

Data Insights: Covid-2019 Monitor

Sunday, September 18, 2022

The global scorecard

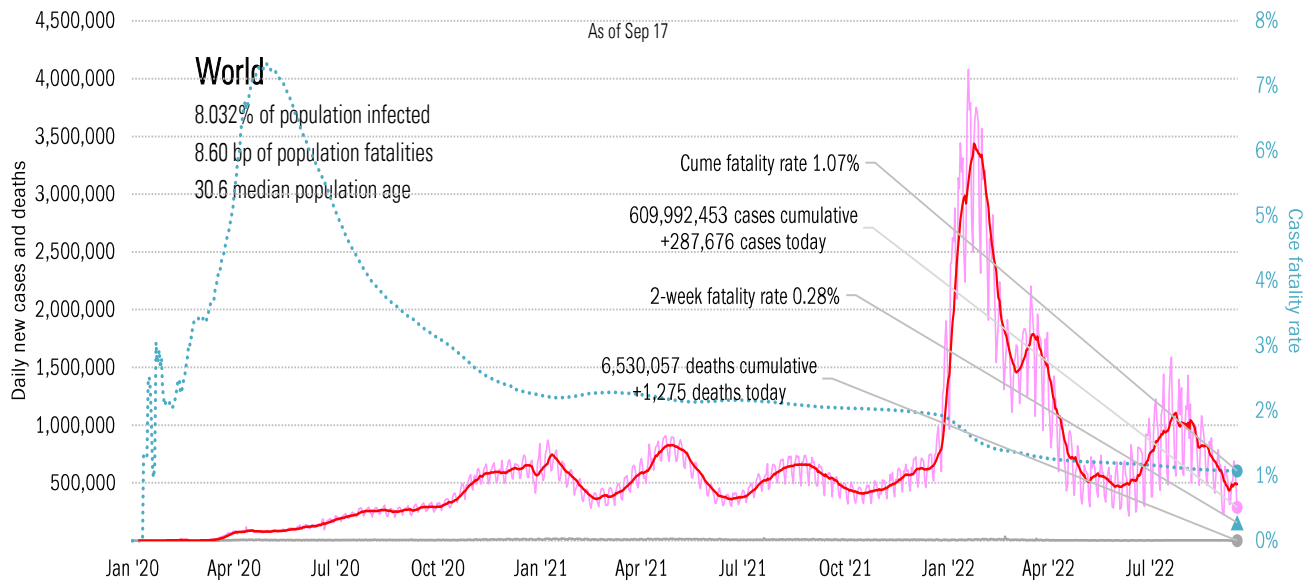
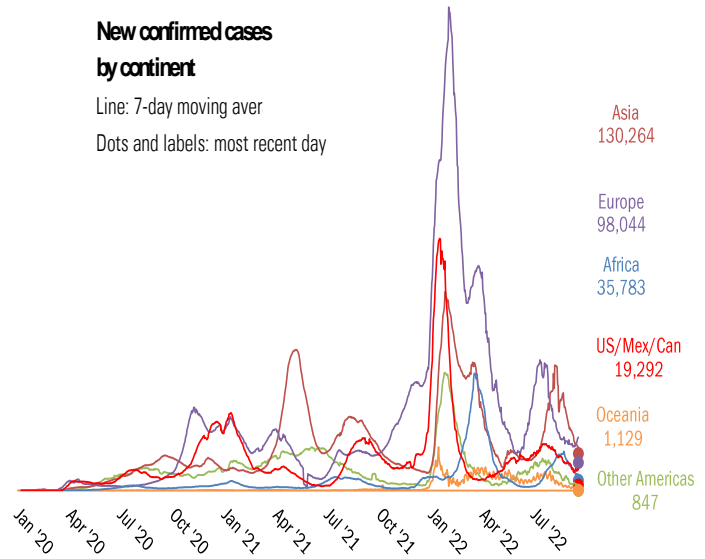
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	95,088	United States	565
Japan	70,951	Japan	138
Russia	57,759	Mexico	128
Taiwan*	39,572	Russia	105
Korea, South	34,764	Korea, South	46
Italy	17,150	Taiwan*	40
Mexico	9,828	Italy	38
India	5,664	India	35
Poland	5,431	Philippines	35
Austria	5,385	Romania	24
341,592		1,154	
World	287,676	World	1,275
Top ten	119%	Top ten	90%

New confirmed cases by continent

Line: 7-day moving aver
 Dots and labels: most recent day



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

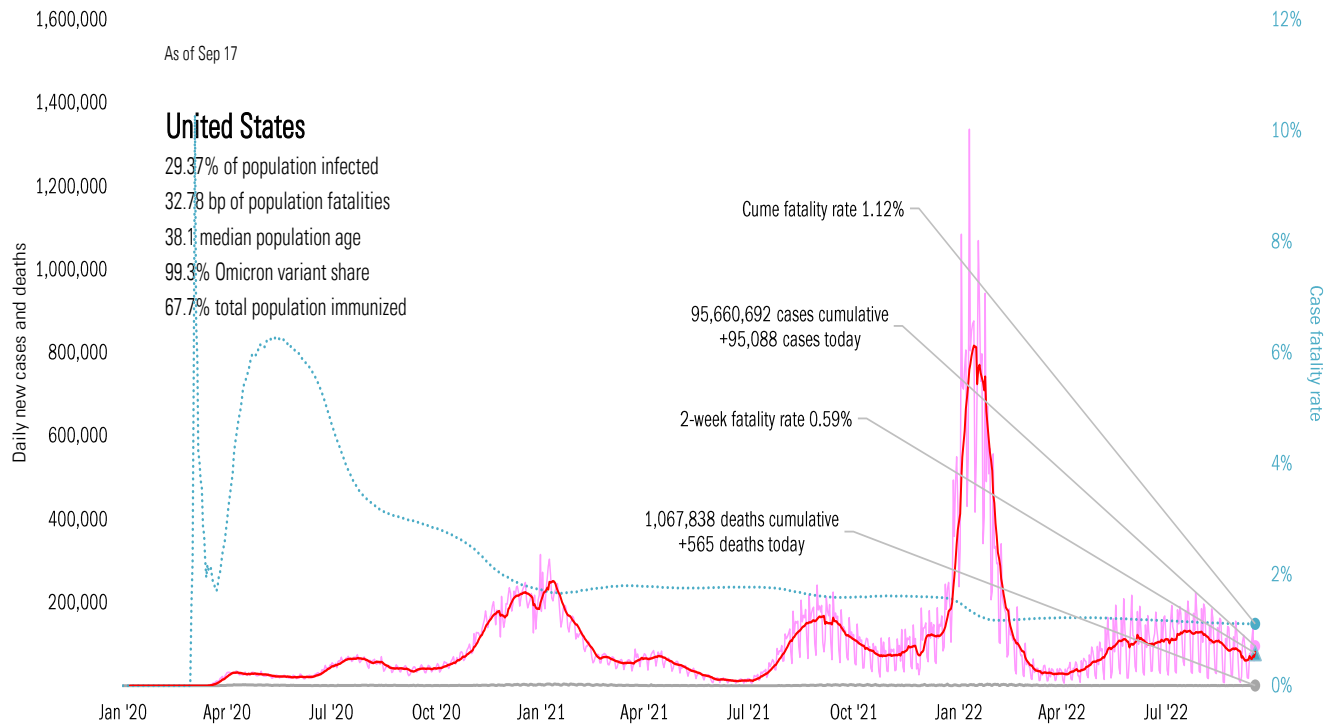
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use		
PA	17,506		FL	53		MN	85		CA	11,199,214		CA	95,550		TX	542,277		WI	100%		AK	88%
TX	10,341		TX	53		WA	76		TX	7,949,154		TX	90,639		CA	495,669		RI	92%		MA	85%
MO	7,374		WA	51		CA	422		FL	7,115,859		FL	80,817		FL	489,878		MA	89%		TX	84%
CA	5,608		MO	40		NY	256		NY	6,057,510		NY	71,502		NY	295,721		MN	86%		NM	83%
WA	4,776		NY	40		PA	192		IL	3,733,902		PA	46,970		GA	224,490		MO	85%		RI	83%
KS	4,247		MI	28		WI	79		PA	3,220,994		GA	40,025		CH	216,063		DE	85%		AL	83%
NY	3,692		IN	24		OK	74		NC	3,162,491		CH	39,675		PA	201,480		WA	84%		NC	83%
NC	3,027		GA	21		MA	118		CH	3,117,109		IL	39,536		IL	184,756		GA	84%		WA	82%
CH	2,936		PA	20		UT	26		GA	2,893,001		MI	38,317		MI	160,685		MD	83%		GA	82%
MI	2,625		VA	17		AZ	48		MI	2,804,588		NJ	34,668		KY	143,805		NH	83%		NH	82%
62,132			348			1,376			51,253,822			577,699			2,954,824							
All states	95,088			565			4,045		All states	95,660,692			1,067,838			5,360,193		All states	70%			67%
Top ten	65%			62%			34%		Top ten	54%			55%			55%		Median	79%			72%

Some states not reporting

Five most improved US states

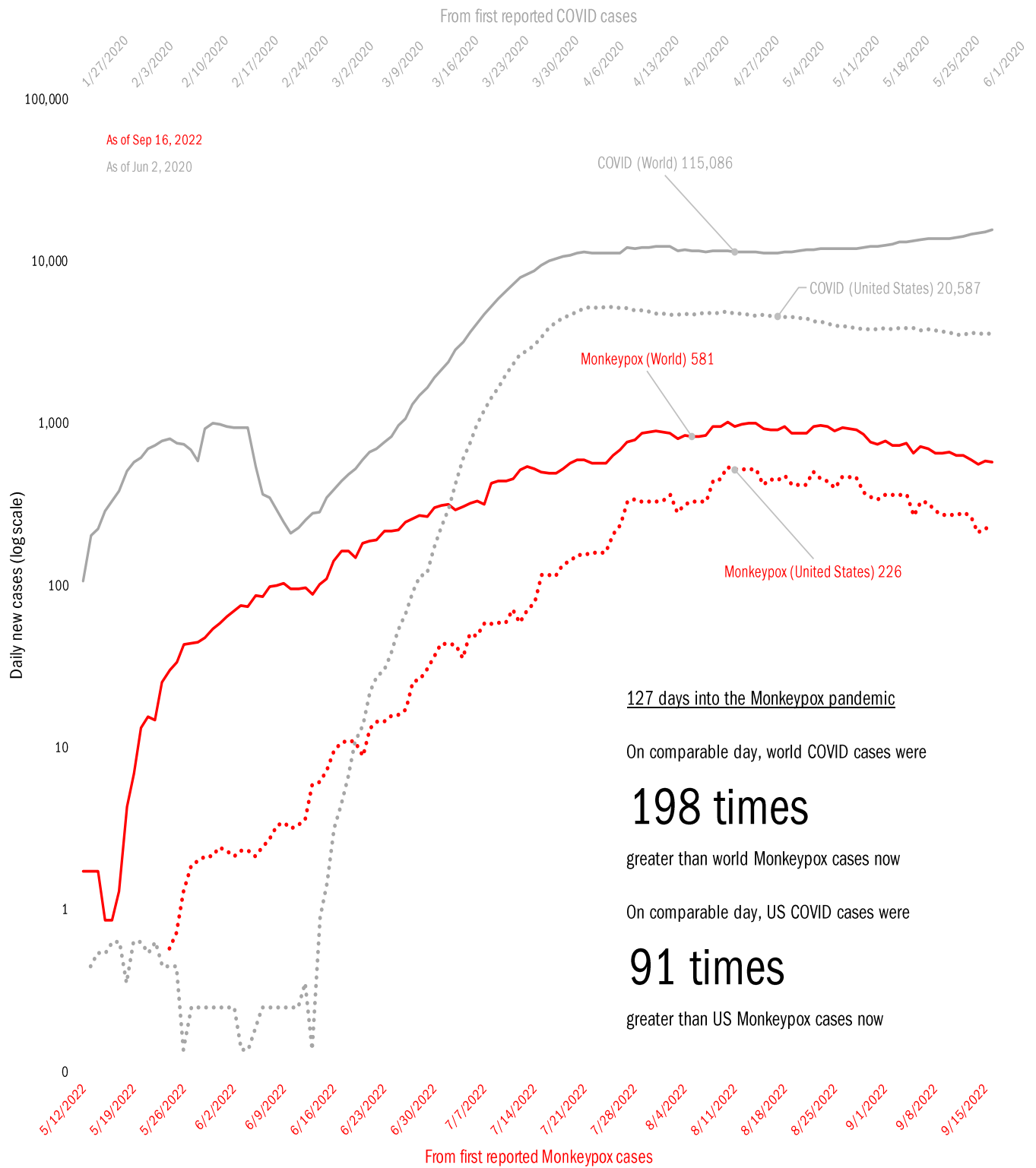
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,071	ME	-1	IL	-43
CT	-499	AK	0	GA	-41
NJ	-394	AL	0	CT	-29
ME	-82	AZ	0	MI	-29
AK	0	CA	0	NJ	-29



