Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

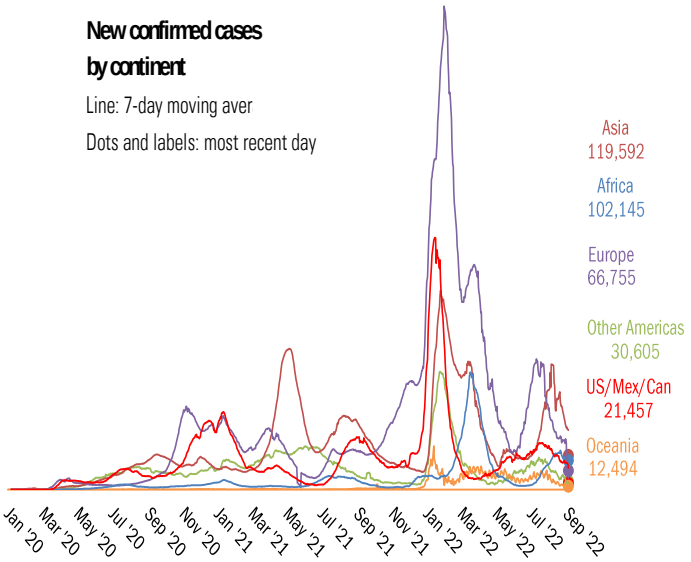
Tuesday, September 6, 2022

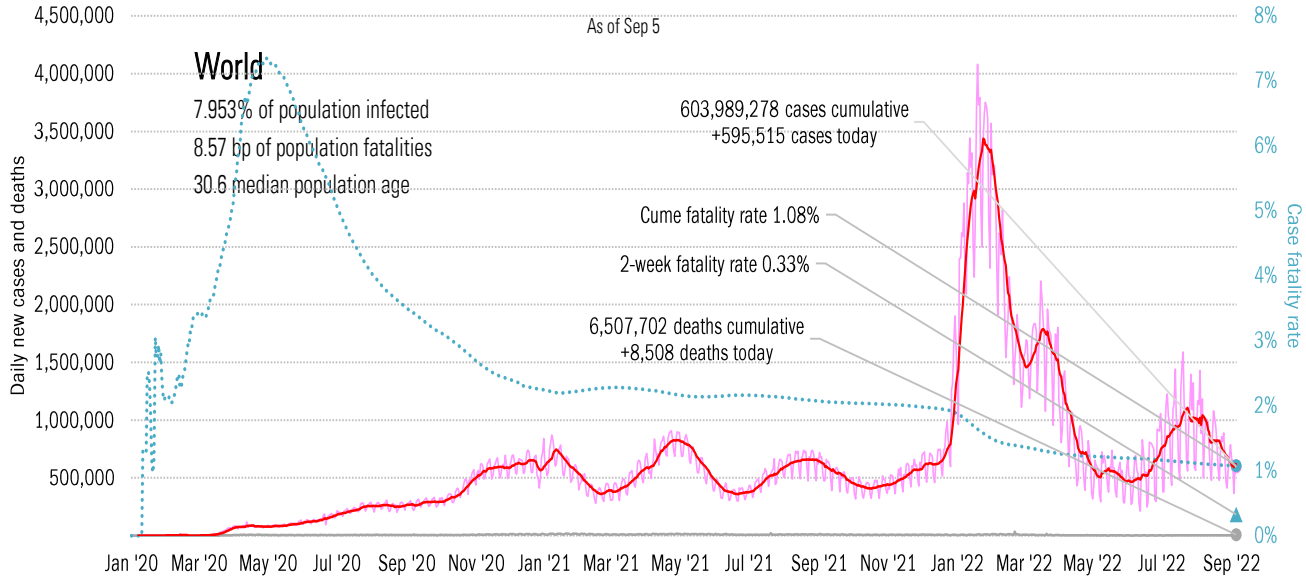
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	99,737	United States	595
United States	76,082	Japan	221
Japan	67,962	Brazil	163
Germany	49,709	Germany	99
Russia	41,040	France	84
France	31,950	Russia	76
Taiwan*	24,078	Australia	68
Brazil	21,394	Philippines	51
Austria	11,828	Korea, South	44
Australia	10,314	Italy	40
	434,094		1,441
World	595,515	World	8,508
Top ten	73%	Top ten	17%





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

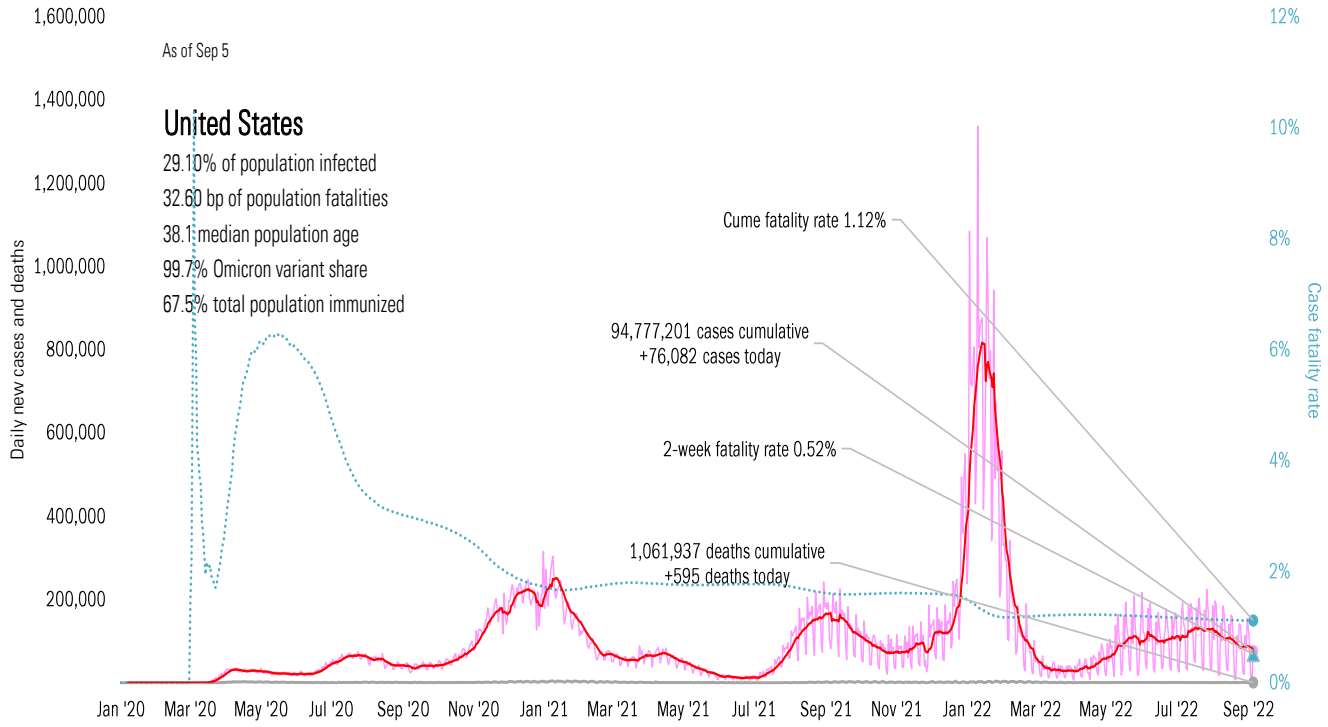
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
KS	5,650	NC	70	GA	215	CA	11,125,282	CA	94,995	TX	538,303	MD	96%	NC	84%
VA	5,427	KS	61	TX	410	TX	7,870,131	TX	90,362	CA	490,807	RI	90%	TX	82%
CA	5,015	TX	40	CA	483	FL	7,048,657	FL	80,137	FL	485,552	MA	86%	MA	82%
IN	4,394	IN	36	MI	153	NY	6,004,300	NY	71,196	NY	292,452	MN	84%	AL	82%
IL	4,252	FL	35	CT	73	IL	3,696,385	PA	46,716	GA	223,198	DC	83%	AK	80%
OK	3,790	WA	29	AL	124	PA	3,186,823	GA	39,772	OH	213,636	WA	82%	WA	80%
OH	3,611	ID	25	FL	416	NC	3,120,822	OH	39,490	PA	199,411	DE	82%	RI	80%
ID	3,300	CA	22	KY	101	OH	3,074,826	IL	39,370	IL	182,700	GA	81%	NM	80%
NC	3,128	GA	20	MO	111	GA	2,870,629	MI	38,038	MI	158,998	MO	81%	VT	78%
TN	3,085	IL	19	MN	72	MI	2,770,359	NJ	34,583	KY	142,830	AK	81%	GA	78%
	41,653		357		2,158		50,768,214		574,659		2,927,887				
All states	76,082		595		4,512	All states	94,777,201		1,061,937		5,311,702	All states	70%		67%
Top ten	55%		60%		48%	Top ten	54%		55%		55%	Median	74%		71%

Some states not reporting

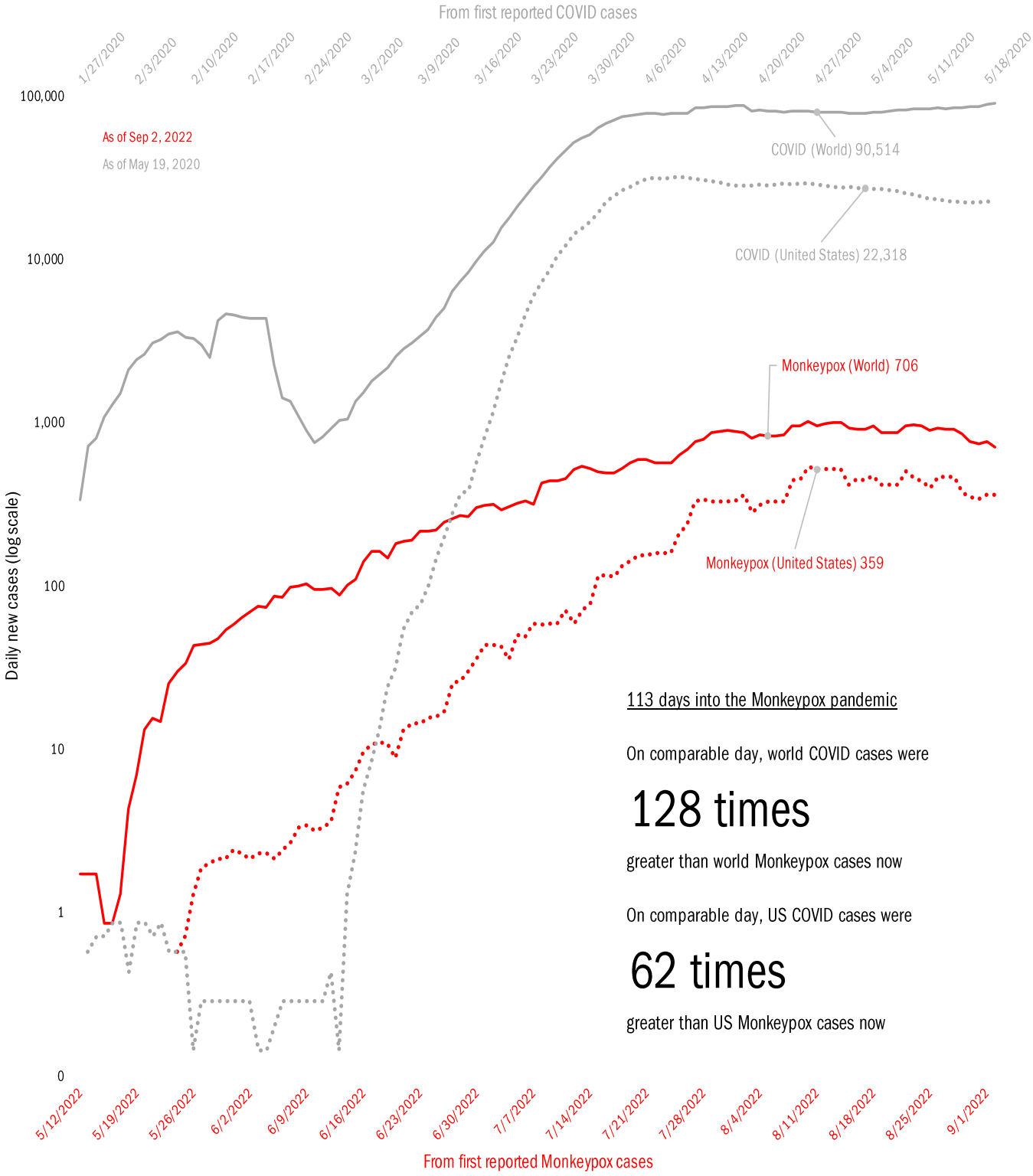
Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-21,827	CA	-45	MA	-45
TX	-10,572	FL	-30	NY	-36
WA	-1,758	VA	-8	LA	-25
PA	-1,688	CO	-2	SC	-25
NJ	-963	NY	-1	MS	-24



Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

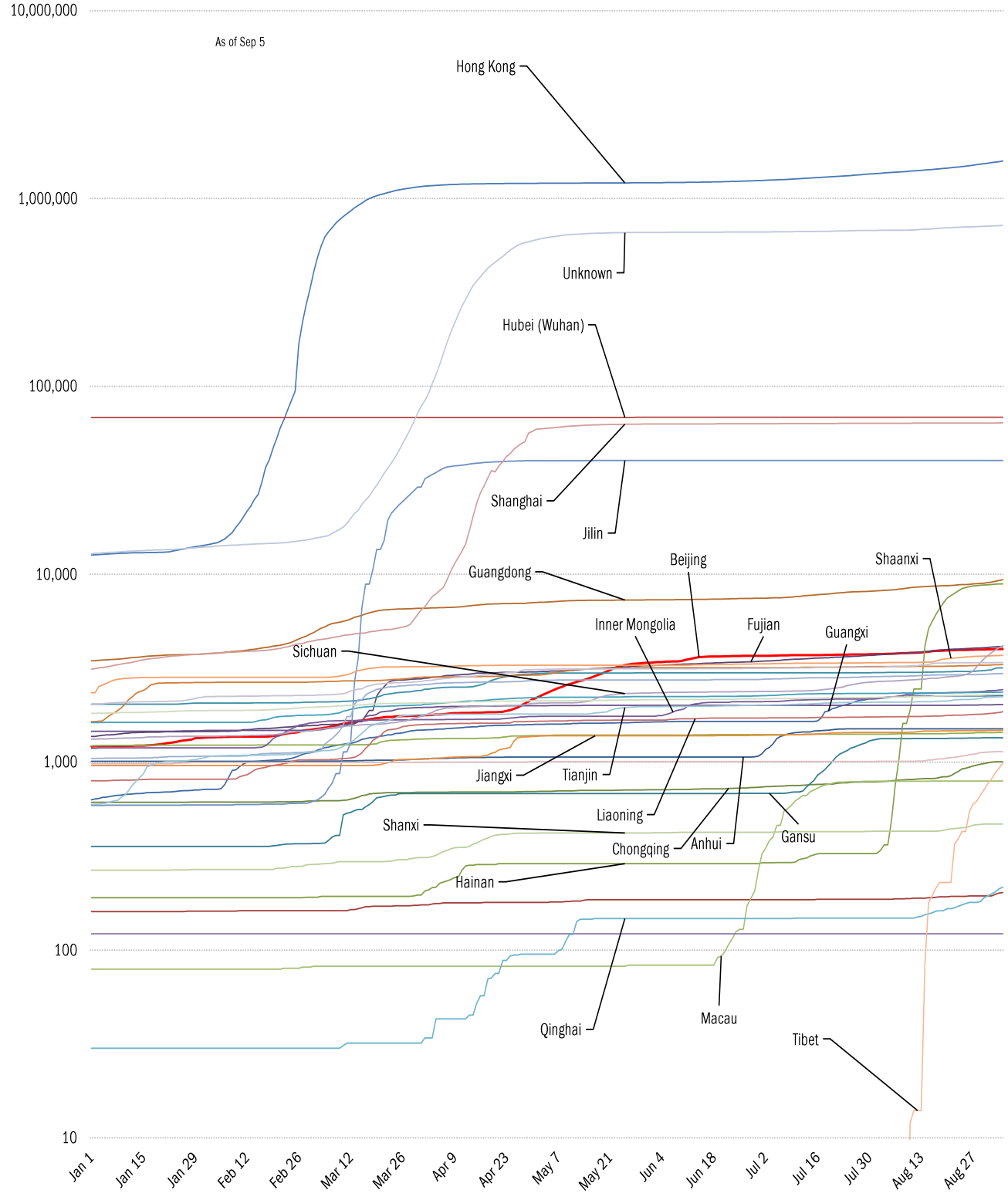
The **Monkeypox** contextualizer
The course of case growth versus COVID



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

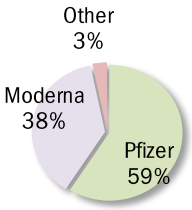
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	625,409,086				+0.159 million
of which boosters	110,937,746				+0.040 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	271,085,285	81%	230,645,139	69%	+0.030 million
Age 12 to 17	18,147,800	72%	15,502,666	61%	+0.003 million
Age 18 to 64	180,917,757	89%	153,679,296	76%	+0.013 million
Age 65 and over	59,725,410	100%	52,247,392	95%	+0.003 million

Immunity	Full	Partial
US	67.5%	79.2%
UK	75.3%	79.9%
France	78.7%	80.9%
Spain	85.6%	87.0%
Germany	76.1%	77.7%
Italy	81.0%	85.8%
Australia	84.0%	86.5%
Israel	66.2%	72.3%
Canada	82.7%	86.7%
Japan	82.4%	83.6%
Africa	22.0%	28.0%
India	67.0%	72.8%
Brazil	80.1%	87.0%
China	89.0%	91.3%

Global data differs due to sources, timing



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

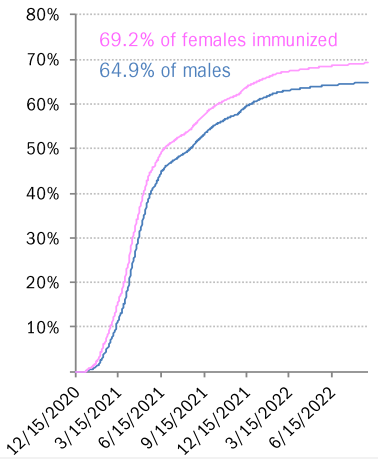
"Immunity" = two doses

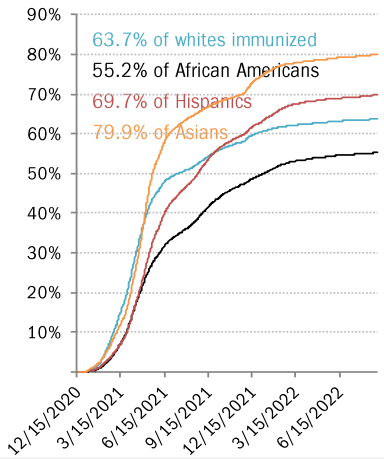
Best
Middle
Worst

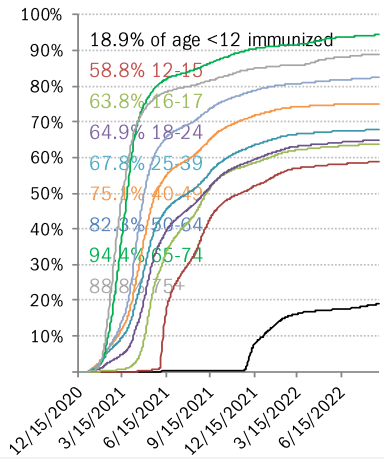
As of Sep 1

AK					WI					ME
71.5%					73.2%					93.2%
63.4%					66.7%					81.2%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
82.9%	62.4%	66.6%	67.1%	76.8%	77.2%	68.1%		92.0%	95.0%	90.7%
73.7%	55.1%	57.8%	56.7%	70.4%	69.6%	61.1%		78.5%	82.8%	72.4%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
79.3%	77.0%	59.2%	79.2%	69.2%	63.2%	64.4%	87.6%	92.4%	95.0%	
70.7%	62.0%	51.9%	63.7%	63.0%	56.8%	59.3%	70.5%	77.1%	80.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.1%	73.7%	81.4%	71.7%	67.6%	67.4%	66.2%	87.9%	88.9%	95.0%	95.0%
73.5%	65.4%	71.6%	64.7%	57.3%	58.4%	58.7%	74.6%	77.3%	80.8%	84.9%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	75.5%	90.5%	74.2%	68.2%	63.4%	87.3%	69.3%	95.0%	85.3%	
	63.1%	72.8%	63.3%	55.6%	55.4%	63.5%	58.3%	78.8%	70.9%	
			OK	LA	MS	AL	GA			
			72.7%	62.0%	60.9%	63.9%	66.9%			
			58.6%	54.4%	53.0%	52.2%	56.0%			
HI			TX					FL		PR
89.5%			74.4%					80.9%		95.0%
79.7%			61.6%					68.2%		84.5%

The demographics of US vaccination



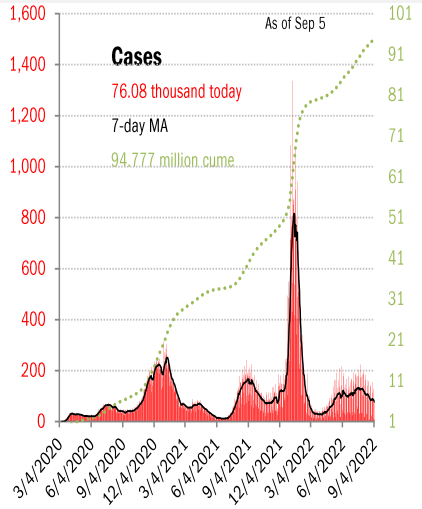


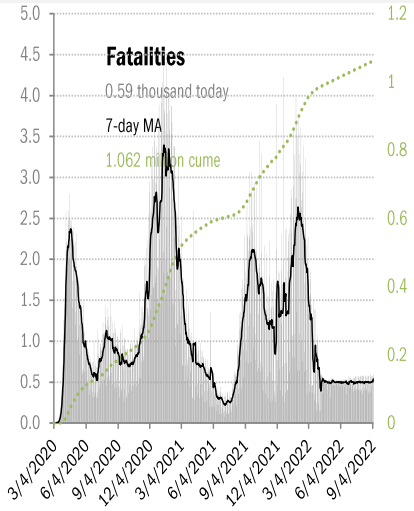


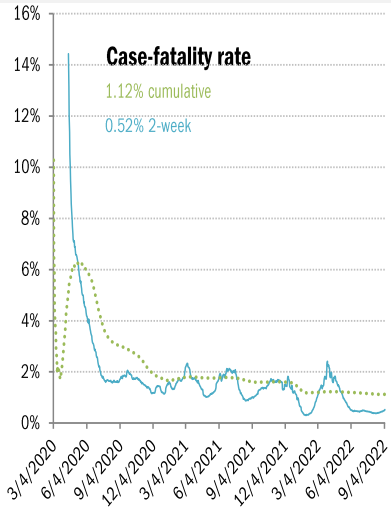
Source: CDC, CDC, Our World in Data, TrendMacro calculations

