of the day



CDC Reminds People To Listen To All Medical Professionals Except For The Tens Of Thousands Who Refused The Vaccine

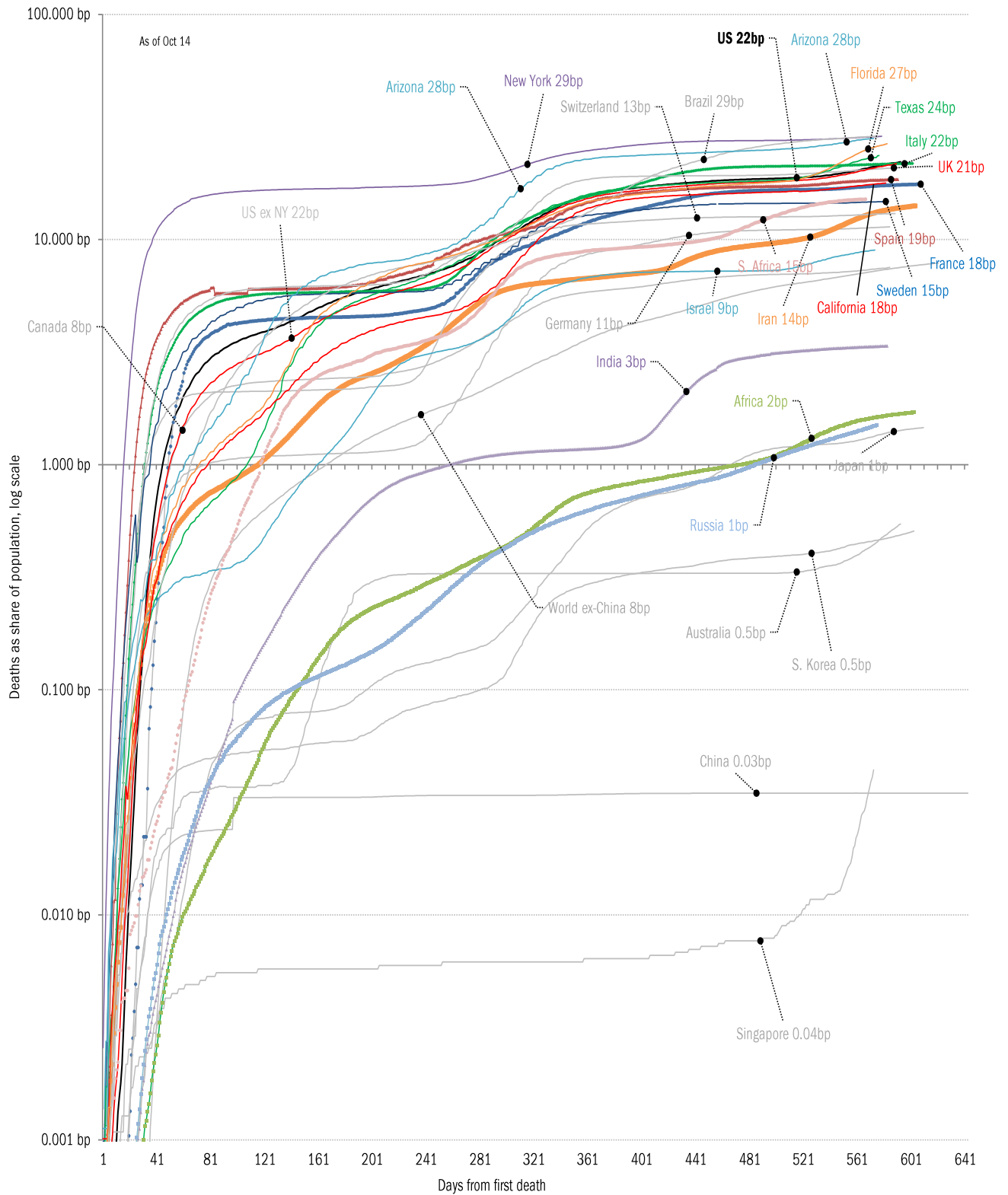
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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](https://www.jhu.edu/), TrendMacro calculations

The coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality, log scale

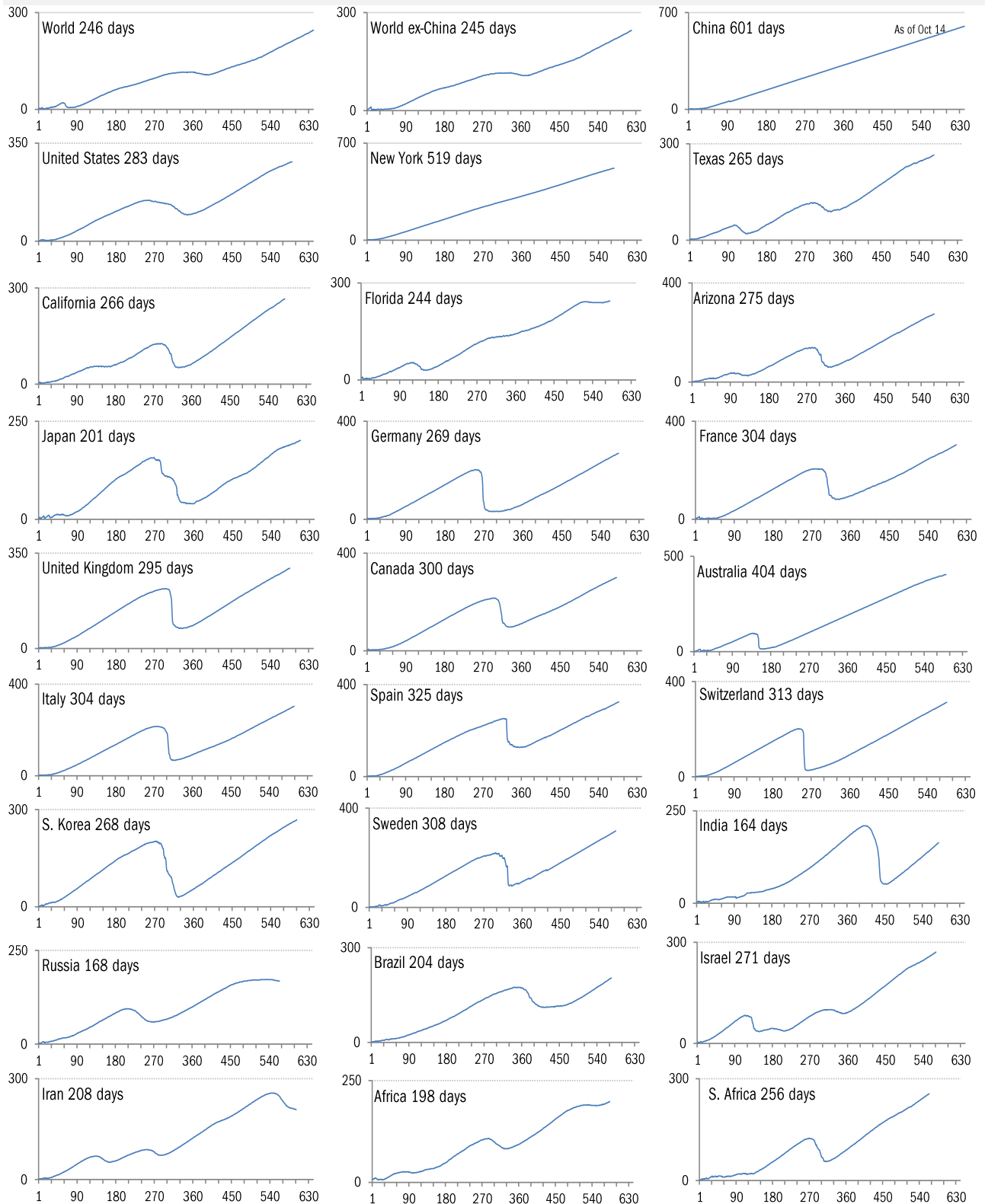


Source: [Johns Hopkins](#), TrendMacro calculations

"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

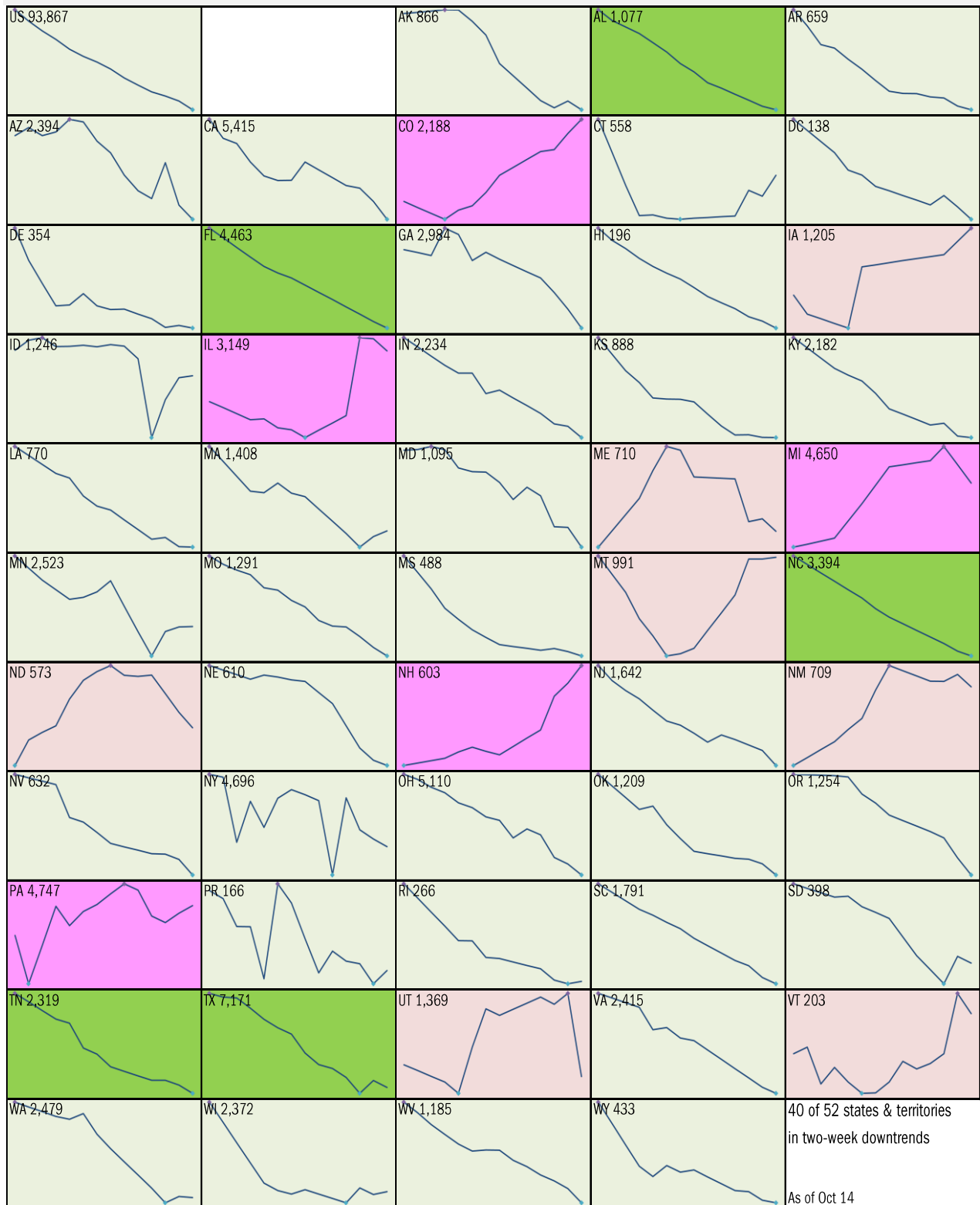


Source: [Johns Hopkins](#), TrendMacro calculations

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

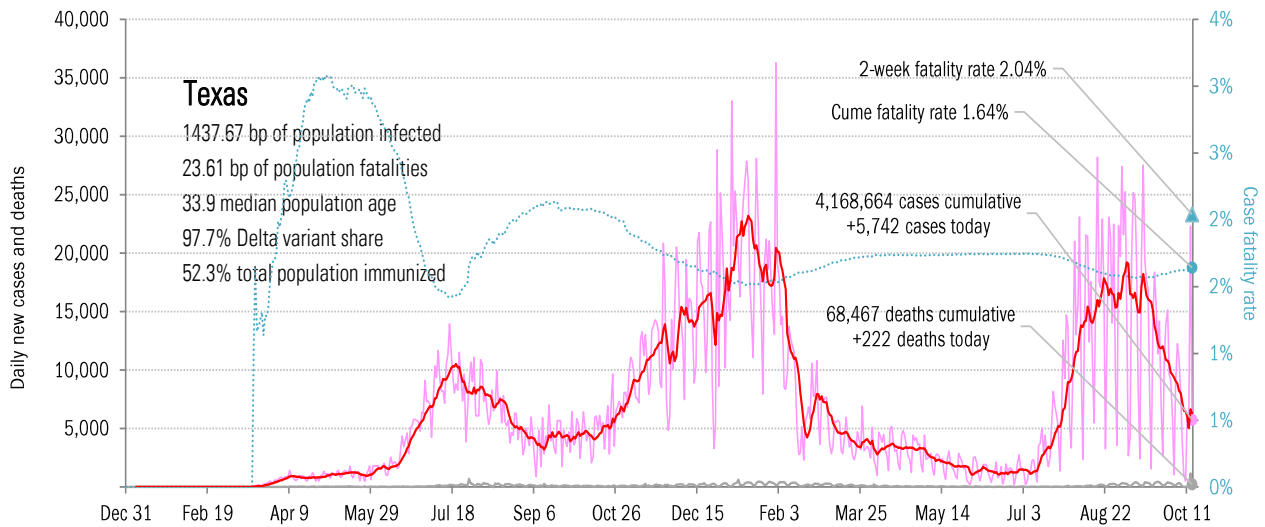
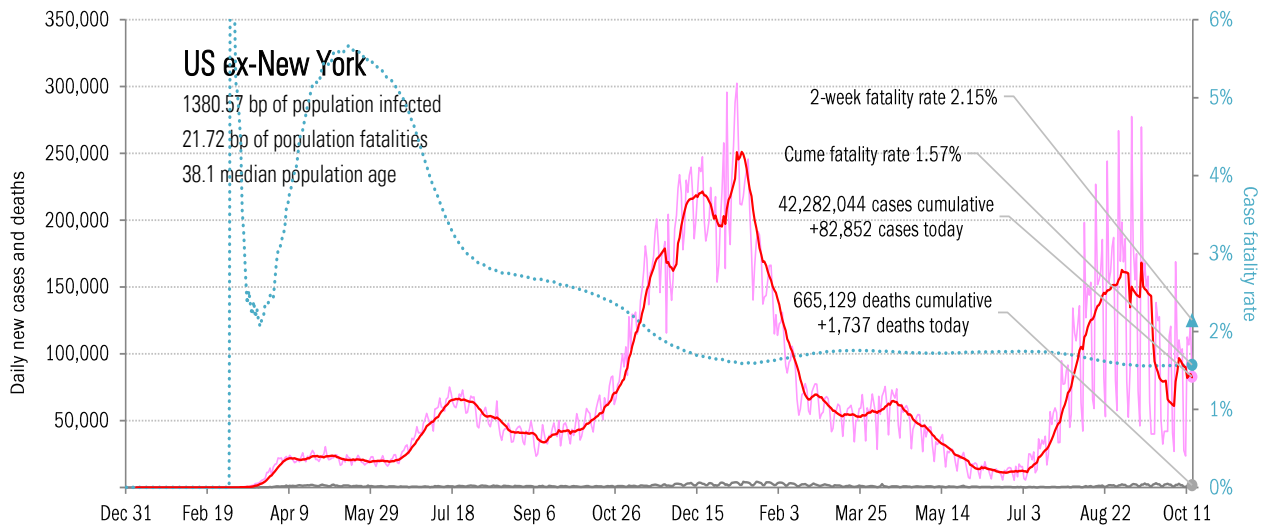
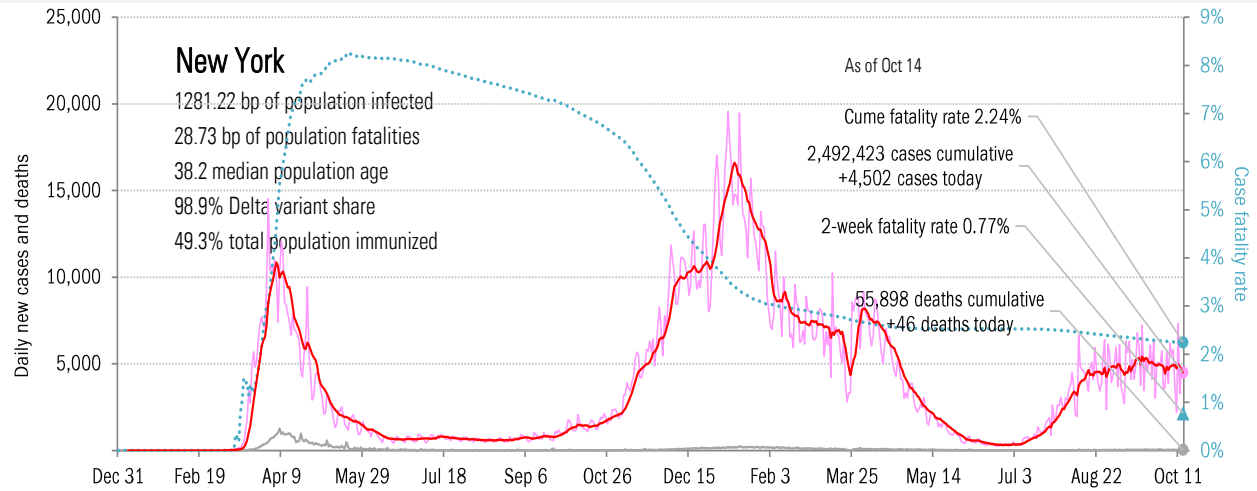
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

