

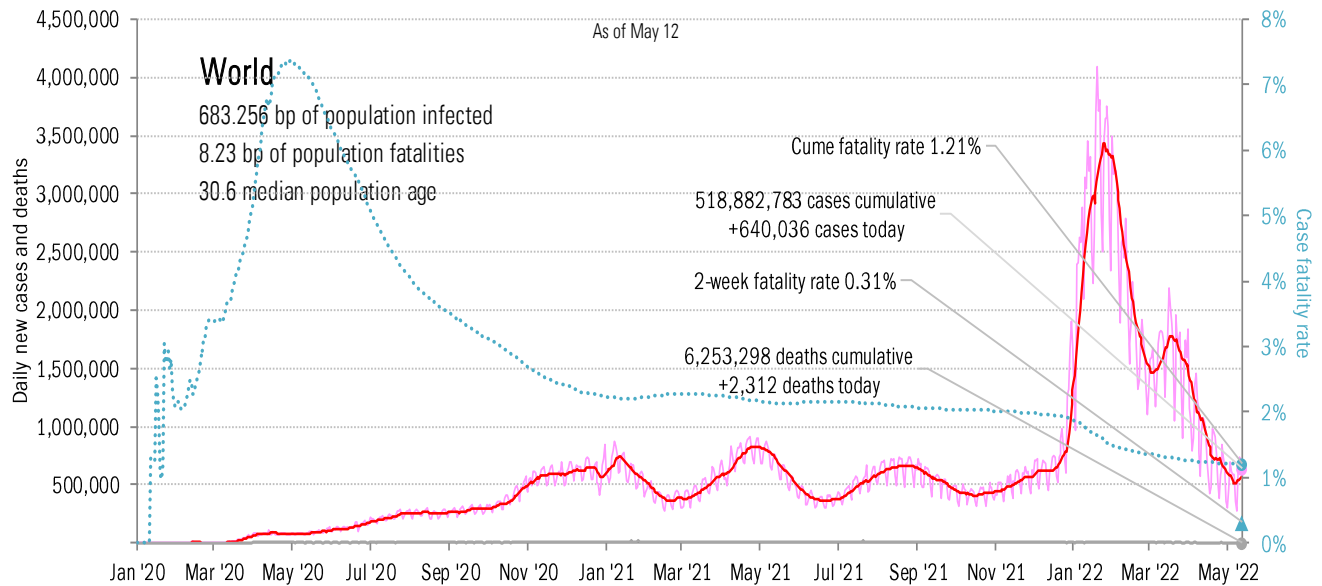
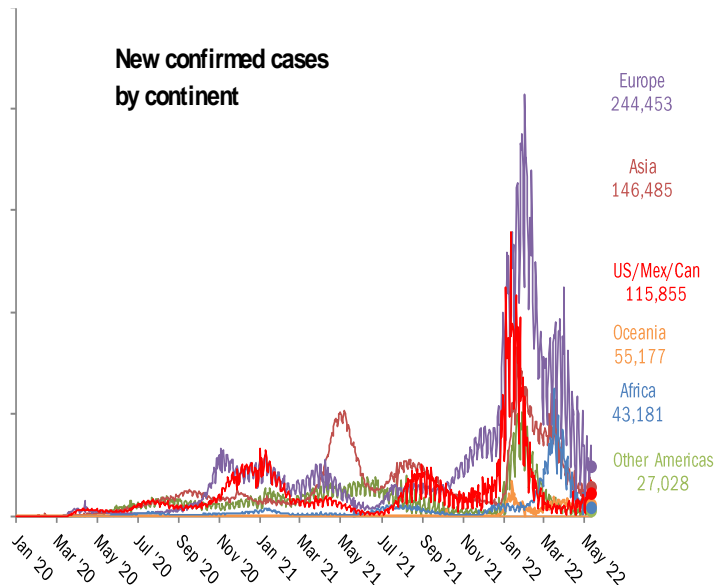
## Data Insights: Covid-2019 Monitor

Friday, May 13, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	110,370	United States	498
Germany	68,999	United Kingdom	186
Taiwan*	65,415	Germany	164
Australia	47,516	Canada	155
Japan	41,648	Finland	134
Italy	39,483	Italy	130
France	36,148	Brazil	124
Korea, South	32,409	Russia	108
Portugal	24,399	France	84
Brazil	21,344	Sweden	73
487,731		1,656	
World	640,036	World	2,312
Top ten	76%	Top ten	72%



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

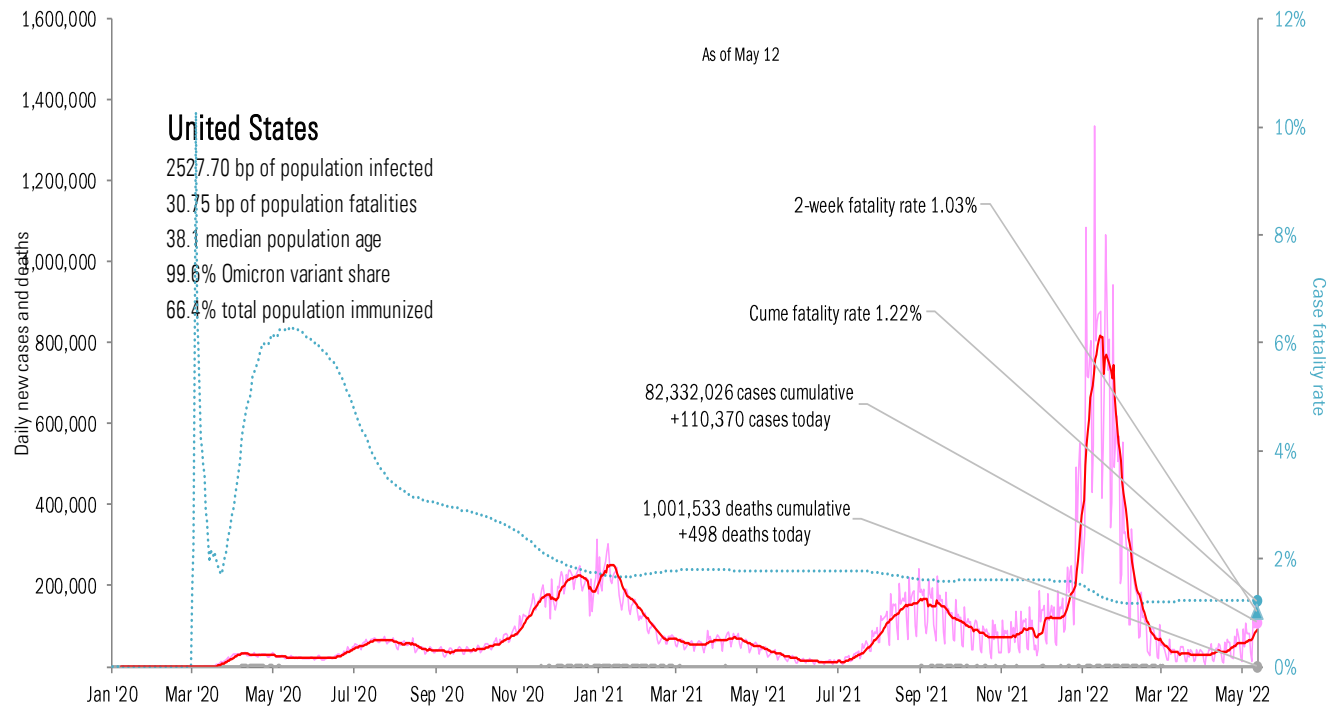
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CH	15,970		CH	57		MA	138		CA	9,327,154		CA	90,646		TX	491,445		RI	92%	RI	88%
NY	13,505		CK	56		GA	75		TX	6,862,232		TX	88,226		CA	429,080		MA	87%	AL	82%
CO	10,318		CA	23		PA	144		FL	6,008,714		FL	74,284		FL	419,500		MN	86%	TX	82%
FL	7,073		NY	21		CA	240		NY	5,277,782		NY	68,579		NY	255,675		PA	84%	DE	81%
MA	6,523		MA	18		VI	70		IL	3,200,930		PA	44,814		GA	208,266		MO	84%	MA	81%
PR	6,373		AL	17		MI	116		PA	2,850,343		CH	38,550		CH	192,963		GA	83%	UT	81%
NJ	6,167		FL	17		IL	146		CH	2,724,041		GA	38,086		PA	178,732		DE	82%	NM	80%
IL	5,686		NJ	12		TN	35		NC	2,691,805		MI	36,140		IL	159,940		MD	82%	WA	80%
TX	4,503		MN	11		PR	39		GA	2,530,918		IL	36,131		MI	143,929		WA	82%	KY	80%
UT	3,385		TX	11		FL	235		MI	2,472,596		NJ	33,529		KY	133,415		MI	81%	NC	79%
79,503			243			1,238			43,946,515			548,985			2,612,945						
All states 110,370			498			2,884			All states 82,332,026			1,001,533			4,744,091			All states 70%		67%	
Top ten 72%			49%			43%			Top ten 53%			55%			55%			Median 76%		75%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-27,705	MD	-482	NY	-208	AK	+10 bp
PA	-19,611	FL	-137	CA	-38	CO	+10 bp
NC	-18,479	GA	-117	NJ	-29	ME	+10 bp
GA	-9,254	PA	-81	CT	-26	MI	+10 bp
H	-5,768	MI	-76	NC	-25	NC	+10 bp



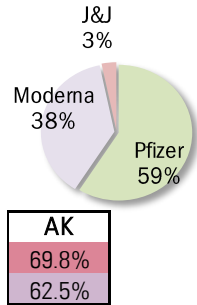
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	595,862,561	+0.242 million	US	66.4%	77.6%
Boosters	44,506,477	+0.117 million	UK	73.0%	78.1%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	265,505,042	79%	226,773,872	68%	+0.087 million
Age 12 to 17	17,726,123	70%	15,171,088	60%	+0.007 million
Age 18 to 64	178,490,544	88%	151,846,260	75%	+0.062 million
Age 65 and over	58,929,731	100%	51,391,223	94%	+0.017 million

France	78.3%	80.6%
Spain	86.5%	88.2%
Germany	76.8%	76.9%
Italy	79.4%	84.1%
Australia	83.6%	86.5%
Israel	66.1%	72.2%
Canada	82.3%	85.9%
Japan	80.7%	82.0%
Africa	16.9%	22.3%
India	62.6%	72.3%
Brazil	77.2%	85.6%
China	86.6%	89.1%

Global data differs due to sources, timing



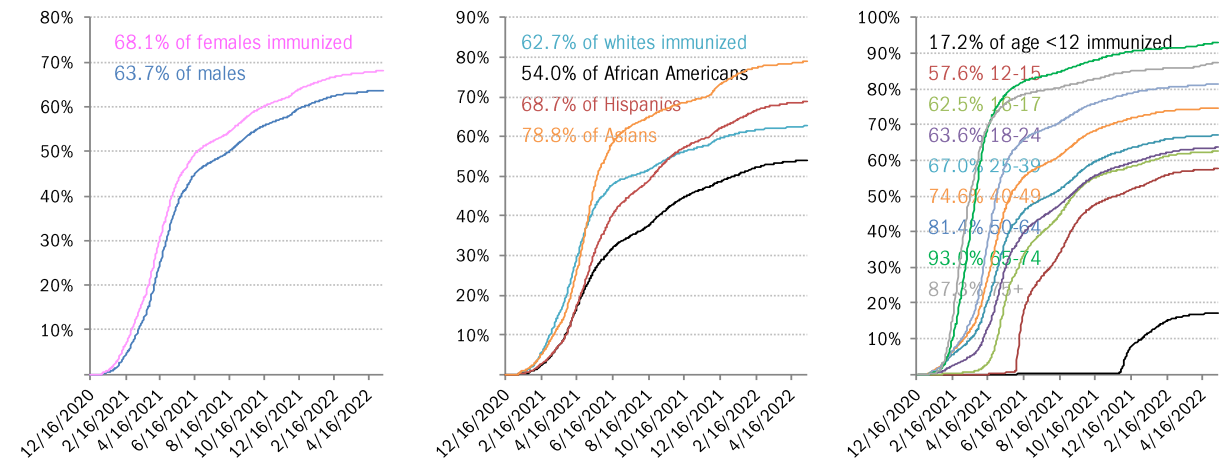
State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

