Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

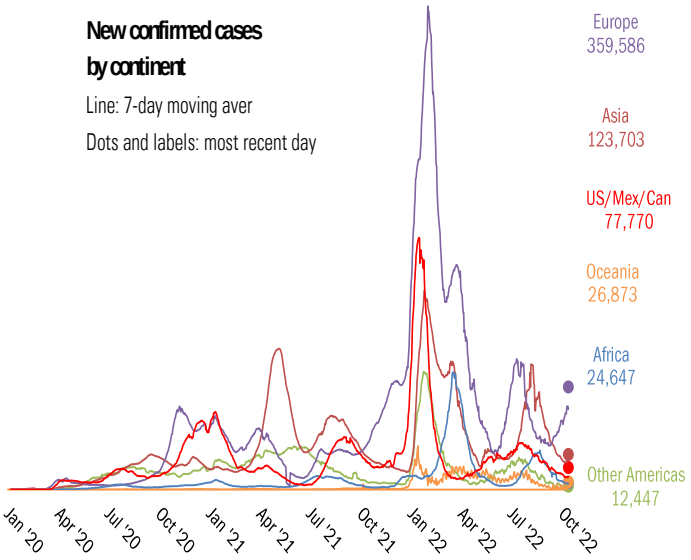
Friday, October 14, 2022

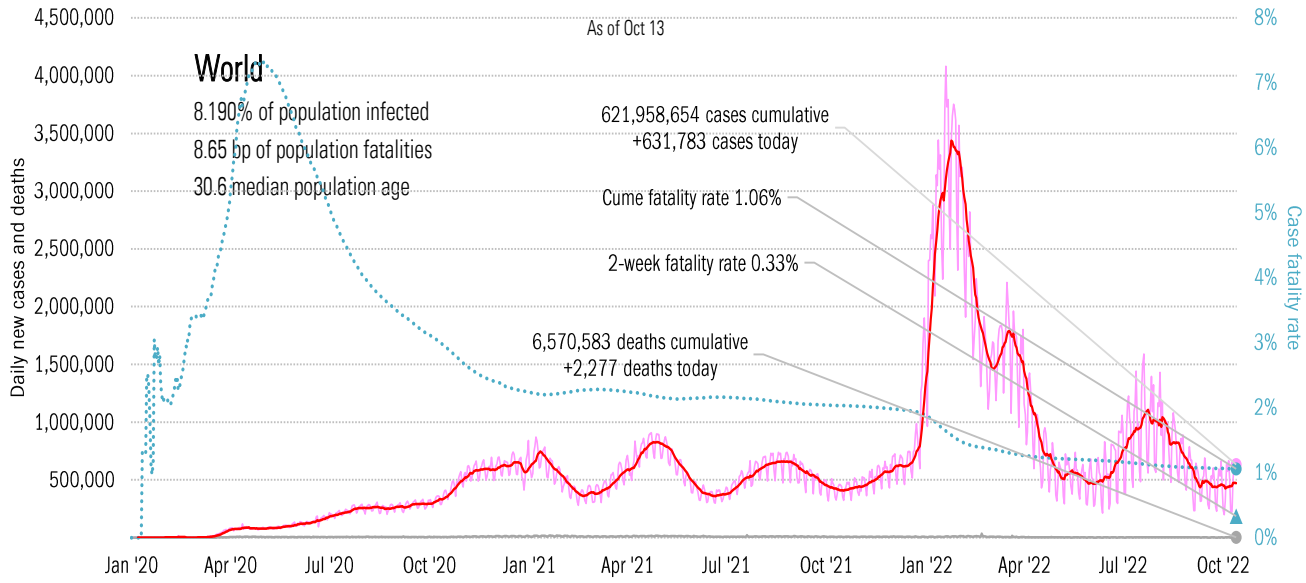
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	114,198	United States	634
France	64,252	United Kingdom	420
United Kingdom	63,546	Germany	165
United States	59,933	Sweden	164
Taiwan*	53,374	Canada	109
Italy	45,705	Brazil	106
Japan	45,690	Russia	99
Australia	26,846	Finland	93
Korea, South	23,562	Japan	78
Russia	15,374	Italy	66
	512,480		1,934
World	631,783	World	2,277
Top ten	81%	Top ten	85%





Source: Johns Hopkins, TrendMacro calculations

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Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

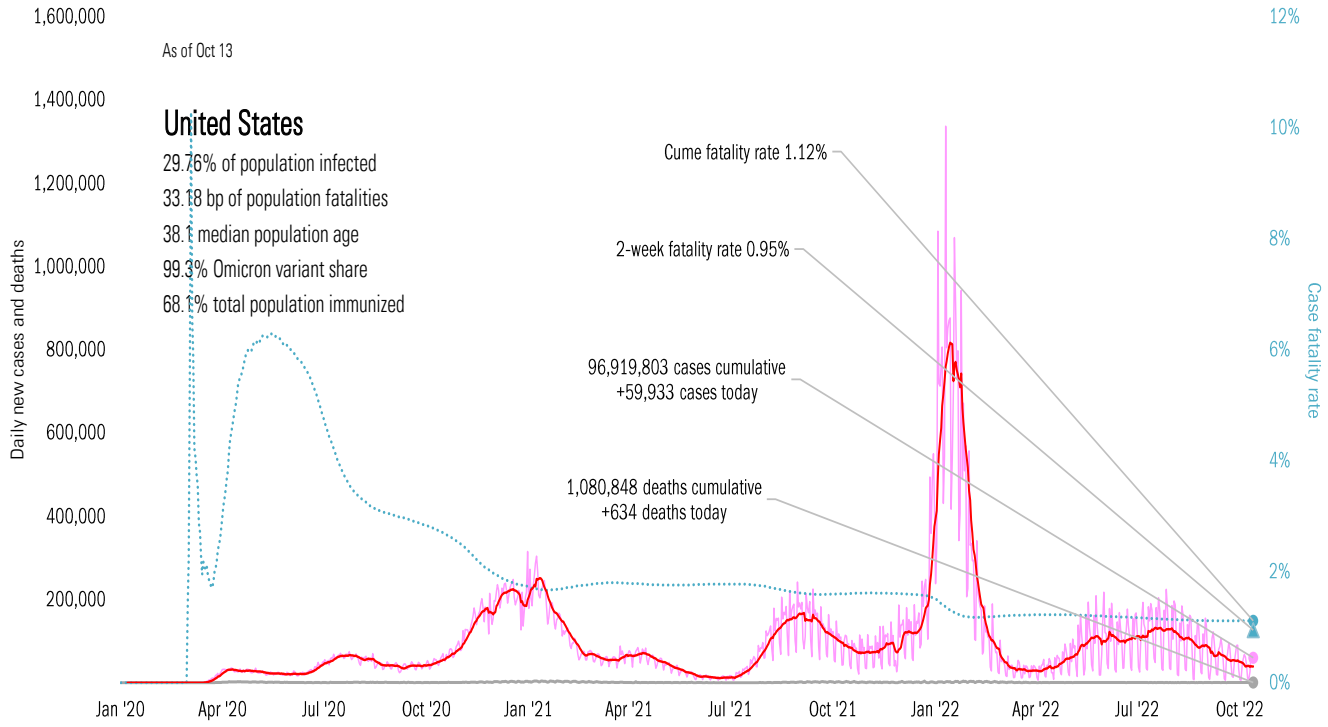
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CH	8,535	CA	146	CA	314	CA	11,317,981	CA	96,425	TX	548,011	RI	92%	TX	87%
CA	6,458	IN	68	CH	173	TX	8,020,178	TX	91,047	CA	503,342	MA	89%	RI	85%
MN	5,386	NY	59	PA	215	FL	7,179,341	FL	81,904	FL	495,955	MN	85%	MA	85%
NY	5,046	MN	43	IL	168	NY	6,175,384	NY	72,164	NY	304,042	MO	84%	DC	85%
FL	3,227	FL	37	MO	82	IL	3,782,251	PA	47,442	GA	226,570	GA	83%	VT	84%
KY	2,374	WA	30	CK	36	PA	3,280,190	GA	40,448	CH	220,045	DC	83%	NC	83%
IL	2,268	MI	22	IN	70	NC	3,220,858	CH	40,037	PA	205,965	MI	83%	AK	83%
NJ	2,132	IL	21	KS	32	CH	3,162,278	IL	39,823	IL	188,386	MD	82%	NE	82%
CK	1,815	WI	20	KY	54	GA	2,913,382	MI	38,919	MI	164,249	CT	81%	GA	81%
PA	1,803	PA	17	AK	7	MI	2,861,595	NJ	34,810	KY	145,676	WV	81%	WA	81%
	39,044		463		1,151		51,913,438		583,019		3,002,241				
All states	59,933		634		3,341	All states	96,919,803		1,080,848		5,448,089	All states	70%		67%
Top ten	65%		73%		34%	Top ten	54%		55%		55%	Median	77%		75%

Some states not reporting

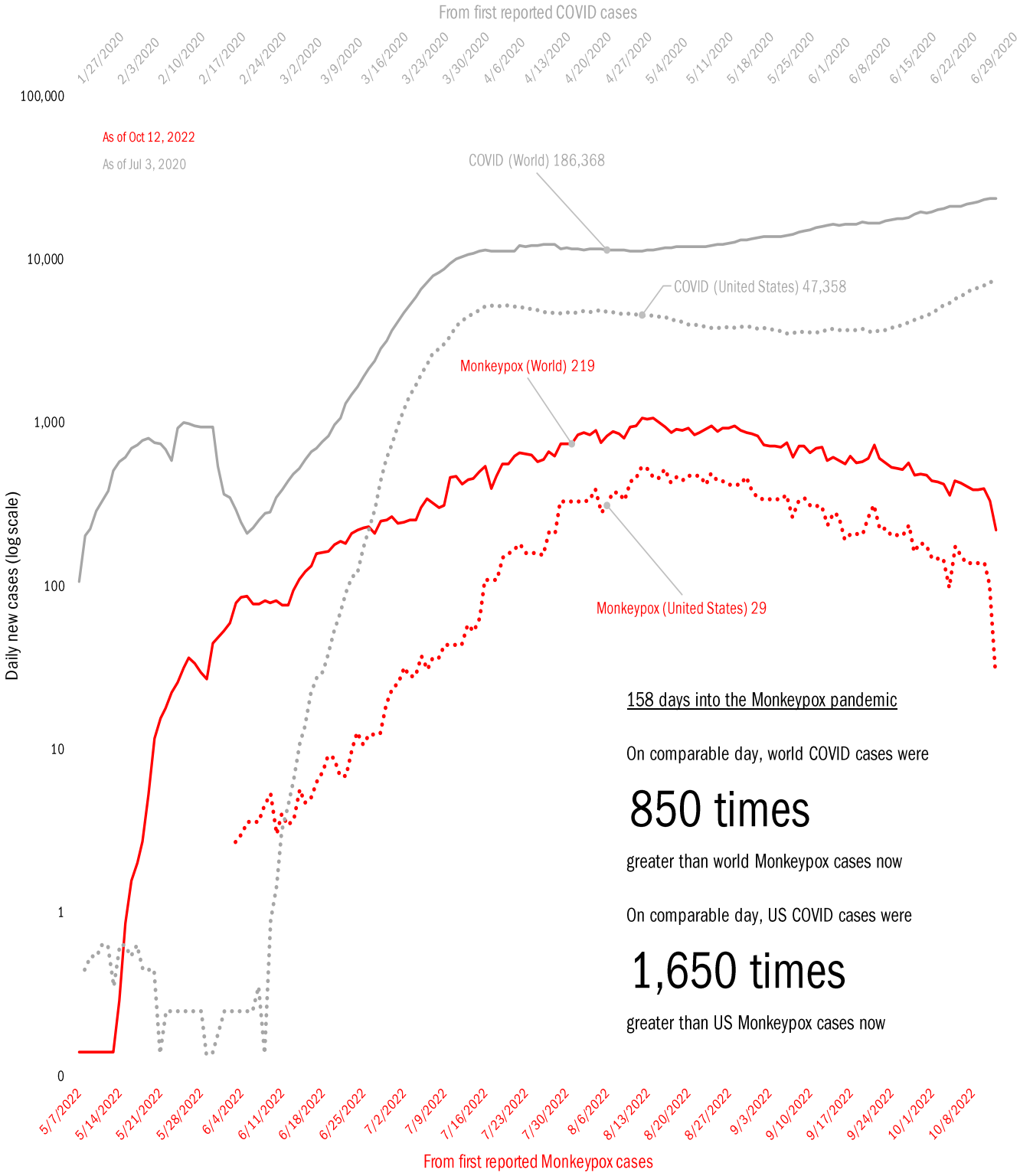
Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TX	-3,281	TX	-61	NY	-59
MD	-1,268	MD	-19	MA	-41
CT	-463	NY	-16	MN	-40
IA	-383	NJ	-8	MD	-35
WI	-185	LA	-4	WI	-35



