

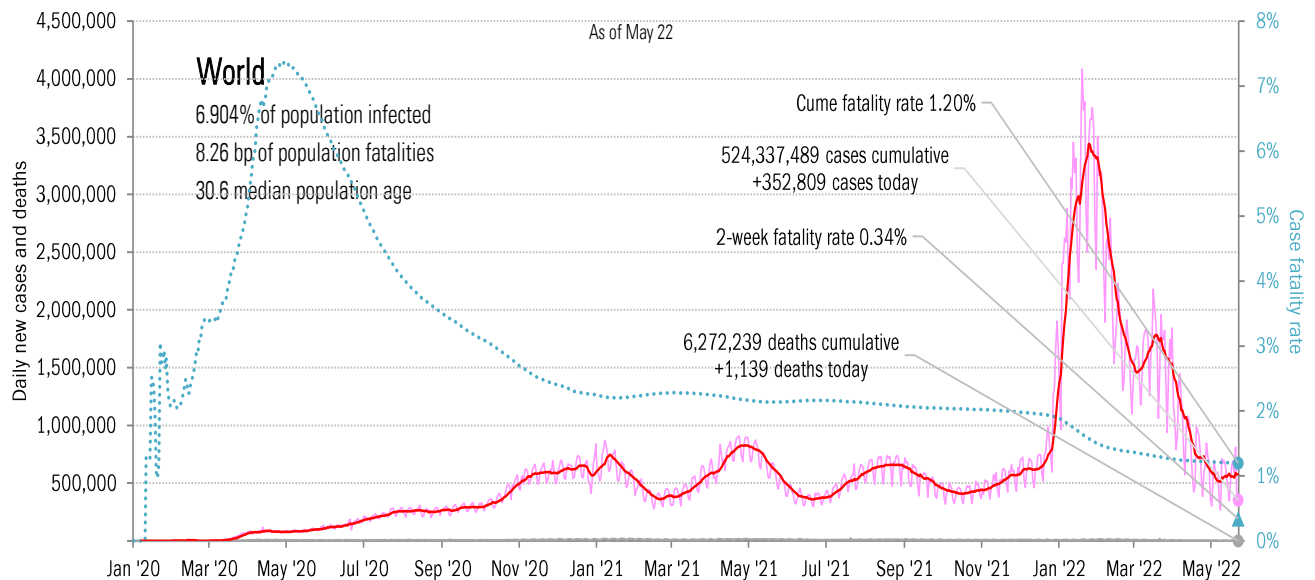
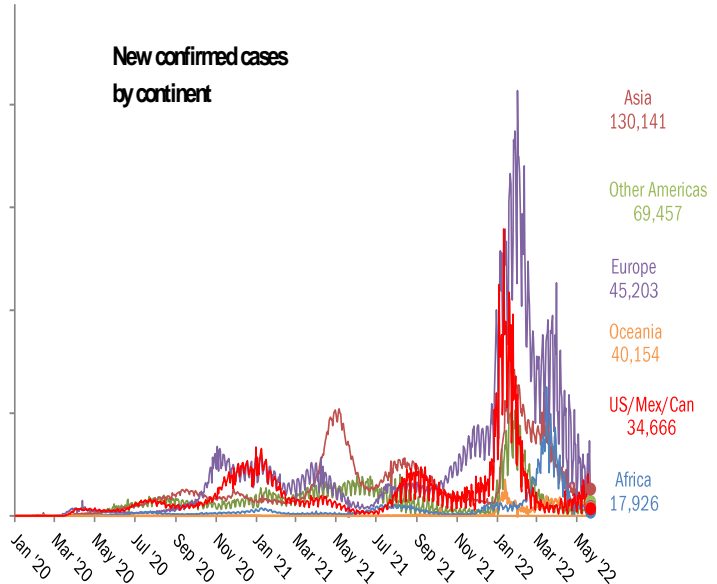
## Data Insights: Covid-2019 Monitor

Monday, May 23, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Taiwan*	79,474	United States	526
Argentina	43,487	Brazil	134
Australia	34,087	Russia	79
United States	33,571	Taiwan*	53
Japan	31,339	Argentina	49
Brazil	28,807	India	46
Italy	18,289	Italy	34
France	16,965	Thailand	29
Korea, South	9,975	Korea, South	22
Chile	6,143	Japan	18
<b>302,137</b>		<b>990</b>	
World	352,809	World	1,139
Top ten	86%	Top ten	87%



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

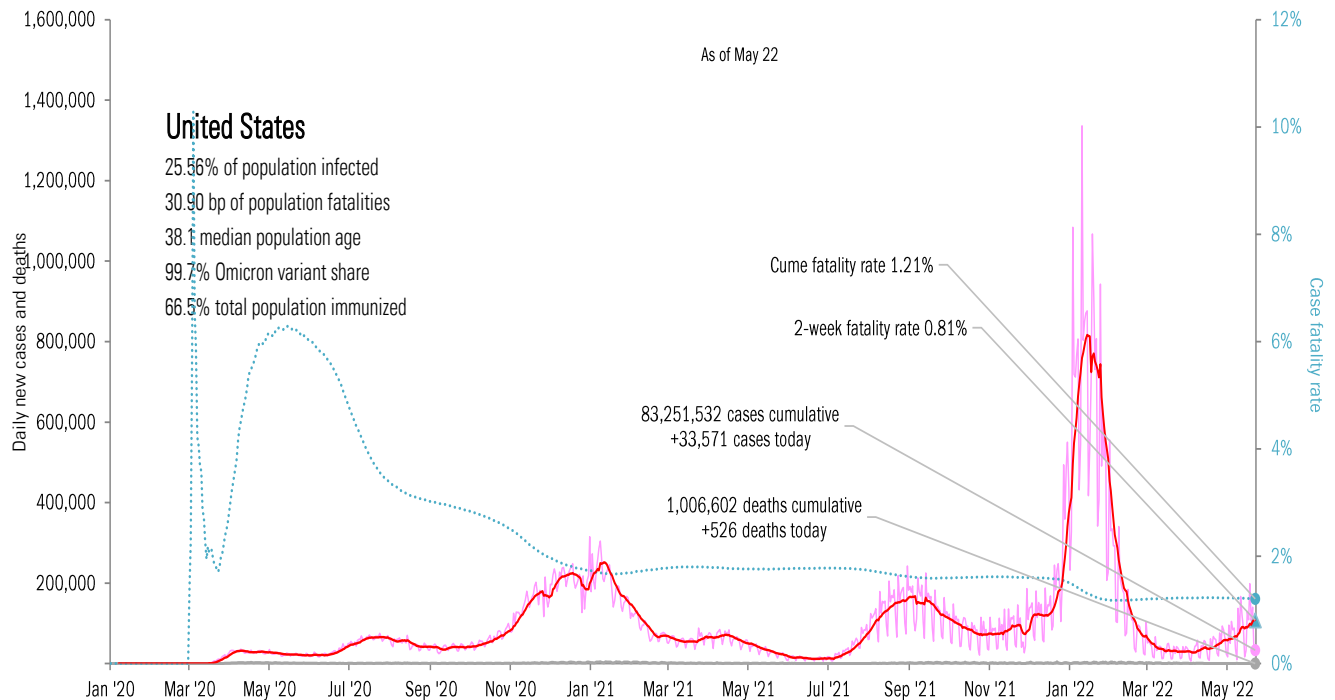
New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	14,233		FL	22		CA	342		CA	9,449,915		CA	91,044		TX	492,861		RI	92%	RI	87%
NY	6,166		NY	9		TX	160		TX	6,901,486		TX	88,310		CA	432,046		MA	87%	AK	83%
FR	4,323		AR	7		PA	198		FL	6,070,345		FL	74,469		FL	422,518		MN	85%	MA	82%
NJ						MI	171		NY	5,368,965		NY	68,805		NY	259,639		MD	85%	TX	81%
TX						VA	98		IL	3,249,534		PA	44,898		GA	208,865		WA	83%	NM	81%
AZ						FL	304		PA	2,877,660		CH	38,590		CH	194,284		GA	83%	NH	81%
KY						GA	97		CH	2,743,577		GA	38,157		PA	180,487		NH	82%	AL	80%
AR	146		AL	0		CH	143		NC	2,715,798		MI	36,218		IL	161,611		WV	82%	WA	80%
AK	0		AS	0		MA	146		GA	2,541,713		IL	36,194		MI	145,480		DC	82%	VT	79%
AL	0		CA	0		MO	58		MI	2,501,863		NJ	33,610		KY	133,809		MO	81%	NC	78%
33,786			53			1,717			44,420,856			550,295			2,631,600						
All states	33,571		526		3,617		All states	83,251,532		1,006,602		4,778,745		All states	70%		67%				
Top ten	101%		10%		47%		Top ten	53%		55%		55%		Median	75%		73%				

US state case and fatality data distorted today due to revisions.

Some states not reporting

## Five most improved US states

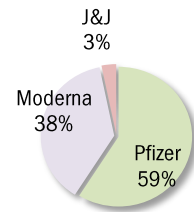
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NJ	-1,341	FL	-95	NJ	-48	AZ	+10 bp
NY	-1,009	NY	-10	IL	-38	KS	+10 bp
OK	-857	NJ	-7	FR	-29	MD	+10 bp
ME	-791	ME	-5	AZ	-27	ME	+10 bp
FR	-680	FR	-4	MD	-24	MT	+10 bp



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	599,704,355		+0.151 million		US	66.5%	77.8%	
Boosters	44,789,362		+0.010 million		UK	73.1%	78.2%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%	80.7%
Total population	265,974,411	80%	227,240,253	68%	+0.019 million	Spain	86.6%	88.2%
Age 12 to 17	17,765,422	70%	15,217,844	60%	+0.001 million	Germany	76.9%	76.9%
Age 18 to 64	178,731,052	88%	152,061,320	75%	+0.010 million	Italy	79.4%	84.1%
Age 65 and over	59,053,808	100%	51,537,199	94%	+0.006 million	Australia	83.7%	86.5%
						Israel	66.1%	72.2%
						Canada	82.4%	86.4%
						Japan	80.9%	82.1%
						Africa	17.1%	22.4%
						India	63.3%	72.5%
						Brazil	77.4%	85.6%
						China	86.7%	89.1%



**State**

At least partial immunity as % population

Full immunity as % population

**Best**

**Middle**

**Worst**

<b>AK</b>
69.9%
62.6%

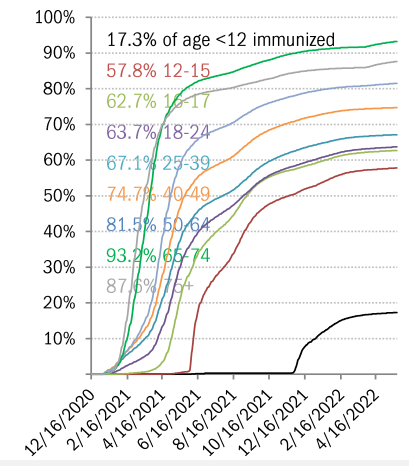
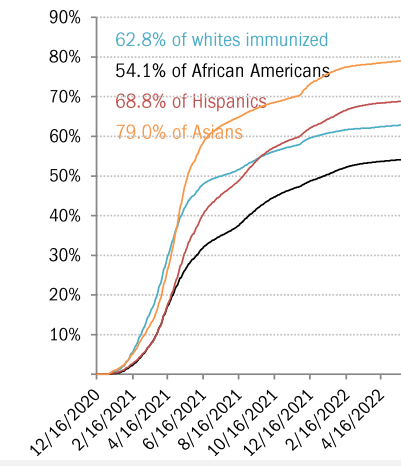
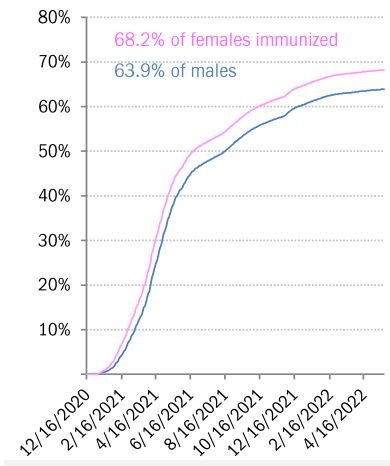
<b>WI</b>
72.0%
65.8%