\*Immunity\* = two doses

As of May 12

AK	WI	ME								
69.8%	71.9%	90.8%								
62.5%	65.7%	79.8%								
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
80.9%	61.7%	65.3%	65.7%	75.2%	76.9%	67.1%	90.3%	93.7%	88.5%	
72.7%	54.6%	56.9%	55.7%	69.3%	69.1%	60.3%	77.1%	81.3%	70.7%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.0%	75.4%	58.1%	76.8%	68.0%	61.5%	63.7%	85.1%	90.5%	95.0%	
69.8%	61.0%	51.0%	61.7%	62.1%	54.9%	58.8%	68.7%	75.8%	79.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.3%	72.2%	79.5%	70.4%	66.3%	66.2%	65.1%	85.9%	86.6%	95.0%	95.0%
72.4%	64.4%	70.4%	63.7%	56.2%	57.5%	57.7%	73.4%	75.8%	79.4%	82.8%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
73.3%	88.0%	74.6%	66.8%	62.3%	84.5%	67.8%	95.0%	83.3%		
61.7%	71.3%	61.6%	54.6%	54.6%	61.4%	57.1%	77.8%	69.3%		
OK	LA	MS	AL	GA						
71.2%	61.1%	59.7%	62.8%	65.5%						
57.4%	53.6%	51.9%	51.2%	54.9%						
TX	FL	PR								
73.4%	79.5%	95.0%								
61.6%	67.1%	83.2%								
HI										
87.5%										
78.4%										

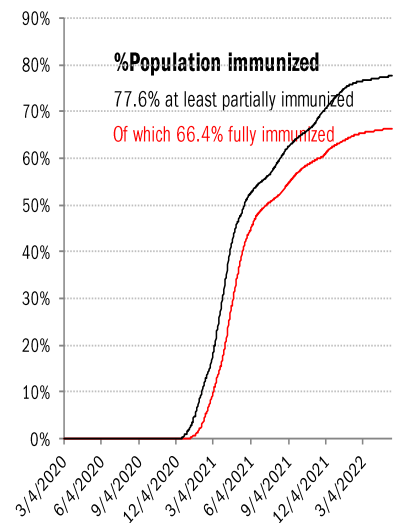
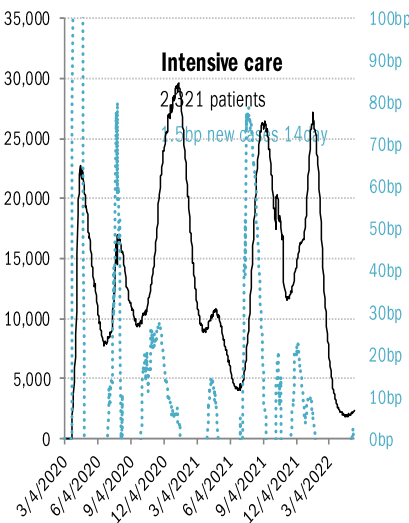
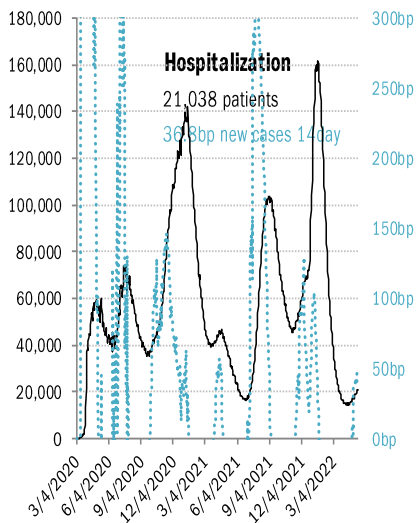
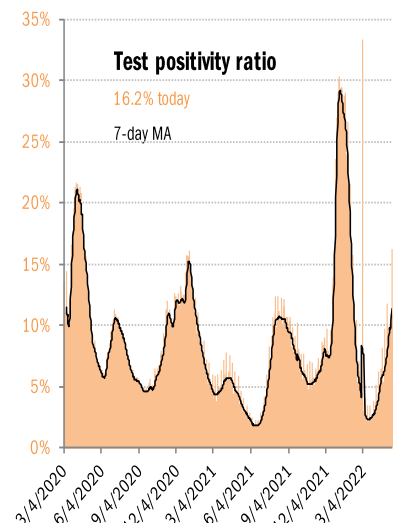
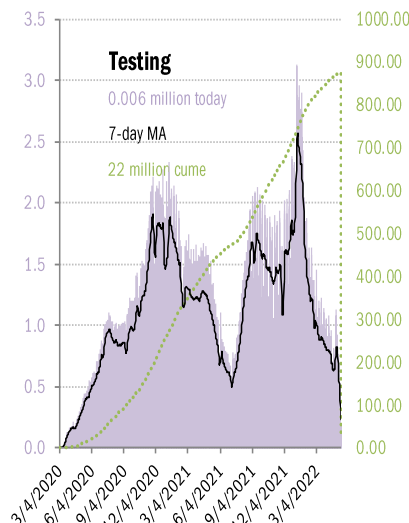
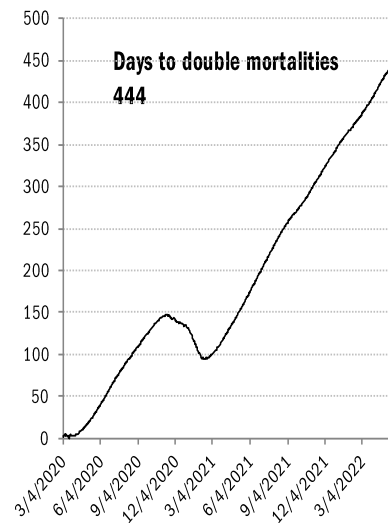
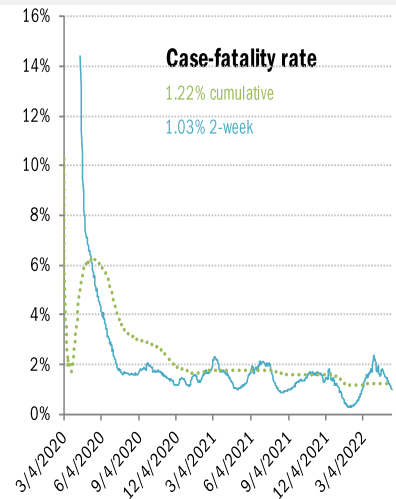
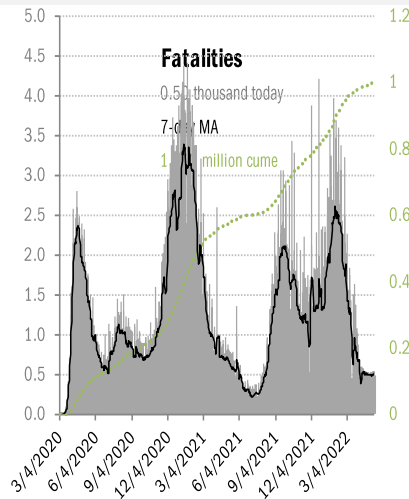
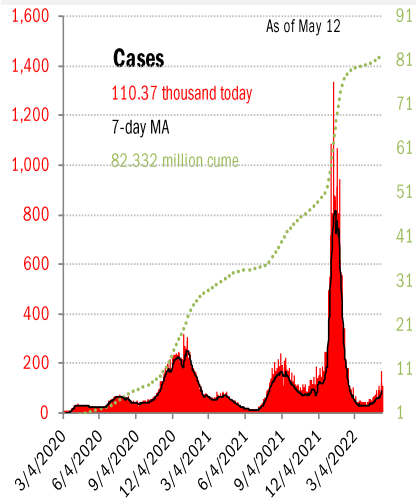
## The demographics of US vaccination



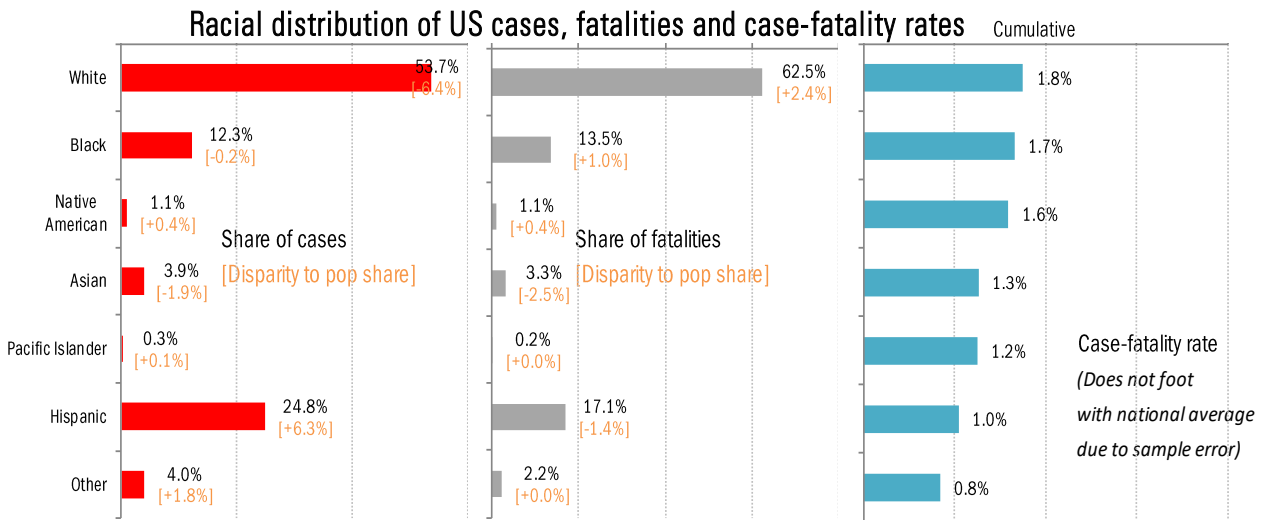
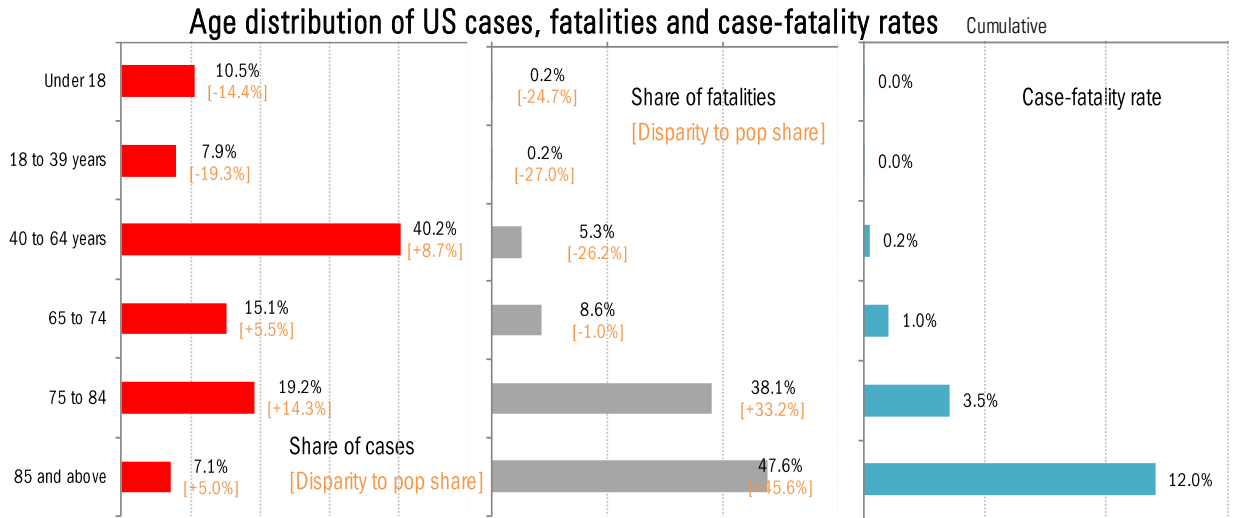
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