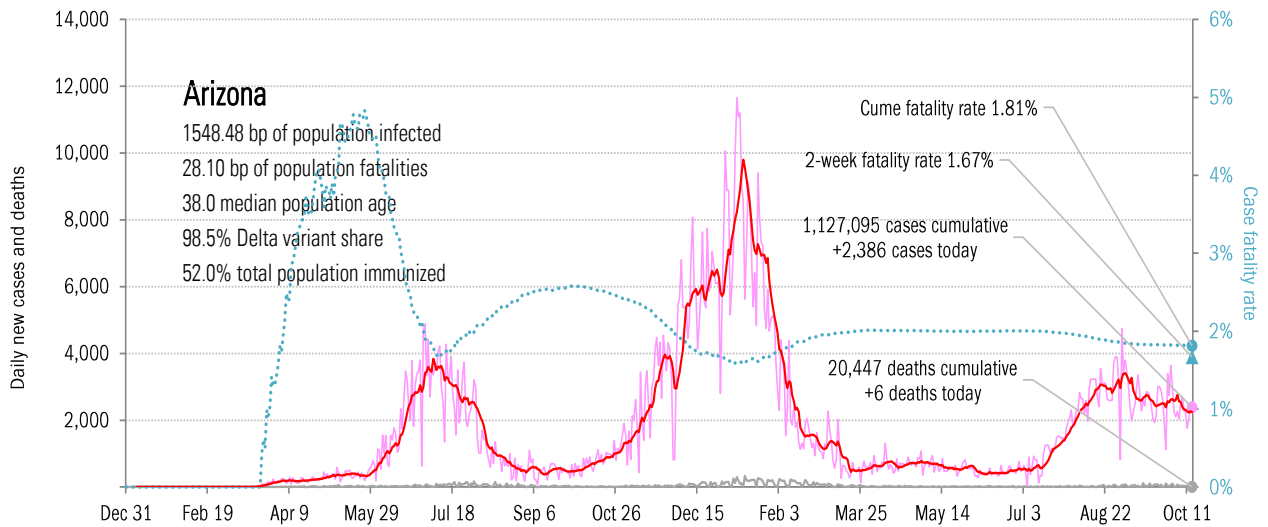
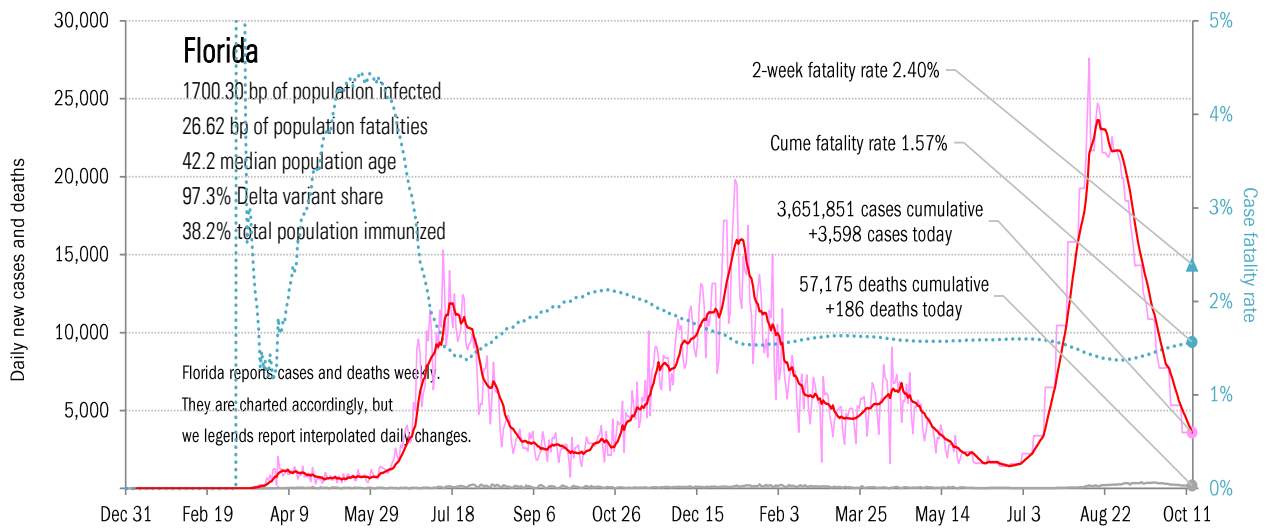
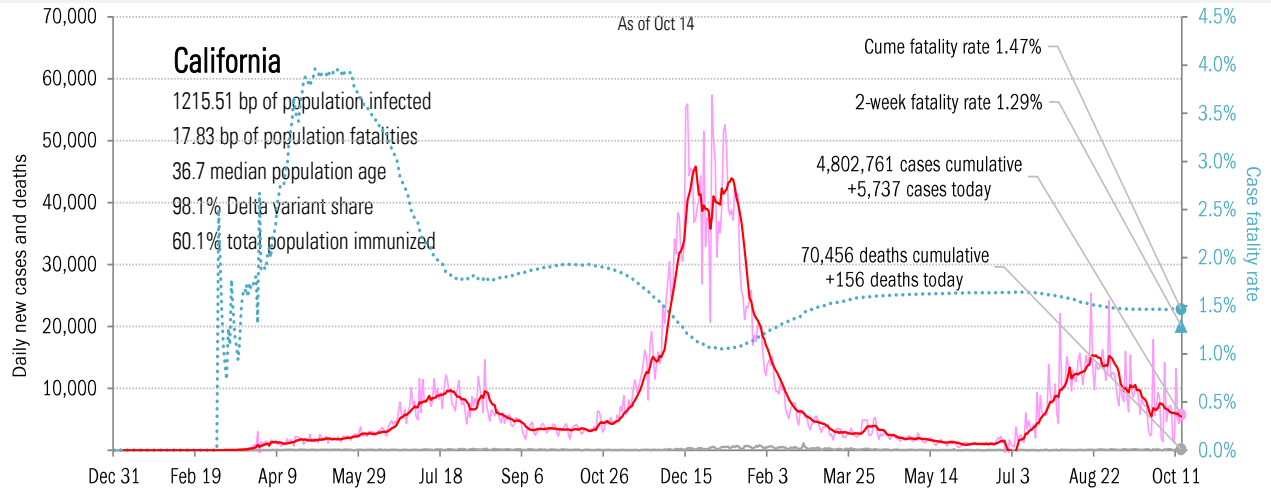
Cases: 7-day average and daily Deaths: Daily