<b>ME</b>
91.0%
80.0%

<b>WA</b> 81.1% 72.8%	<b>ID</b> 61.8% 55.5%	<b>MT</b> 65.5% 57.0%	<b>ND</b> 65.8% 55.8%	<b>MN</b> 75.3% 69.4%	<b>IL</b> 76.3% 68.9%	<b>MI</b> 67.2% 60.4%		<b>NY</b> 90.5% 77.3%	<b>VT</b> 93.9% 81.5%	<b>NH</b> 88.7% 70.9%
<b>OR</b> 78.1% 69.9%	<b>NV</b> 75.6% 61.1%	<b>WY</b> 58.2% 51.1%	<b>SD</b> 77.0% 61.9%	<b>IA</b> 68.1% 62.1%	<b>IN</b> 61.6% 55.0%	<b>OH</b> 63.8% 58.9%	<b>PA</b> 85.3% 68.9%	<b>NJ</b> 90.8% 76.0%	<b>MA</b> 95.0% 79.4%	
<b>CA</b> 82.4% 72.5%	<b>UT</b> 72.3% 64.5%	<b>CO</b> 79.6% 70.5%	<b>NE</b> 70.4% 63.7%	<b>MO</b> 66.4% 56.3%	<b>KY</b> 66.3% 57.6%	<b>WV</b> 65.2% 57.8%	<b>VA</b> 86.1% 73.6%	<b>MD</b> 86.8% 76.0%	<b>CT</b> 95.0% 79.6%	<b>RI</b> 95.0% 83.0%
	<b>AZ</b> 73.4% 61.9%	<b>NM</b> 88.2% 71.5%	<b>KS</b> 74.8% 61.8%	<b>AR</b> 67.0% 54.7%	<b>TN</b> 62.4% 54.7%	<b>NC</b> 84.8% 61.7%	<b>SC</b> 67.9% 57.3%	<b>DC</b> 95.0% 78.2%	<b>DE</b> 83.5% 69.5%	
			<b>OK</b> 71.4% 57.5%	<b>LA</b> 61.2% 53.7%	<b>MS</b> 59.8% 52.0%	<b>AL</b> 62.9% 51.3%	<b>GA</b> 65.6% 55.0%			
			<b>TX</b> 73.6% 61.8%					<b>FL</b> 79.6% 67.2%		<b>PR</b> 95.0% 83.3%

<b>HI</b>
87.7%
78.5%

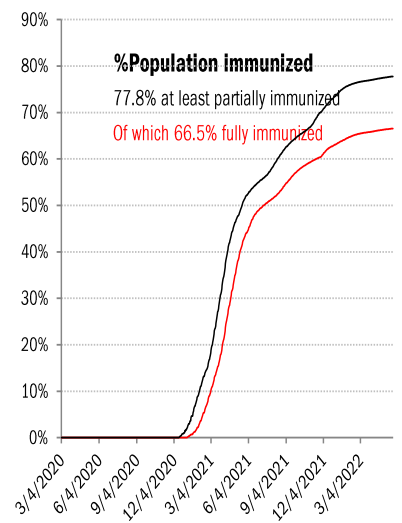
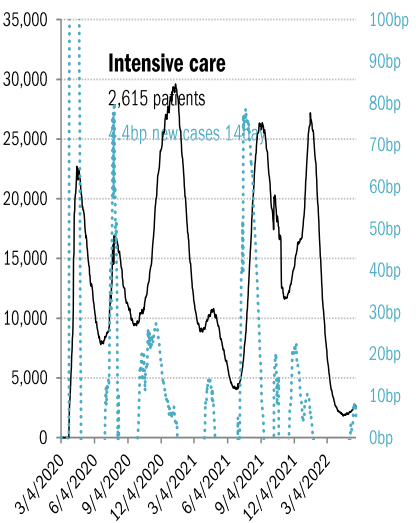
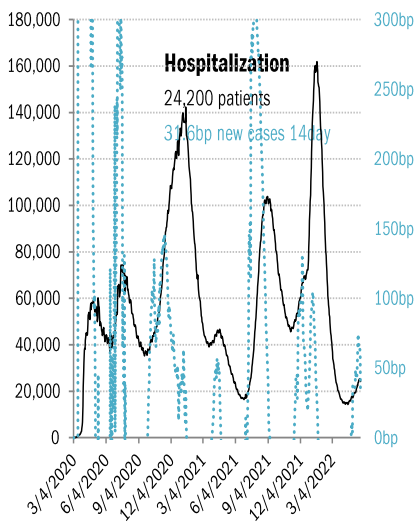
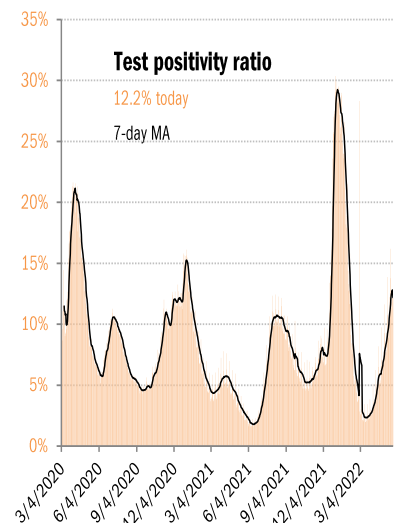
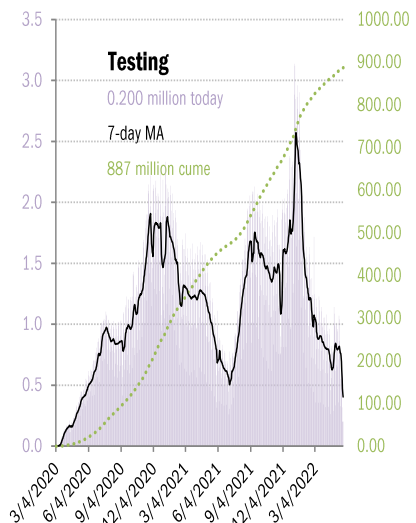
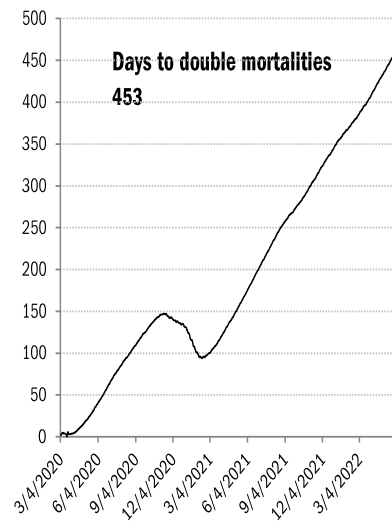
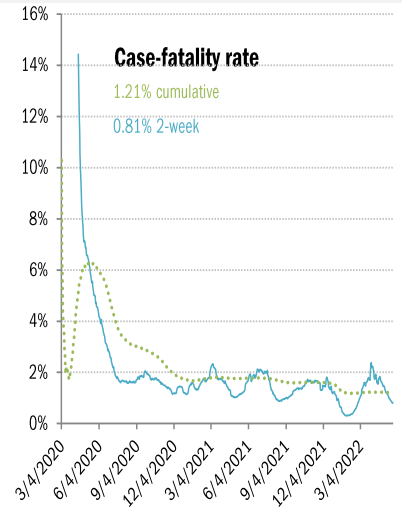
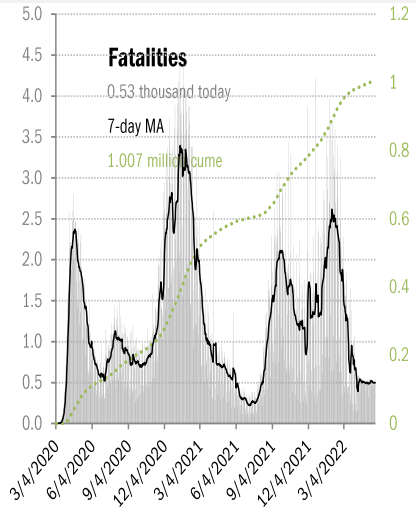
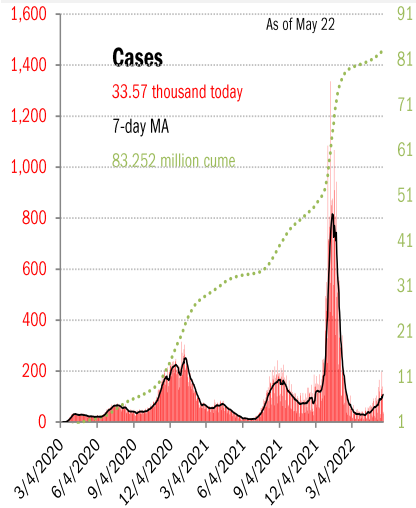
## The demographics of US vaccination