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

The Monkeypox contextualizer

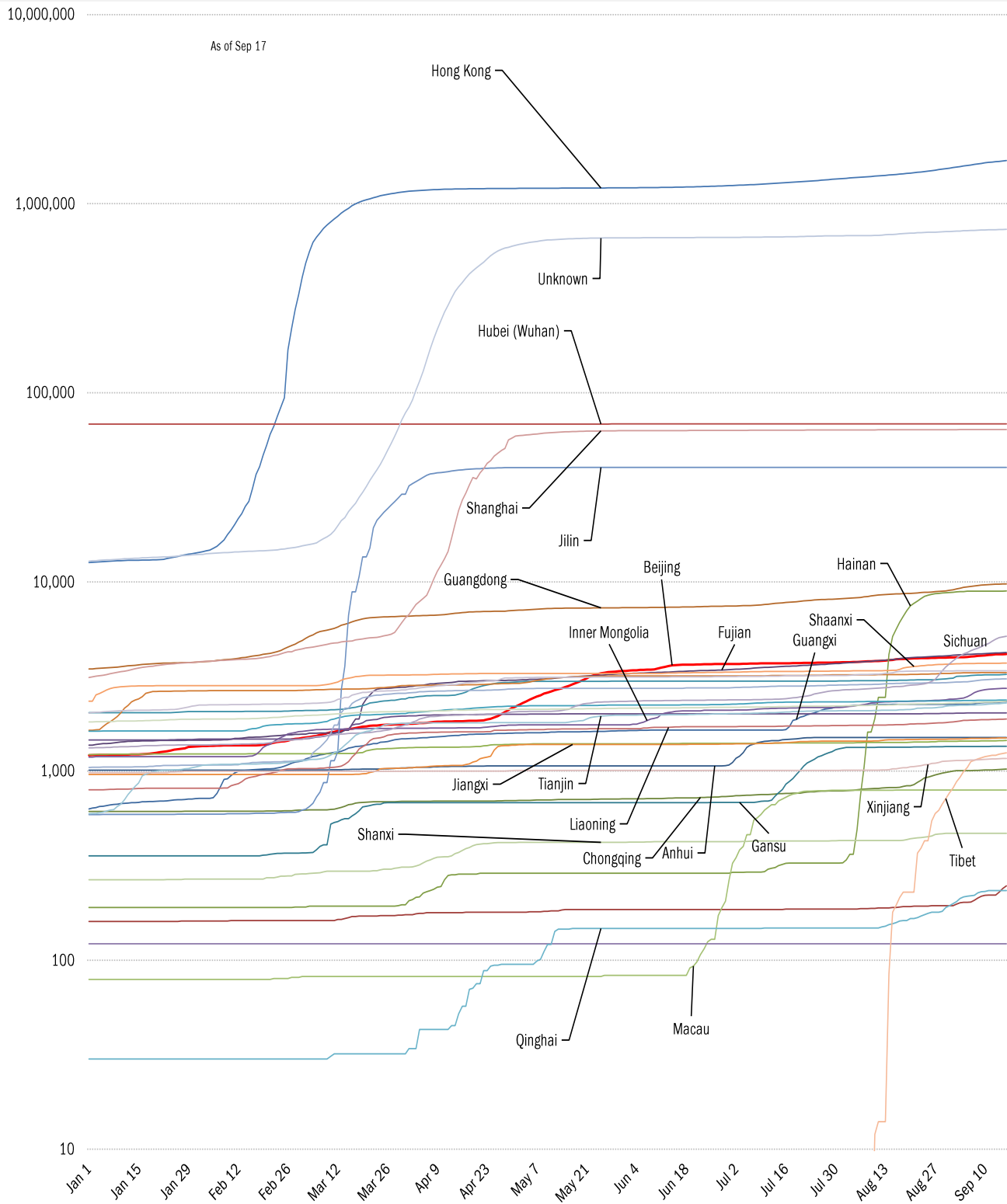
The course of case growth versus COVID



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

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

Cumulative reported cases this year, log scale: flat line indicates "zero Covid"

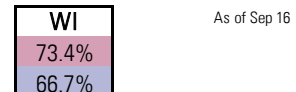
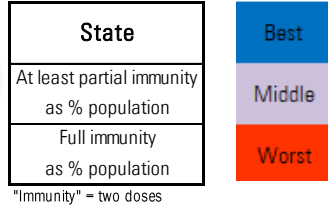
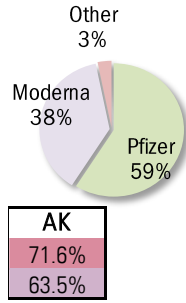


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

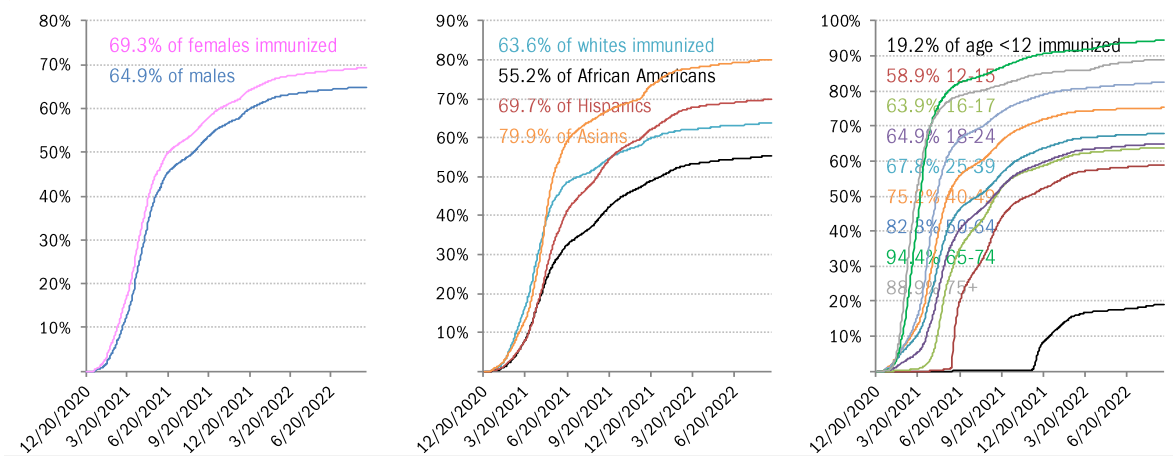
Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	628,212,647		+0.301 million	US	67.7%	79.3%
of which boosters	111,339,704		+0.036 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	271,603,286	81%	231,176,587	69%	+0.039 million	France 78.7% 80.9%
Age 12 to 17	18,184,016	72%	15,537,763	61%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	181,166,913	89%	153,880,774	76%	+0.019 million	Germany 76.1% 77.7%
Age 65 and over	59,792,035	100%	52,310,508	95%	+0.007 million	Italy 81.0% 85.8%
Other						Australia 84.0% 86.5%
						Israel 66.2% 72.3%
						Canada 82.7% 87.0%
						Japan 82.5% 83.6%
						Africa 22.6% 28.6%
						India 67.2% 72.9%
						Brazil 80.3% 87.1%
						China 89.1% 91.4%



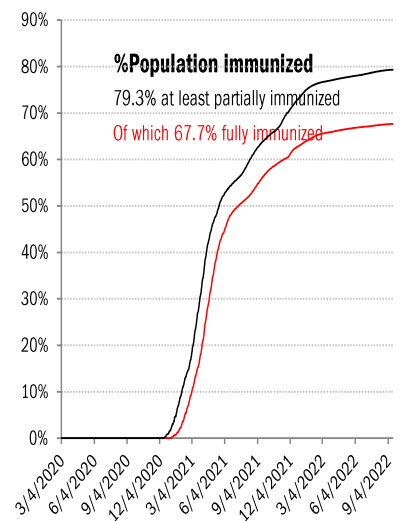
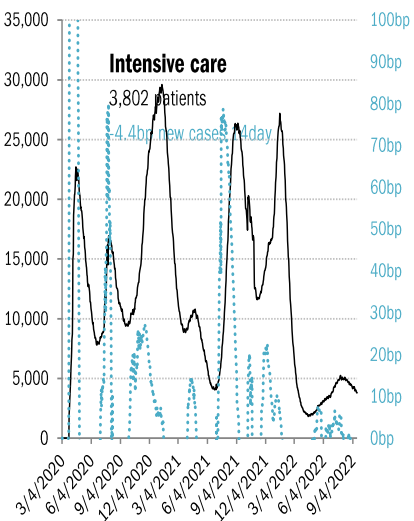
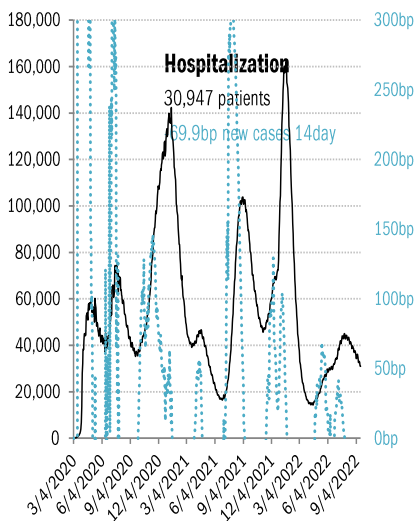
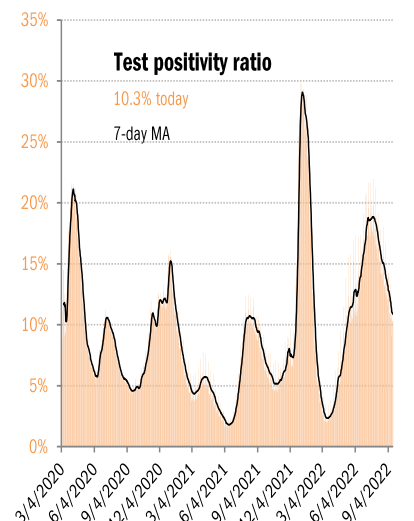
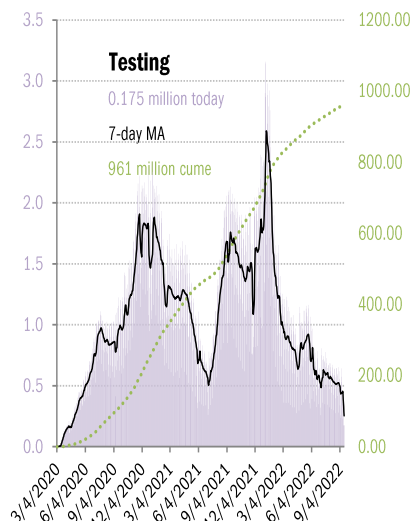
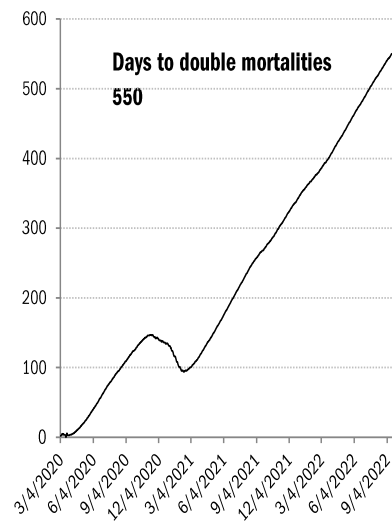
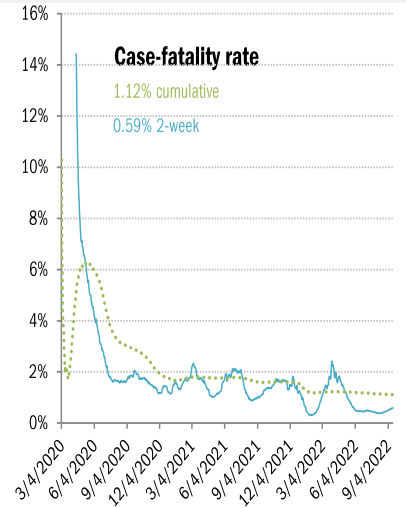
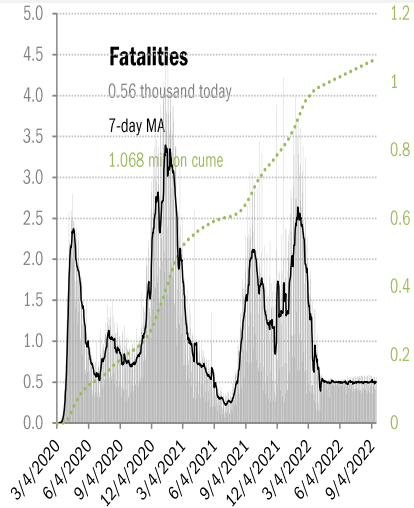
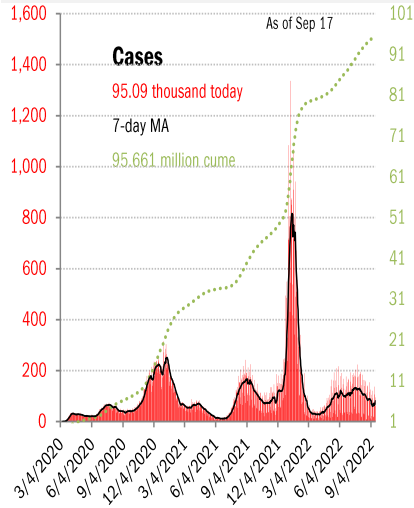
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
83.0%	62.5%	66.7%	67.3%	76.9%	77.4%	68.2%	92.2%	95.0%	91.0%	
73.9%	55.2%	57.9%	56.8%	70.5%	69.7%	61.2%	78.6%	83.0%	72.6%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
79.5%	77.1%	59.3%	79.5%	69.3%	63.2%	64.5%	87.7%	92.5%	95.0%	
70.8%	62.1%	51.9%	63.9%	63.0%	56.9%	59.4%	70.7%	77.2%	81.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.2%	73.8%	81.5%	71.8%	67.7%	67.5%	66.3%	88.1%	89.1%	95.0%	95.0%
73.6%	65.5%	71.7%	64.8%	57.4%	58.5%	58.7%	74.8%	77.5%	80.9%	85.1%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
75.6%	90.6%	74.3%	68.3%	63.4%	87.6%	69.4%	95.0%	85.4%		
63.2%	72.9%	63.5%	55.7%	55.5%	63.7%	58.4%	79.3%	71.0%		
OK	LA	MS	AL	GA						
72.8%	62.1%	60.9%	64.0%	67.1%						
58.7%	54.4%	53.0%	52.2%	56.1%						
TX										
74.7%										
62.1%										
HI										
89.6%										
79.8%										
FL										
81.0%										
68.3%										
PR										
95.0%										
84.8%										