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

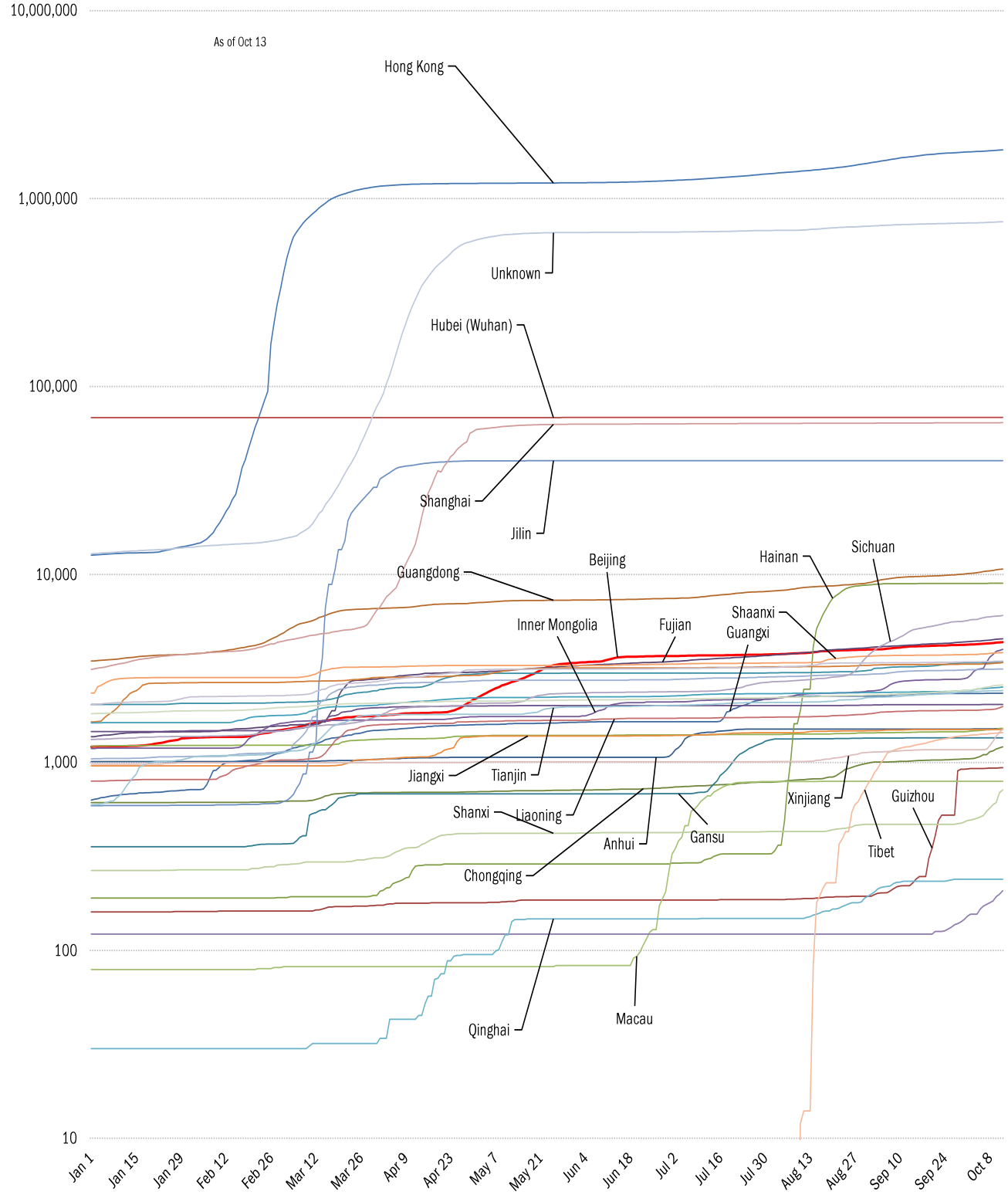
The **Monkeypox** contextualizer
The course of case growth versus COVID



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

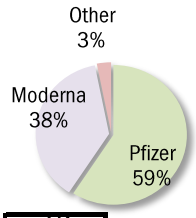
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	643,583,151				+0.536 million
of which boosters	113,097,158				+0.042 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	273,344,554	82%	232,908,646	70%	+0.049 million
Age 12 to 17	18,261,175	72%	15,609,028	62%	+0.002 million
Age 18 to 64	182,139,977	90%	154,856,290	76%	+0.024 million
Age 65 and over	60,207,686	100%	52,698,897	96%	+0.016 million

Immunity	Full	Partial
US	68.1%	79.9%
UK	75.4%	80.0%
France	78.7%	81.0%
Spain	85.6%	87.0%
Germany	76.1%	77.7%
Italy	81.0%	85.8%
Australia	84.0%	86.6%
Israel	66.2%	72.3%
Canada	82.8%	87.8%
Japan	82.6%	83.7%
Africa	24.1%	30.1%
India	67.4%	72.9%
Brazil	80.4%	87.4%
China	89.2%	91.4%

Global data differs due to sources, timing



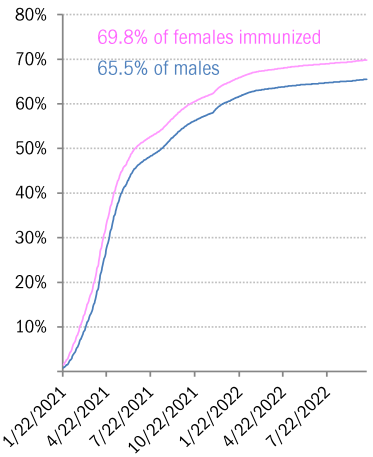
State
At least partial immunity as % population
Full immunity as % population
"Immunity" = two doses

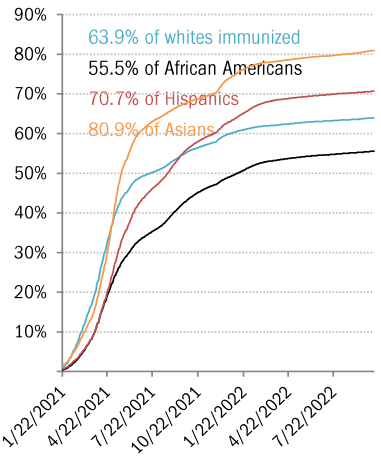
Best
Middle
Worst

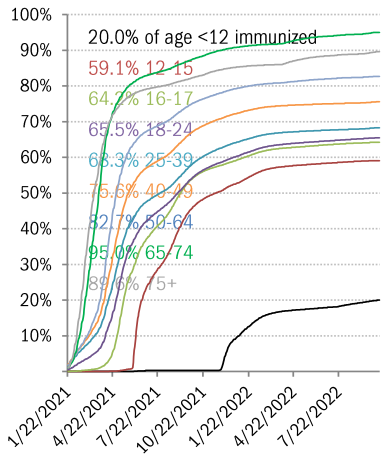
As of Oct 14

					WI					ME
					73.8%					94.3%
					67.2%					81.9%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
83.6%	62.9%	67.0%	67.8%	77.4%	78.0%	68.6%		92.7%	95.0%	84.7%
74.7%	55.6%	58.3%	57.3%	70.9%	70.3%	61.5%		79.3%	83.7%	69.6%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
80.0%	77.5%	59.7%	80.5%	69.6%	63.5%	64.8%	88.2%	93.1%	95.0%	
71.2%	62.5%	52.2%	64.4%	63.4%	57.1%	59.7%	71.3%	77.8%	82.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
85.0%	74.1%	82.1%	72.2%	68.1%	67.8%	66.6%	88.7%	89.8%	95.0%	95.0%
74.1%	65.8%	72.3%	65.2%	57.9%	58.8%	59.0%	75.3%	78.2%	81.5%	85.9%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	76.2%	91.5%	74.8%	68.7%	63.7%	88.9%	69.8%	95.0%	86.2%	
	63.7%	73.5%	64.0%	56.0%	55.7%	64.8%	58.9%	81.7%	71.7%	
			OK	LA	MS	AL	GA			
			73.3%	62.3%	61.1%	64.2%	67.3%			
			59.3%	54.6%	53.2%	52.4%	56.4%			
HI			TX					FL		PR
90.1%			74.9%					81.3%		95.0%
80.4%			62.4%					68.6%		85.7%

The demographics of US vaccination

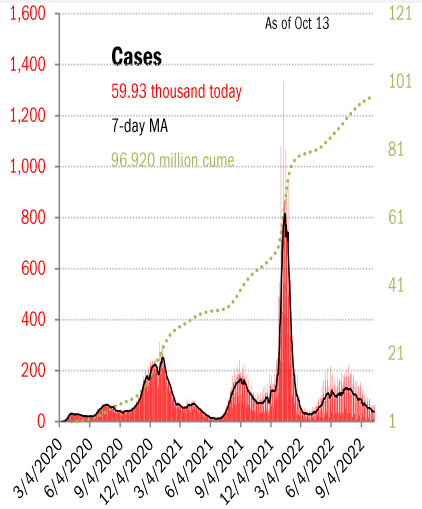


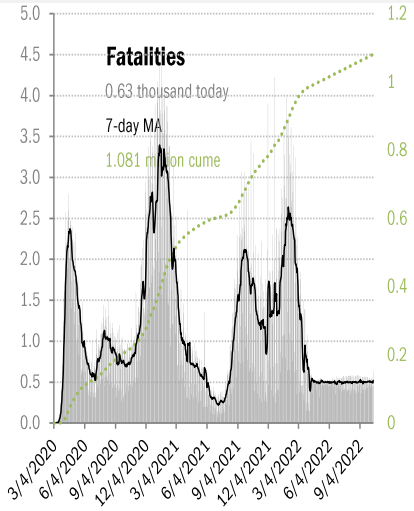


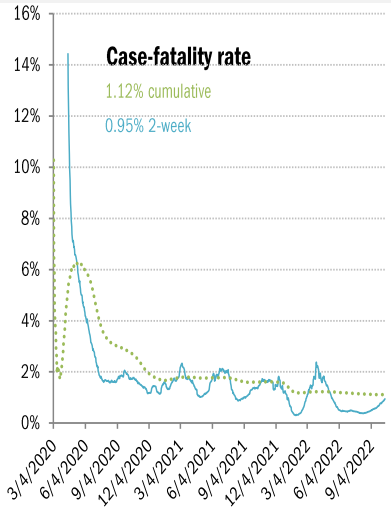


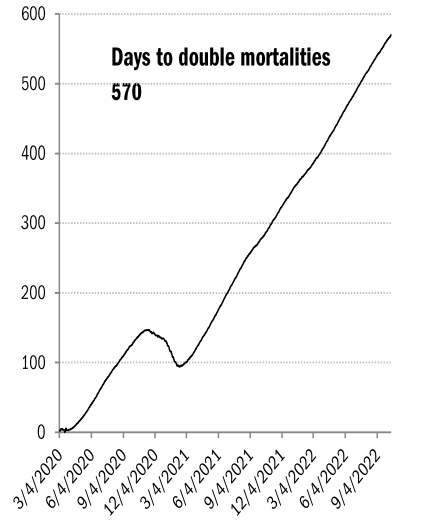
Source: CDC, CDC, Our World in Data, TrendMacro calculations

