Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

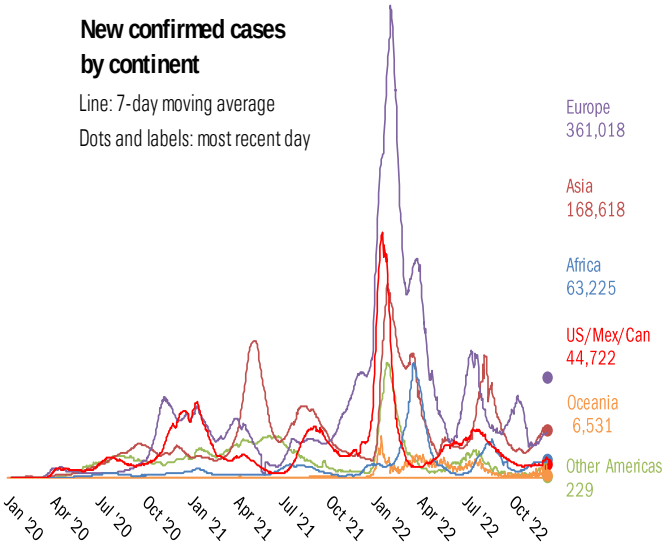
Saturday, December 10, 2022

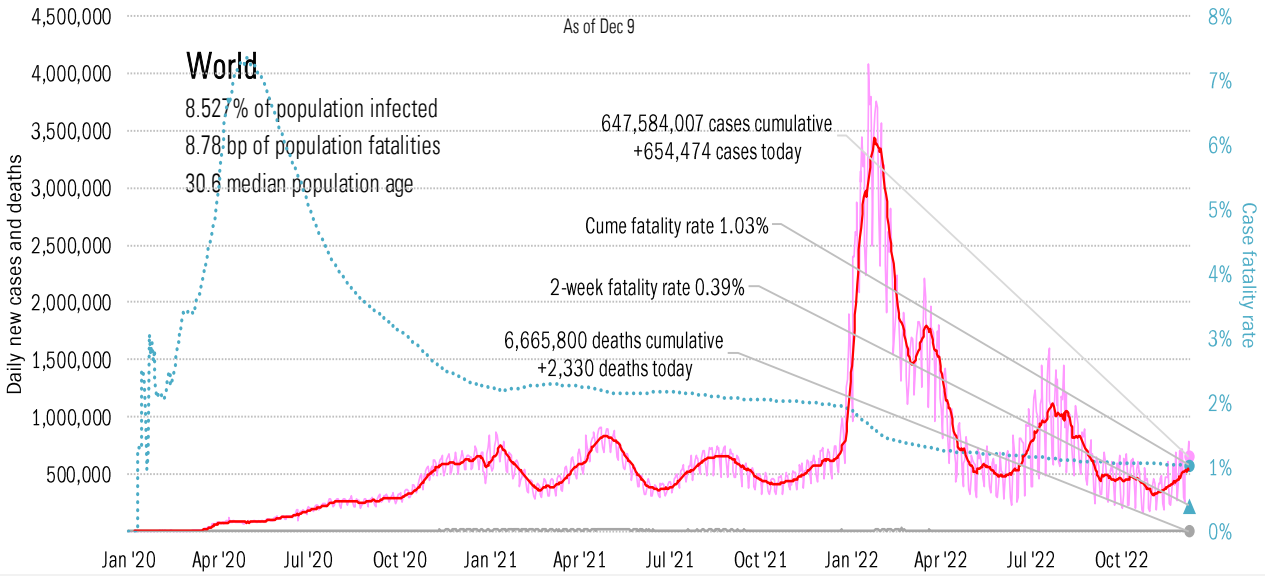
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	127,090	United States	330
France	65,650	Japan	228
Korea, South	62,608	Brazil	149
United States	61,348	Germany	120
Italy	31,618	Italy	98
Germany	29,605	France	94
Brazil	22,588	Canada	56
China	16,862	Korea, South	54
Taiwan*	14,355	Russia	51
Russia	7,394	Spain	45
	439,117		1,225
World	654,474	World	2,330
Top ten	67%	Top ten	53%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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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

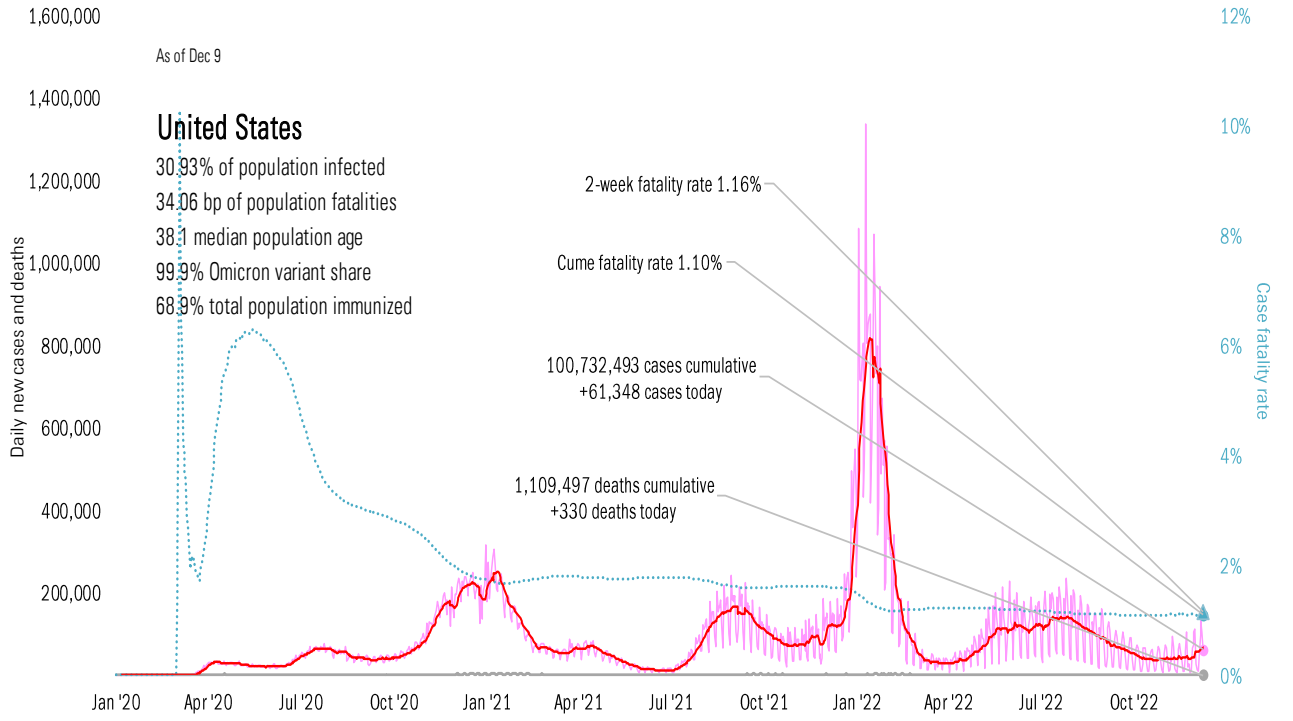
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	7,310	MI	35	TX	406	CA	11,623,042	CA	97,834	TX	559,426	RI	92%	NH	91%
CA	6,472	NY	31	NY	485	TX	8,135,739	TX	91,514	CA	526,606	MA	88%	TX	90%
FL	4,419	NC	23	GA	146	FL	7,270,410	FL	83,201	FL	506,640	WA	88%	MA	88%
IL	3,467	NJ	22	MA	147	NY	6,440,834	NY	74,283	NY	324,935	MO	87%	NM	88%
NJ	2,941	PA	20	CT	88	IL	3,906,801	PA	48,527	GA	231,137	NH	87%	AL	87%
TX	2,309	WA	18	MI	147	PA	3,374,733	GA	41,172	OH	230,199	MN	87%	OK	86%
OH	2,294	CA	17	IN	132	NC	3,286,948	OH	40,644	PA	215,908	WV	86%	RI	85%
AZ	2,283	VA	17	AL	78	OH	3,259,911	IL	40,406	IL	198,515	OR	86%	NC	85%
VA	1,877	FL	15	KY	73	GA	2,953,341	MI	40,327	MI	171,635	GA	85%	OR	85%
PA	1,870	IL	12	VA	95	MI	2,950,361	NJ	35,235	NJ	148,663	OH	84%	WV	85%
	35,243		210		1,797		53,202,120		593,143		3,113,664				
All states	61,348		330		5,192	All states	100,732,493		1,109,497		5,657,083	All states	70%		67%
Top ten	57%		64%		35%	Top ten	53%		55%		55%	Median	81%		80%

Some states not reporting

Five most improved US states

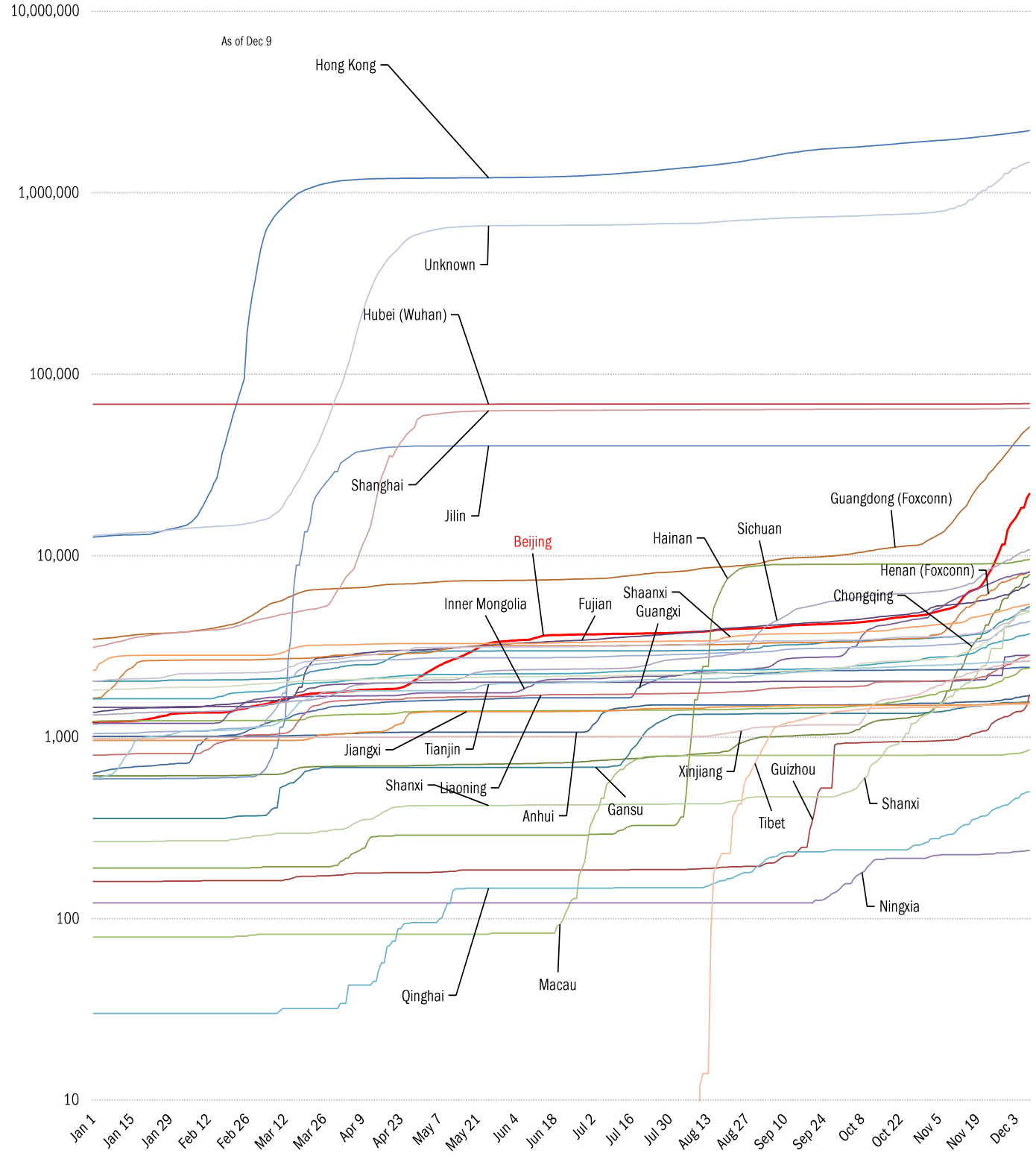
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-10,013	CA	-118	CA	-232
NY	-970	ND	-25	FL	-108
WI	-248	GA	-15	OH	-77
CO	-199	WI	-13	NJ	-75
MO	-69	MA	-12	PA	-62