The demographics of US vaccination



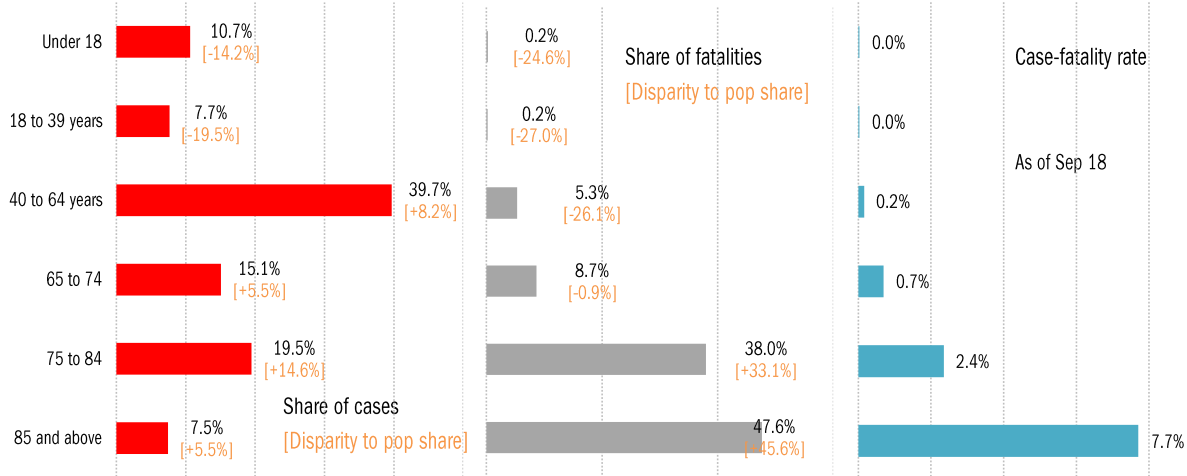
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

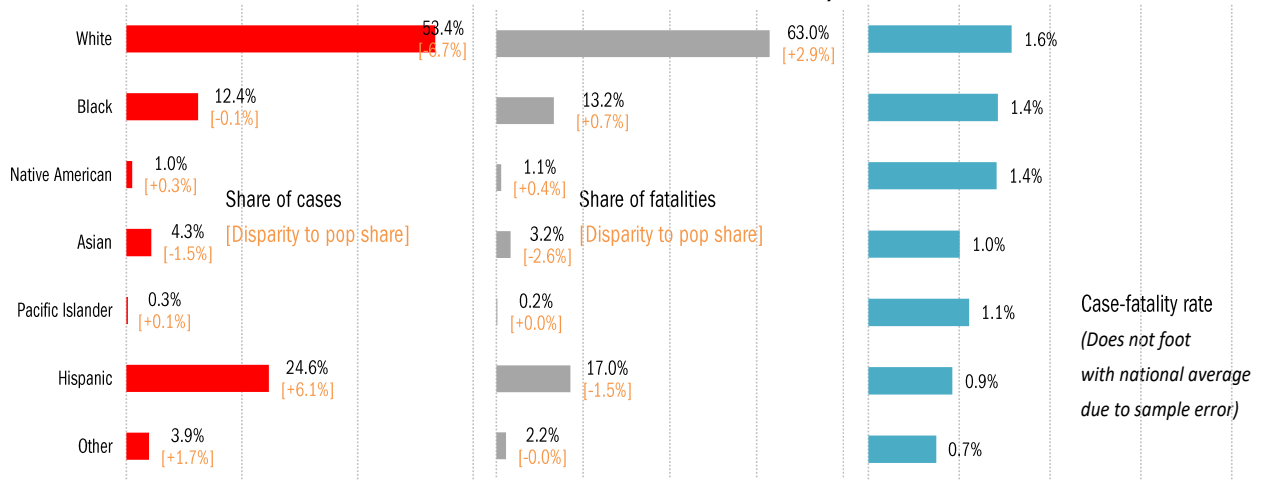


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

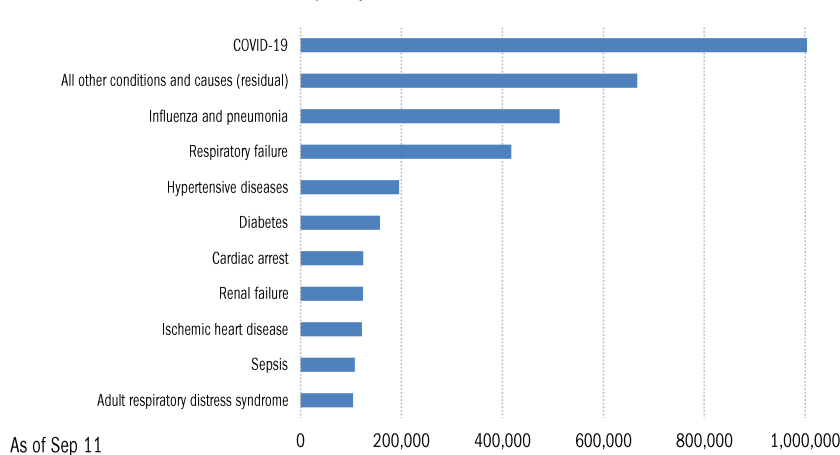


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Scientists debate how lethal COVID is. Some say it's now less risky than flu](#)

Rob Stein

NPR

September 16, 2022

[Severe common cold cases increasing among young children may be pegged to COVID-19 lockdowns](#)