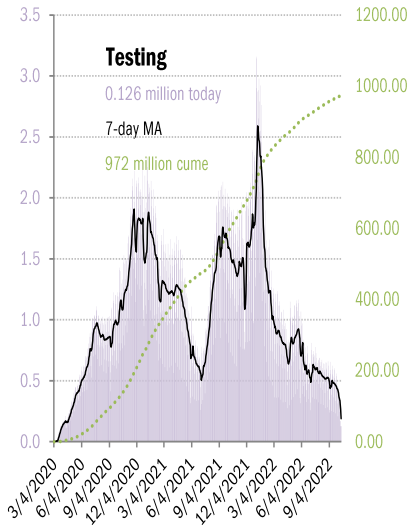
US deep-dive

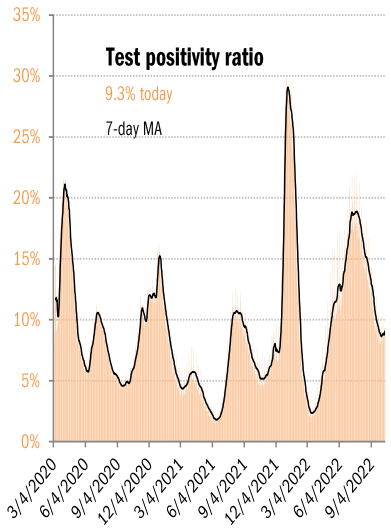


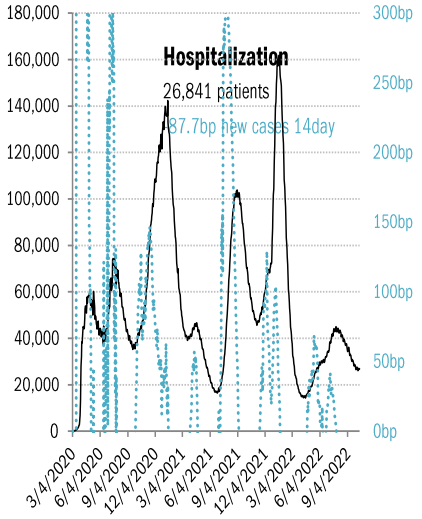


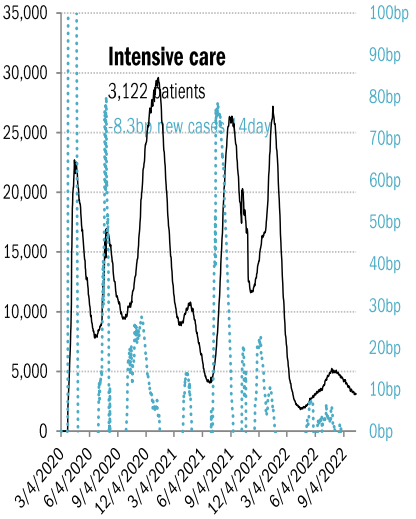


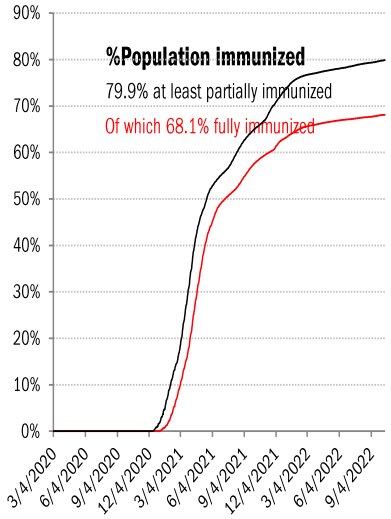












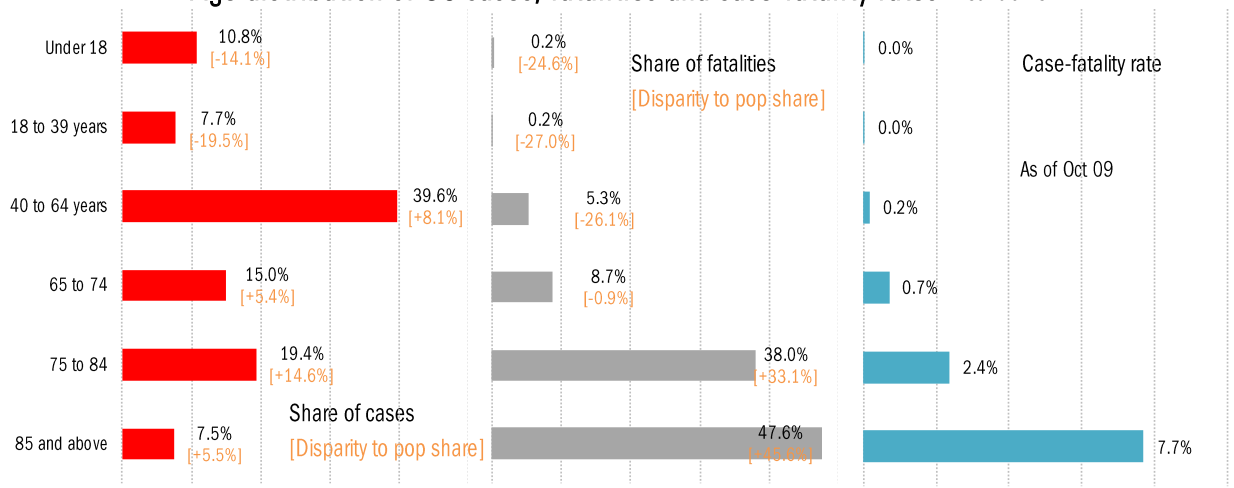
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

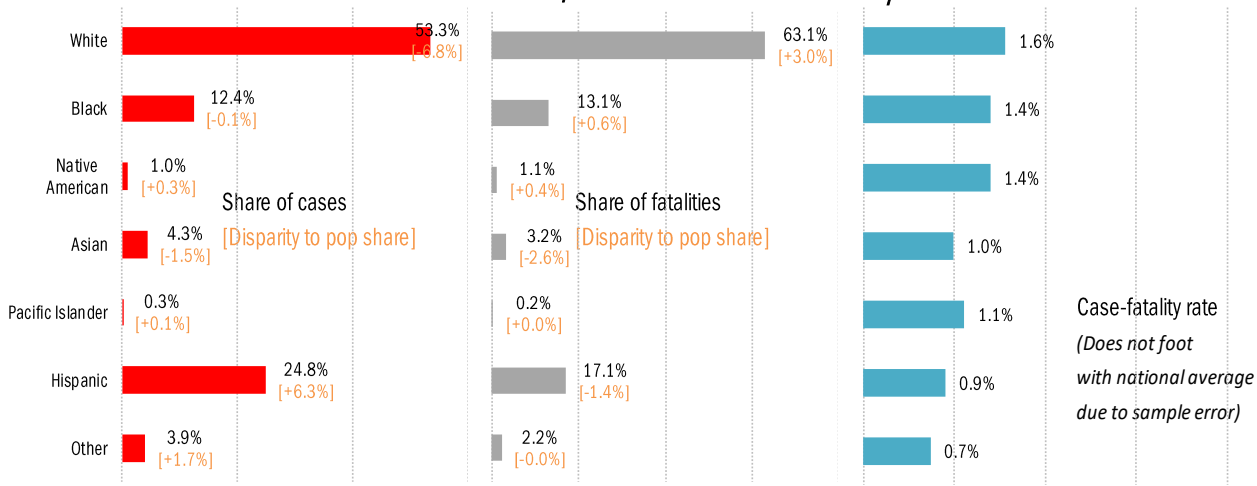
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



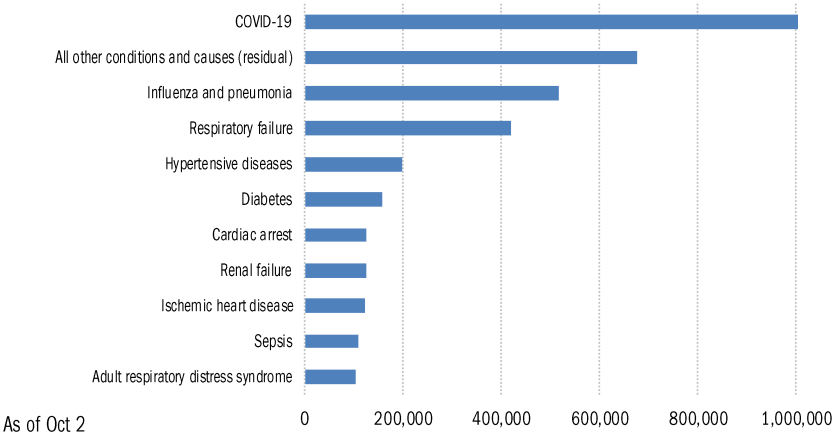
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



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

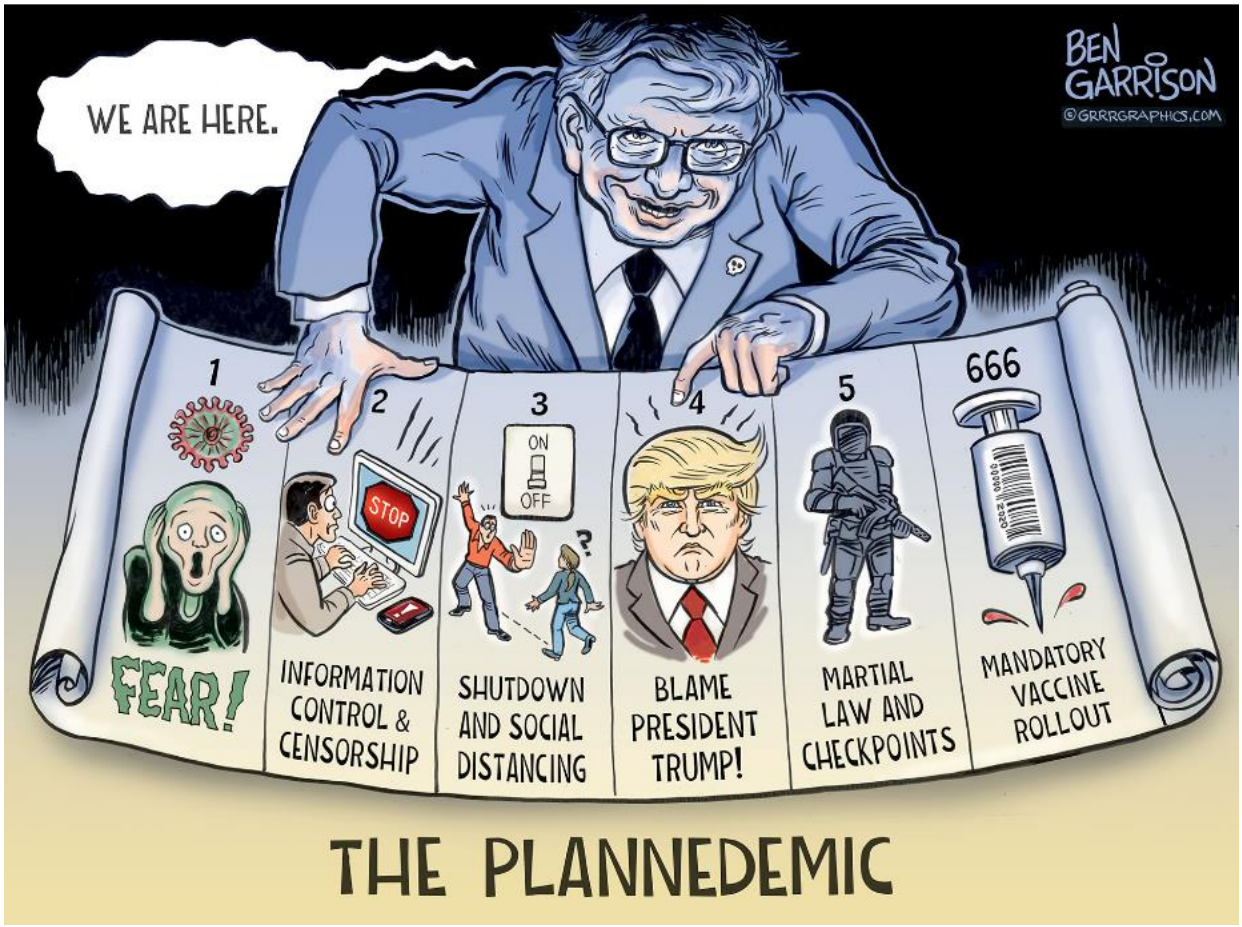
Recommended reading

[Pfizer board member Scott Gottlieb secretly pressed Twitter to censor me days before Twitter suspended my account last year]
Alex Berenson
Unreported Truths
October 13, 2022