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

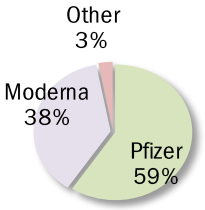
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	674,343,860				+0.193 million
				Of which boosters:	+0.168 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	276,021,875	83%	235,392,888	70%	+0.017 million
Age 12 to 17	18,376,705	73%	15,735,507	62%	+0.001 million
Age 18 to 64	183,614,597	90%	156,164,584	77%	+0.009 million
Age 65 and over	60,829,321	100%	53,278,288	97%	+0.004 million

Immunity	Full	Partial
US	68.9%	80.6%
UK	75.2%	79.7%
France	78.3%	80.5%
Spain	85.5%	86.9%
Germany	76.2%	77.8%
Italy	81.3%	86.2%
Australia	82.7%	84.9%
Israel	65.2%	71.1%
Canada	82.5%	89.6%
Japan	83.1%	84.3%
Africa	26.0%	32.0%
India	67.1%	72.5%
Brazil	80.9%	87.4%
China	89.3%	91.5%

Global data differs due to sources, timing



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

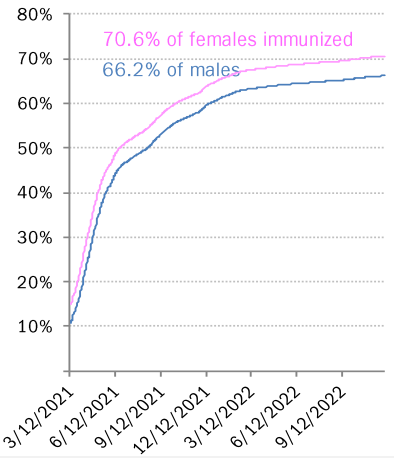
"Immunity" = two doses

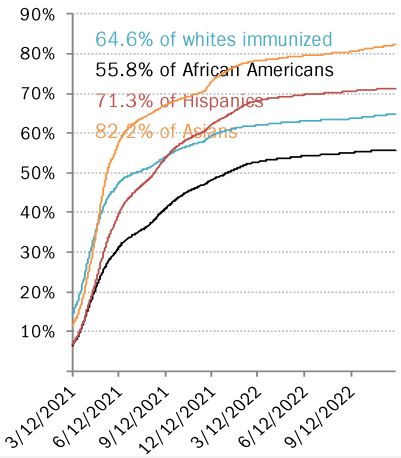
Best
Middle
Worst

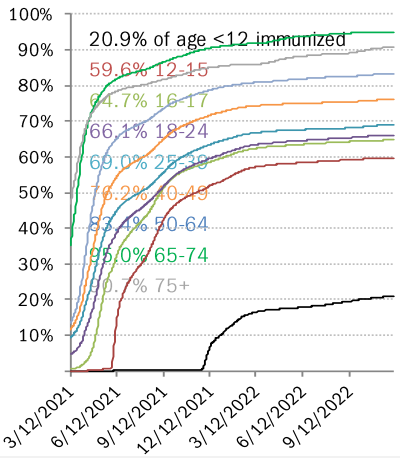
As of Dec 9

					WI					ME
					74.7%					95.0%
					67.8%					82.8%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
84.6%	63.6%	67.9%	68.9%	78.3%	78.8%	69.1%		93.8%	95.0%	87.2%
75.6%	56.2%	58.9%	58.3%	71.7%	70.9%	62.1%		80.2%	85.0%	71.3%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.0%	78.3%	60.5%	83.1%	70.3%	64.0%	65.4%	89.8%	94.0%	95.0%	
71.9%	63.1%	52.8%	65.8%	64.0%	57.5%	60.2%	72.7%	78.6%	83.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.1%	74.8%	83.2%	73.0%	68.9%	68.5%	67.2%	90.3%	91.0%	95.0%	95.0%
74.2%	66.3%	73.1%	65.9%	58.7%	59.3%	59.5%	76.1%	79.2%	82.6%	87.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	76.8%	93.4%	75.7%	69.5%	64.2%	91.1%	70.6%	95.0%	86.7%	
	65.6%	74.7%	64.8%	56.6%	56.1%	66.4%	59.6%	84.8%	72.0%	
			OK	LA	MS	AL	GA			
			74.2%	62.6%	61.4%	64.7%	67.9%			
			60.1%	54.8%	53.5%	52.9%	56.9%			
HI			TX					FL		PR
90.9%			75.8%					82.0%		95.0%
81.1%			62.9%					69.1%		86.7%

The demographics of US vaccination

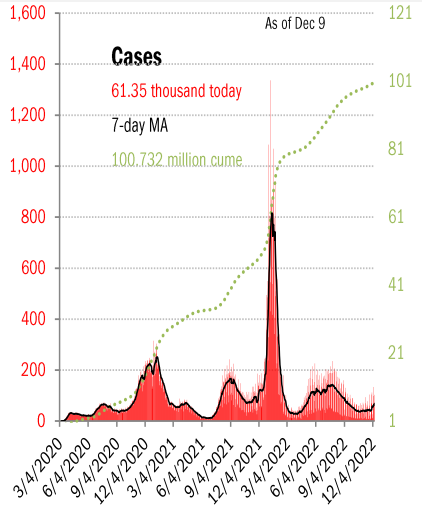


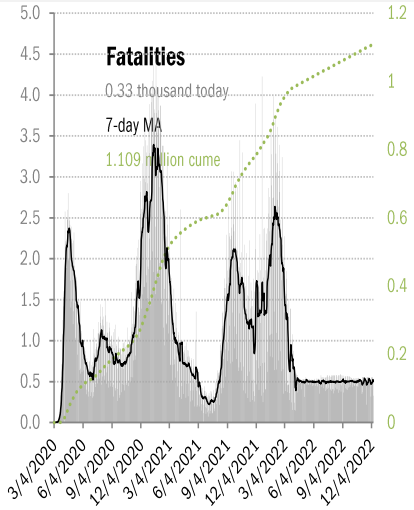


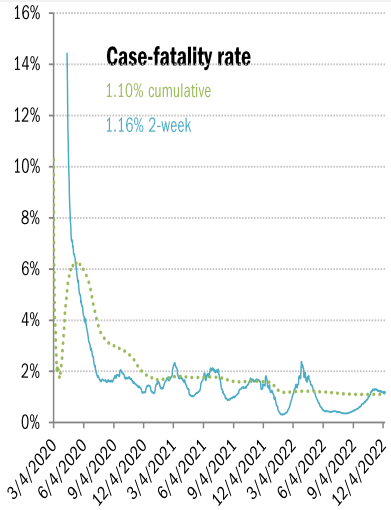


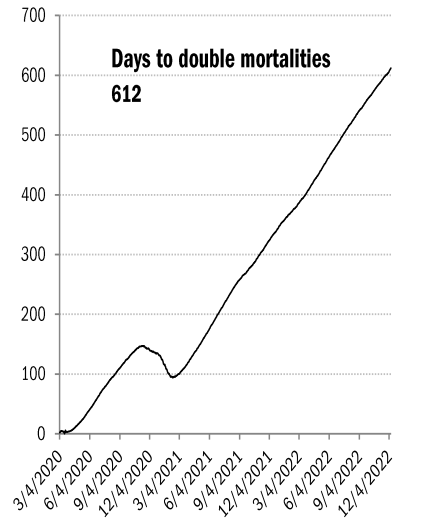
Source: CDC, CDC, Our World in Data, TrendMacro calculations