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

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

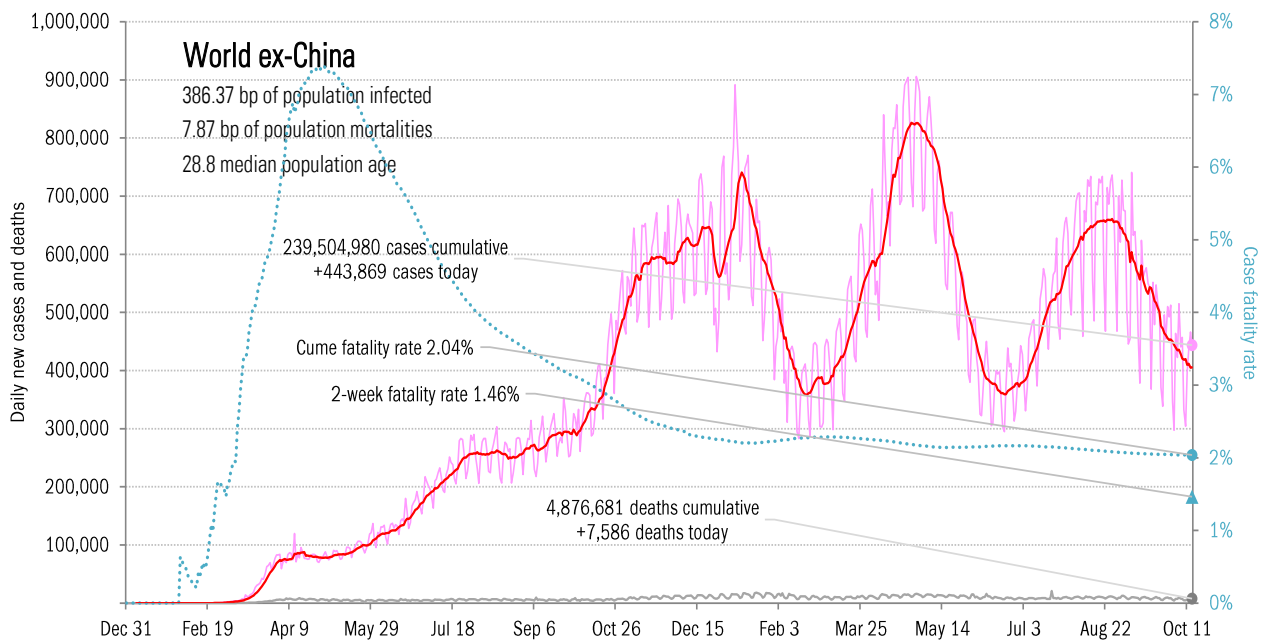
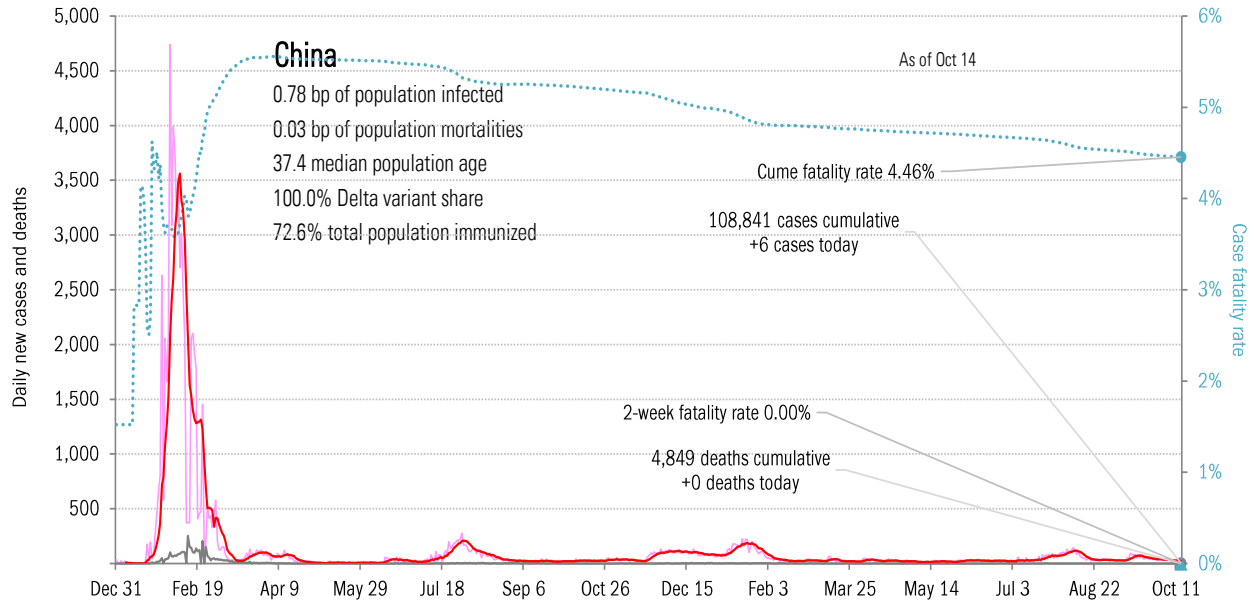
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

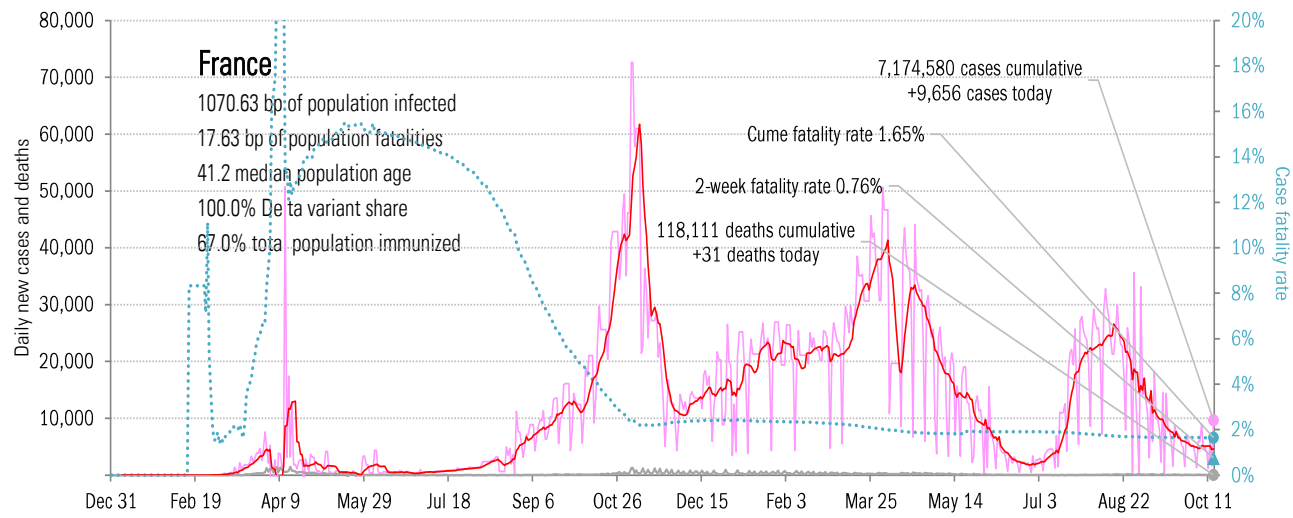
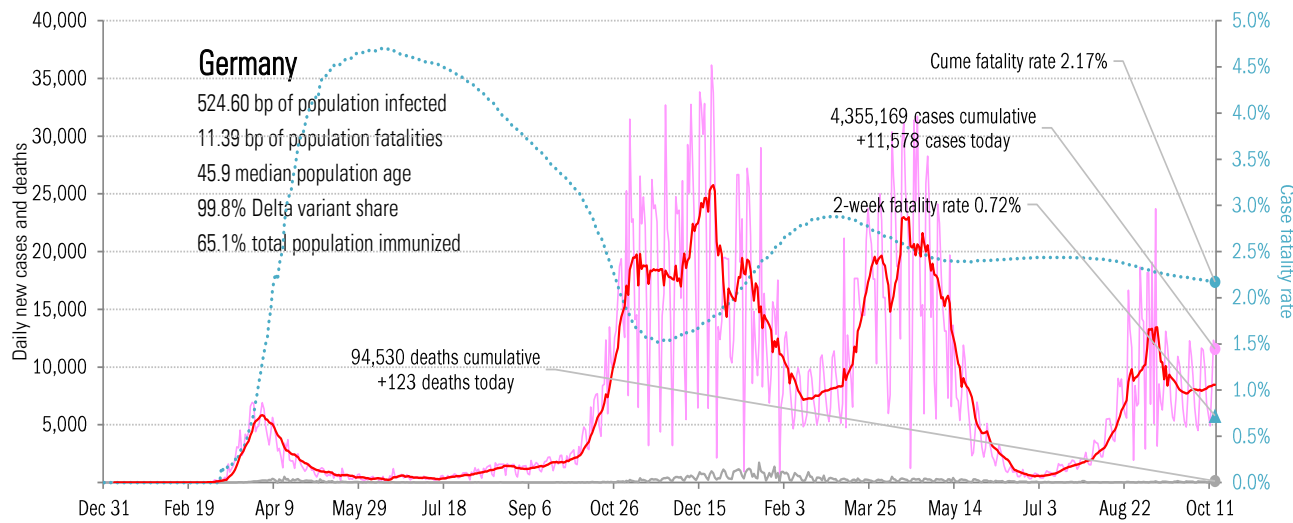
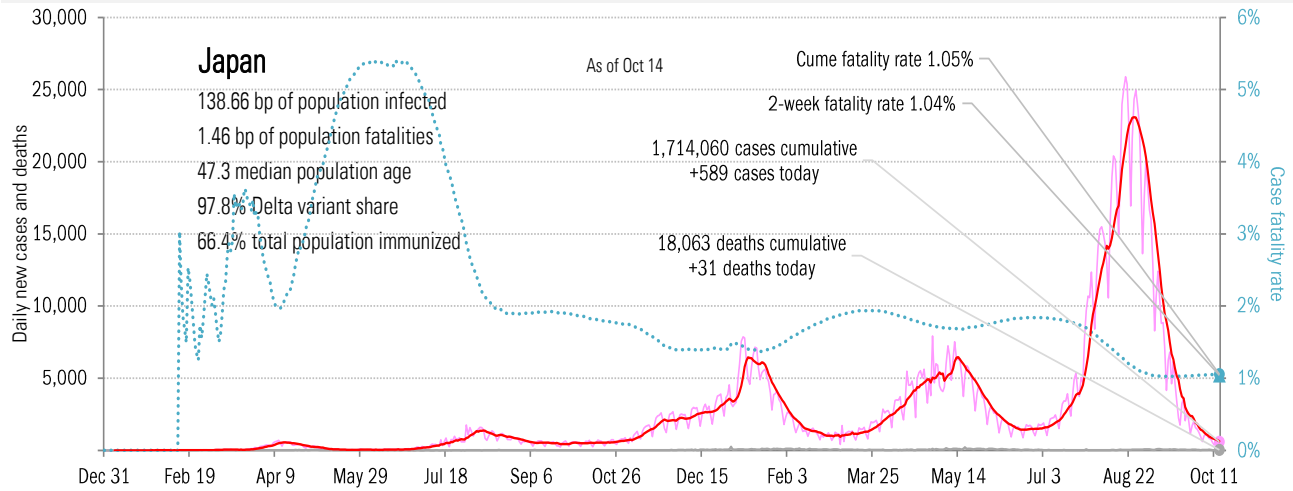
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