[The best thing you can do to quash a deadly Covid-19 surge this winter]
Umair Irfan
Vox
October 13, 2022

[Potential for broad-spectrum antivirals could lie within host cells]
Helen Floersh
Fierce Biotech
October 12, 2022

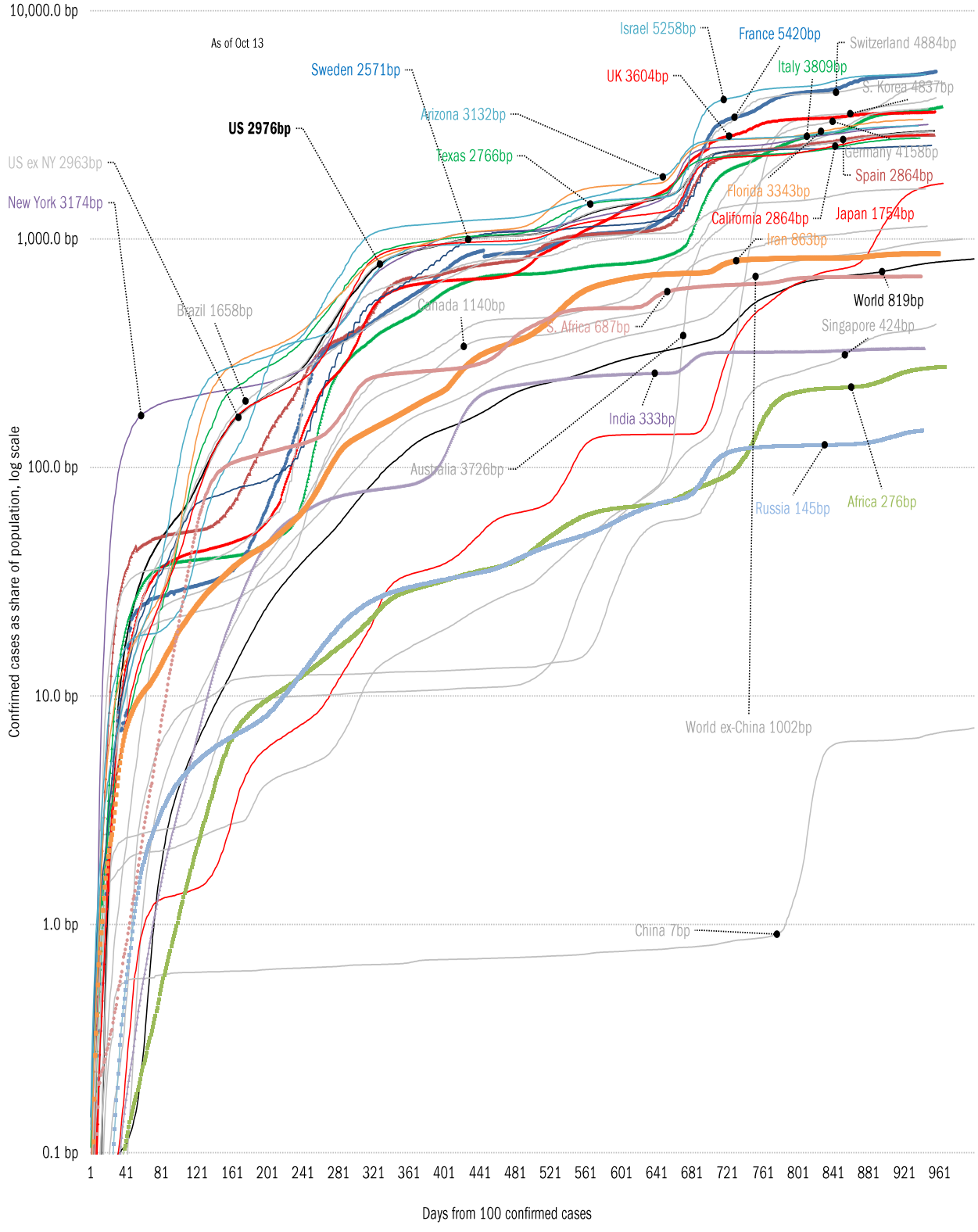
Meme of the day



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

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

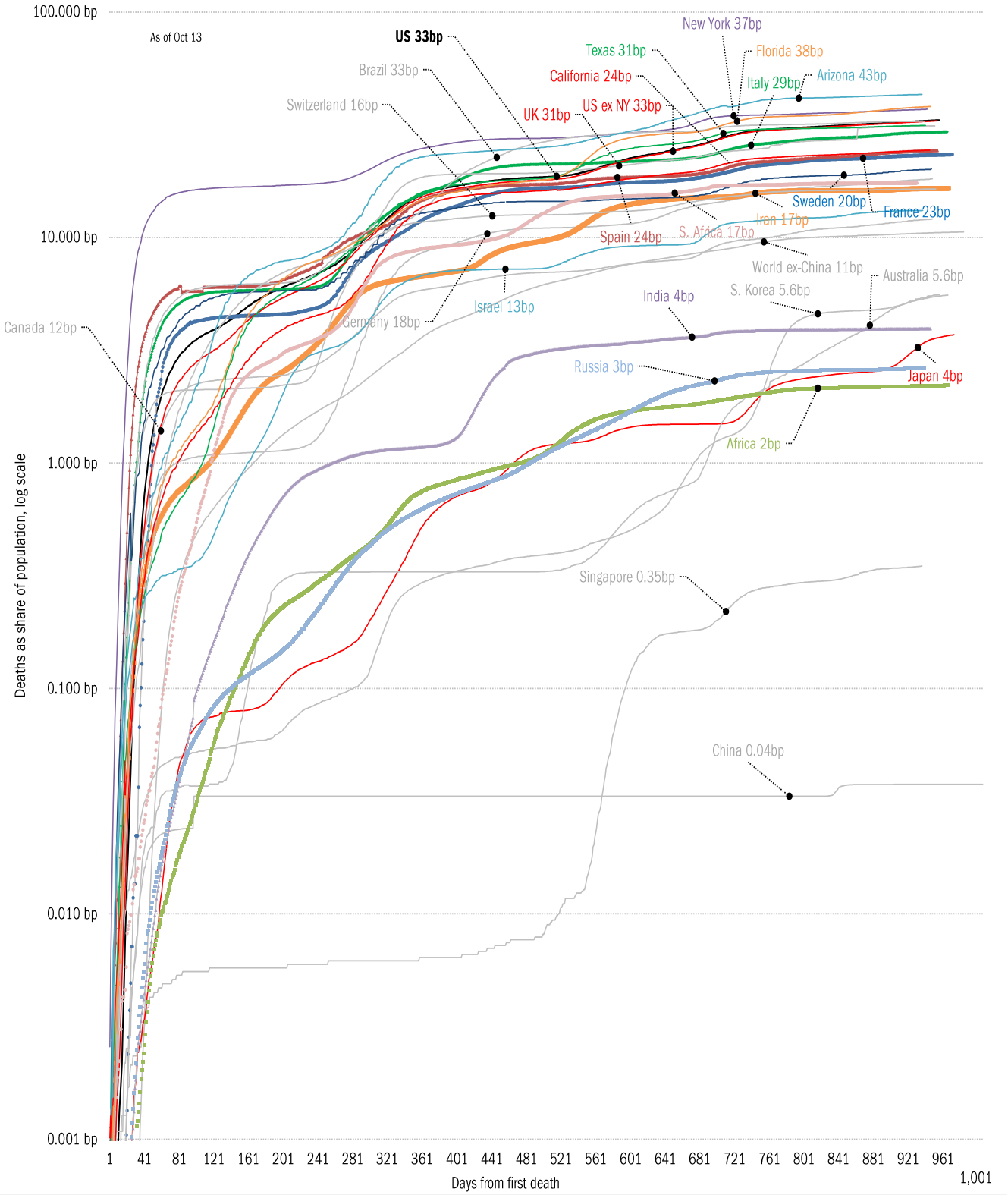
Share of infected population from first day with 100 confirmed cases, log scale