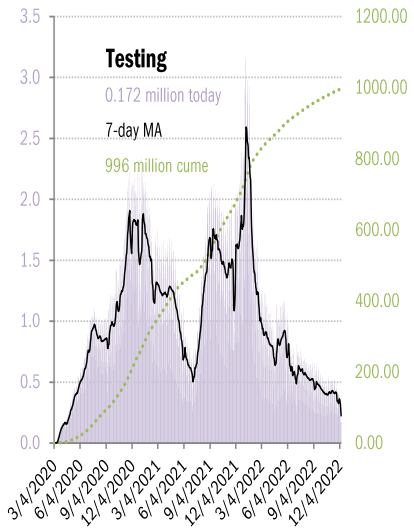
US deep-dive

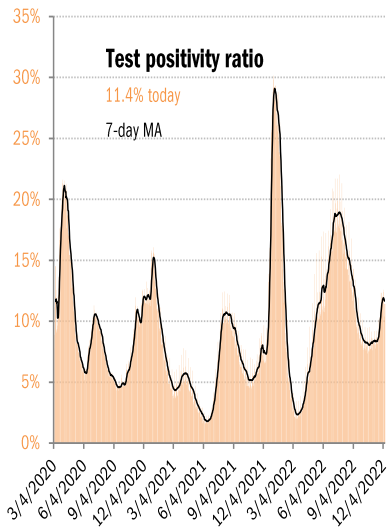


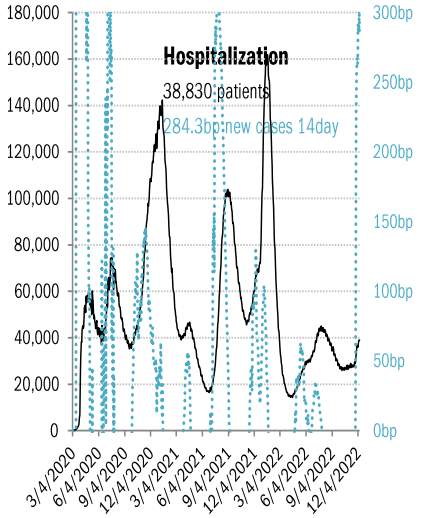


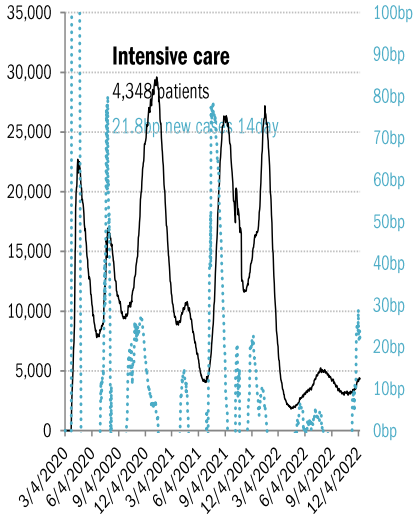


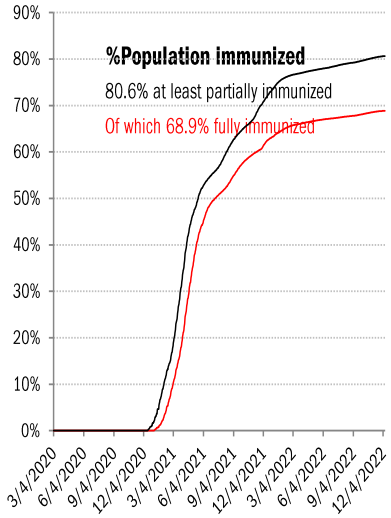










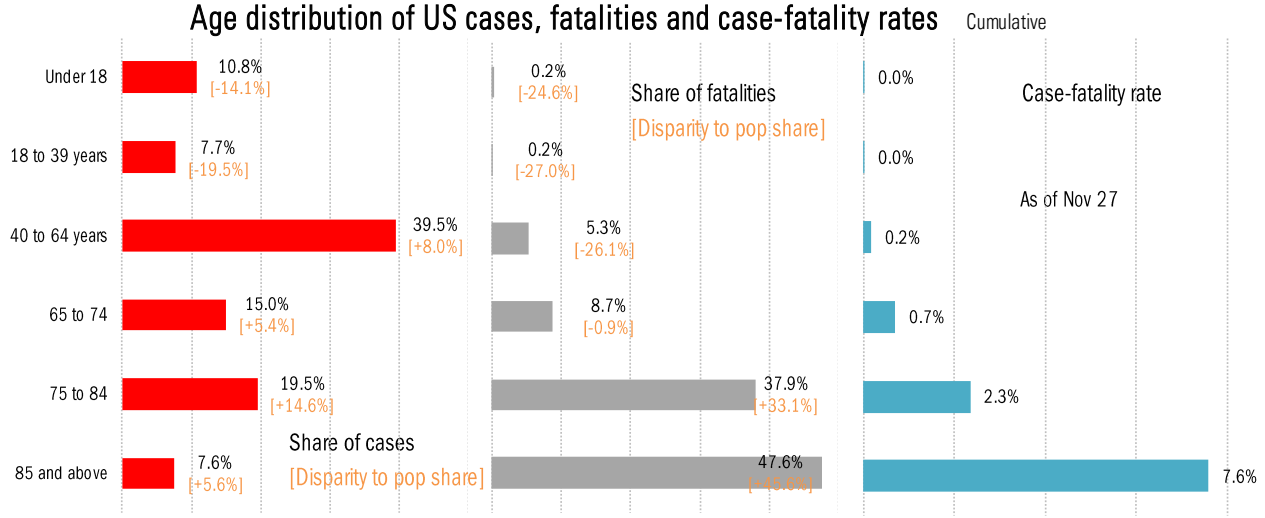


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

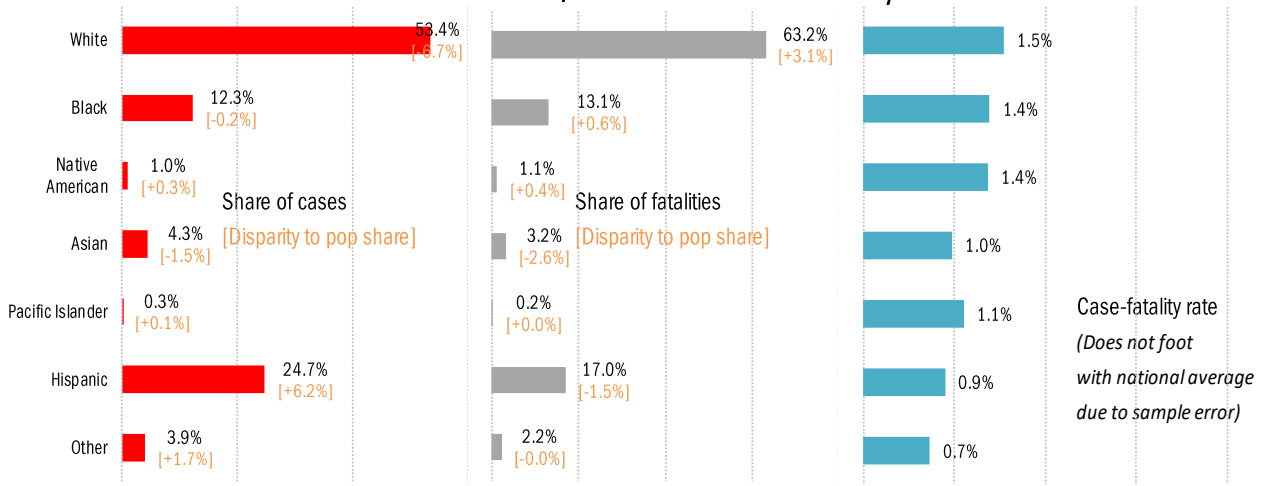
US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag

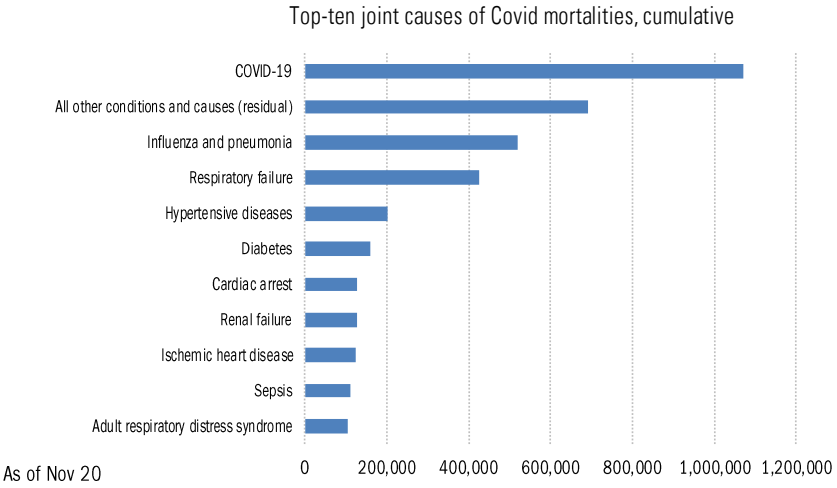
Age distribution of US cases, fatalities and case-fatality rates



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

It's Beginning to Look a Lot Like Another COVID Surge
Yasmin Tayag
The Atlantic
December 8, 2022

The Twitter Blacklisting of Jay Bhattacharya
Justin Hart
Wall Street Journal
December 9, 2022

Excess deaths in 2022
'incredibly high' at 13 per cent
Frank Chung
News.Com.Au
December 8, 2022

Chris Whitty warns Britain faces 'prolonged period' of excess deaths NOT caused by Covid due to collateral effects of lockdown
Johm Ely
Mail Online
December 2, 2022

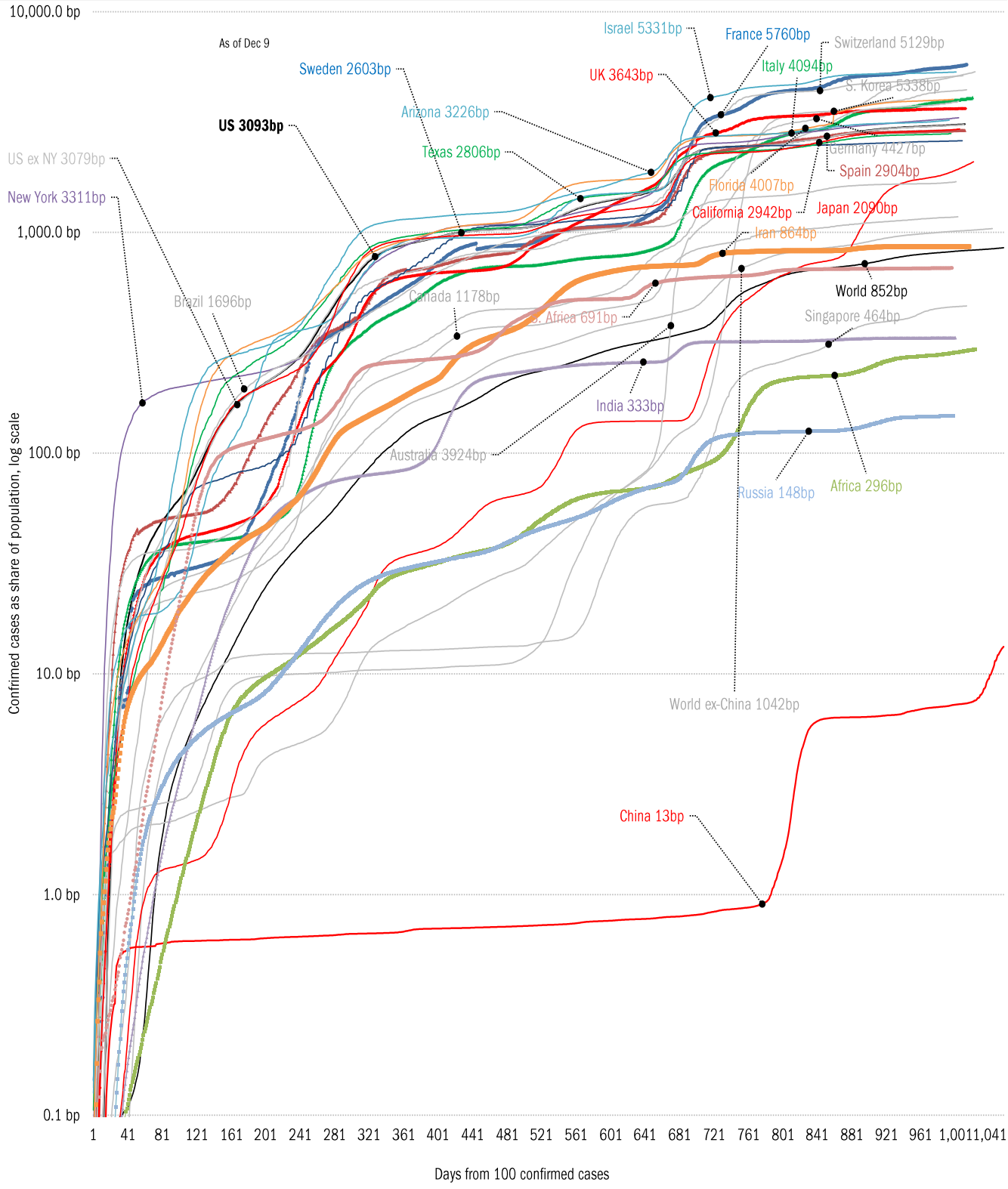
Post-Faucist America
K. Lloyd Billingsley
Independent Institute
December 6, 2022

