

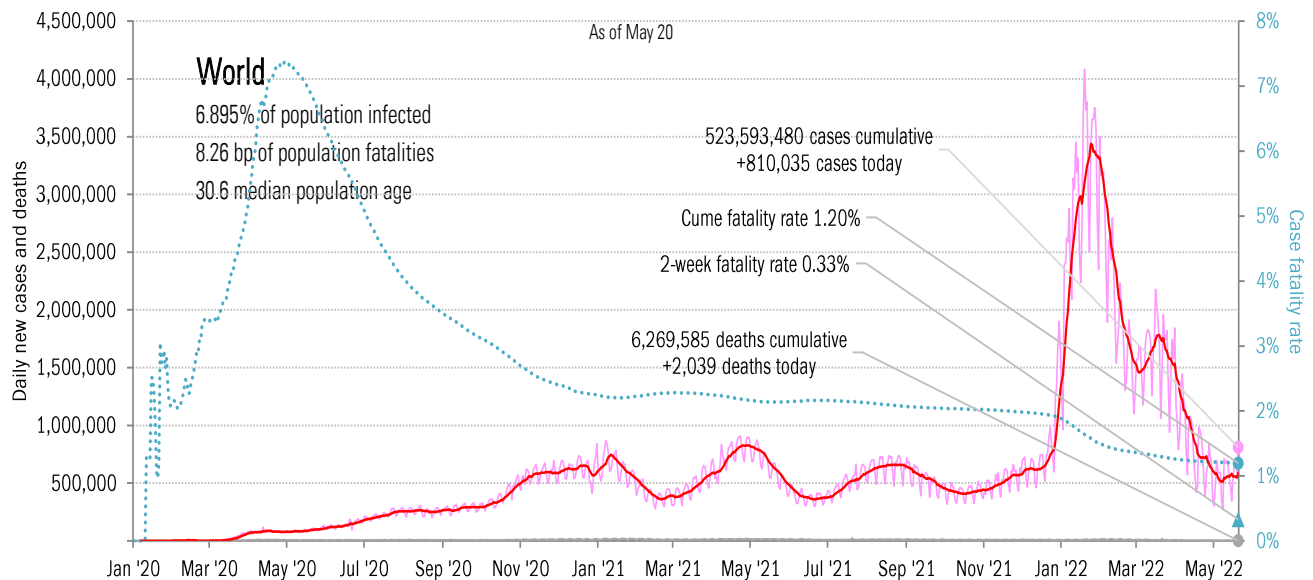
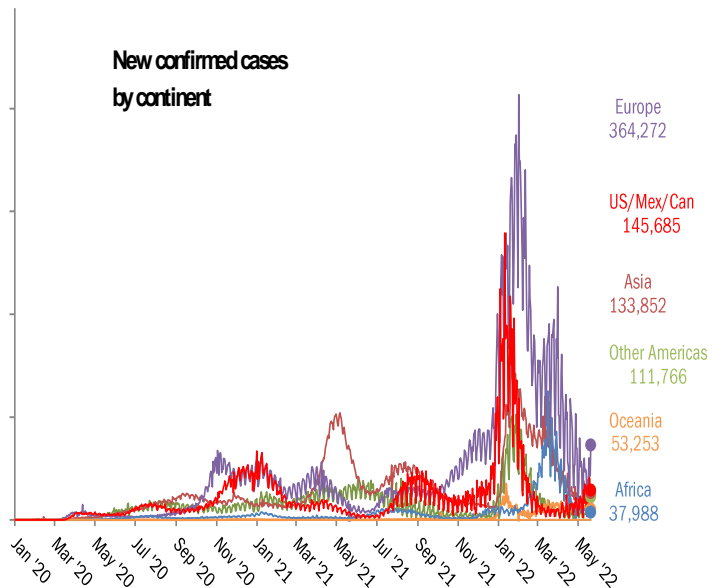
## Data Insights: Covid-2019 Monitor

Saturday, May 21, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Portugal	243,993	Brazil	506
United States	139,852	United States	490
Taiwan*	85,730	Germany	120
Brazil	60,513	Russia	93
Australia	46,485	Canada	89
Germany	42,375	Italy	89
Japan	37,343	United Kingdom	89
Italy	26,818	France	65
France	24,352	South Africa	49
Korea, South	23,442	Taiwan*	49
<b>730,903</b>		<b>1,639</b>	
World	810,035	World	2,039
Top ten	90%	Top ten	80%



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

#### For more information contact us:

Donald Luskin: 214 550 2121 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

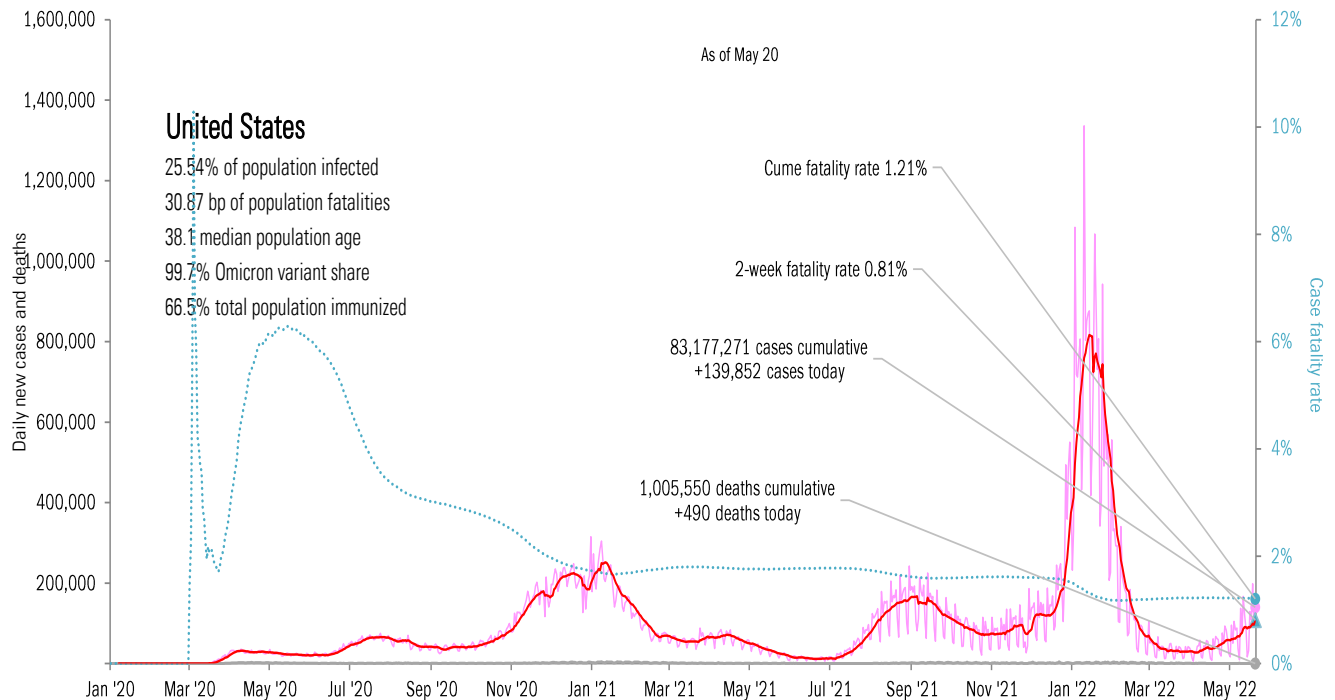
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	41,932		CA	126		CA	325		CA	9,449,915		CA	91,044		TX	492,493		RI	92%	RI	89%
FL	14,233		WA	30		WA	108		TX	6,893,736		TX	88,303		CA	431,375		MA	87%	AK	86%
NY	10,429		MO	29		MN	91		FL	6,041,879		FL	74,426		FL	421,891		MN	85%	AL	82%
WA	8,837		NY	28		GA	73		NY	5,355,624		NY	68,777		NY	258,967		NH	85%	TX	82%
FR	7,019		FL	22		OH	138		IL	3,249,534		PA	44,898		GA	208,669		MD	84%	MA	82%
NJ	6,132		IN	19		IL	177		PA	2,877,660		CH	38,590		CH	193,988		PA	84%	NM	81%
MO	5,280		WI	13		OR	43		CH	2,743,577		GA	38,157		PA	180,081		DC	84%	DE	80%
TX	5,056		TX	12		TX	139		NC	2,715,798		MI	36,218		IL	161,252		MO	83%	NH	80%
IL	4,692		IL	11		VA	79		GA	2,541,713		IL	36,194		MI	145,154		MI	83%	UT	80%
MA	4,627		NM	11		DE	20		MI	2,501,863		NJ	33,603		KY	133,738		DE	83%	WA	80%
108,237			301			1,193			44,371,299			550,210			2,627,608						
All states	139,852			490			3,493		All states	83,177,271			1,005,550			4,771,160		All states	70%		67%
Top ten	77%			61%			34%		Top ten	53%			55%			55%		Median	76%		74%

Some states not reporting

## Five most improved US states

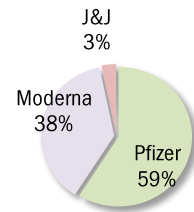
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
CH -19,536	FL -110	FL -92	AR +10 bp
UT -4,504	CK -54	IN -57	CO +10 bp
IL -2,863	CH -40	FR -43	CT +10 bp
CK -1,491	TX -7	PA -41	KY +10 bp
MA -1,010	MN -6	MI -34	MI +10 bp



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	598,883,320		+0.134 million	US	66.5%	77.7%
Boosters	44,732,495		+0.013 million	UK	73.1%	78.2%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	265,854,459	80%	227,134,118	68%	+0.001 million	France 78.3% 80.7%
Age 12 to 17	17,757,910	70%	15,211,108	60%	+0.001 million	Spain 86.6% 88.2%
Age 18 to 64	178,663,344	88%	152,005,807	75%	+0.007 million	Germany 76.9% 76.9%
Age 65 and over	59,022,621	100%	51,505,582	94%	+0.003 million	Italy 79.4% 84.1%
						Australia 83.7% 86.5%
						Israel 66.1% 72.2%
						Canada 82.4% 86.4%
						Japan 80.8% 82.1%
						Africa 17.1% 22.4%
						India 63.1% 72.4%
						Brazil 77.3% 85.6%
						China 86.7% 89.1%



**State**

At least partial immunity as % population

Full immunity as % population

**Best**

**Middle**

**Worst**

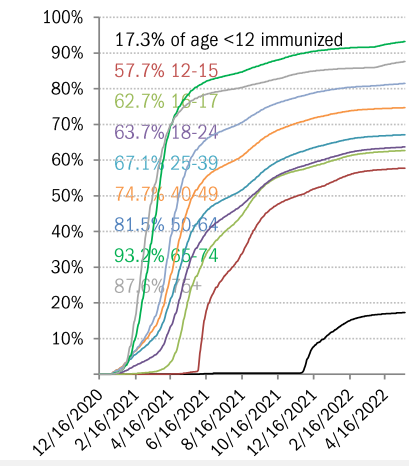
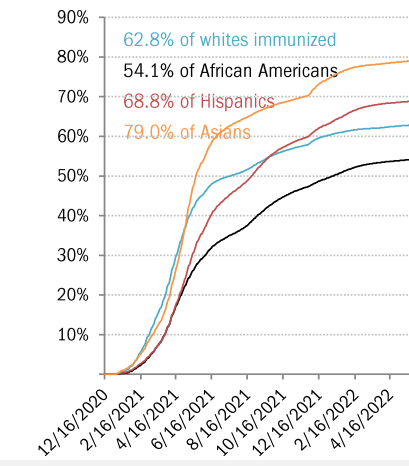
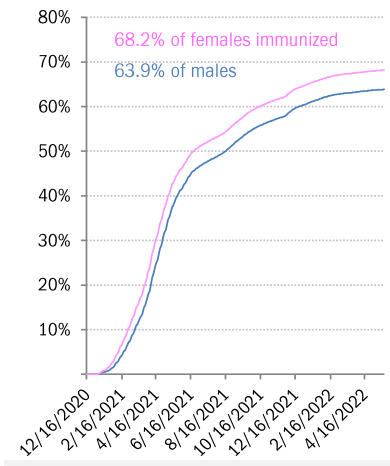
AK
69.9%
62.6%