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

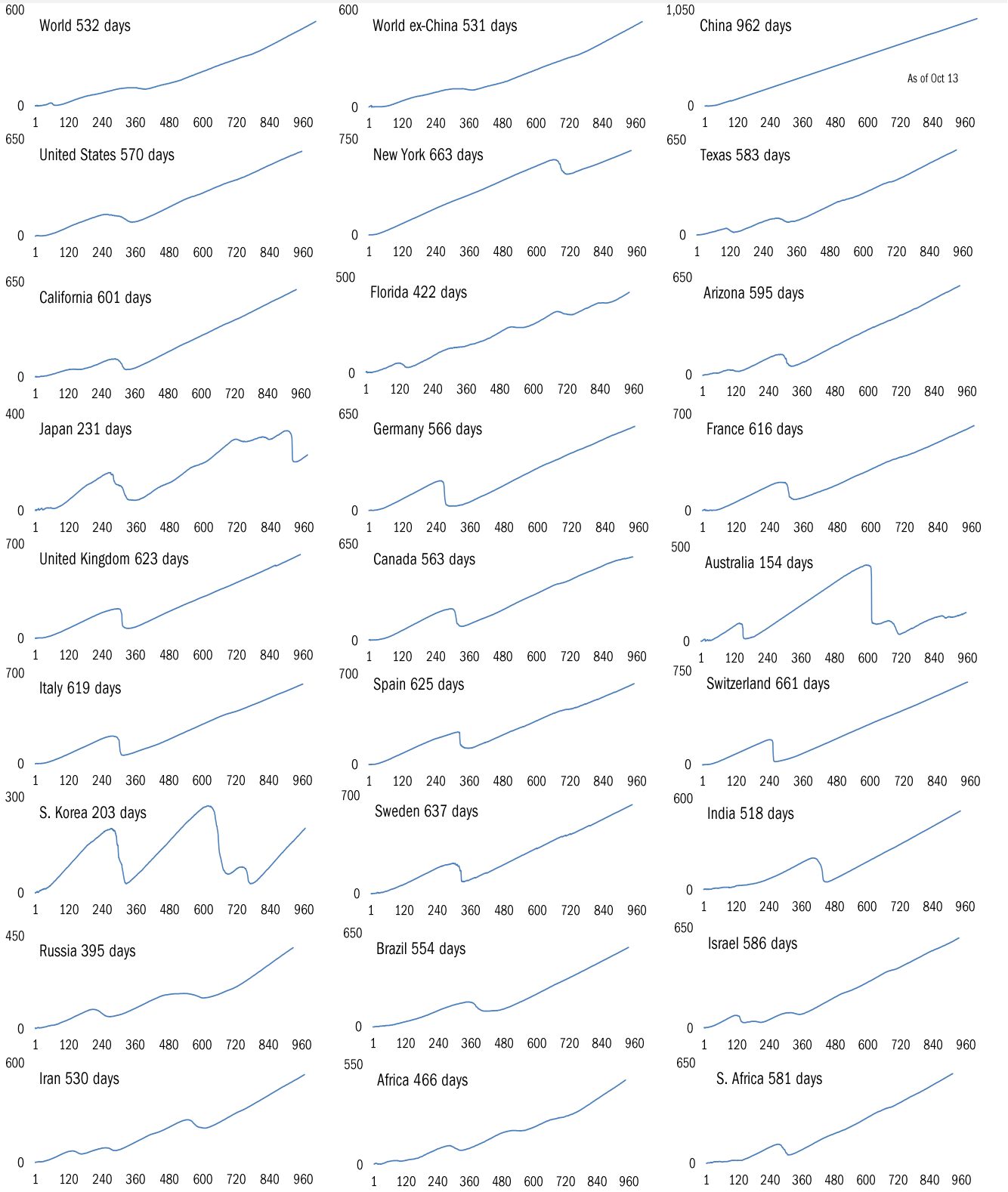


Source: Johns Hopkins, TrendMacro calculations

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

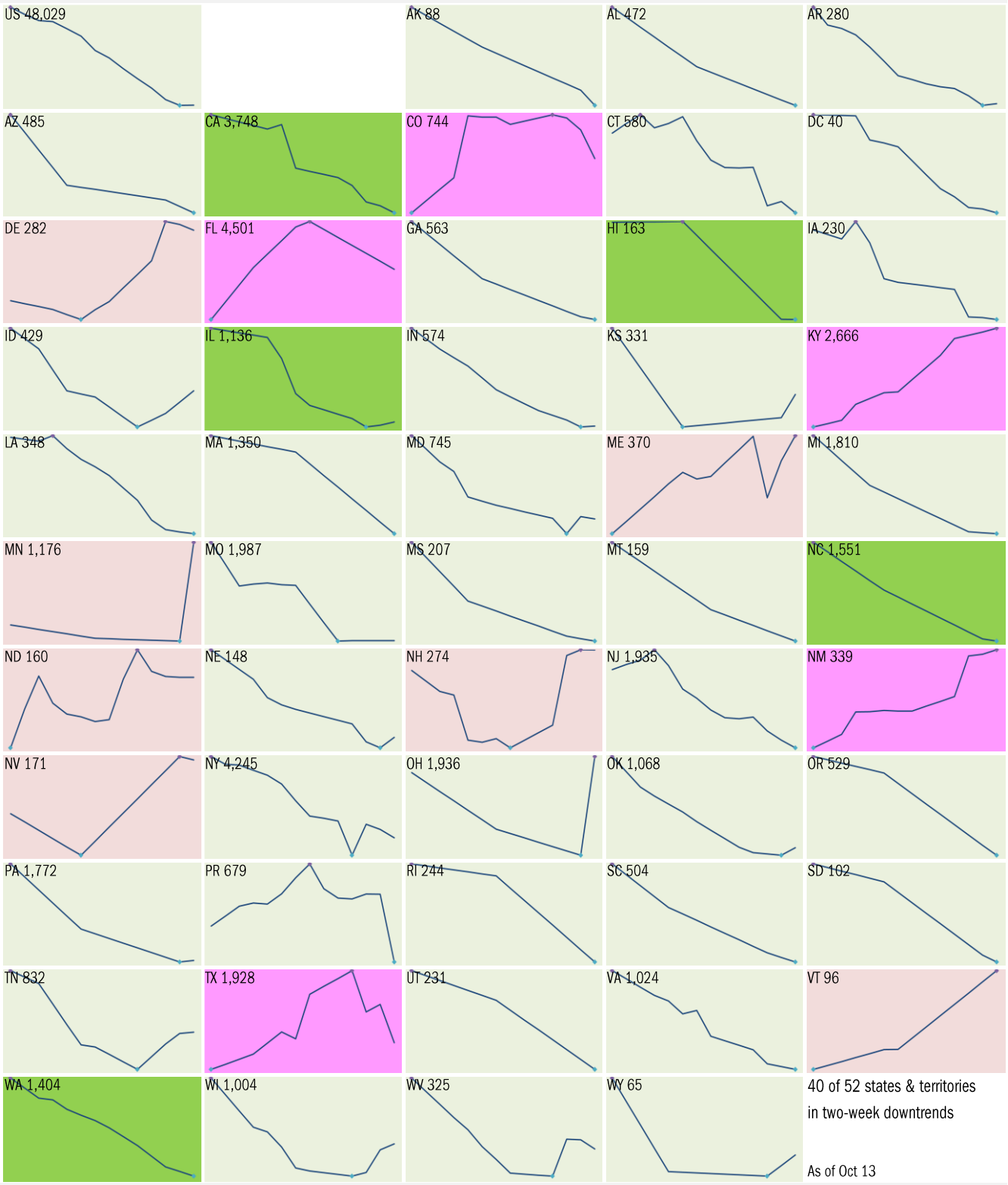


Source: Johns Hopkins, TrendMacro calculations

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

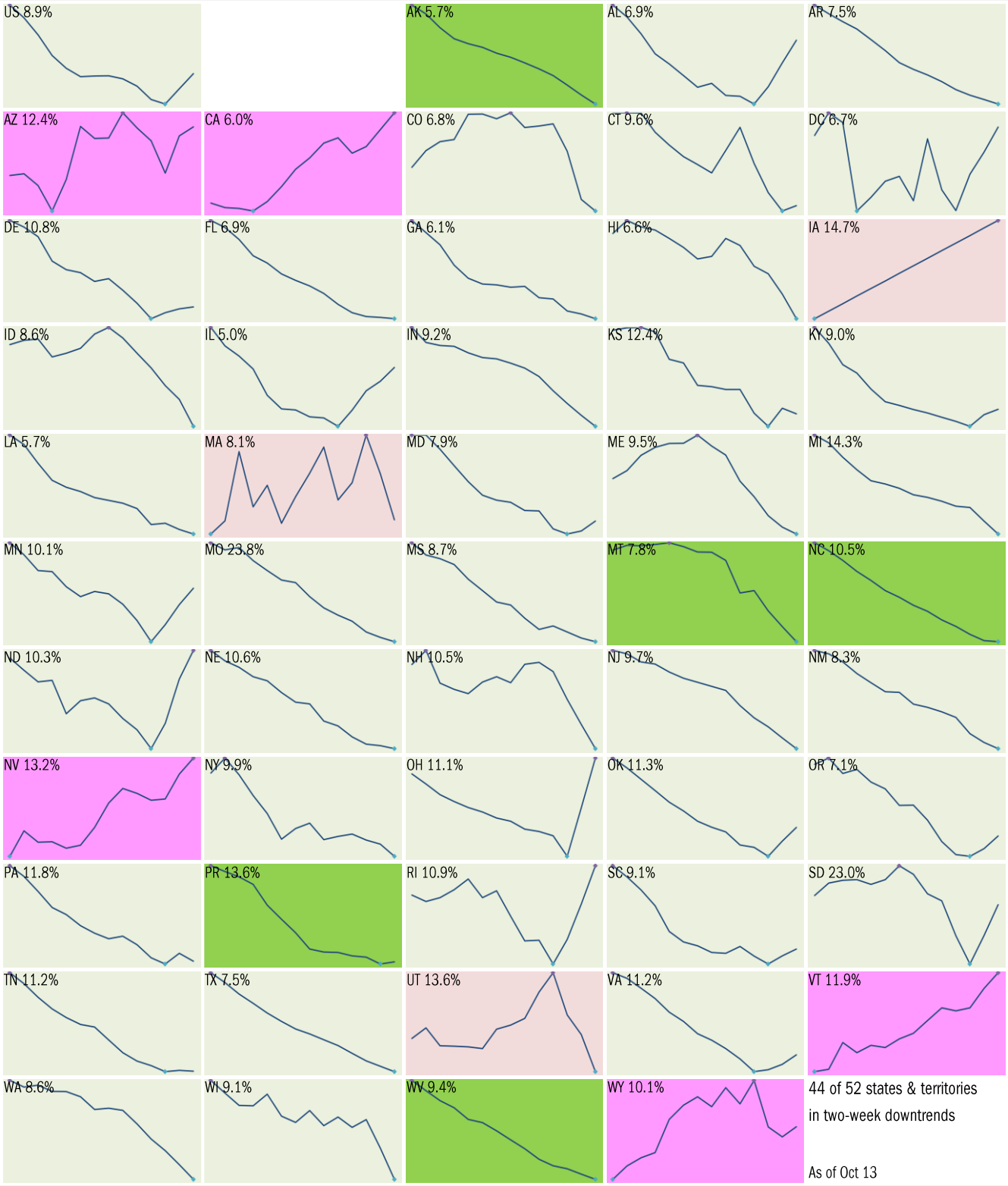


Source: Johns Hopkins, TrendMacro calculations

14-day trajectory in **test-positivity ratio**

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

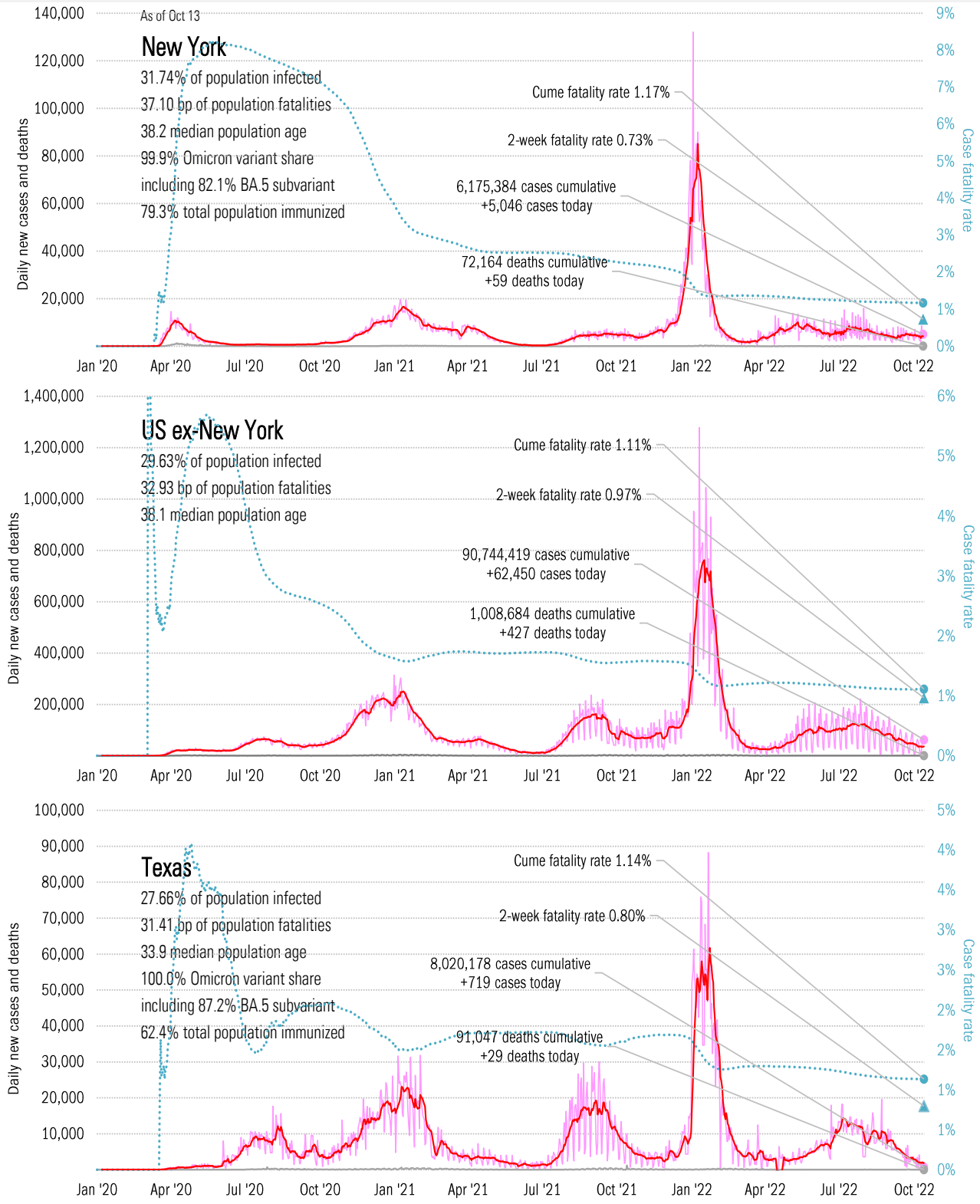
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