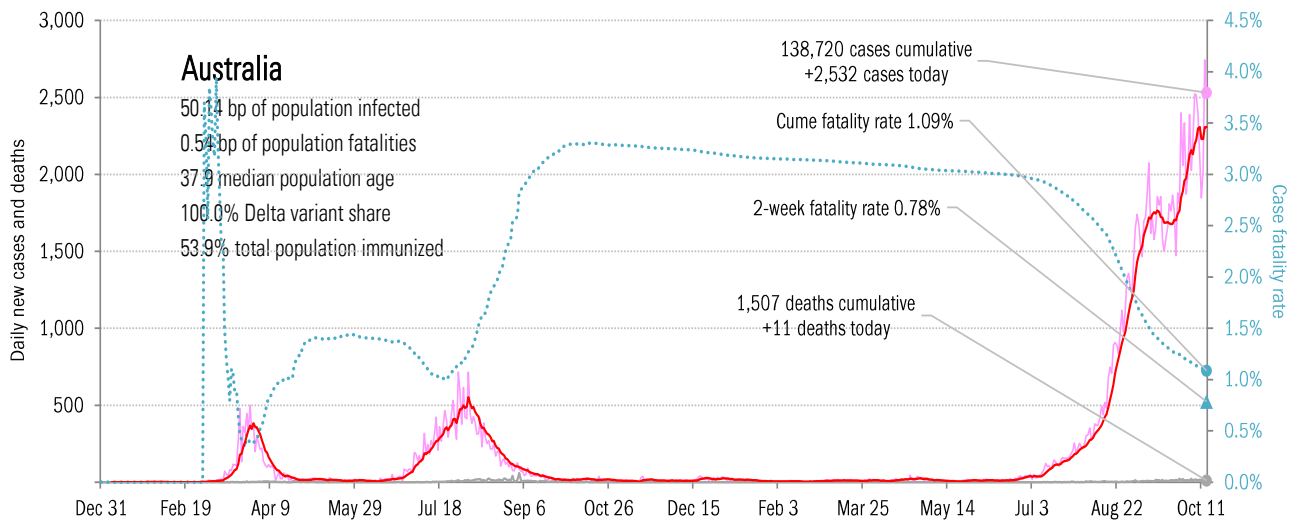
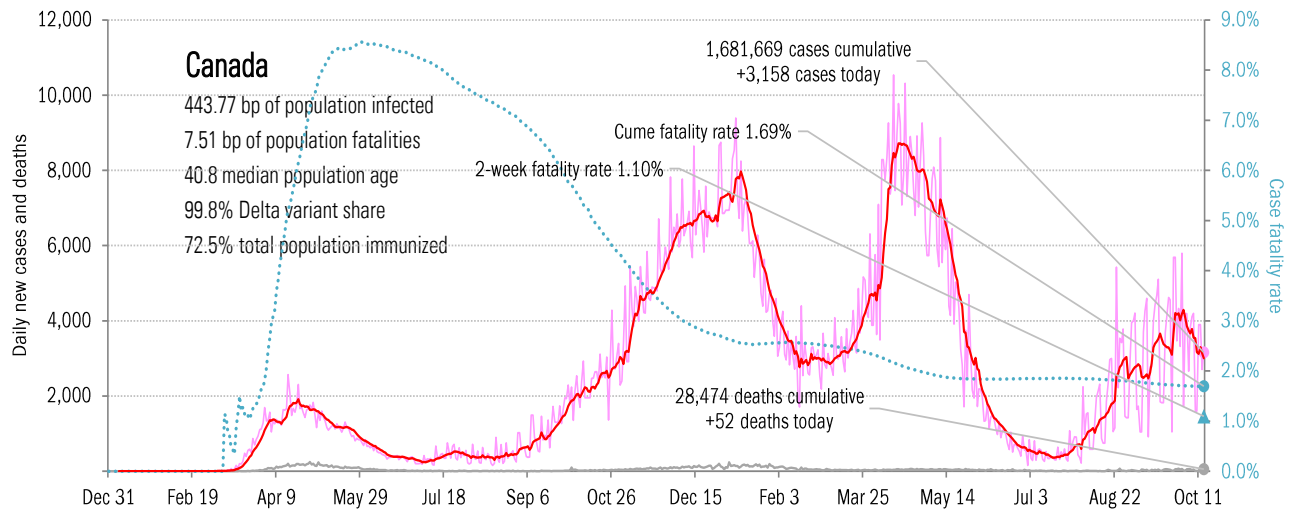
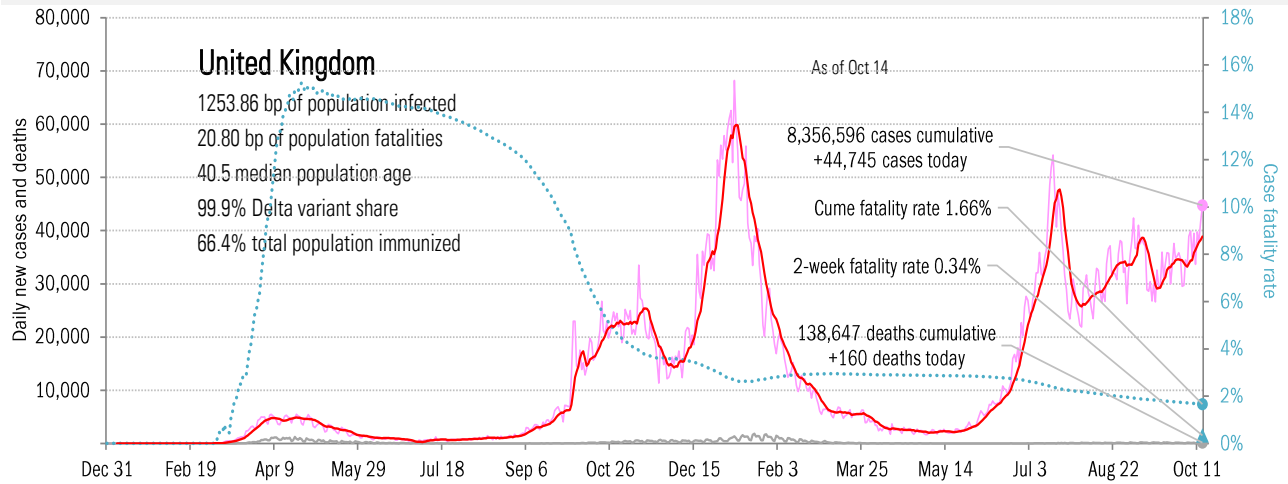
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