As of May 20

					WI 72.0% 65.8%					ME 91.0% 79.9%
WA 81.0% 72.8%	ID 61.8% 55.5%	MT 65.4% 56.9%	ND 65.8% 55.7%	MN 75.3% 69.4%	IL 76.2% 68.9%	MI 67.2% 60.4%		NY 90.5% 77.3%	VT 93.9% 81.5%	NH 88.7% 70.9%
OR 78.1% 69.9%	NV 75.5% 61.0%	WY 58.2% 51.0%	SD 76.9% 61.9%	IA 68.1% 62.1%	IN 61.6% 55.0%	OH 63.8% 58.9%	PA 85.3% 68.9%	NJ 90.7% 75.9%	MA 95.0% 79.4%	
CA 82.4% 72.5%	UT 72.3% 64.5%	CO 79.6% 70.5%	NE 70.4% 63.7%	MO 66.4% 56.3%	KY 66.3% 57.6%	WV 65.2% 57.8%	VA 86.0% 73.5%	MD 86.8% 75.9%	CT 95.0% 79.6%	RI 95.0% 83.0%
	AZ 73.4% 61.8%	NM 88.1% 71.4%	KS 74.7% 61.7%	AR 66.9% 54.7%	TN 62.4% 54.7%	NC 84.7% 61.7%	SC 67.9% 57.2%	DC 95.0% 78.1%	DE 83.5% 69.5%	
			OK 71.3% 57.5%	LA 61.1% 53.6%	MS 59.8% 52.0%	AL 62.9% 51.3%	GA 65.6% 55.0%			
			TX 73.6% 61.8%					FL 79.6% 67.2%		PR 95.0% 83.3%

HI
87.7%
78.5%

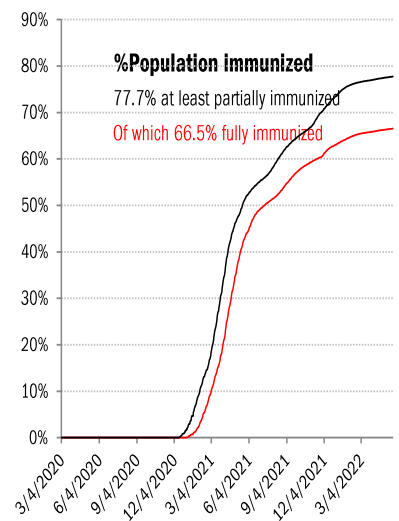
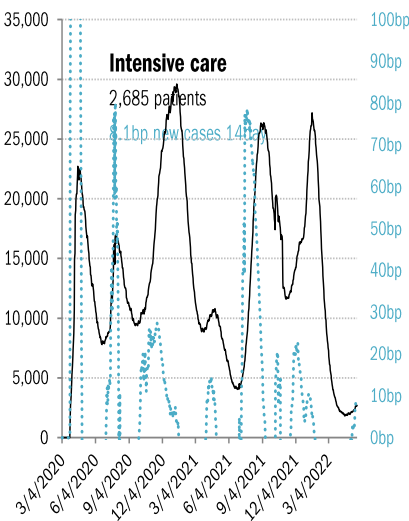
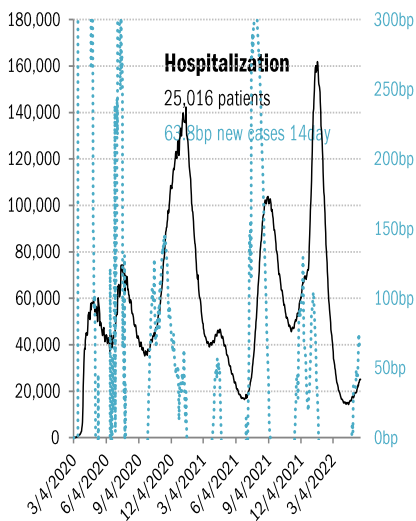
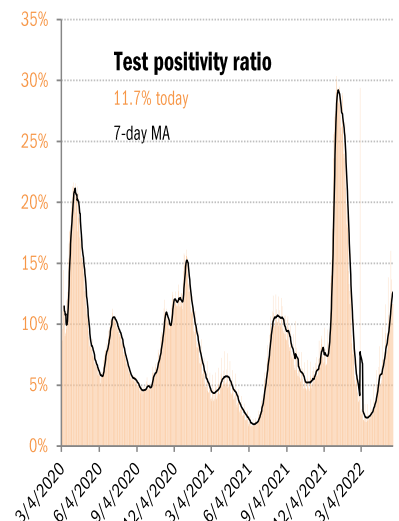
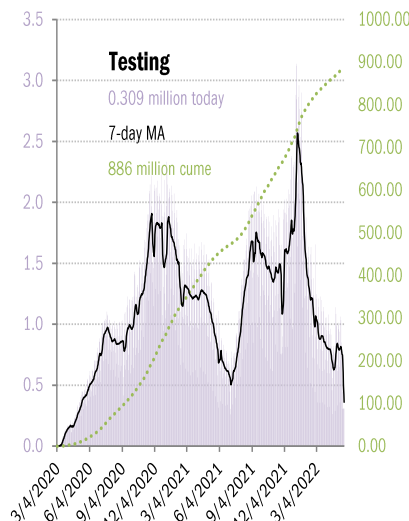
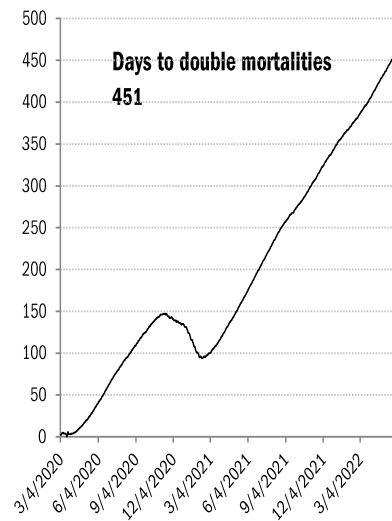
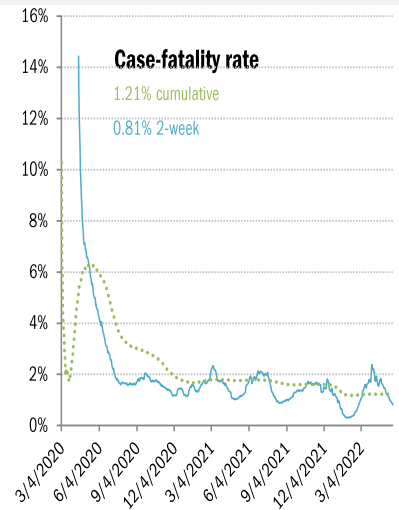
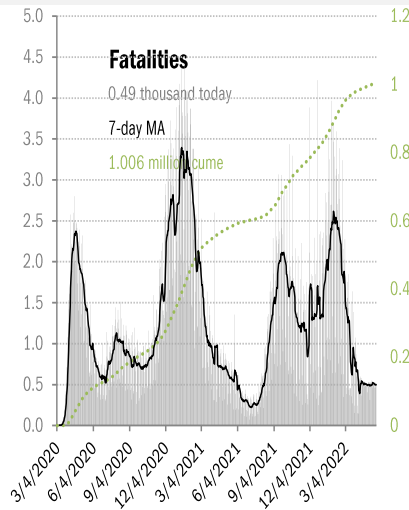
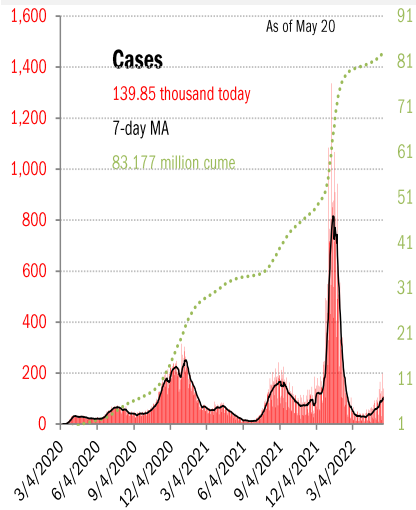
## The demographics of US vaccination



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

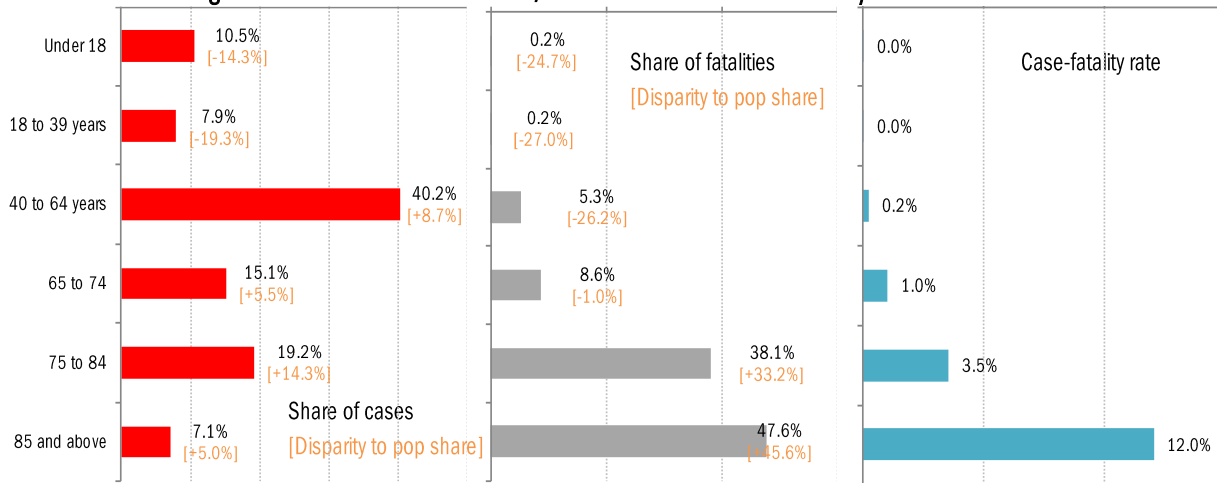
# US deep-dive

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

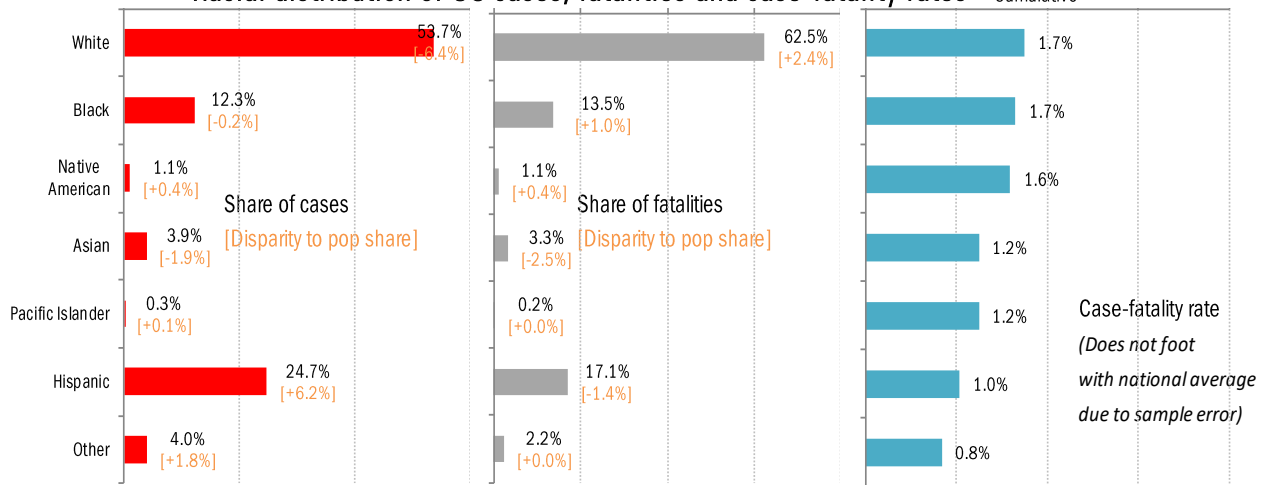


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

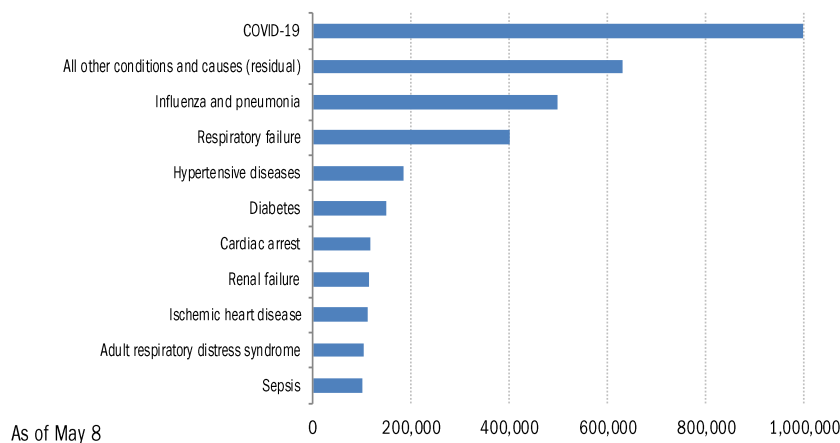


Racial distribution of US cases, fatalities and case-fatality rates



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

[The COVID Testing Company That Missed 96% of Cases](#)