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

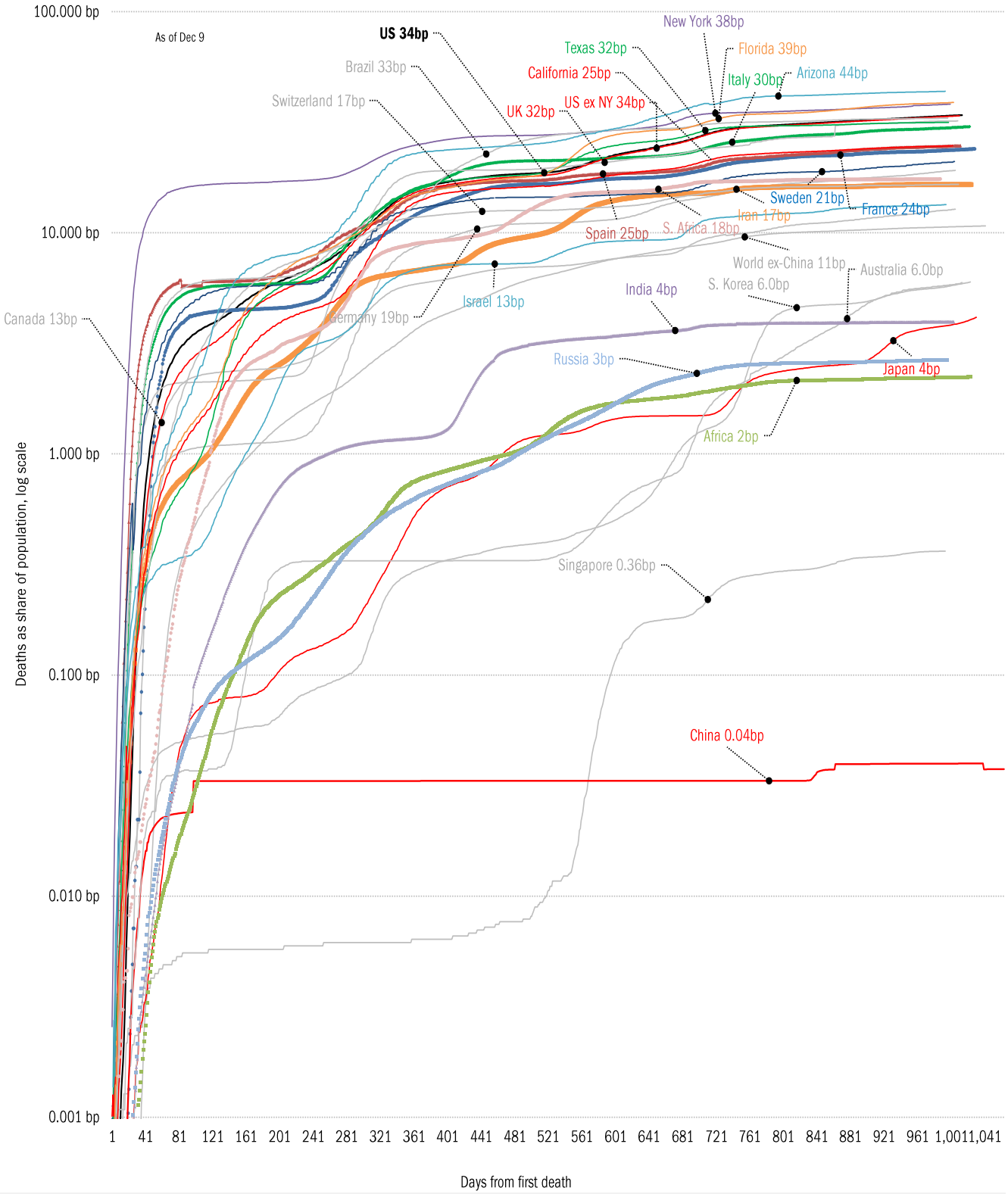
Share of infected population from first day with 100 confirmed cases, log scale