Shiv Sudhakar

Fox News

September 18, 2022

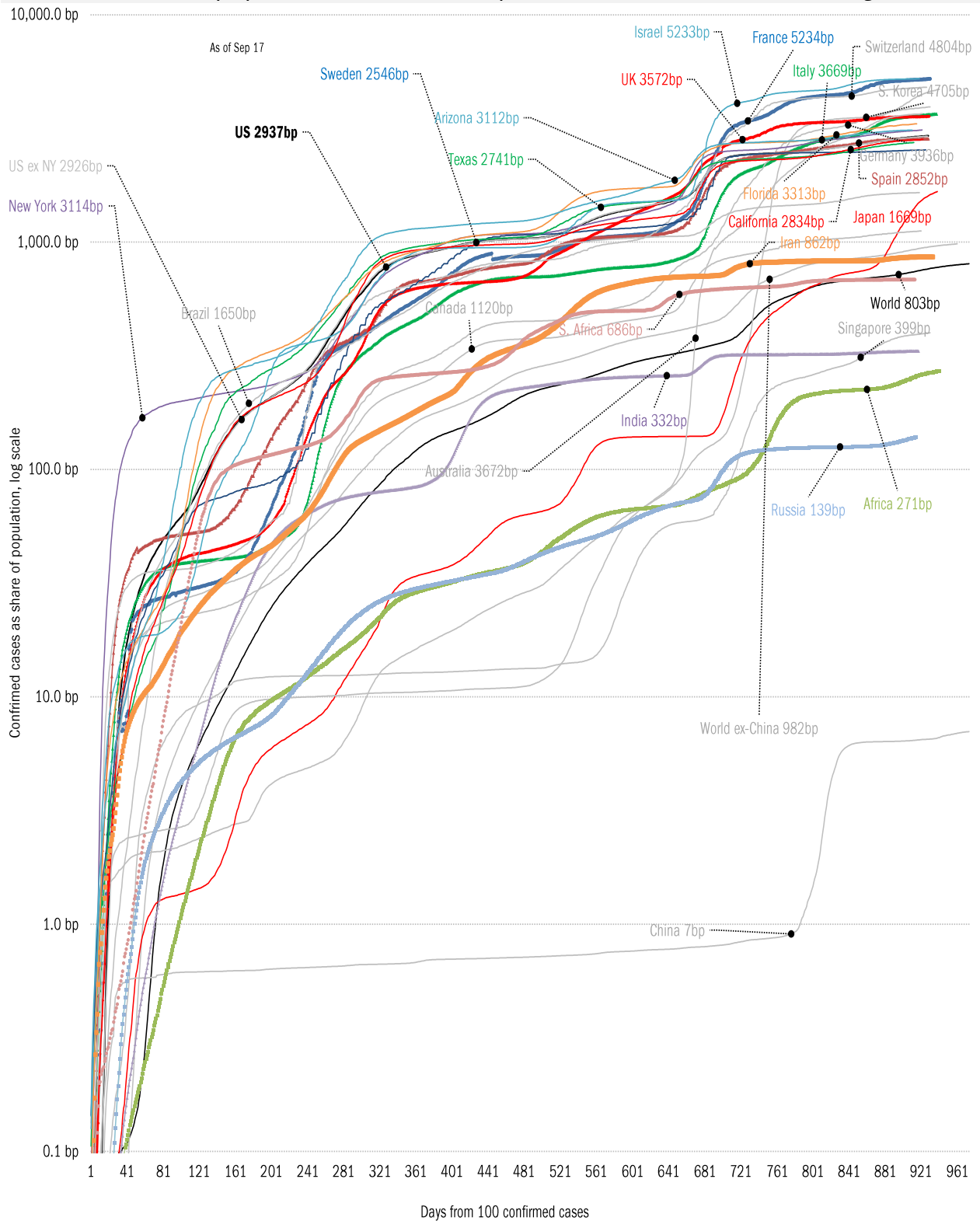
Meme of the day



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

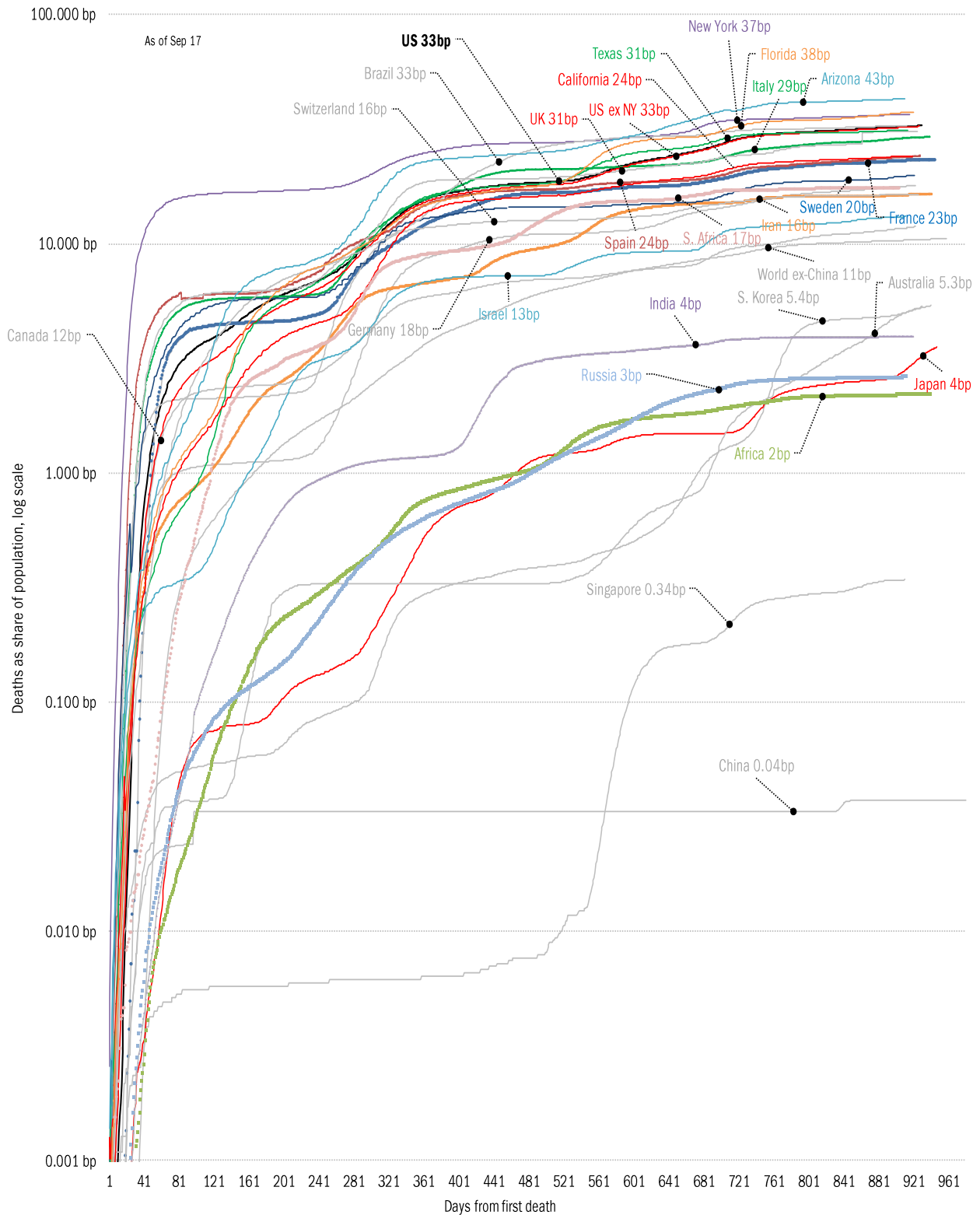
The global coronavirus case accelerometer... tracking the world's infection curves