Anjeanette Damon  
*Pro Publica*  
May 16, 2022

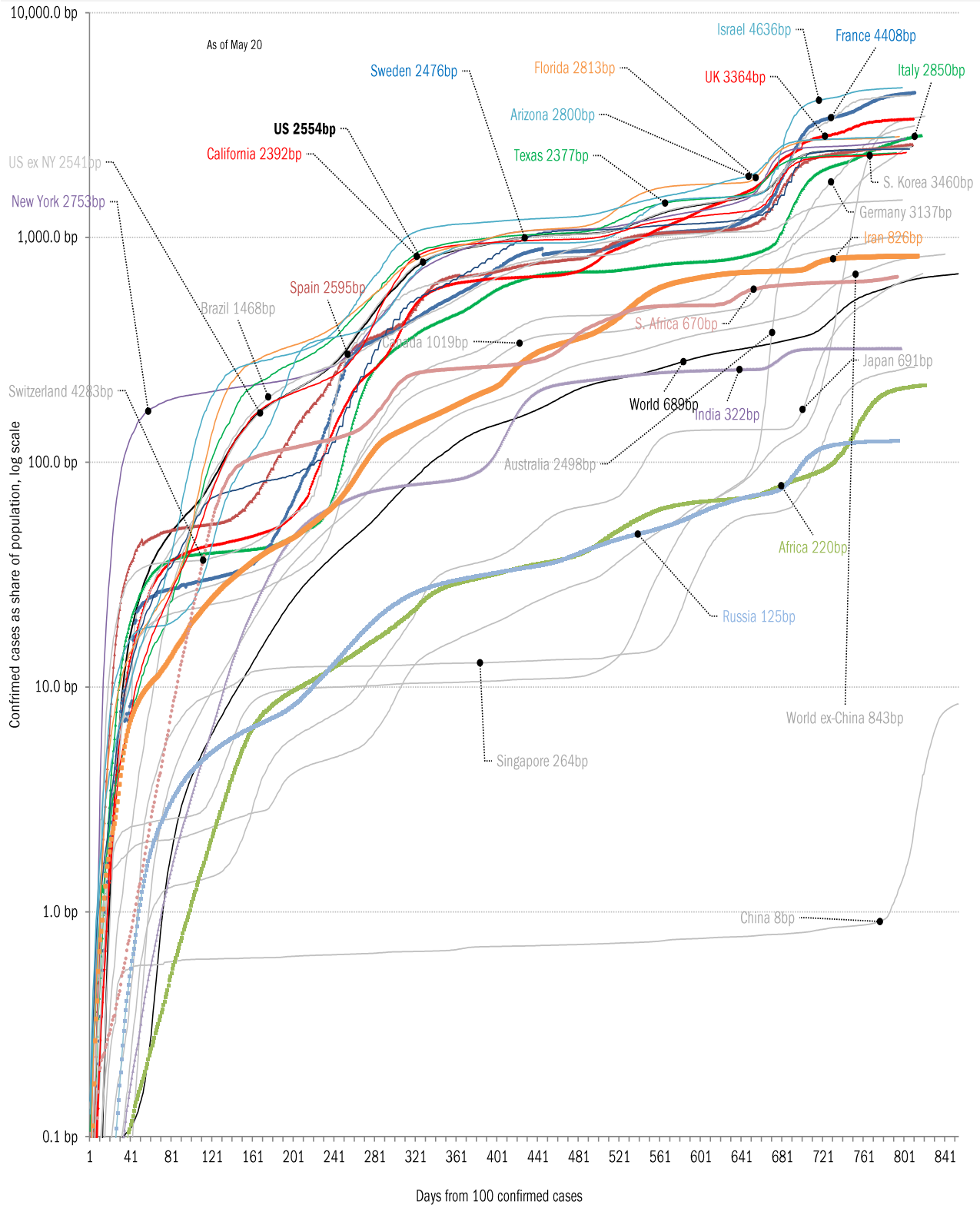
## Meme of the day



## With Formula Shortage More Babies Switching To Whey Protein Powder

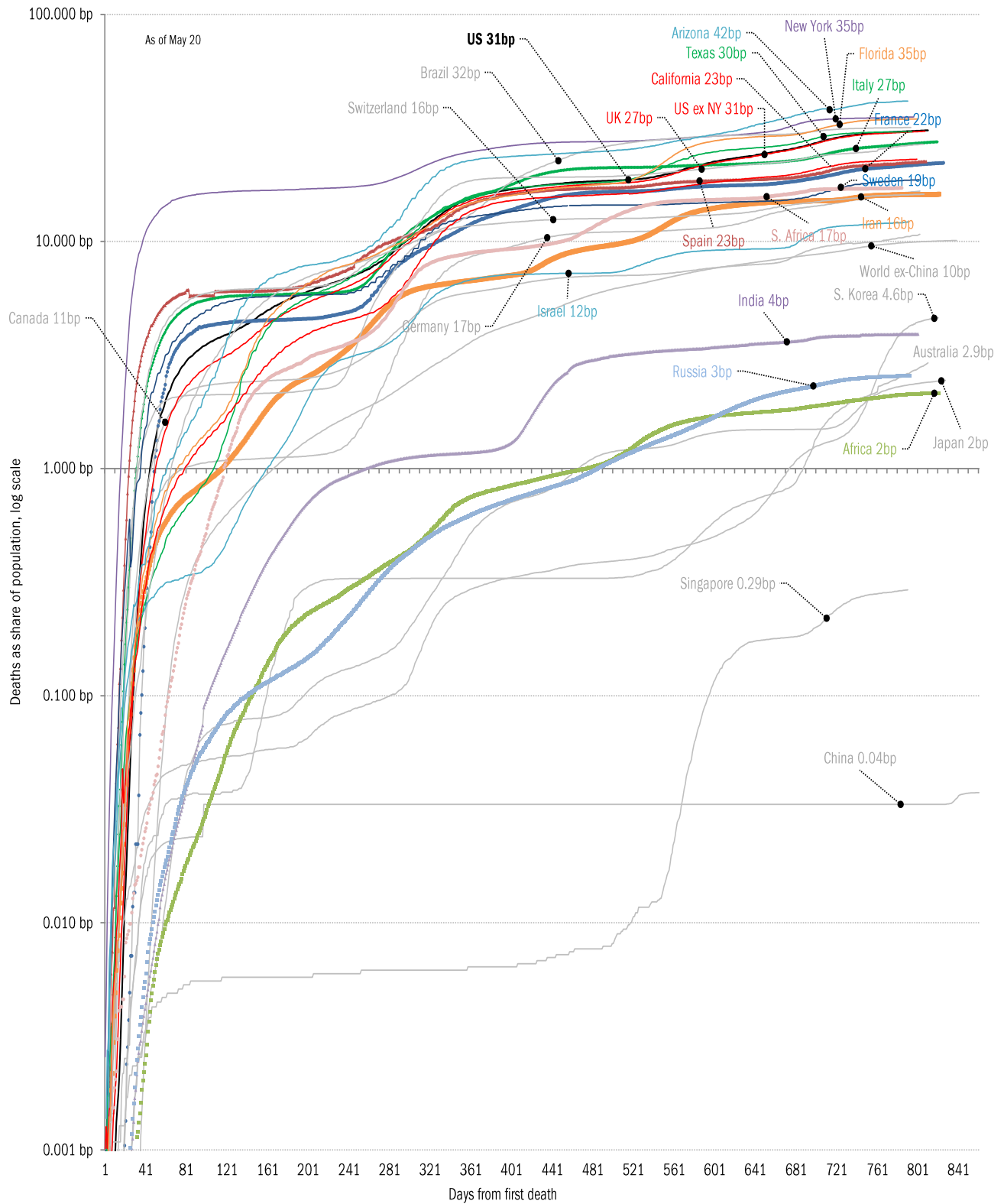
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



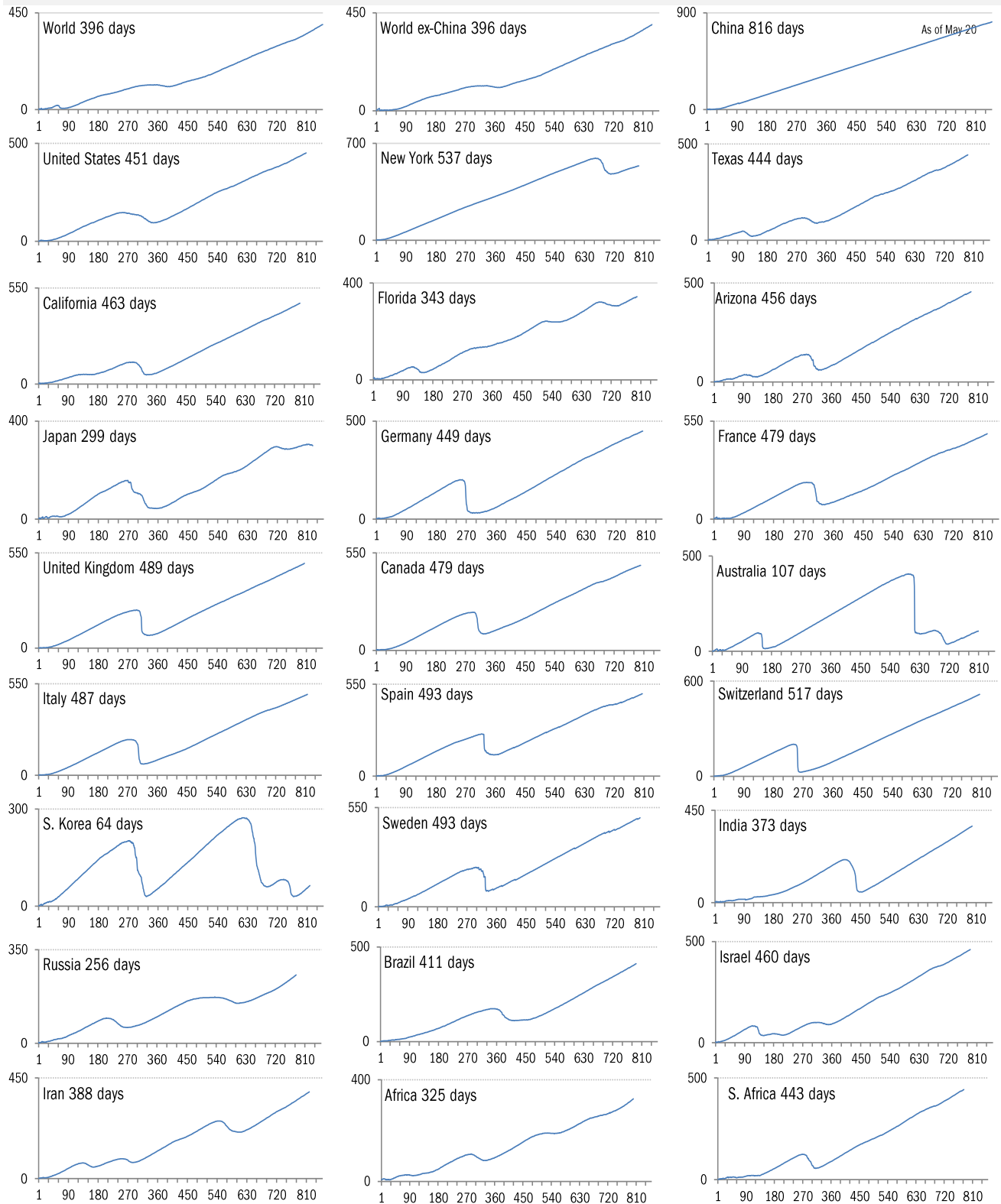
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