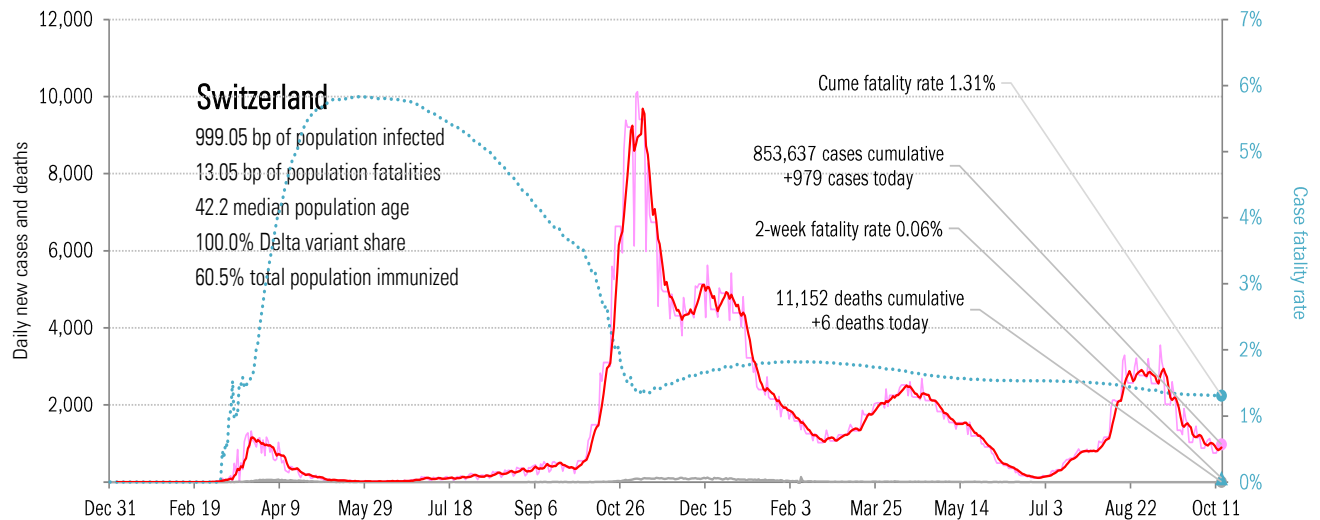
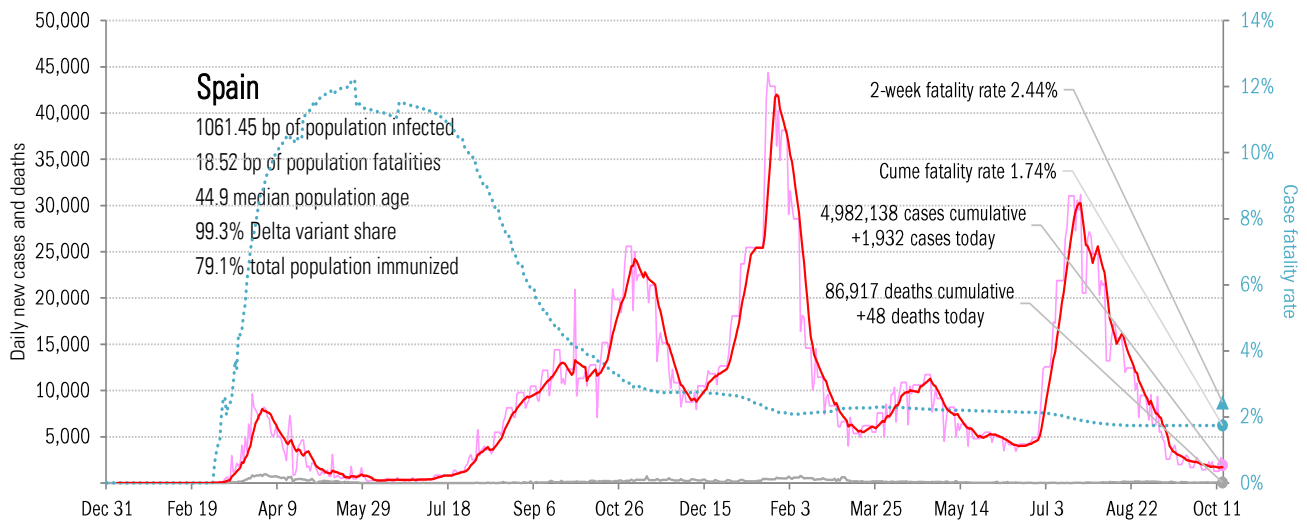
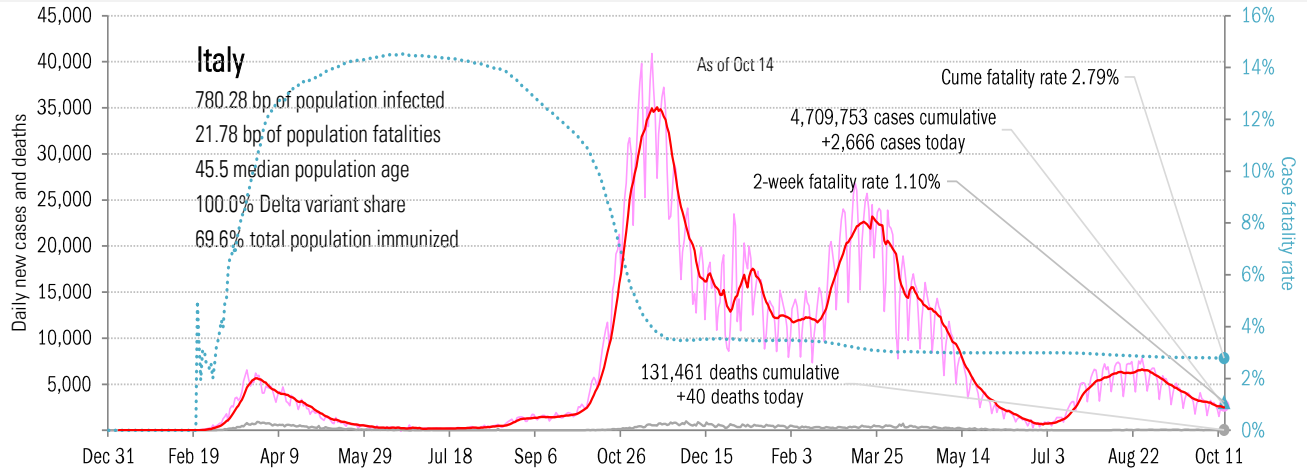
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