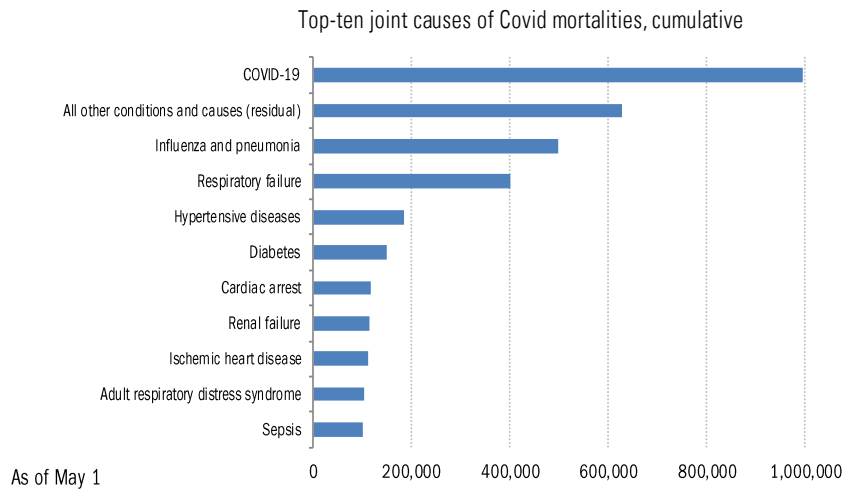
National and state-by-state data do not line up because of different sources



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



### 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

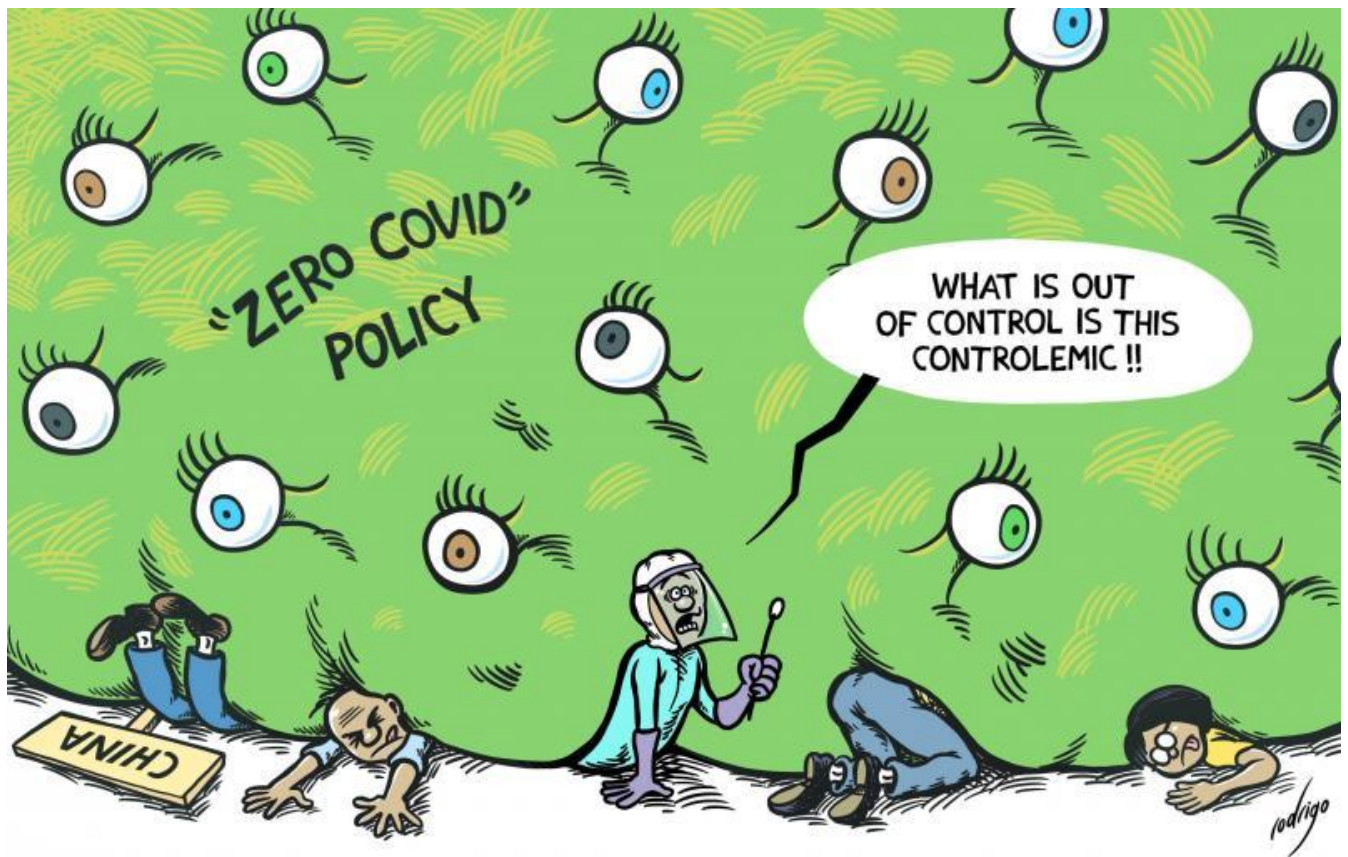
[Correlation Between Mask Compliance and COVID-19 Outcomes in Europe](#)

Beny Spira  
*Cureus*  
April 19, 2022

[Biden's bread line crisis? Anatomy of the American baby formula shortage](#)

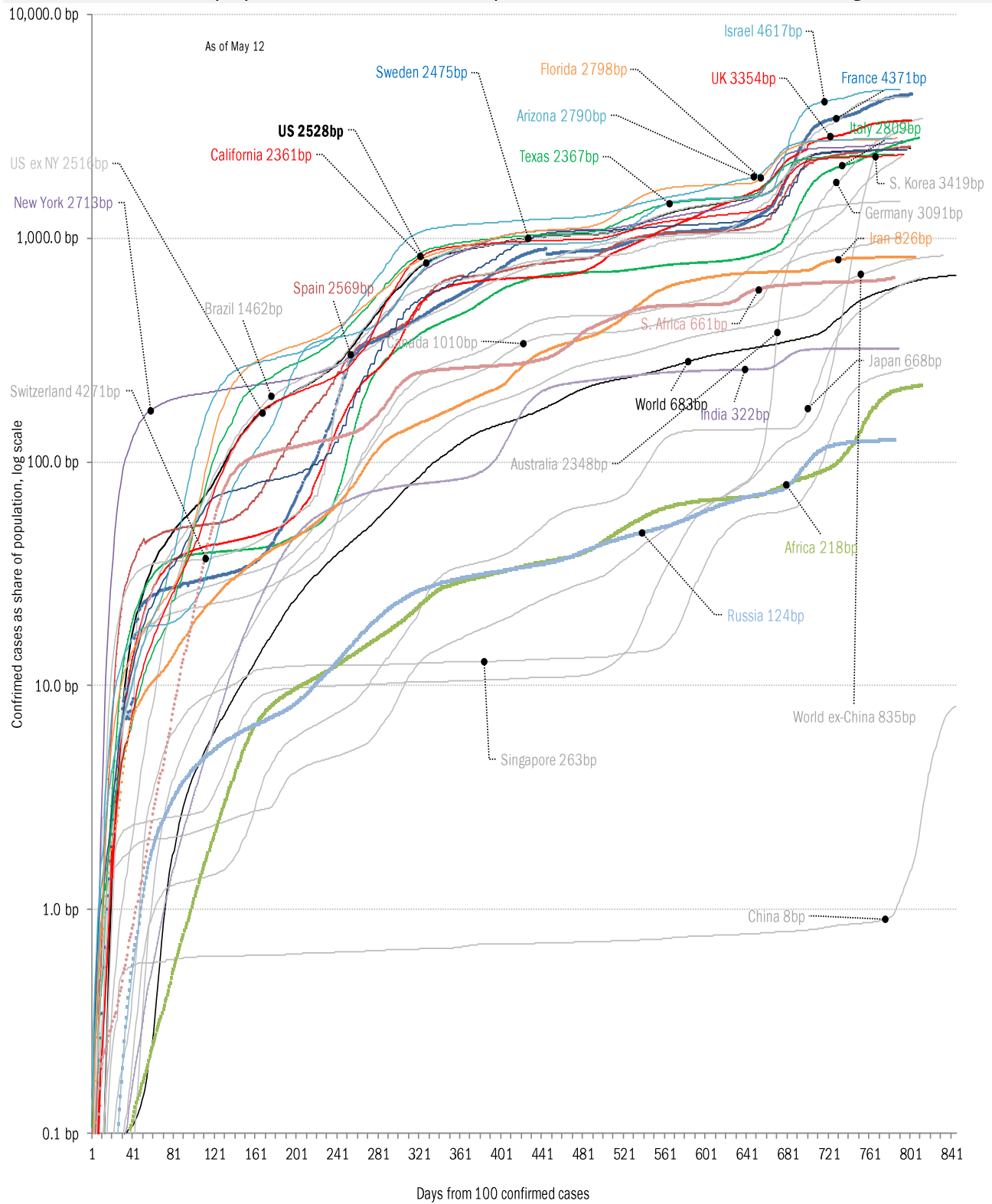
John Solomon  
*Just the News*  
May 7, 2022