Share of infected population from first day with 100 confirmed cases, log scale



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

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

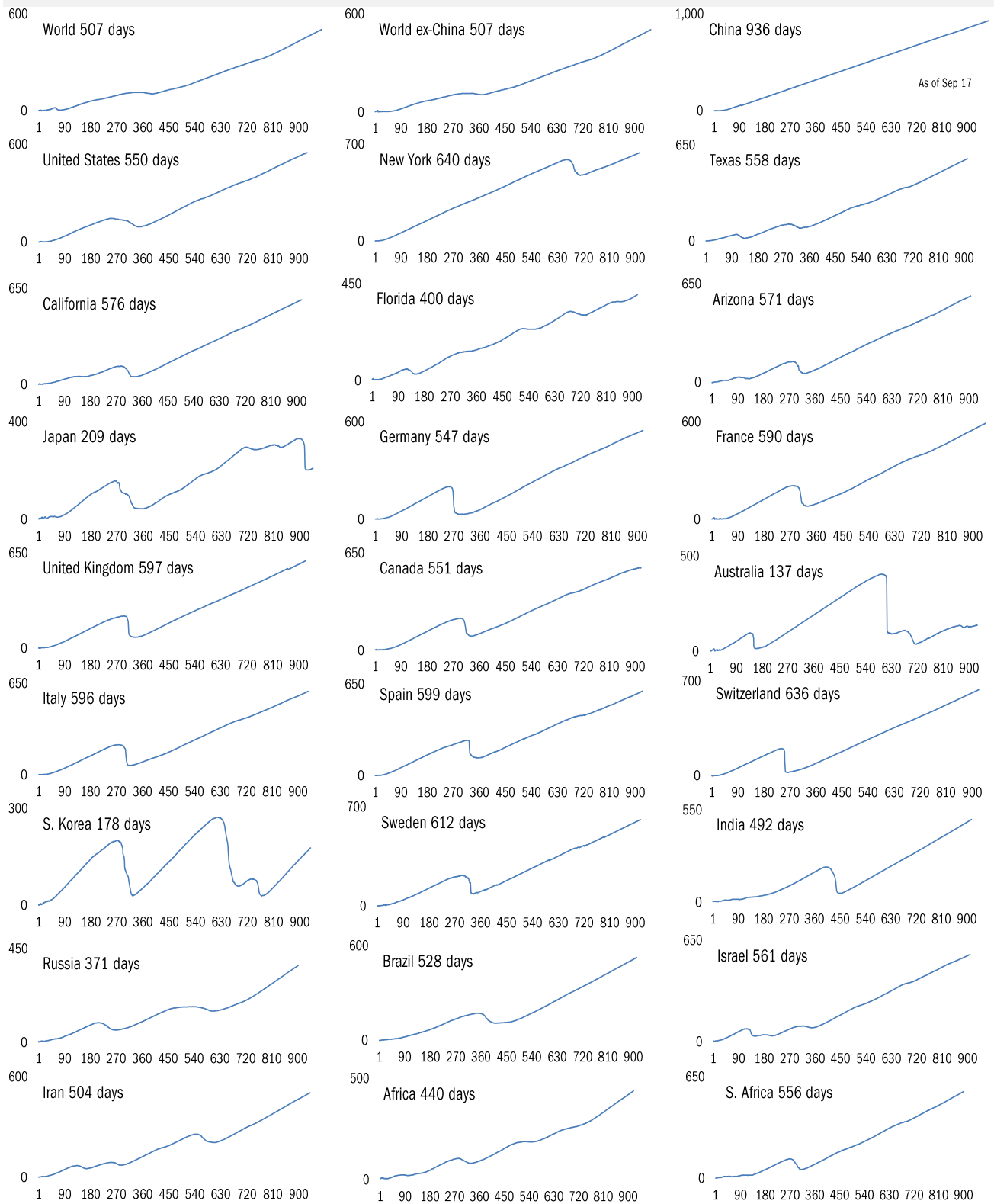


Source: [Johns Hopkins](#), TrendMacro calculations

Our most reliable evidence of the rate of spread of Covid-2019

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

Higher is good Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

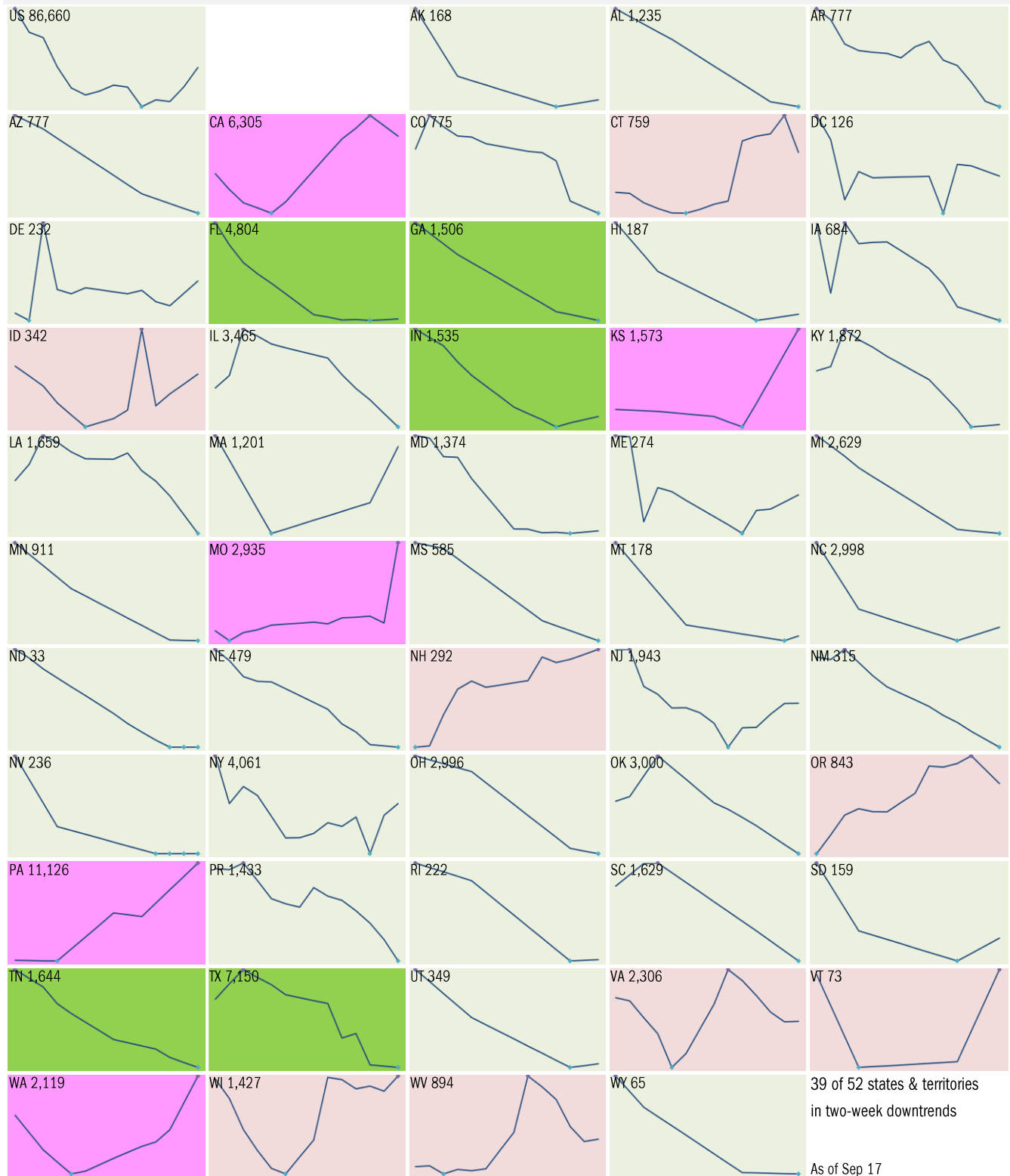


Source: [Johns Hopkins](#), TrendMacro calculations

14-day 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

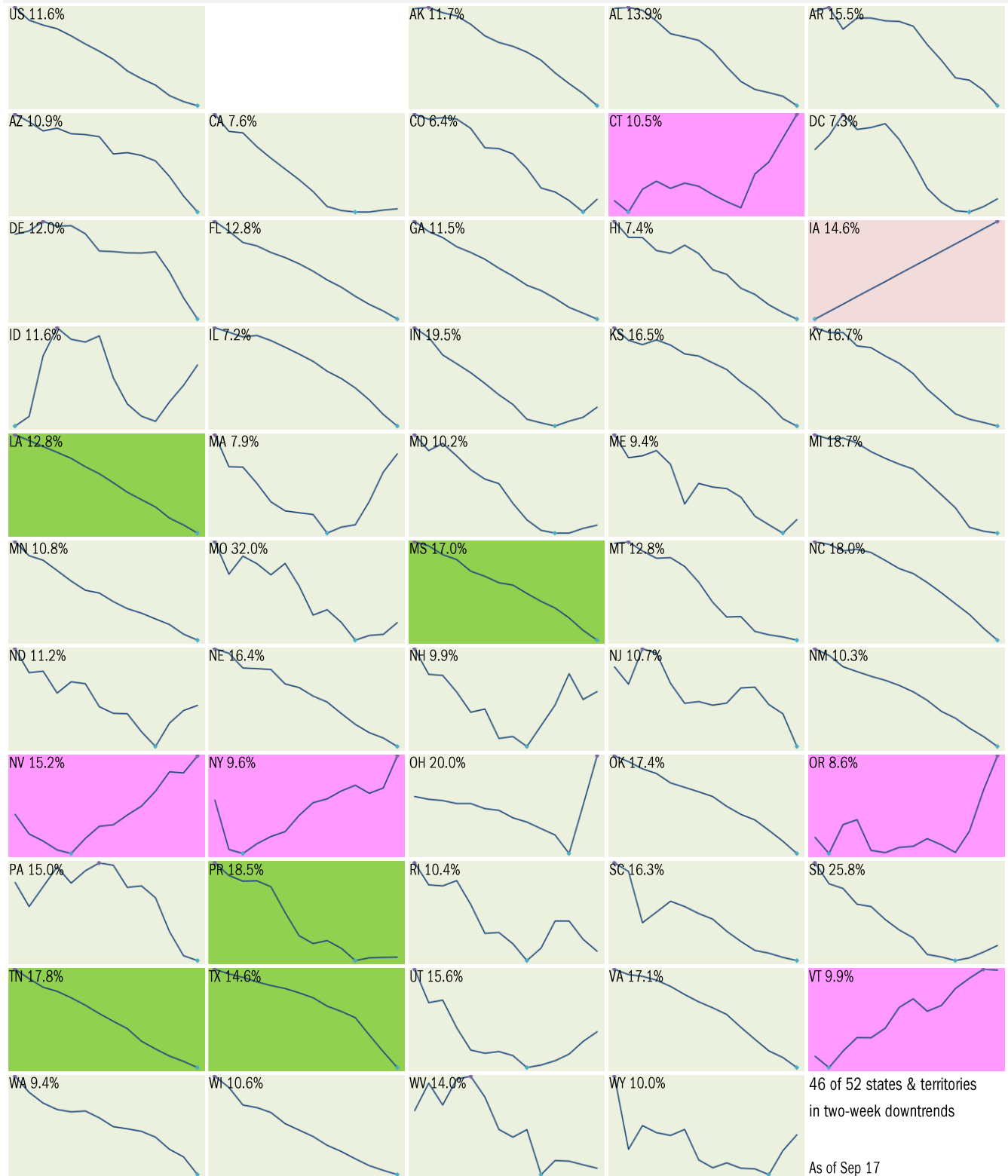


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

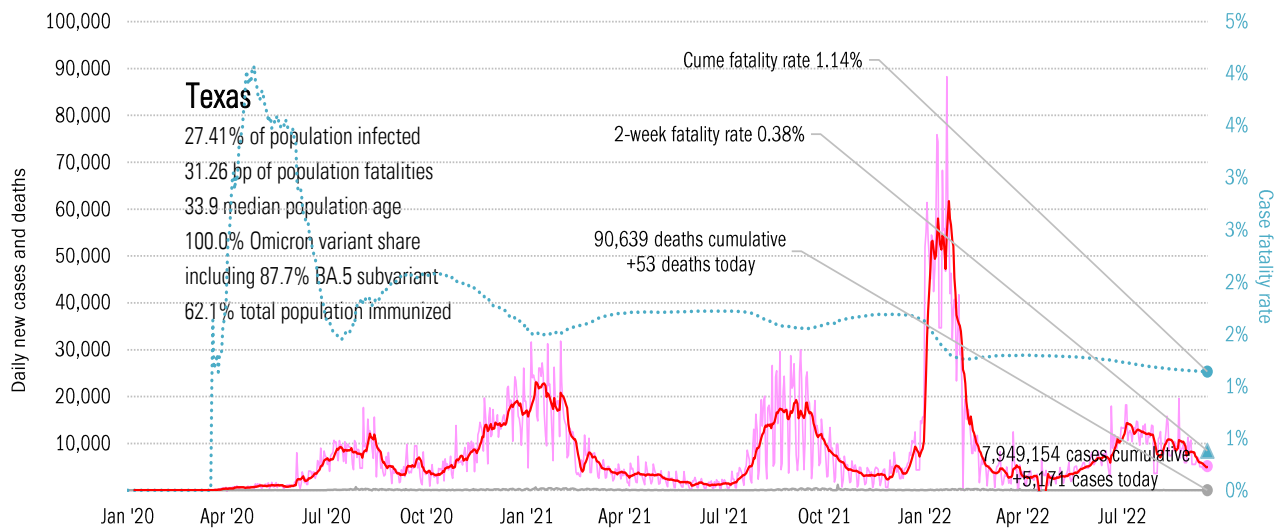
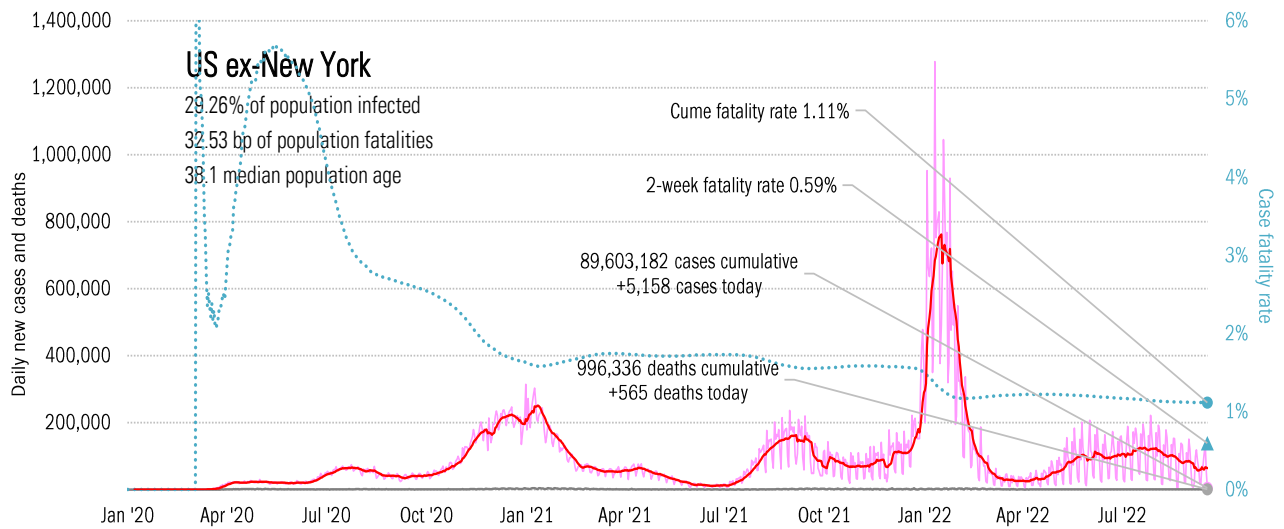
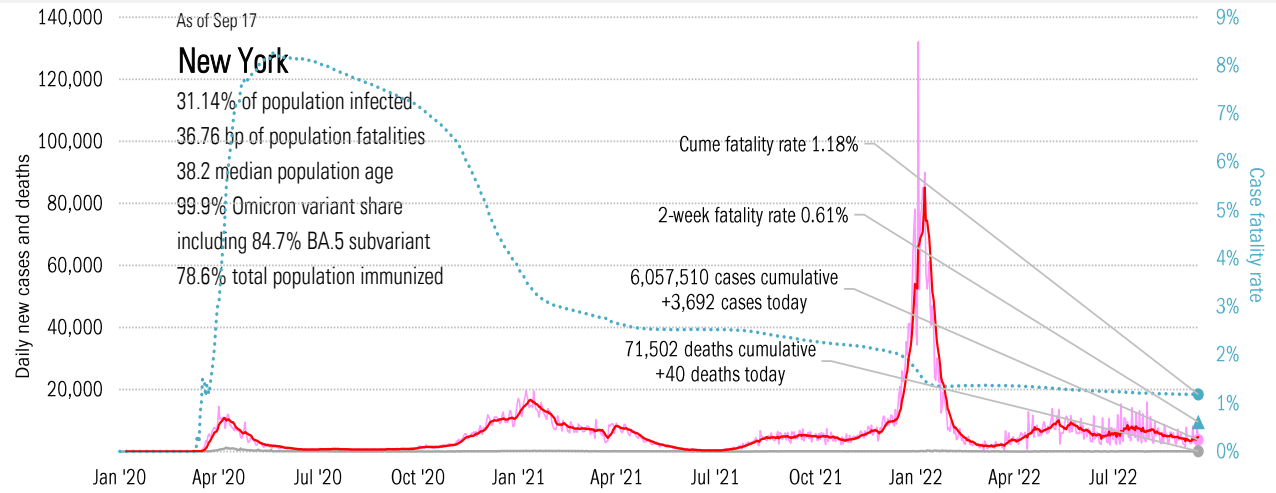
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