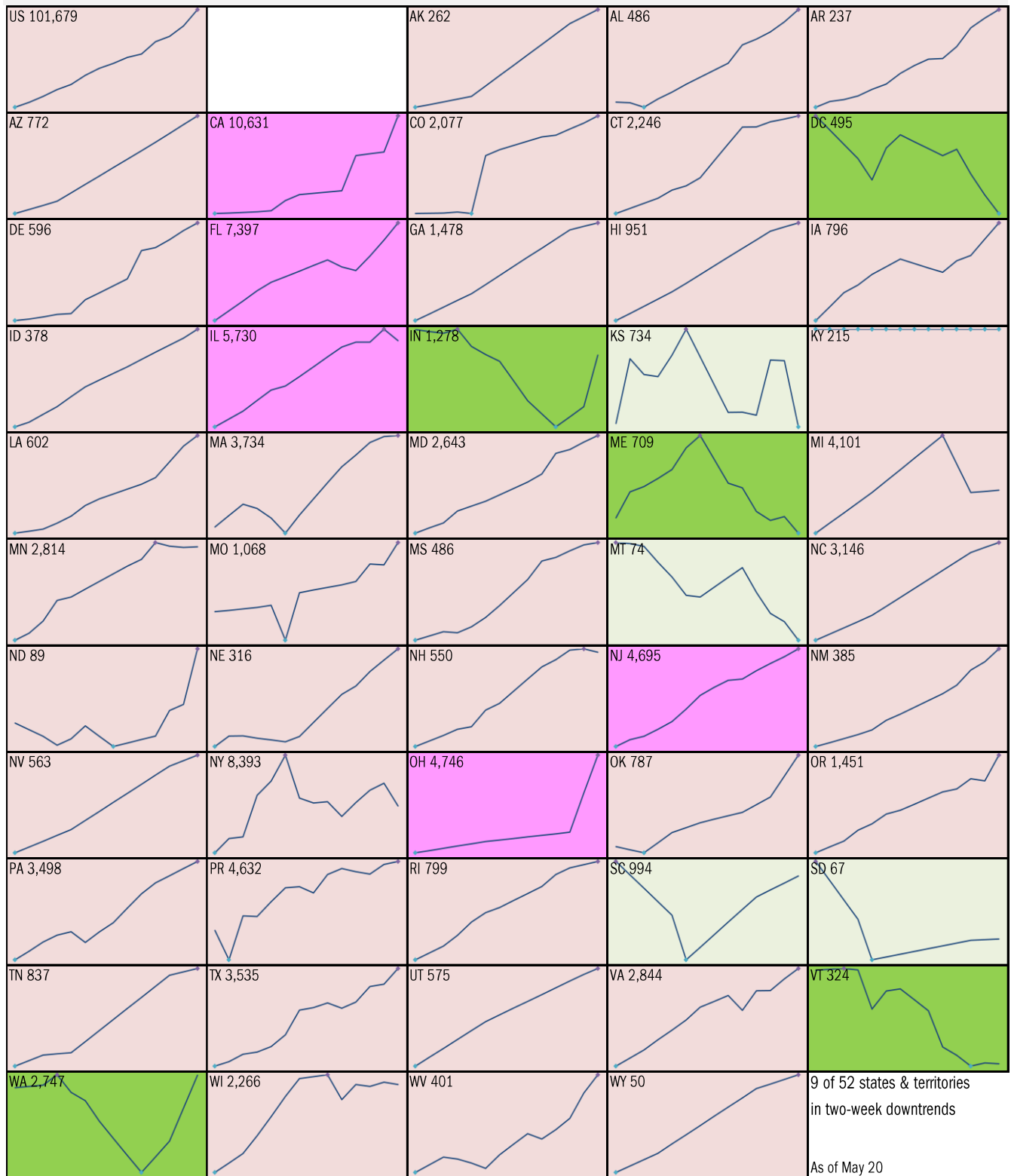


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

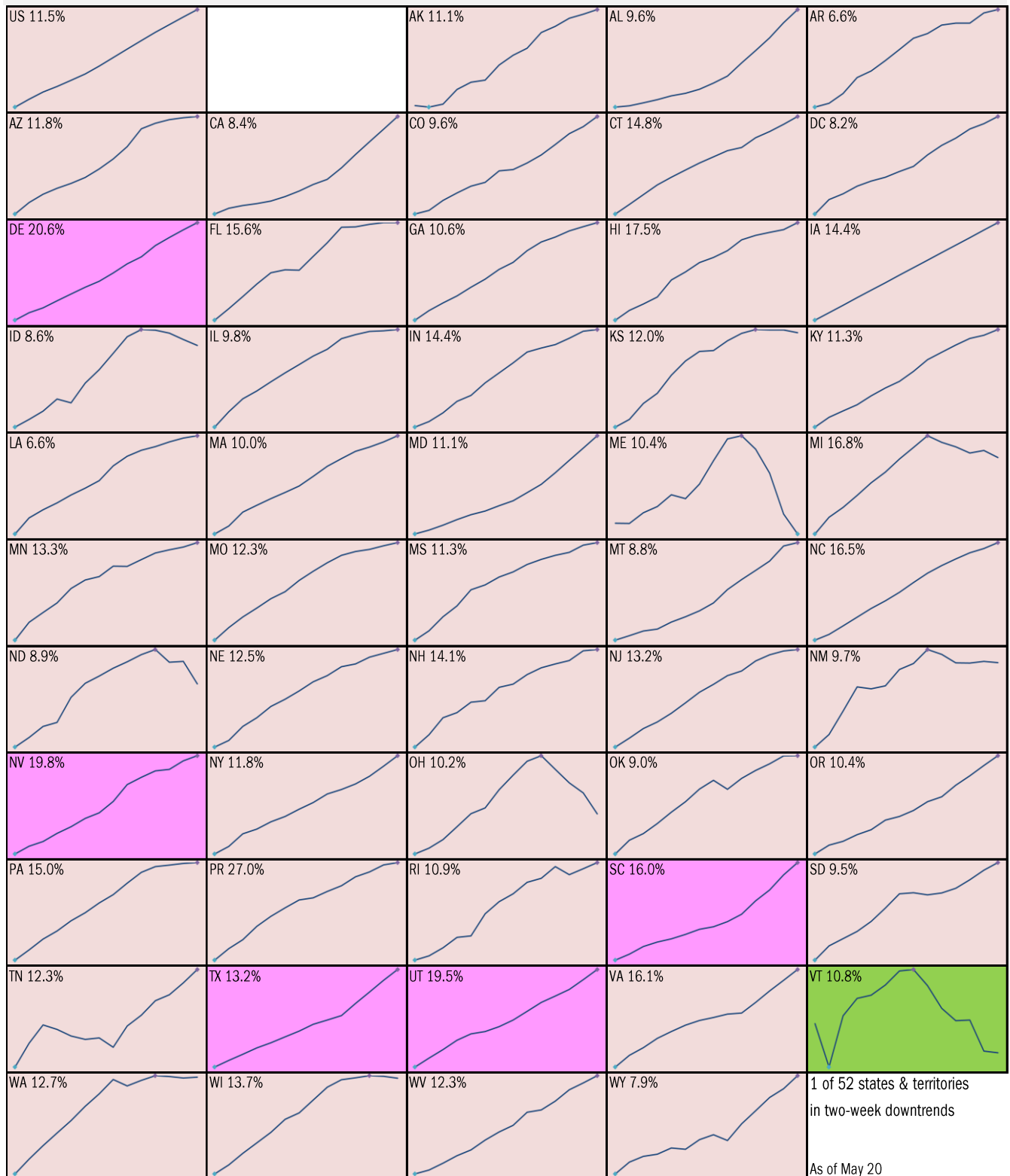


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

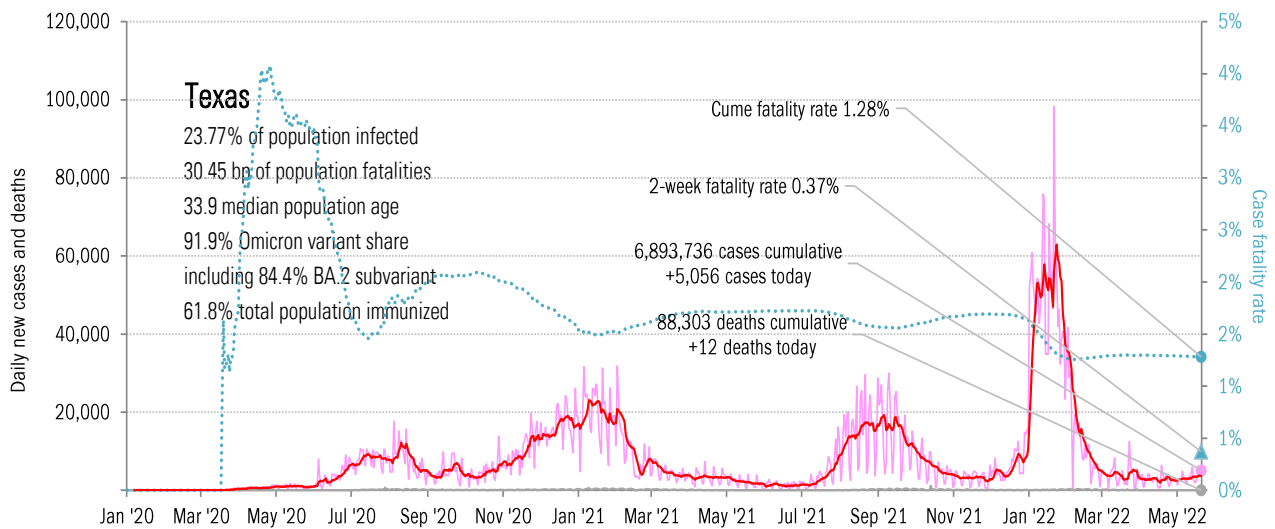
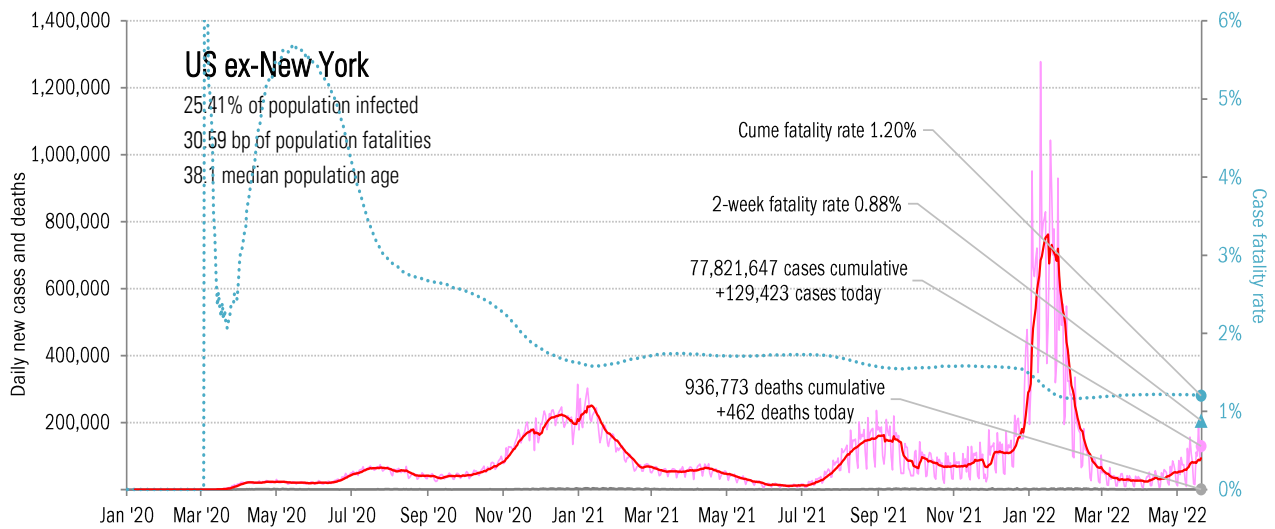
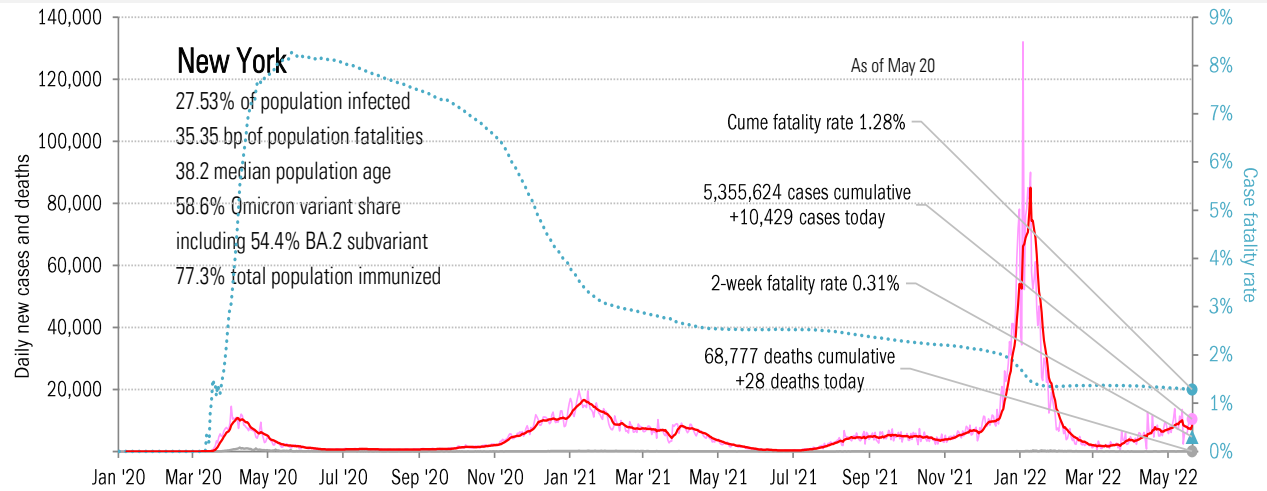
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