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

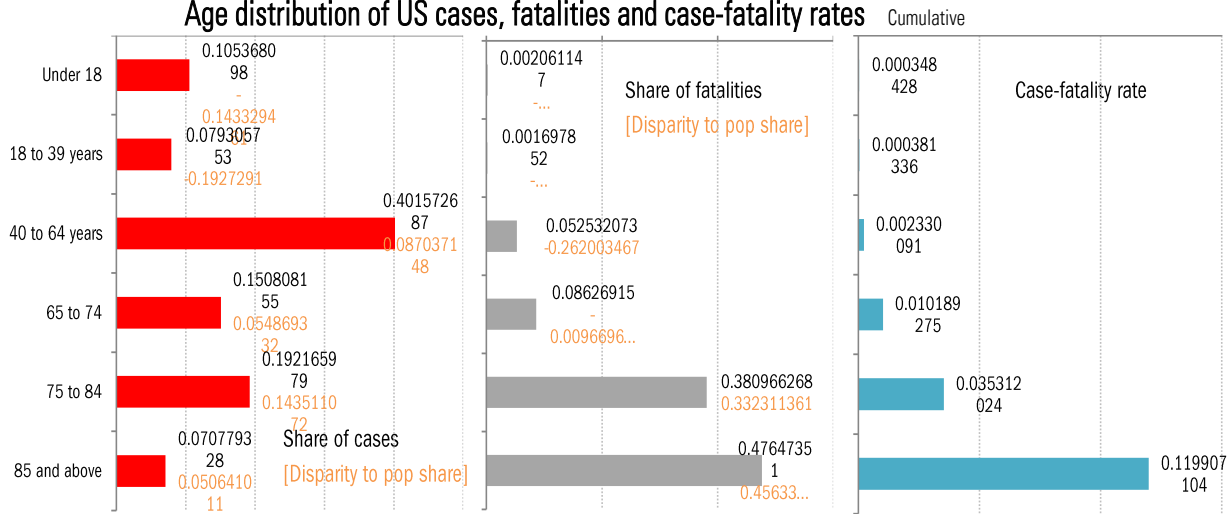
# US deep-dive

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

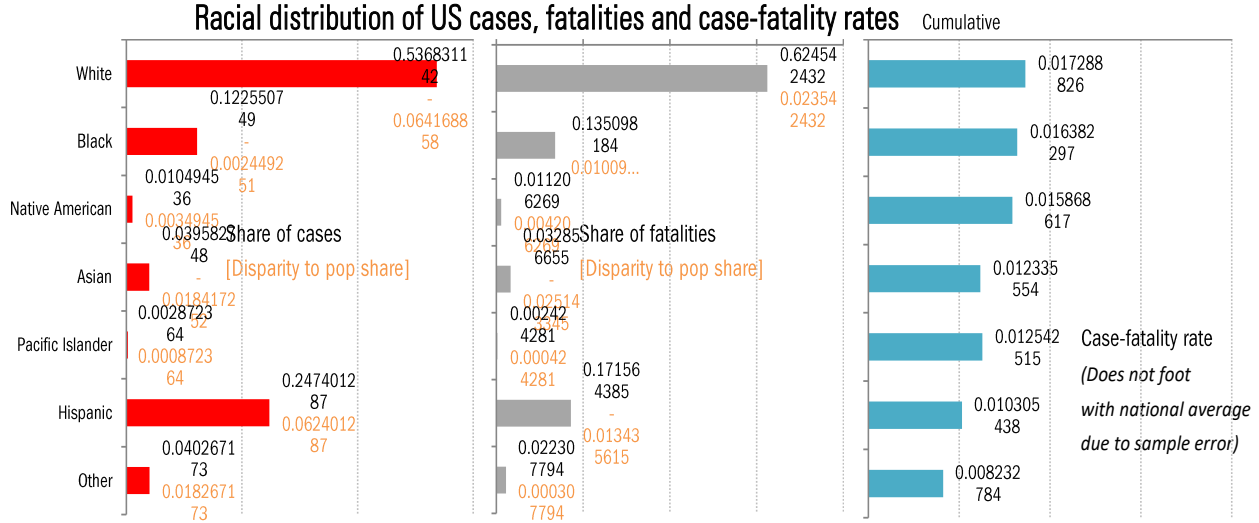


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

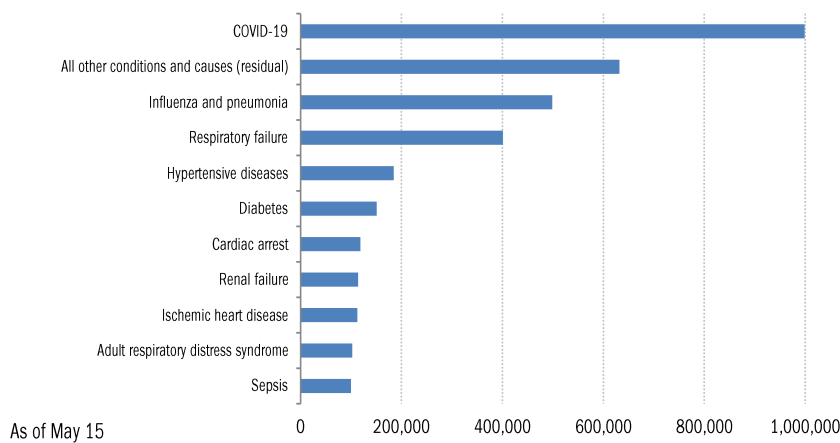


Racial distribution of US cases, fatalities and case-fatality rates



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

[Apple Looks to Boost Production Outside China](#)

Yang Jie

*Wall Street Journal*

May 21, 2022

[Shanghai makes way towards COVID lockdown exit,  
Beijing plays defence](#)

By Eduardo Baptista and Laura Lin

*Reuters*

May 21, 2022

[Beijing Sees Most Cases of Outbreak, Fueling  
Lockdown Angst](#)

*Bloomberg*

May 22, 2022

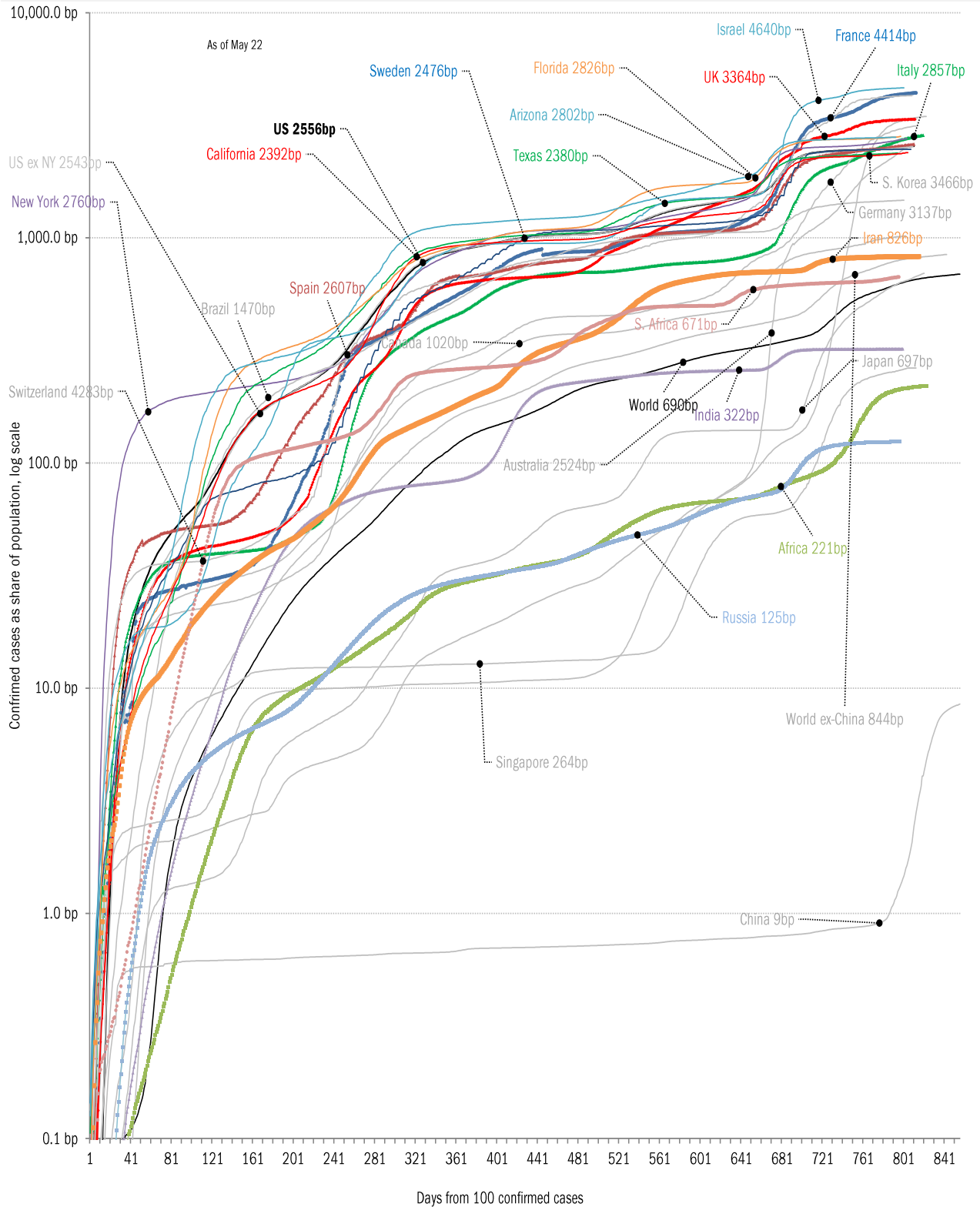
## Meme of the day

I can't believe it's  
'MonkeyPox' season  
already.

I still have my Ukraine  
decorations up.

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

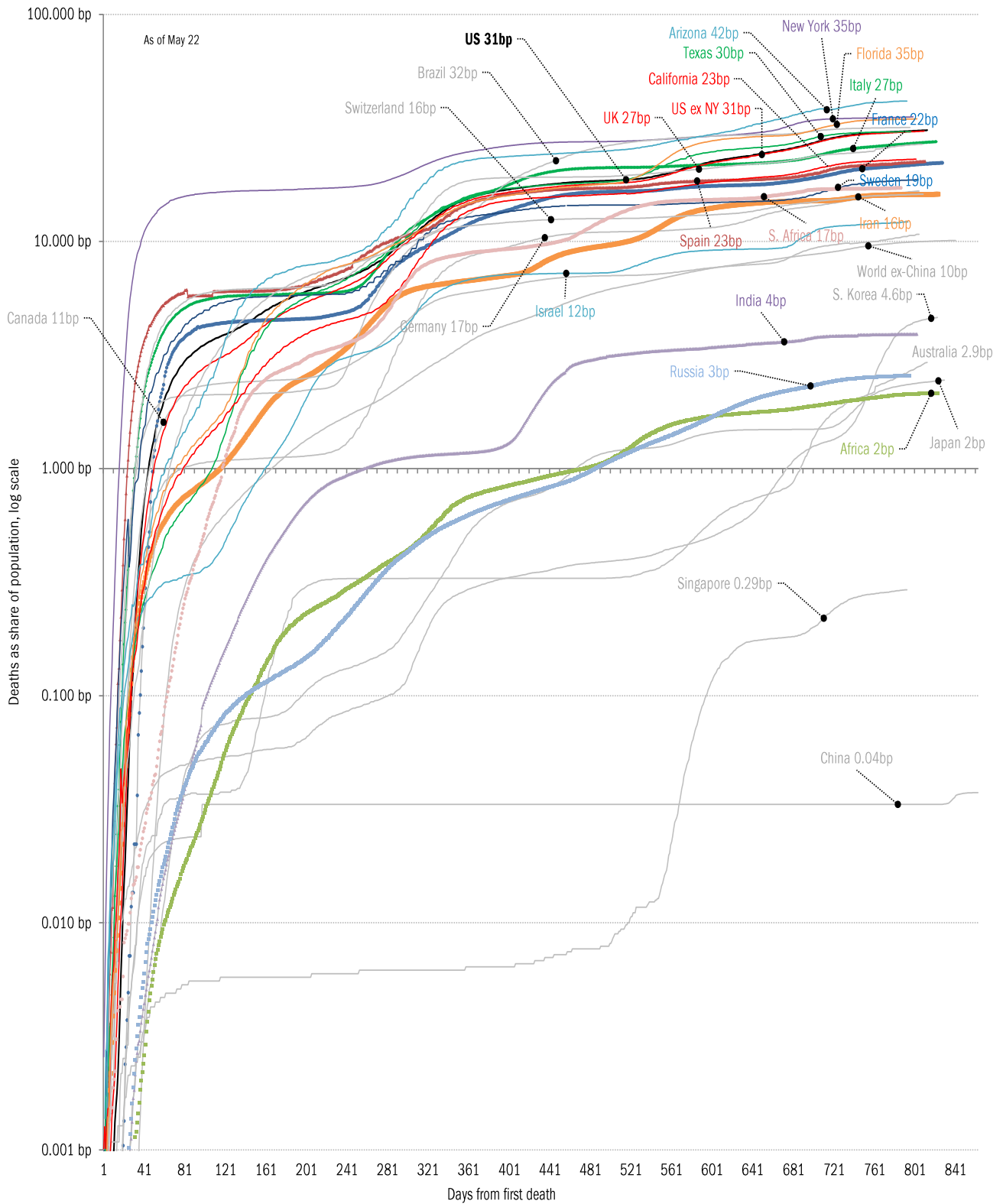
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