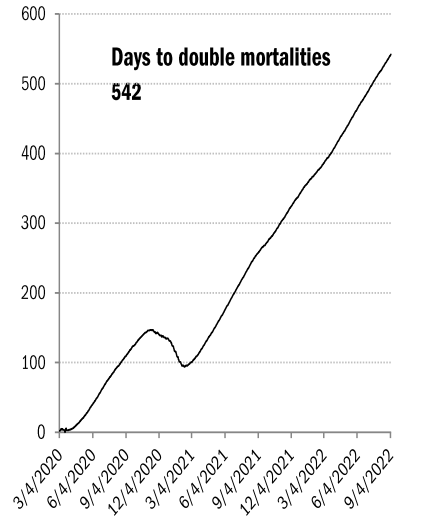
US deep-dive

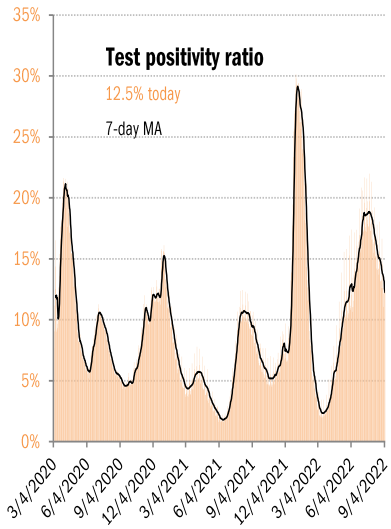
National and state-by-state data do not line up because of different sources

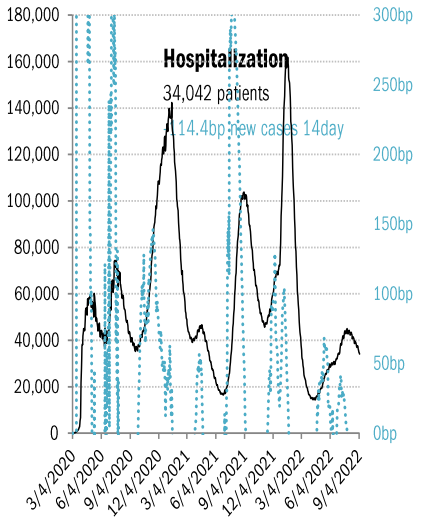


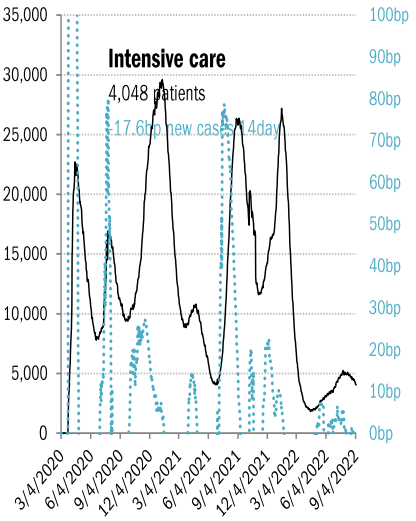


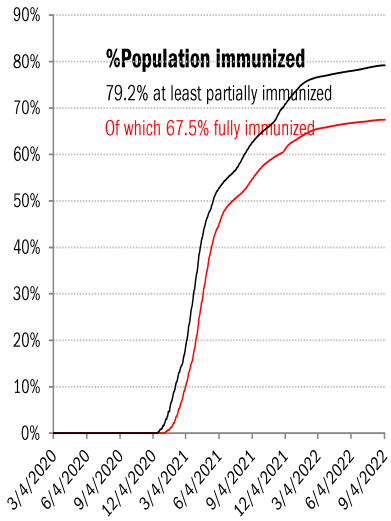










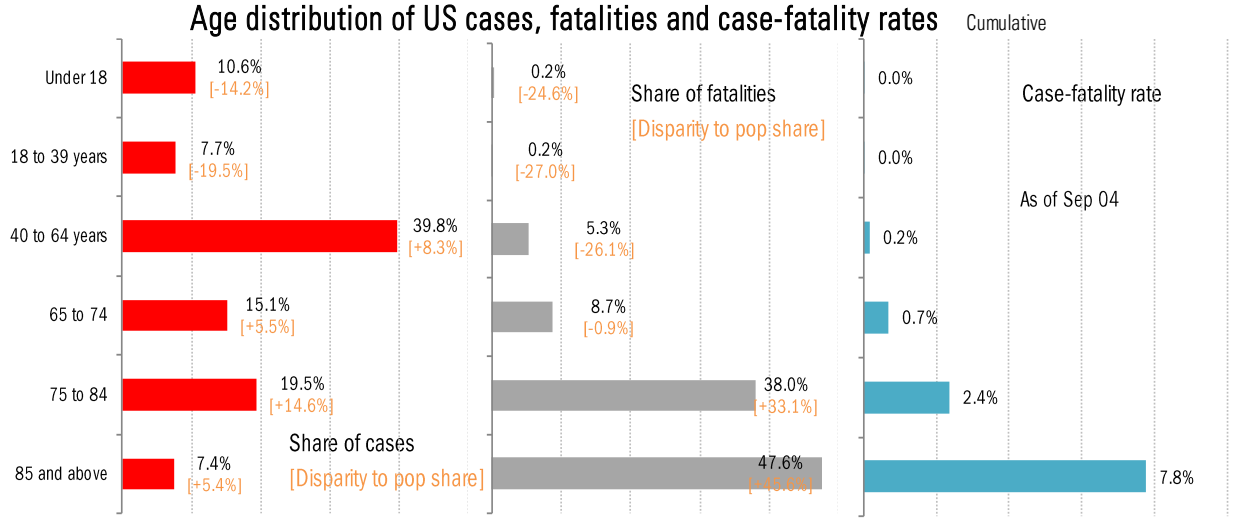


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

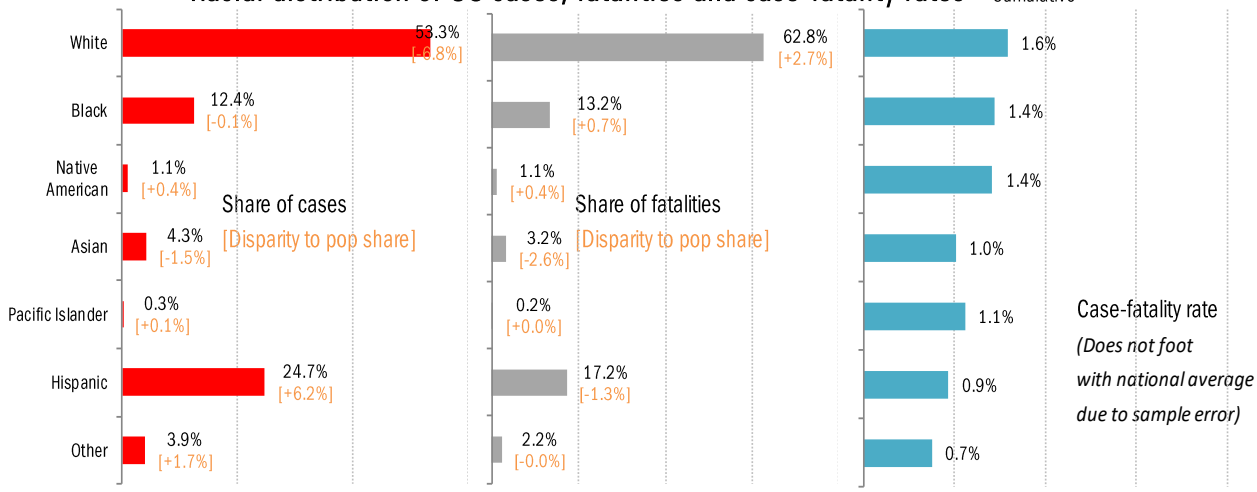
US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag

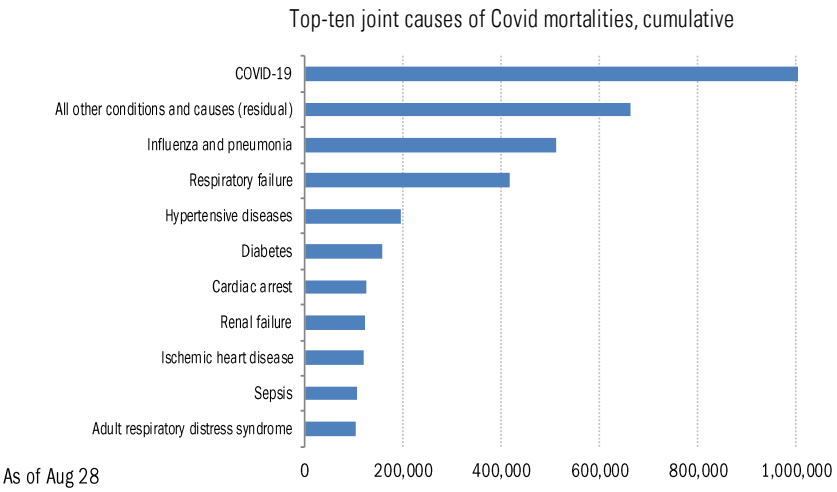
Age distribution of US cases, fatalities and case-fatality rates



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



Comorbidities



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.

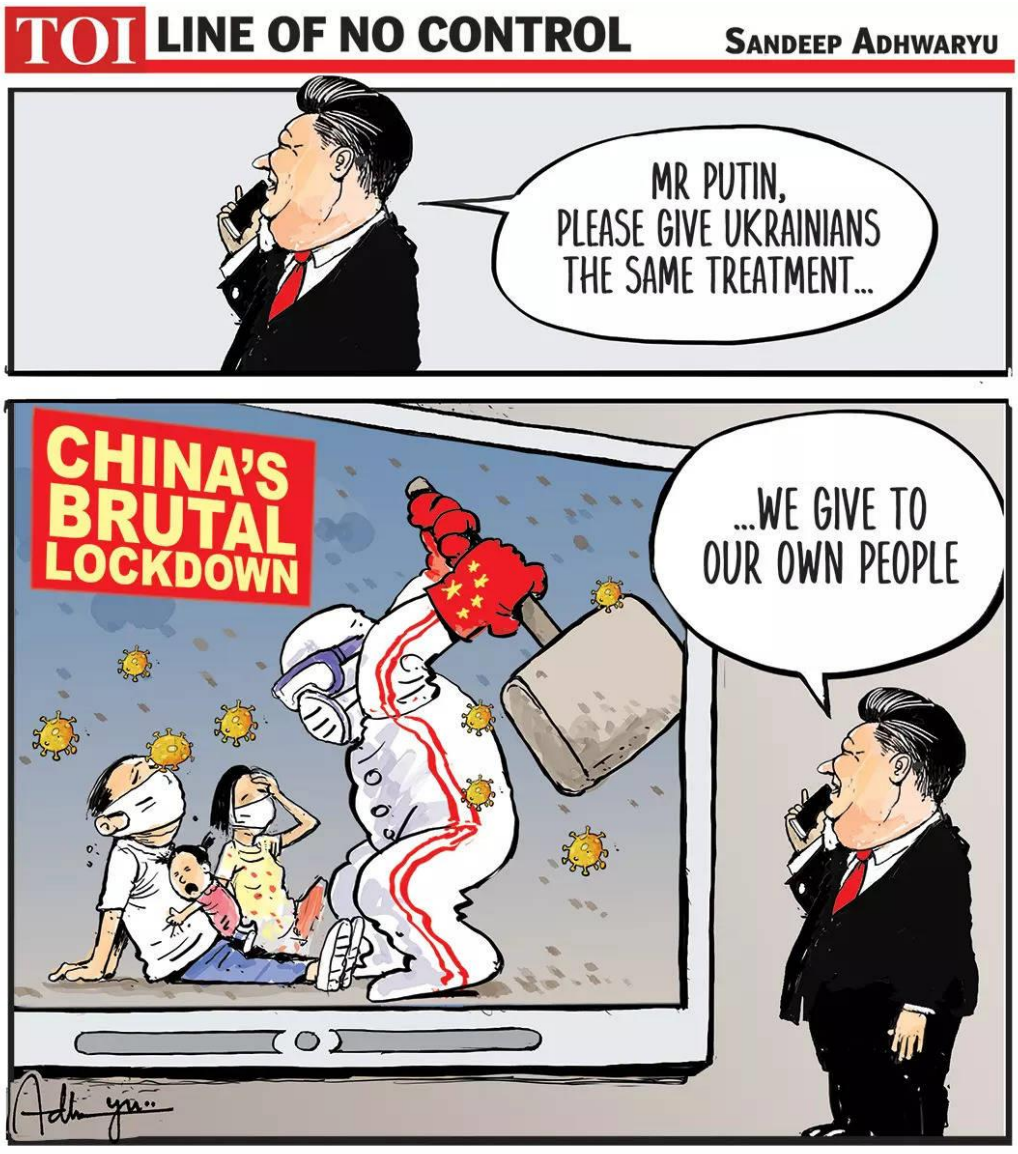
Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