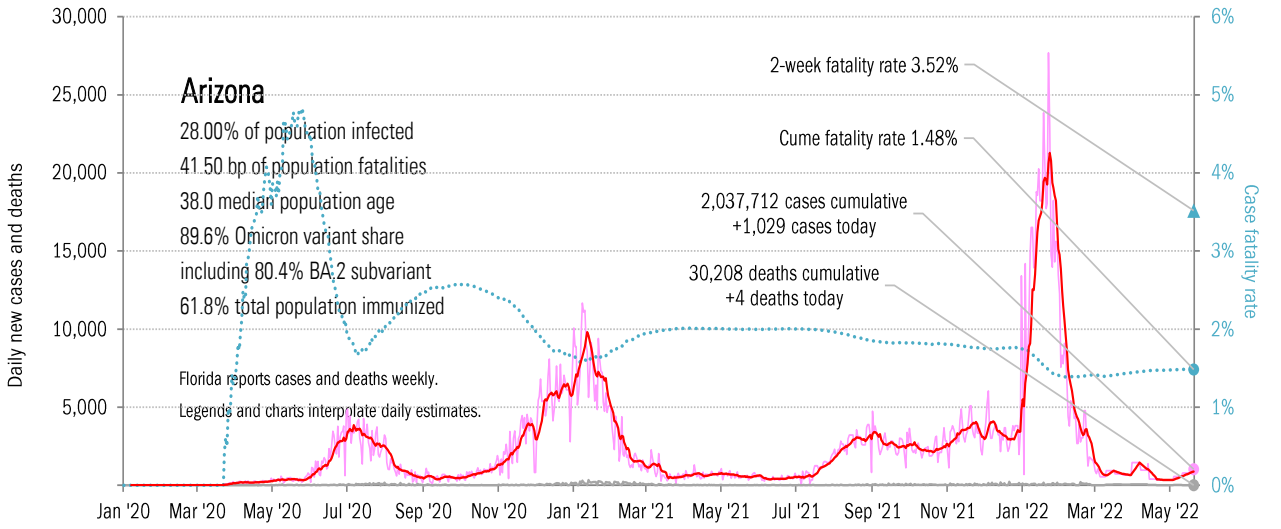
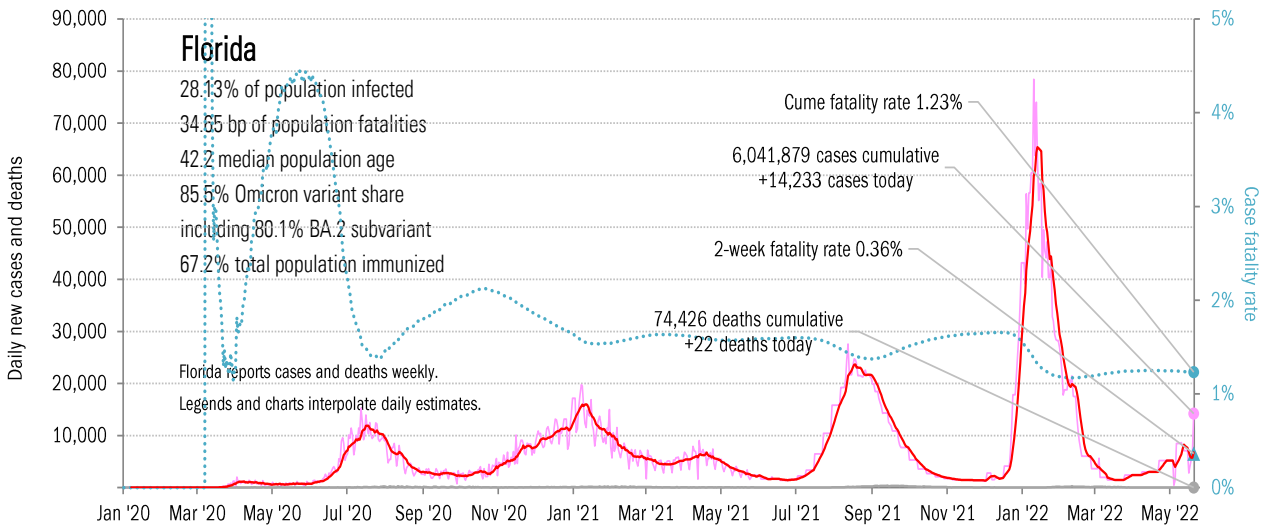
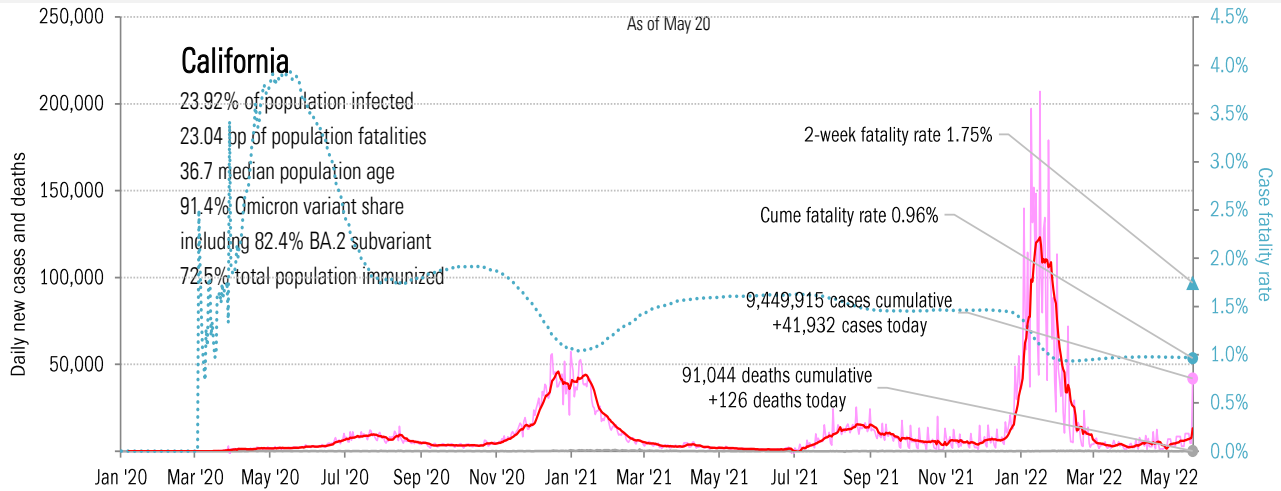
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

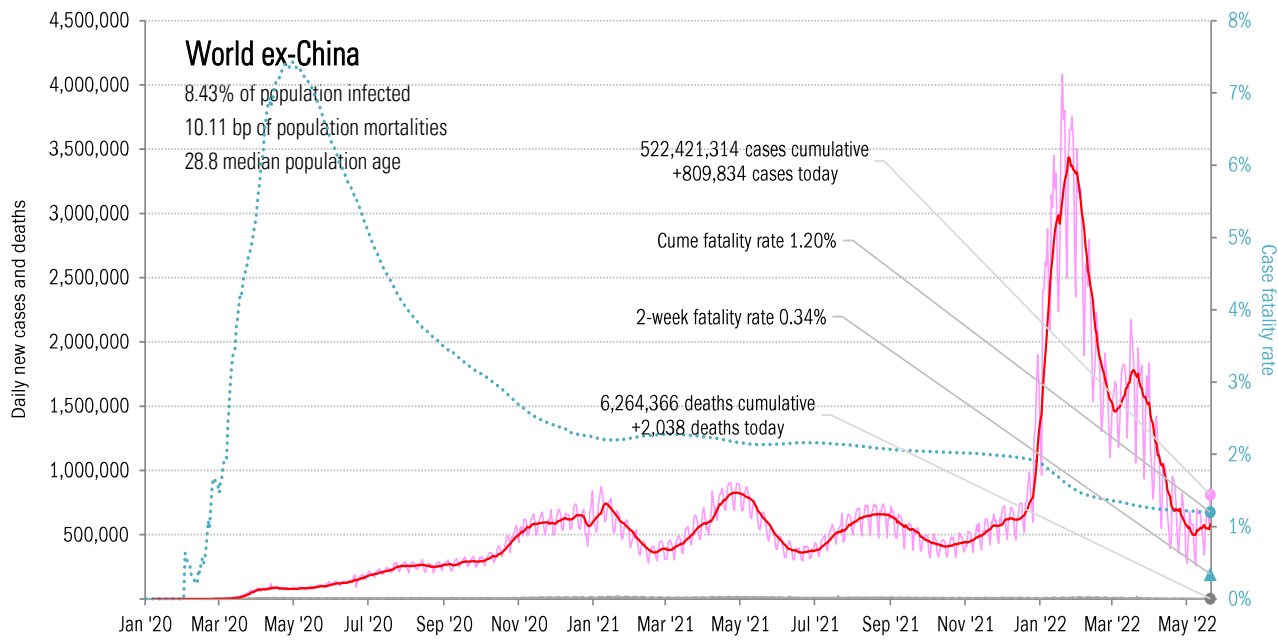
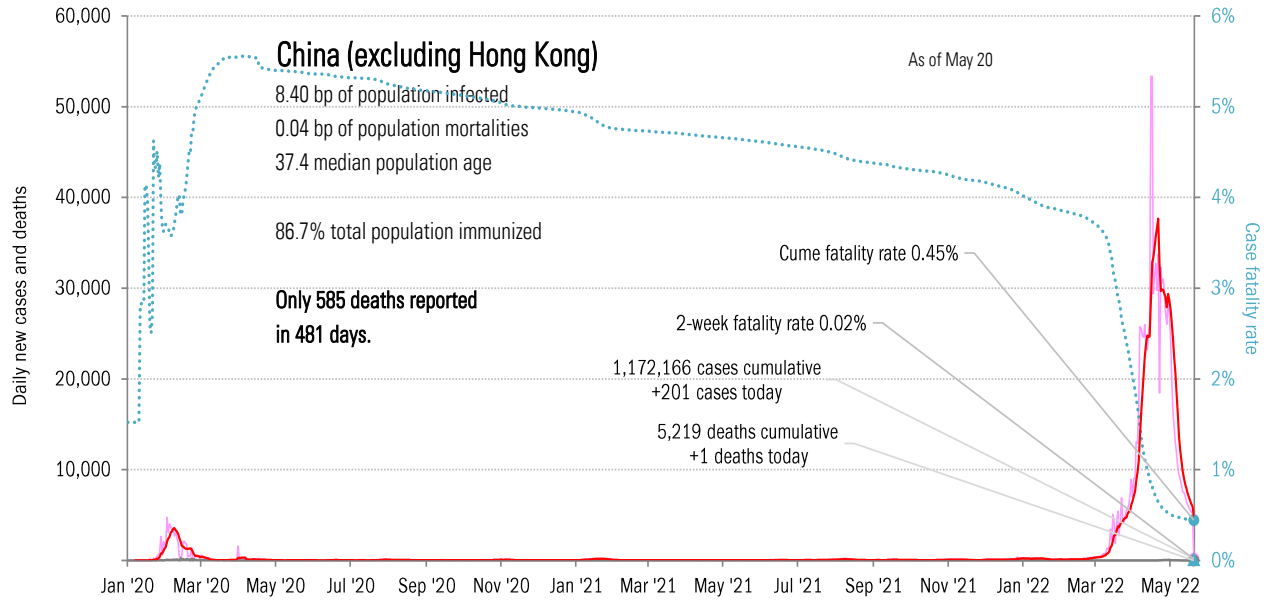
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