## Meme of the day



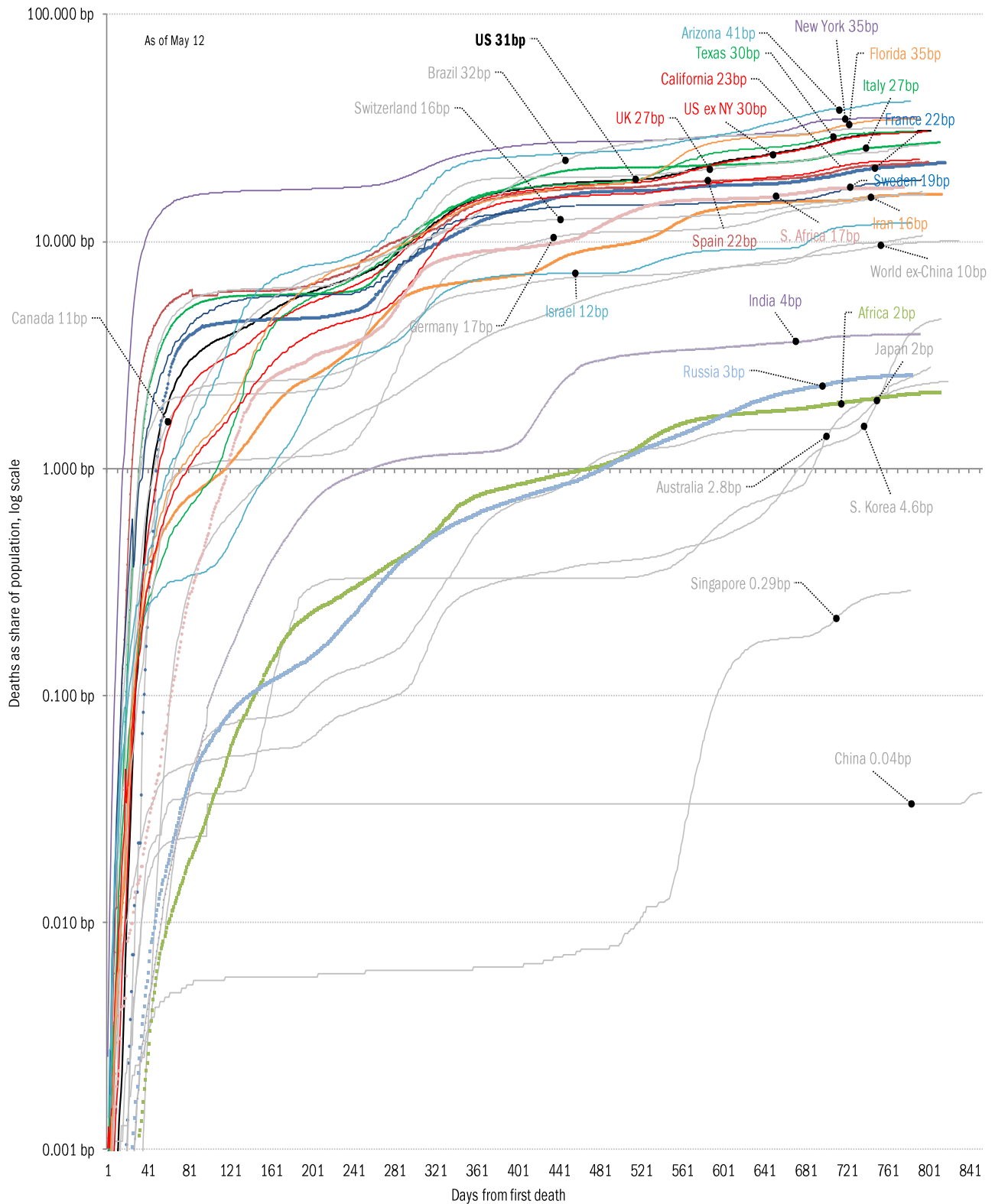
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



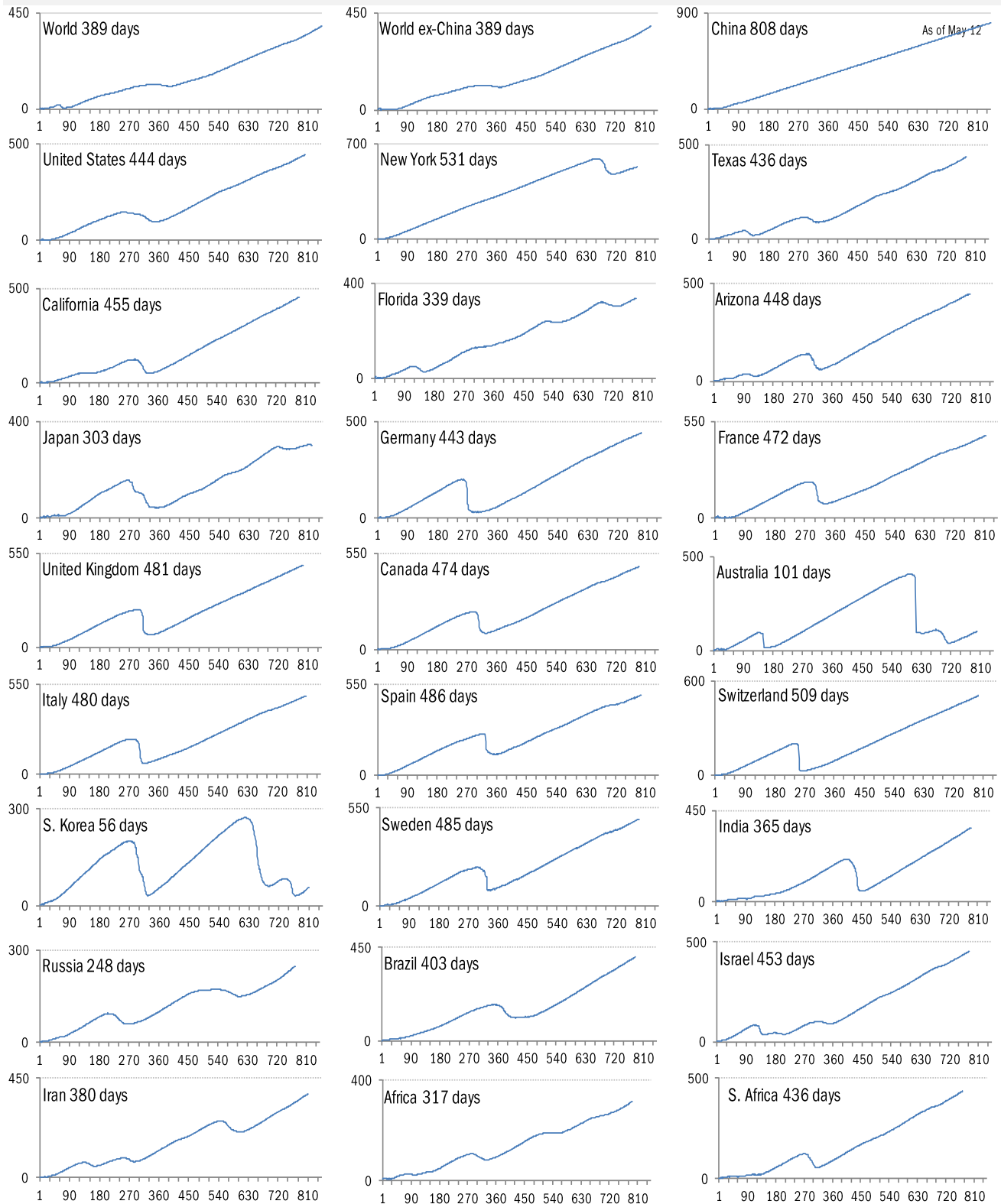
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

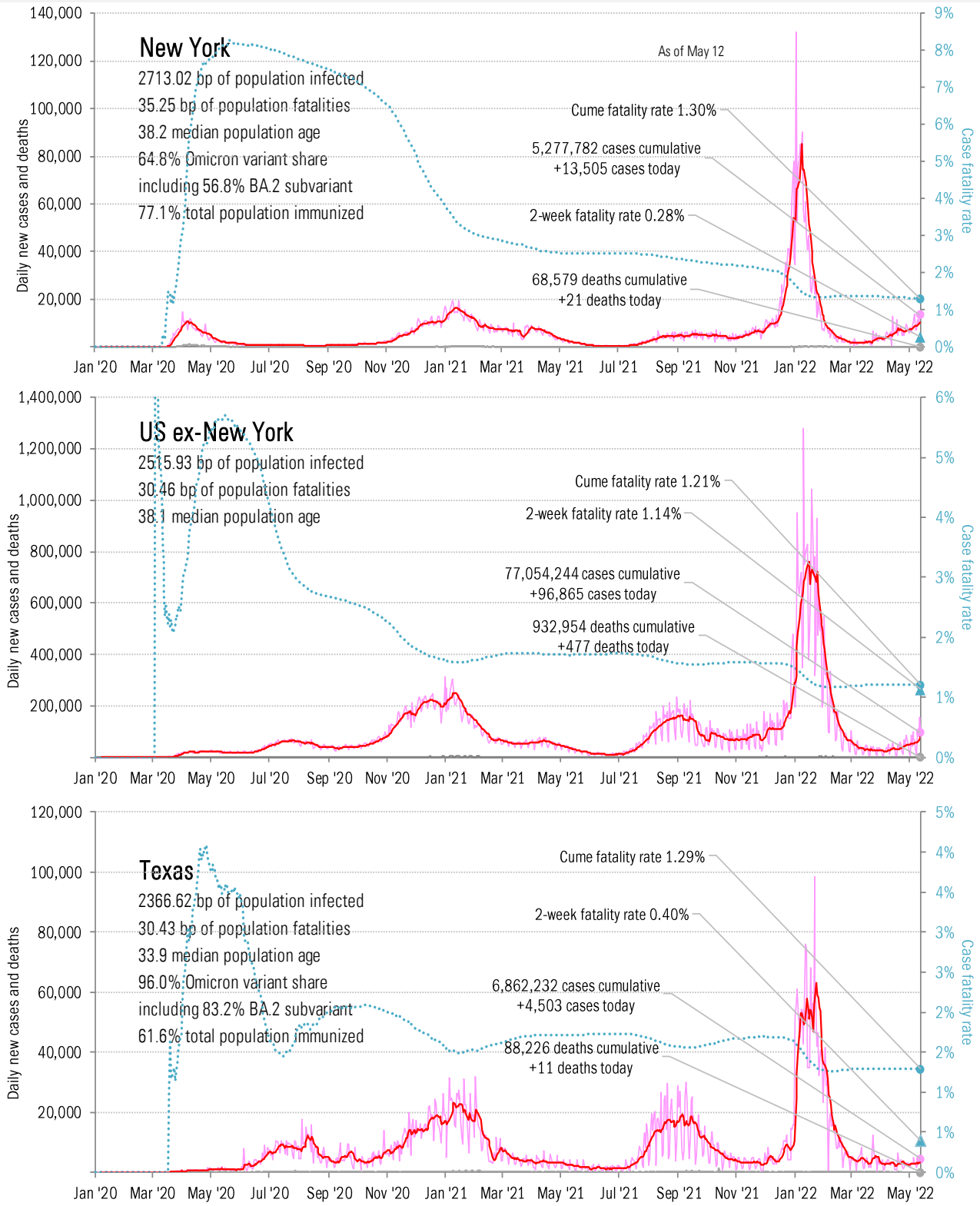
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