[Look Who's Rushing Covid Vaccines Now](#)
Allysia Finley
Wall Street Journal
September 5, 2022

[No evidence COVID-19 came from bats: Israeli study](#)
World Israel News
September 5, 2022

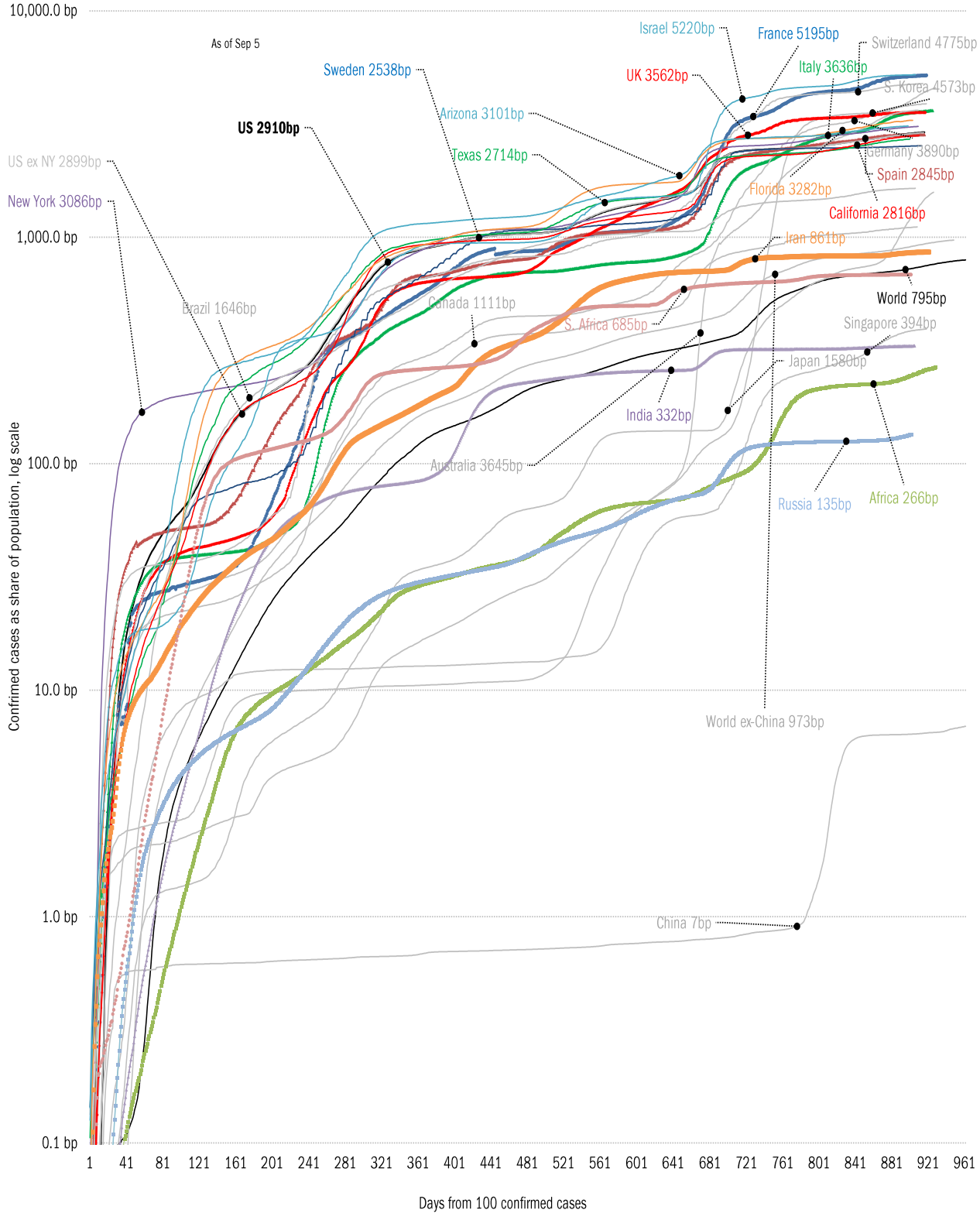
Meme of the day



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

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

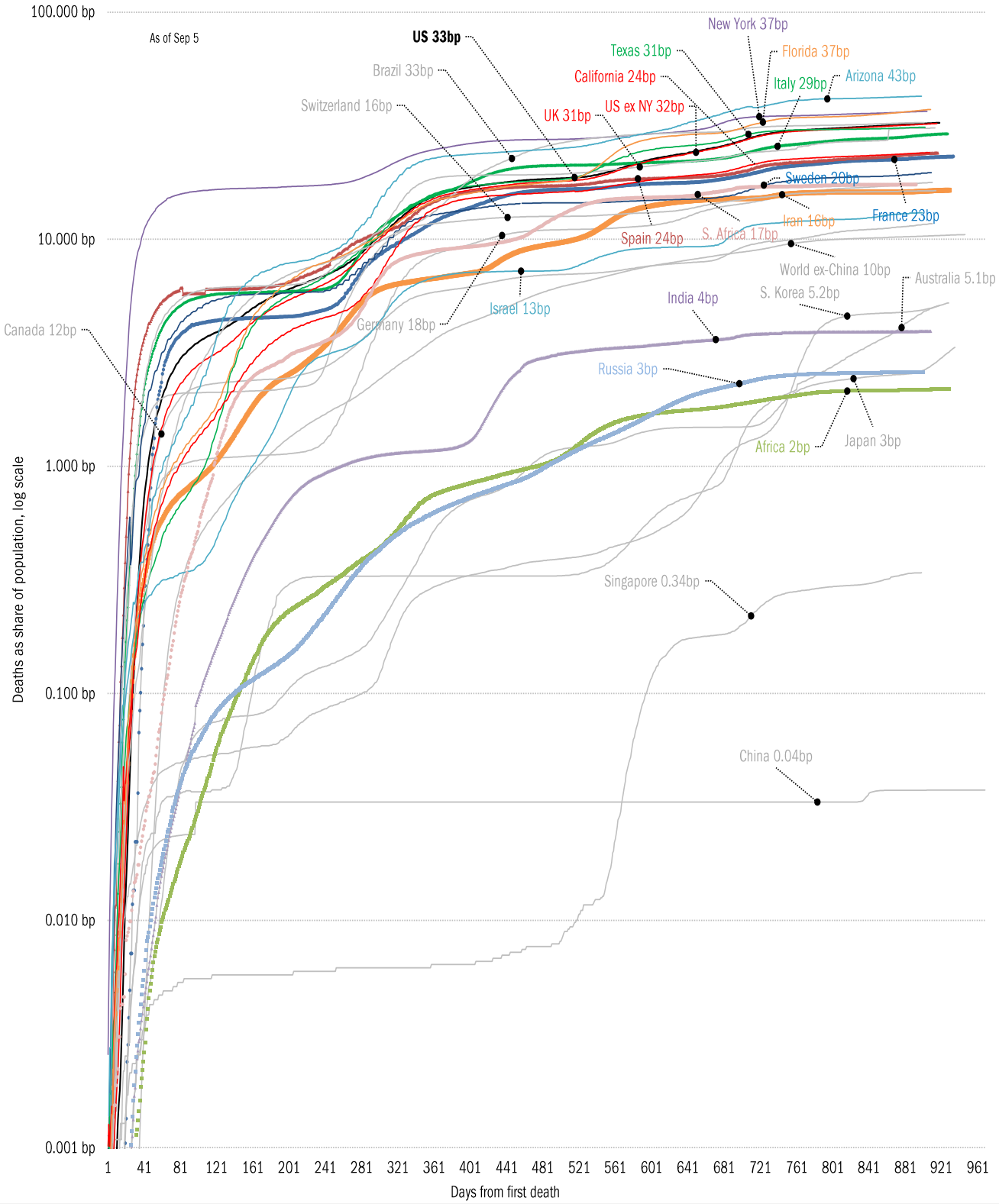
Share of infected population from first day with 100 confirmed cases, log scale