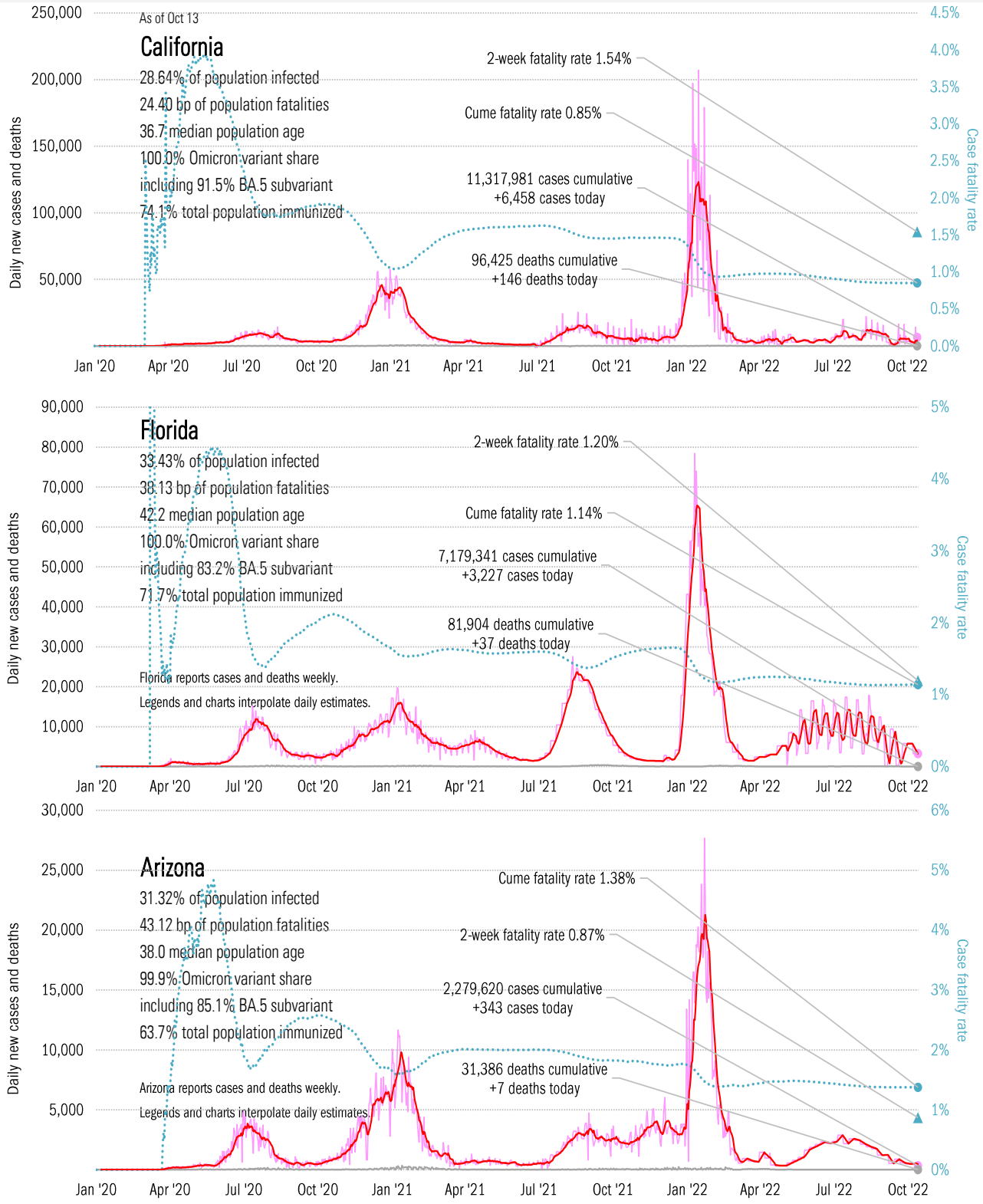
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

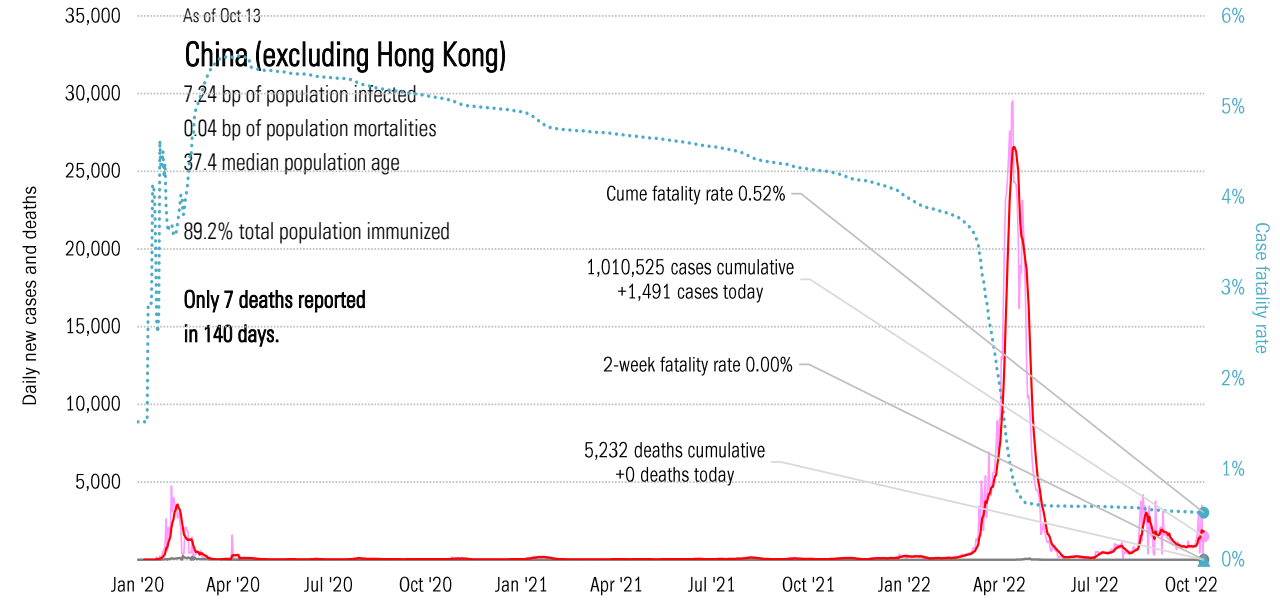
Cases: 7-day average and daily Deaths: Daily