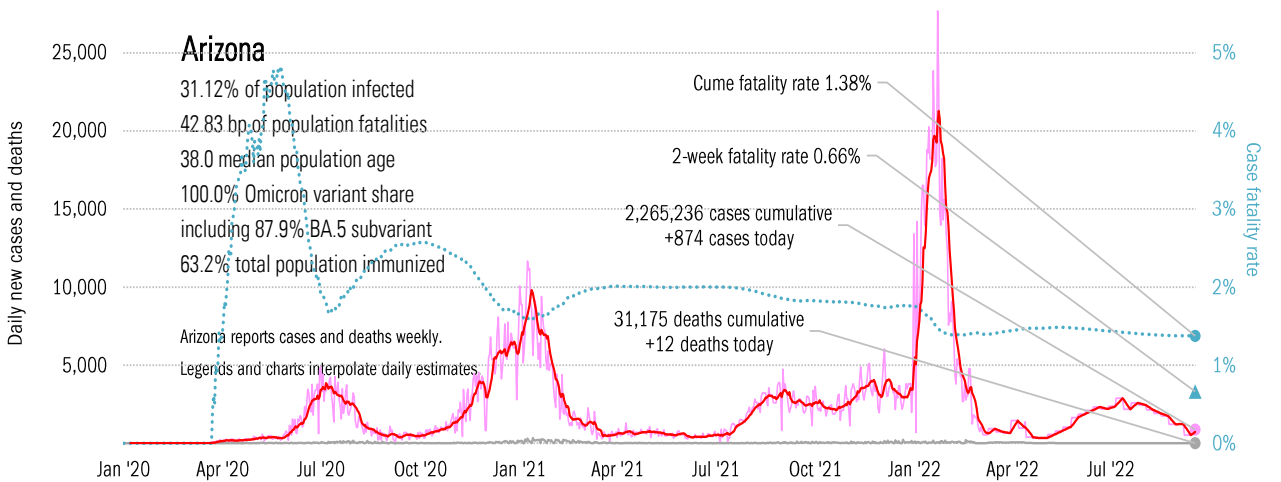
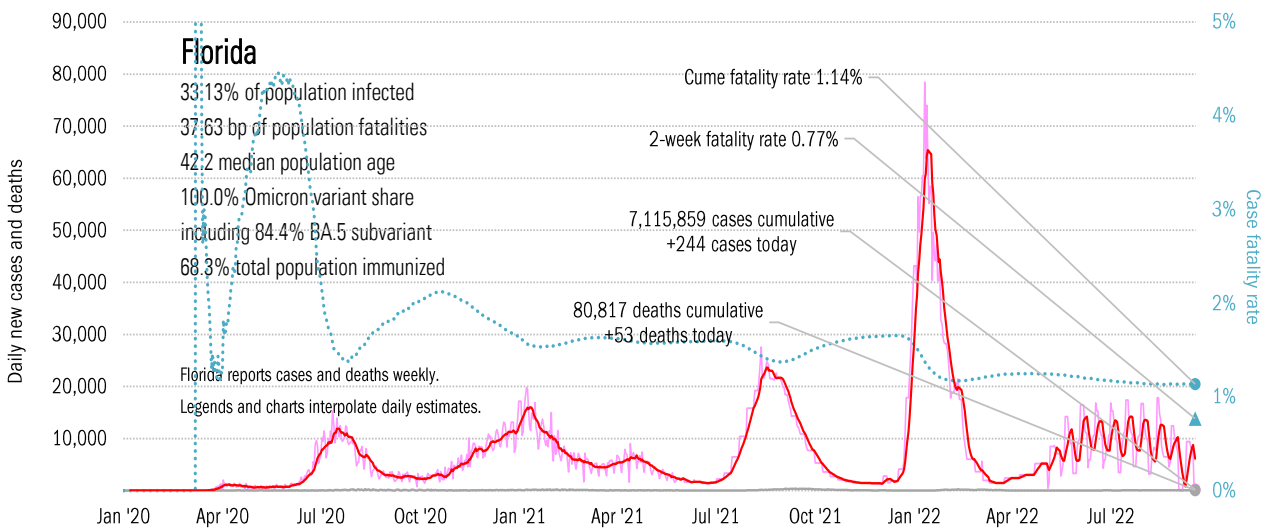
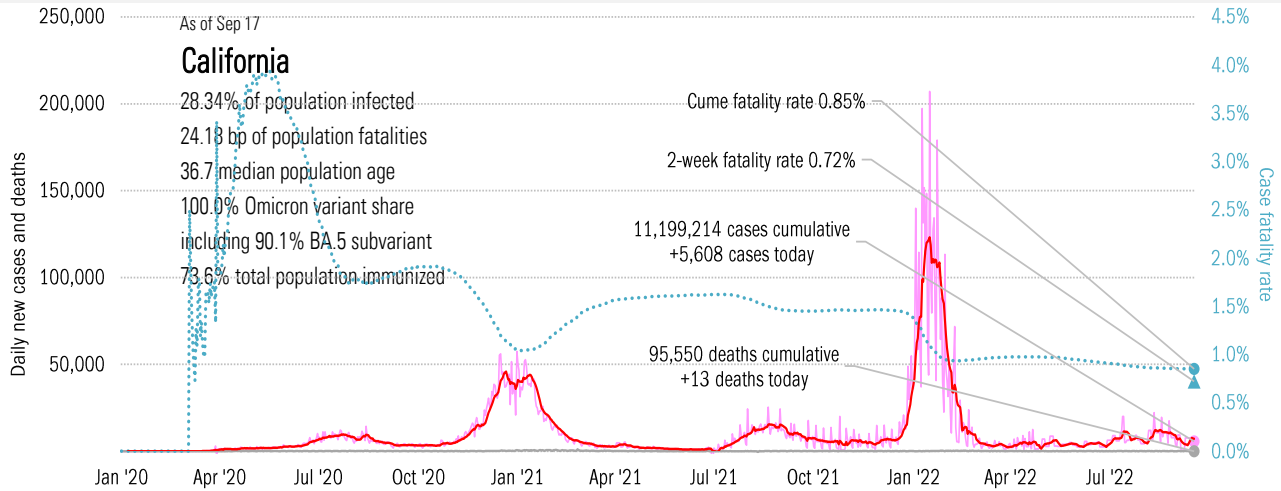
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

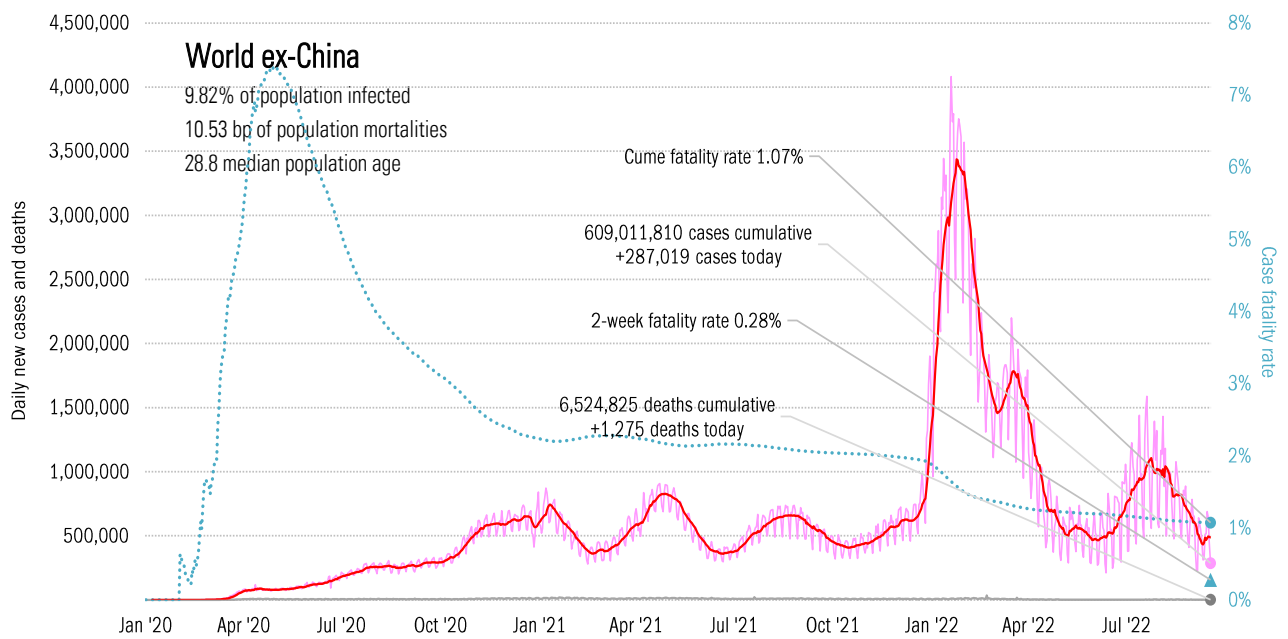
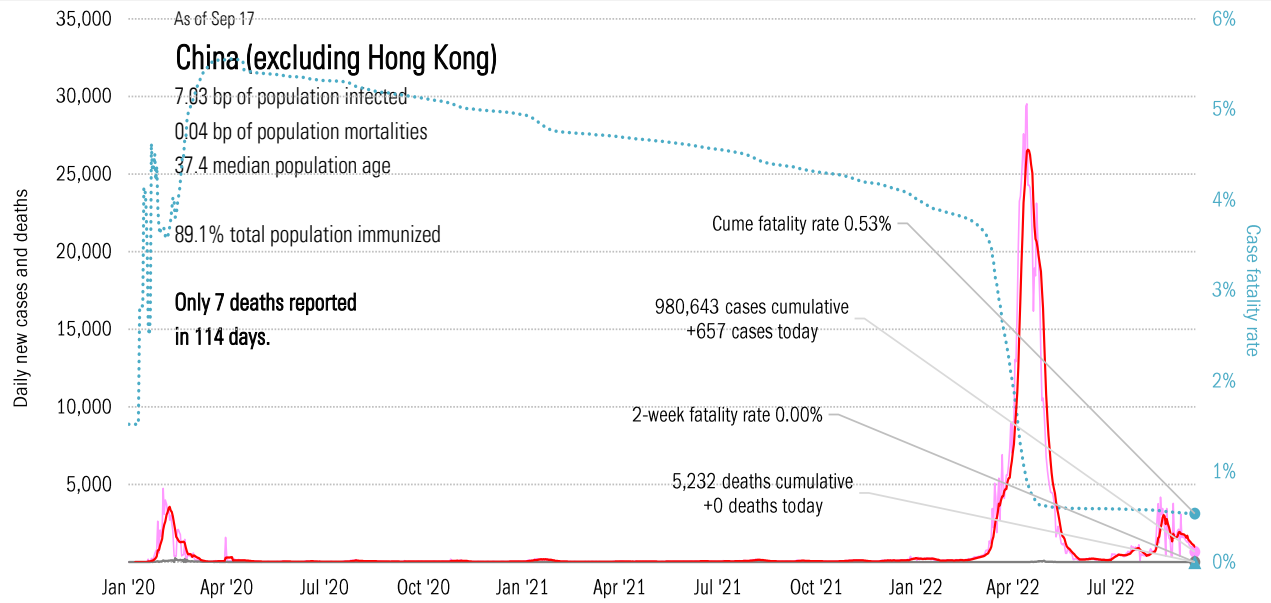
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

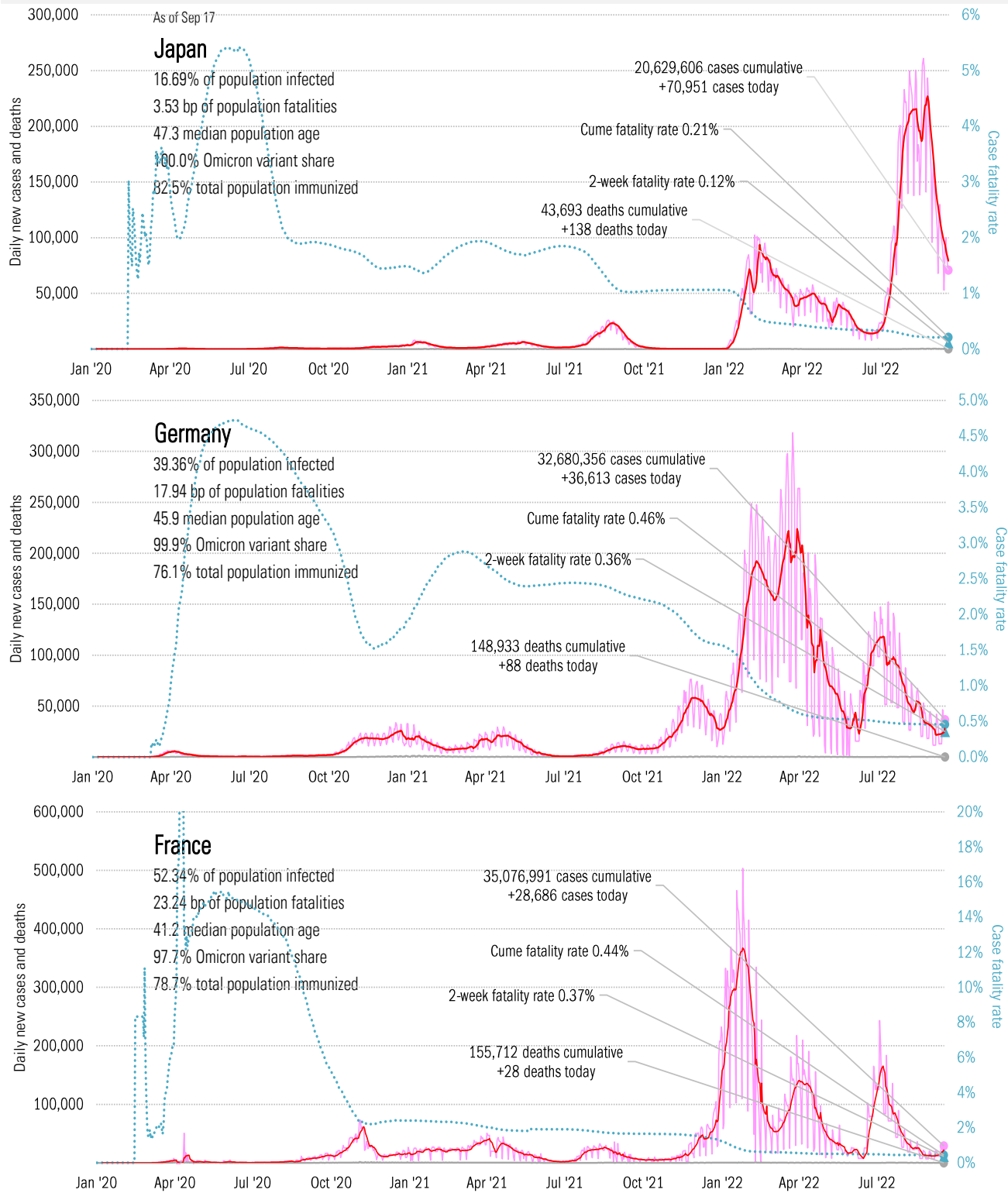
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