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

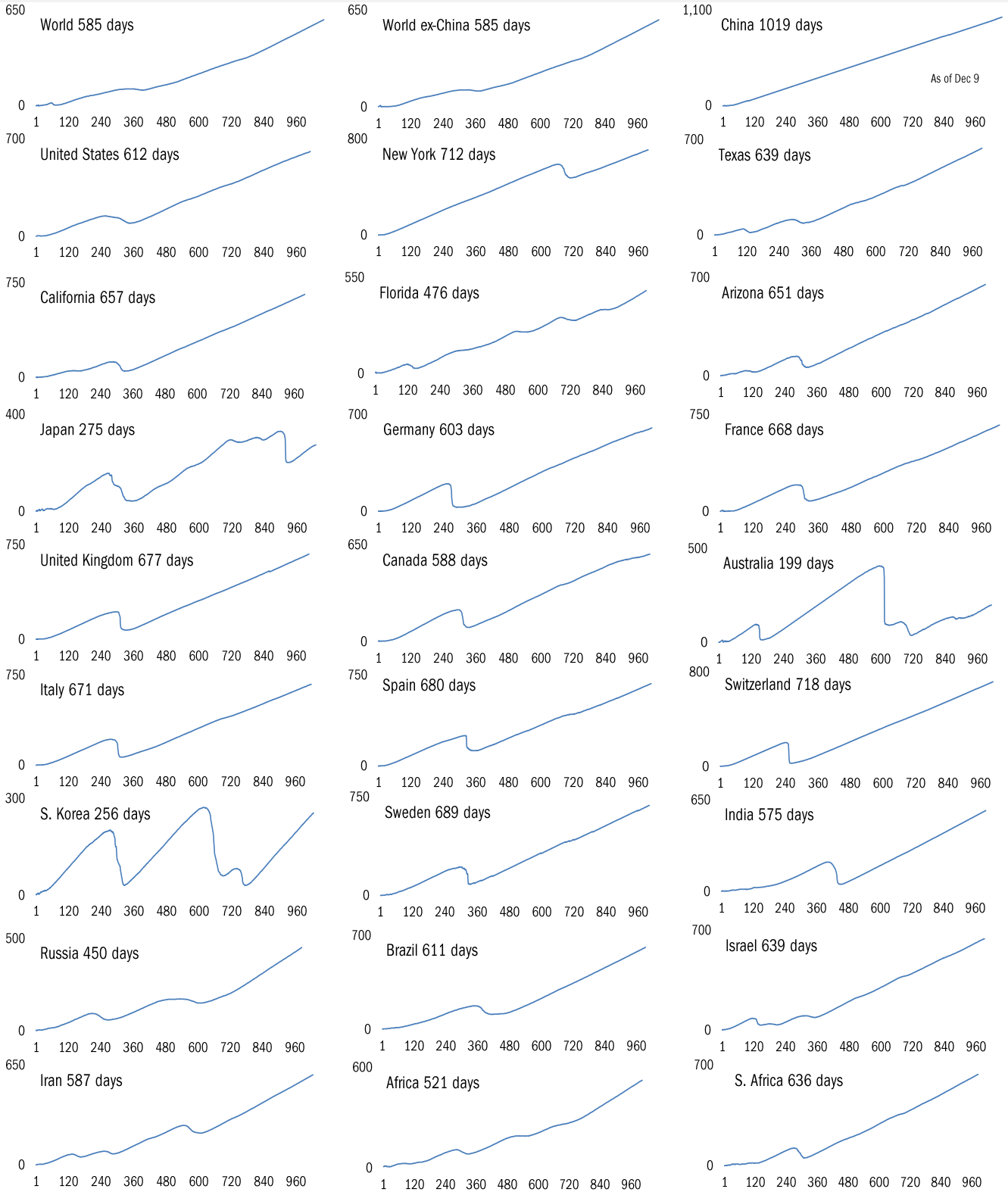


Source: Johns Hopkins, TrendMacro calculations

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

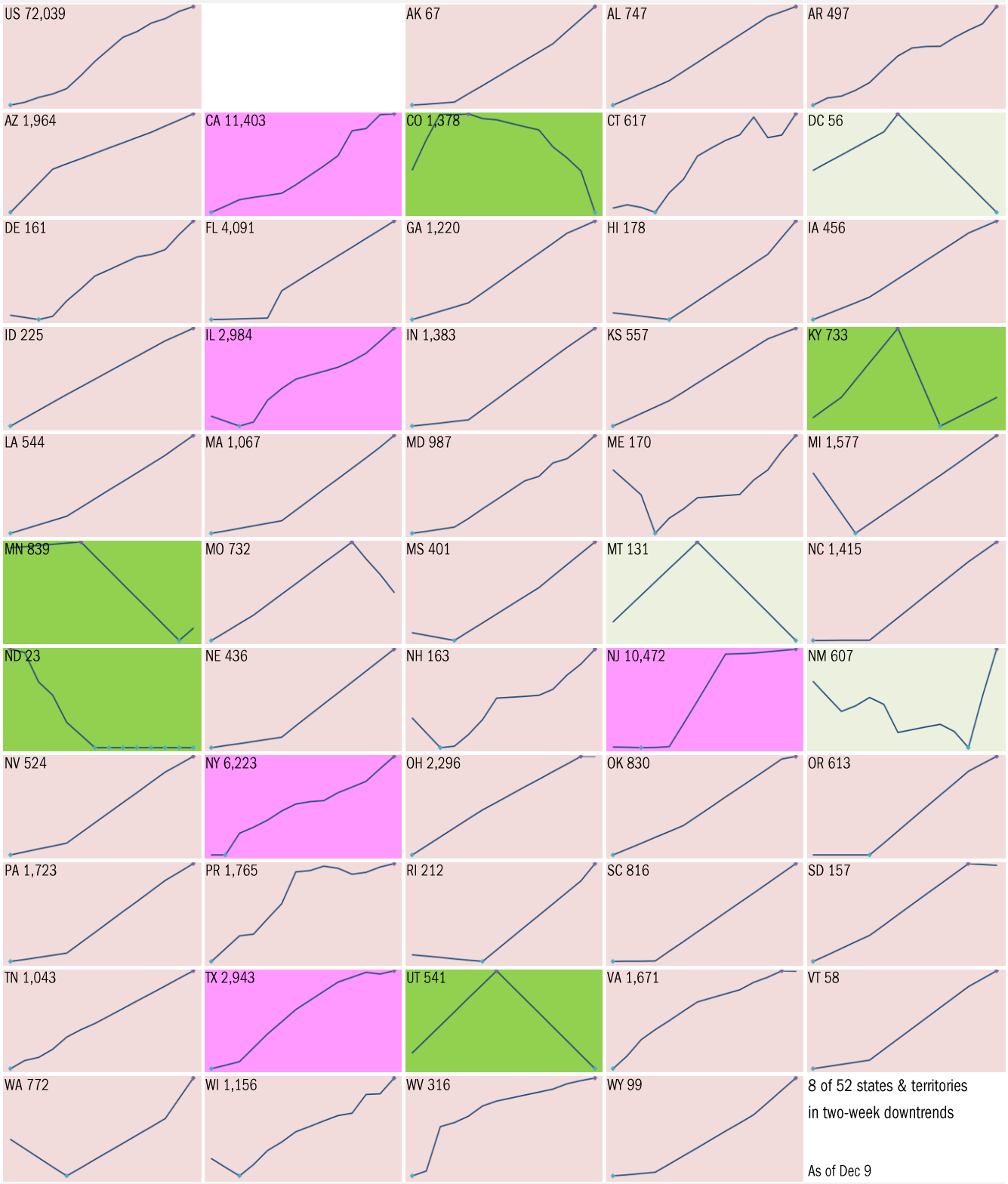


Source: Johns Hopkins, TrendMacro calculations

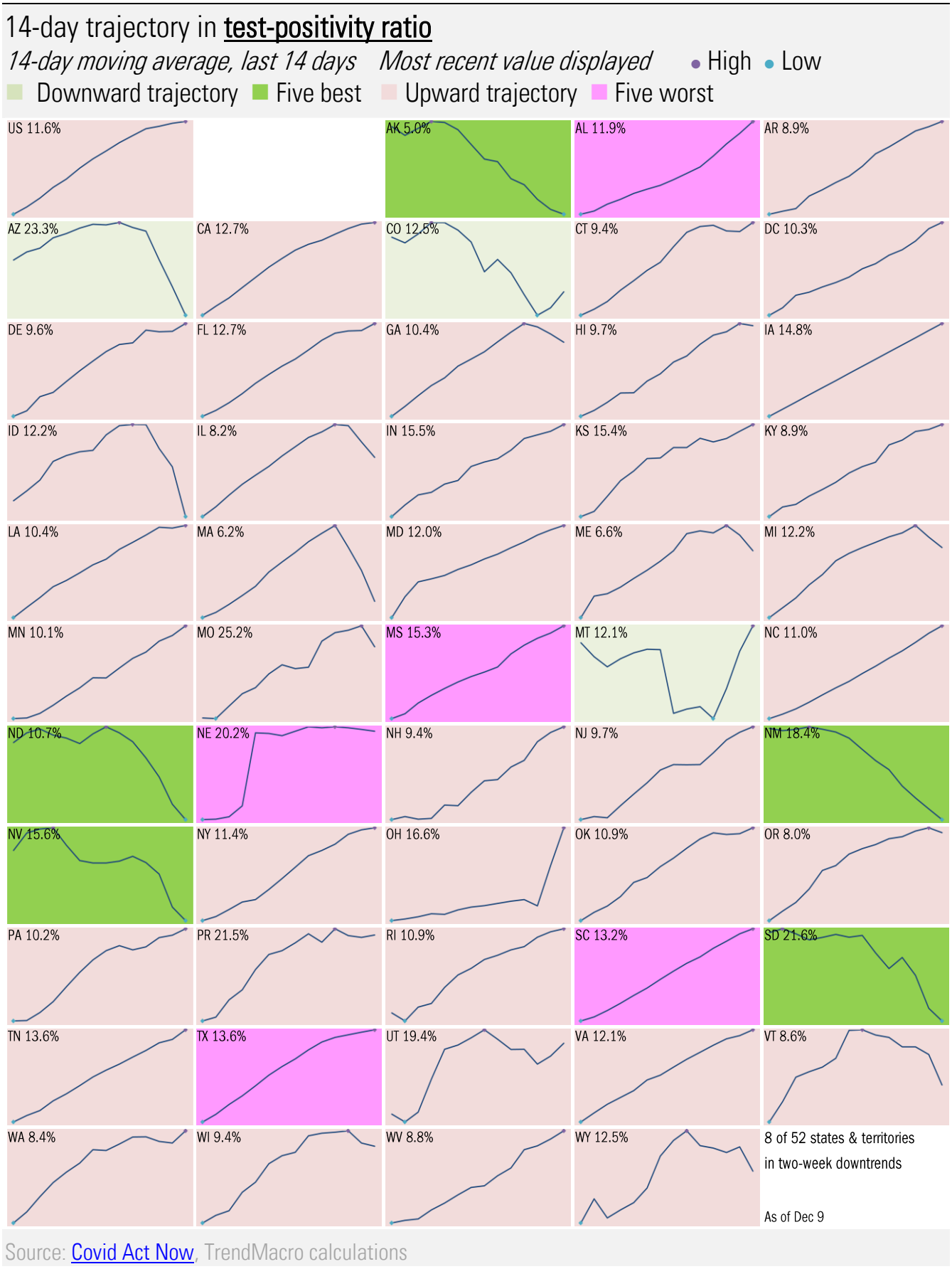
14-day trajectory in new cases

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

Downward trajectory | Five best | Upward trajectory | Five worst



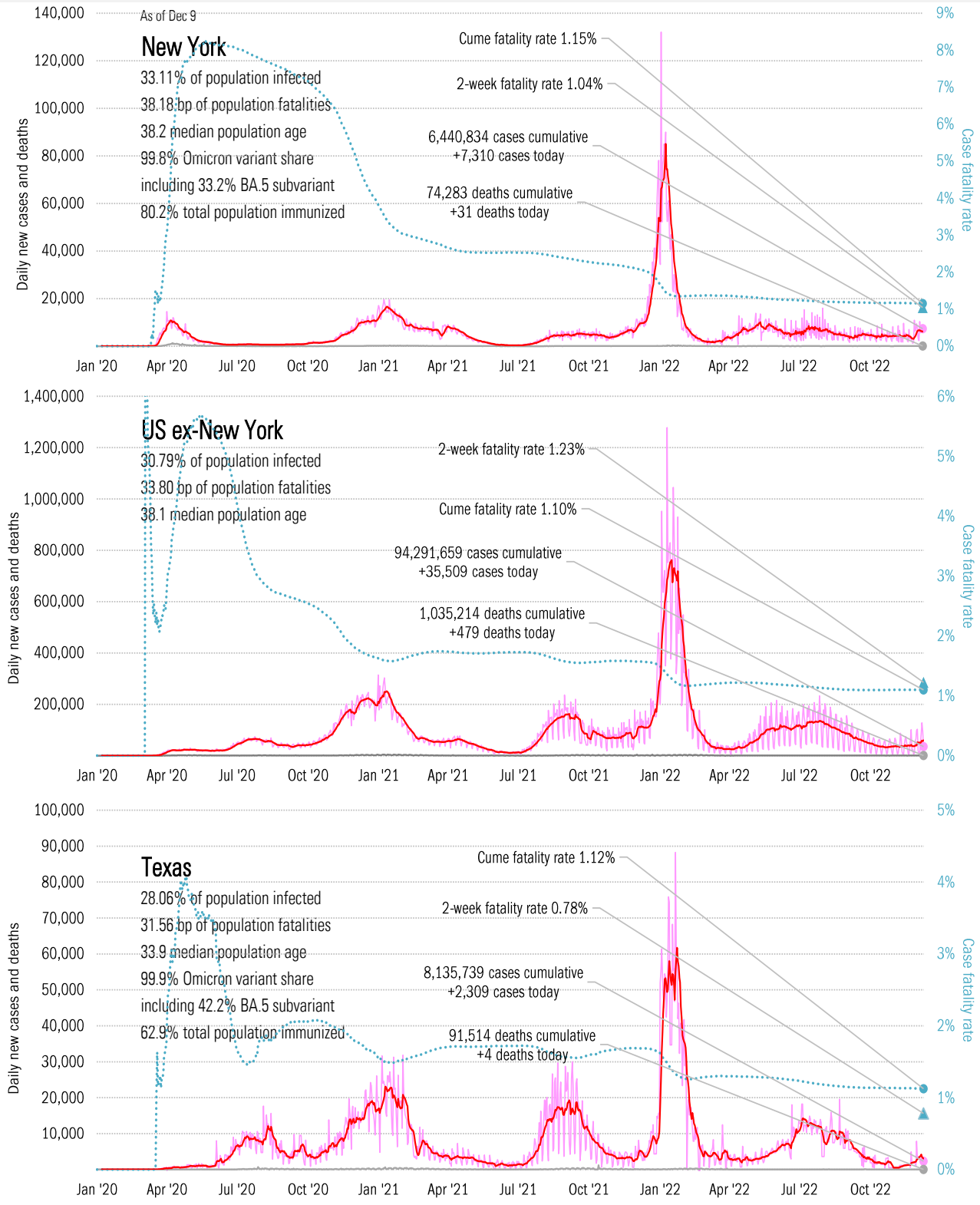
Source: Johns Hopkins, TrendMacro calculations