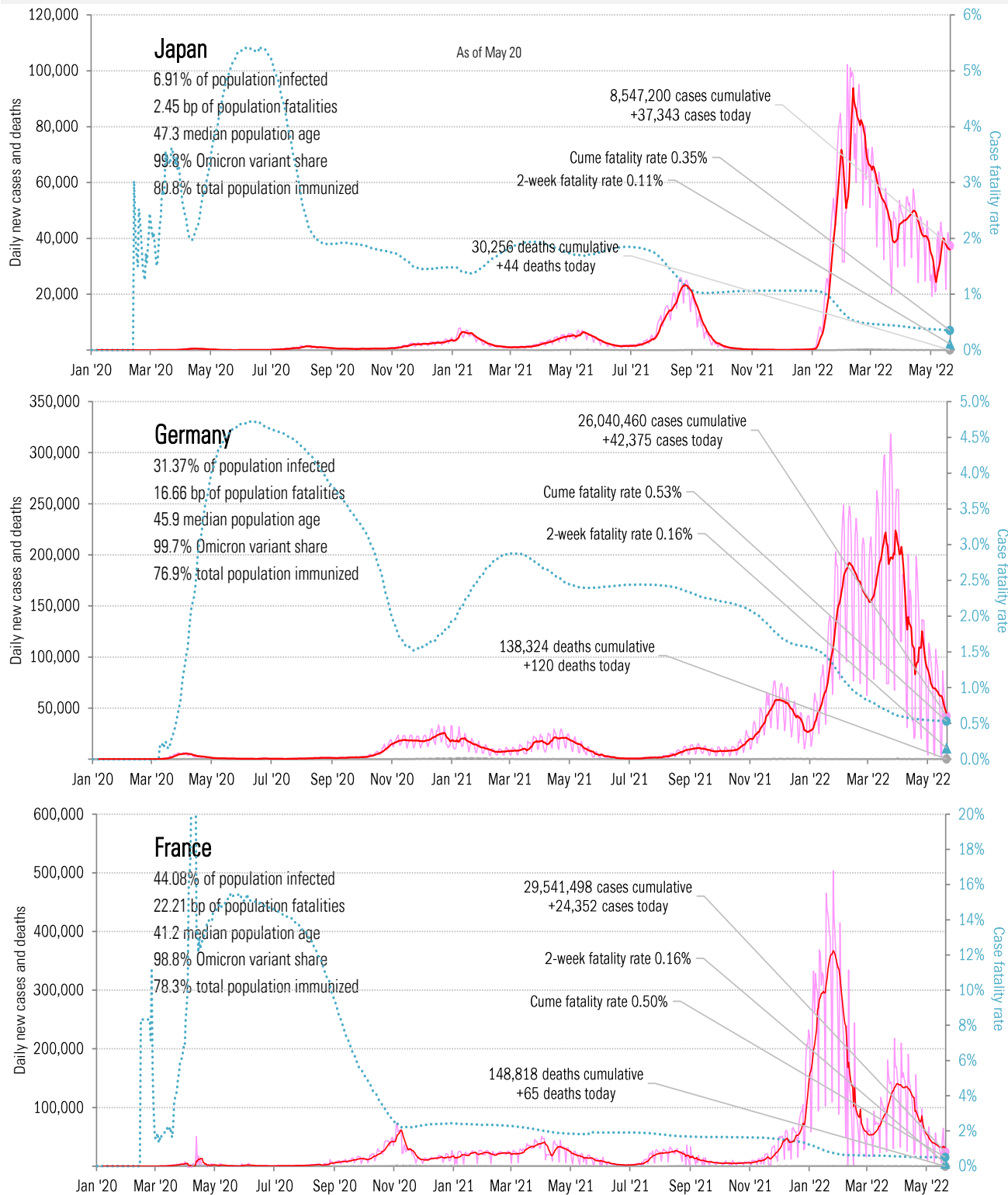
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

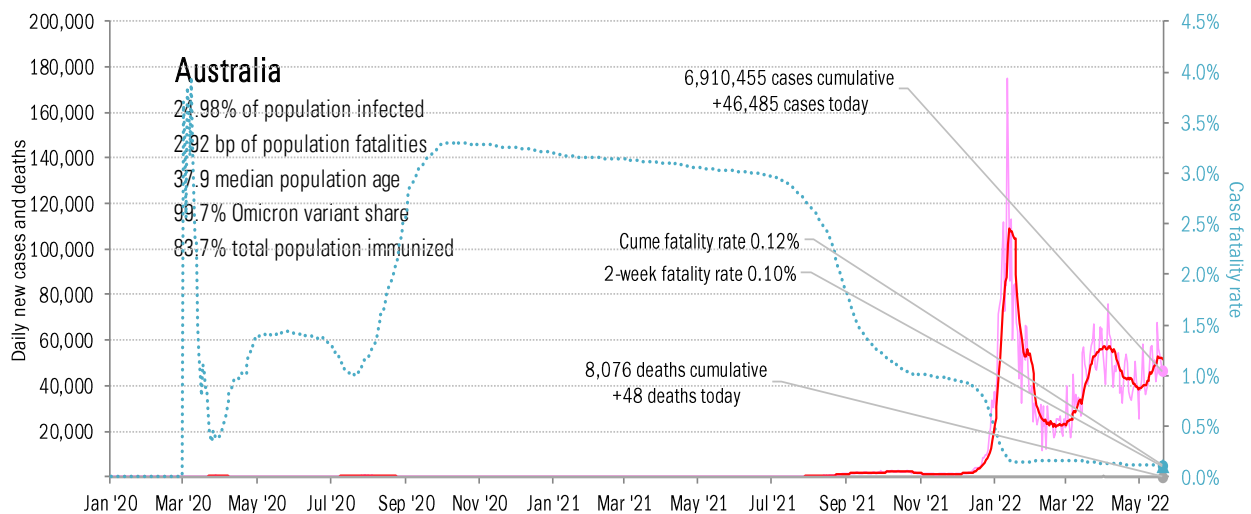
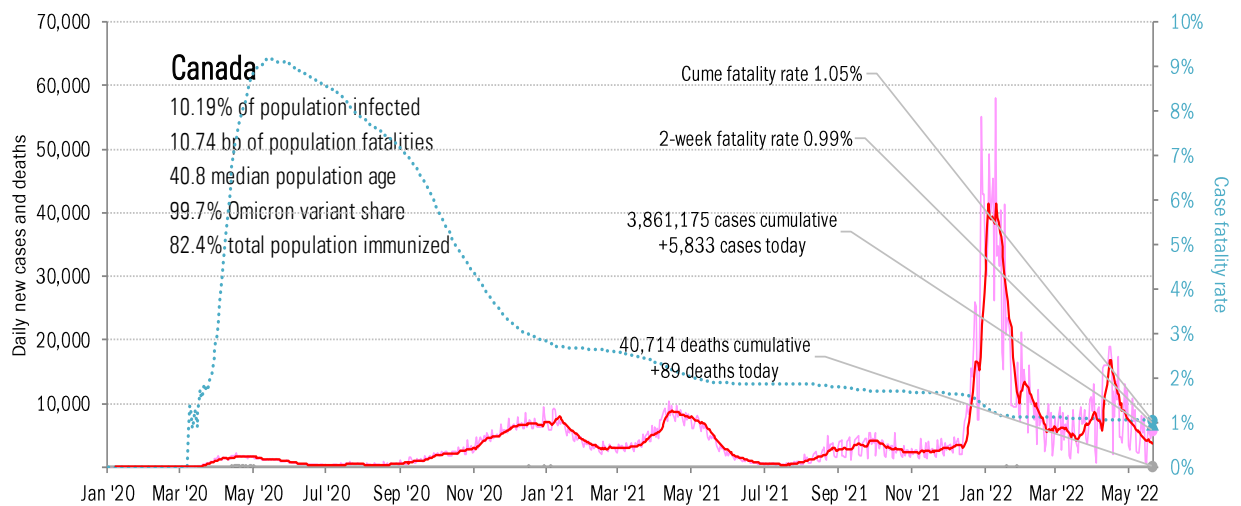
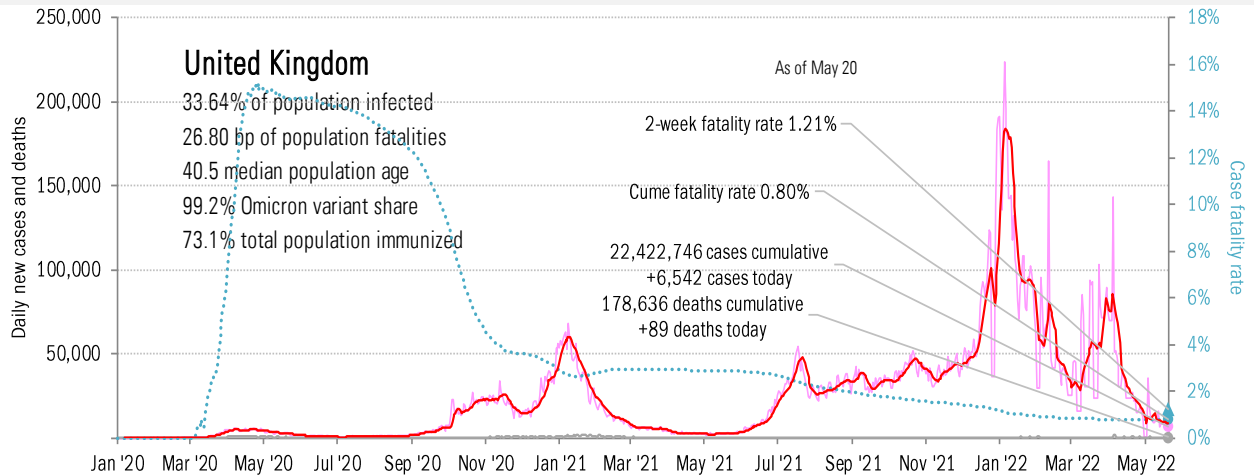
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