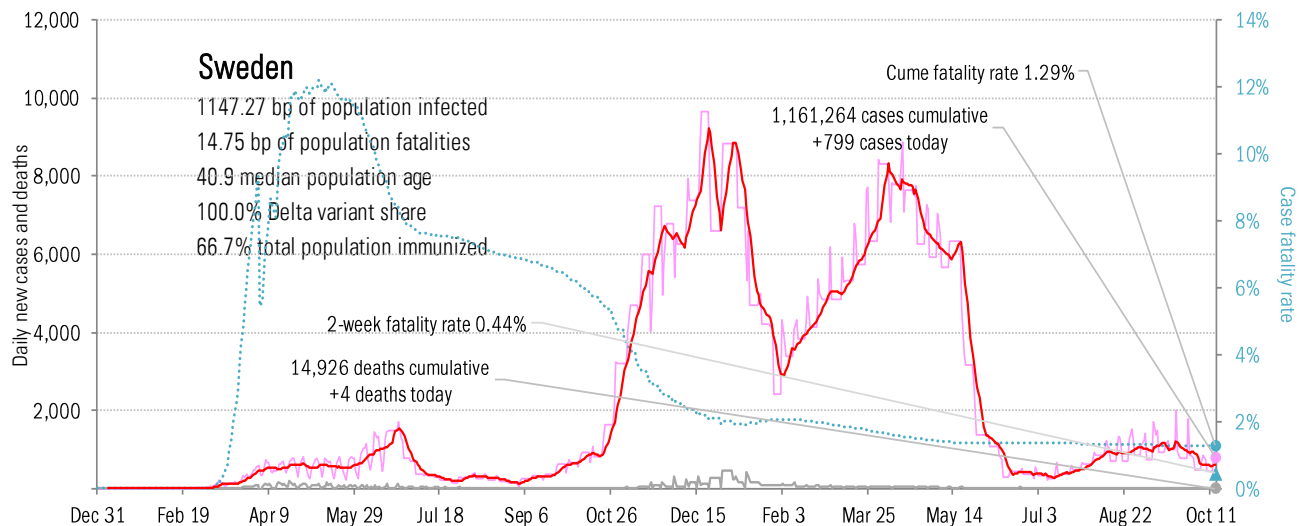
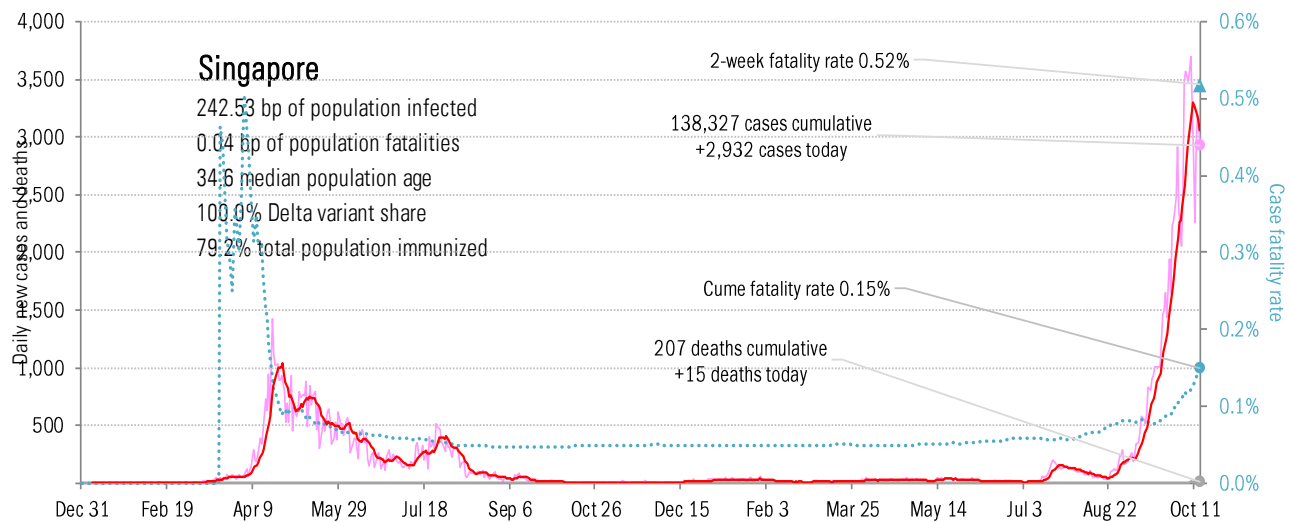
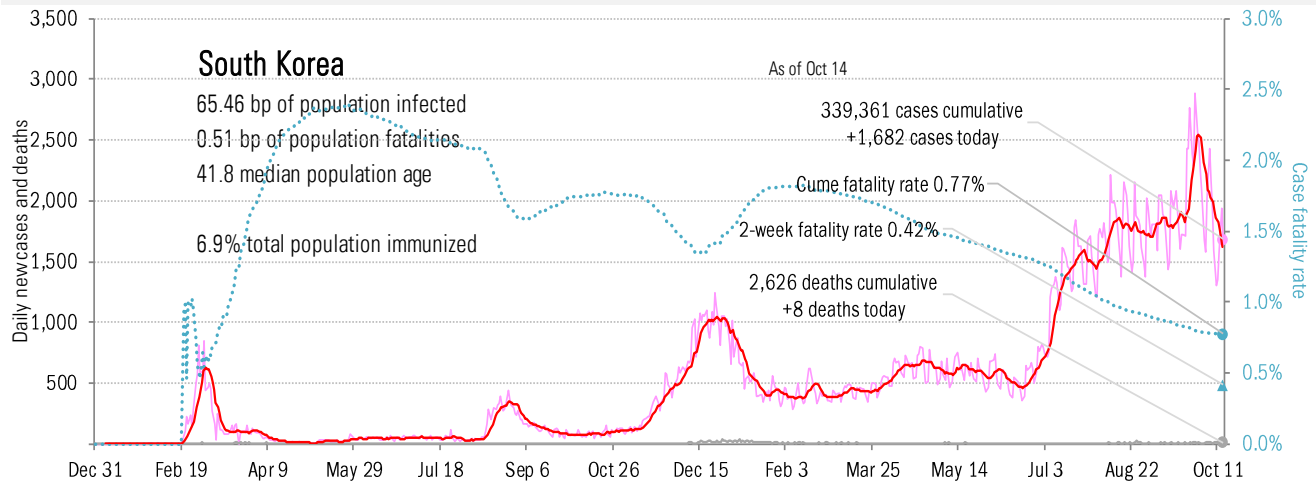
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

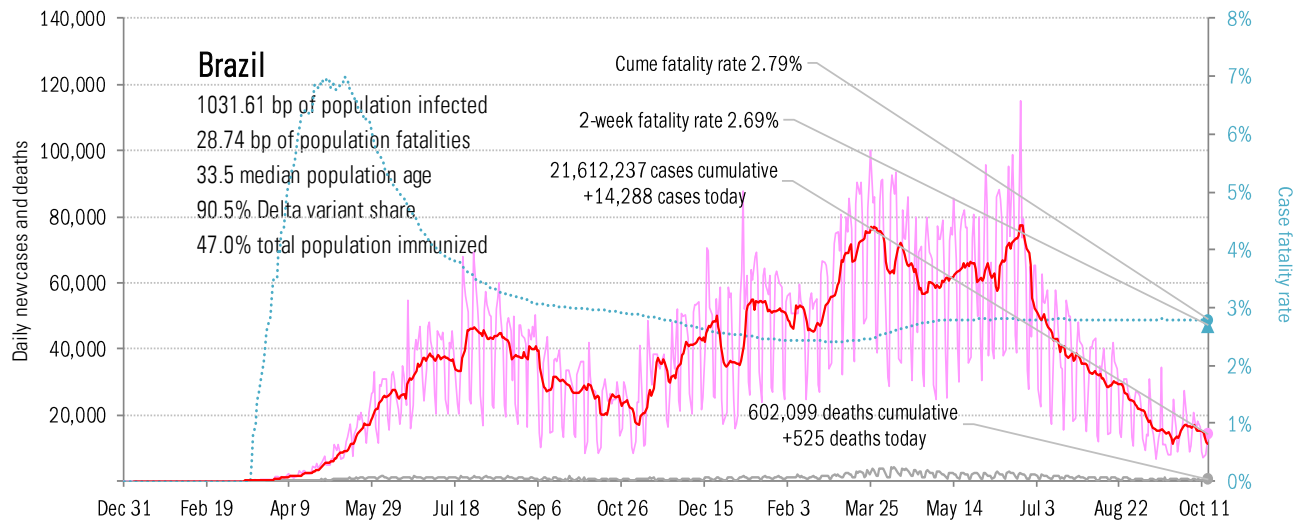
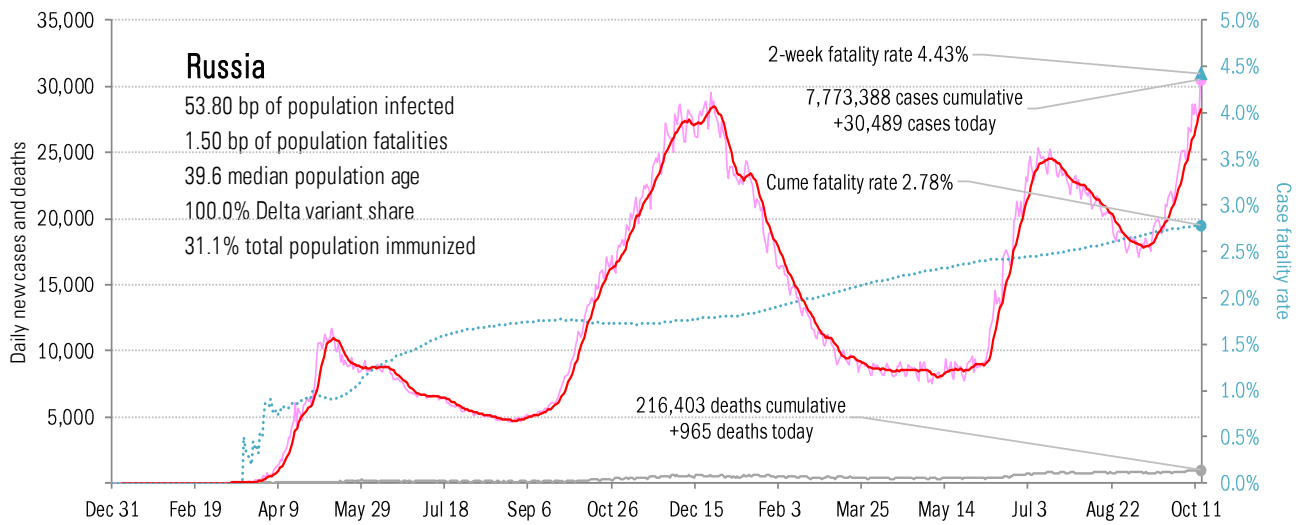
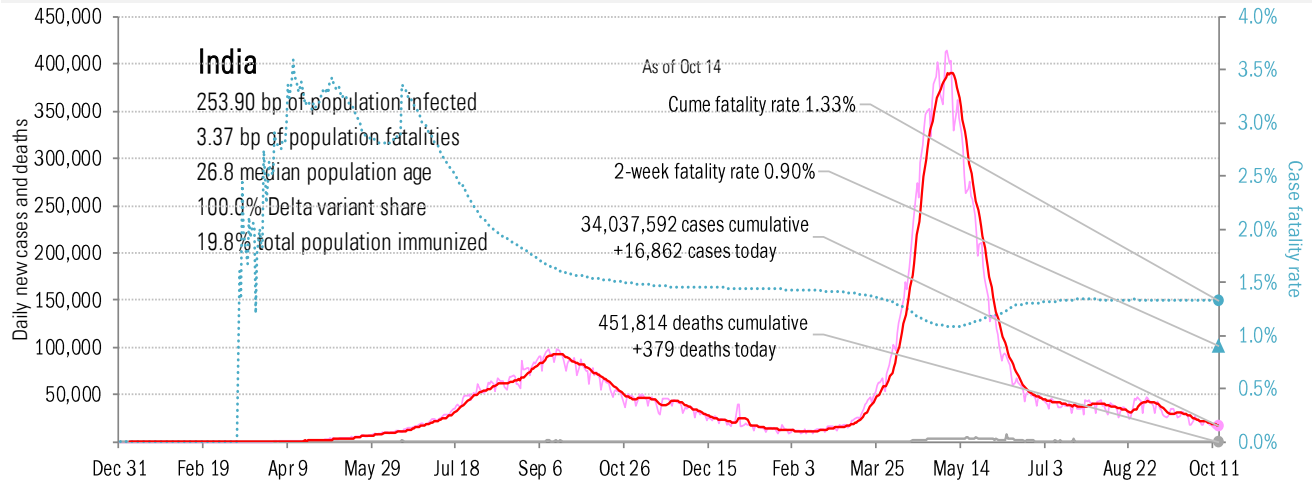
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