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

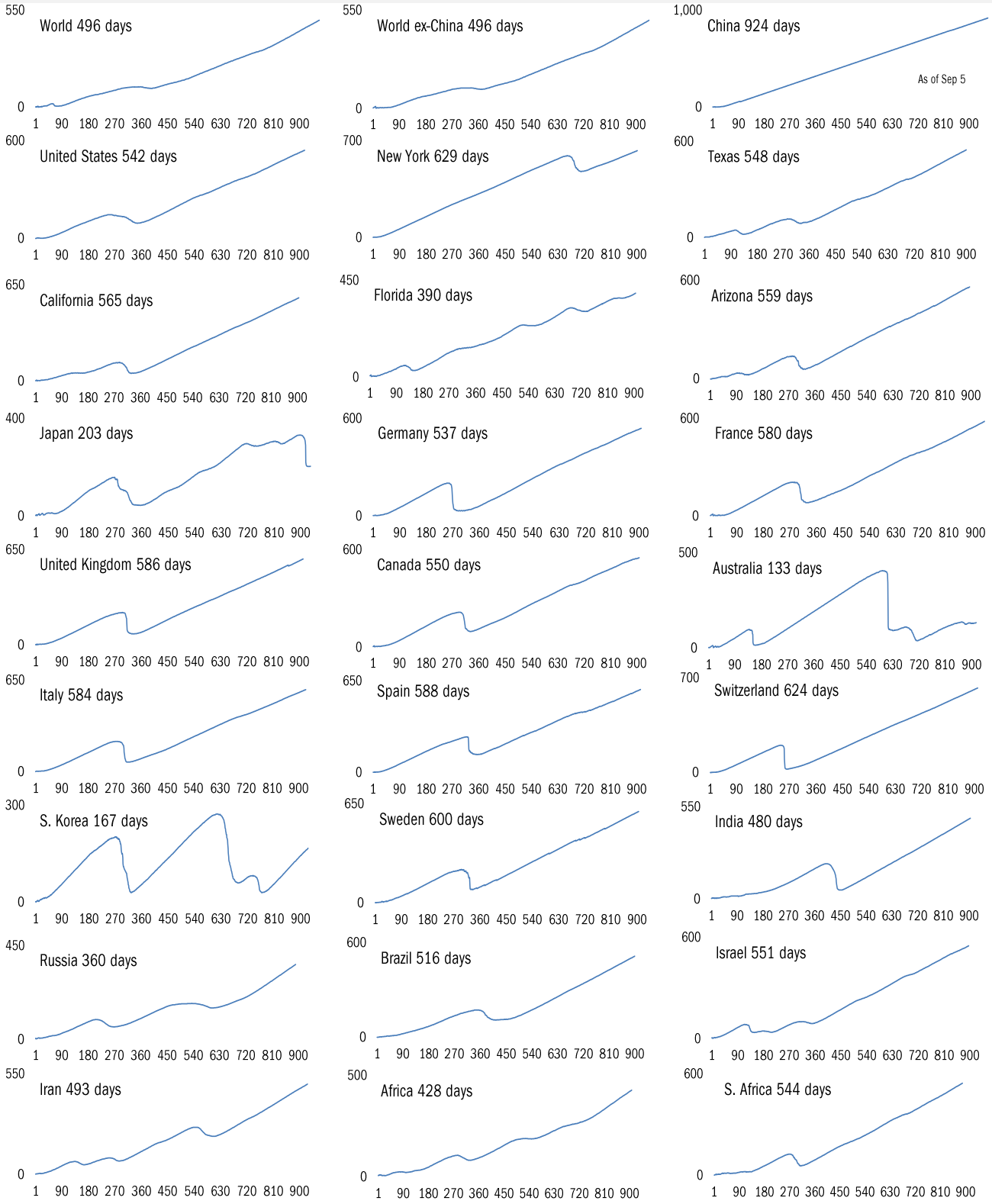


Source: Johns Hopkins, TrendMacro calculations

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

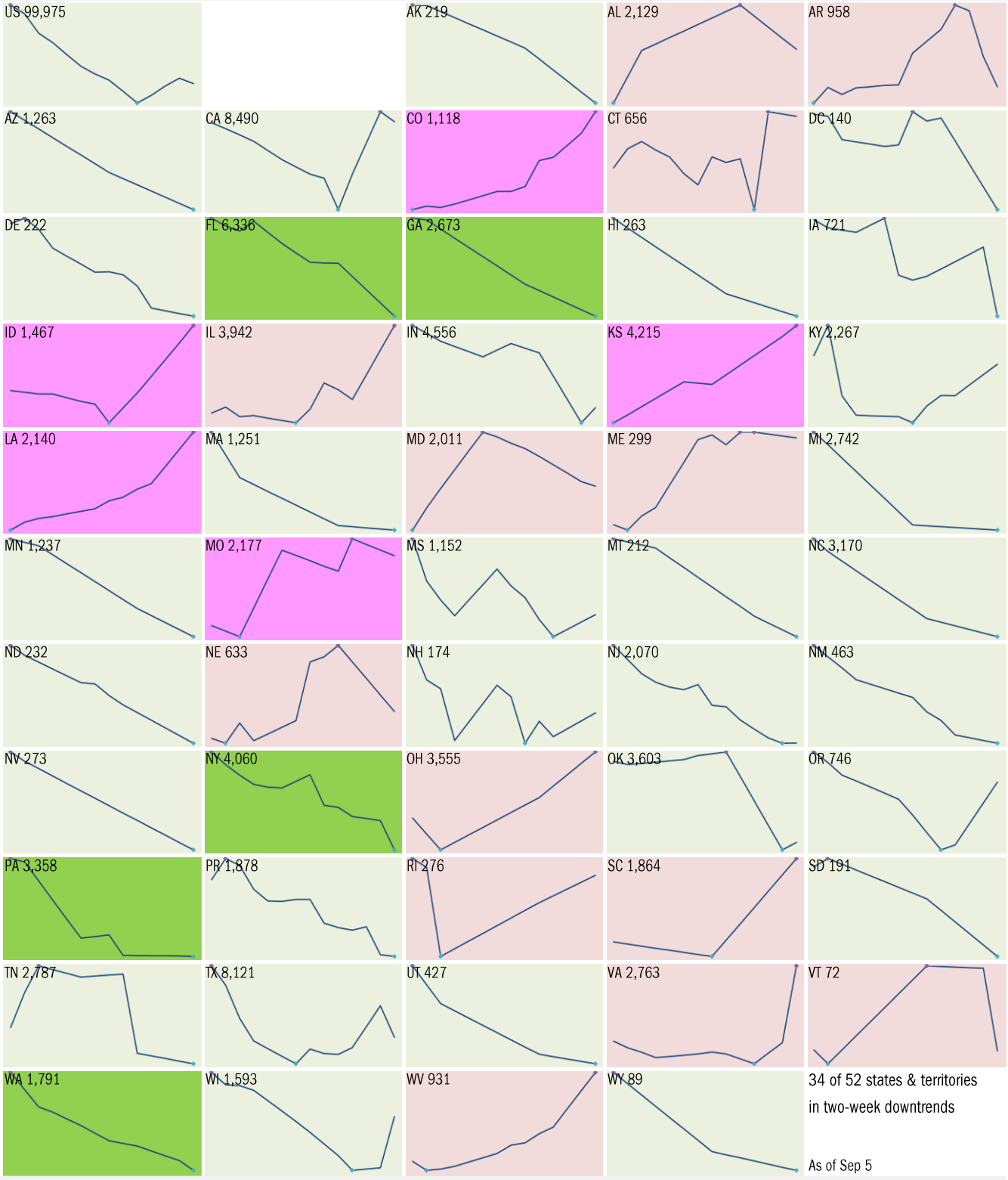


Source: Johns Hopkins, TrendMacro calculations

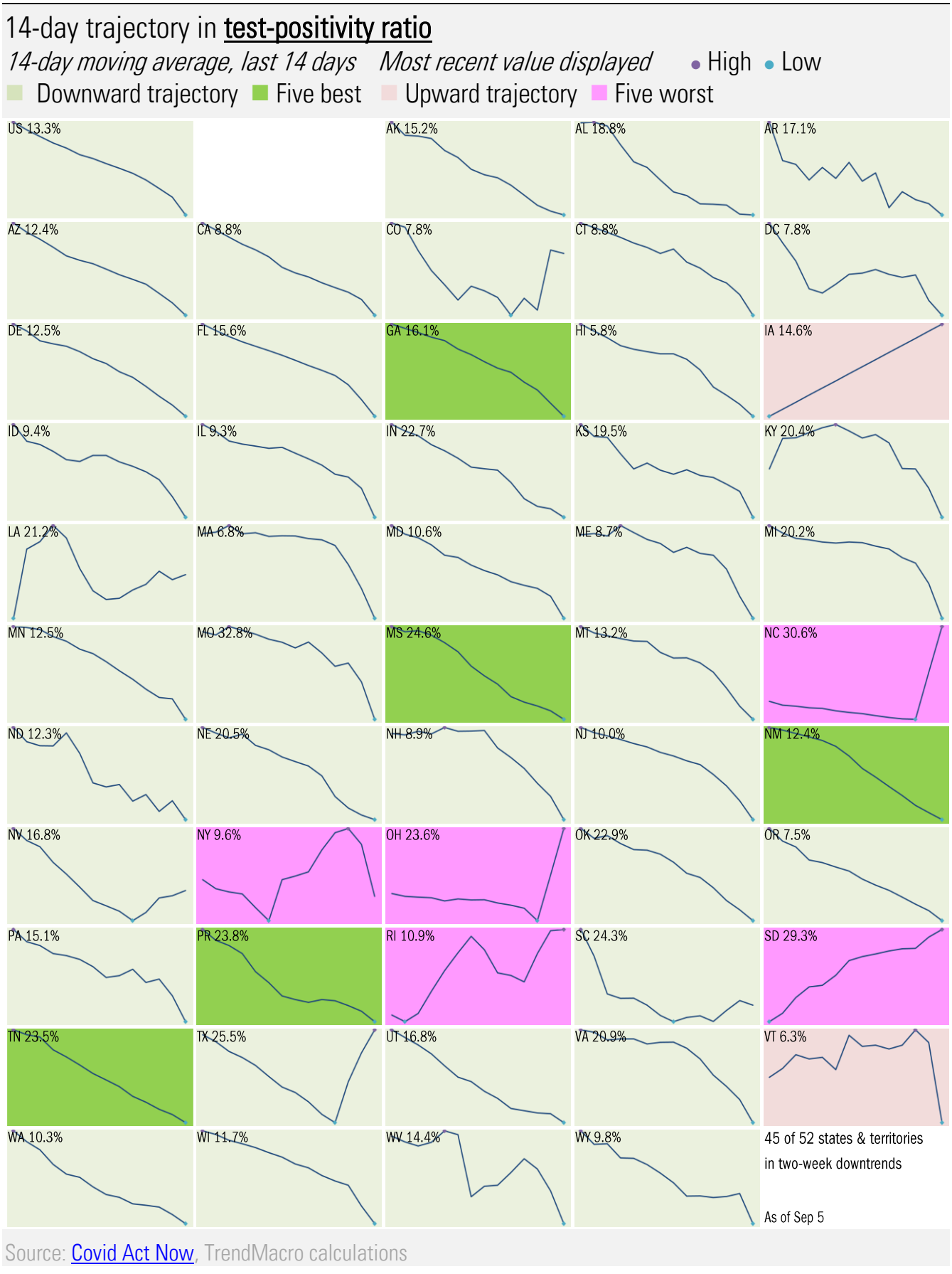
14-day trajectory in **new cases**

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

Downward trajectory | Five best | Upward trajectory | Five worst



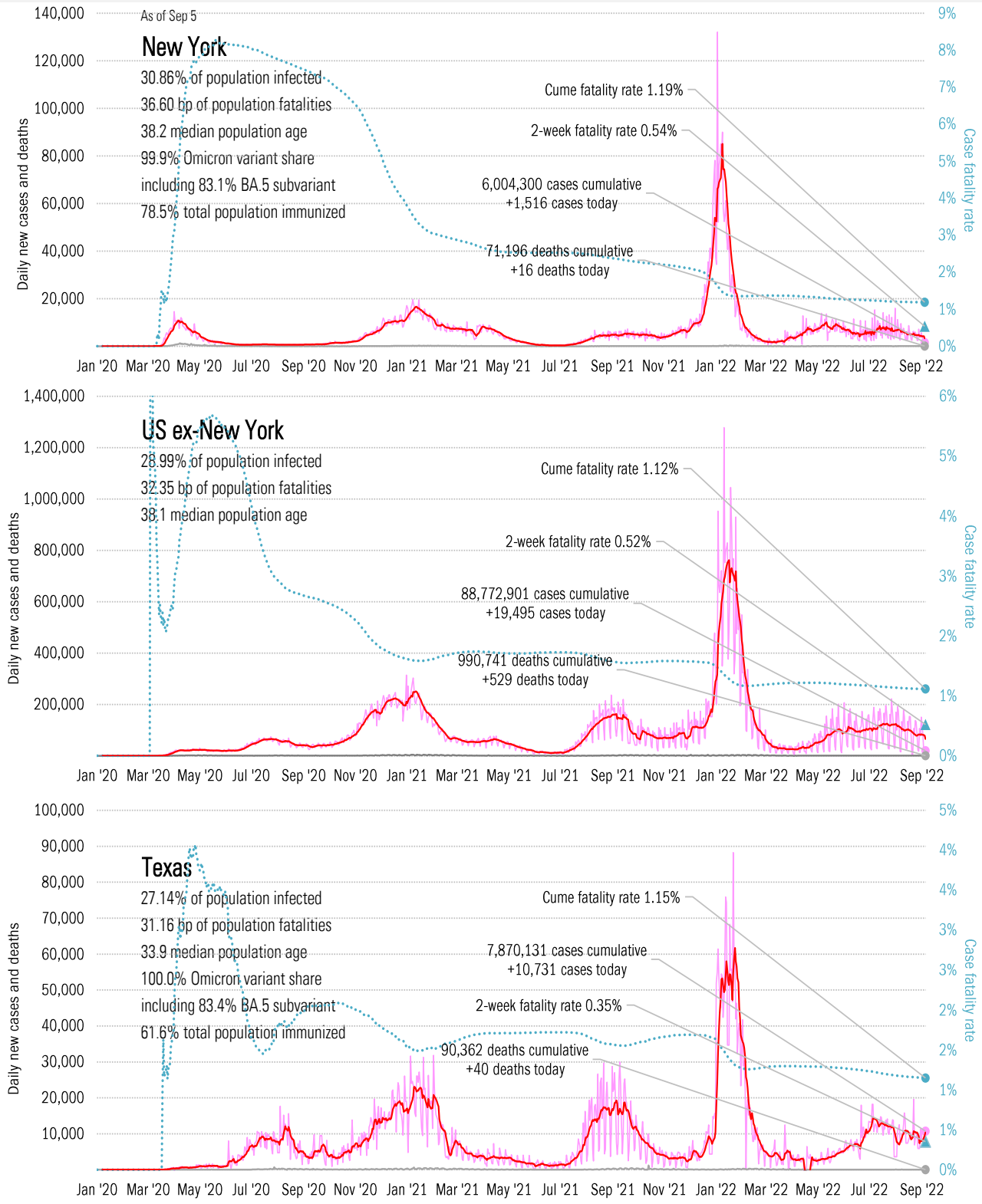
Source: Johns Hopkins, TrendMacro calculations