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

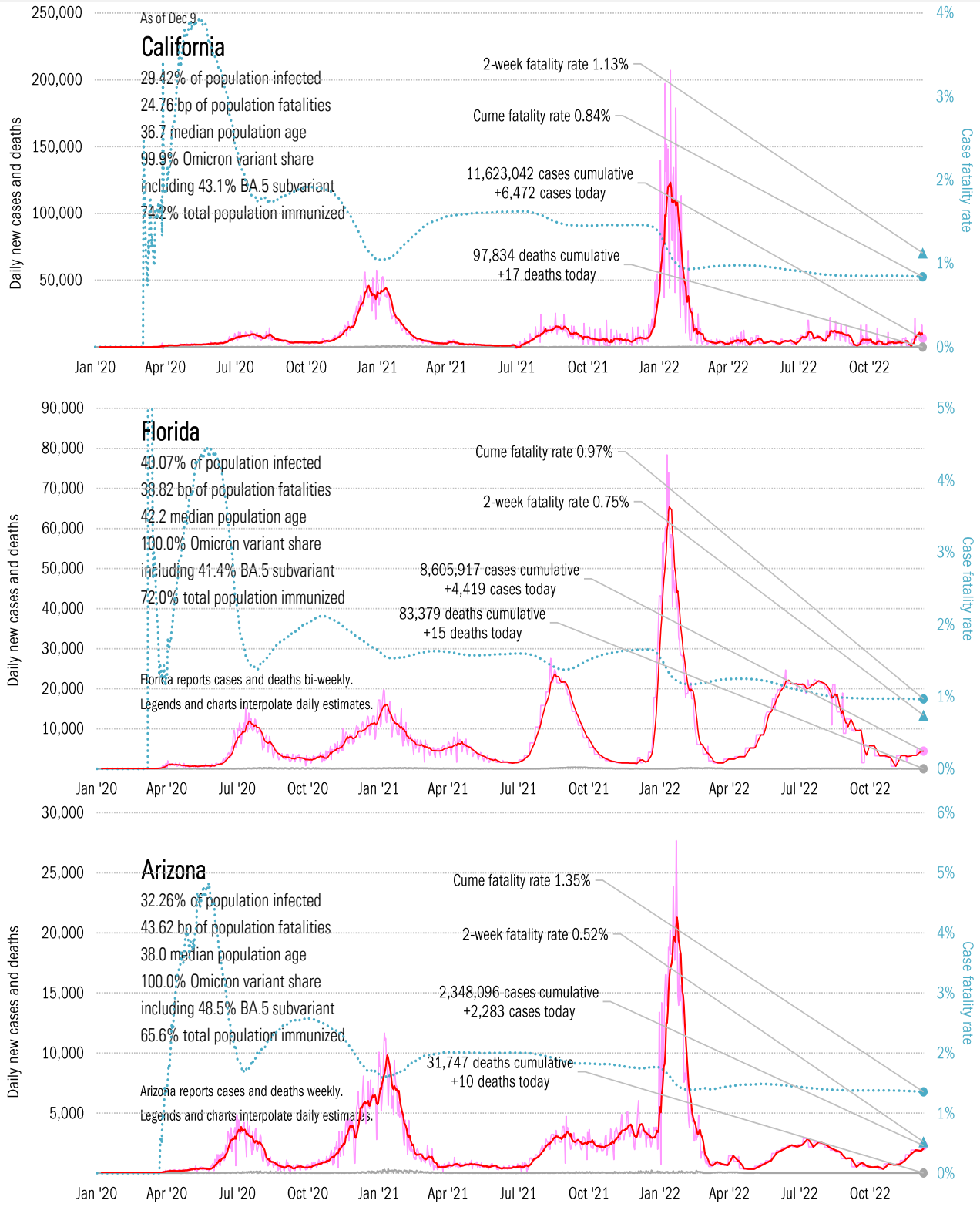
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

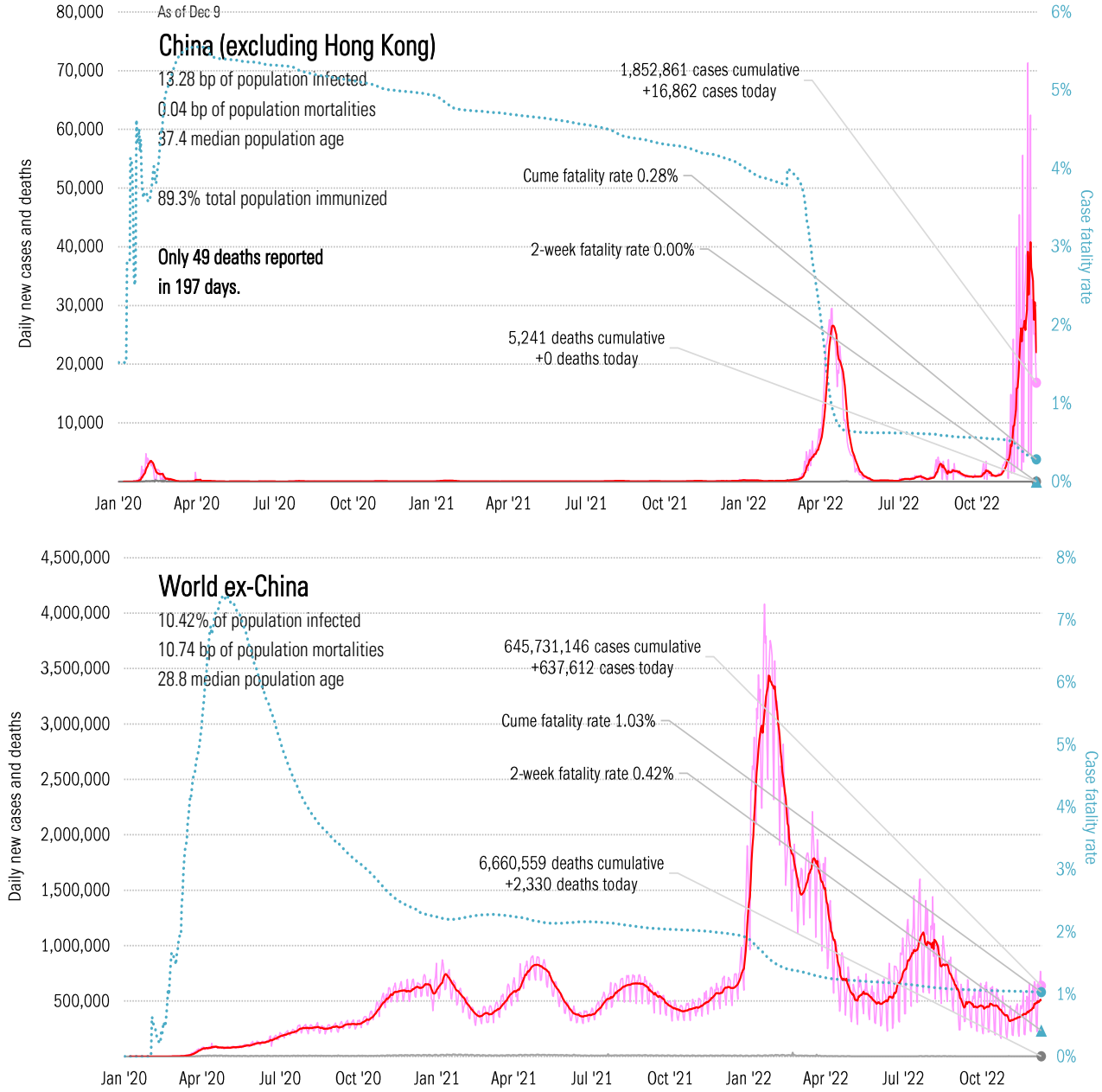
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

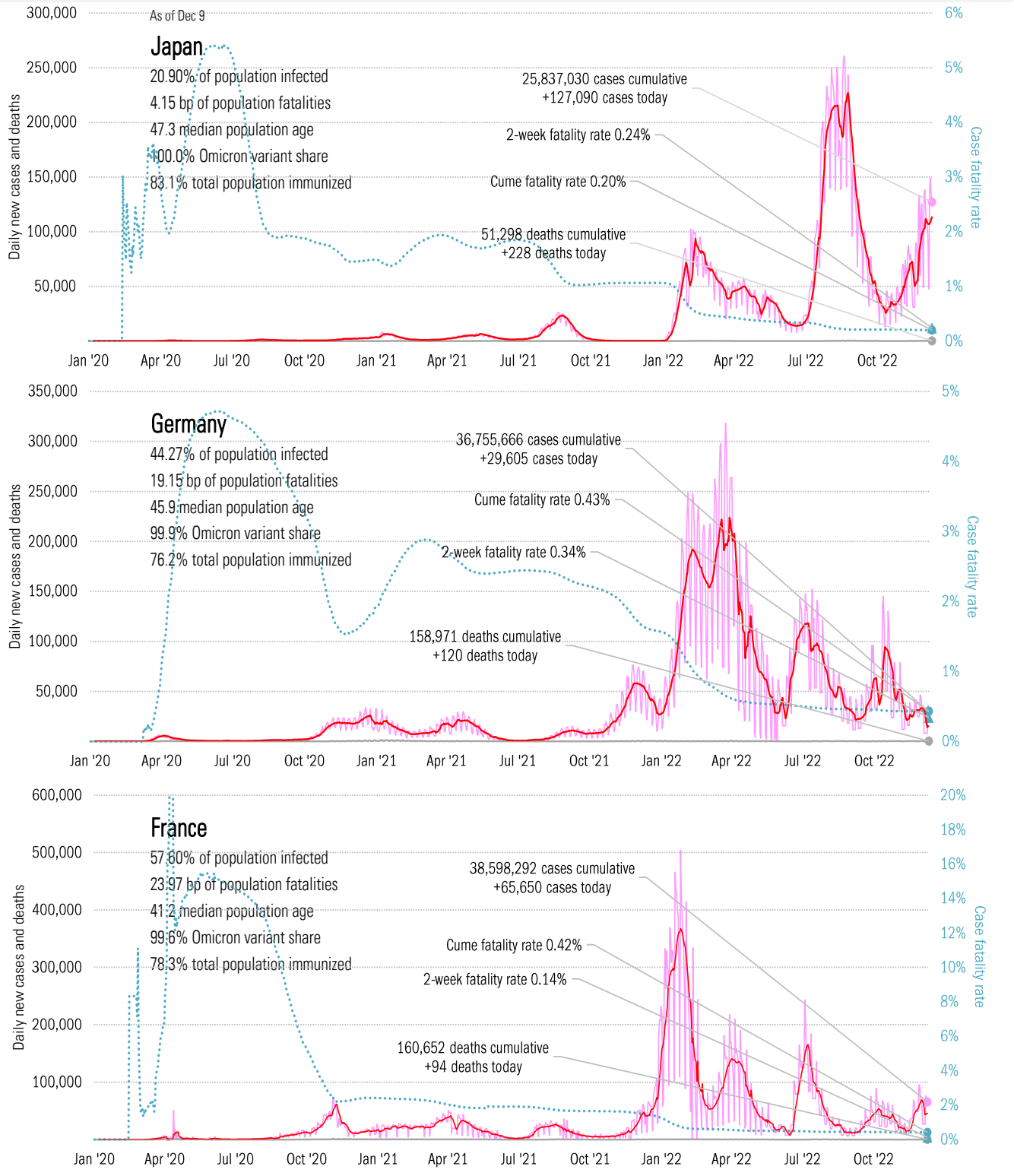
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

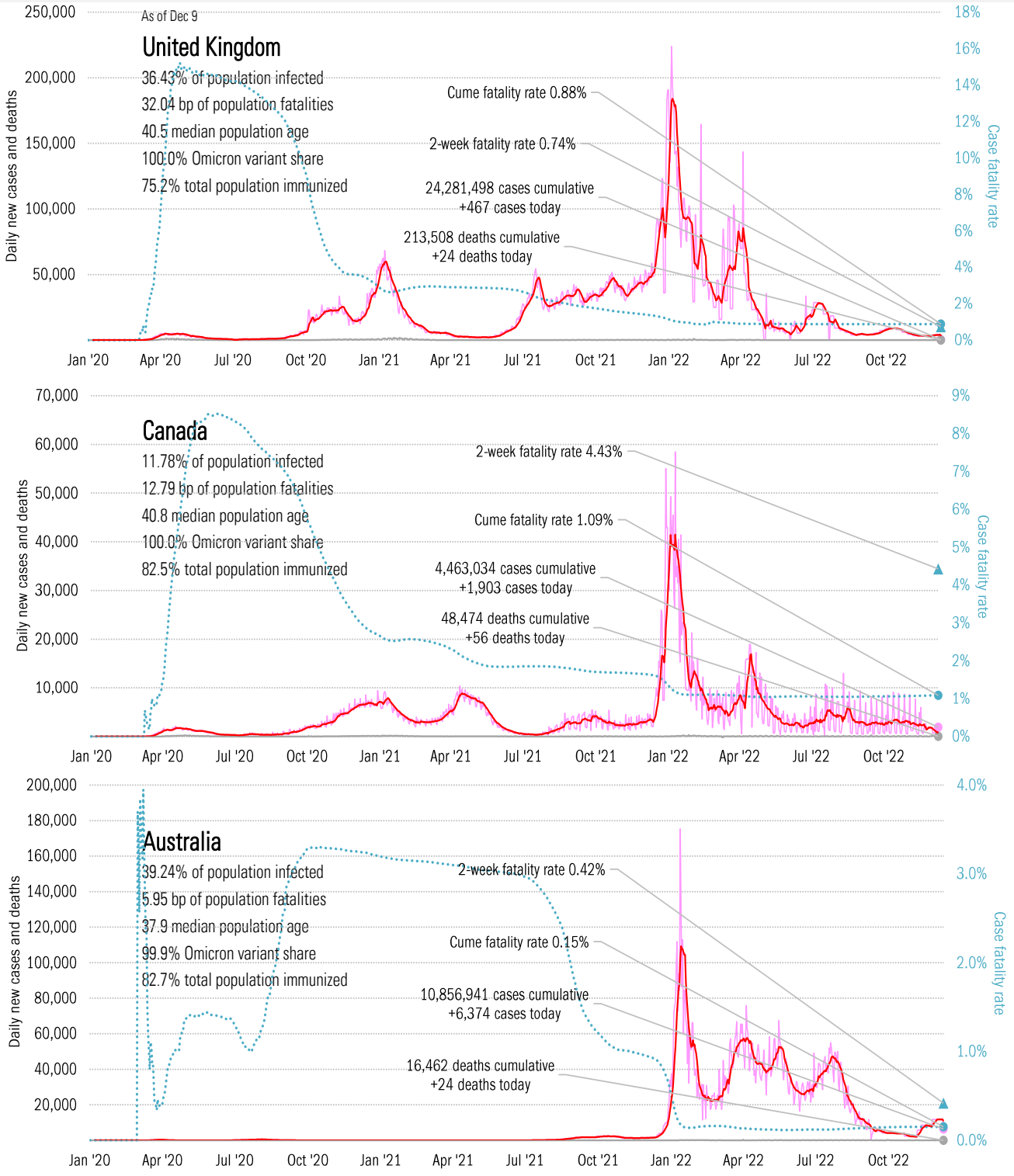
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

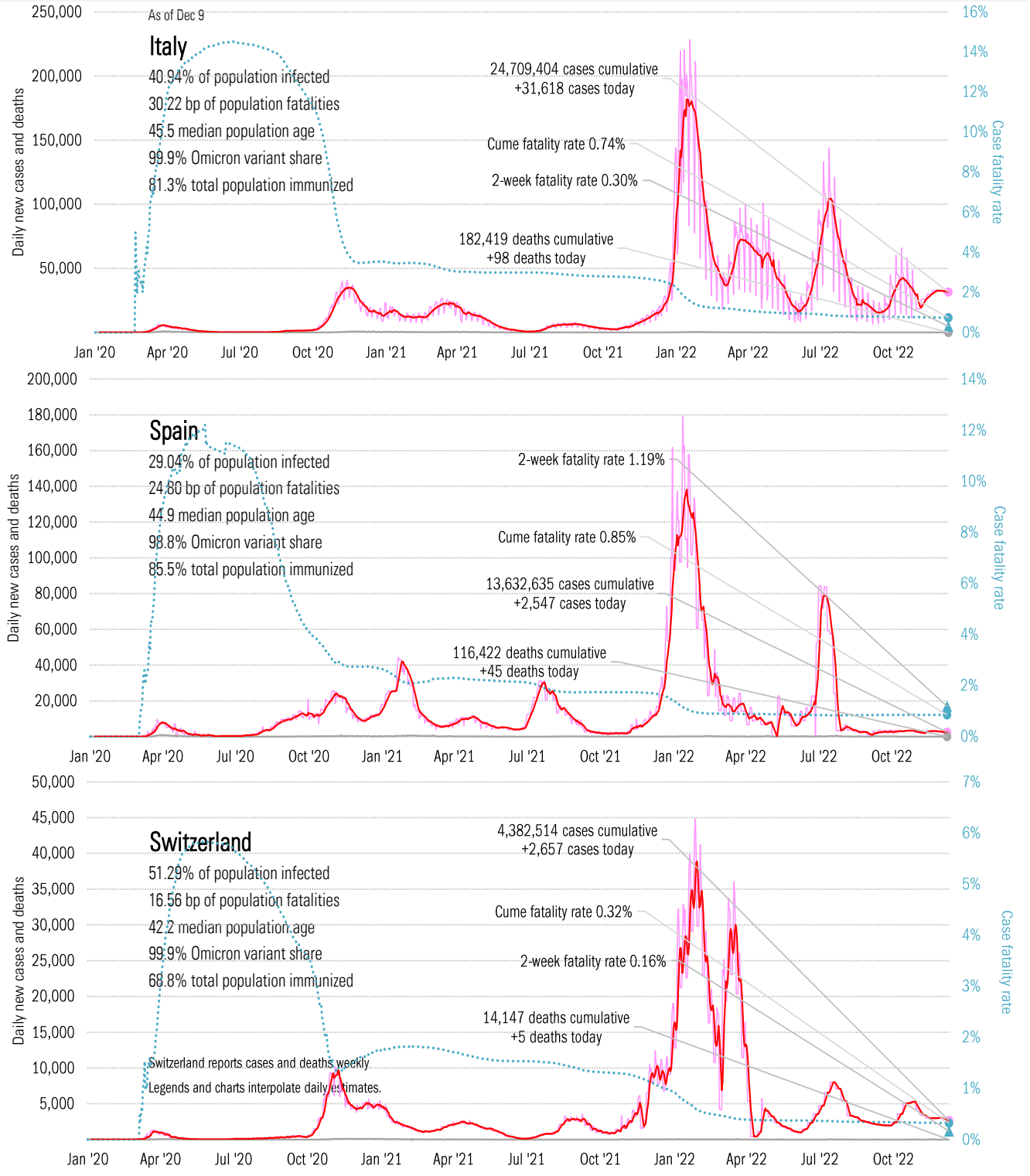
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

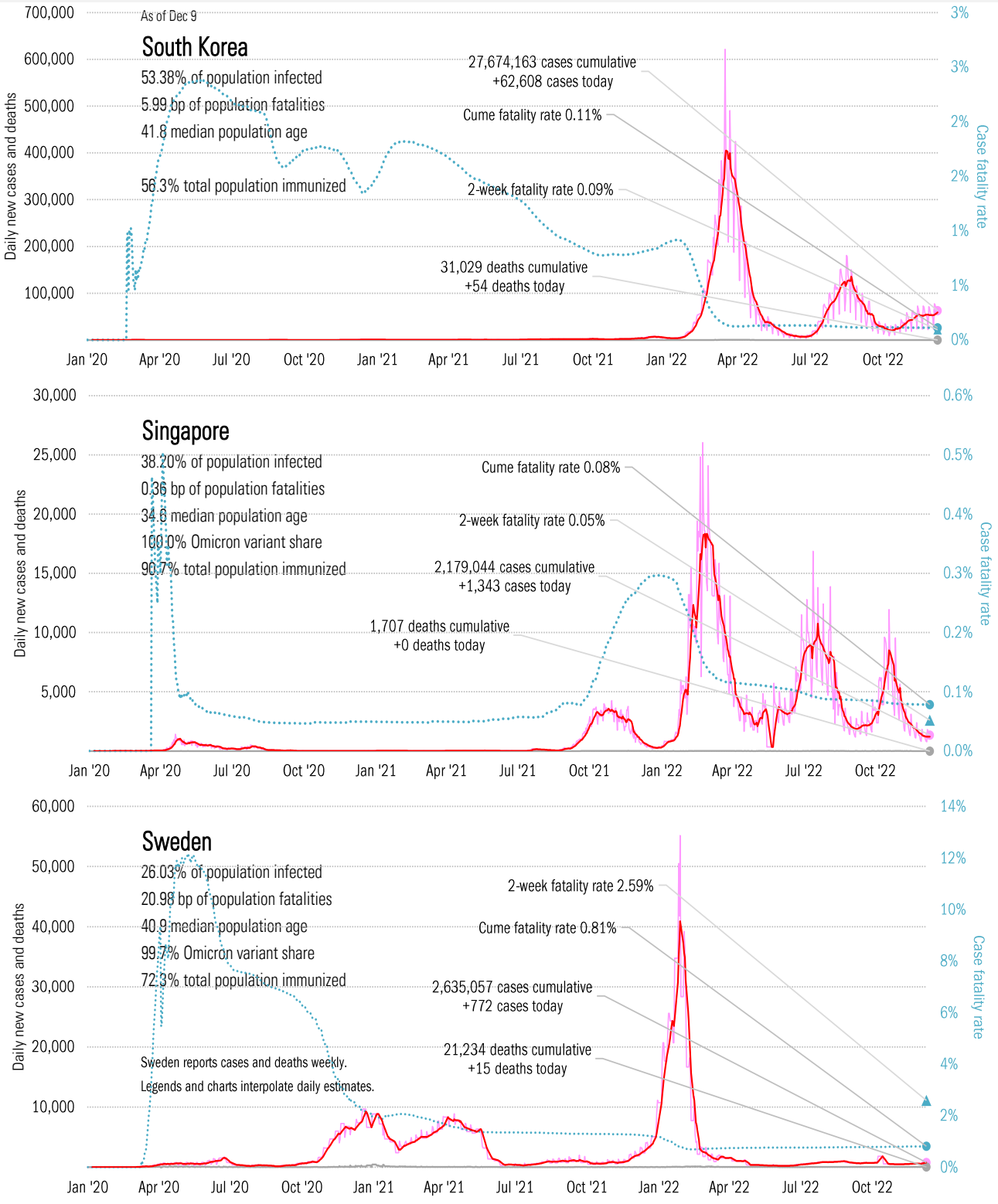
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

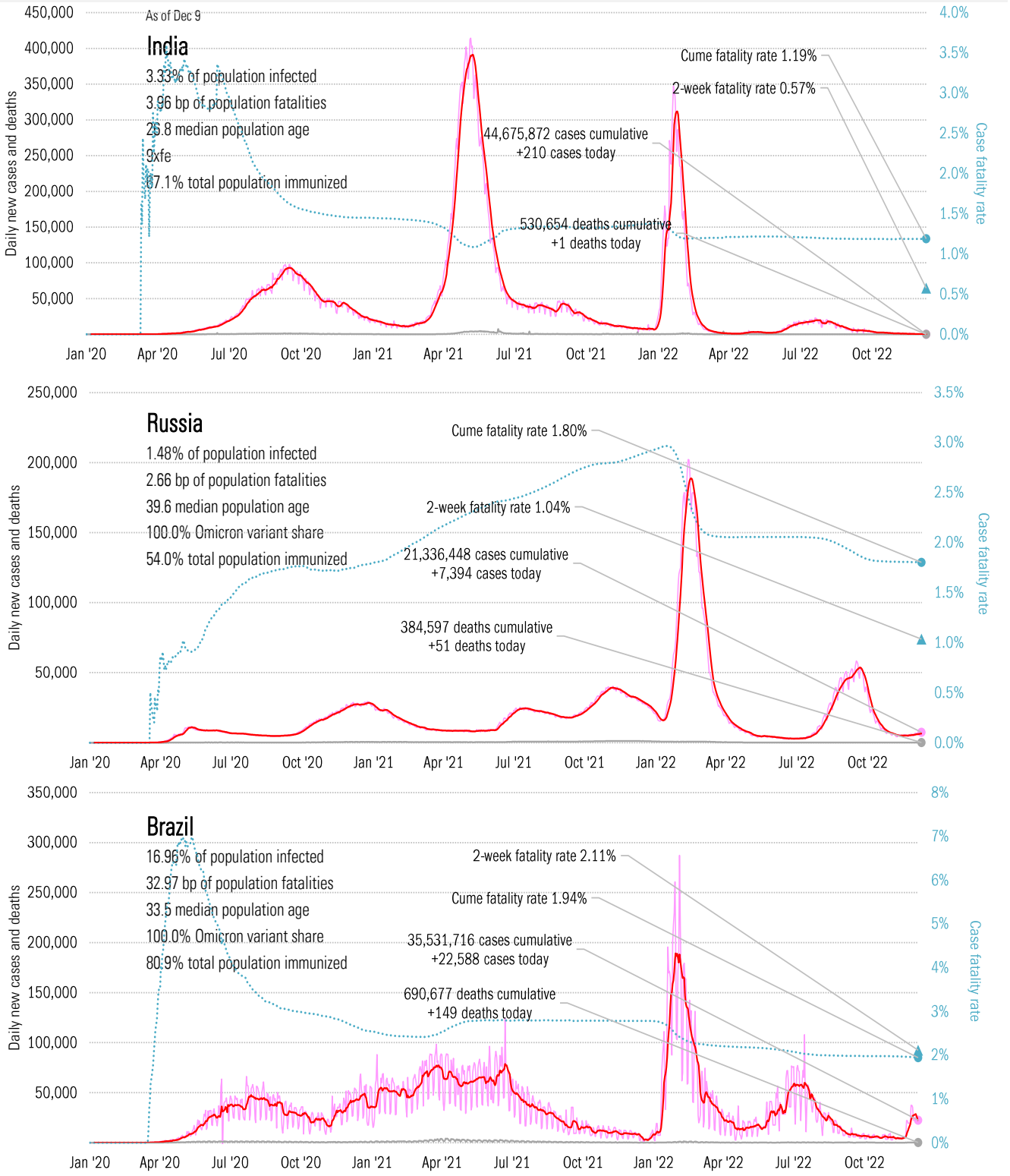
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

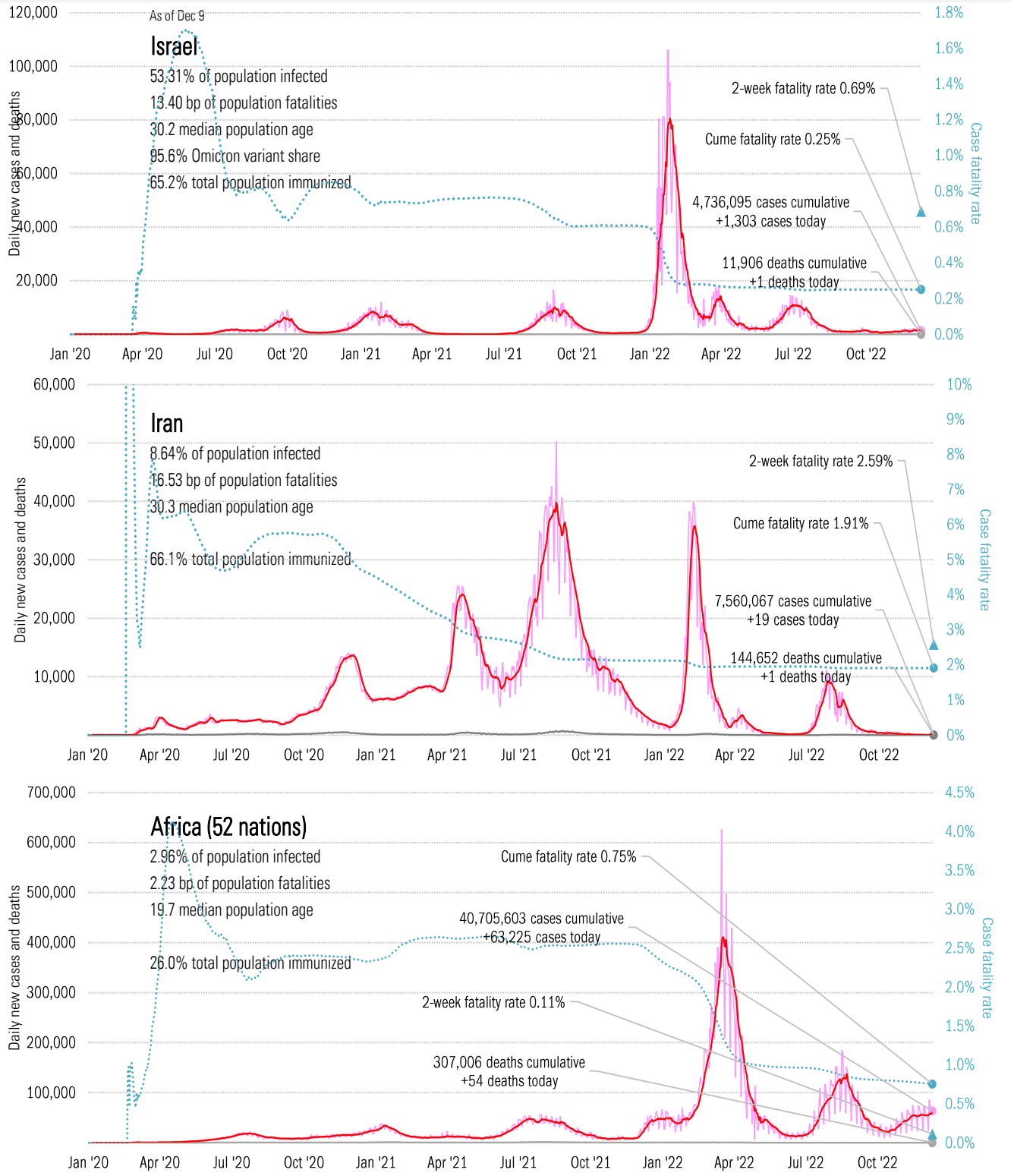
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

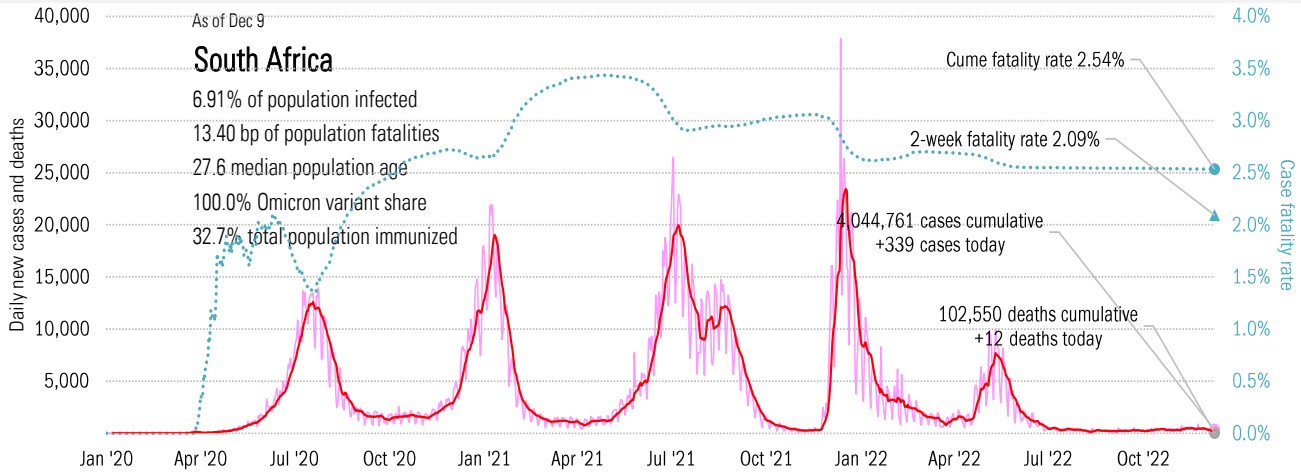
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, Trend Macro calculations