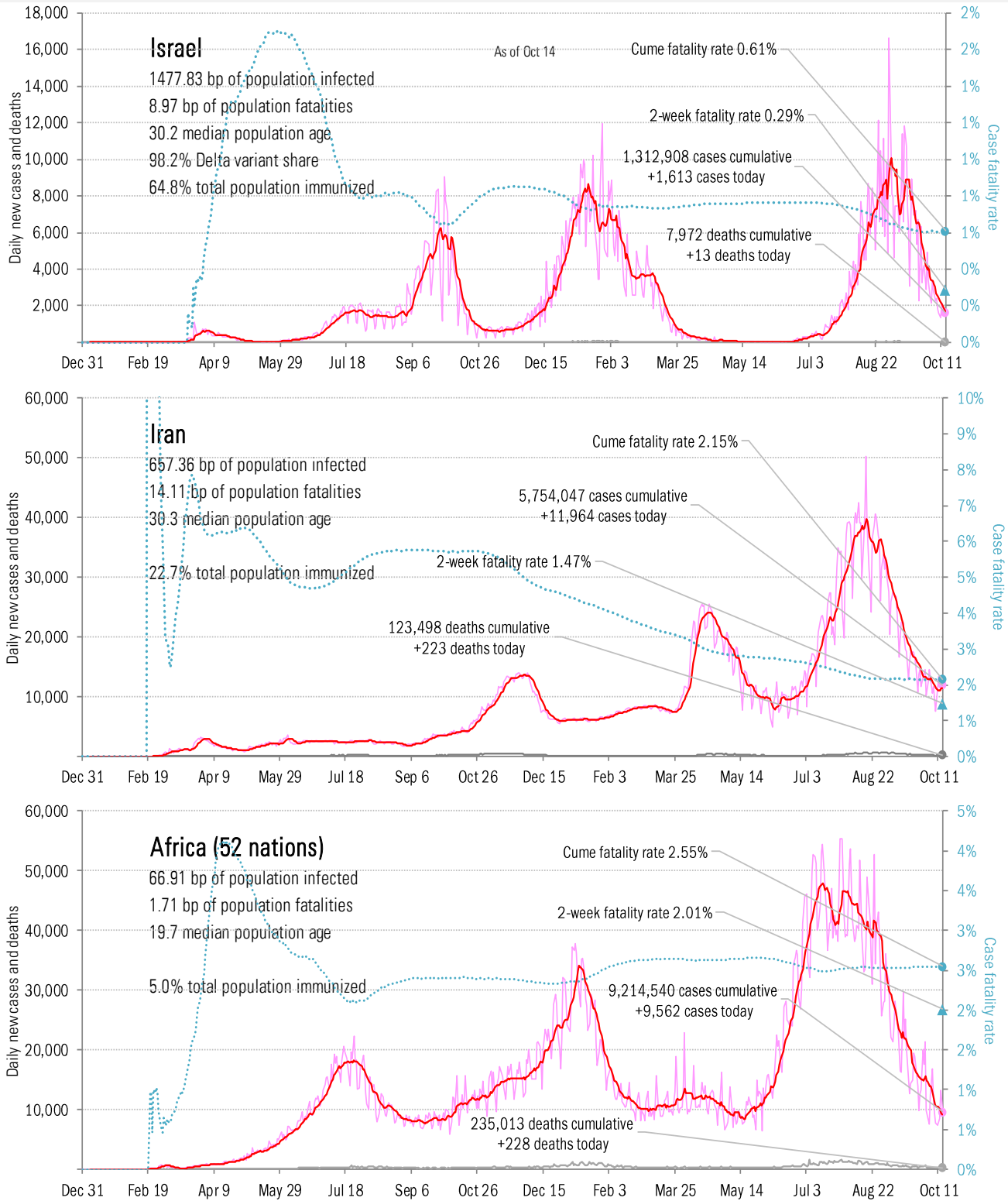
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

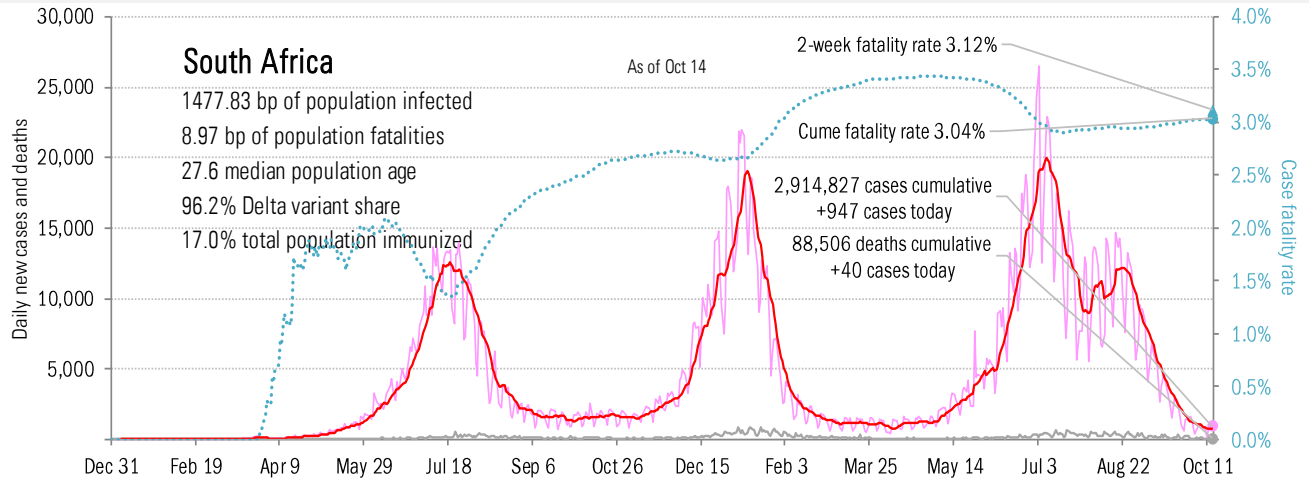
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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