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

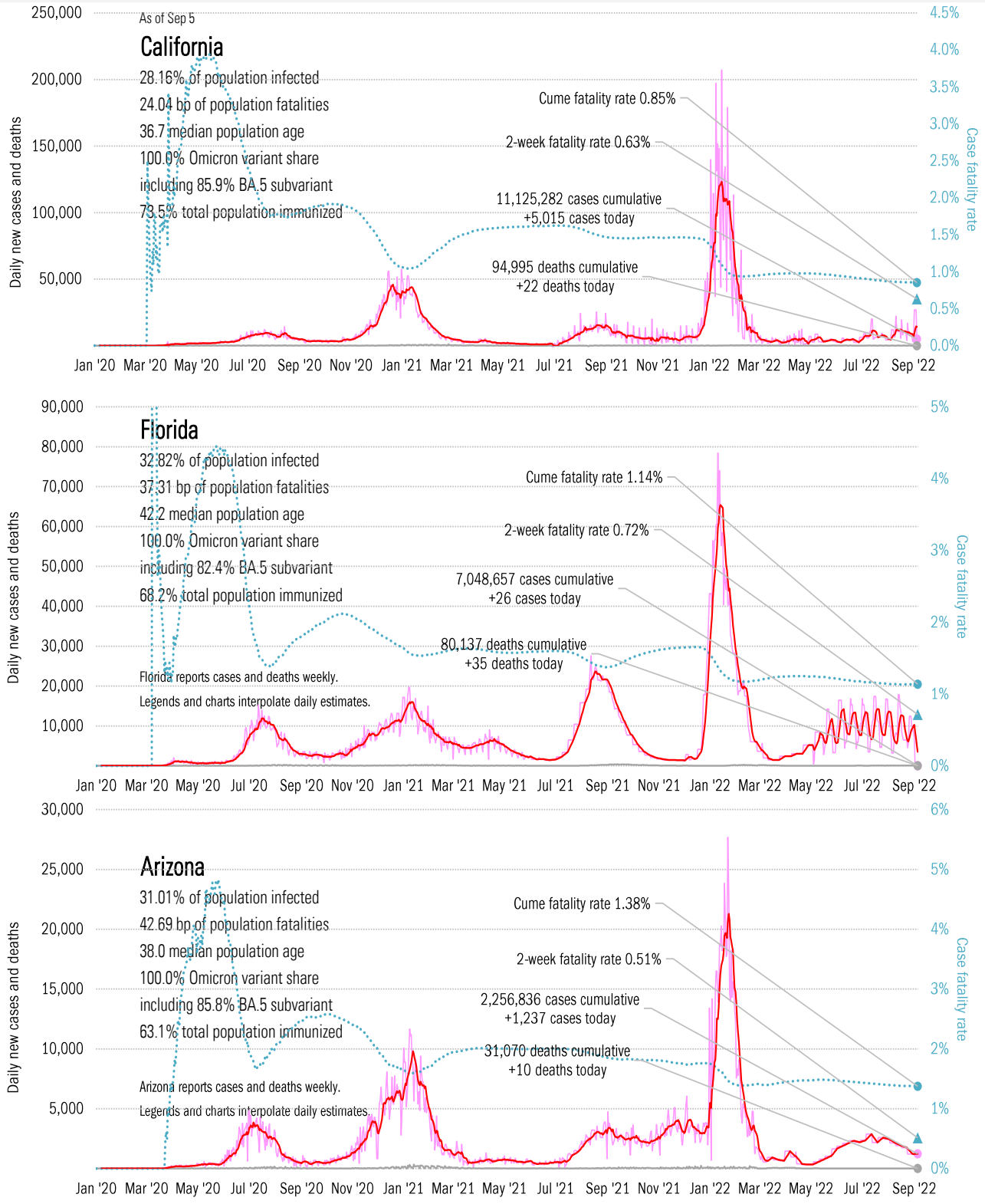
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

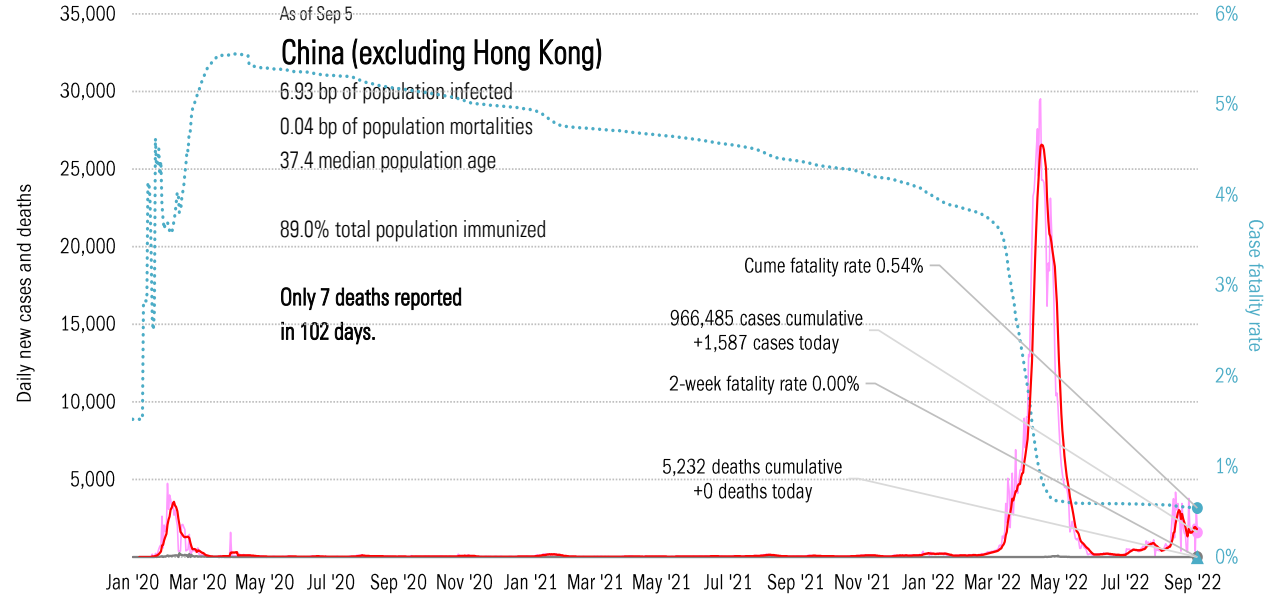
Cases: 7-day average and daily Deaths: Daily