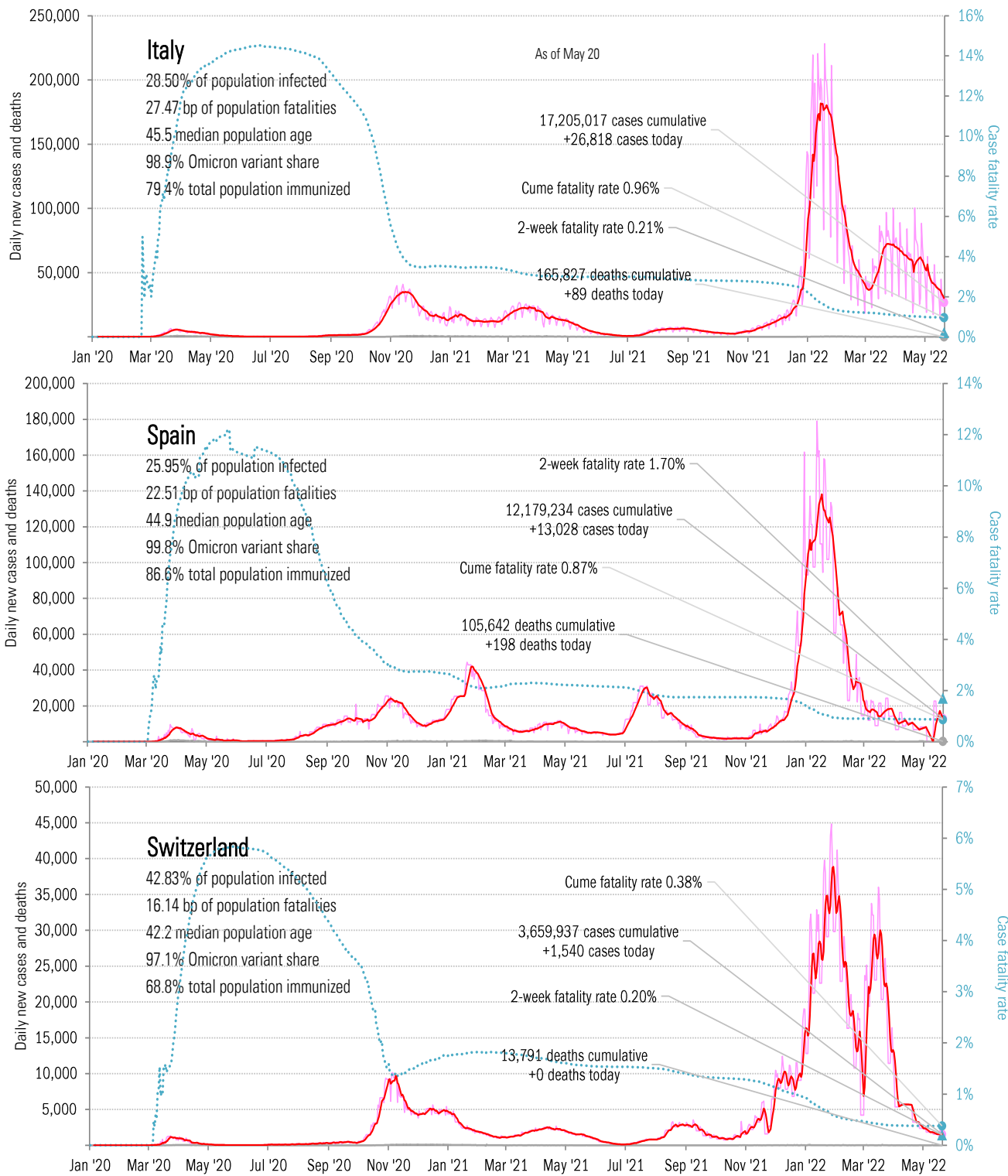


Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe

Cases: 7-day average and daily Deaths: Daily

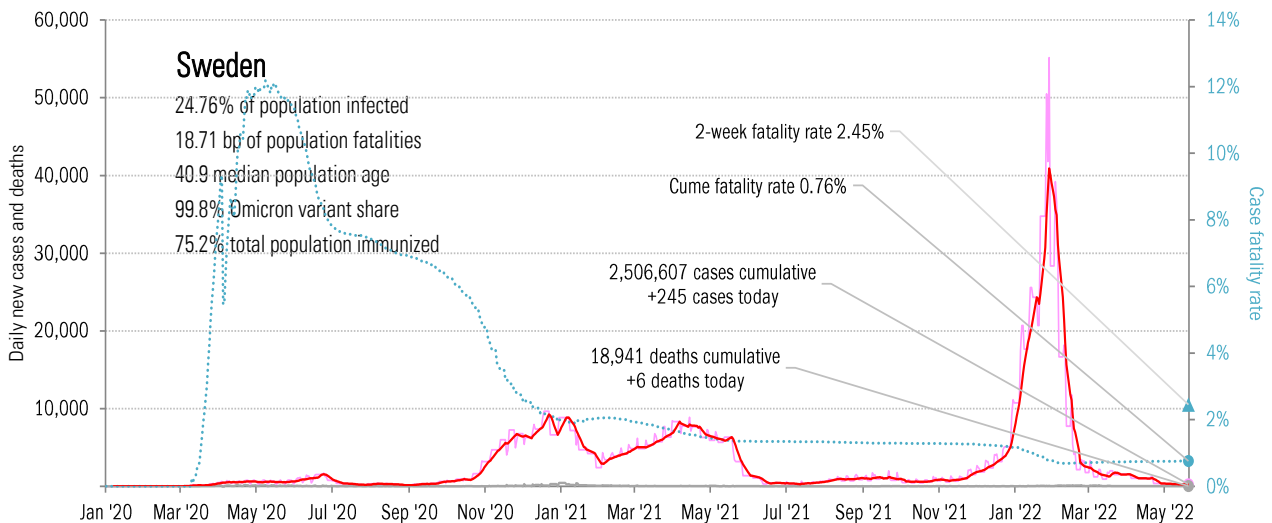
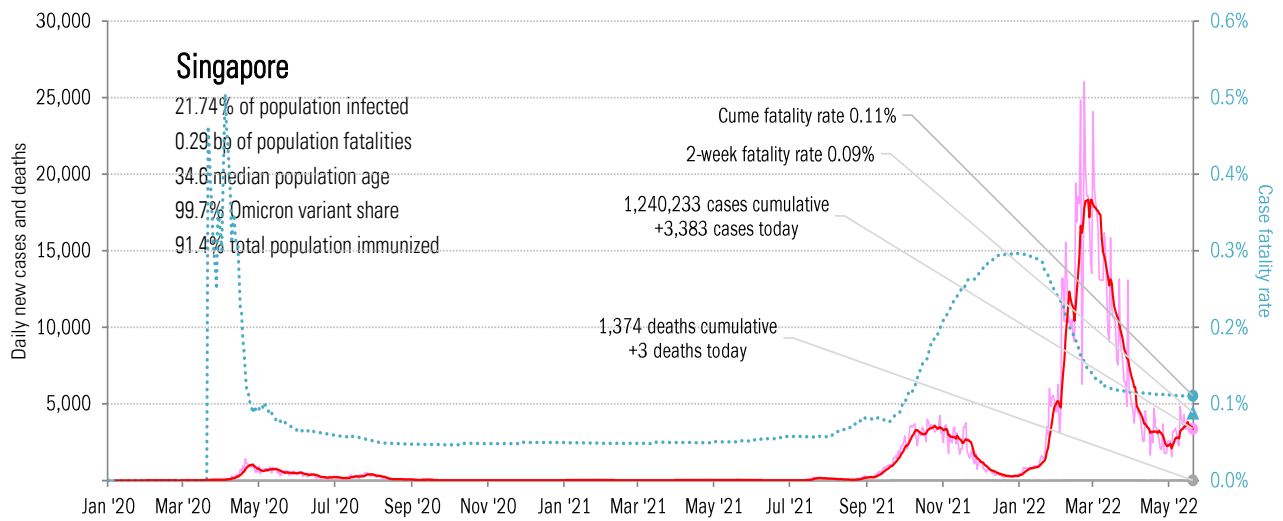
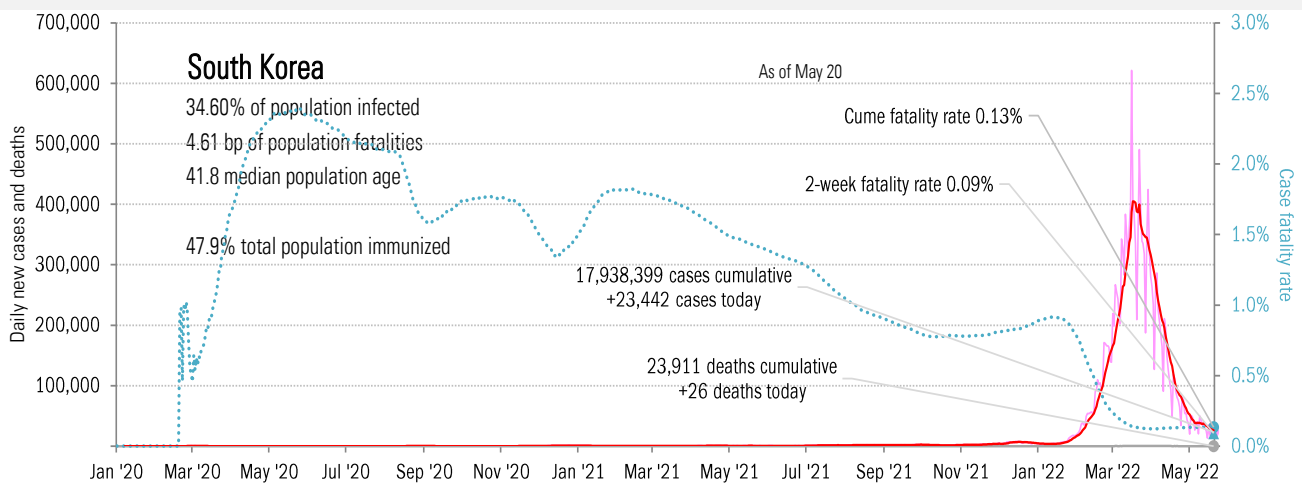




Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots

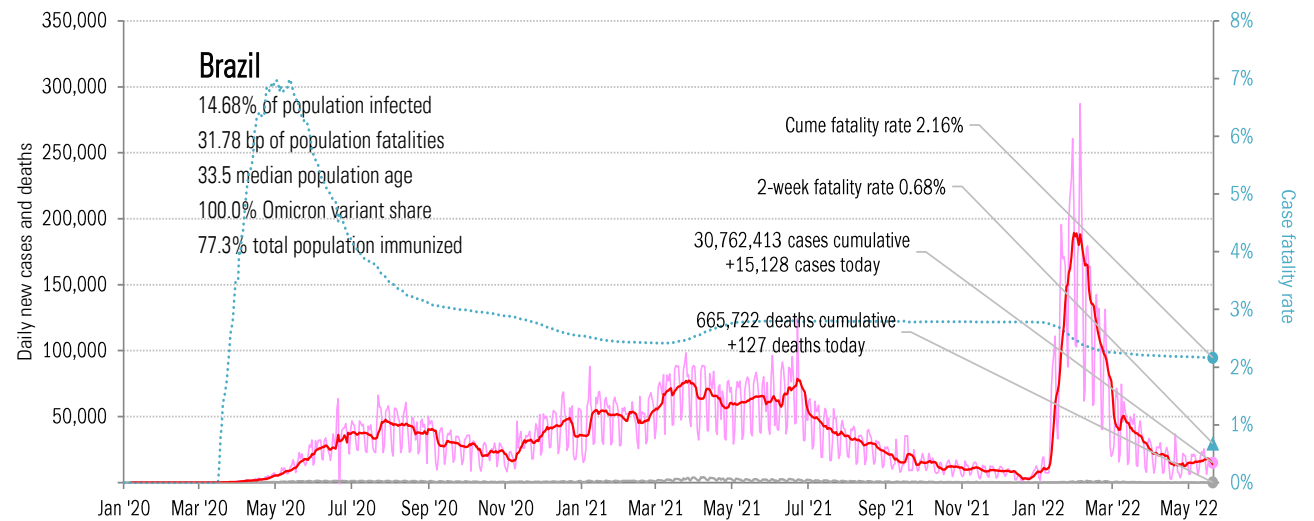
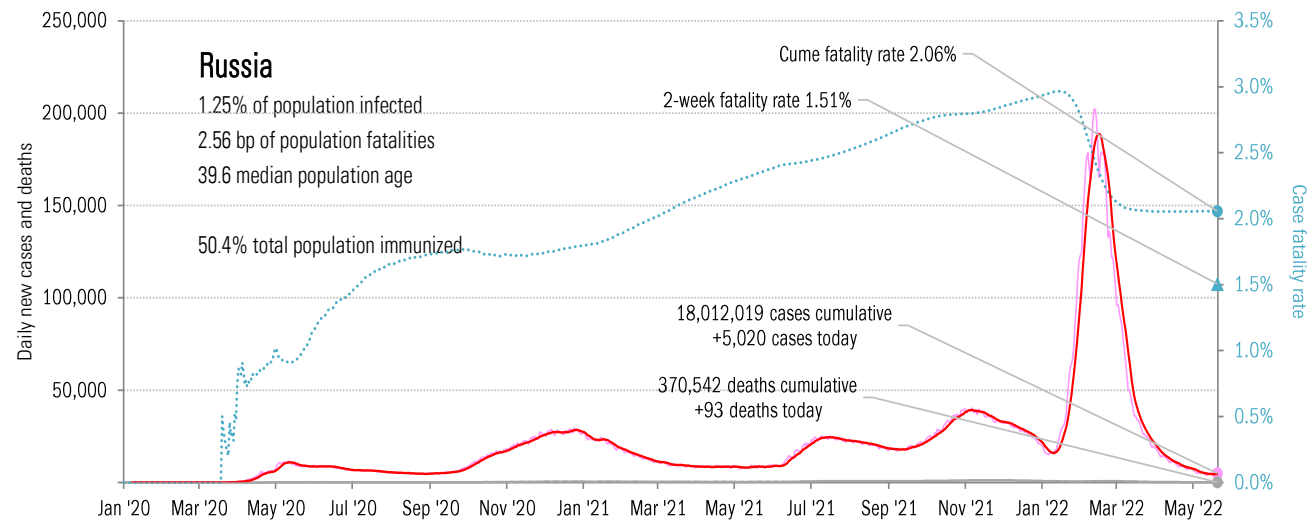
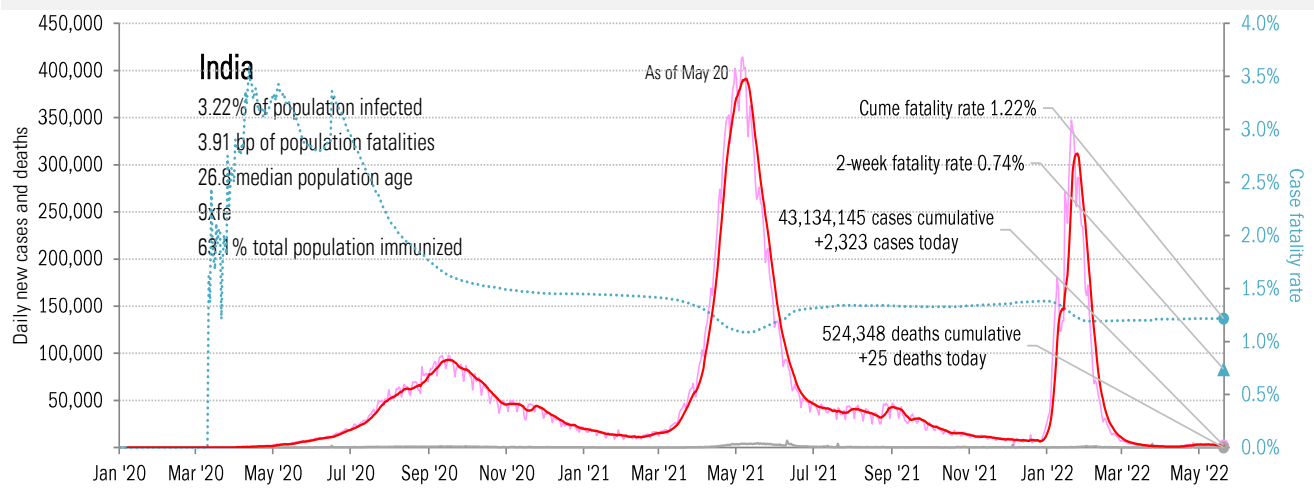
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

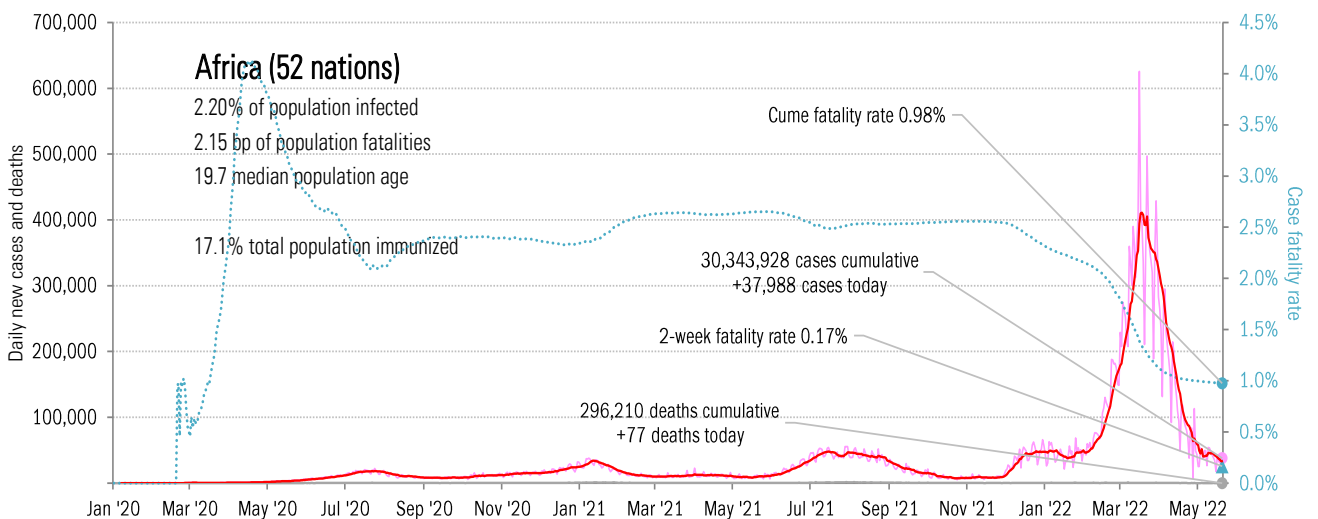
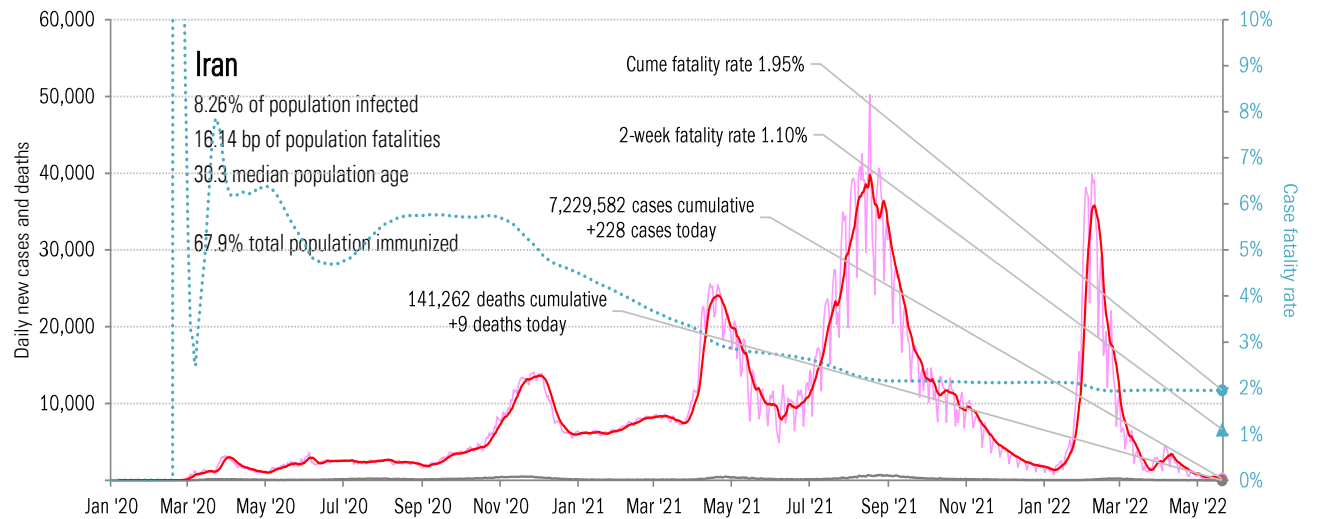
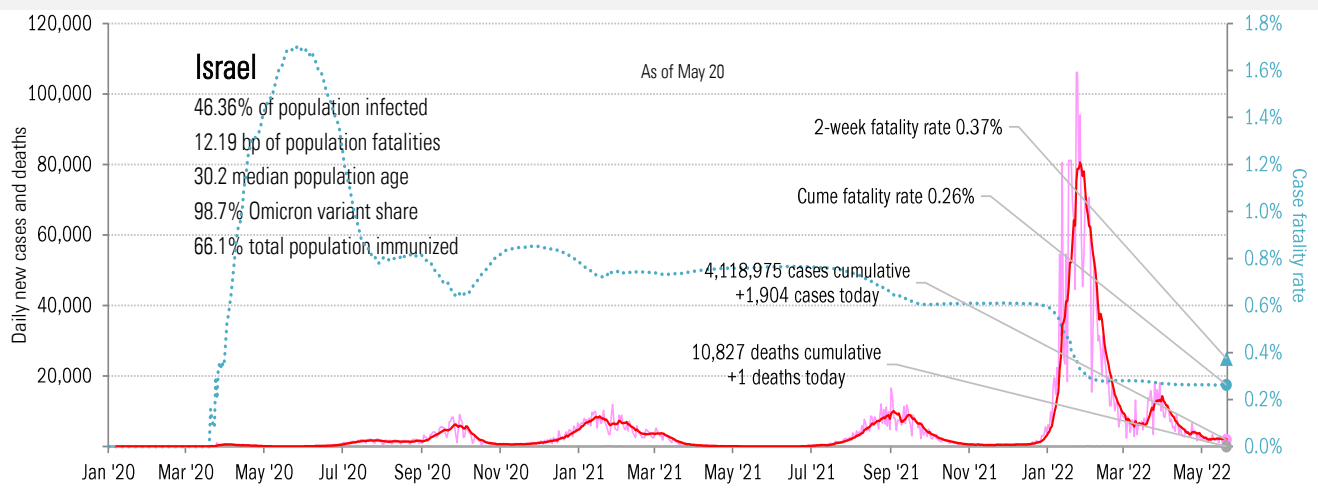
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

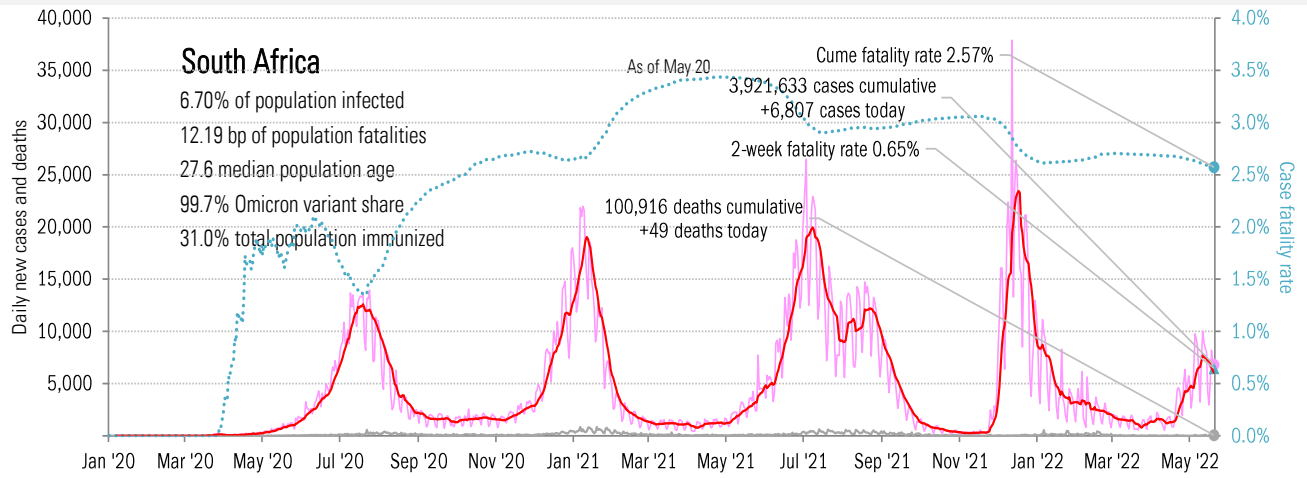
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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