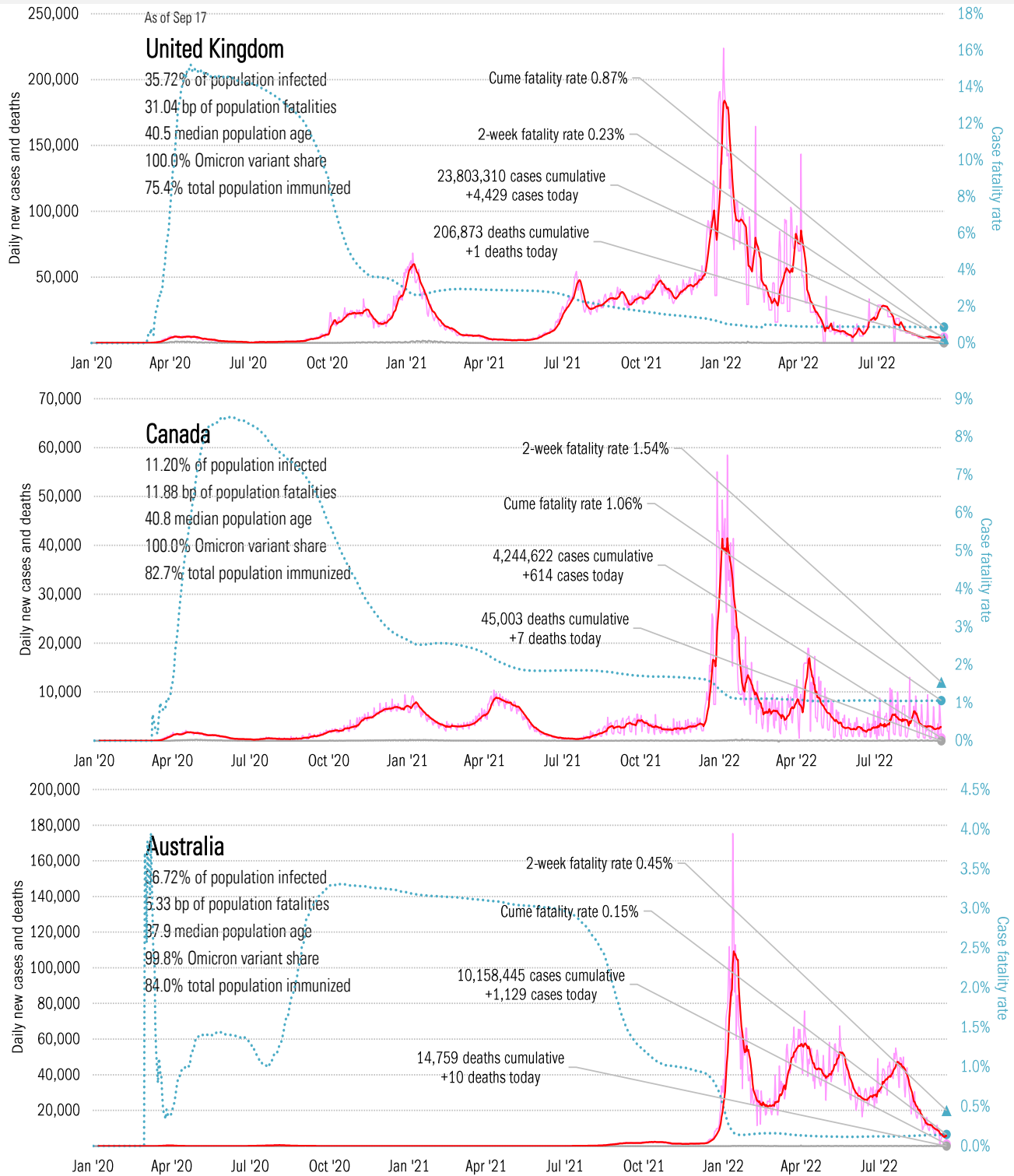
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

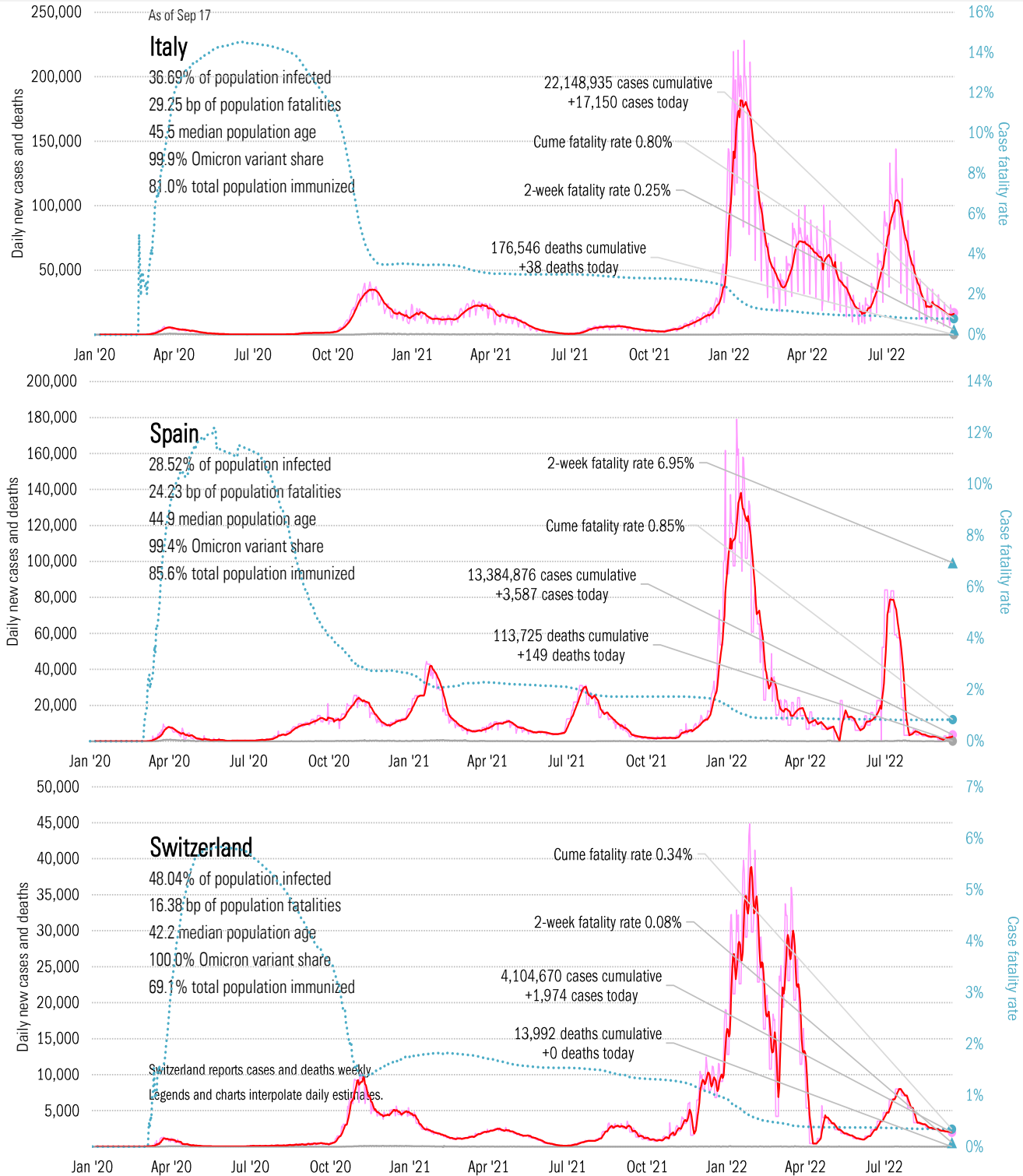
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

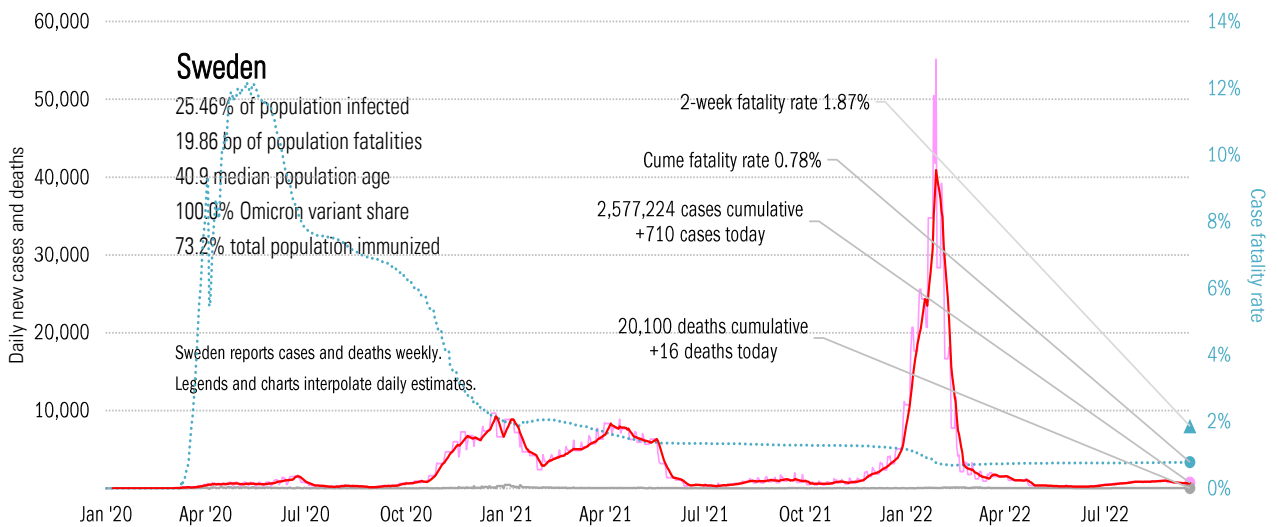
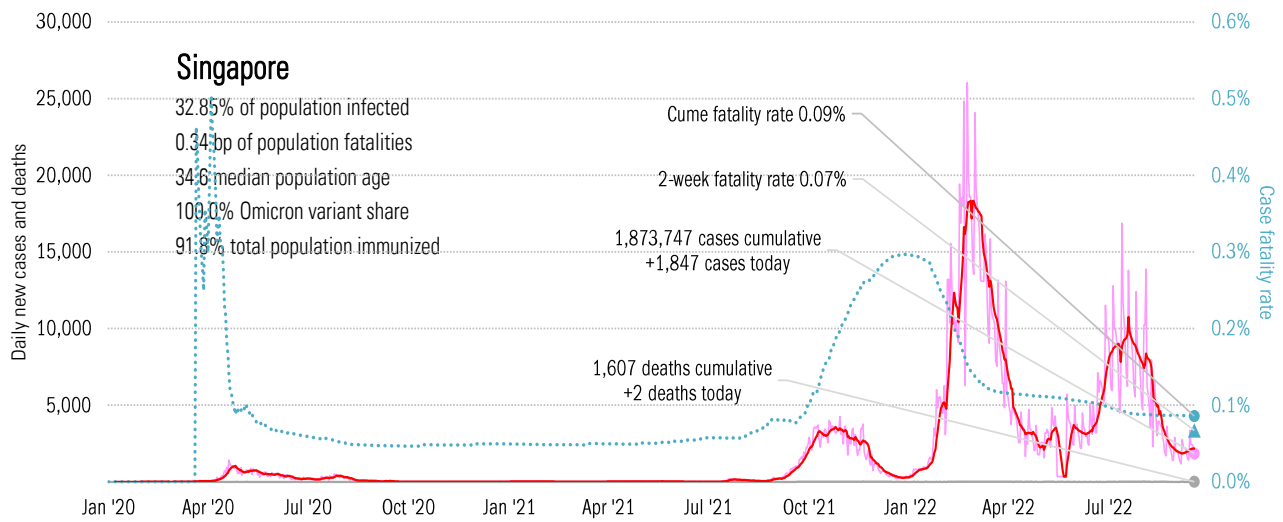
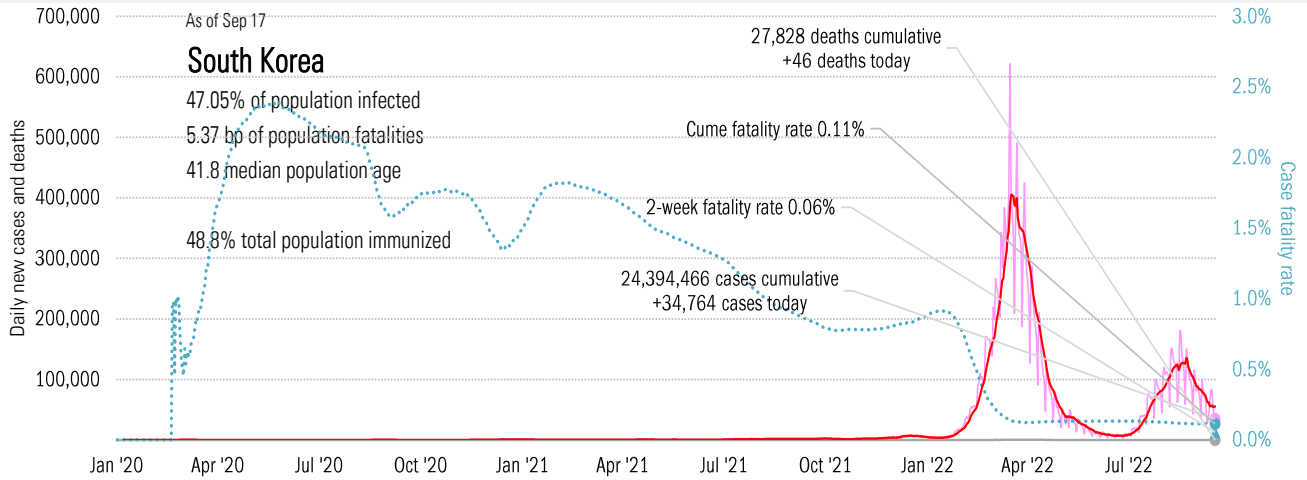
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