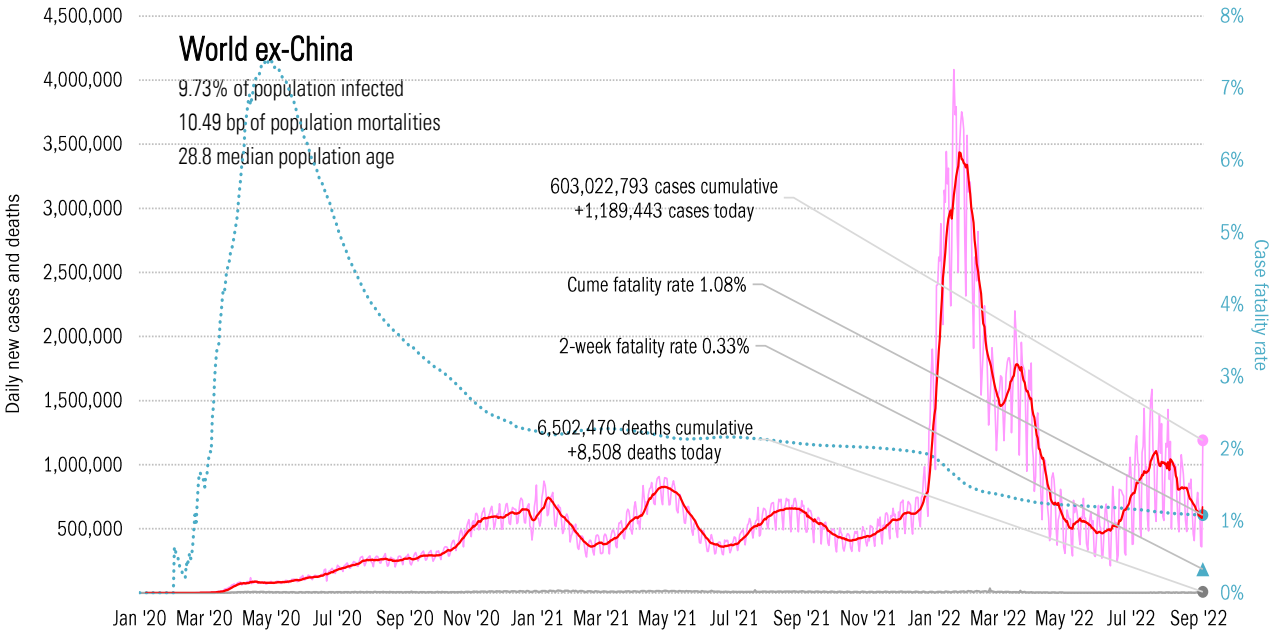


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

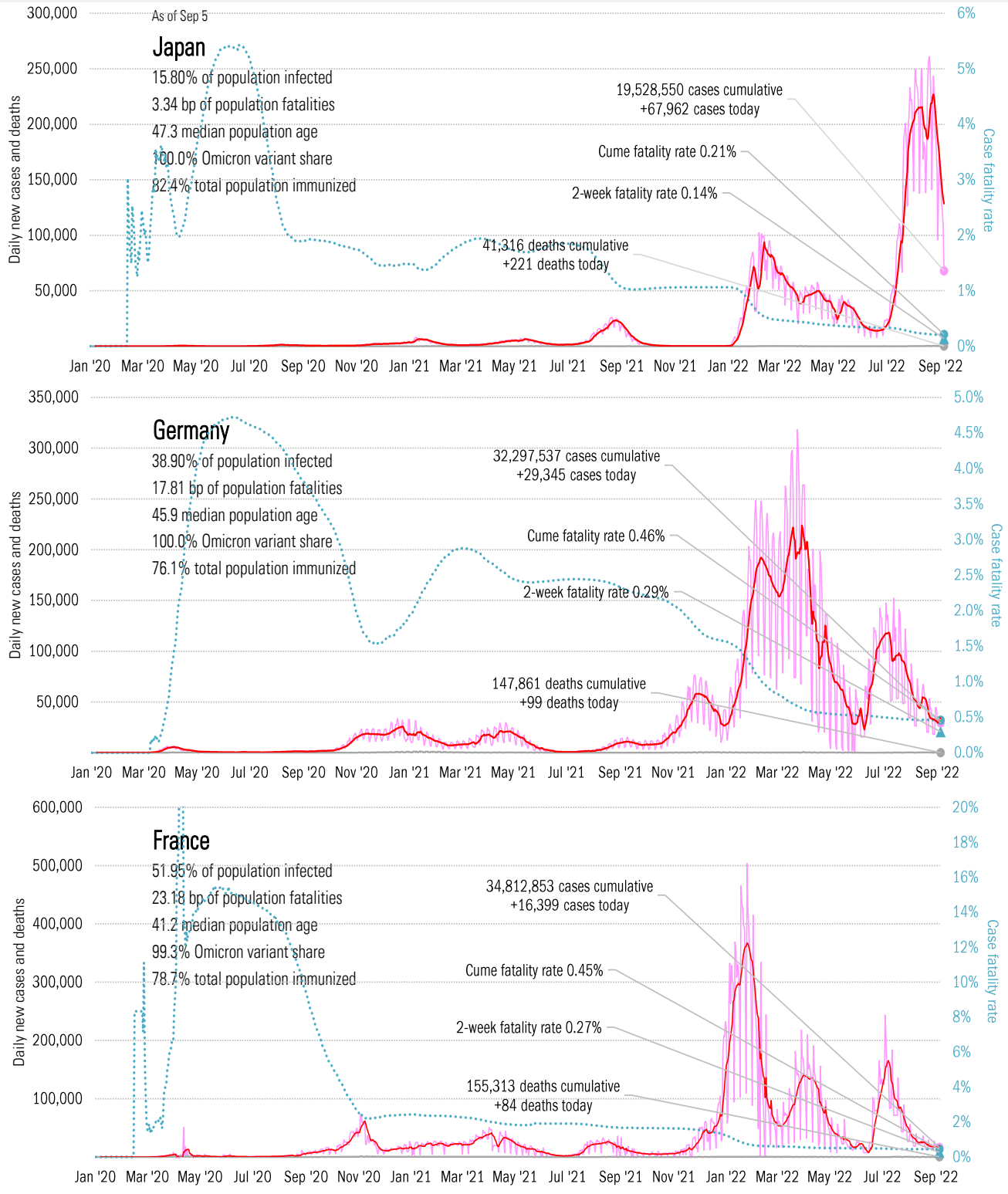




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

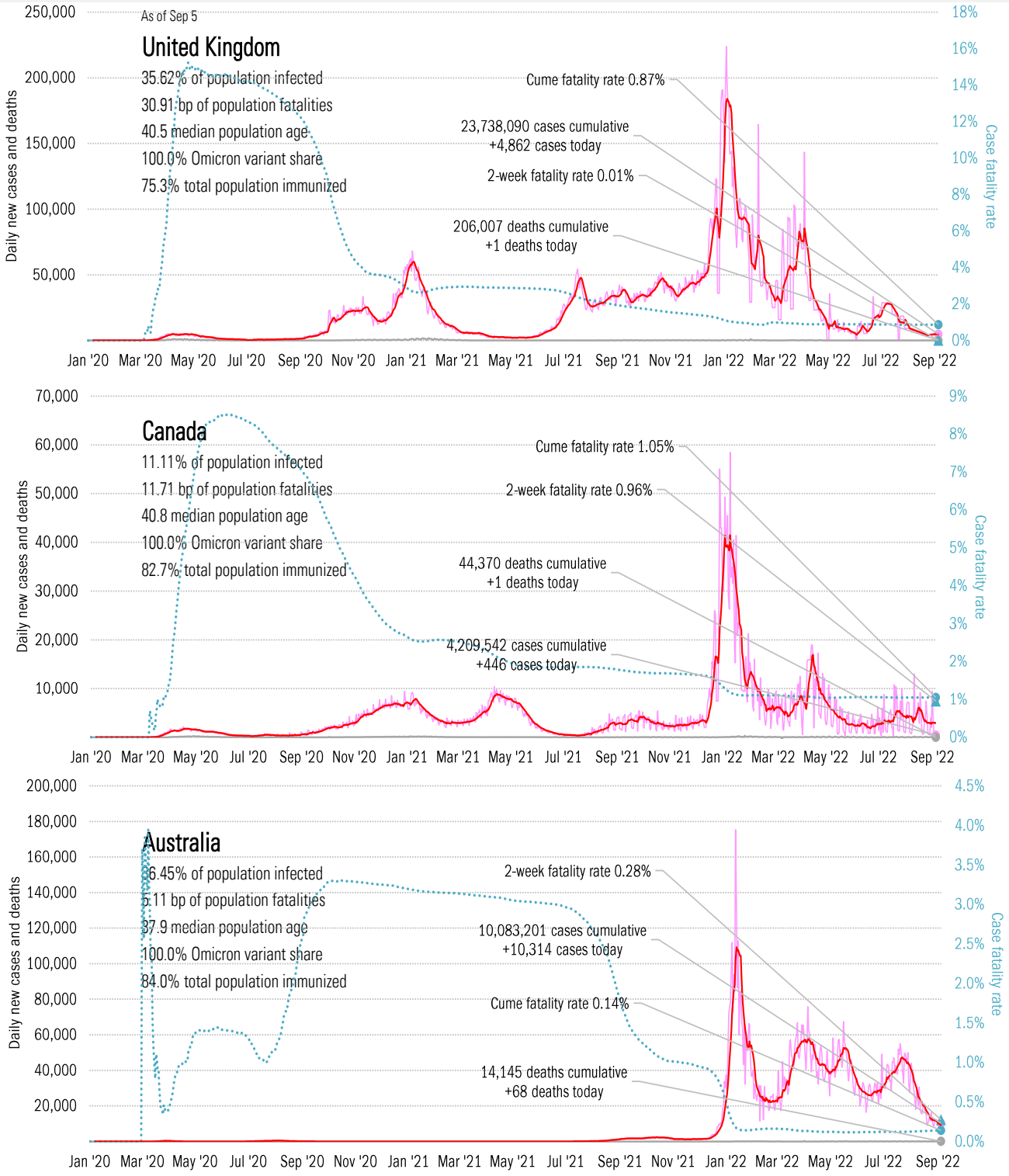
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

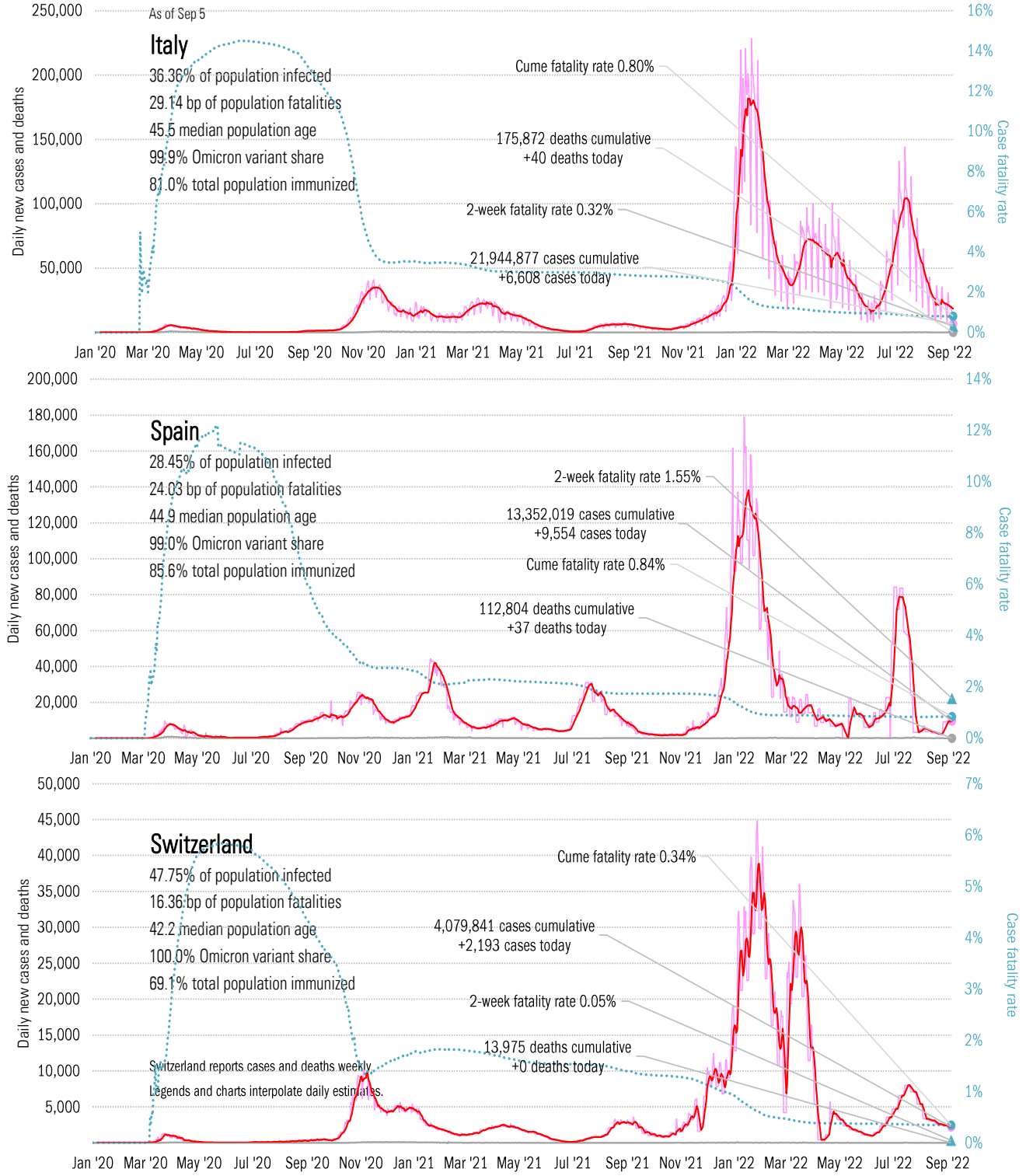
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

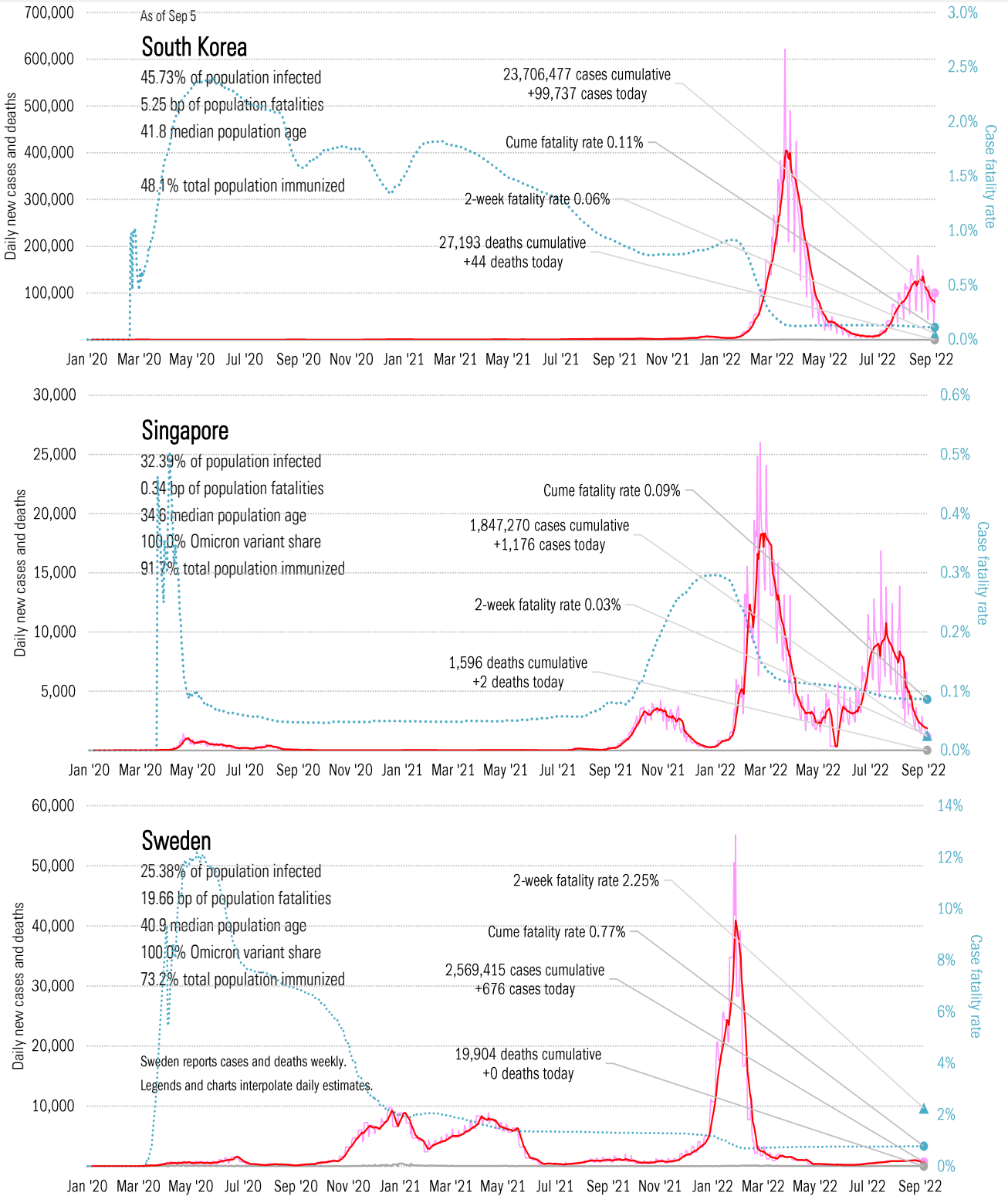
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

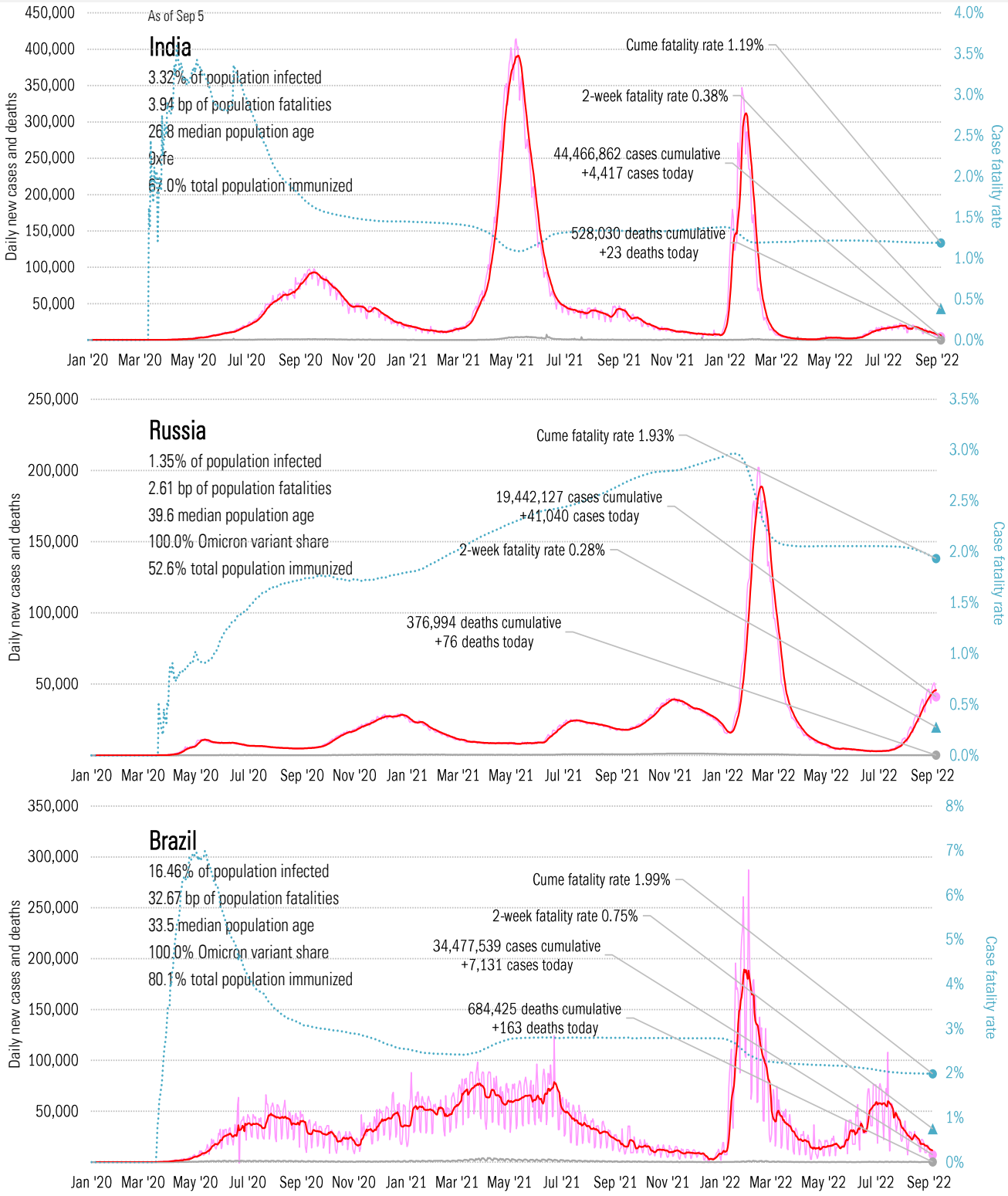
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

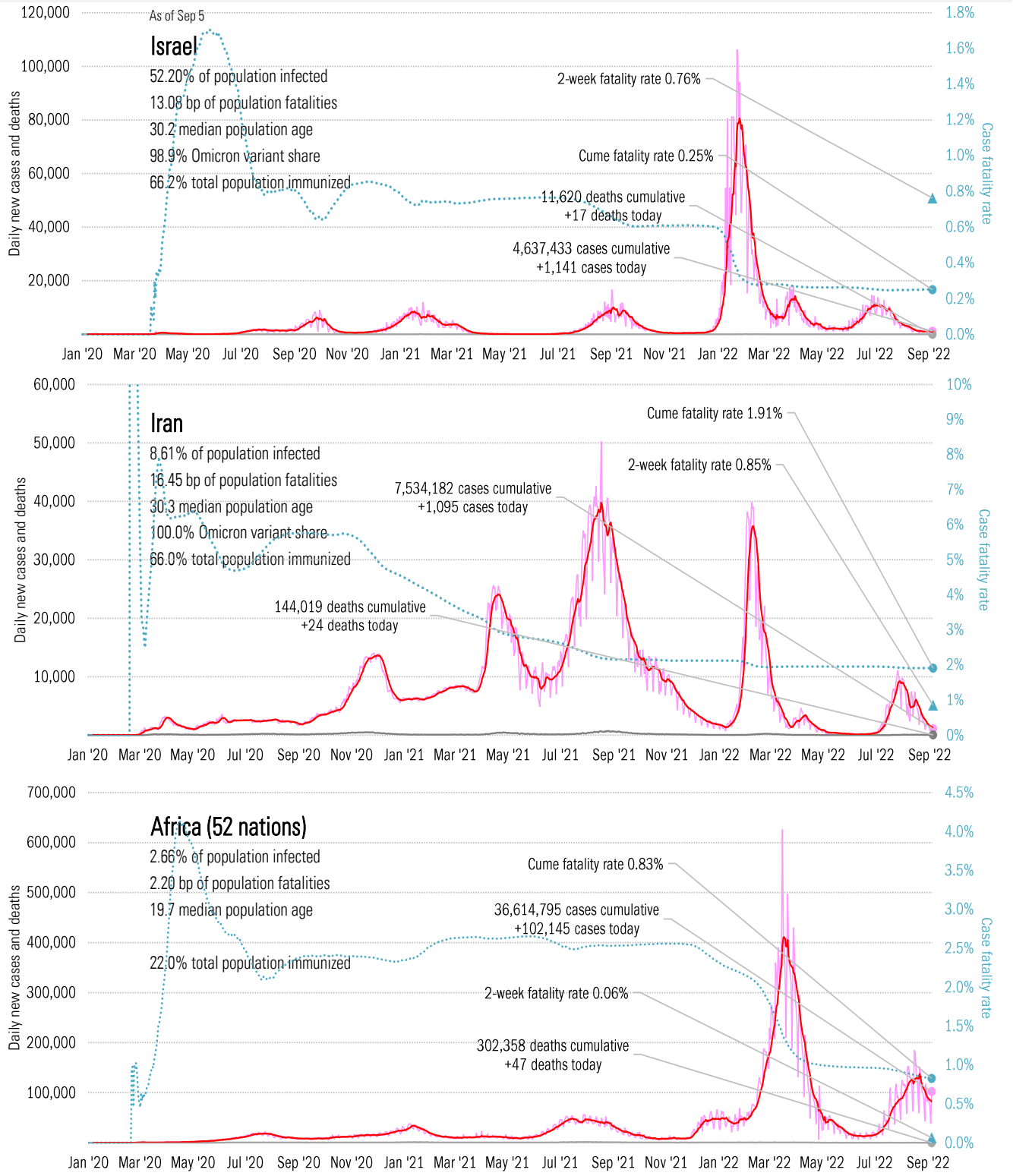
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

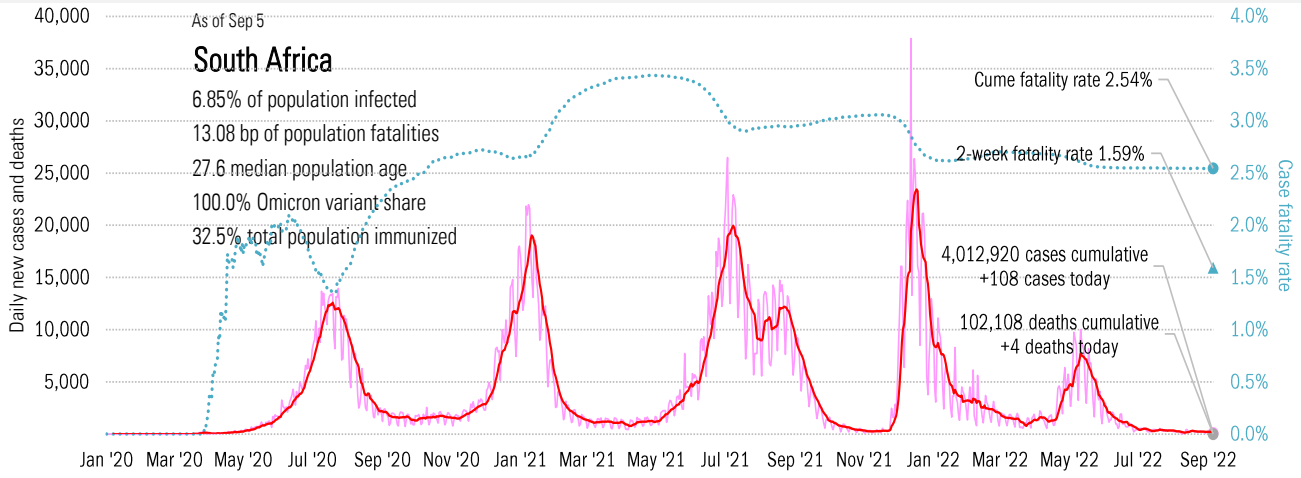
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations