

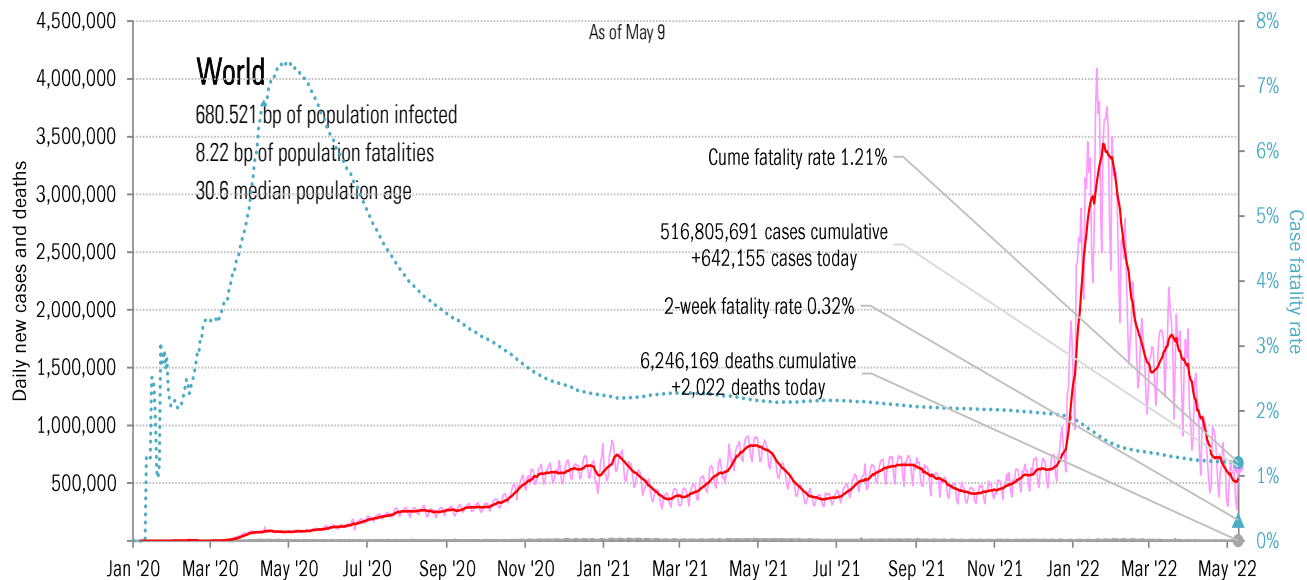
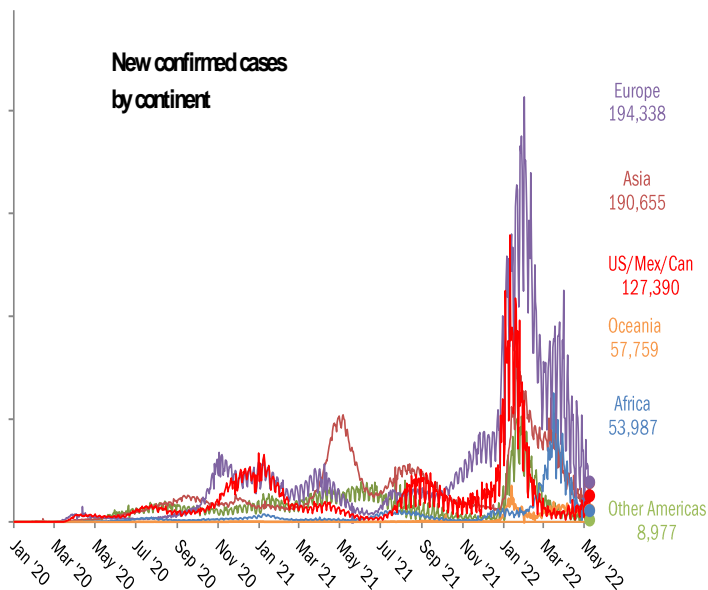
Data Insights: Covid-2019 Monitor

Tuesday, May 10, 2022

The global scorecard

Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Taiwan*	128,935	United States	526
United States	119,231	Germany	218
Germany	107,568	United Kingdom	212
Korea, South	49,896	France	132
Australia	48,033	Mexico	131
Japan	28,353	Russia	101
United Kingdom	26,253	Italy	84
Italy	17,421	Korea, South	62
Belgium	13,746	Thailand	53
Brazil	9,709	Brazil	52
549,145		1,571	
World	642,155	World	2,022
Top ten	86%	Top ten	78%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

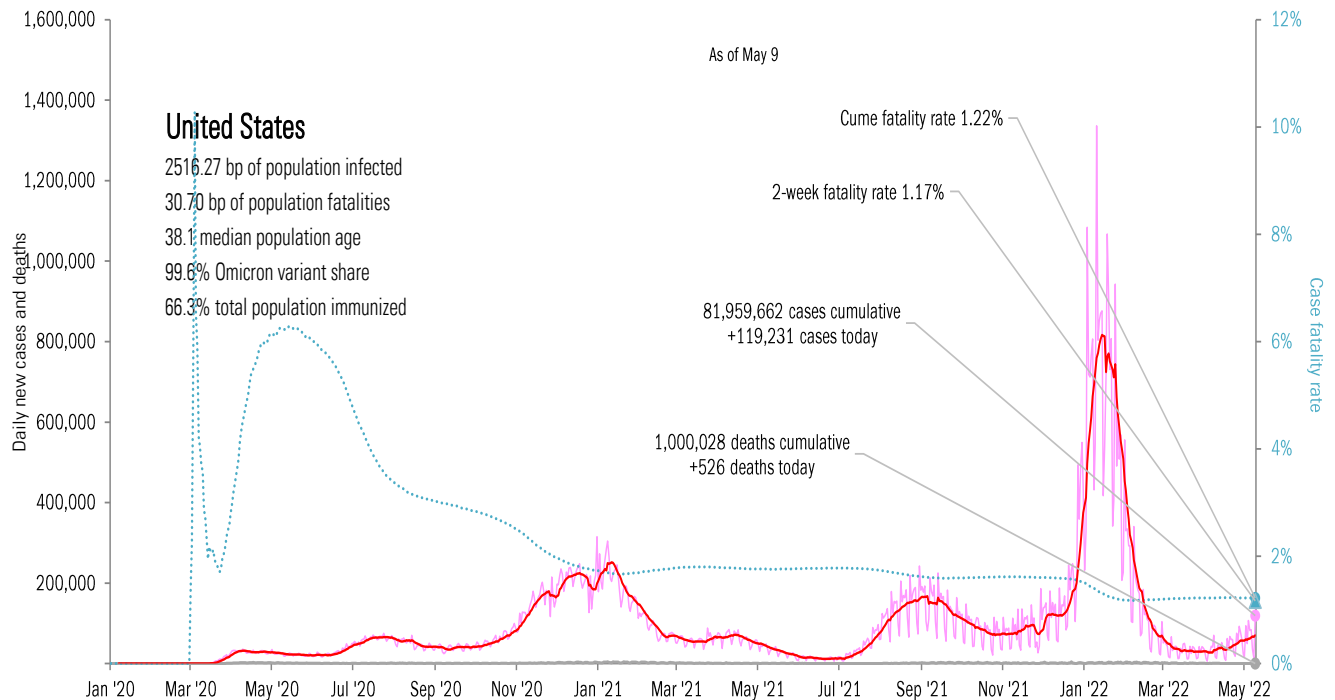
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
IL	14,427		TX	302		NY	333		CA	9,295,307		CA	90,503		TX	491,131		RI	90%	RI	84%
NY	14,361		AZ	34		OK	75		TX	6,850,868		TX	88,478		CA	428,395		MN	84%	TX	81%
WA	11,262		WA	26		FL	203		FL	5,985,013		FL	74,234		FL	418,828		MA	84%	MA	80%
MA	9,287		NY	21		MA	126		NY	5,243,417		NY	68,500		NY	254,649		MO	81%	UT	79%
FL	8,490		FL	15		CA	181		IL	3,183,742		PA	44,733		GA	208,091		WA	81%	ND	79%
FR	8,206		OR	13		MI	107		PA	2,829,776		CH	38,493		CH	192,738		GA	80%	WA	78%
CA	7,260		NM	12		MN	53		CH	2,708,071		GA	37,969		PA	178,249		MD	80%	AK	77%
VA	6,023		WI	11		IL	109		NC	2,673,326		IL	36,102		IL	159,575		WV	80%	MI	77%
WI	4,890		IL	9		WI	65		GA	2,521,664		MI	36,064		MI	143,568		DC	79%	AL	77%
CT	4,590		LA	9		GA	51		MI	2,444,891		NJ	33,495		KY	133,353		DE	79%	NC	77%
88,796			452			1,303			43,736,075			548,571			2,608,577						
All states	119,231		526			2,460			All states	81,959,662		1,000,028			4,736,536			All states	70%	67%	
Top ten	74%		86%			53%			Top ten	53%		55%			55%			Median	73%	71%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-2,023	FL	-120	PA	-46	KS	+10 bp
NJ	-1,170	SC	-2	CH	-37	CH	+10 bp
AR	-62	FR	-1	TX	-36	WA	+10 bp
AK	0	AK	0	WA	-31	VT	+10 bp
DC	0	AL	0	CO	-19	AK	+0 bp

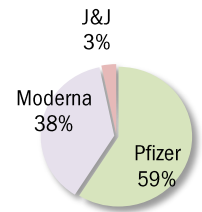


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	594,572,722		+0.106 million	US	66.3%	77.8%
Boosters	44,215,081		+0.008 million	UK	73.0%	78.1%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	265,956,678	80%	226,473,790	68%	+0.013 million	France 78.2% 80.6%
Age 12 to 17	17,763,823	70%	15,146,878	60%	+0.001 million	Spain 86.5% 88.2%
Age 18 to 64	178,798,900	88%	151,657,392	75%	+0.006 million	Germany 76.8% 76.9%
Age 65 and over	59,036,508	100%	51,320,826	94%	+0.004 million	Italy 79.4% 84.1%

Australia	83.6%	86.4%
Israel	66.1%	72.2%
Canada	82.3%	85.9%
Japan	80.7%	82.0%
Africa	16.8%	22.3%
India	62.3%	72.2%
Brazil	76.9%	85.5%
China	86.6%	89.1%



State

At least partial immunity as % population

Full immunity as % population

Best

Middle

Worst

AK
69.9%
62.4%

WI
71.9%
65.6%

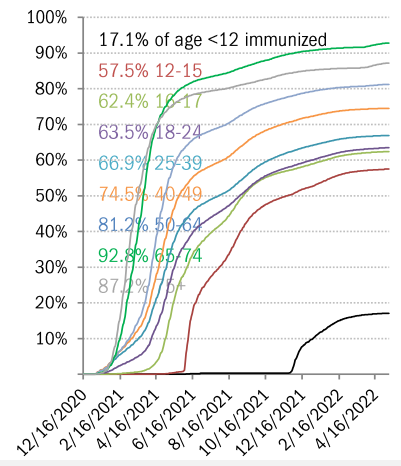
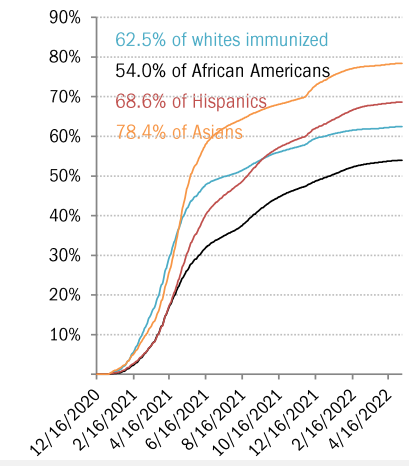
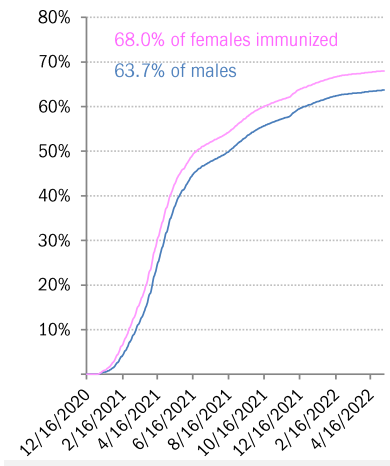
As of May 9

ME
90.6%
79.7%

WA 80.9% 72.7%	ID 61.6% 54.5%	MT 65.3% 56.8%	ND 65.7% 55.6%	MN 75.2% 69.3%	IL 76.8% 68.9%	MI 67.0% 60.2%		NY 90.3% 77.0%	VT 93.7% 81.3%	NH 88.4% 70.6%
OR 78.0% 69.7%	NV 75.4% 60.9%	WY 58.9% 51.6%	SD 76.7% 61.6%	IA 68.0% 62.0%	IN 61.5% 54.9%	OH 63.6% 58.5%	PA 85.0% 68.6%	NJ 90.5% 75.7%	MA 95.0% 79.1%	
CA 83.9% 72.2%	UT 72.1% 64.3%	CO 79.5% 70.3%	NE 70.4% 63.7%	MO 66.2% 56.1%	KY 66.2% 57.5%	WV 65.1% 57.6%	VA 85.8% 73.3%	MD 86.6% 75.8%	CT 95.0% 79.3%	RI 95.0% 82.7%
	AZ 73.2% 61.7%	NM 87.9% 71.2%	KS 74.6% 61.6%	AR 66.8% 54.5%	TN 62.2% 54.6%	NC 84.4% 61.3%	SC 67.7% 57.1%	DC 95.0% 77.7%	DE 83.2% 69.2%	
			OK 71.2% 57.3%	LA 61.1% 53.5%	MS 59.6% 51.9%	AL 62.8% 51.2%	GA 65.4% 54.8%			
			TX 73.3% 61.6%					FL 79.4% 67.1%		PR 95.0% 83.1%

HI
87.5%
78.3%

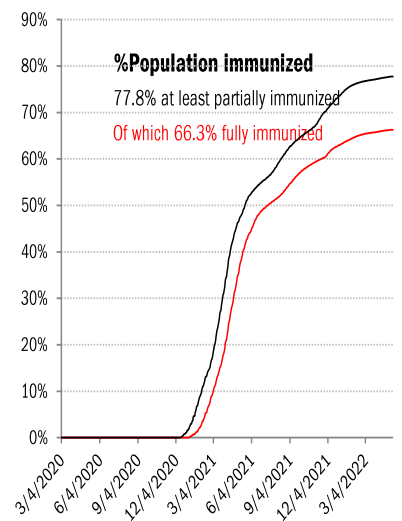
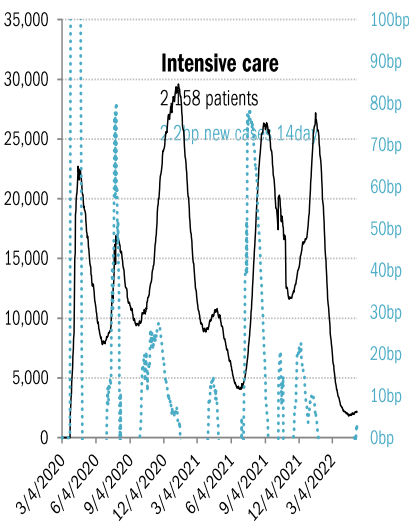
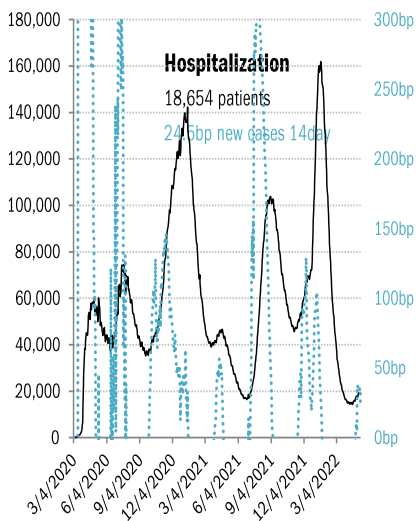
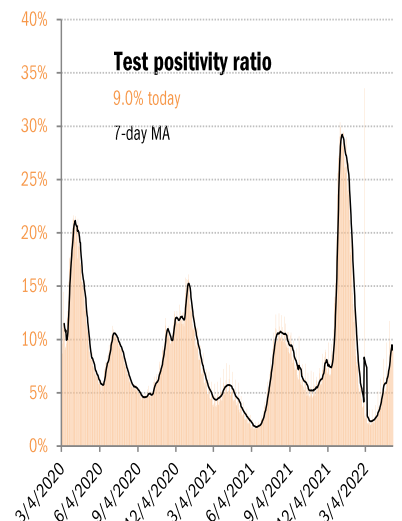
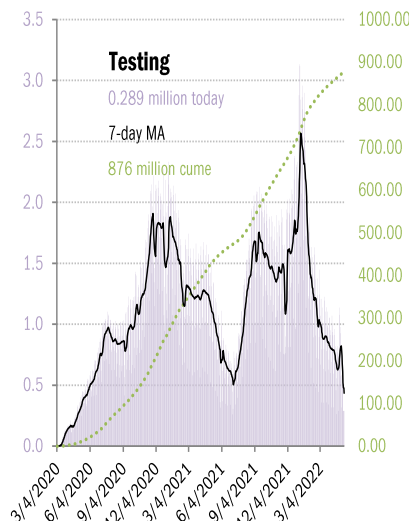
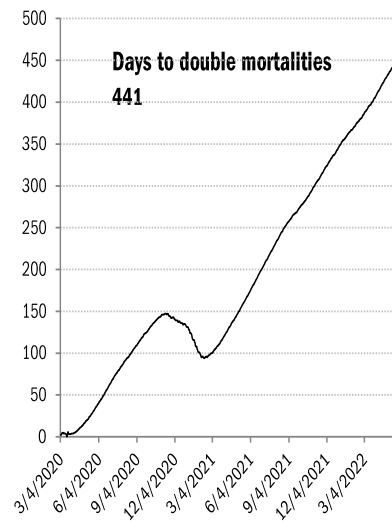
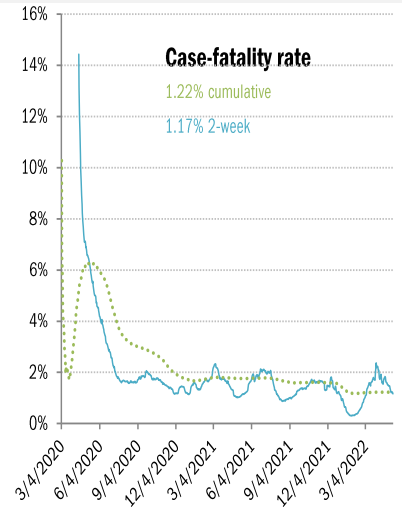
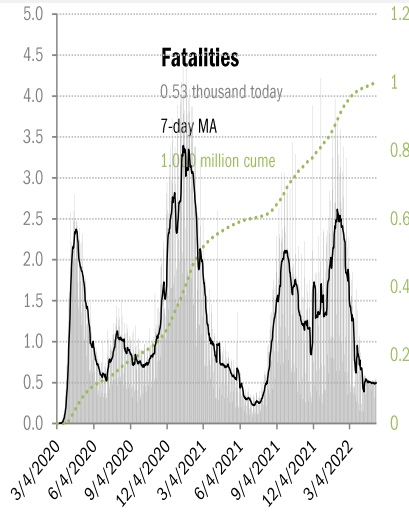
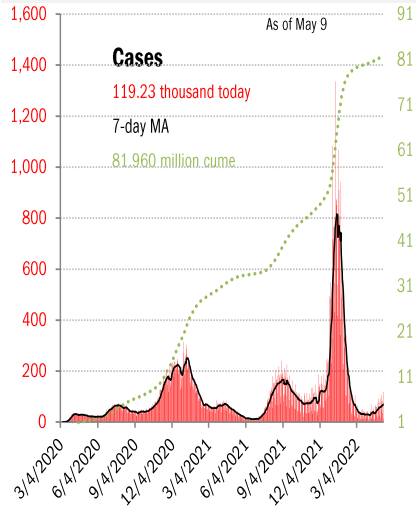
The demographics of US vaccination



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

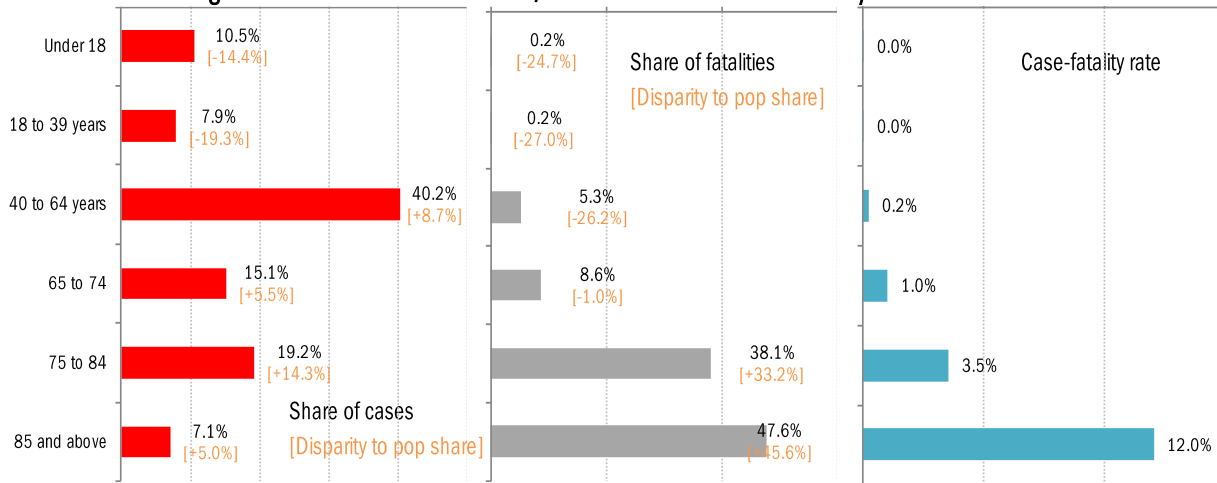
US deep-dive

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

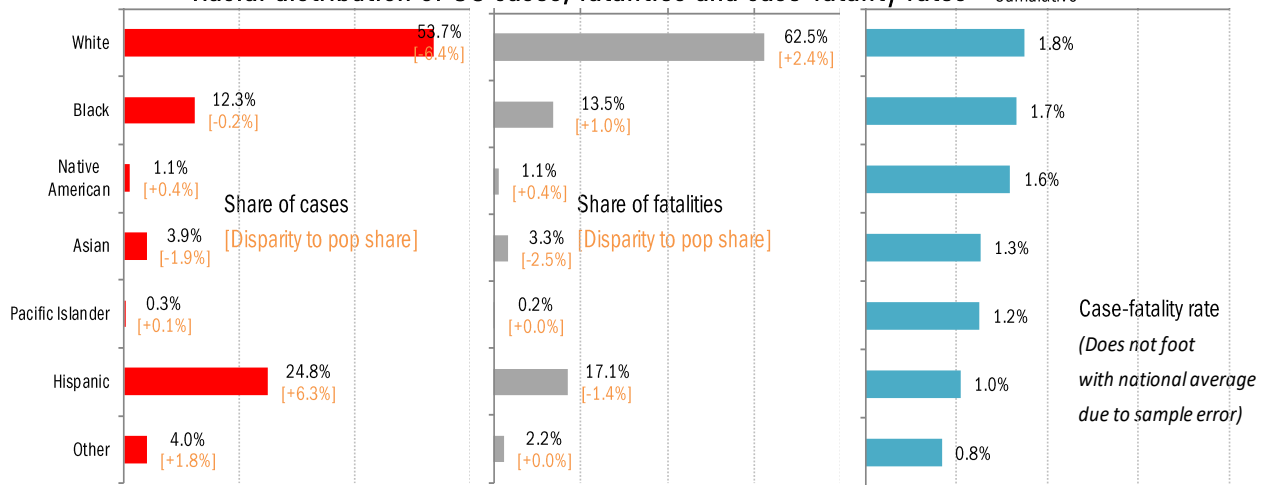


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

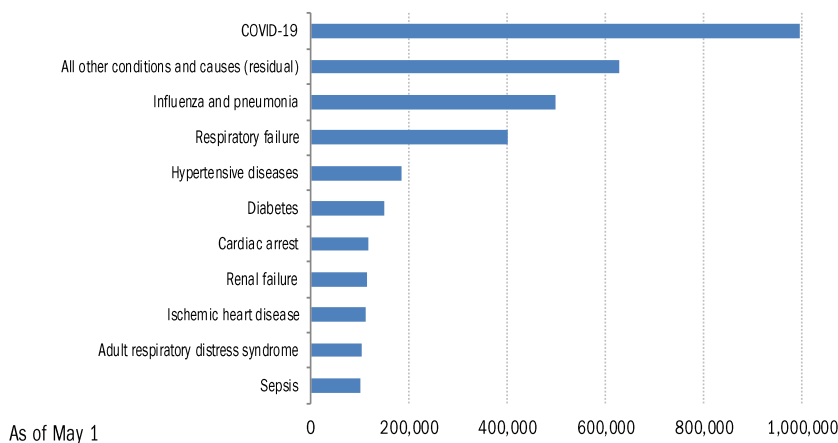


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[How Sweden's Covid gamble paid off: Scandinavian nation has suffered FEWER deaths in pandemic than majority of Europe - despite defying scientific advice by refusing to impose strict lockdowns](#)

Emily Craig
Daily Mail
May 6, 2022

[Unruly air passenger rates declined in the U.S. after mask mandates were suspended.](#)

Ceylan Yeginsu
New York Times
May 5, 2022

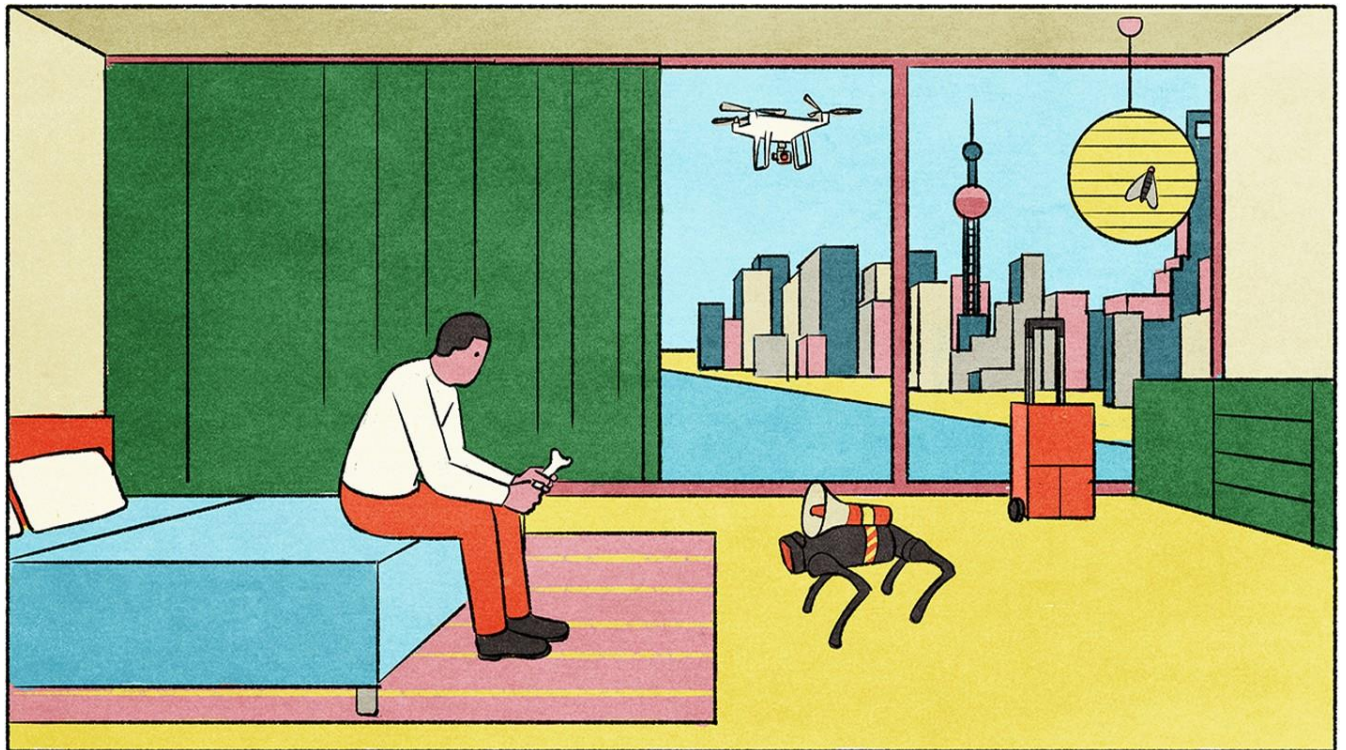
[Hundreds of MacBook Pro workers break through COVID barriers, battle guards](#)

Ben Lovejoy
9to5 Mac
May 6, 2022

[Fauci's head just got 100 times bigger after being awarded "Dr. of Science" degree](#)

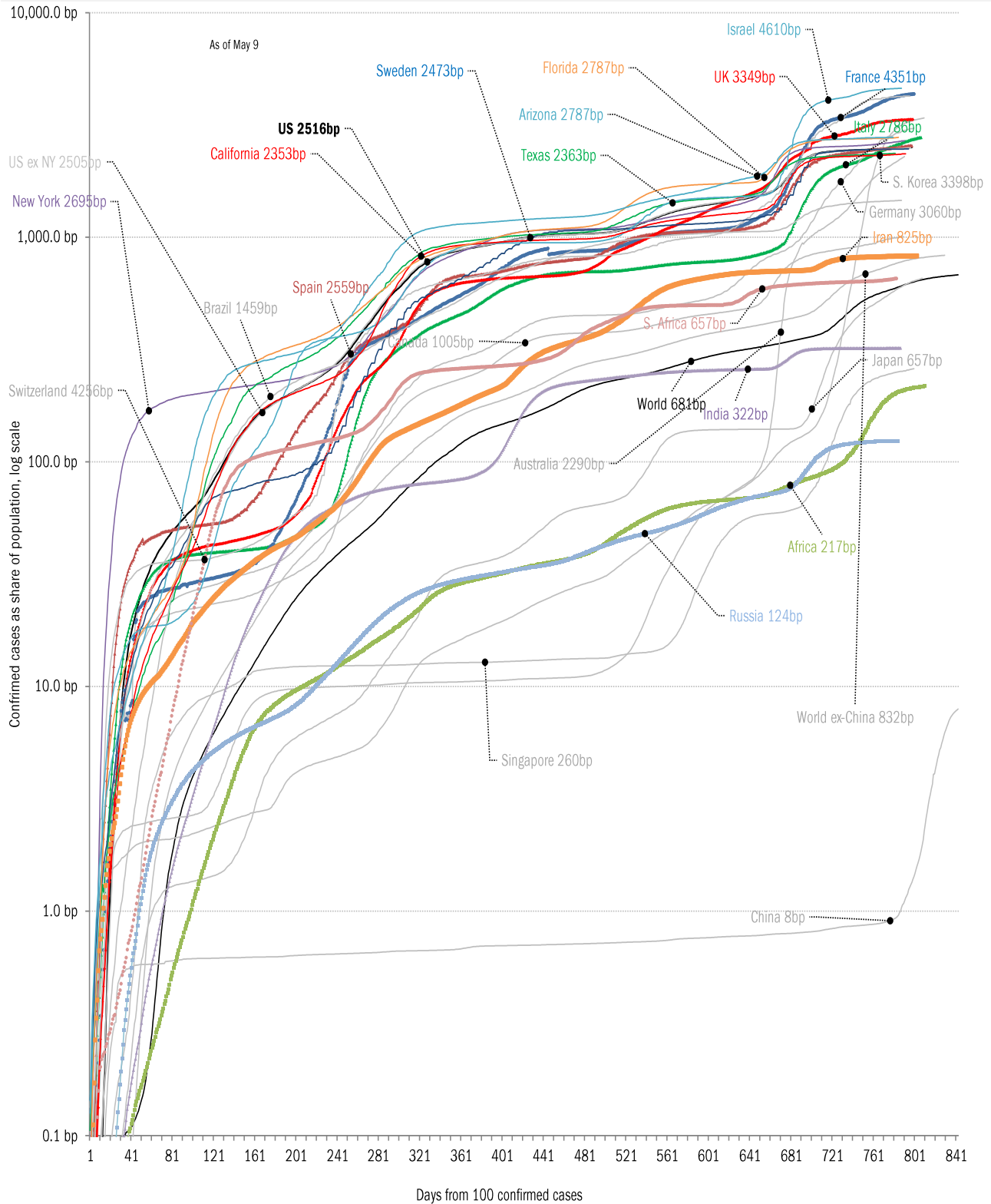
Right Scoop
May 9, 2022

Meme of the day



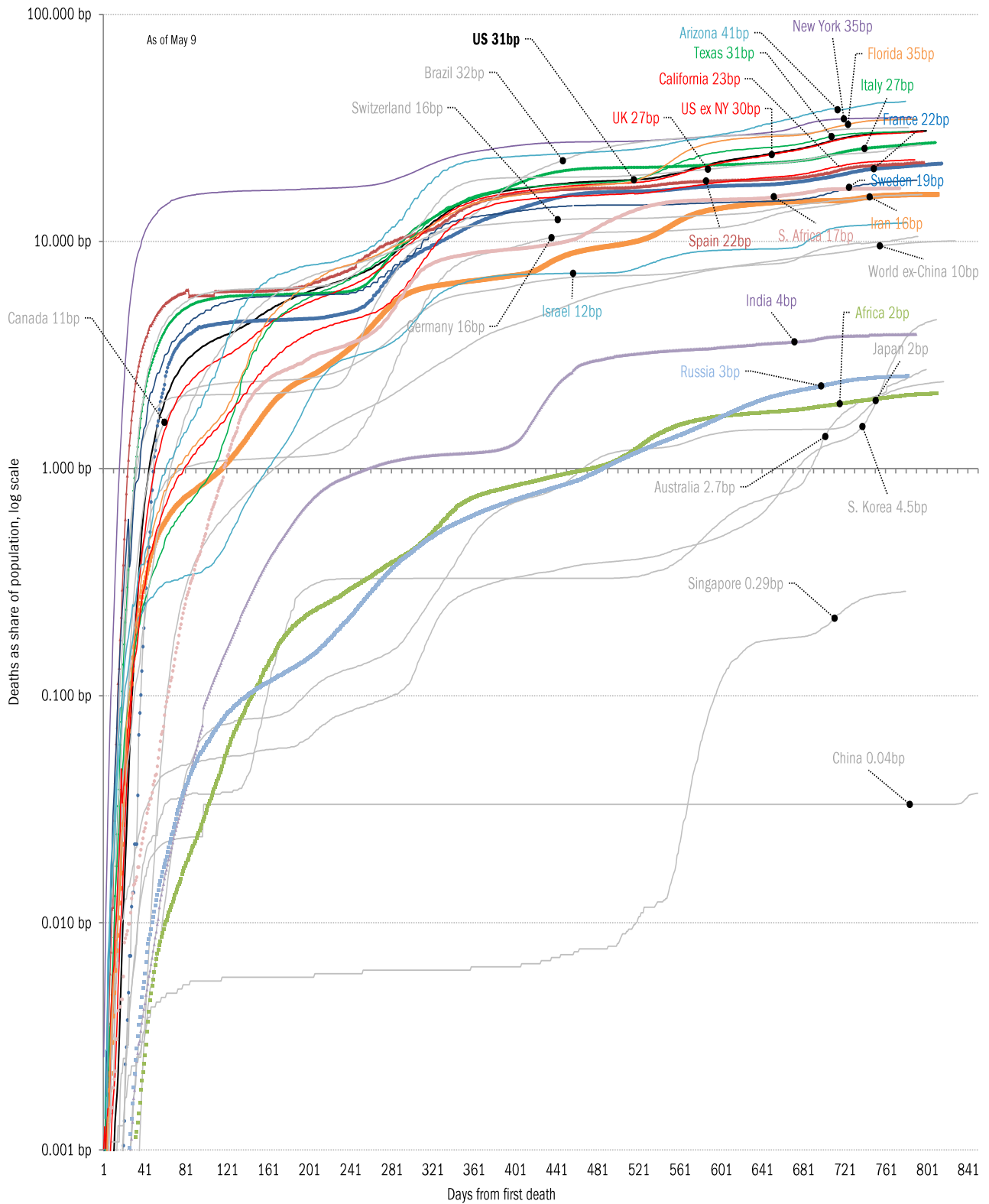
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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](#), TrendMacro calculations

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

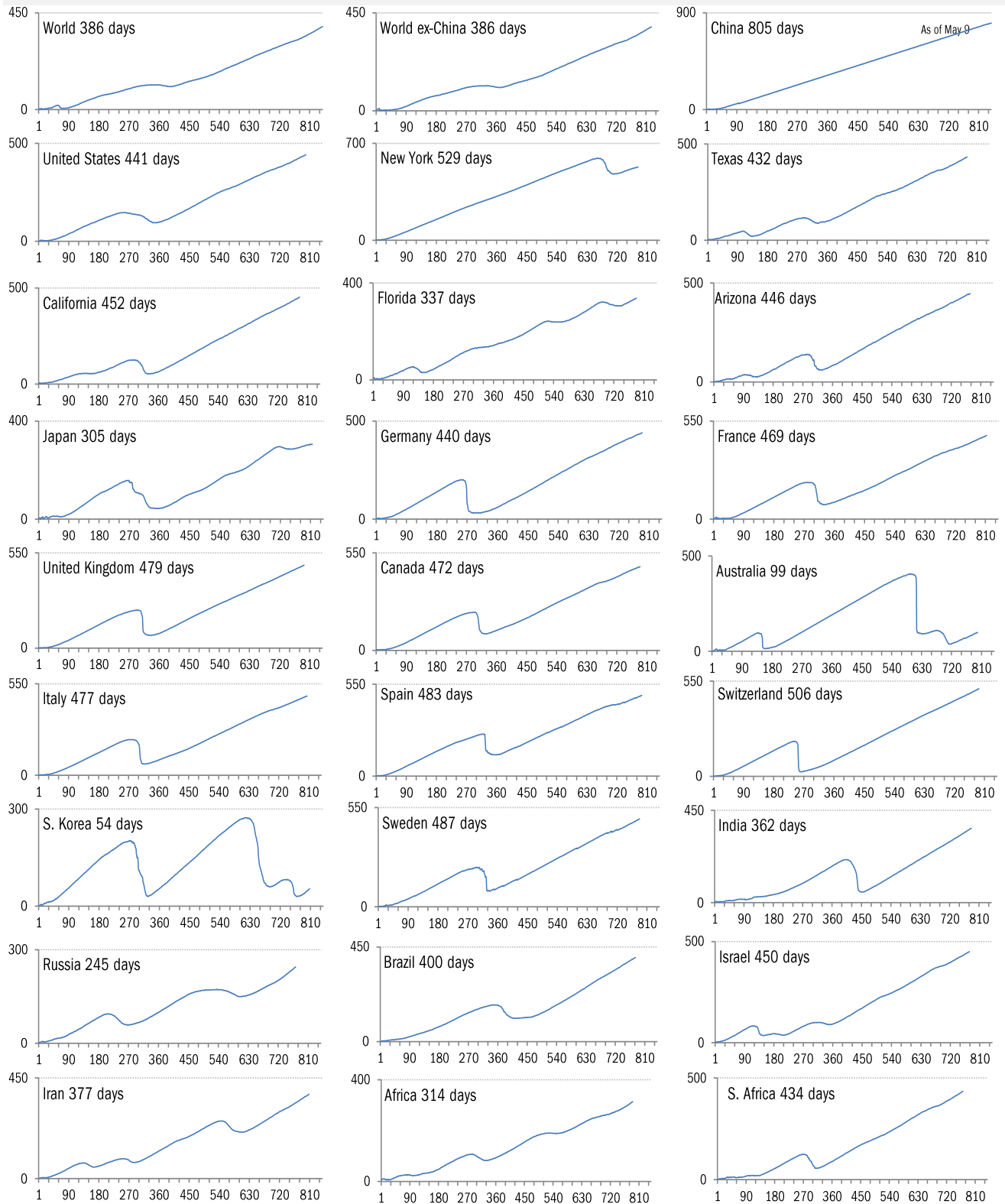


Source: [Johns Hopkins](#), TrendMacro calculations

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

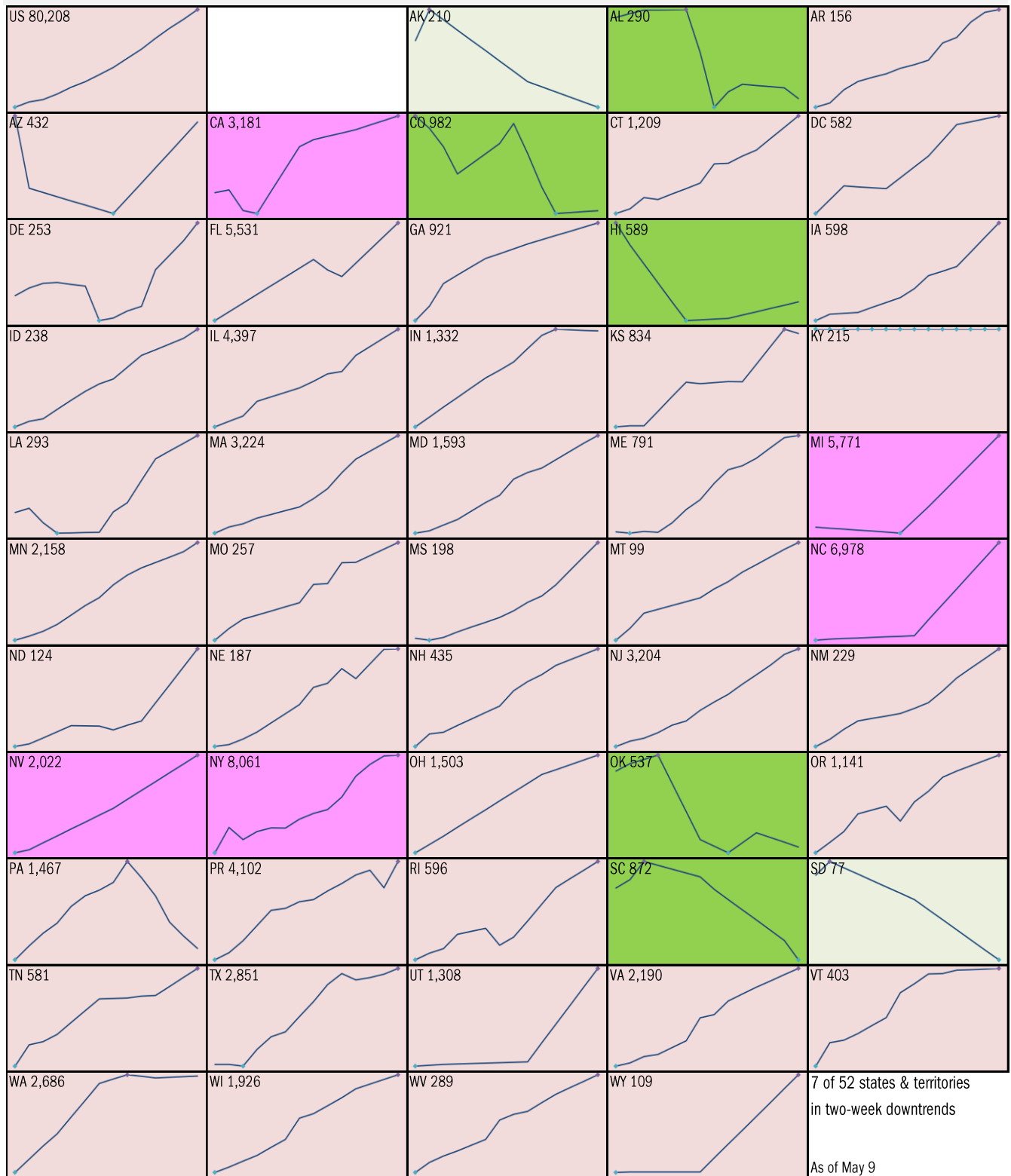


Source: [Johns Hopkins](#), TrendMacro calculations

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

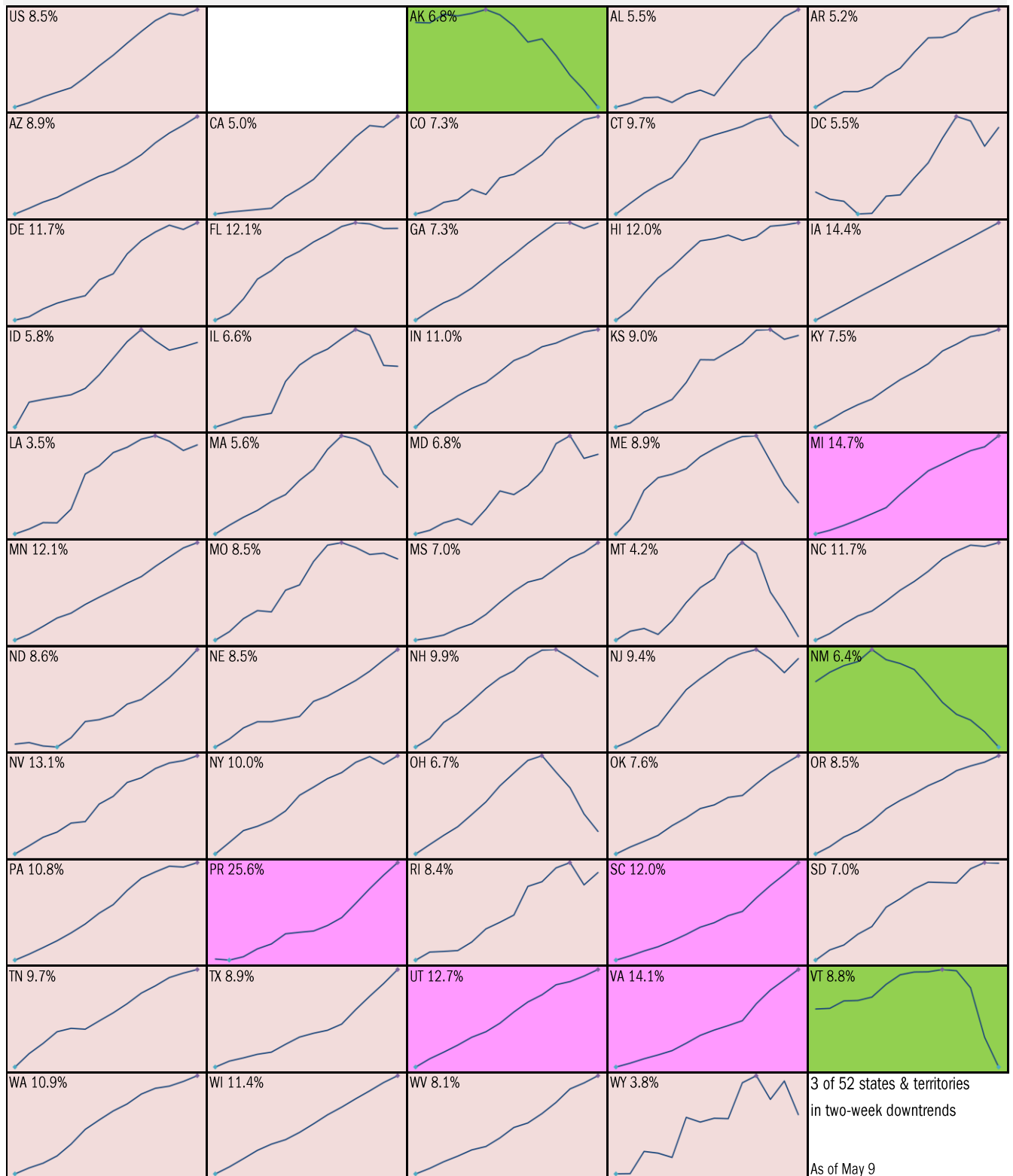


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

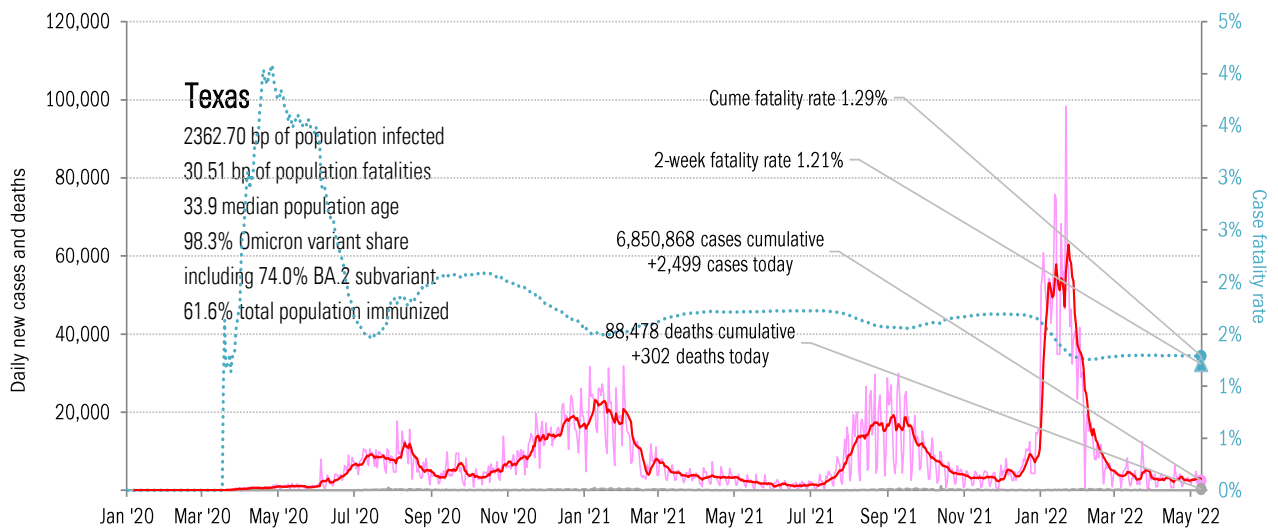
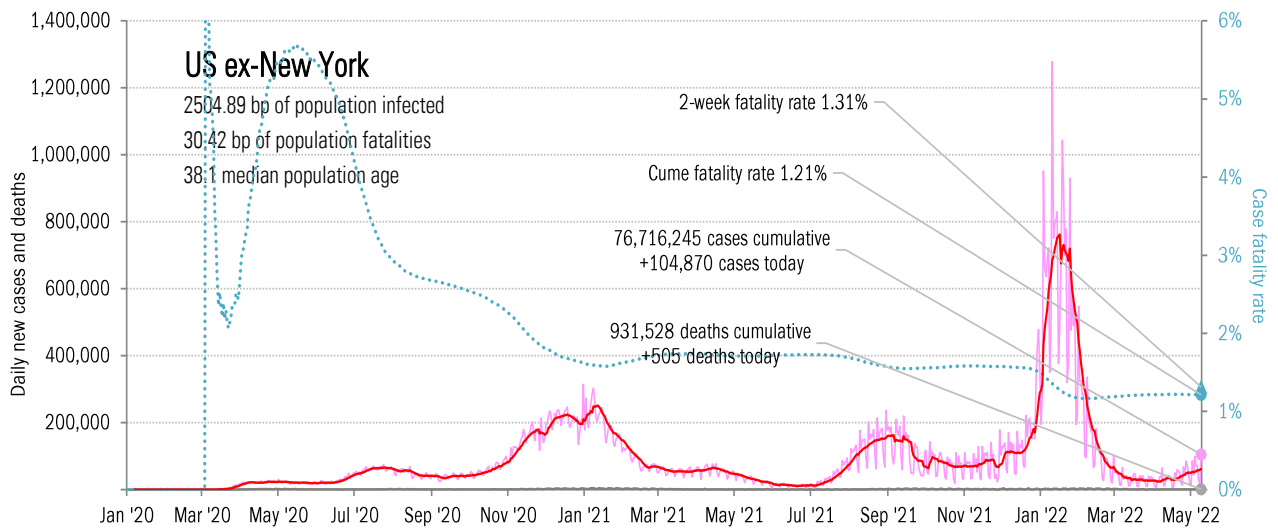
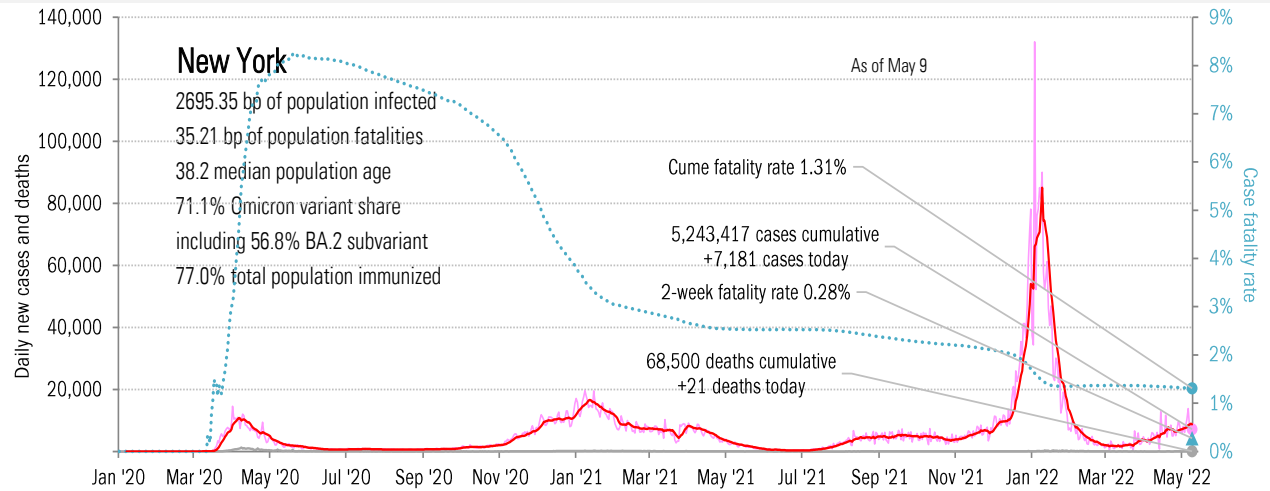
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](https://www.covidactnow.com/), TrendMacro calculations

From Ground Zero to the Rio Grande

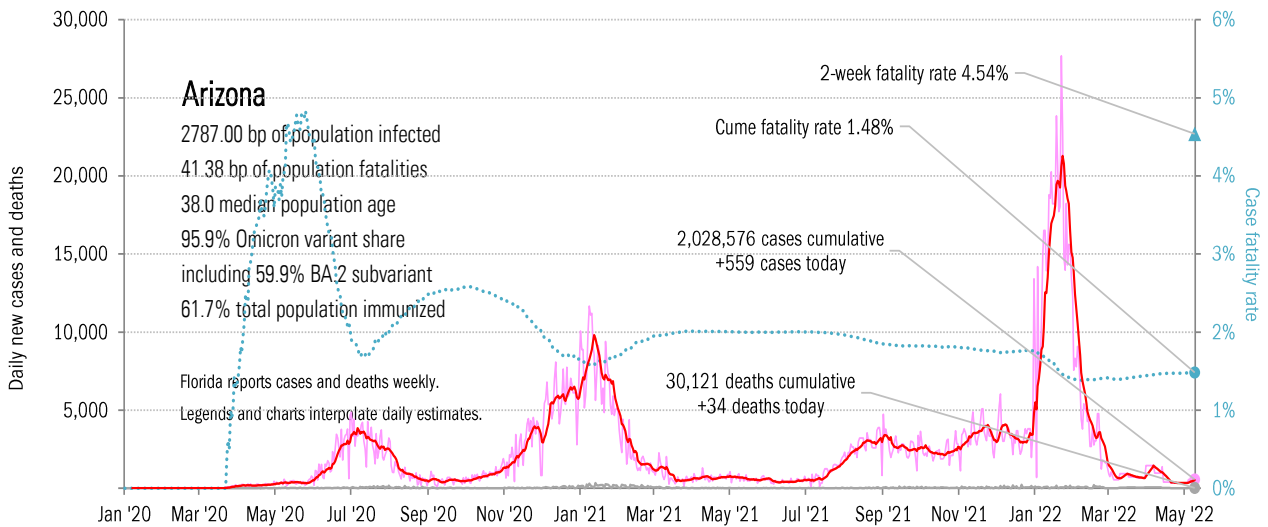
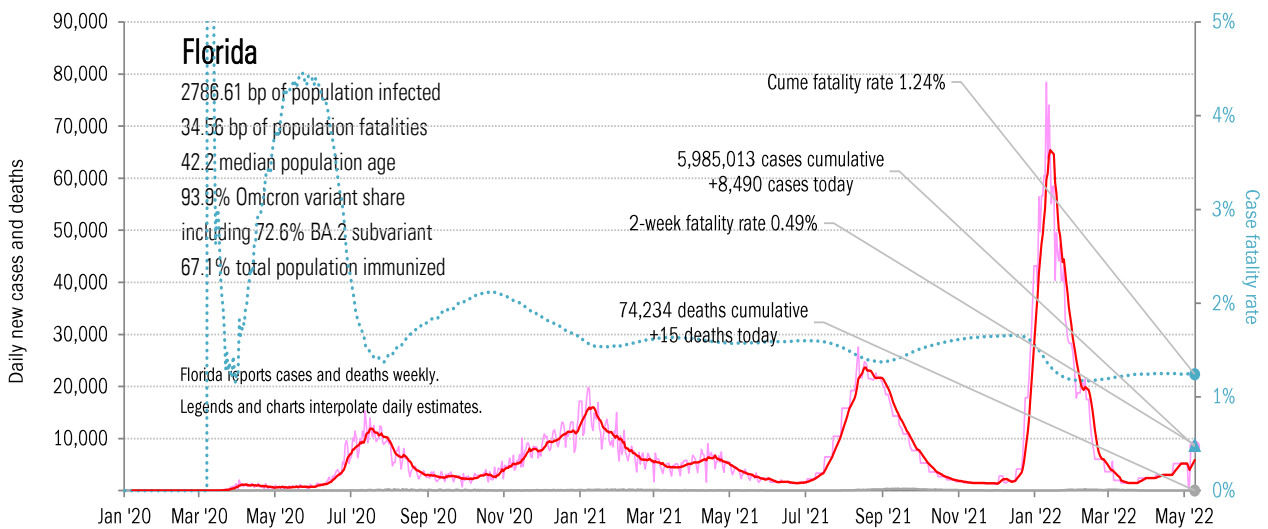
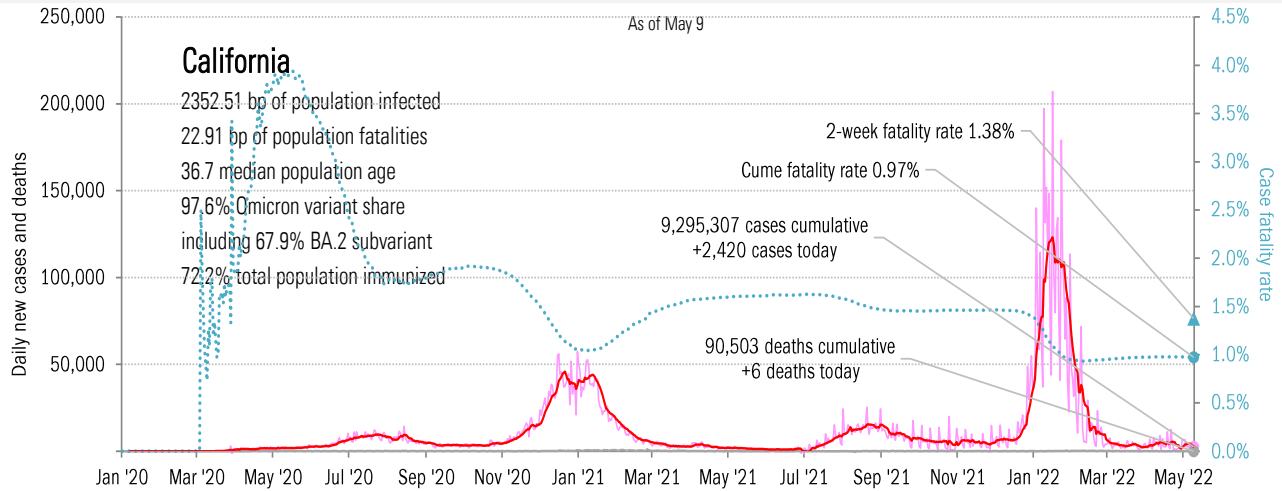
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

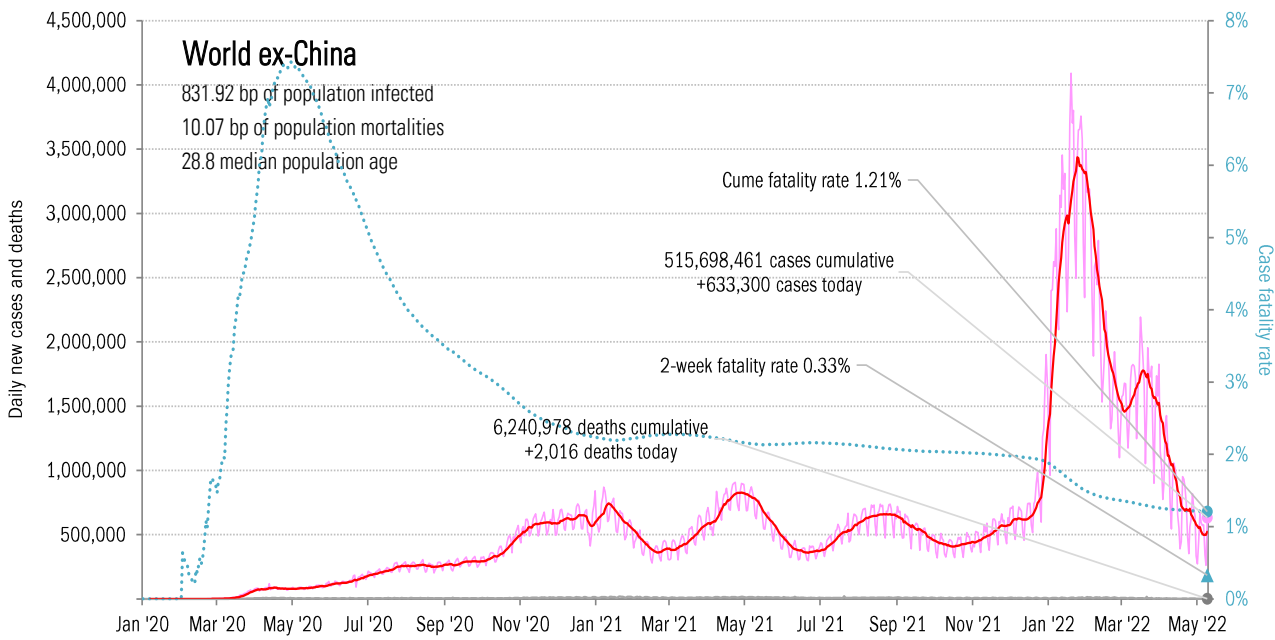
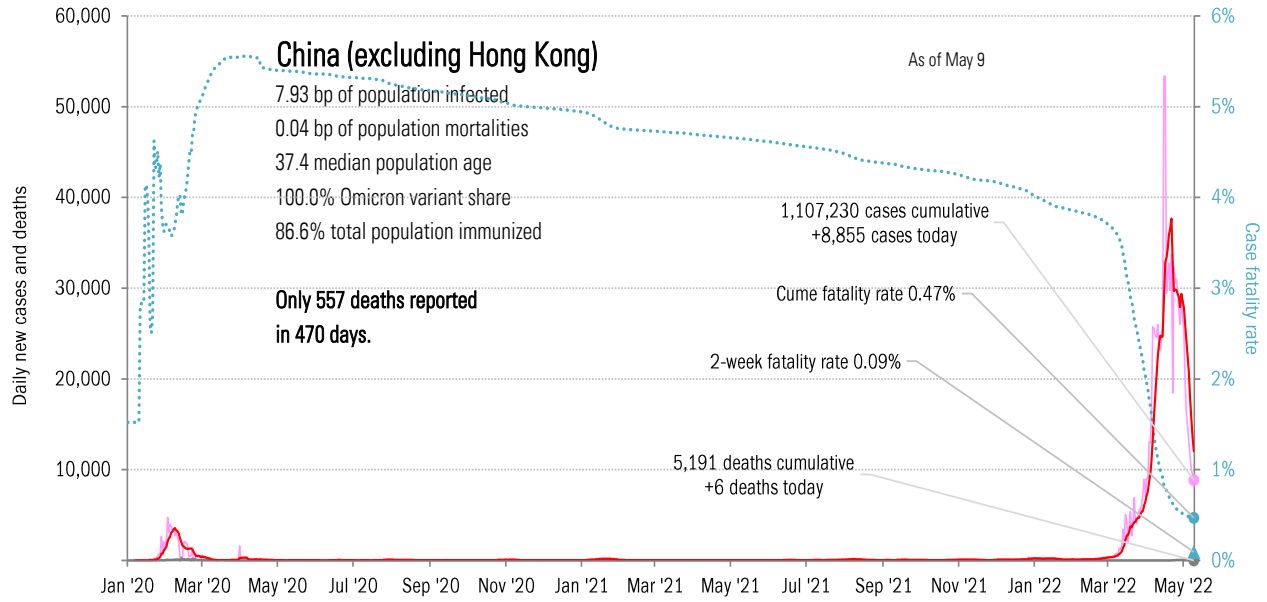
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

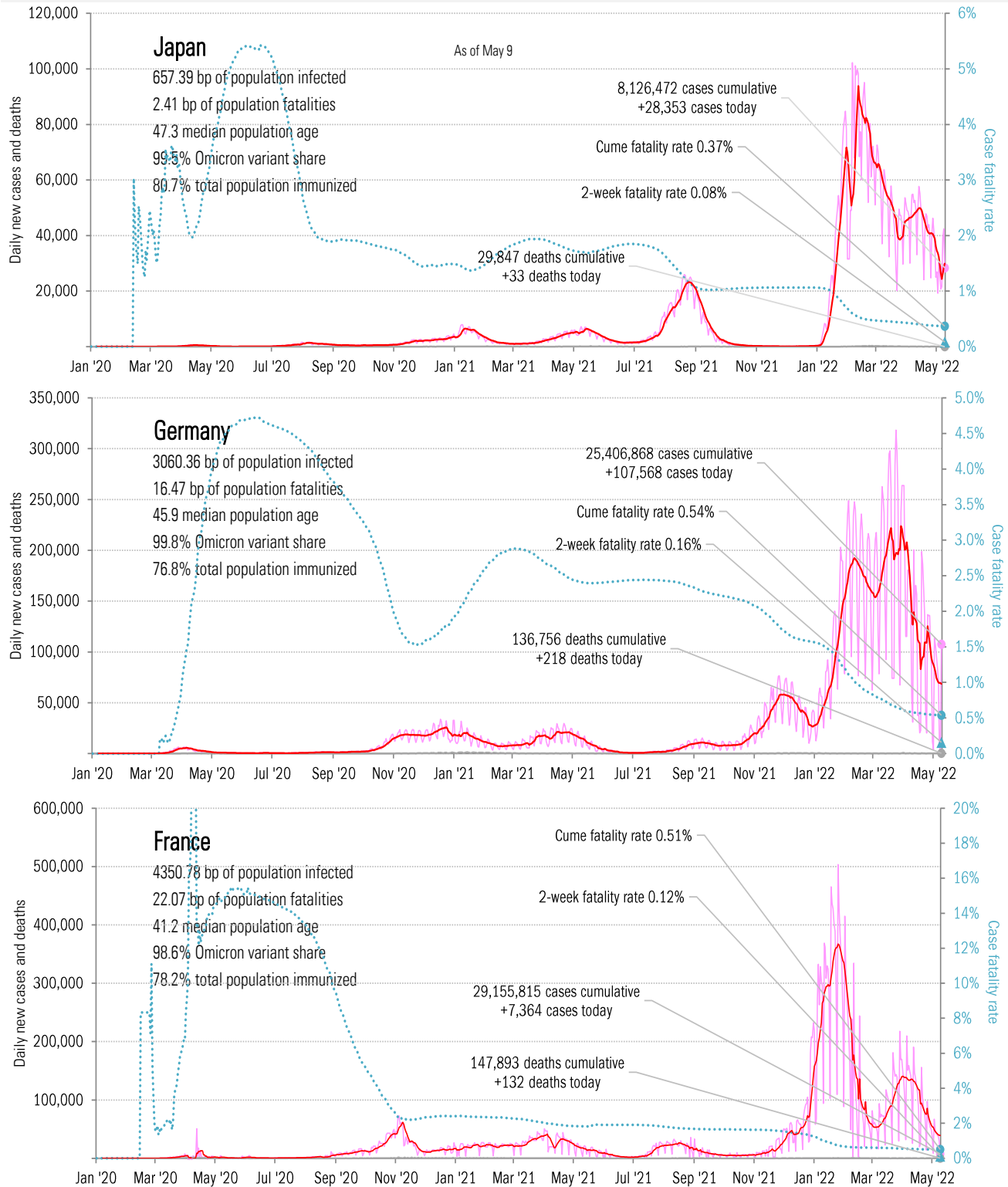
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

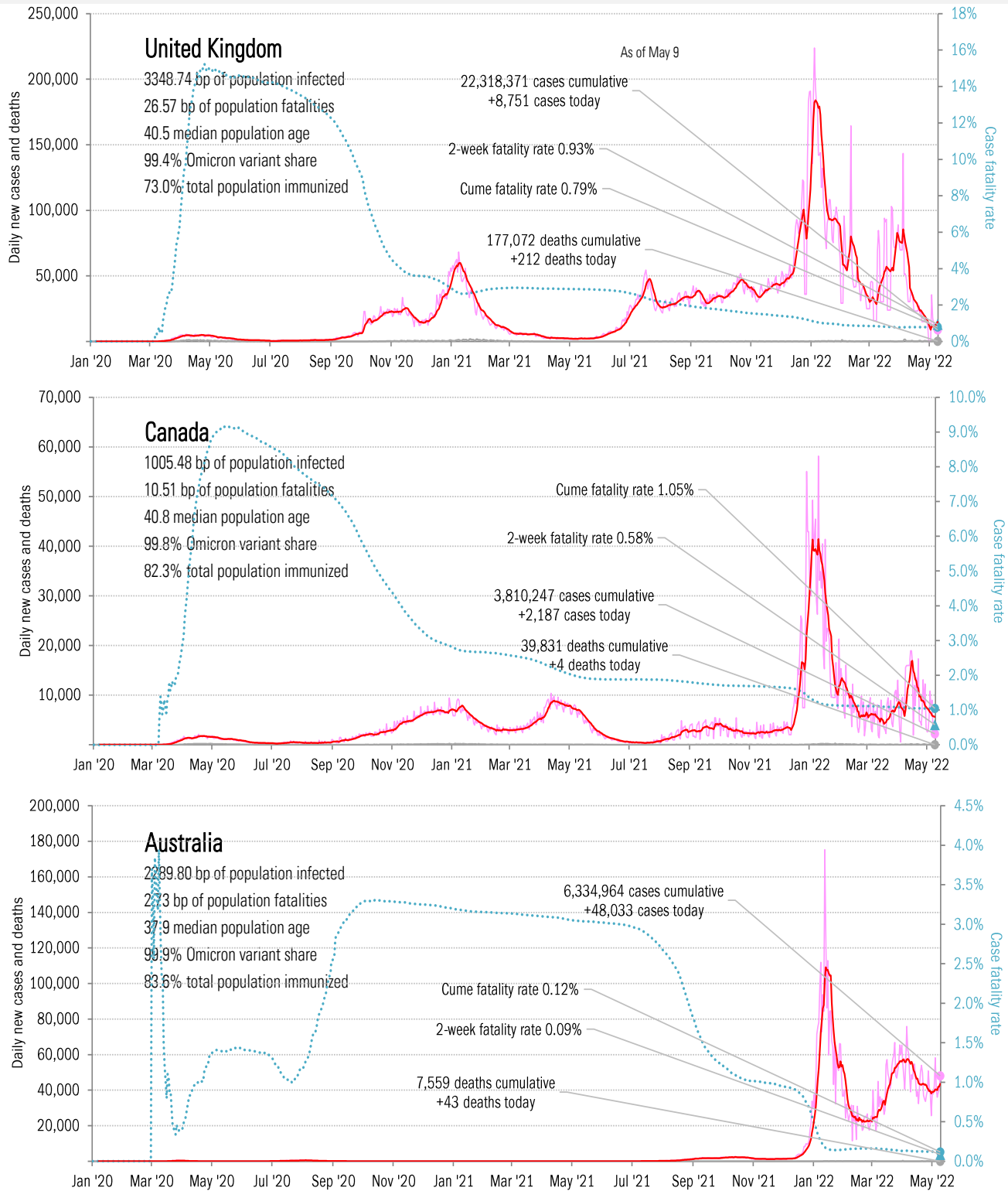
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

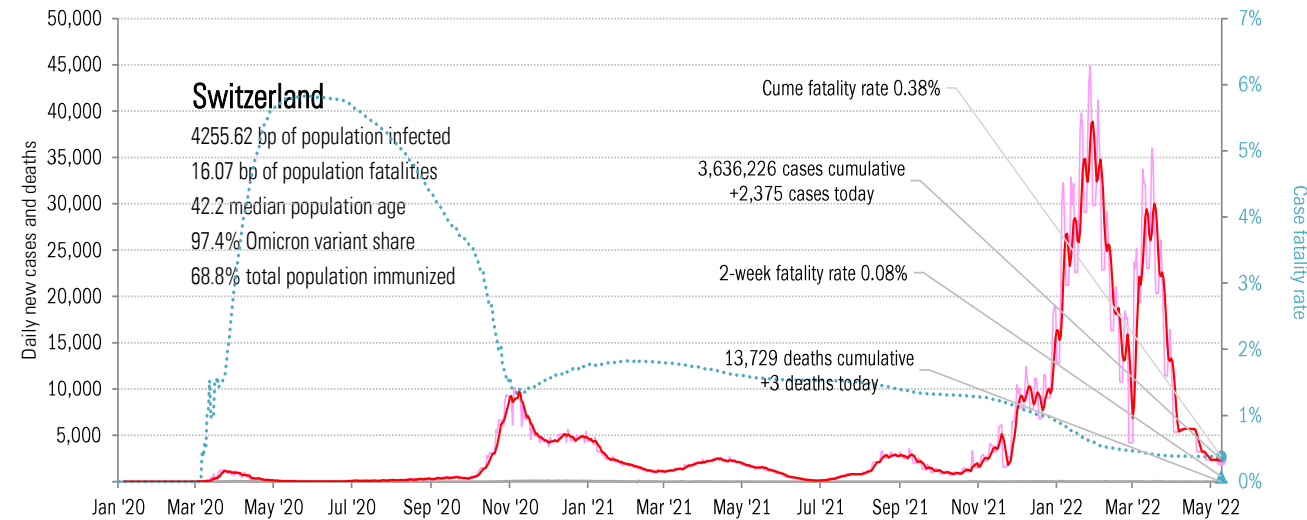
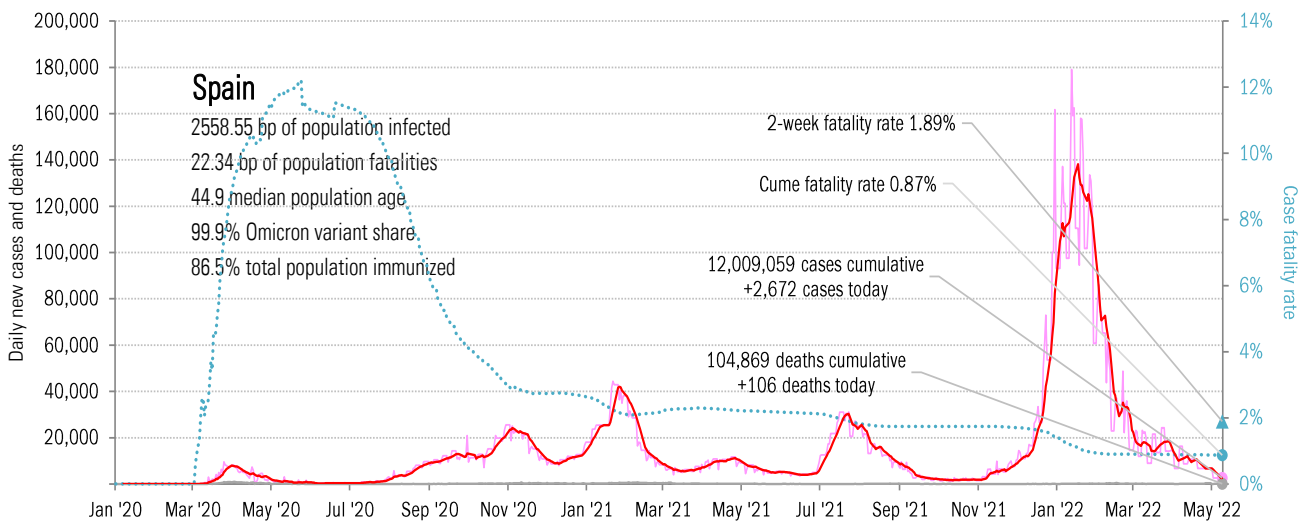
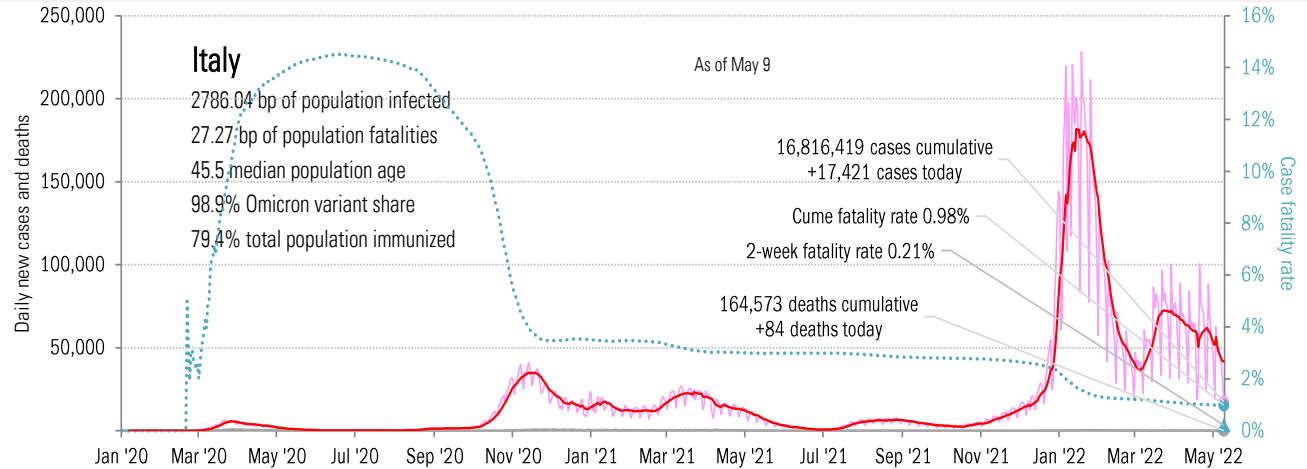
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

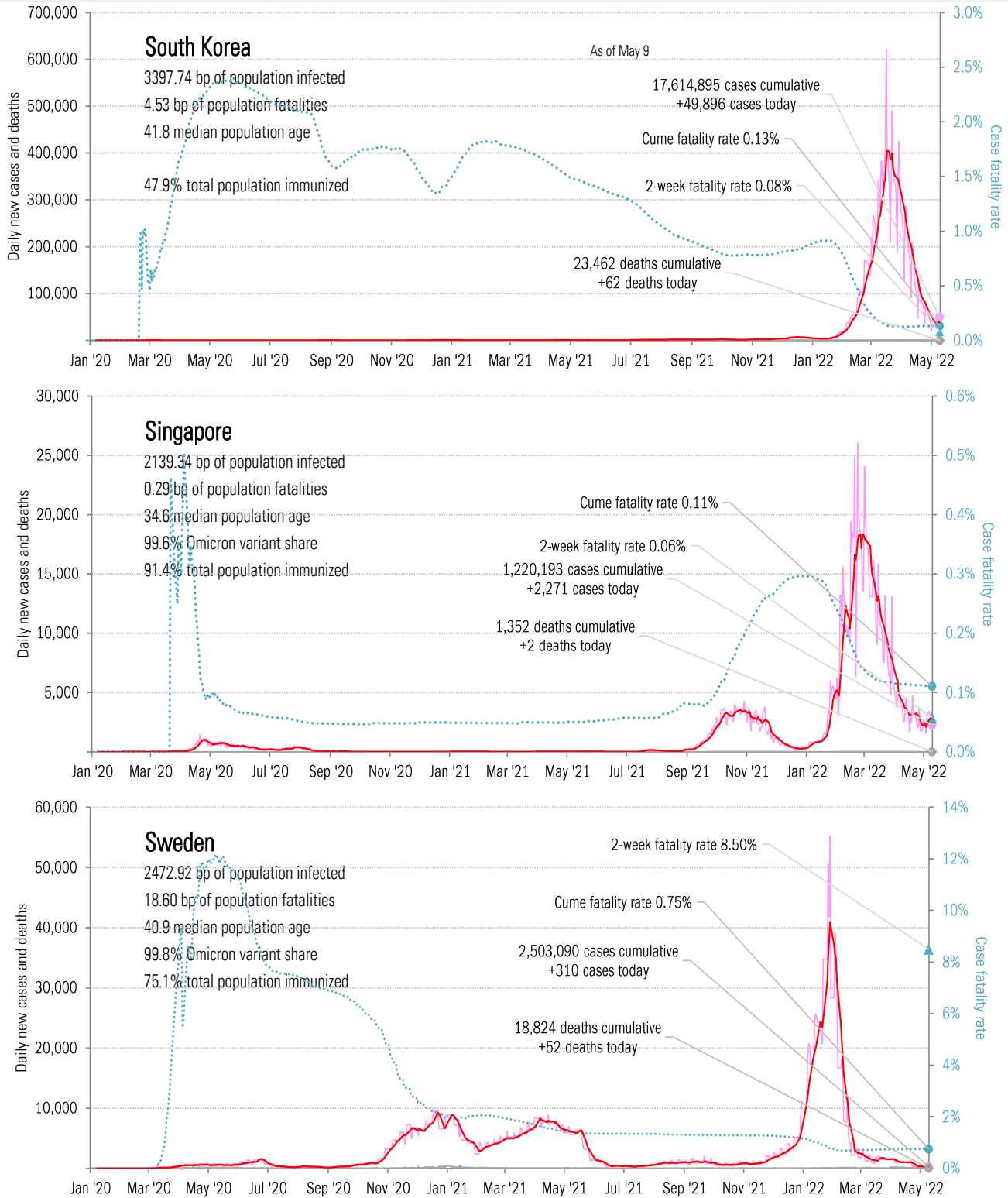
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

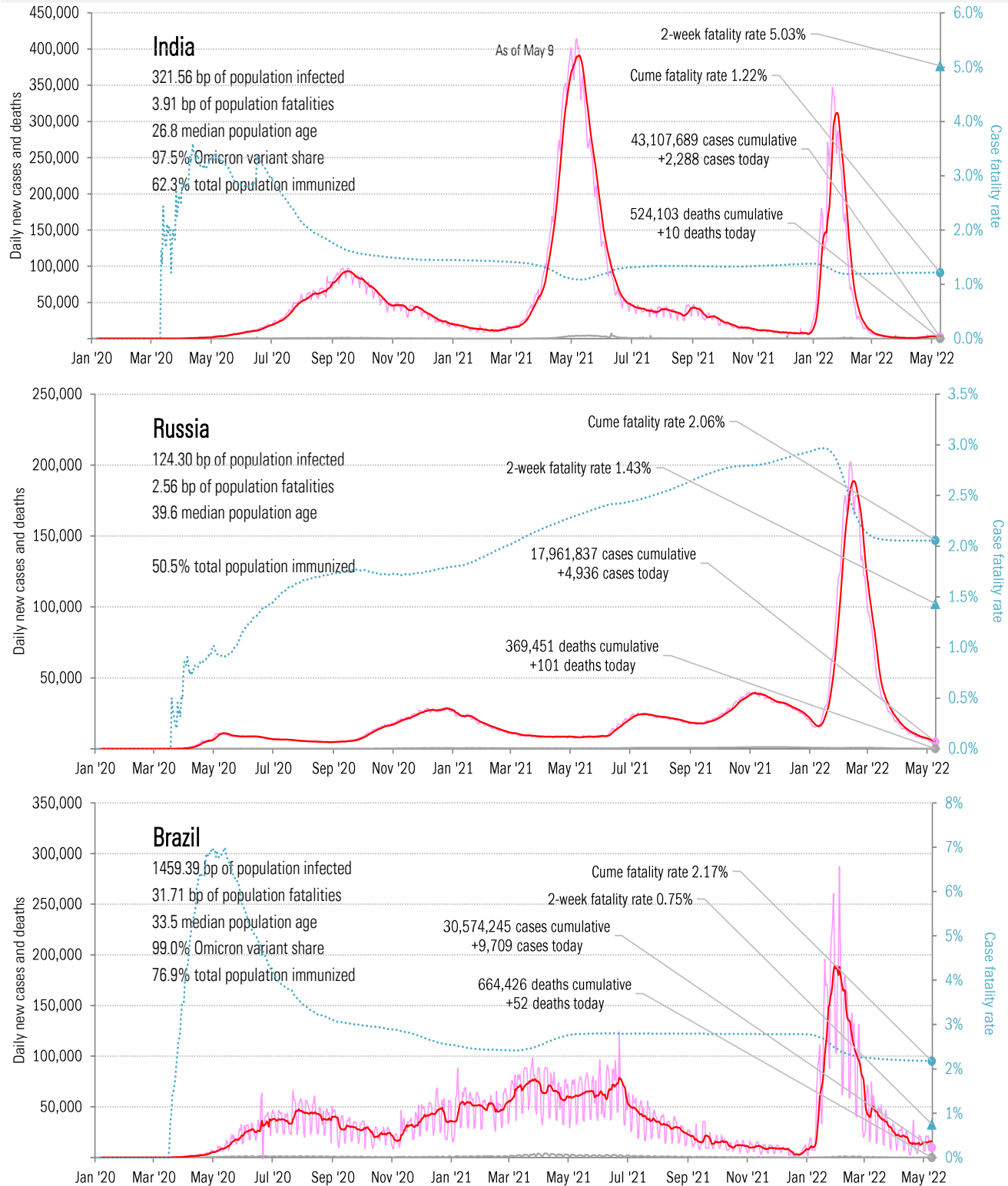
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

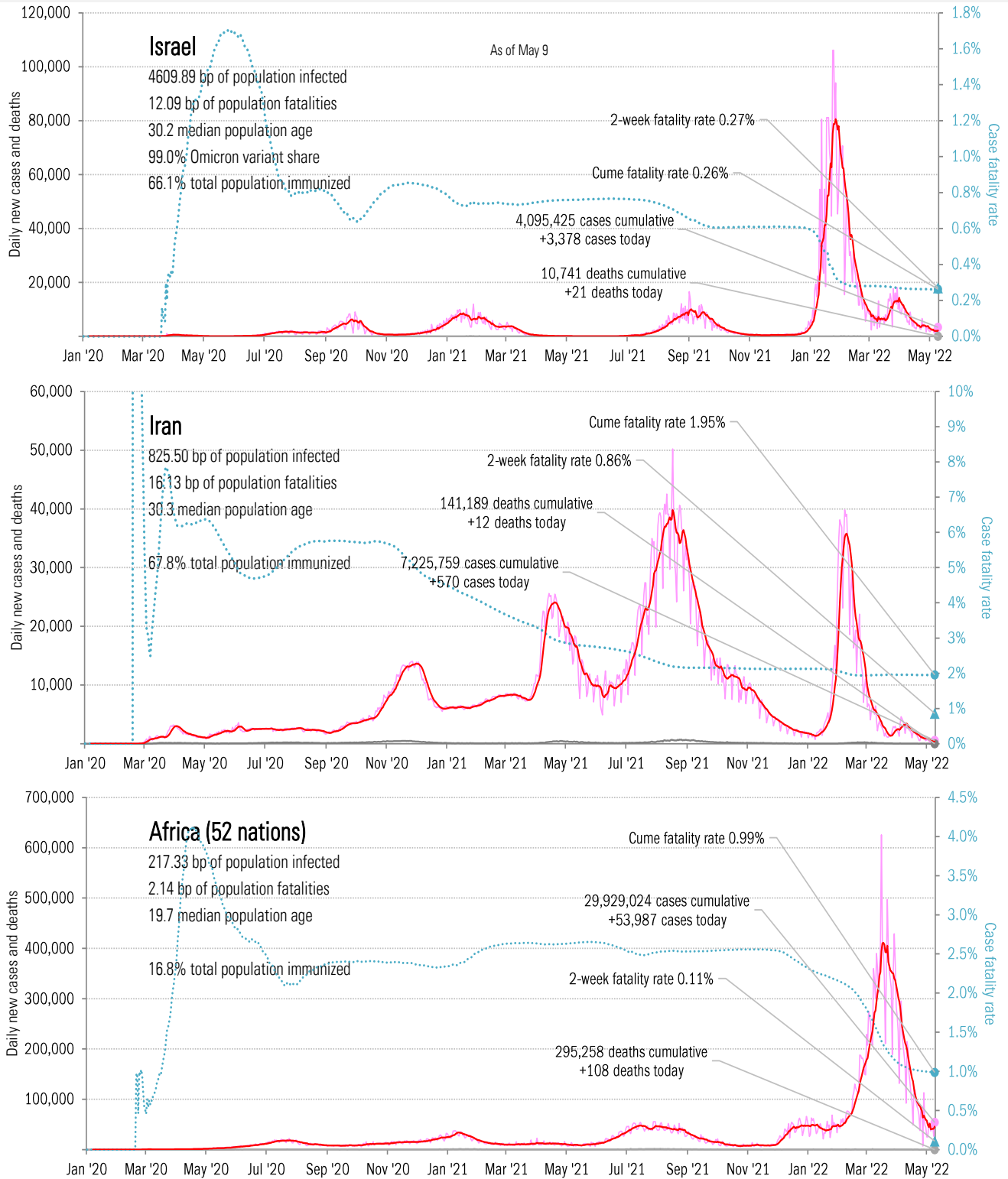
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

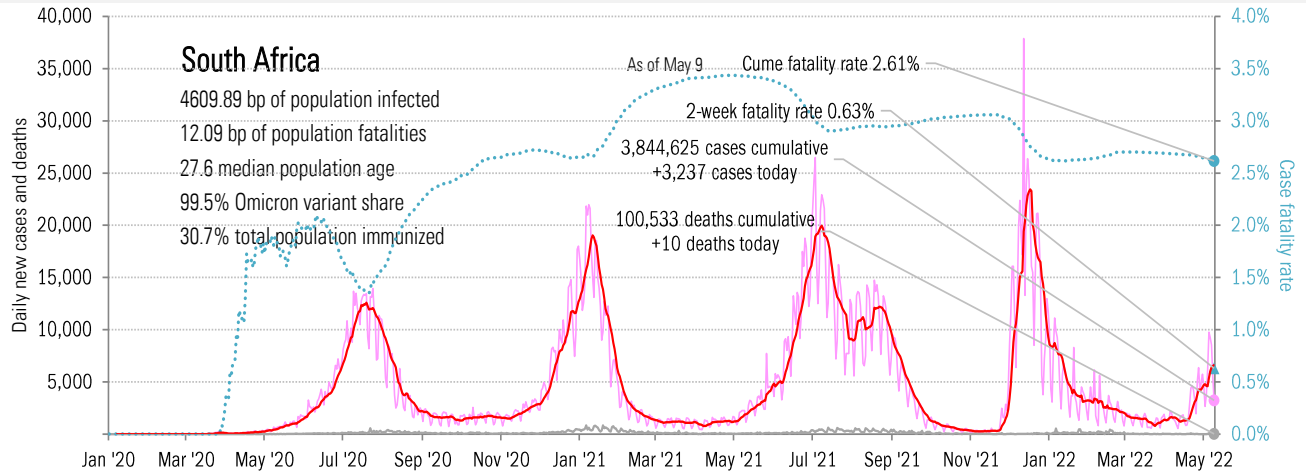
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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