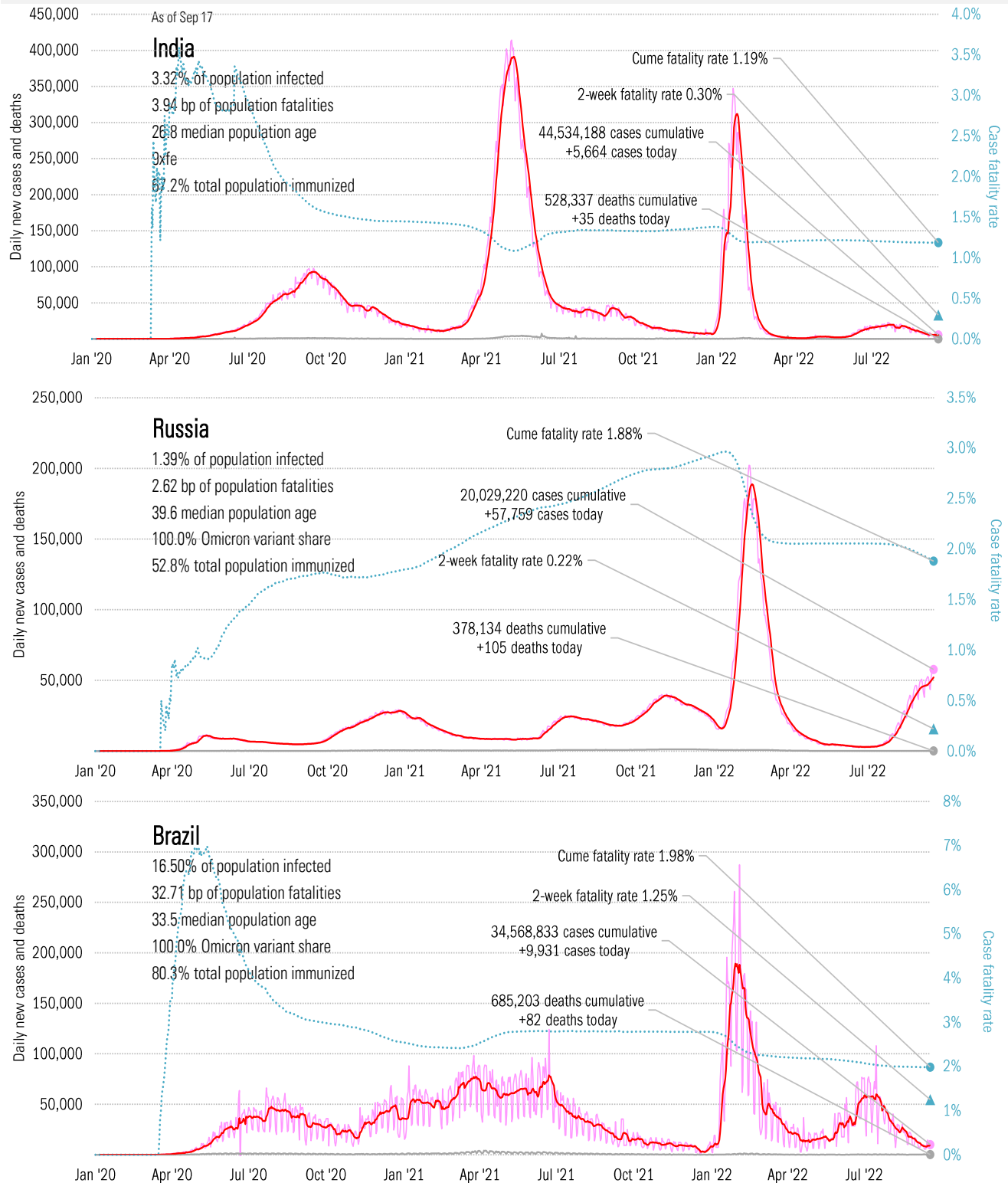
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

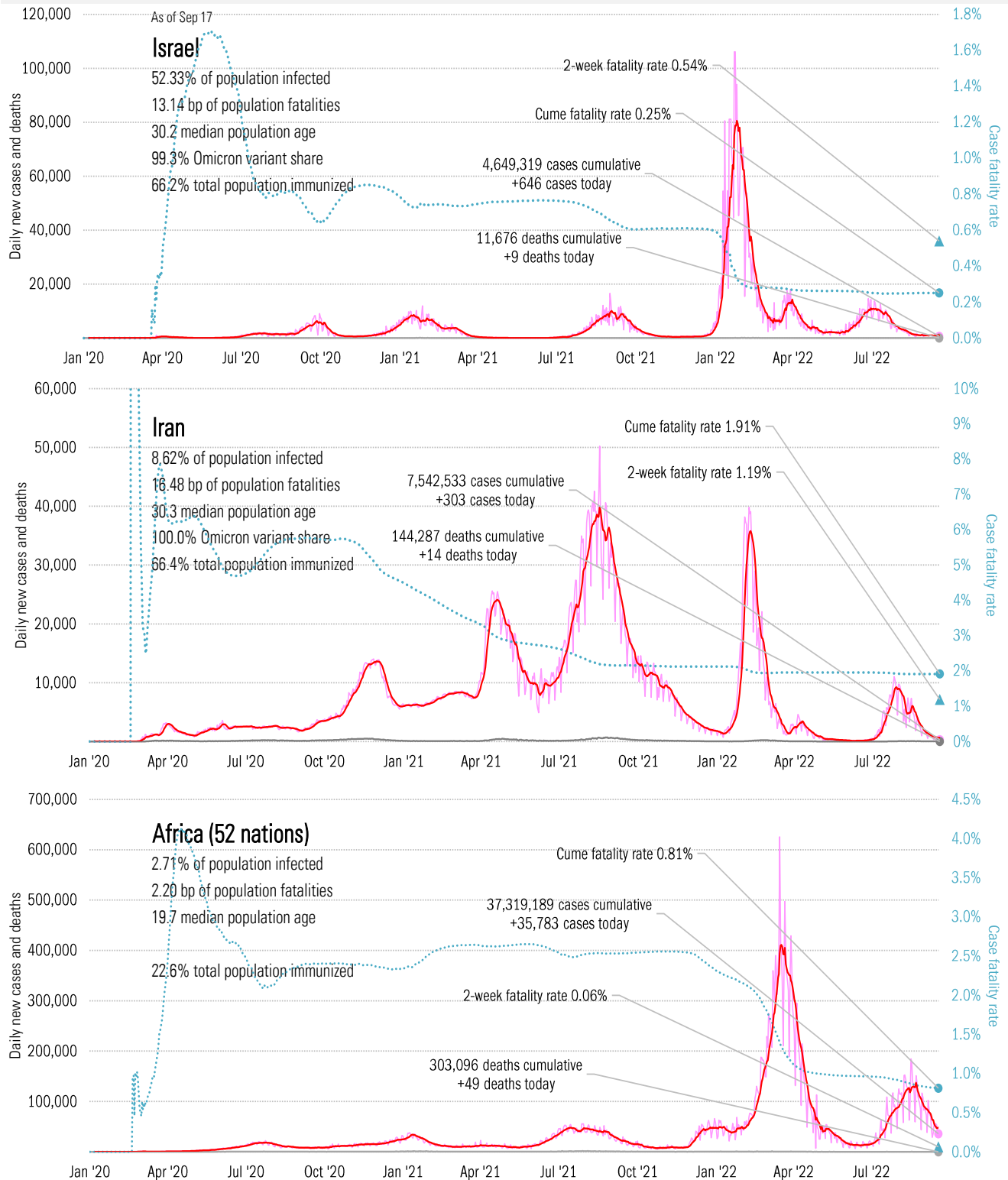
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

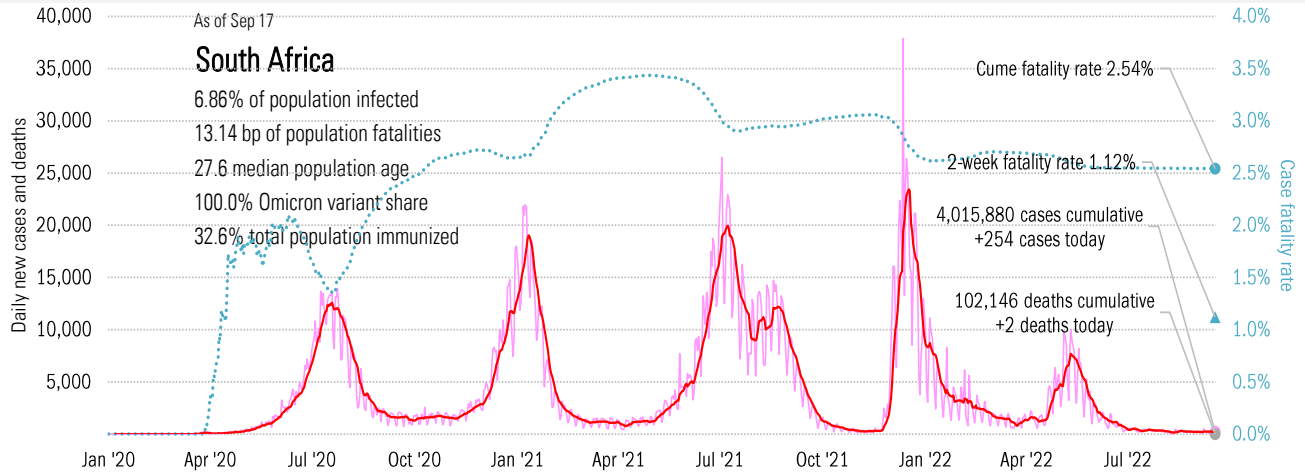
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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