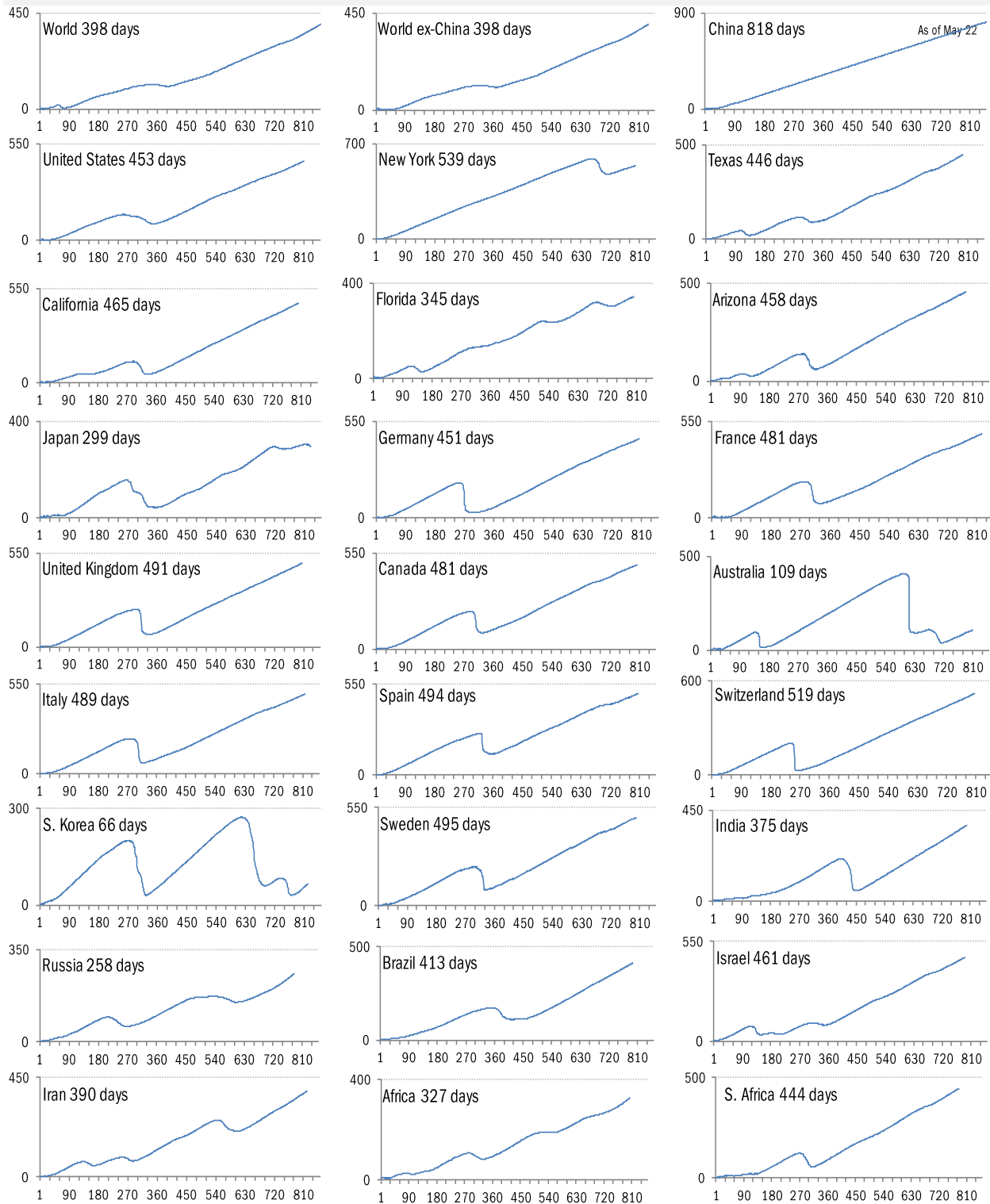
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

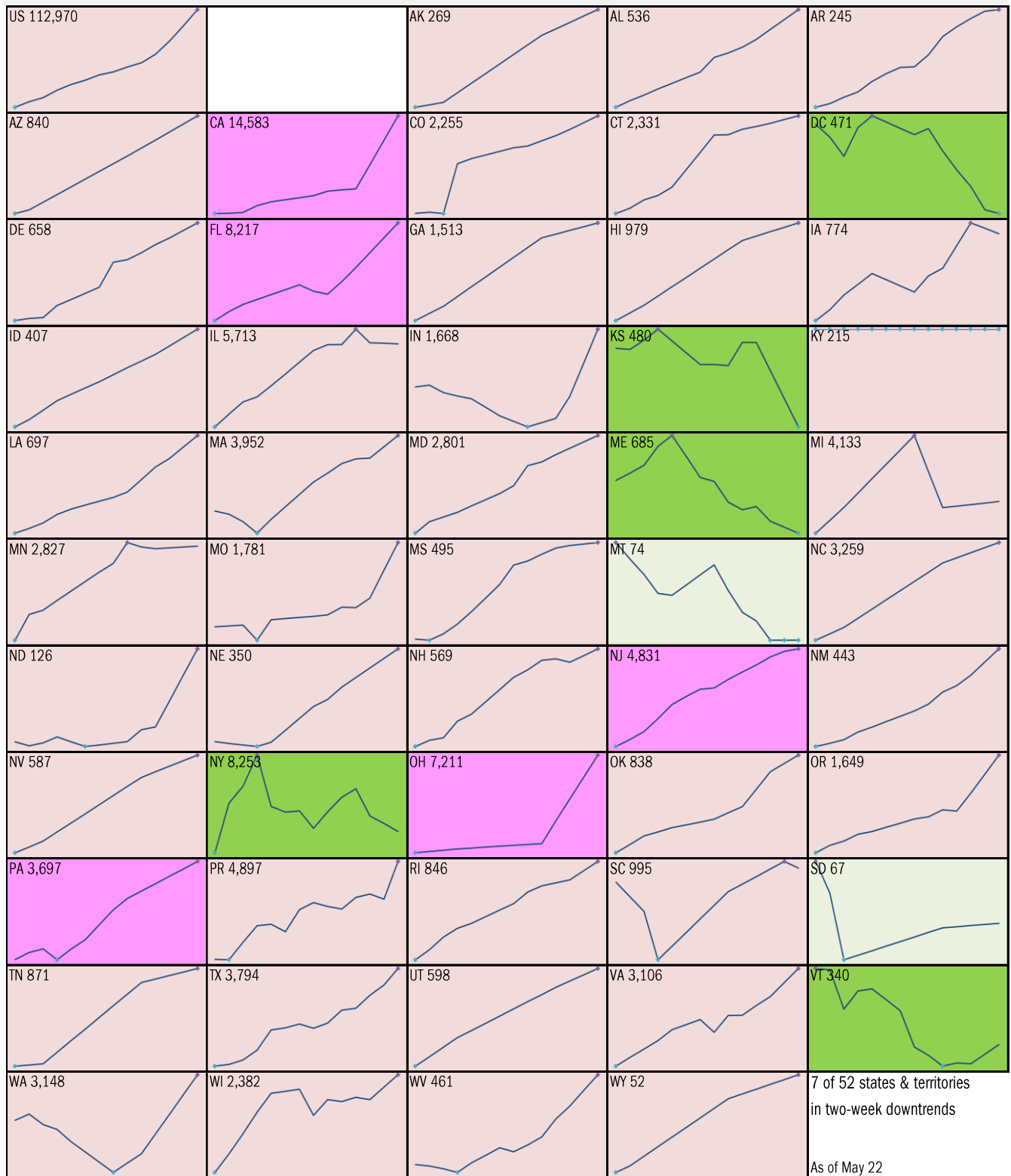


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

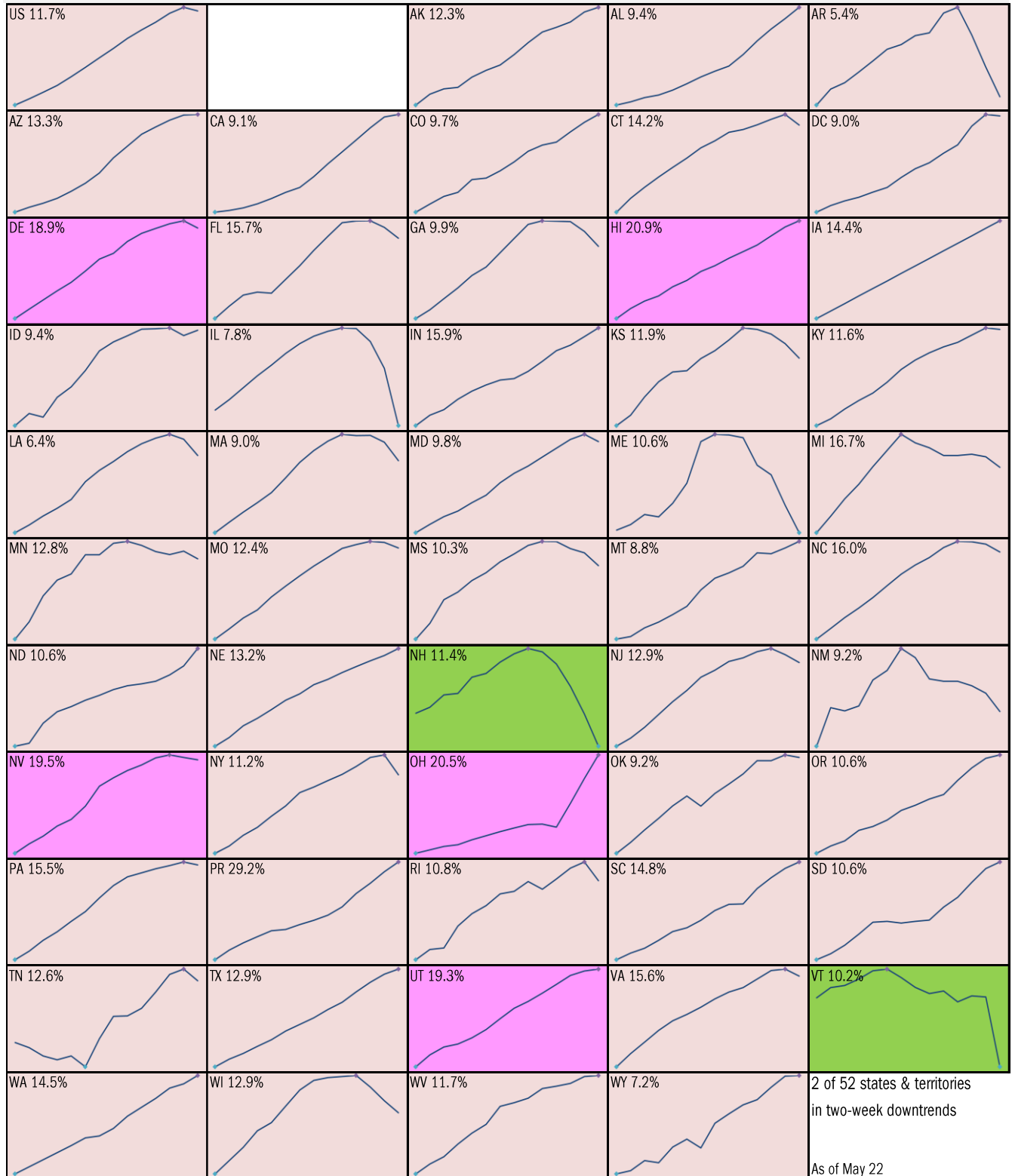


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

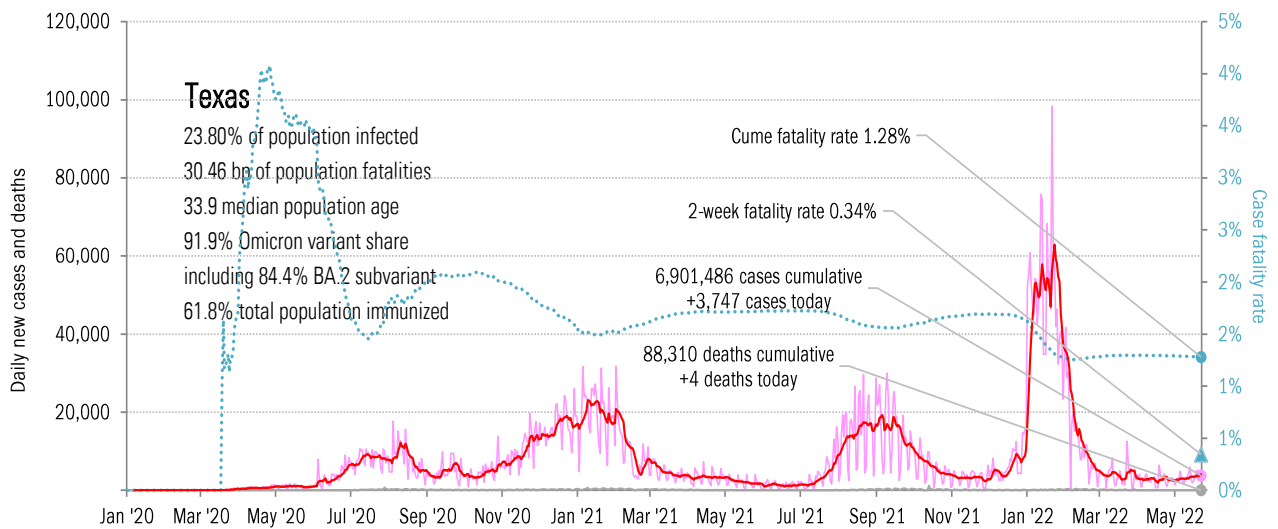
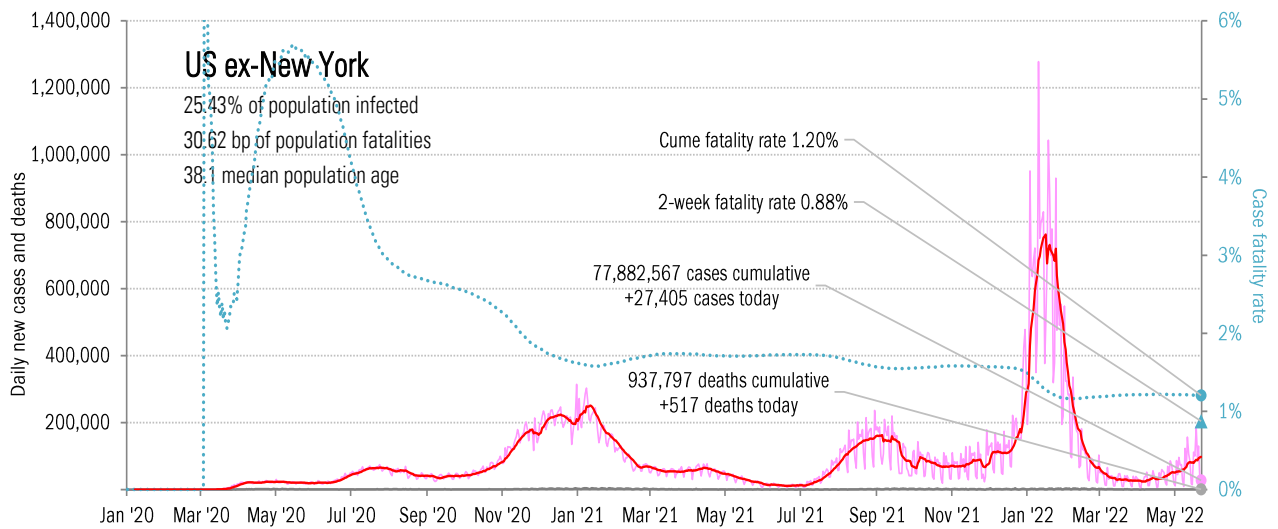
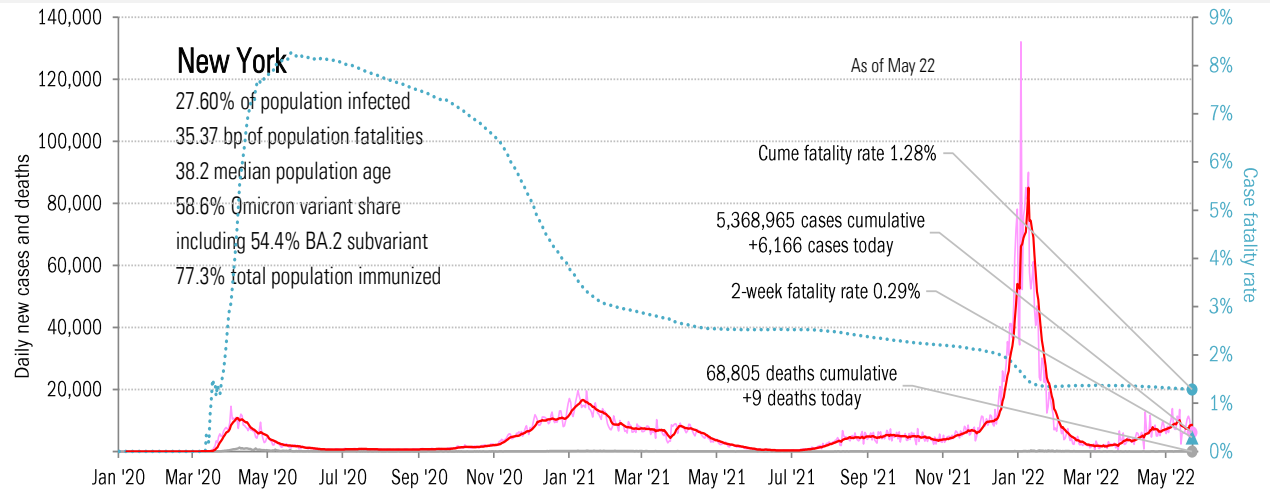
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

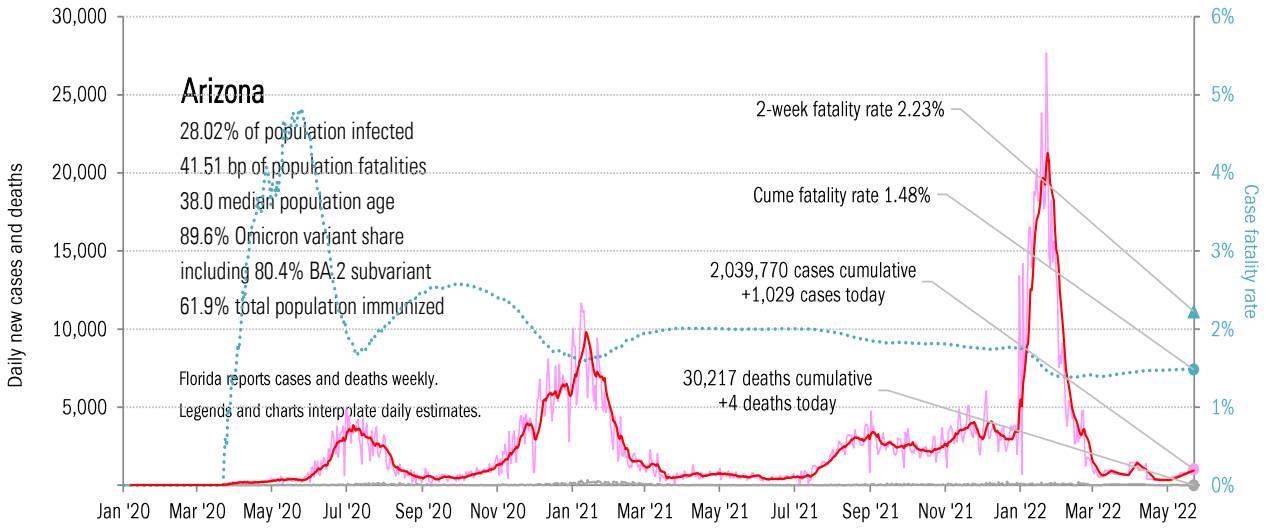
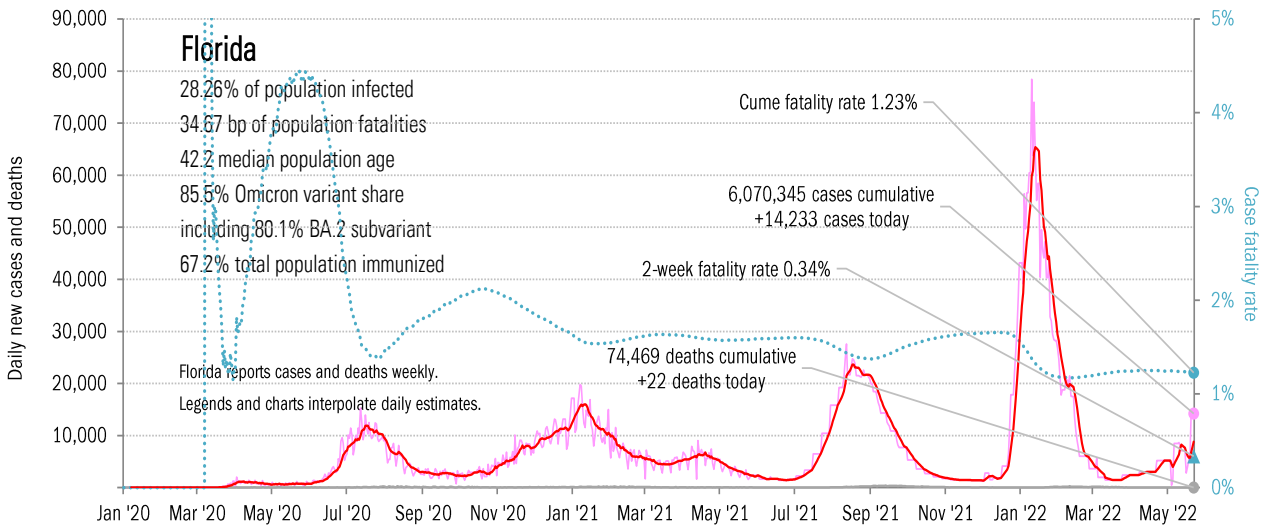
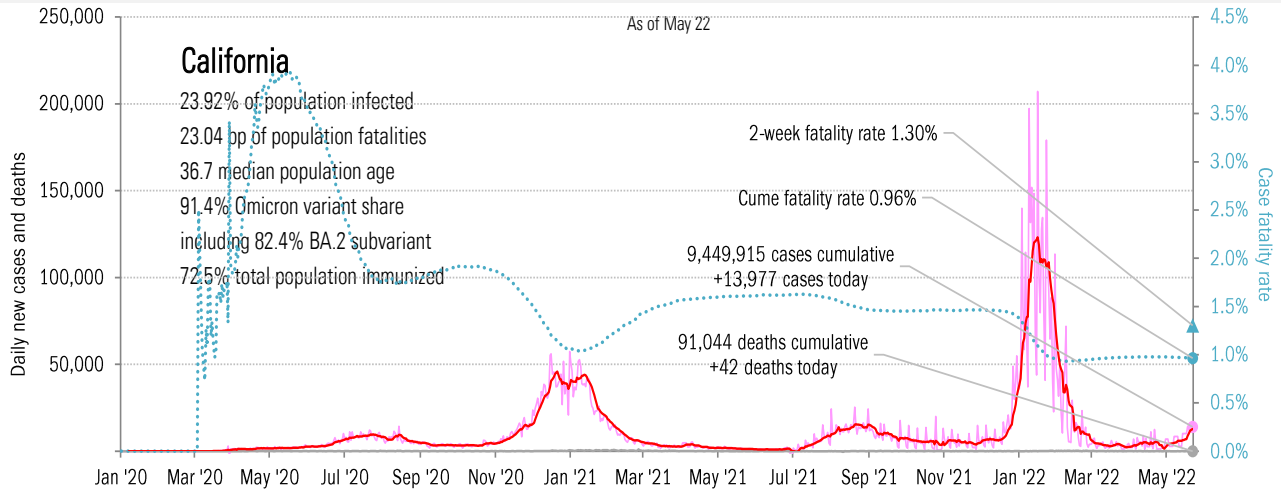
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

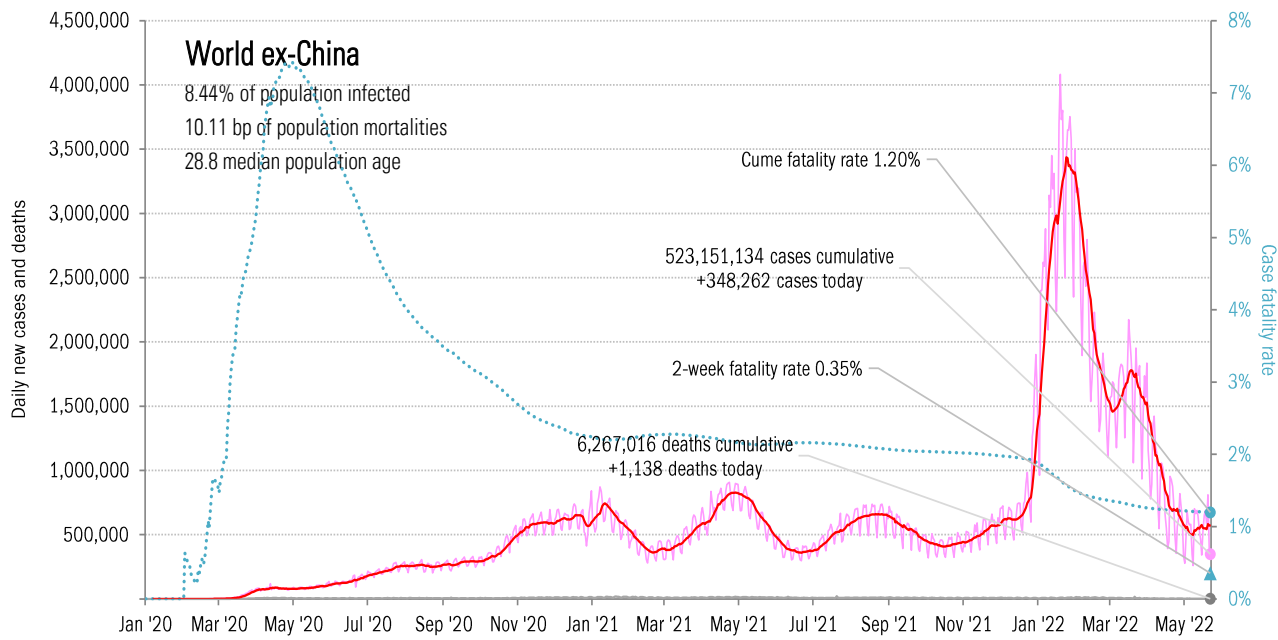
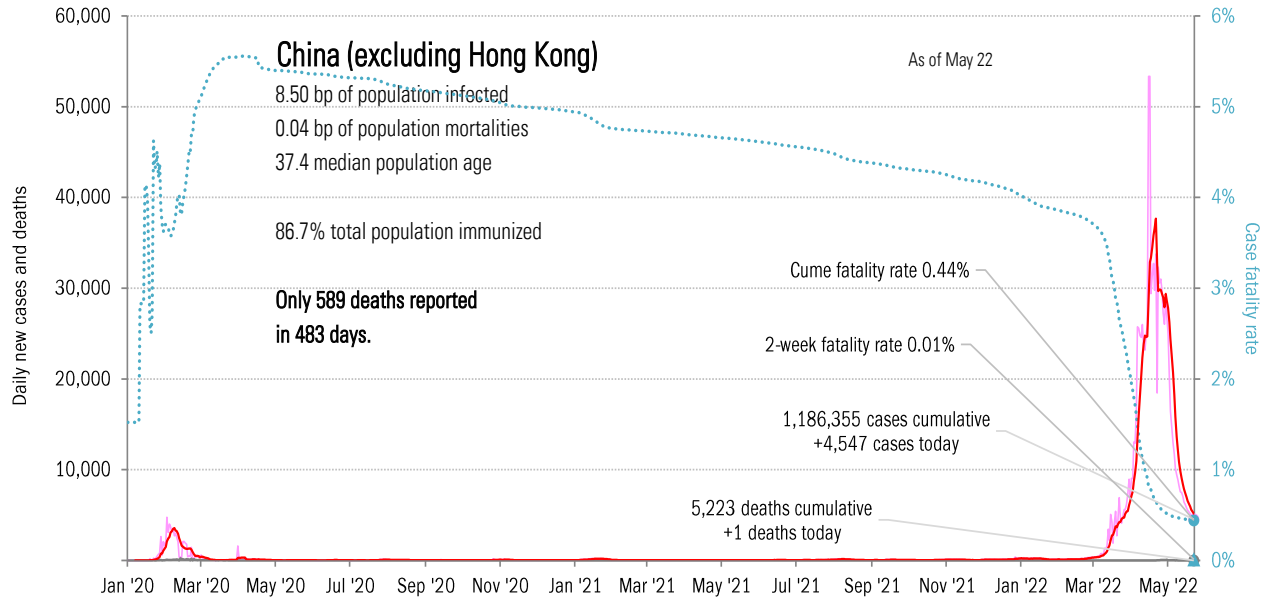
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

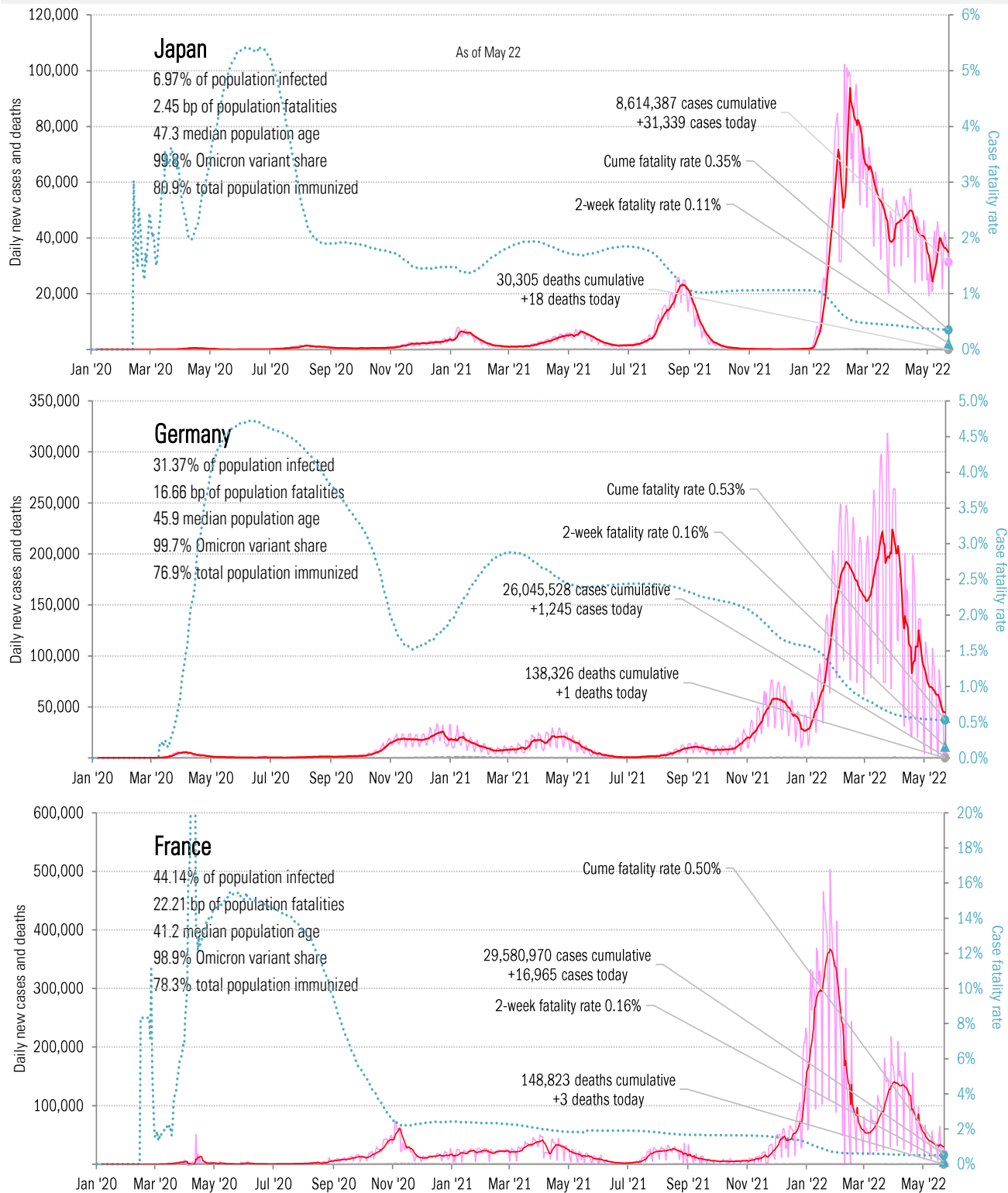
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

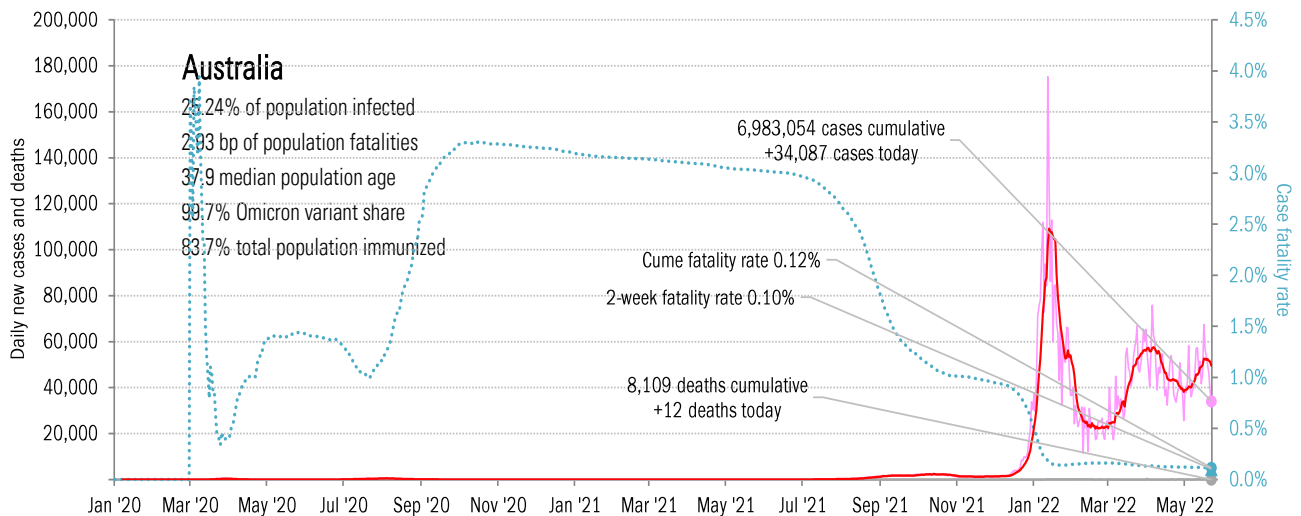
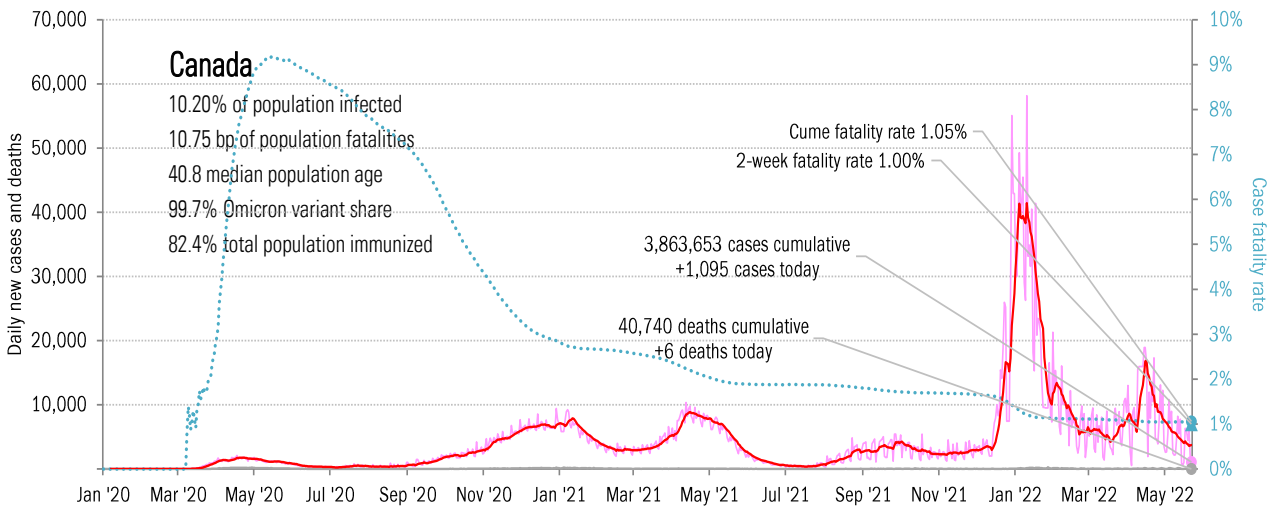
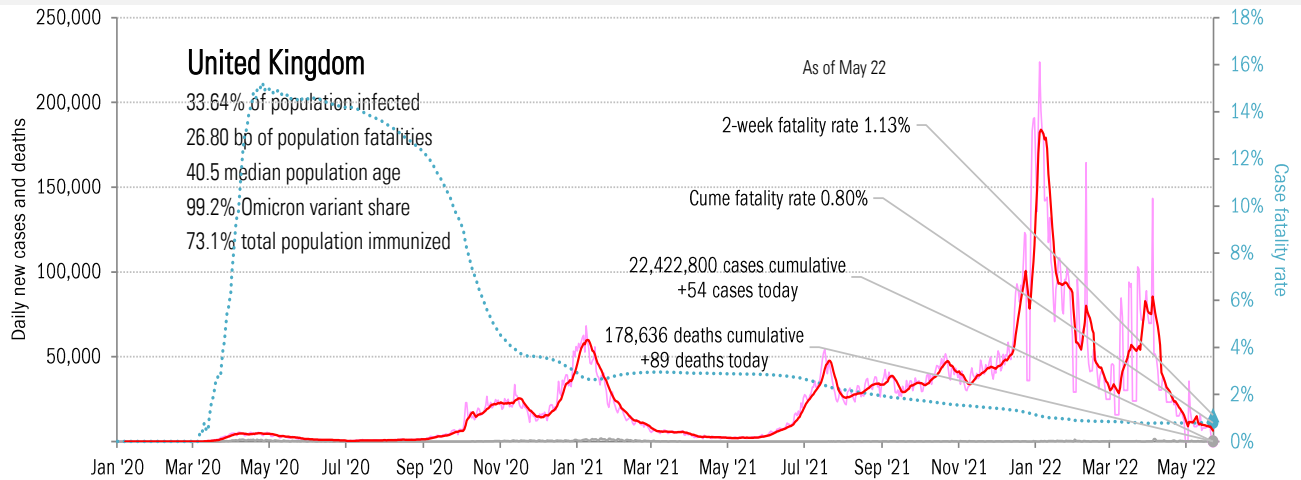


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

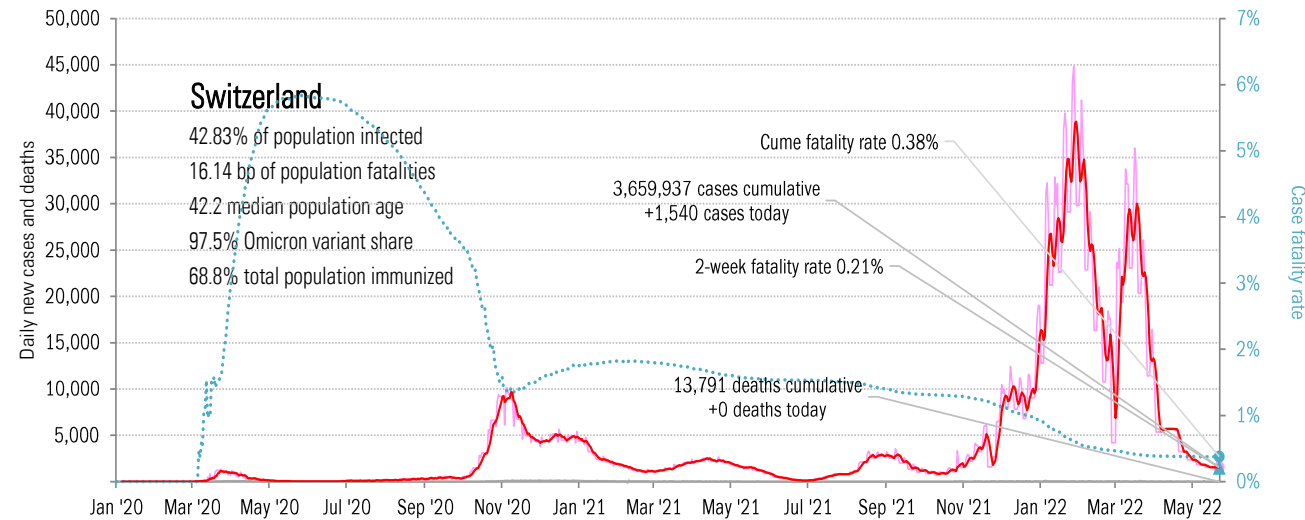
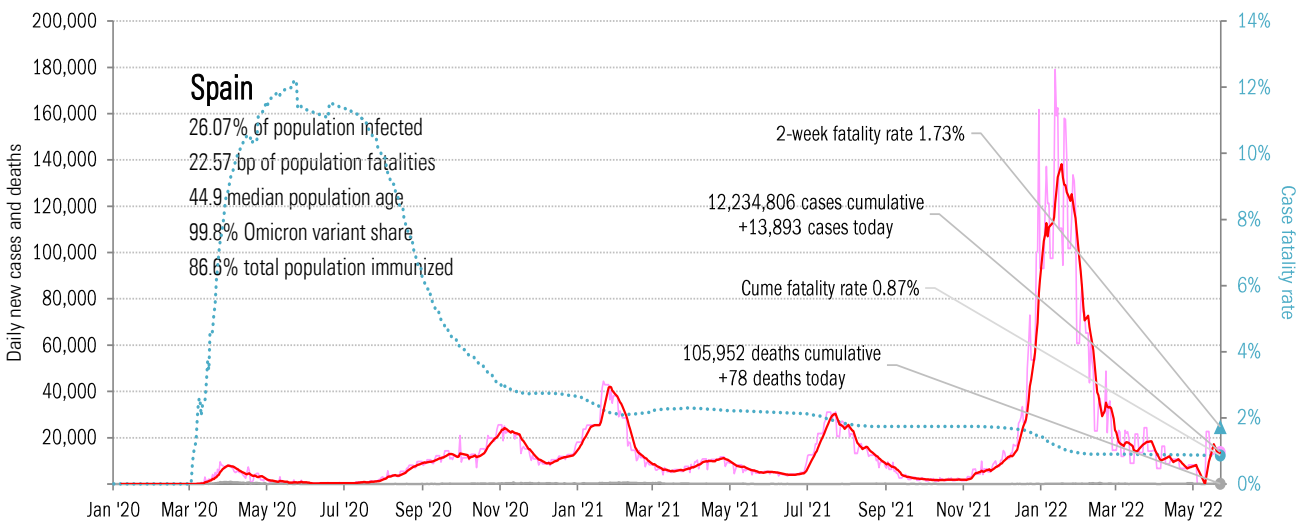
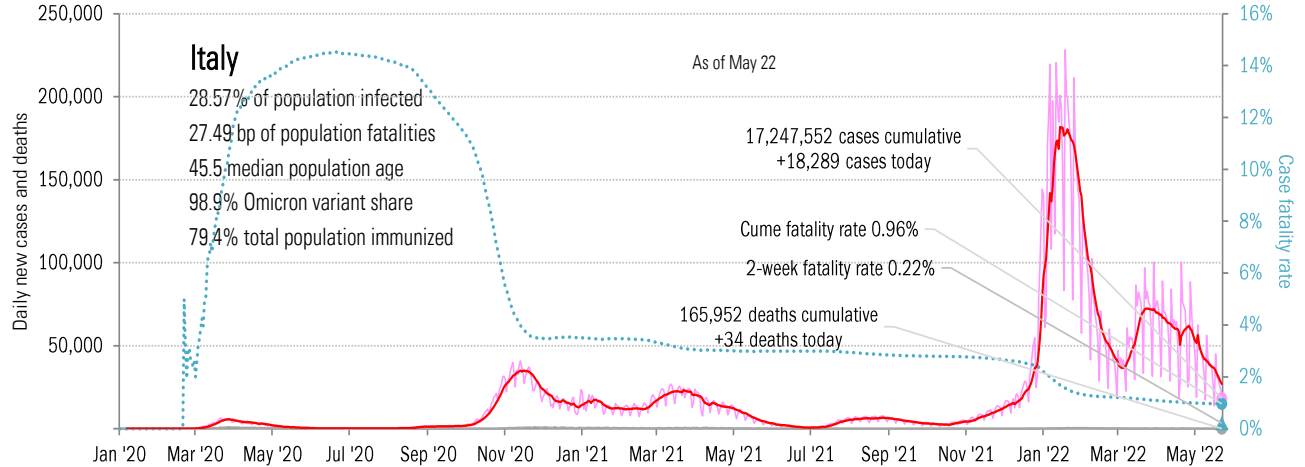
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

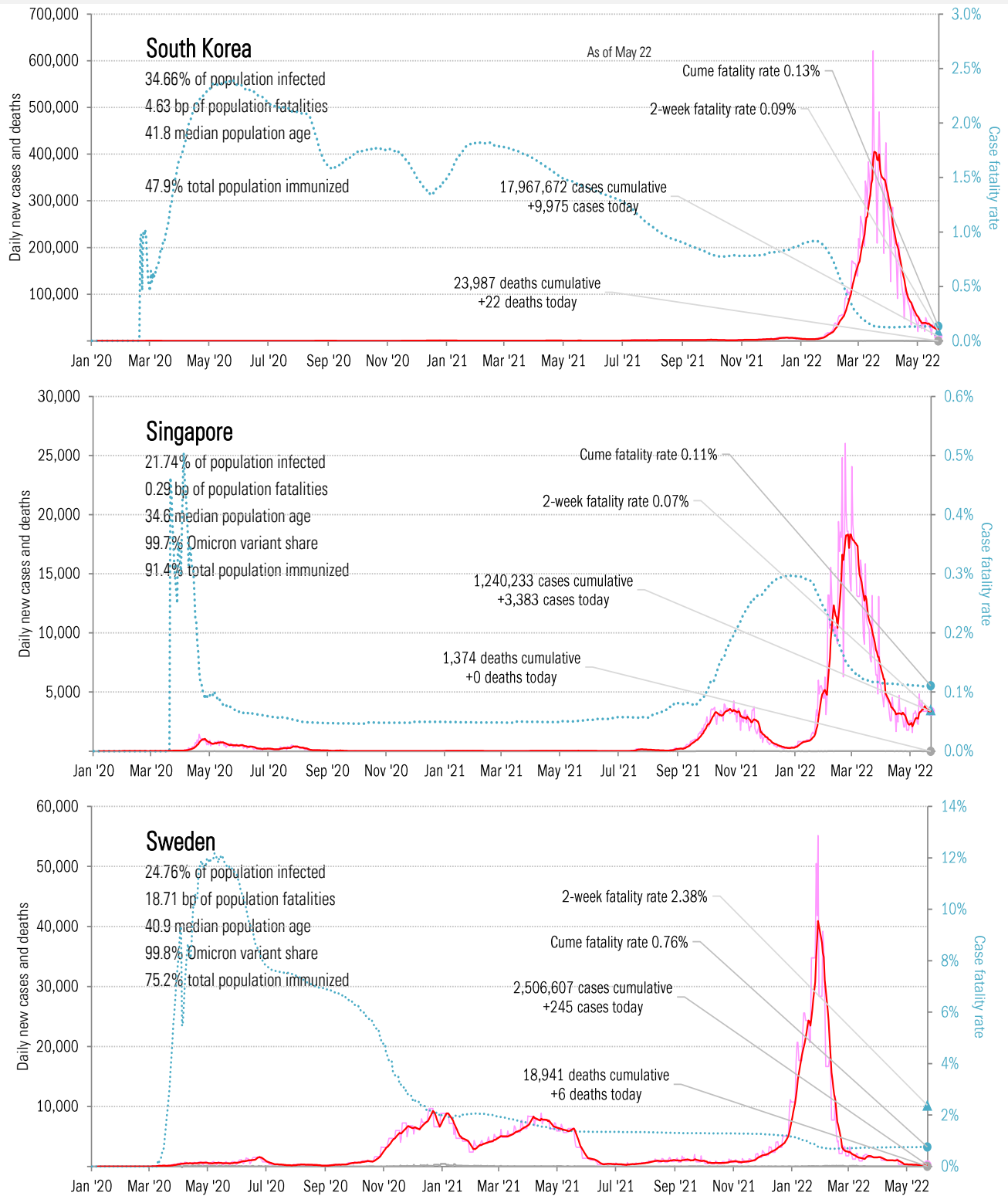
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

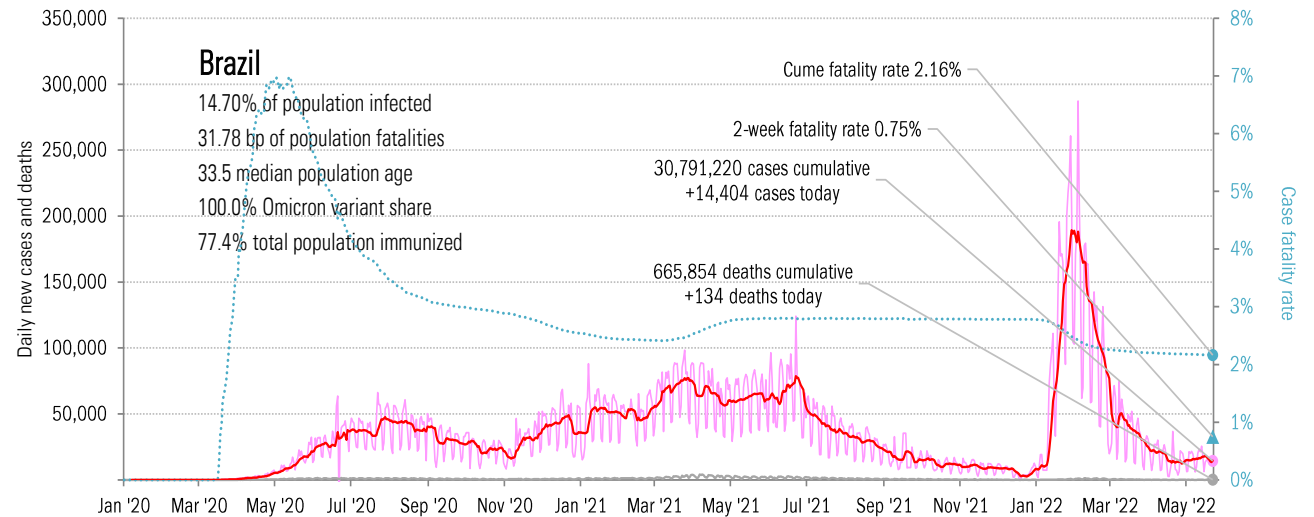
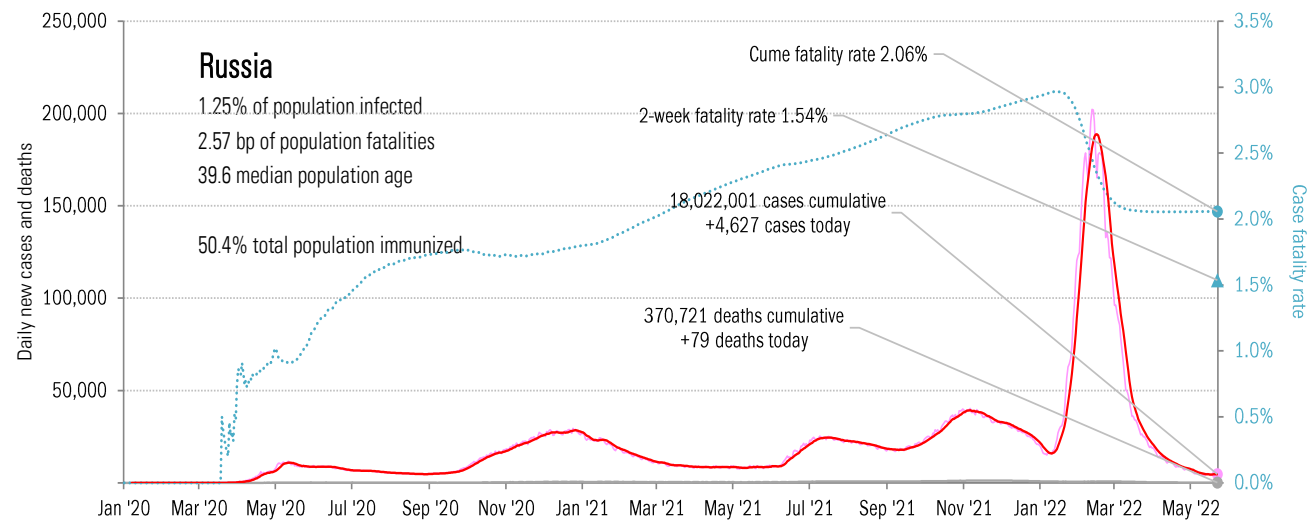
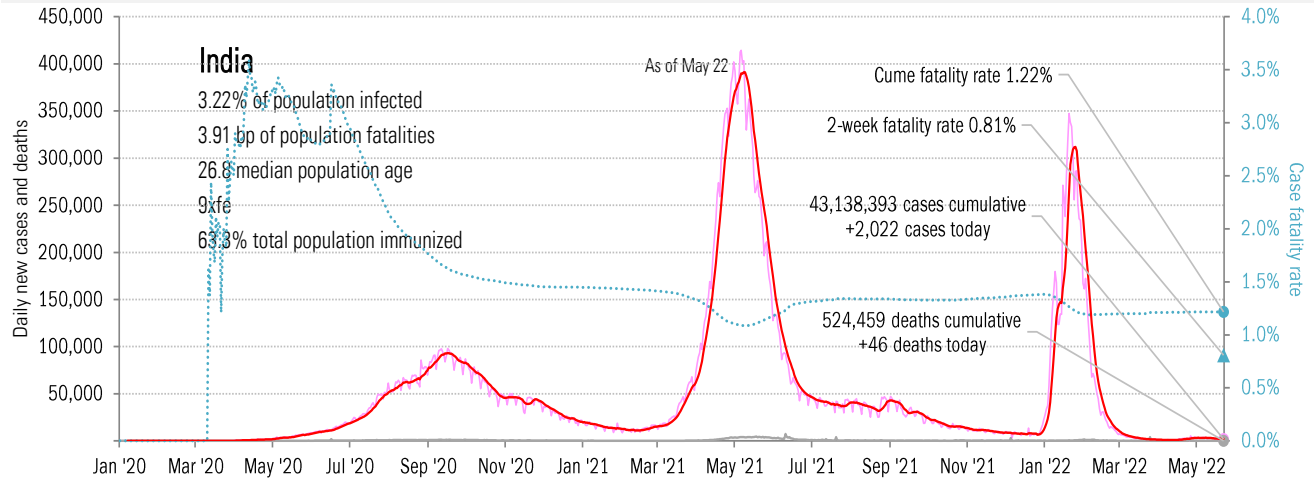
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

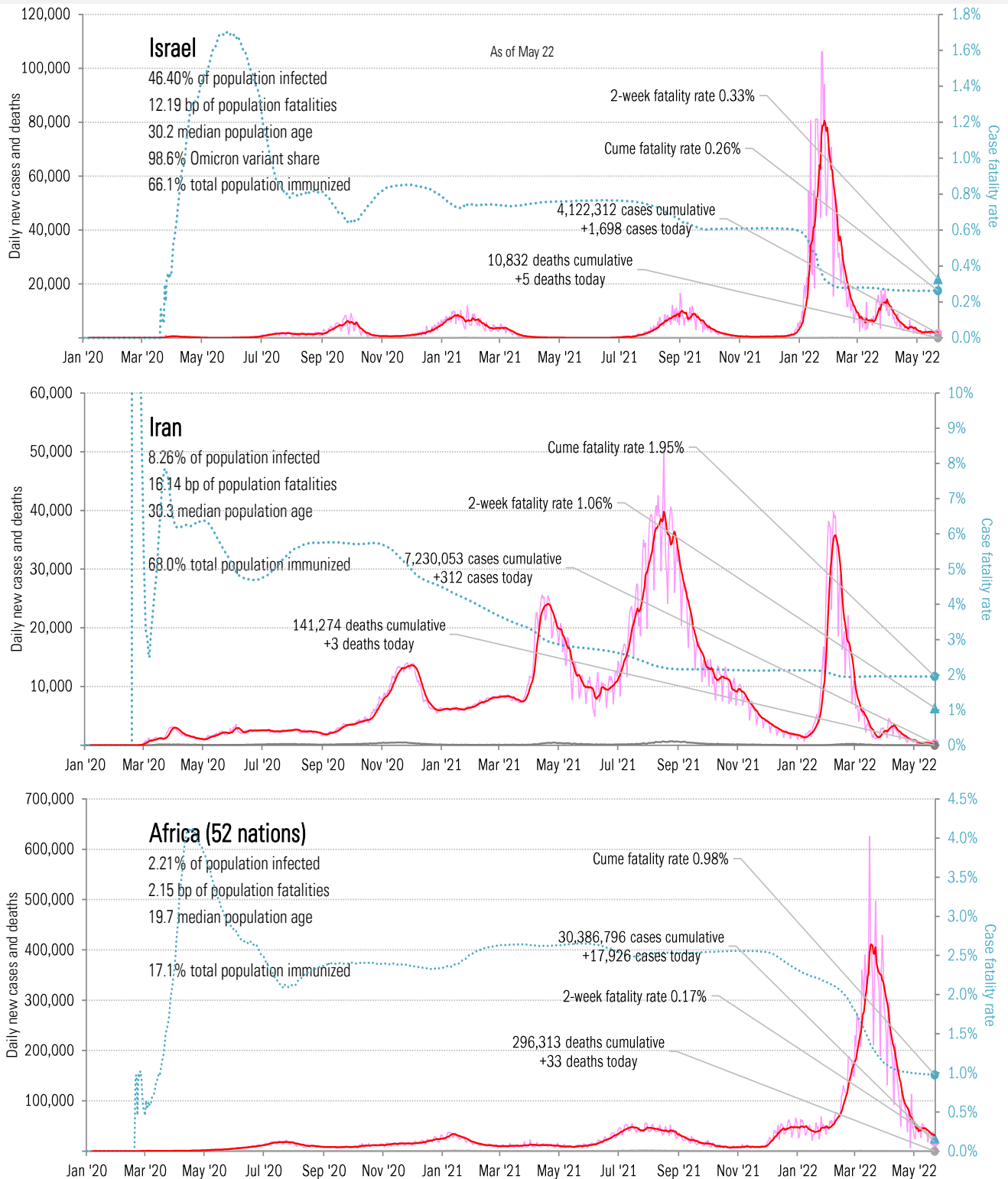
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

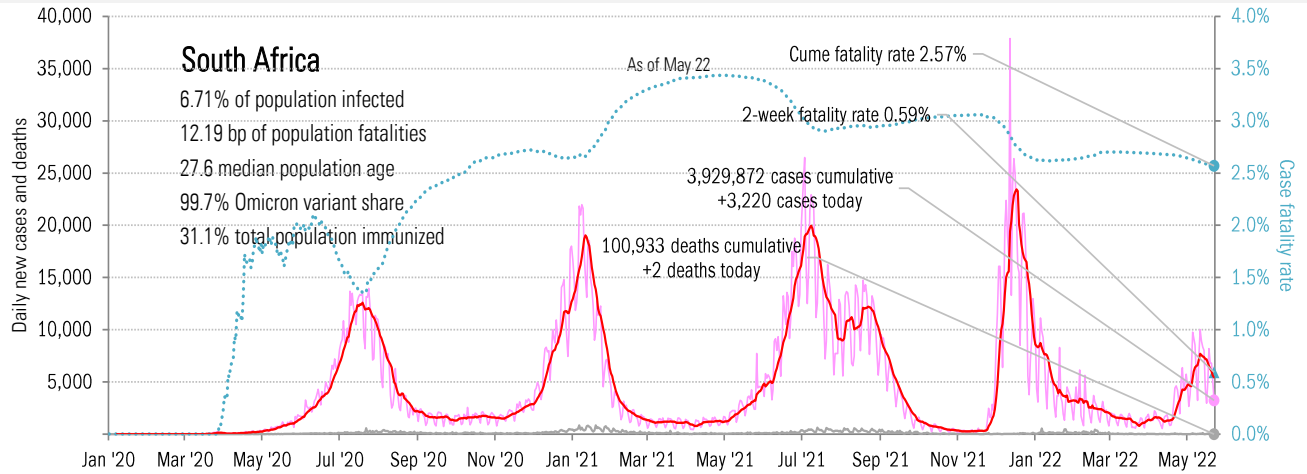
Cases: **7-day average** and **daily** Deaths: **Daily**



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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