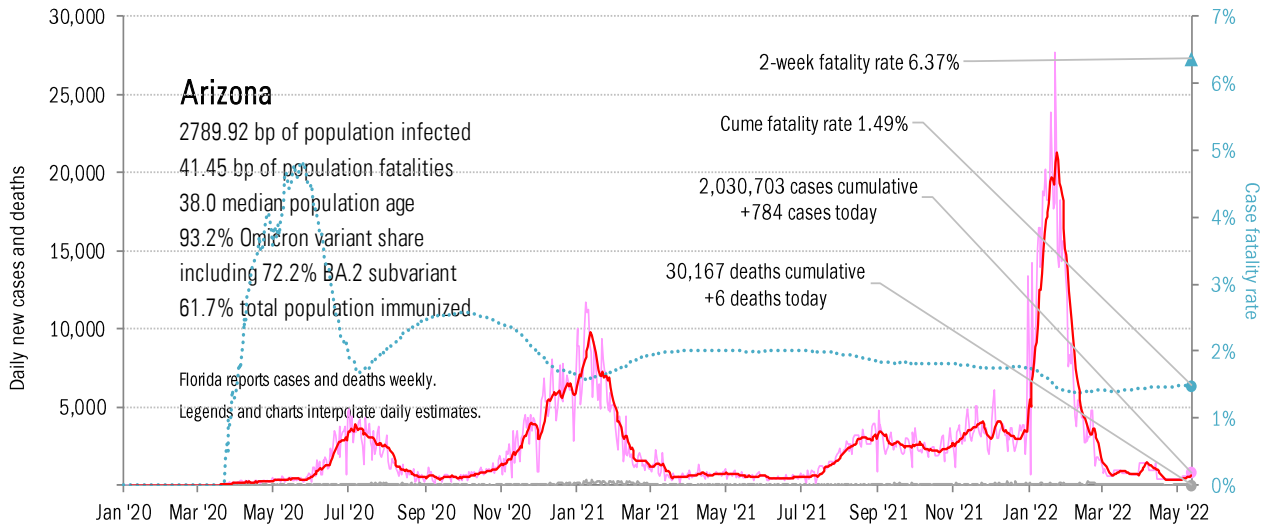
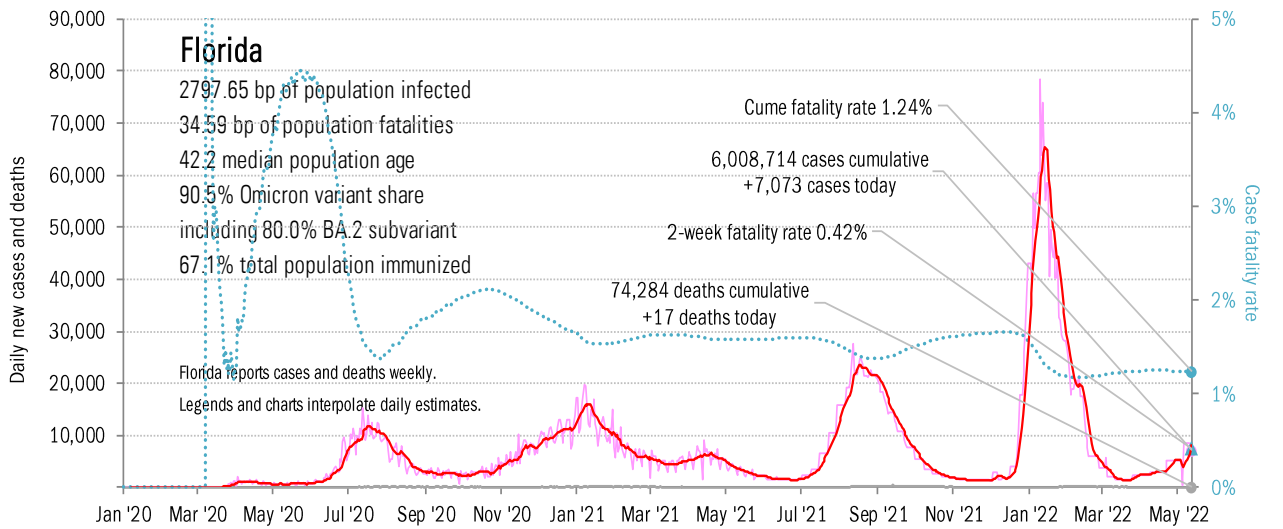
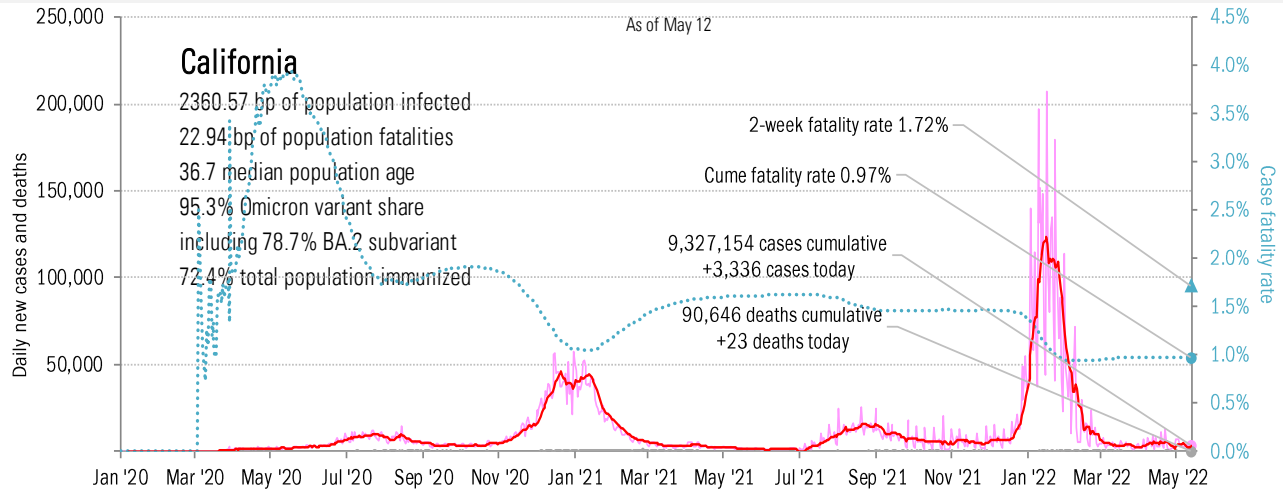
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

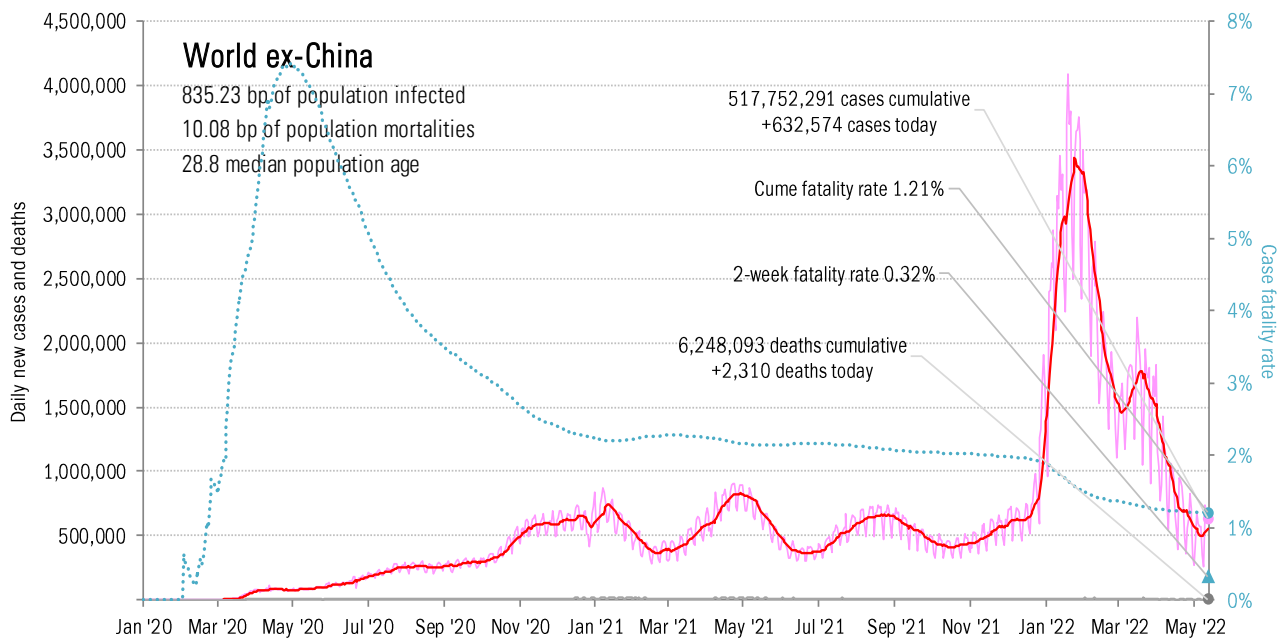
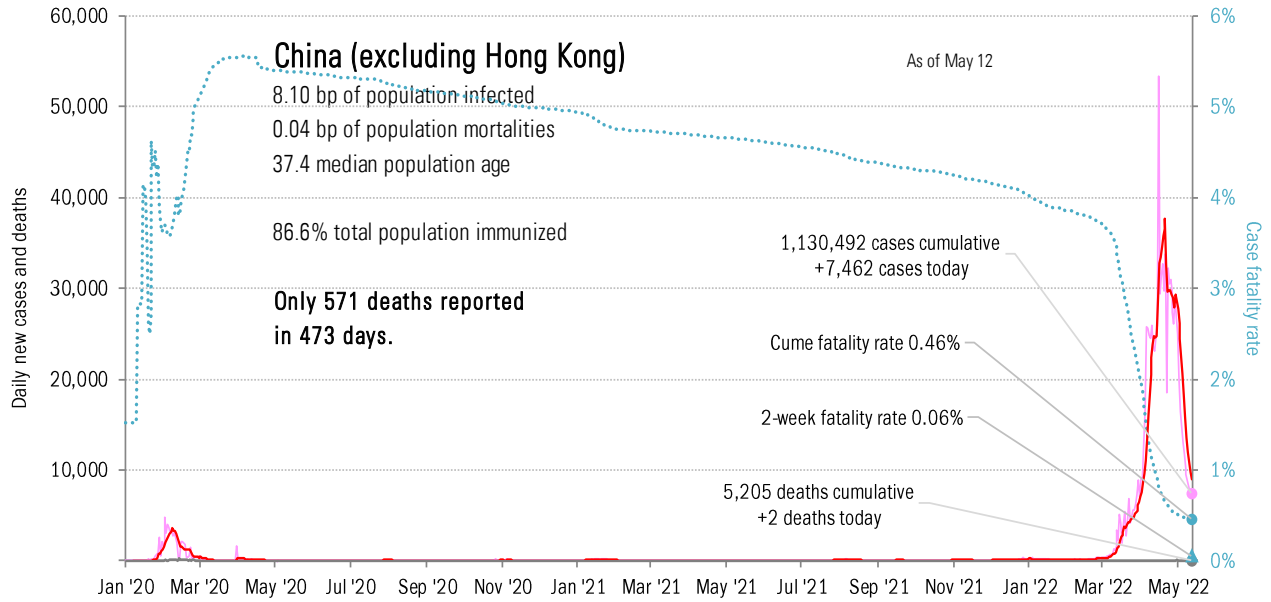
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

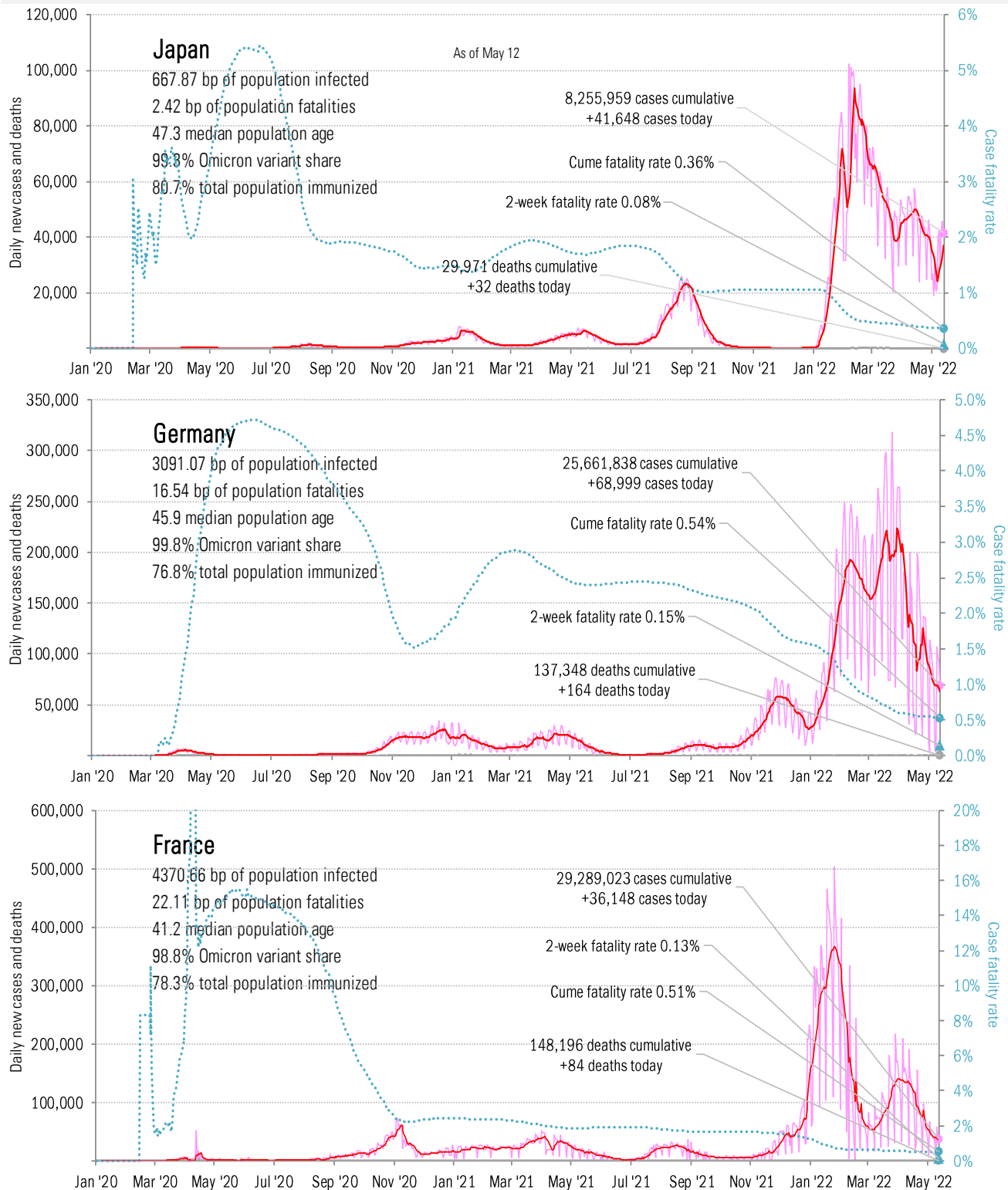


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

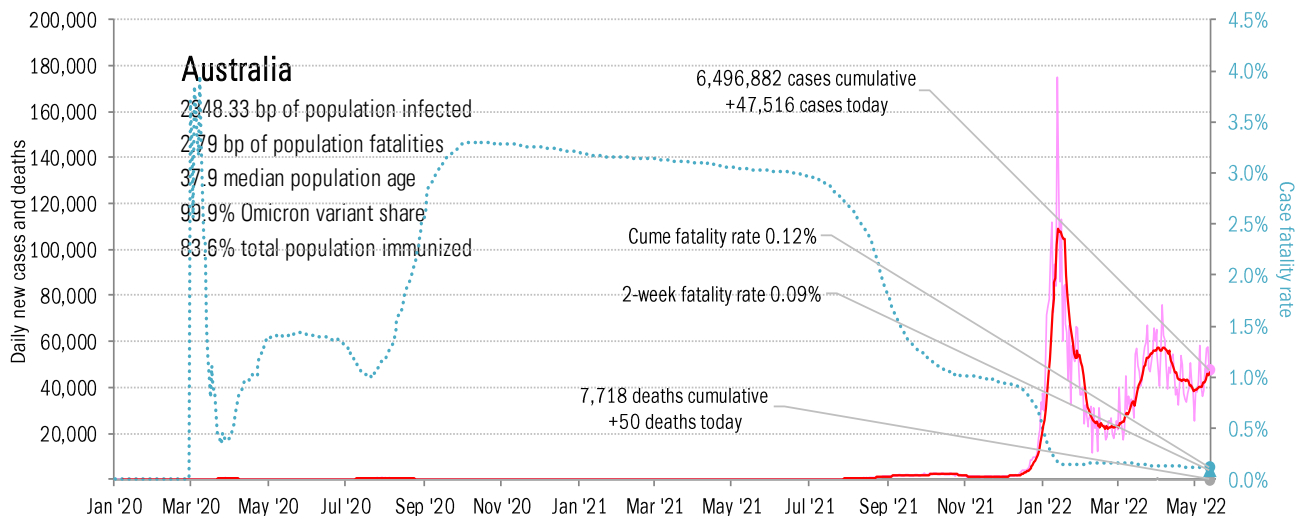
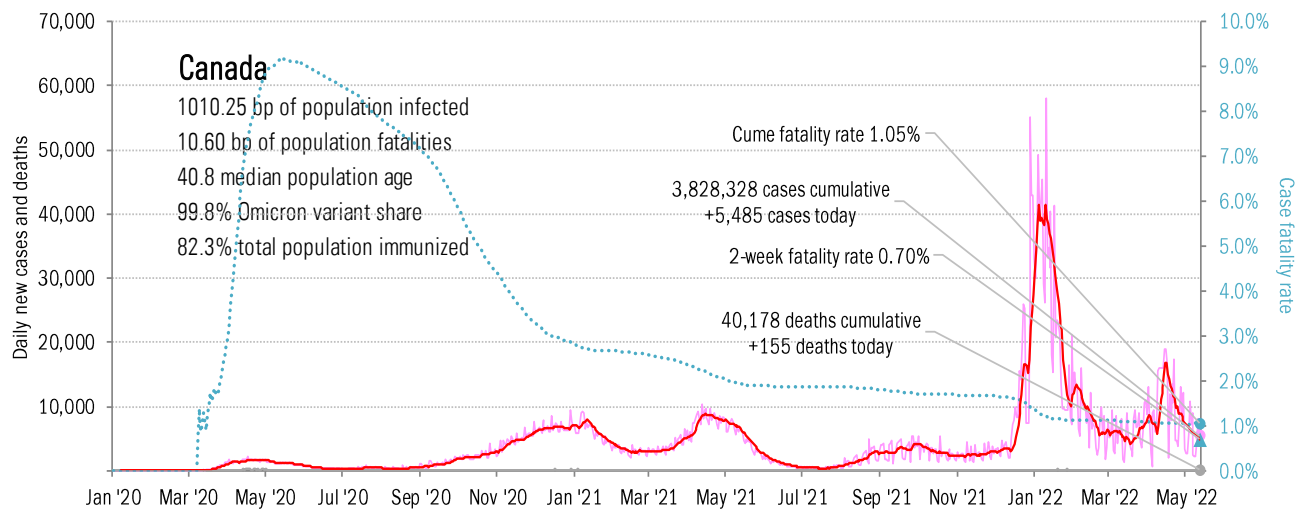
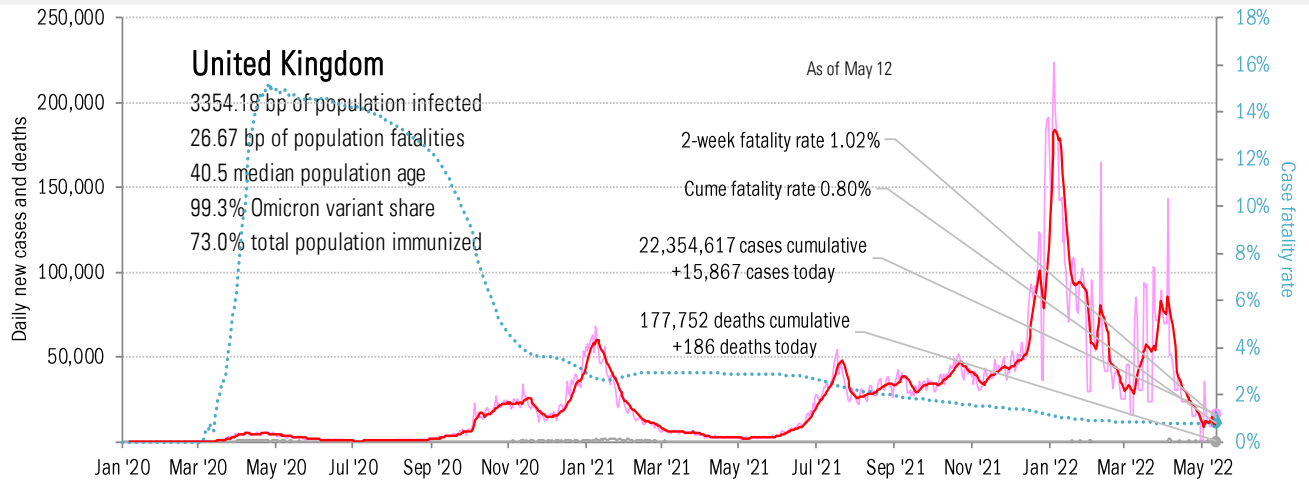
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

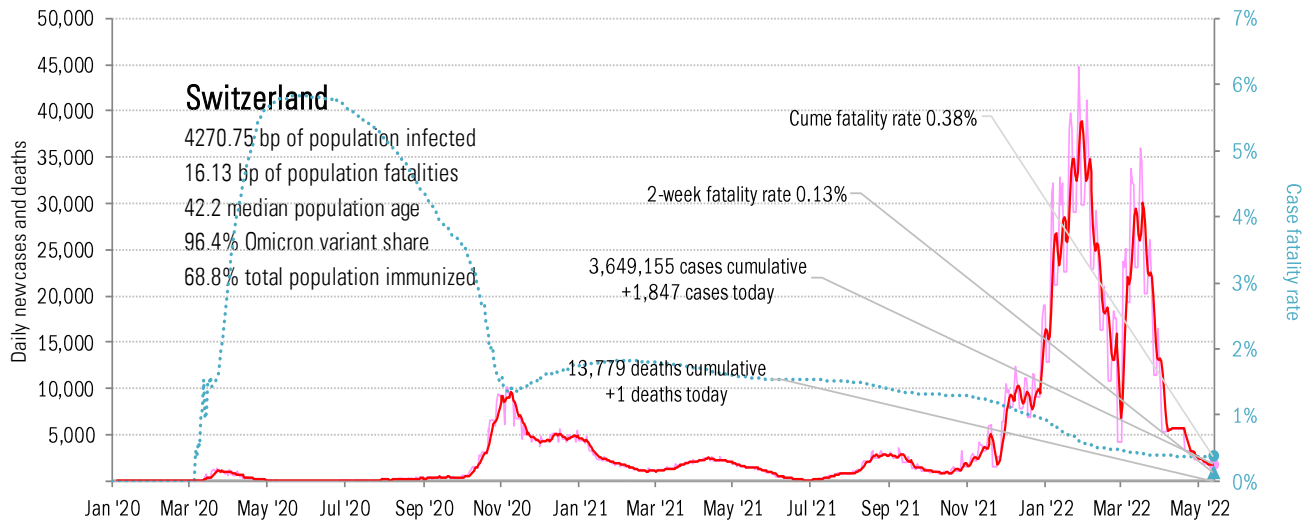
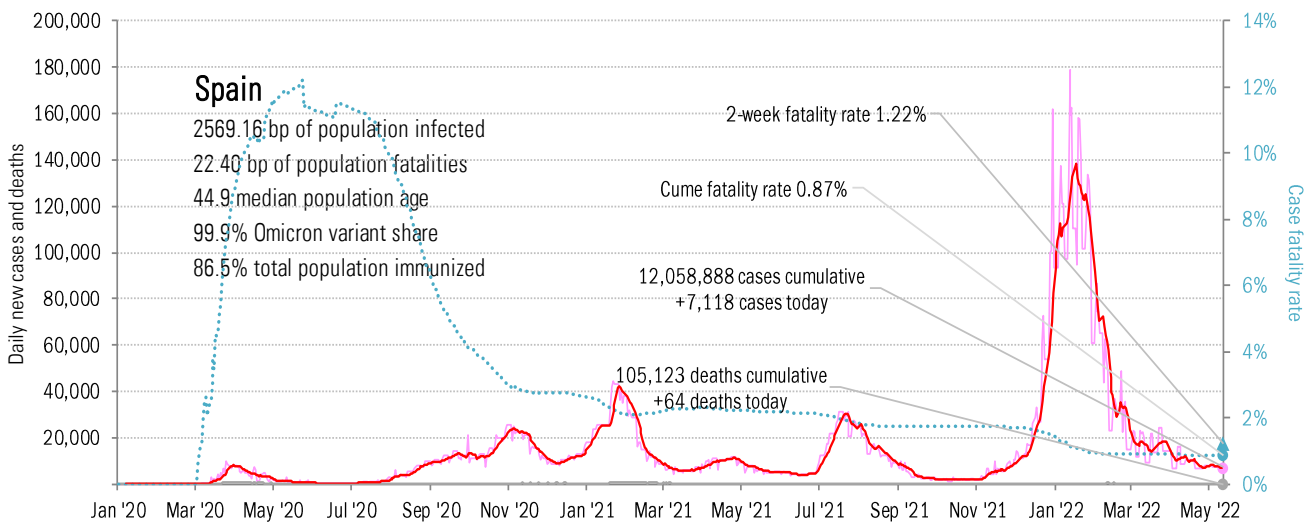
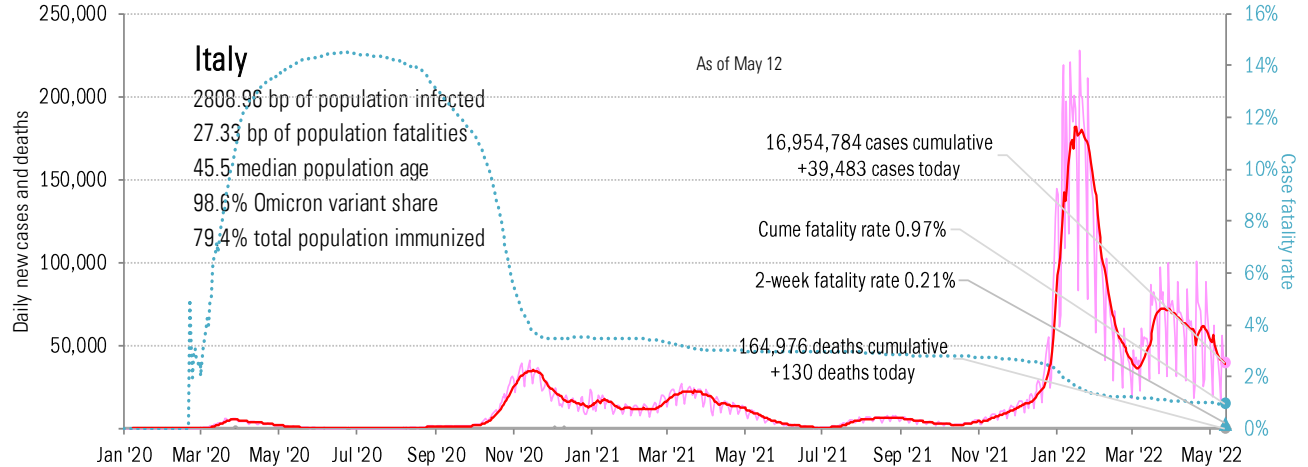
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

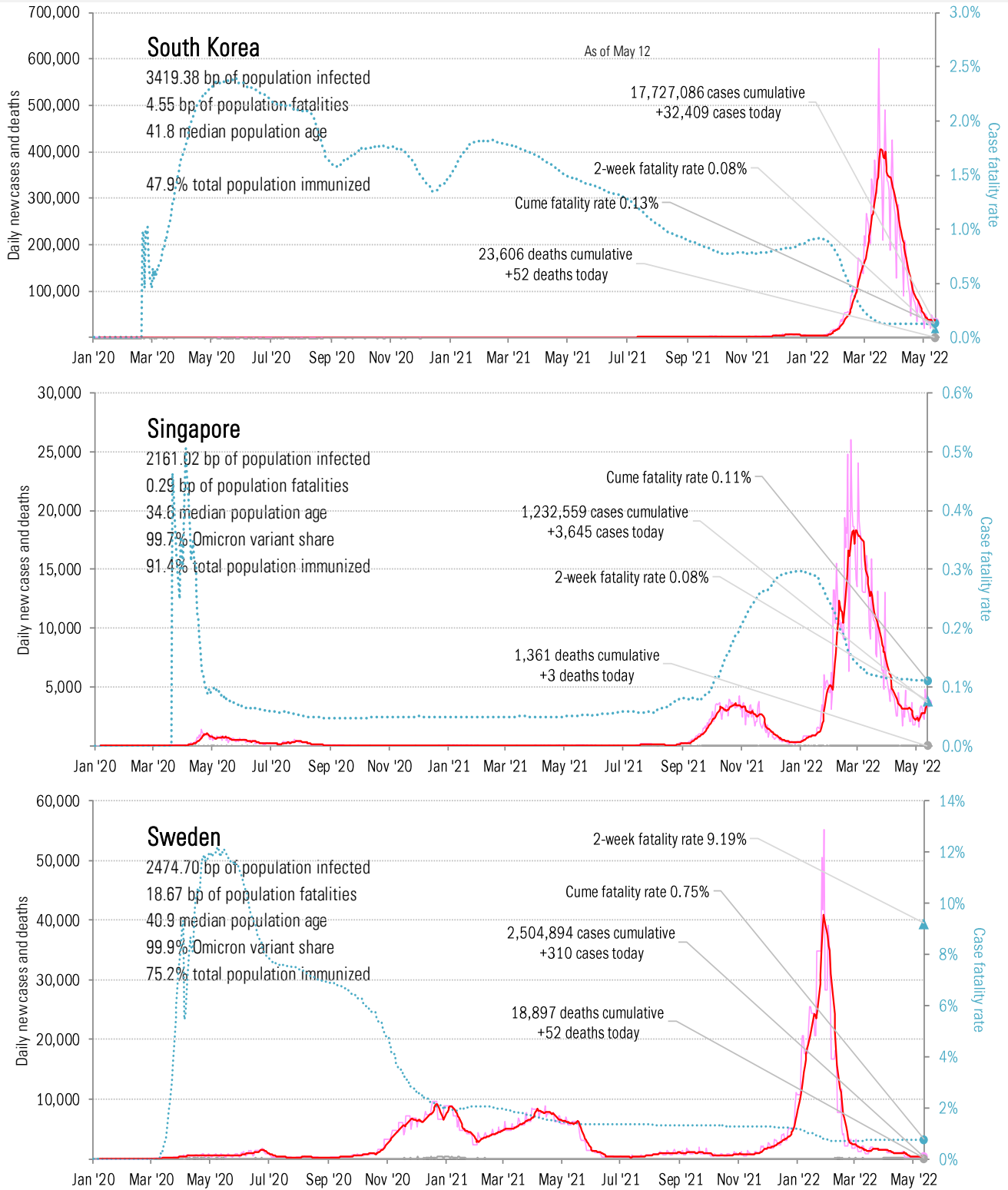
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

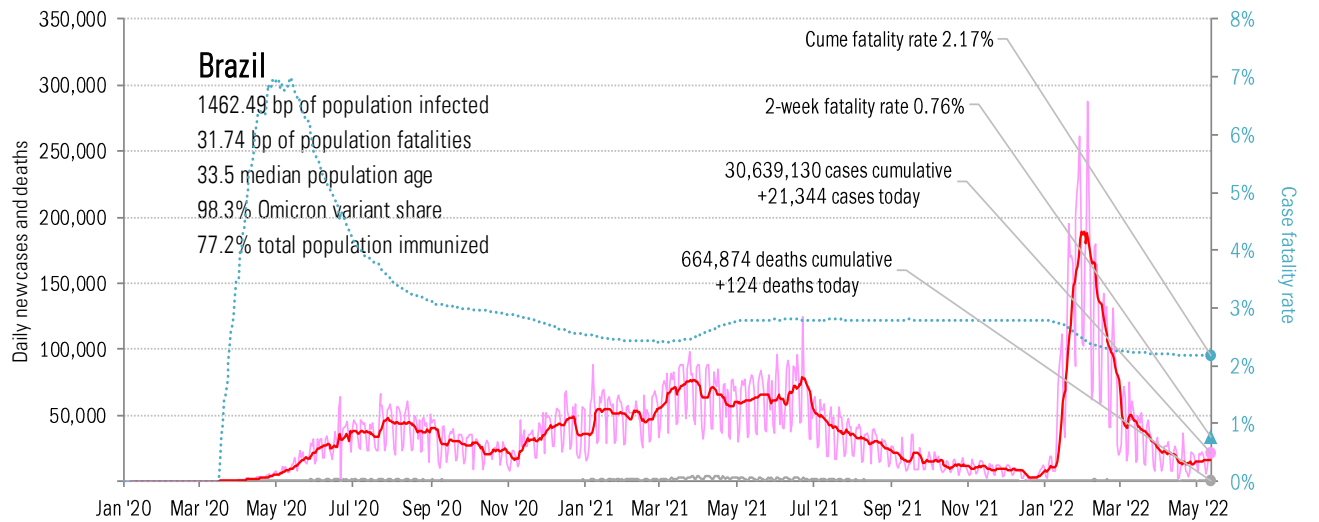
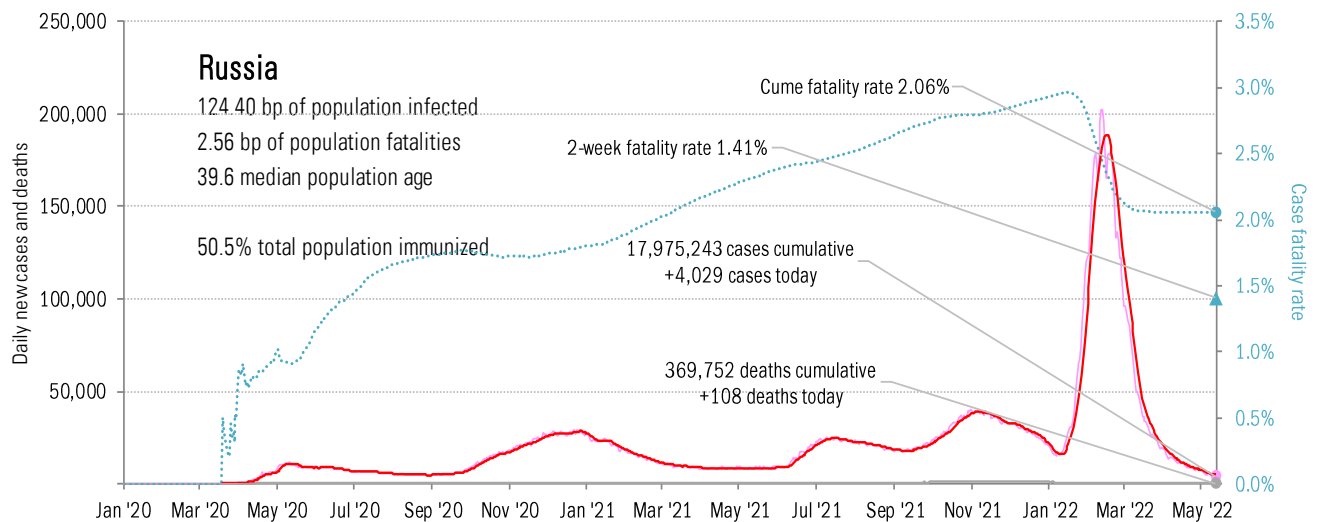
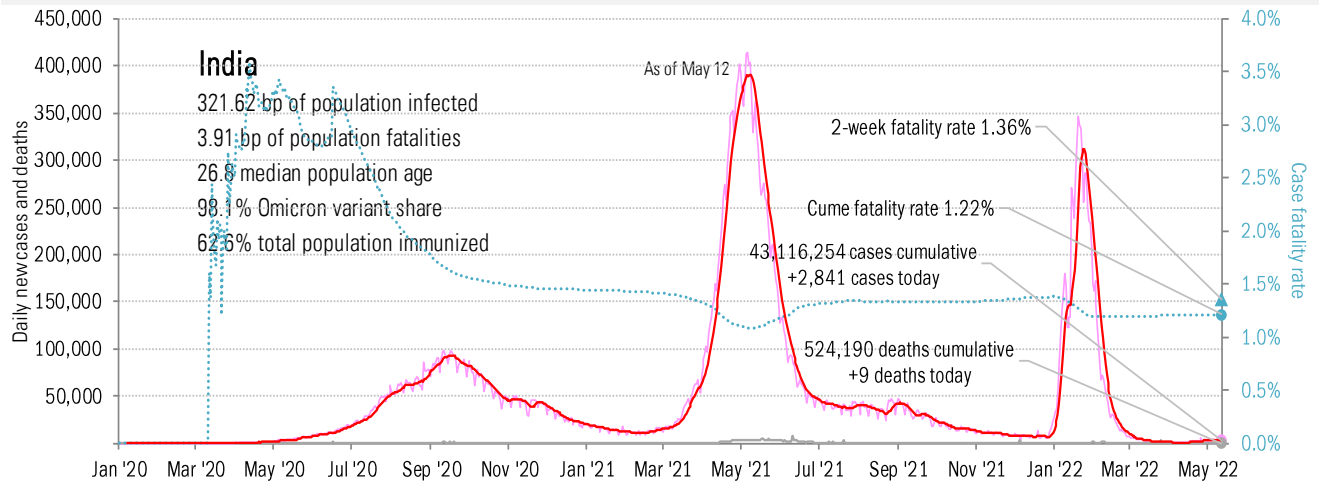
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

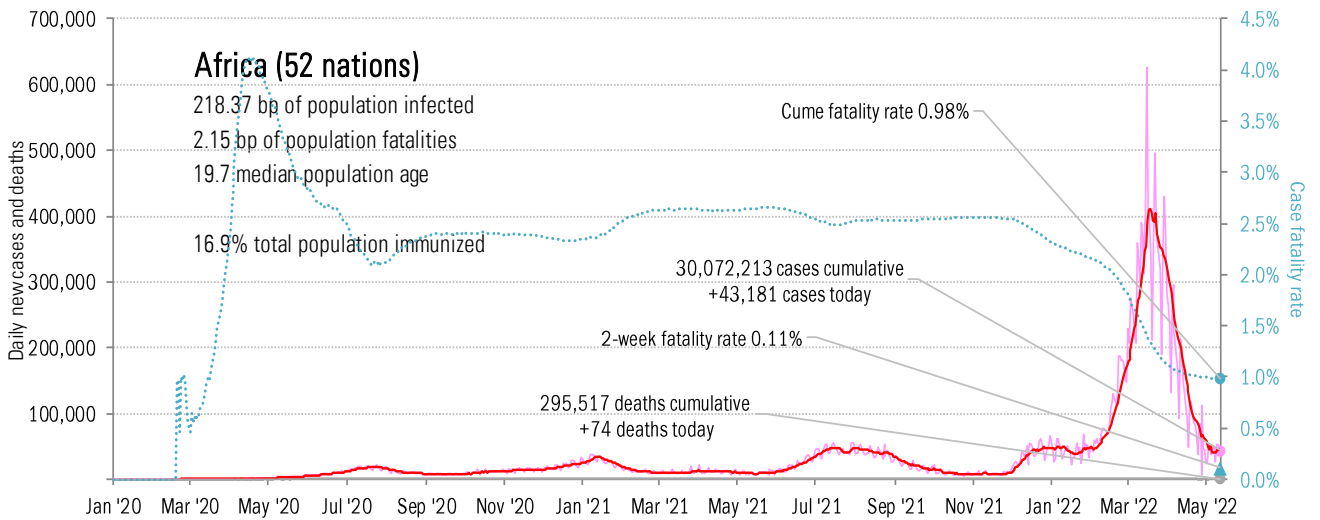
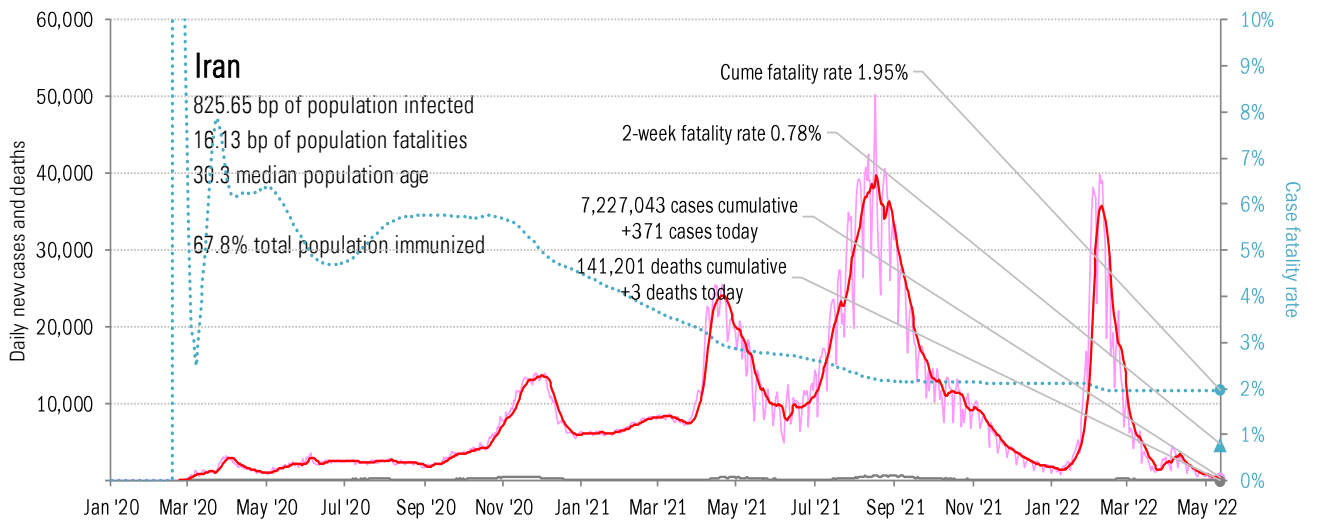
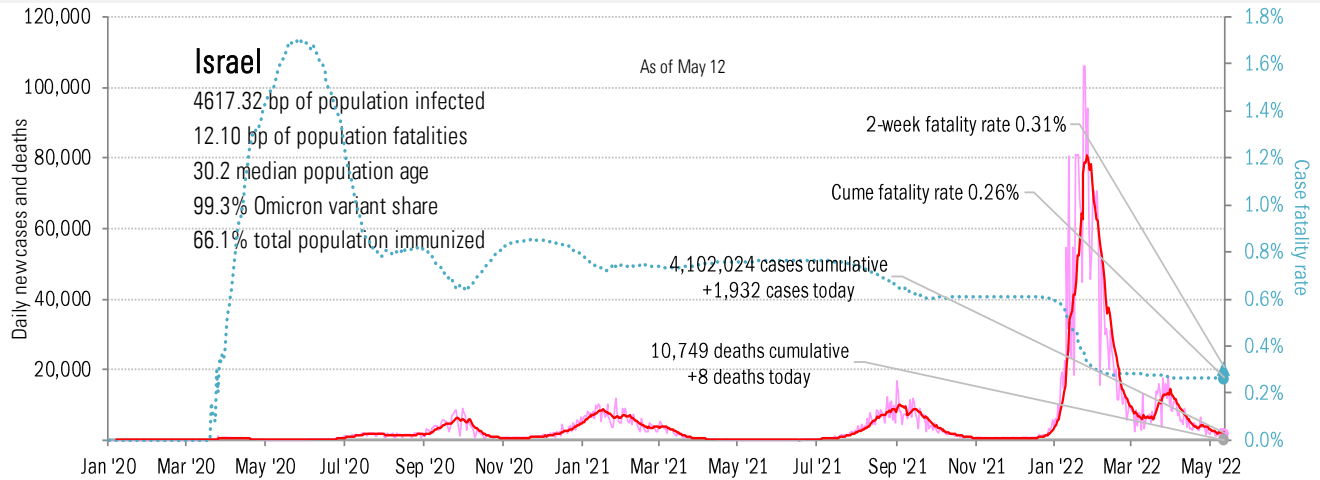
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily

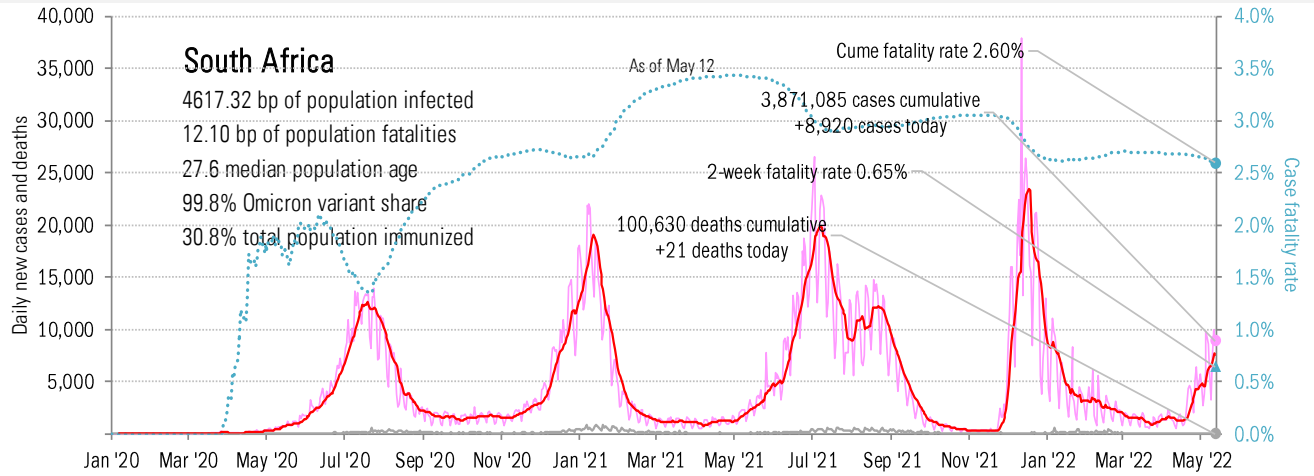


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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