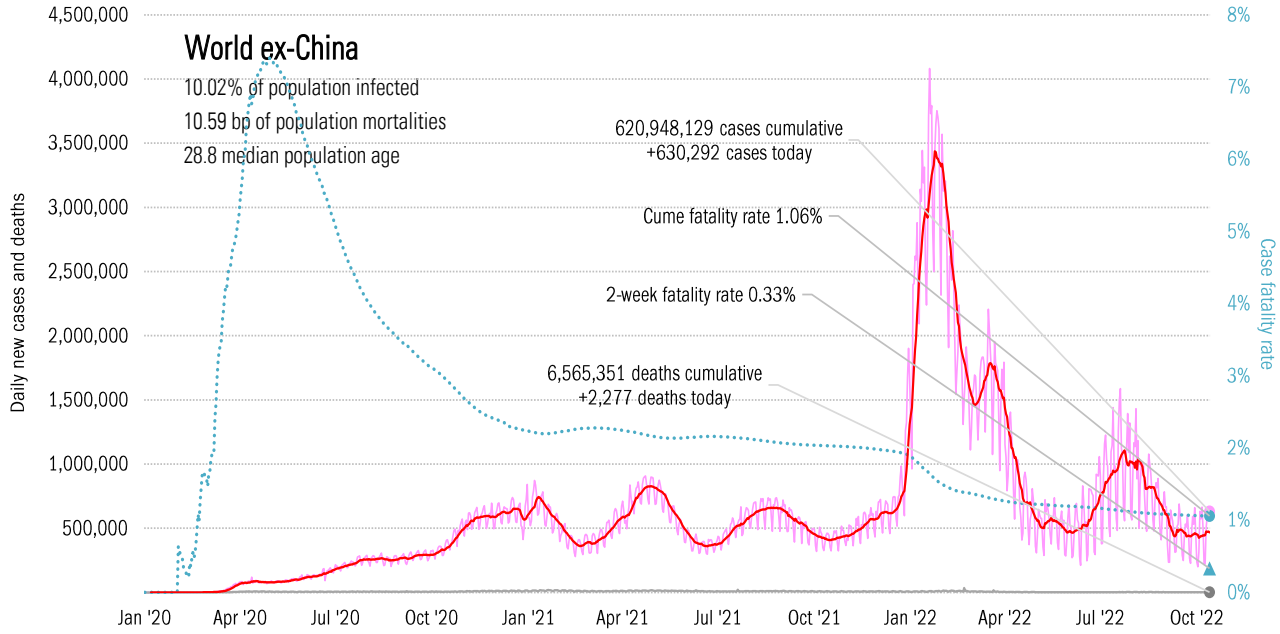


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

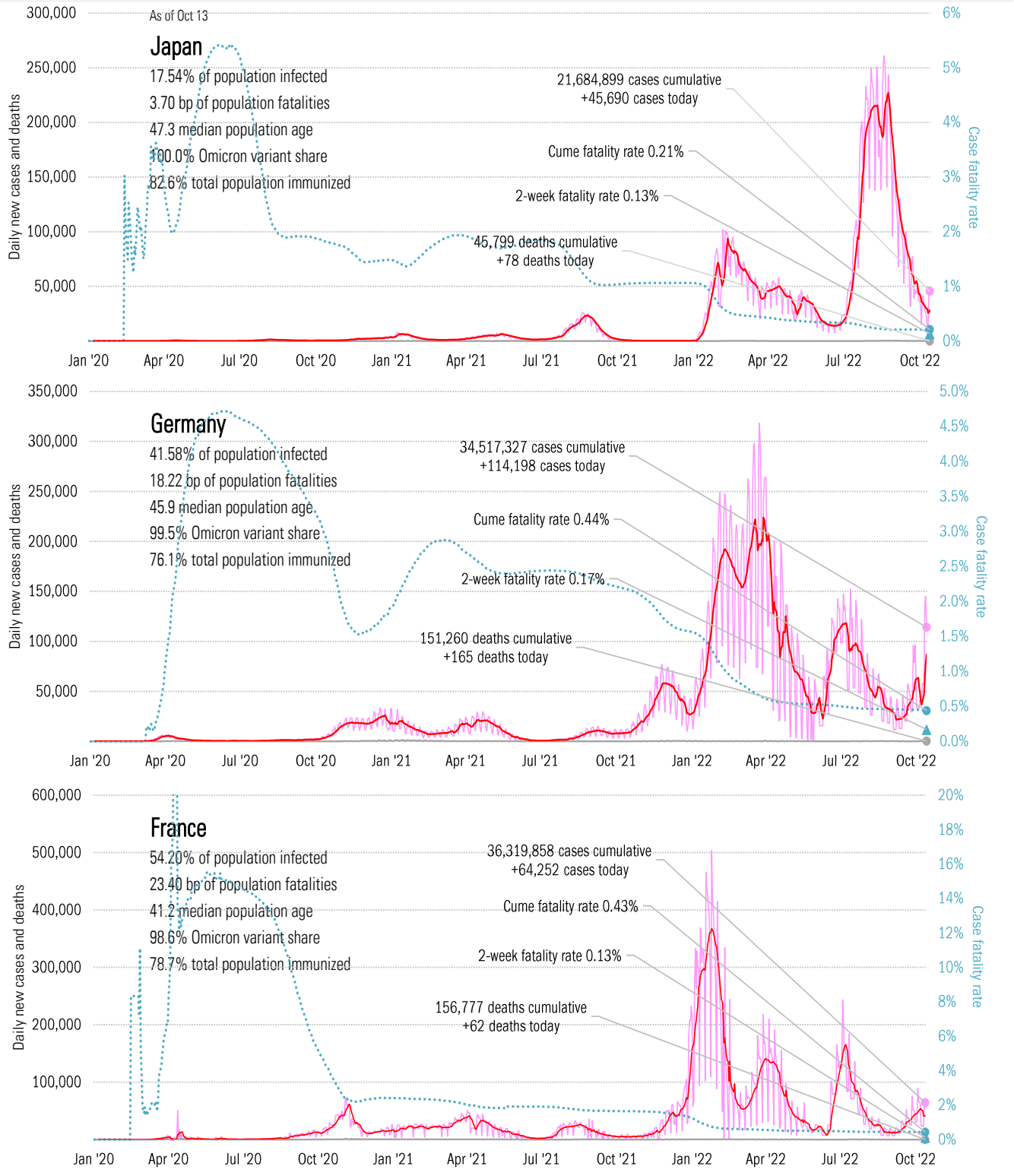




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

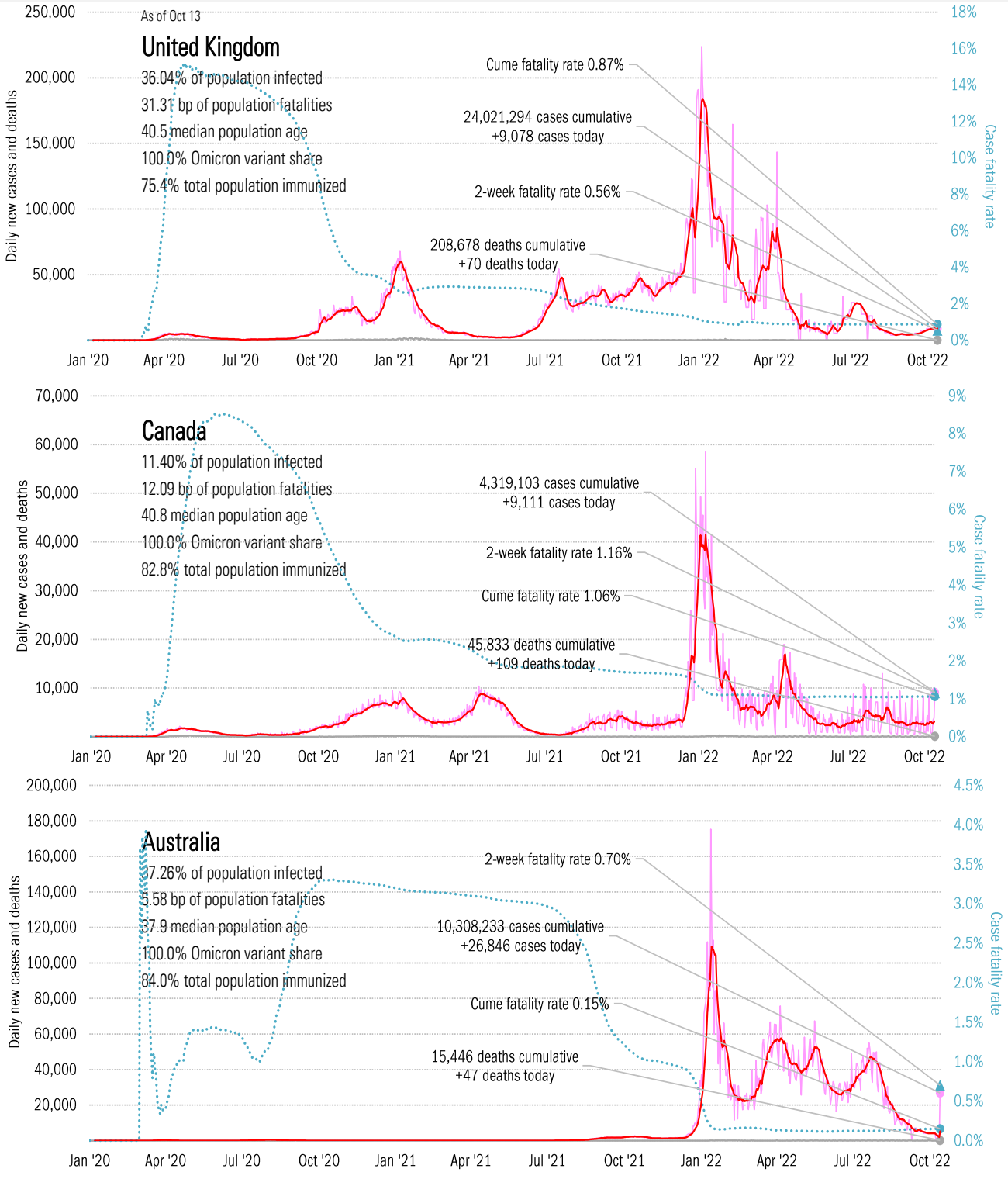
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

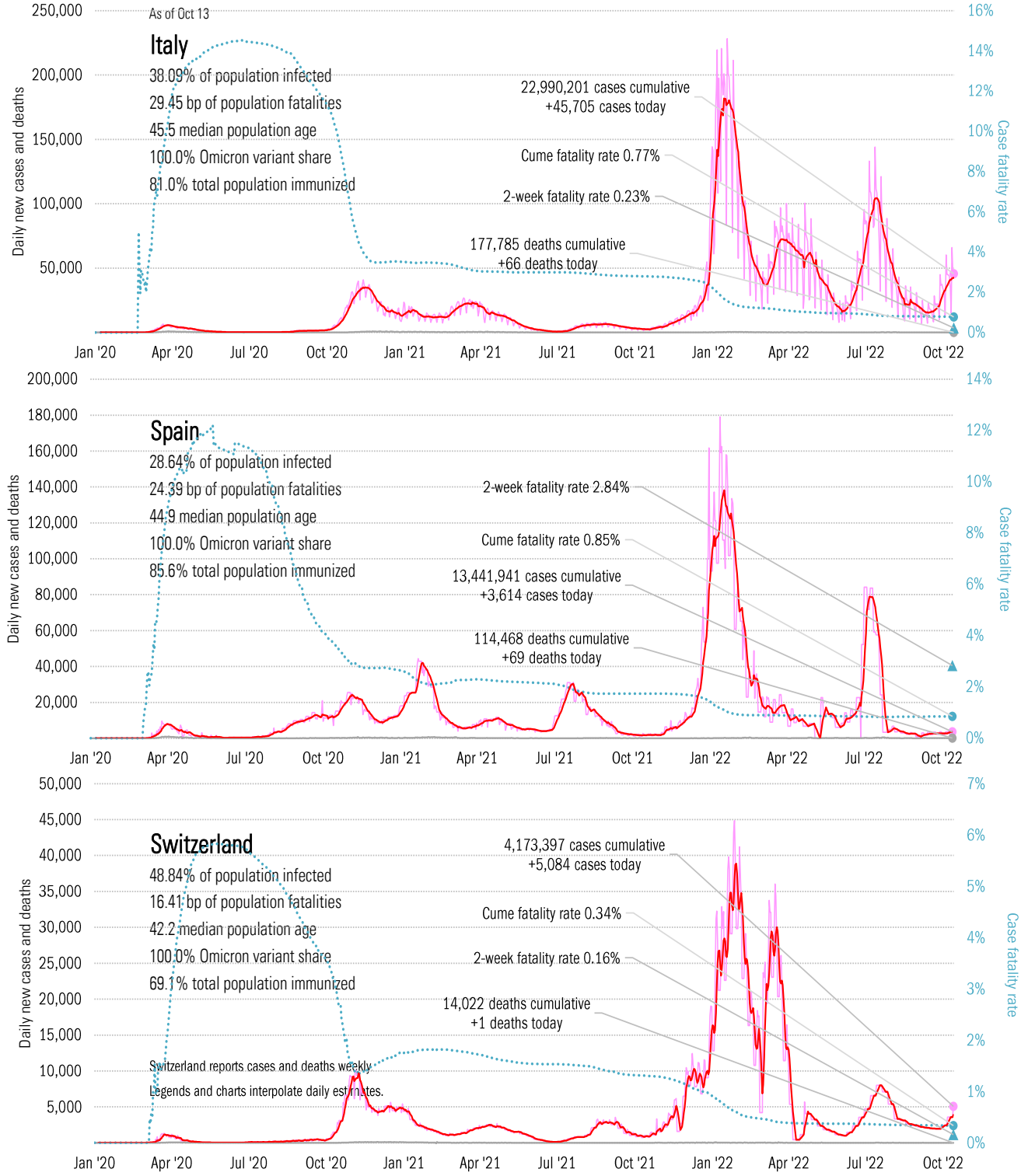
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

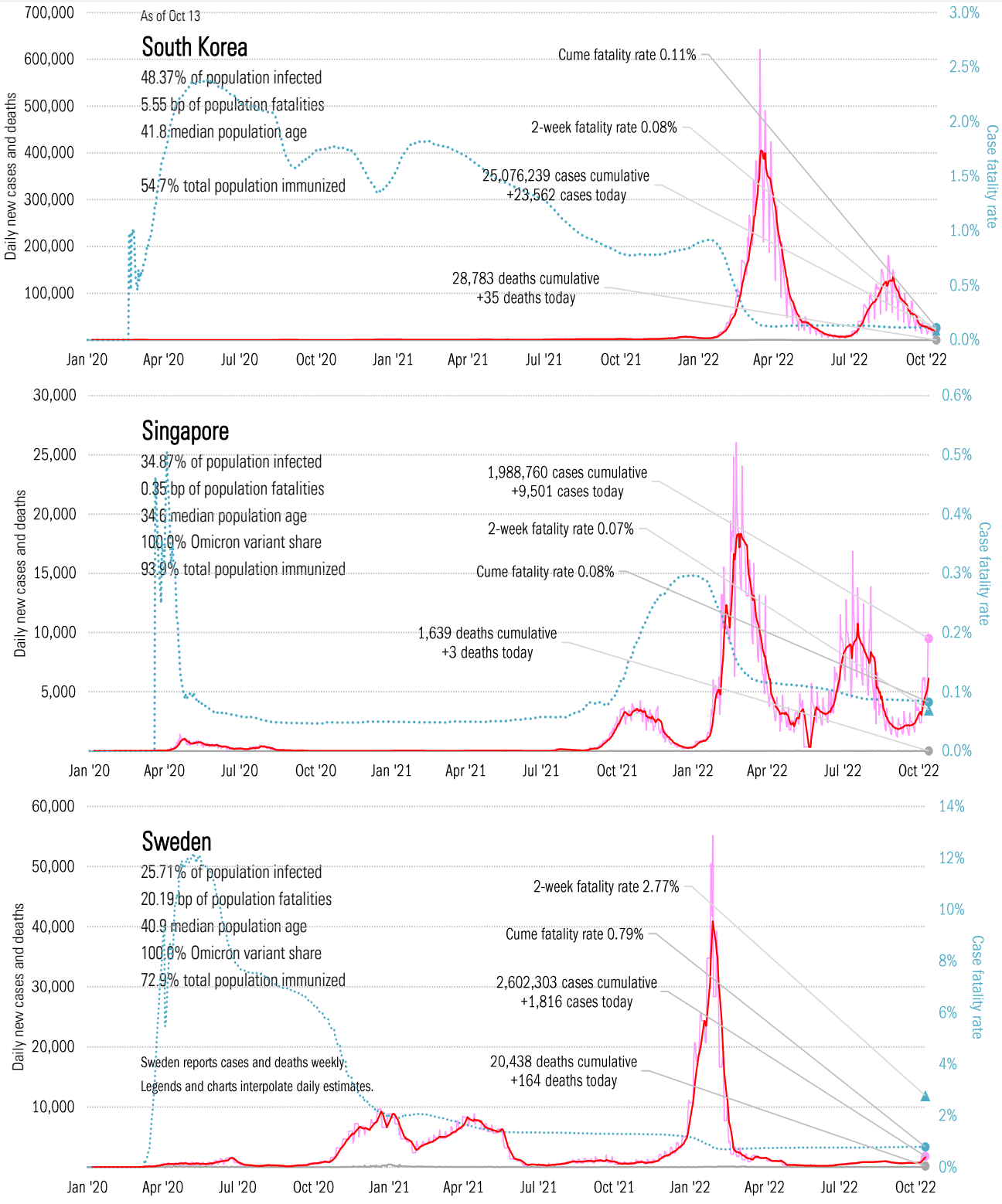
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

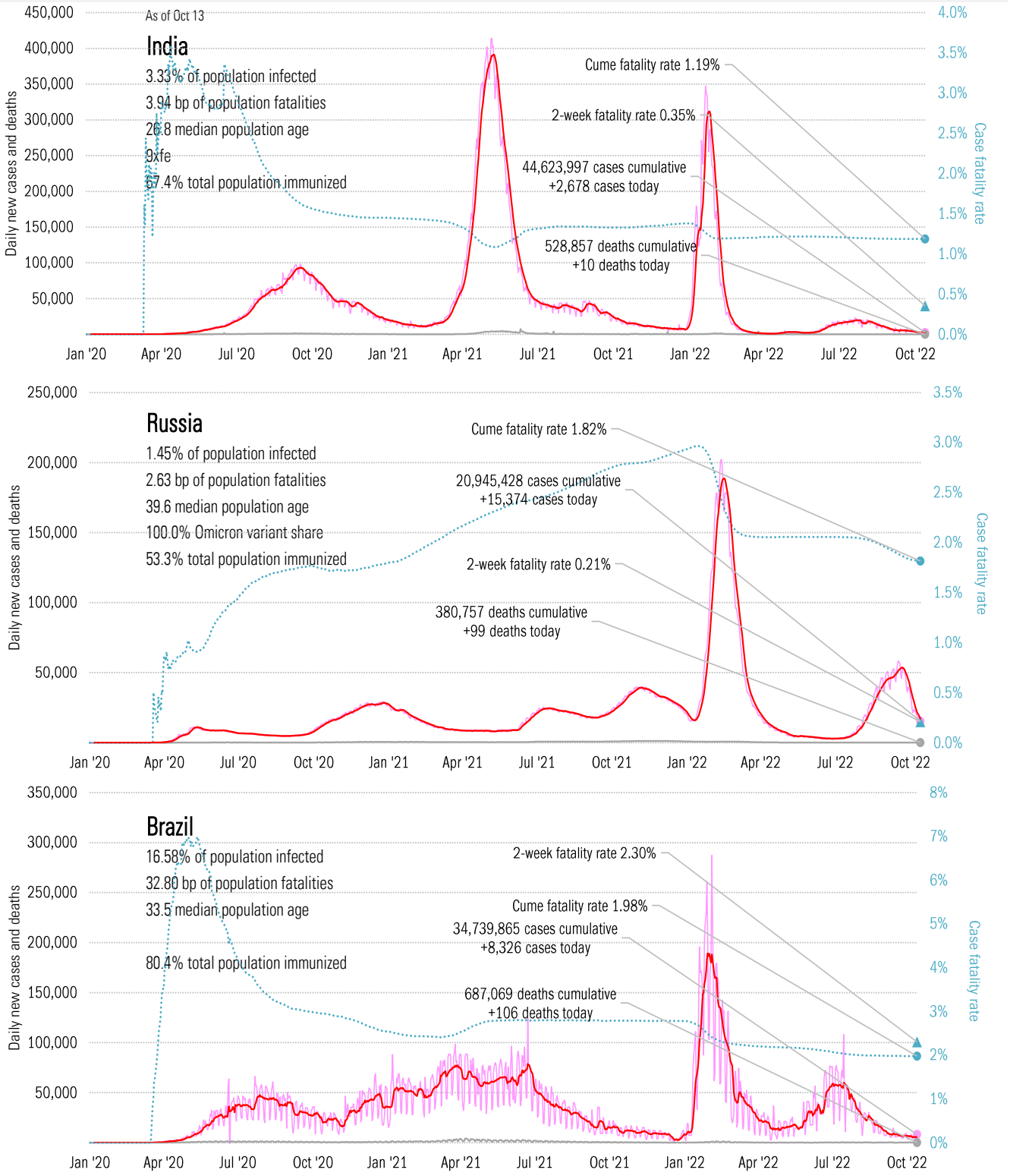
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

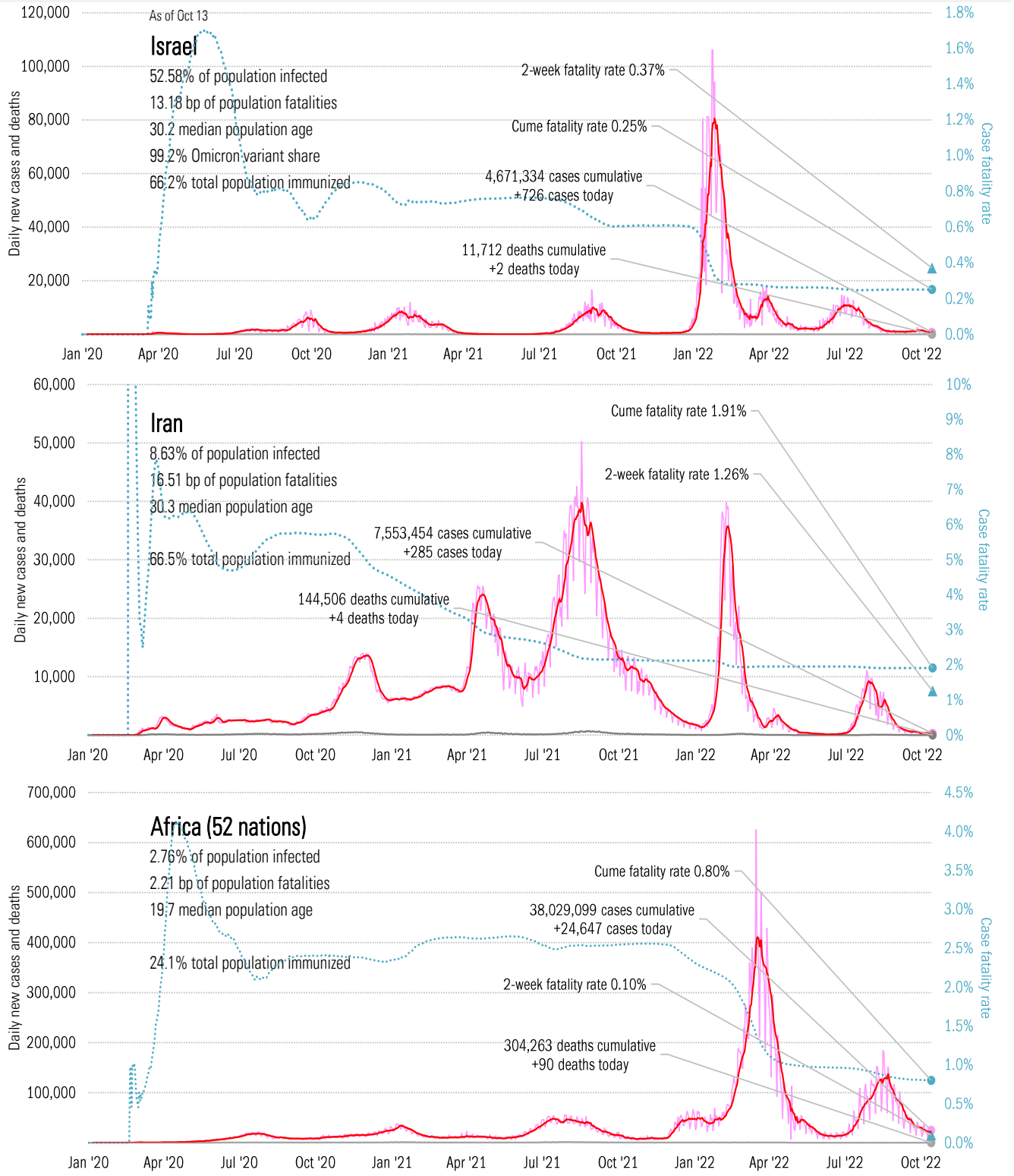
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

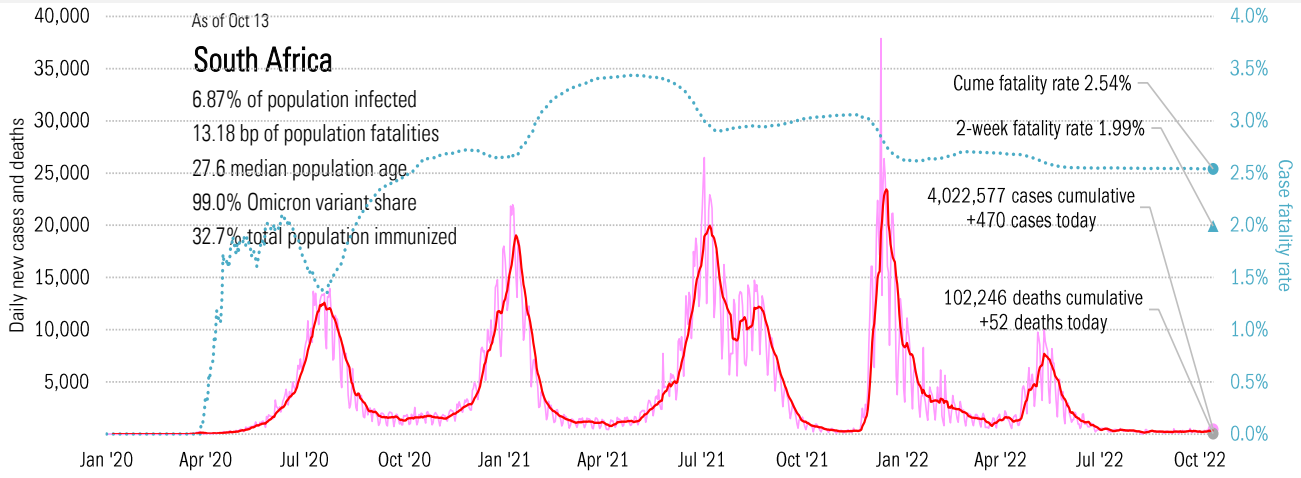
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations