

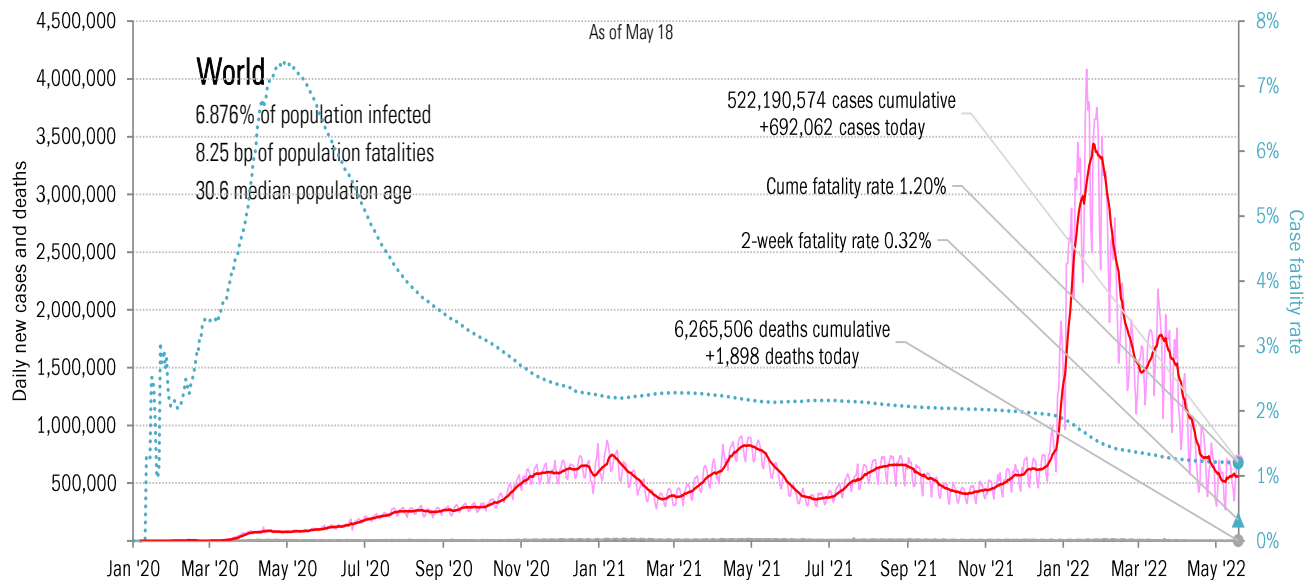
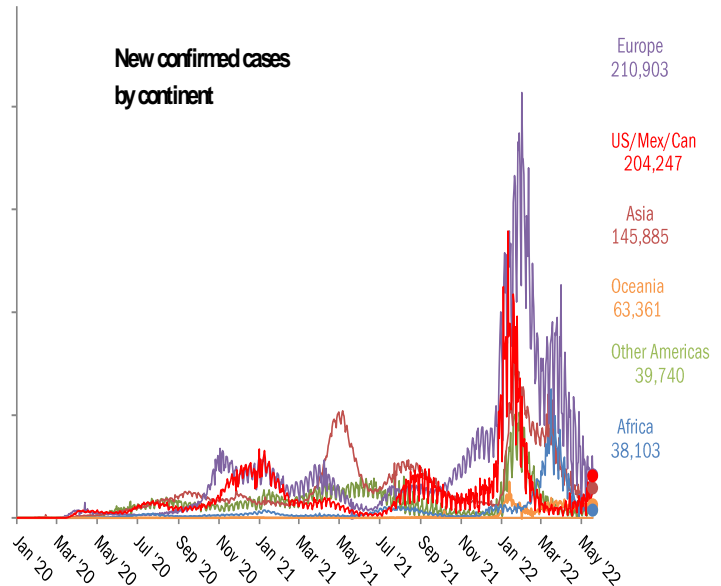
## Data Insights: Covid-2019 Monitor

Thursday, May 19, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	198,206	United States	464
Taiwan*	85,082	Germany	165
France	64,492	Italy	136
Germany	58,719	United Kingdom	130
Australia	53,985	Hungary	103
Japan	42,068	Russia	102
Italy	30,927	Canada	97
Korea, South	28,105	France	80
Ireland	16,384	South Africa	55
Costa Rica	11,369	Tunisia	53
<b>589,337</b>		<b>1,385</b>	
World	692,062	World	1,898
Top ten	85%	Top ten	73%



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

### For more information contact us:

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 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

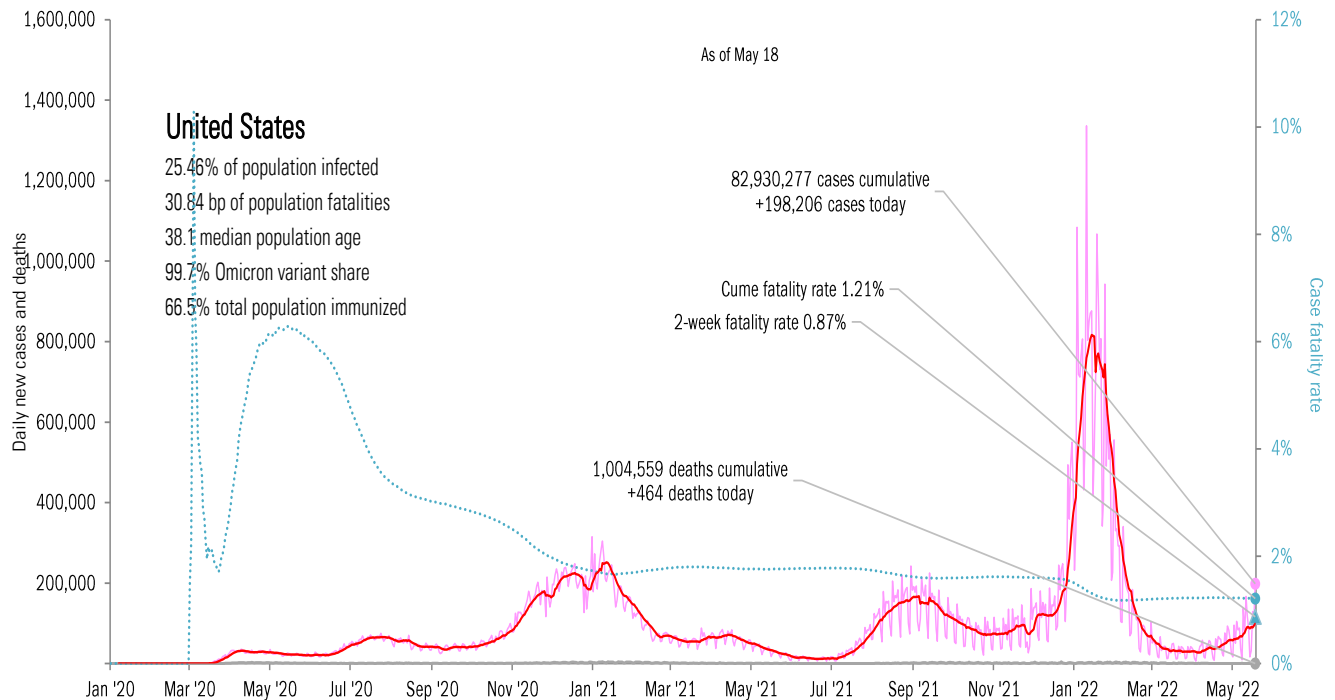
New cases			New deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital		Hospital use		ICU use	
MI	29,267		MO	241	CA	309	CA	9,403,268	CA	90,904	TX	492,215	RI	93%	RI	89%		
PA	25,604		PA	84	CT	92	TX	6,883,580	TX	88,272	CA	430,702	MA	86%	MA	83%		
NC	23,993				PA	182	FL	6,020,848	FL	74,384	FL	421,208	MN	85%	AL	82%		
GA	10,955				GA	83	NY	5,333,813	NY	68,720	NY	258,111	GA	85%	AK	82%		
NY	10,479				NJ	156	IL	3,237,287	PA	44,898	GA	208,574	NH	83%	VT	81%		
H	7,149				MI	153	PA	2,877,660	CH	38,550	CH	193,729	MI	83%	NH	81%		
TN	6,460				SC	51	CH	2,724,041	GA	38,158	PA	179,747	MD	83%	NM	81%		
WA	5,891				CH	139	NC	2,715,798	MI	36,218	IL	160,923	PA	82%	TX	80%		
IL	5,763				MD	91	GA	2,541,873	IL	36,168	MI	144,821	DC	82%	VW	80%		
FL	5,332				KY	49	MI	2,501,863	NJ	33,586	KY	133,656	MO	82%	MI	80%		
130,893			719		1,305		44,240,031			549,858			2,623,686					
All states	198,206		464		3,513		All states	82,930,277	1,004,559			4,764,223		All states	70%	67%		
Top ten	66%		155%		37%		Top ten	53%	55%			55%		Median	76%	75%		

US state fatality data distorted today due to revisions.

Some states not reporting

## Five most improved US states

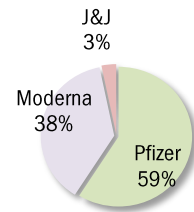
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
CA -36,229	FL -105	WA -46	AL +10 bp
SC -5,753	CA -71	FR -37	ME +10 bp
MD -3,704	SC -22	AZ -33	MS +10 bp
AZ -2,670	MA -20	TX -33	CH +10 bp
MN -2,464	MD -15	NC -30	SC +10 bp



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	598,149,069		+0.212 million		US	66.5%	77.7%	
Boosters	44,672,918		+0.015 million		UK	73.1%	78.2%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%	80.7%
Total population	265,822,132	80%	227,059,960	68%	+0.030 million	Spain	86.6%	88.2%
Age 12 to 17	17,750,109	70%	15,190,954	60%	+0.002 million	Germany	76.8%	76.9%
Age 18 to 64	178,665,194	88%	151,988,133	75%	+0.016 million	Italy	79.4%	84.1%
Age 65 and over	59,010,008	100%	51,480,954	94%	+0.009 million	Australia	83.7%	86.5%
						Israel	66.1%	72.2%
						Canada	82.4%	86.2%
						Japan	80.8%	82.1%
						Africa	17.1%	22.4%
						India	63.0%	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%

WI
72.0%
65.7%

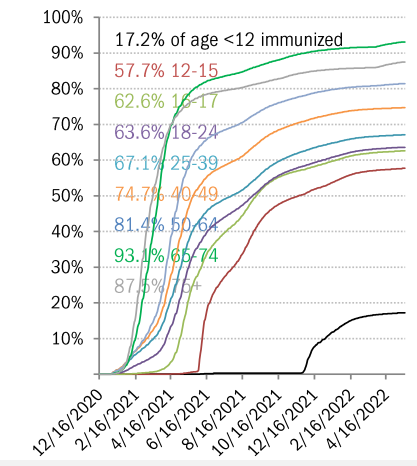
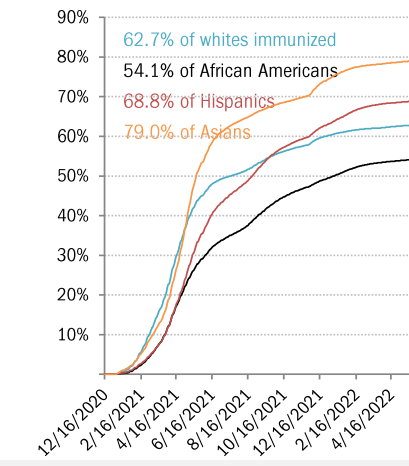
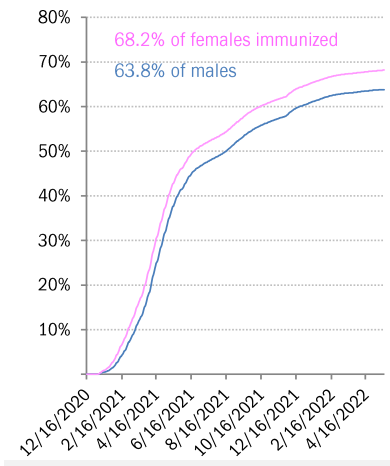
As of May 18

ME
90.9%
79.9%

WA 81.0% 72.8%	ID 61.8% 54.7%	MT 65.4% 56.9%	ND 65.7% 55.7%	MN 75.2% 69.3%	IL 76.9% 69.2%	MI 67.1% 60.3%		NY 90.4% 77.2%	VT 93.8% 81.4%	NH 88.6% 70.8%
OR 78.1% 69.8%	NV 75.5% 61.0%	WY 58.2% 51.0%	SD 76.9% 61.8%	IA 68.1% 62.1%	IN 61.6% 55.0%	OH 63.7% 58.9%	PA 85.2% 68.8%	NJ 90.7% 75.9%	MA 95.0% 79.3%	
CA 82.4% 72.4%	UT 72.3% 64.5%	CO 79.6% 70.4%	NE 70.4% 63.7%	MO 66.4% 56.2%	KY 66.3% 57.5%	WV 65.2% 57.7%	VA 86.0% 73.5%	MD 86.7% 75.9%	CT 95.0% 79.5%	RI 95.0% 82.9%
	AZ 73.4% 61.8%	NM 88.1% 71.4%	KS 74.7% 61.7%	AR 66.9% 54.6%	TN 62.3% 54.7%	NC 84.7% 61.6%	SC 67.9% 57.2%	DC 95.0% 78.0%	DE 83.4% 69.5%	
			OK 71.3% 57.5%	LA 61.1% 53.6%	MS 59.7% 52.0%	AL 62.9% 51.3%	GA 65.6% 54.9%			
			TX 73.5% 61.7%					FL 79.6% 67.2%		PR 95.0% 83.3%

HI
87.6%
78.5%

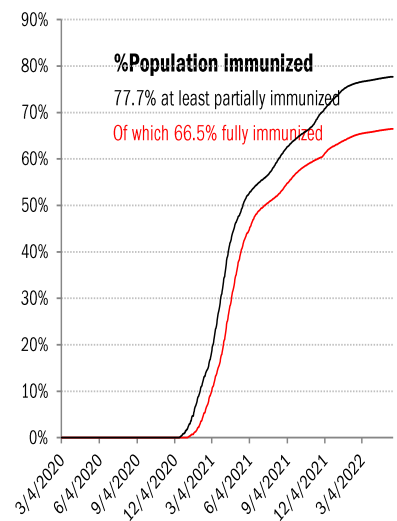
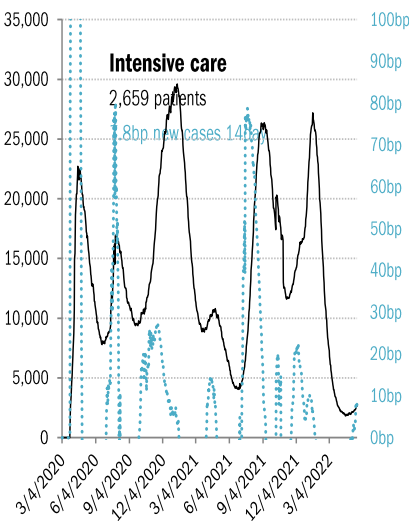
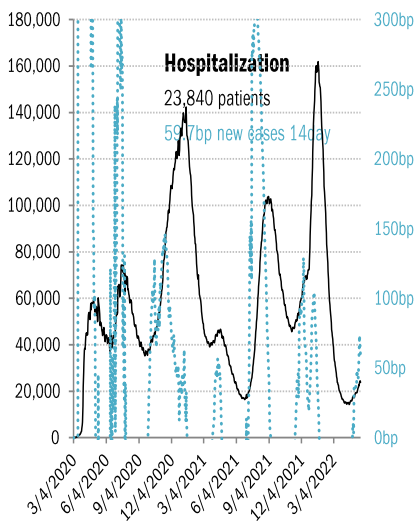
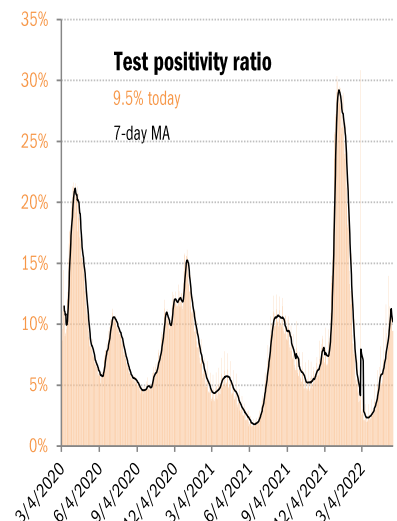
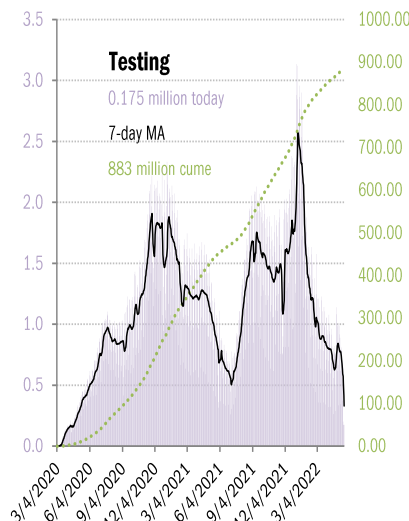
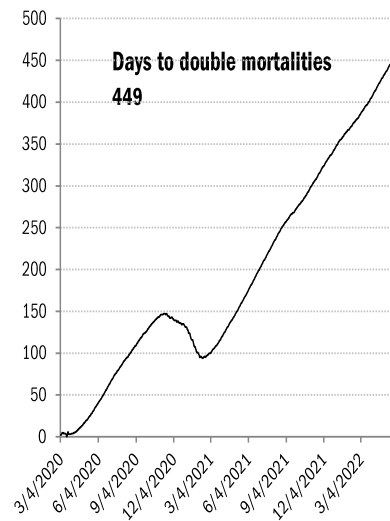
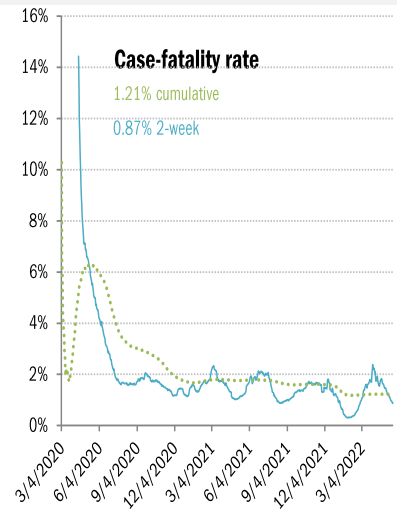
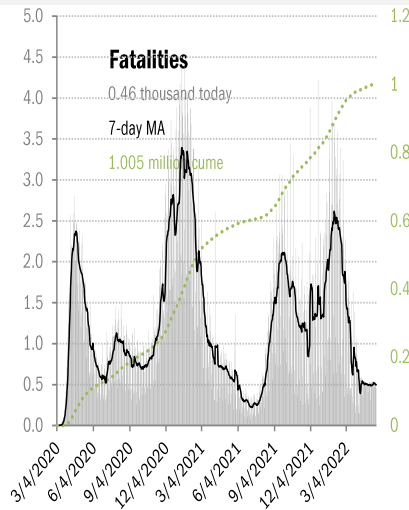
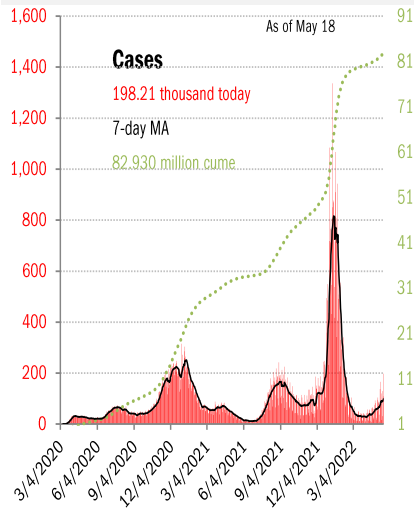
## The demographics of US vaccination



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

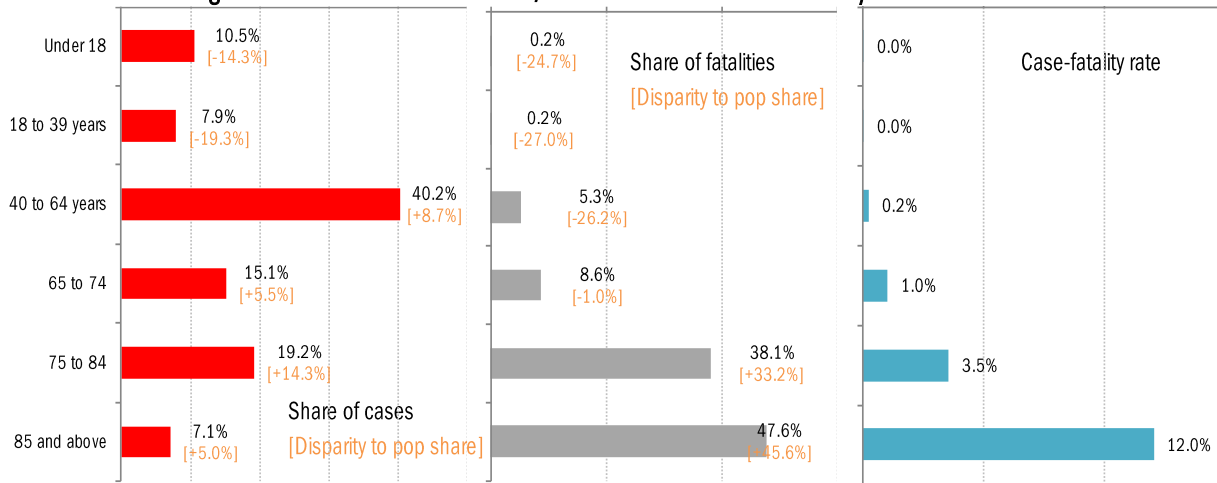
# US deep-dive

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

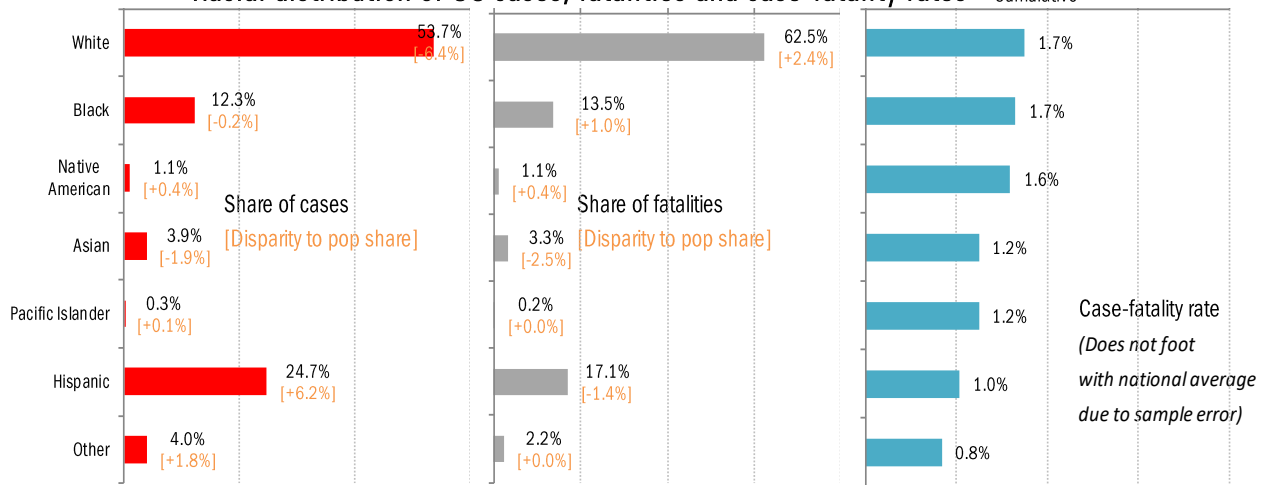


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

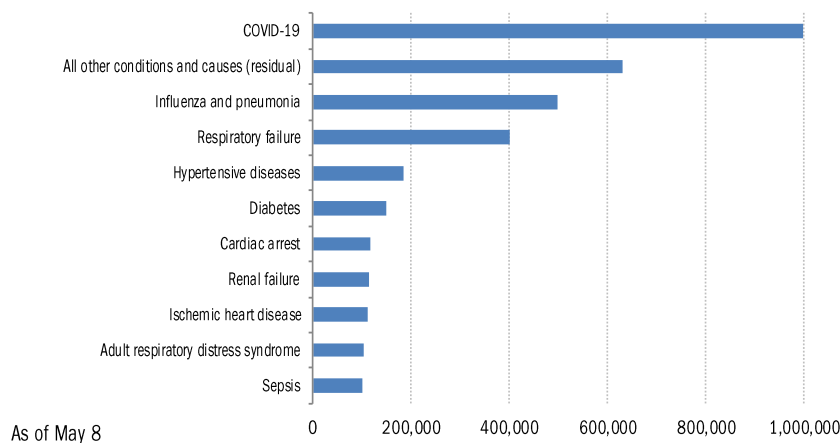


Racial distribution of US cases, fatalities and case-fatality rates



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

### [A Massachusetts Man Is Infected With Monkeypox](#)

Apoorva Mandavilli  
*New York Times*  
May 18, 2022

### [Rare monkeypox outbreak in U.K., Europe and U.S.: What is it and should we worry?](#)

Michaelleen Doucleff  
*NPR*  
May 18, 2022

### [Latest Covid-19 Wave Expands to More of U.S.](#)

Jon Kamp and Brianna Abbott  
*Wall Street Journal*  
May 18, 2022

### [COVID Learning Loss Comparable to That Inflicted by Hurricane Katrina, Study Finds; Math Drops Outpace Reading](#)

Kevin Mahnken  
*The 74*  
May 18, 2022

### [Test Score Patterns Across Three COVID-19-impacted School Years](#)

Megan Kuhfeld, James Soland, Karyn Lewis  
*Annenberg Institute for School Reform at Brown University*  
January 2022

### [Biden administration 'disinformation' board on pause amid free speech concerns: reports](#)

Ronn Blitzer  
*Fox News*  
May 18, 2022

### [Expert hired to run DHS' newly created disinformation board resigns](#)

Sean Lyngaas and Priscilla Alvarez  
*CNN*  
May 18, 2022

### [How the Biden administration let right-wing attacks derail its disinformation efforts](#)

Taylor Lorenz  
*Washington Post*  
May 18, 2022

### [FDA Dumps More Pfizer Documents: Why Were So Many Adverse Events Reported as 'Unrelated' to Vaccine?](#)

Michael Nevradakis  
*The Defender*  
May 17, 2022

### [Spain, Portugal report monkeypox cases, raising specter of wider outbreak](#)

Helen Branswell  
*Stat News*  
May 18, 2022

### [Major funder of Wuhan lab told Fauci's agency COVID would end at 20,000 cases](#)

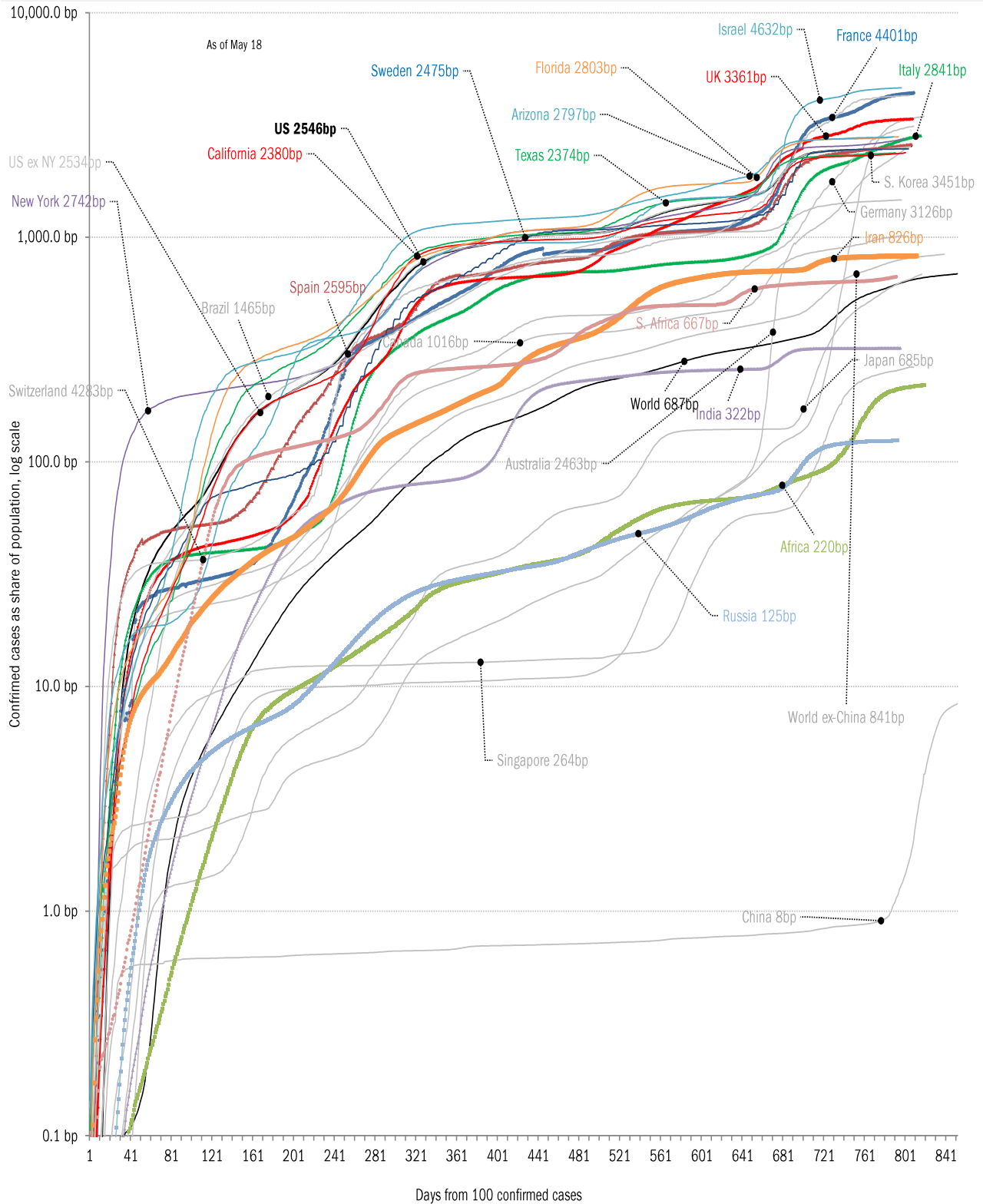
Greg Piper  
*Just the News*  
May 17, 2022

Meme of the day



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

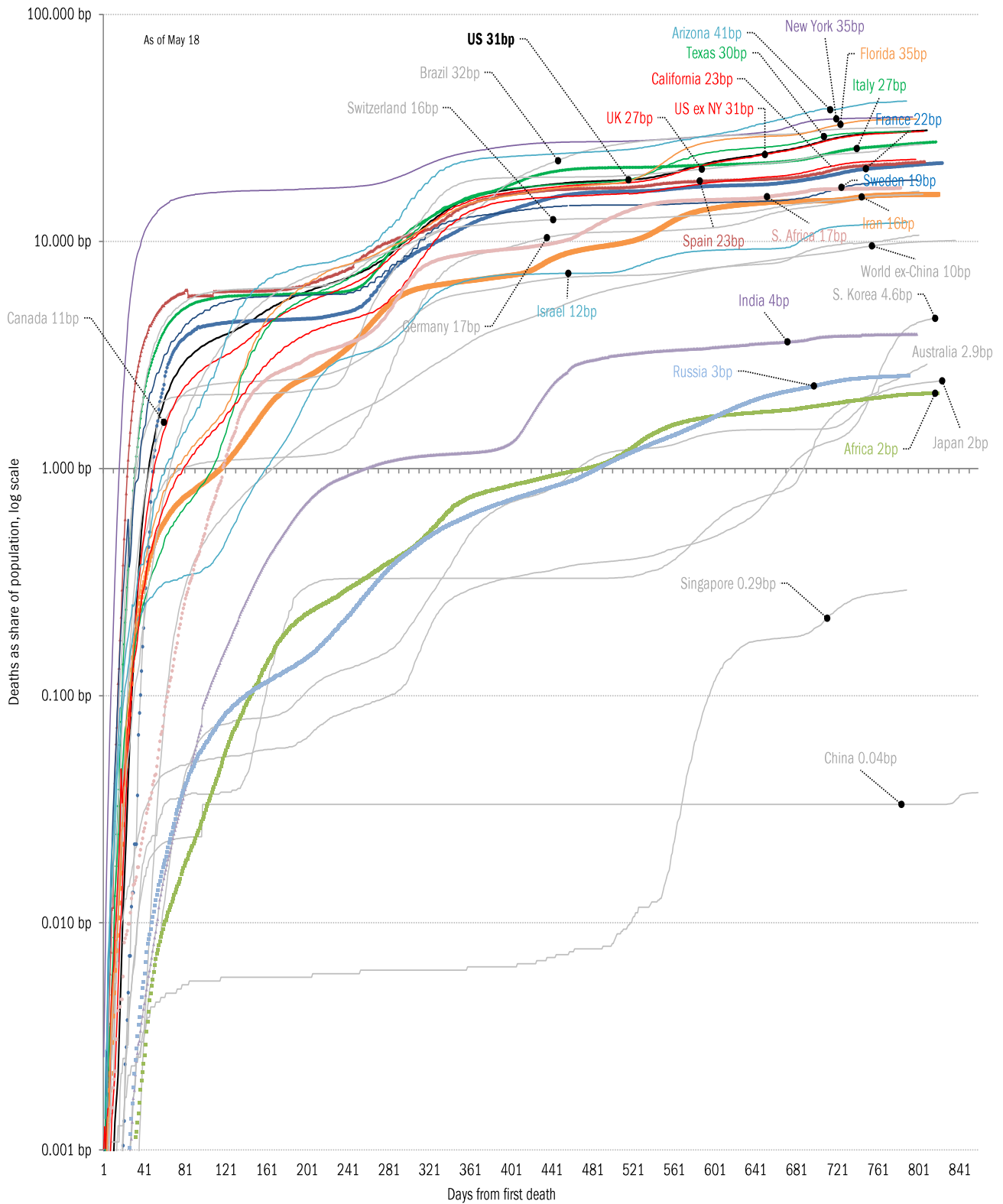
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

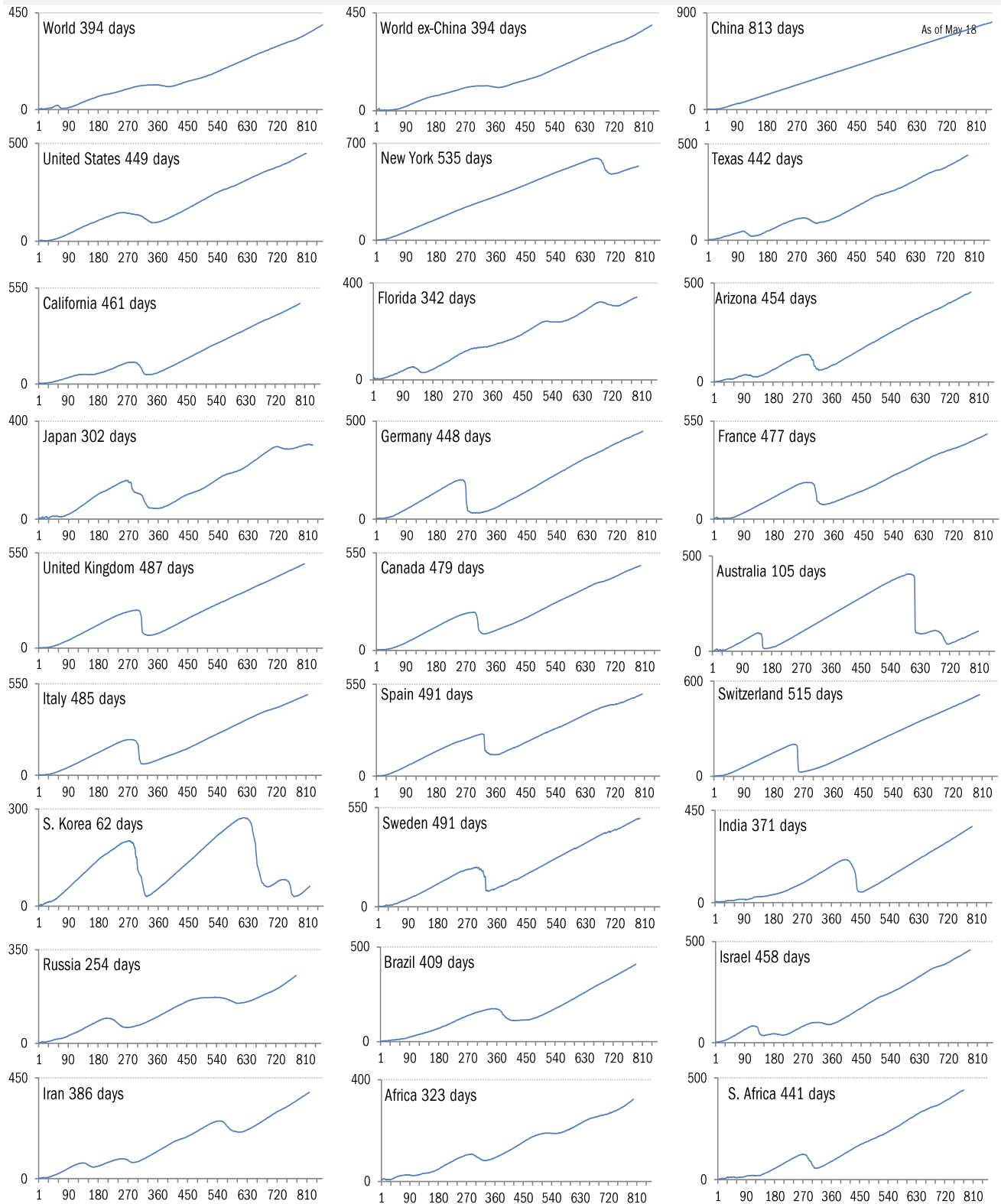


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

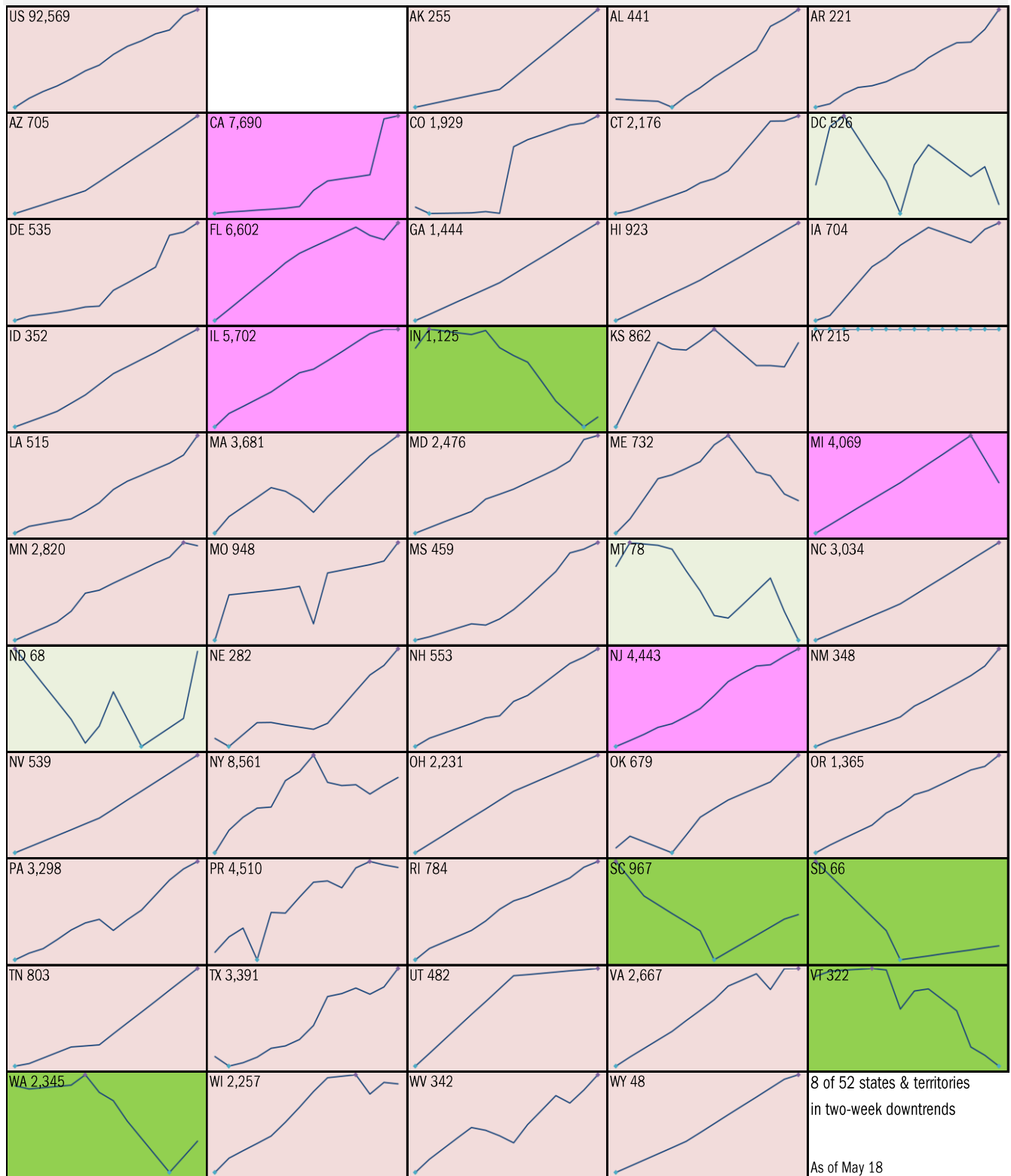


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

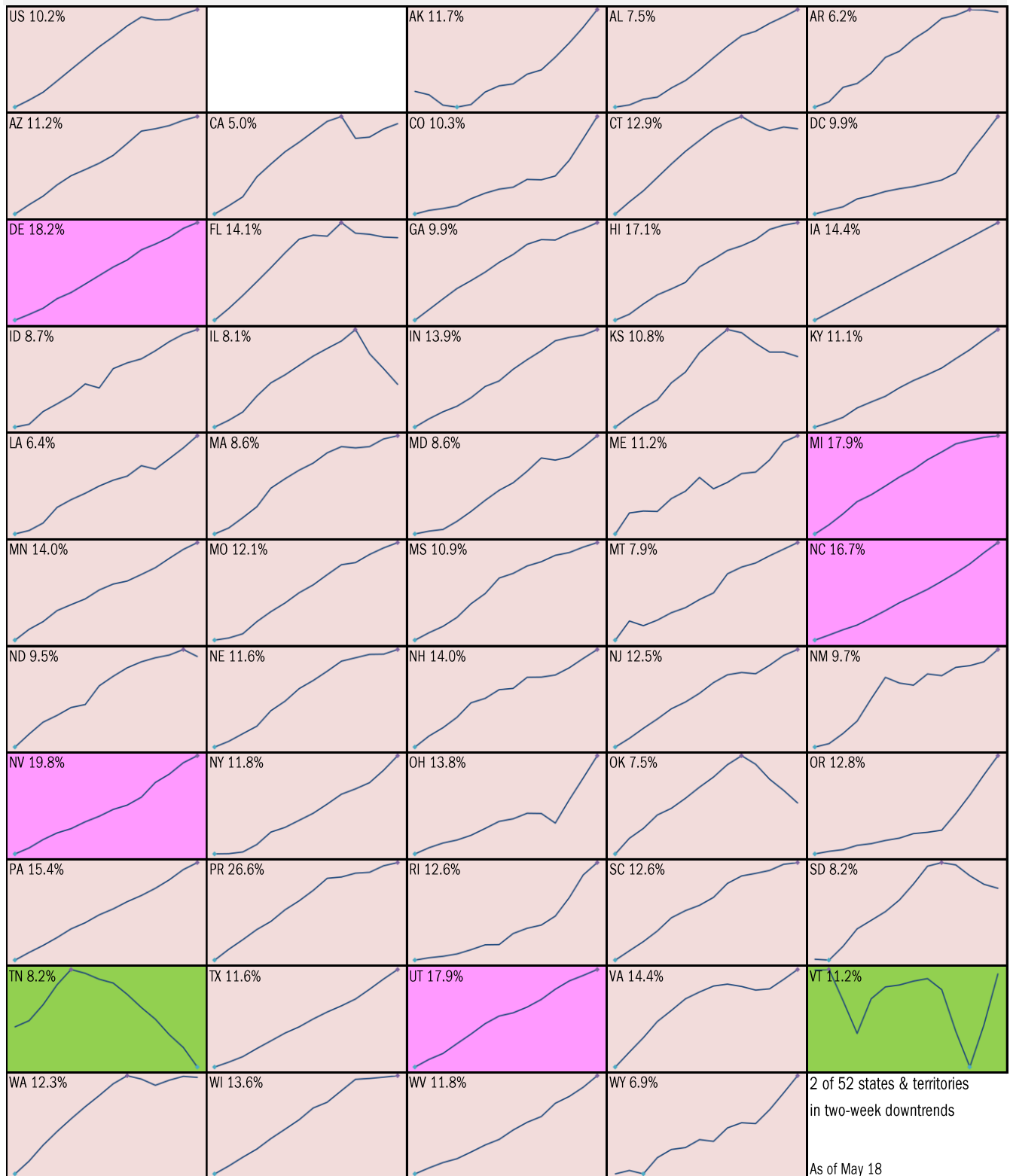


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

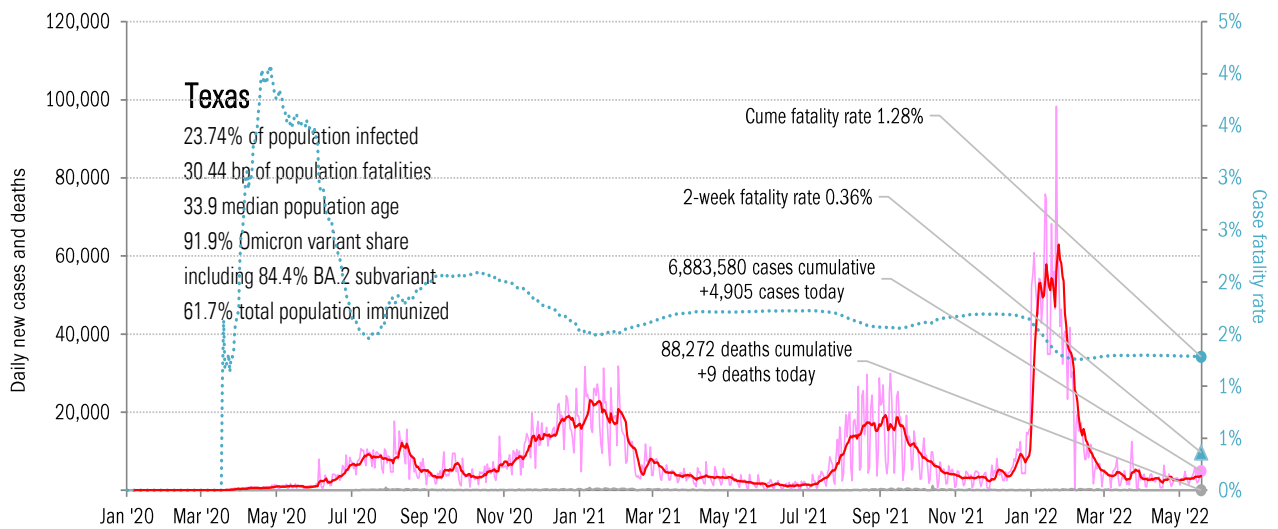
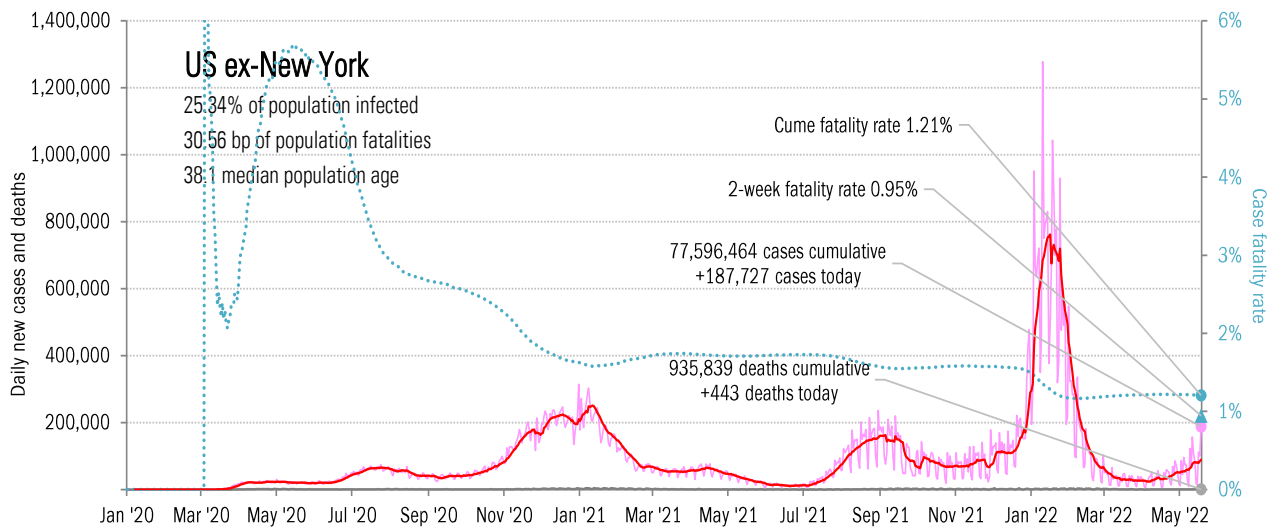
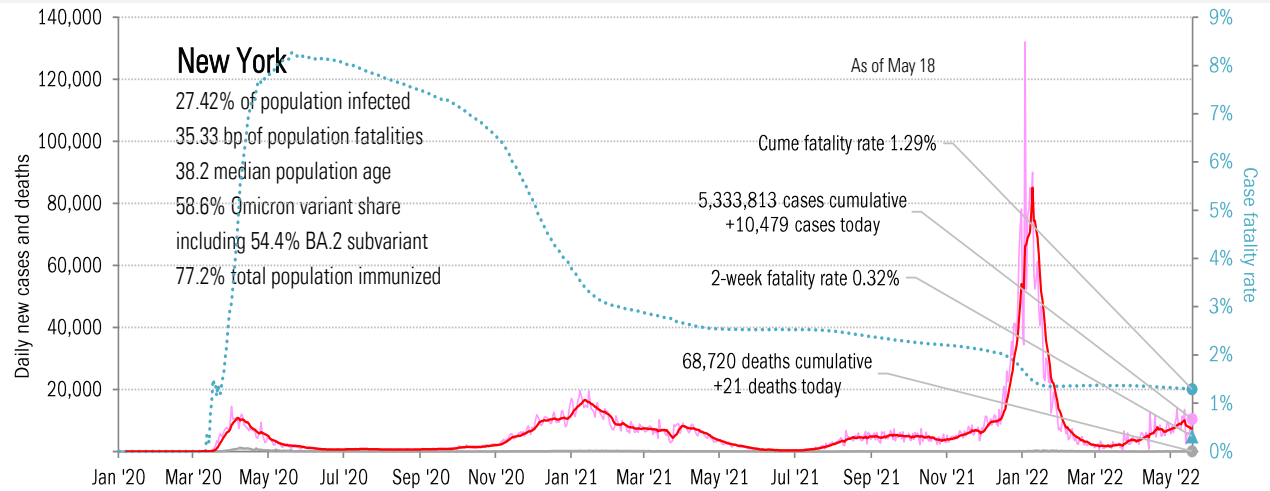
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

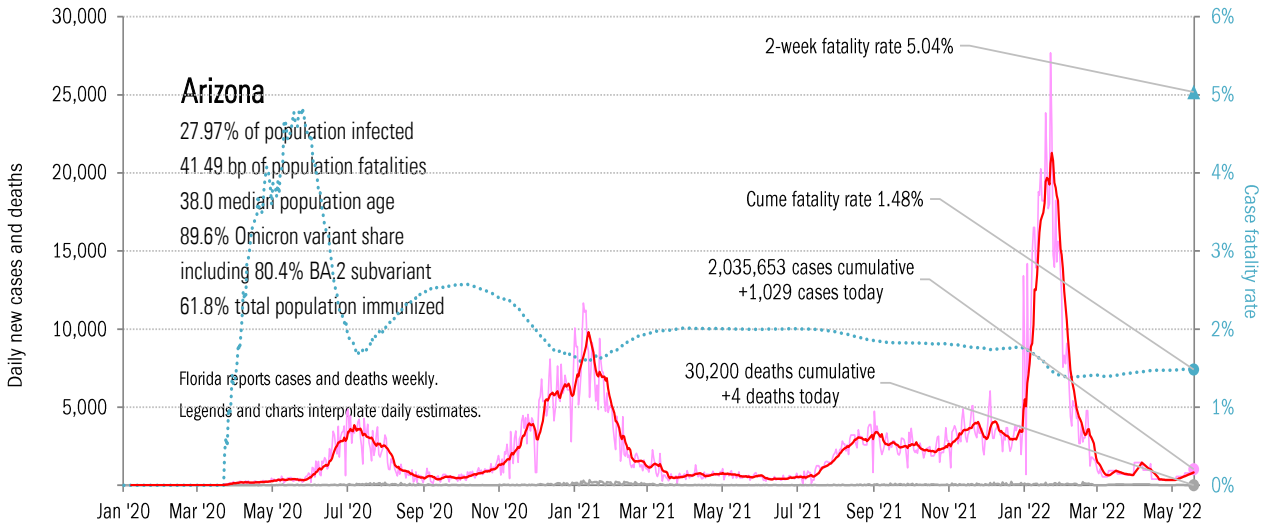
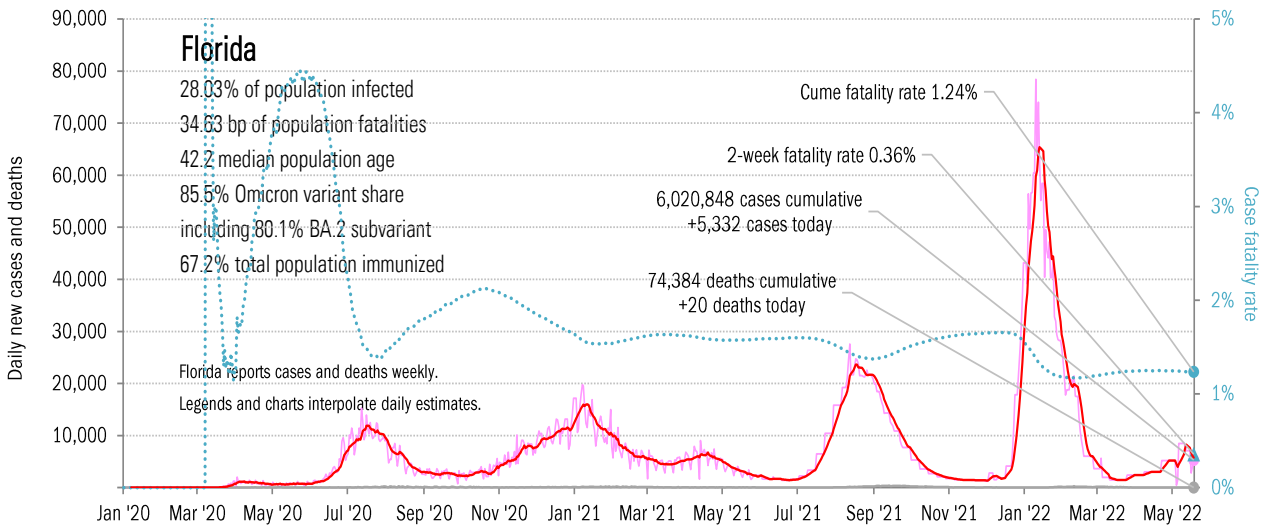
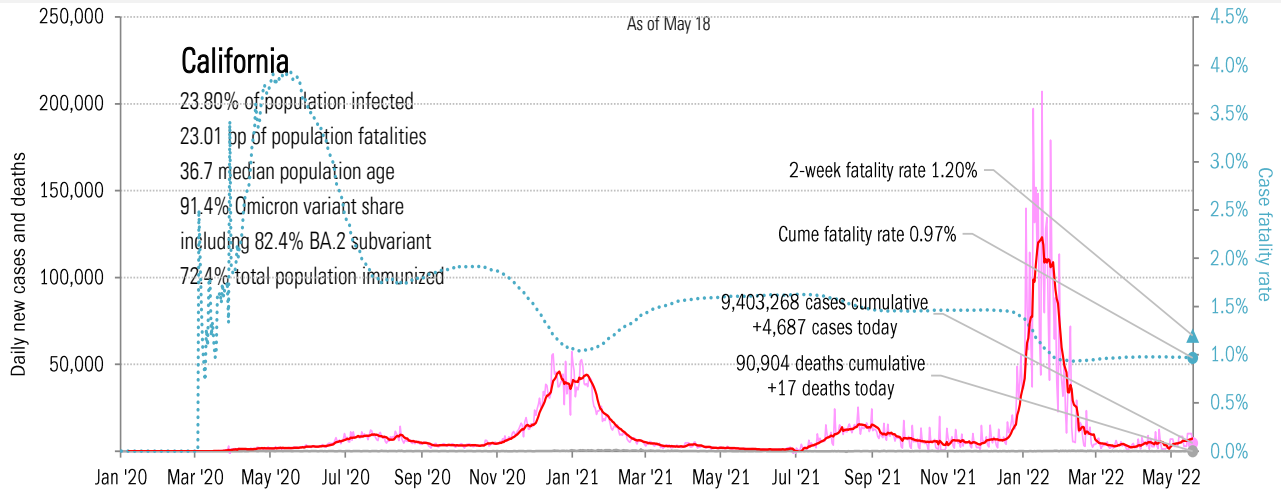
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

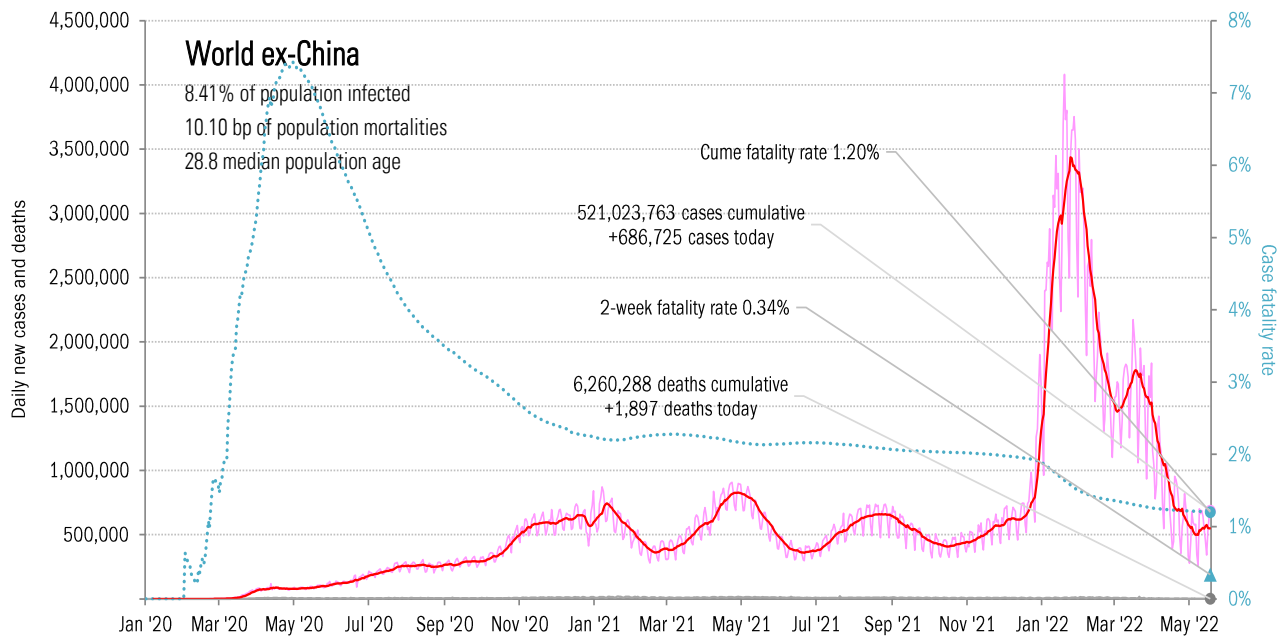
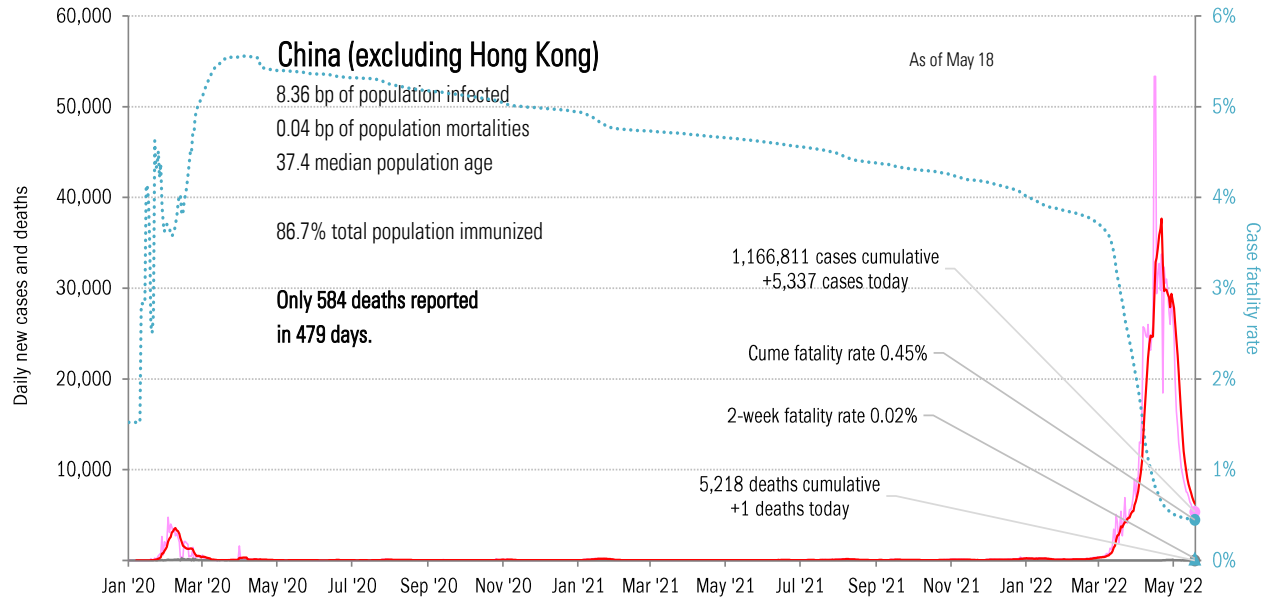
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

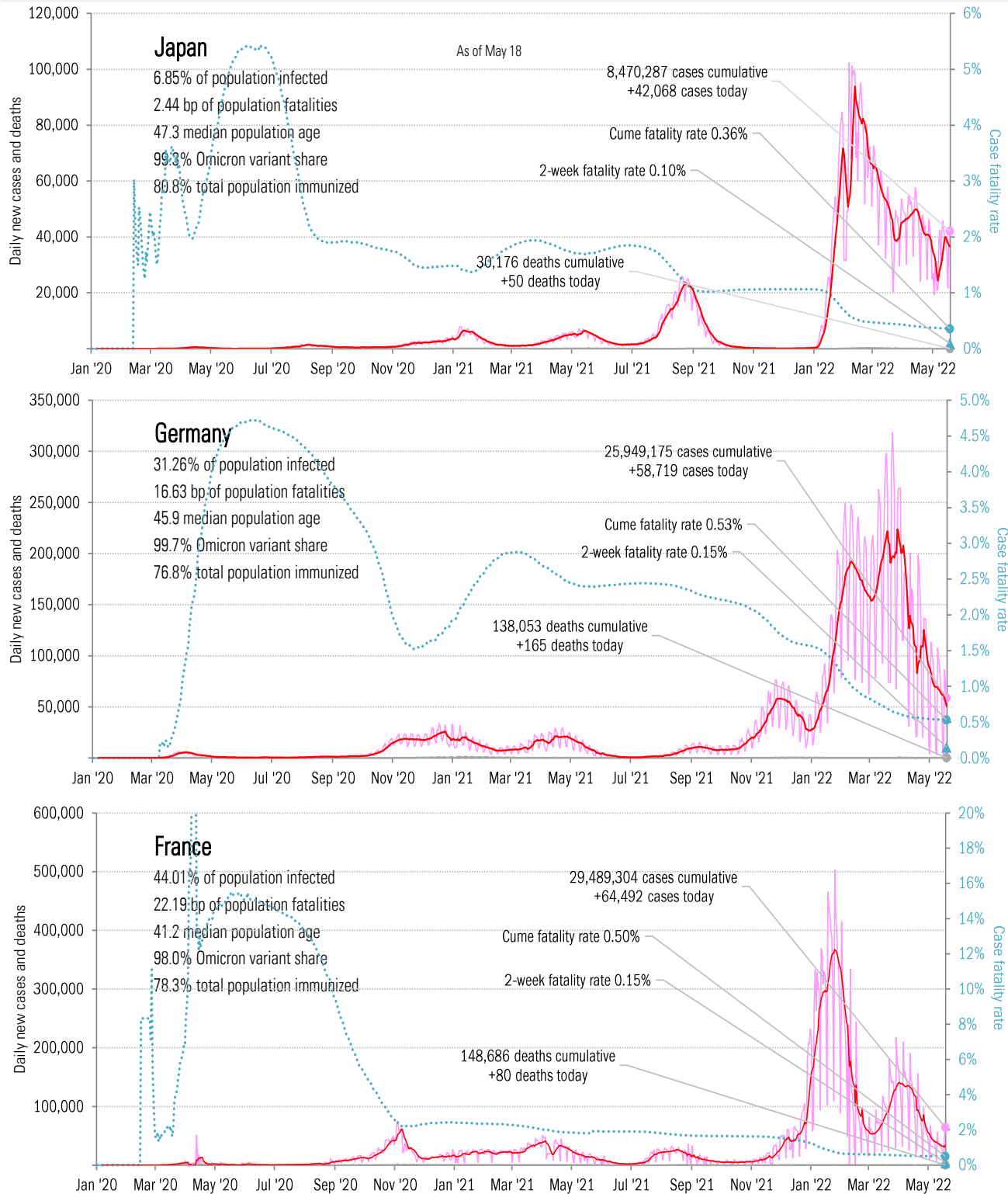
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

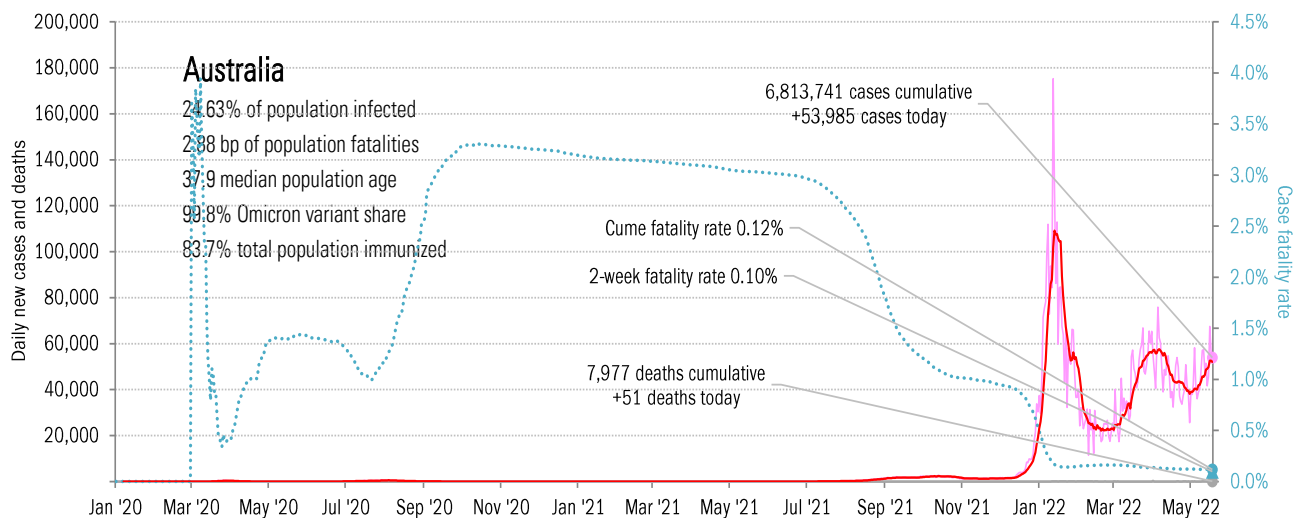
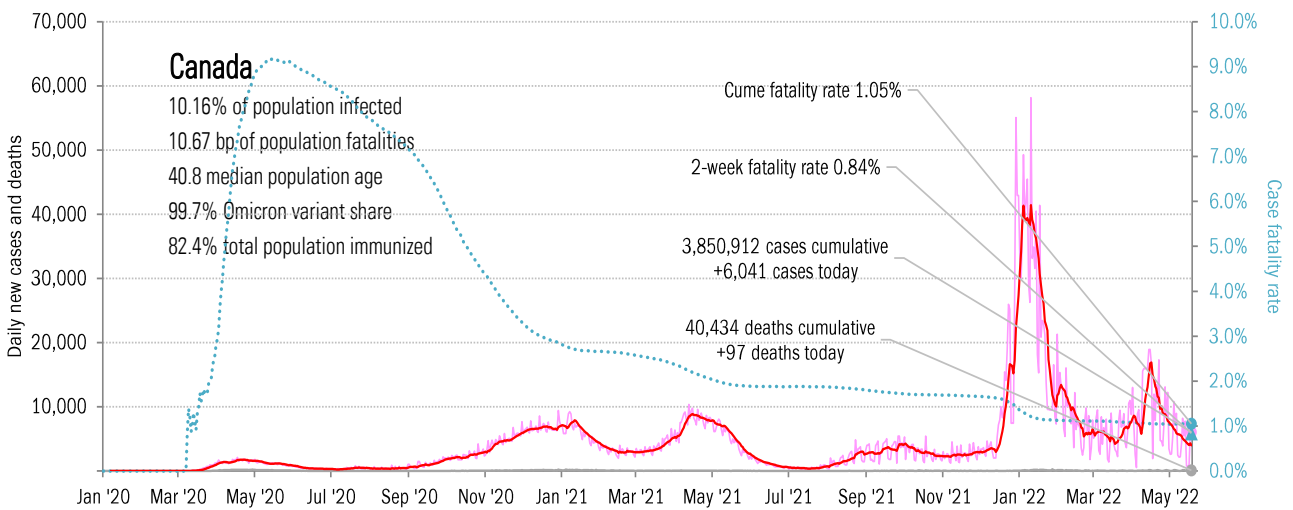
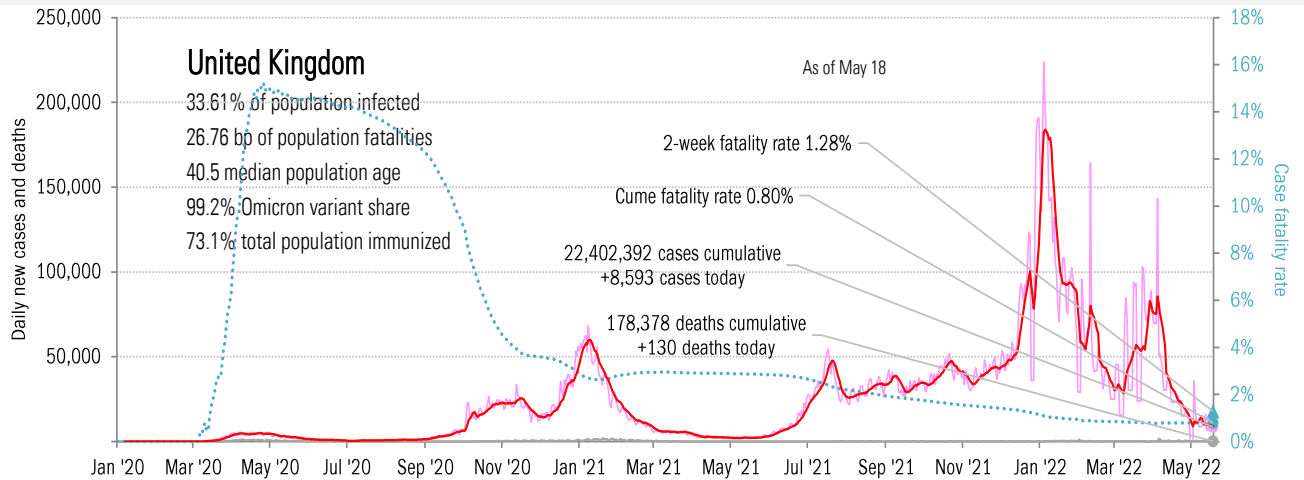


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

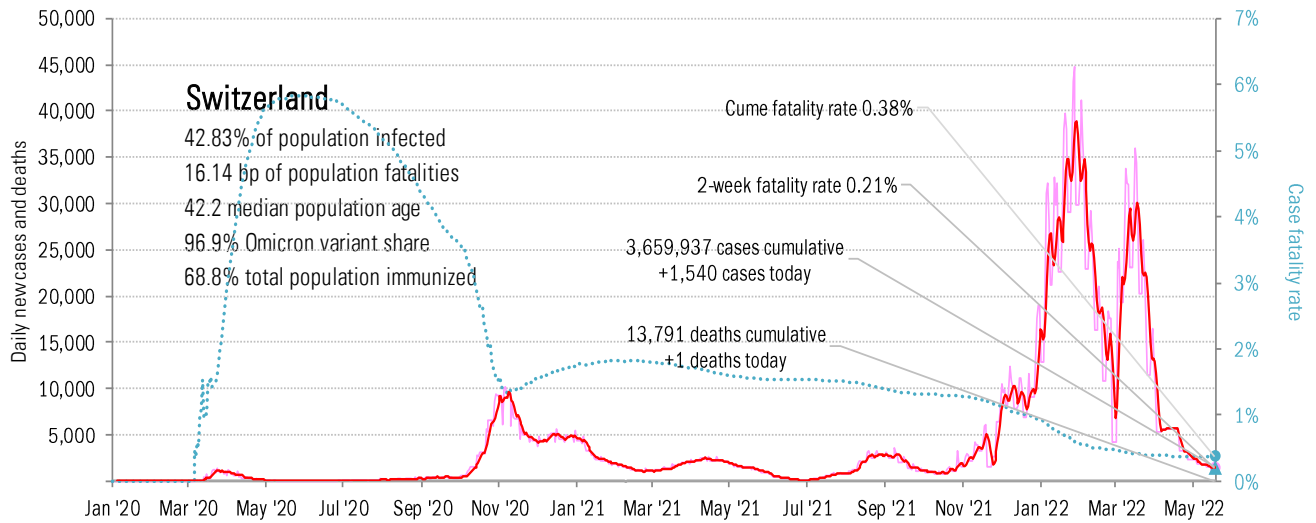
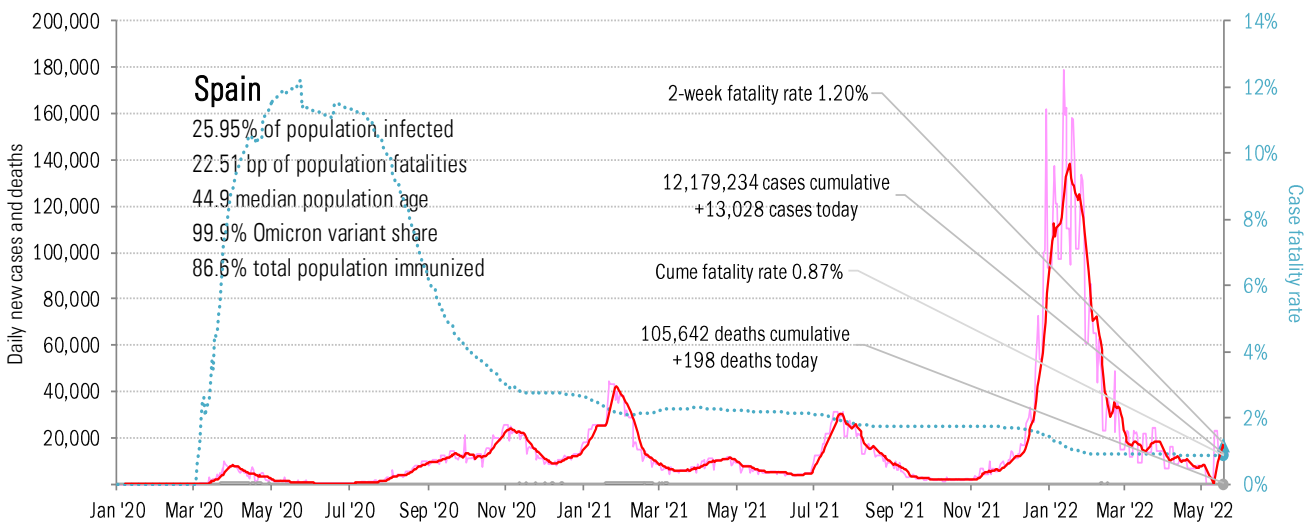
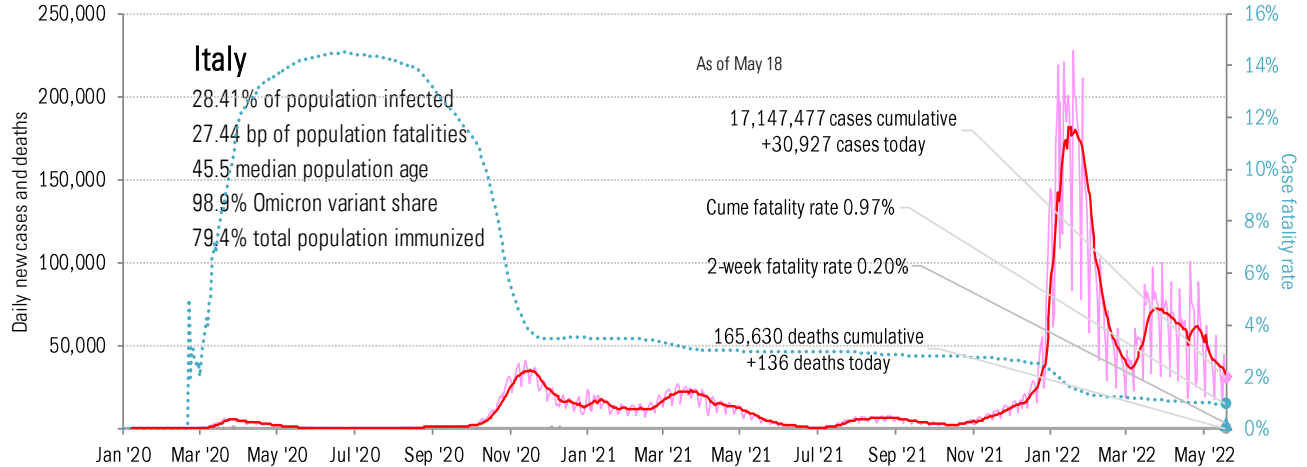
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

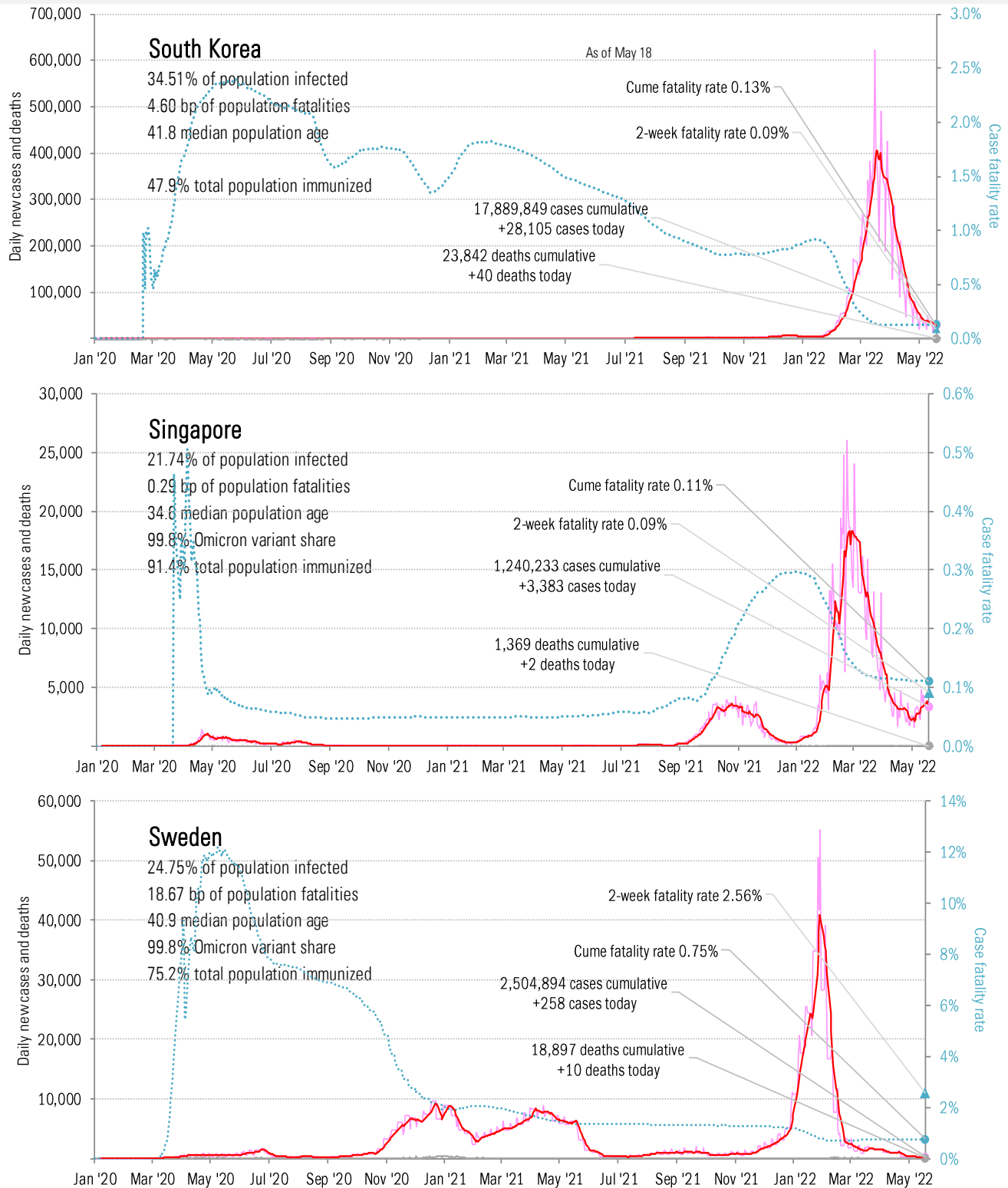
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

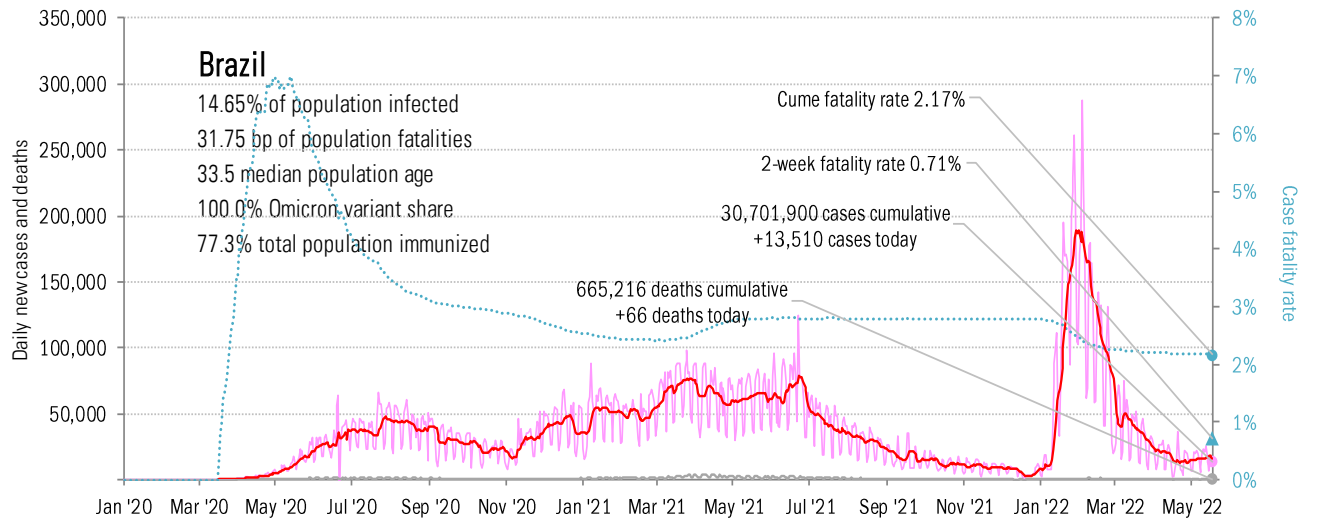
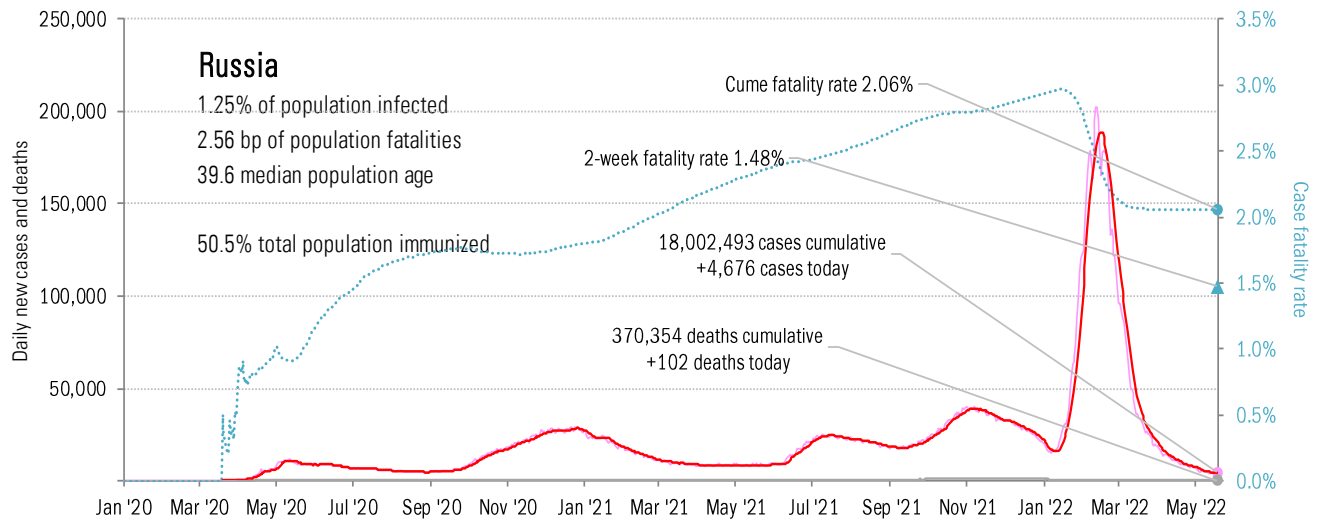
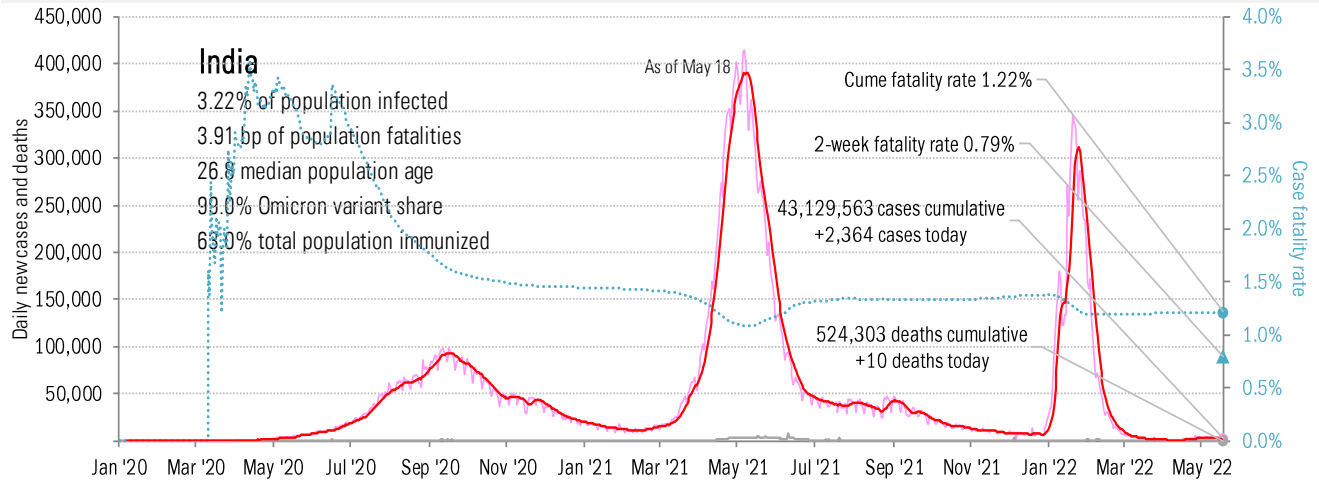
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

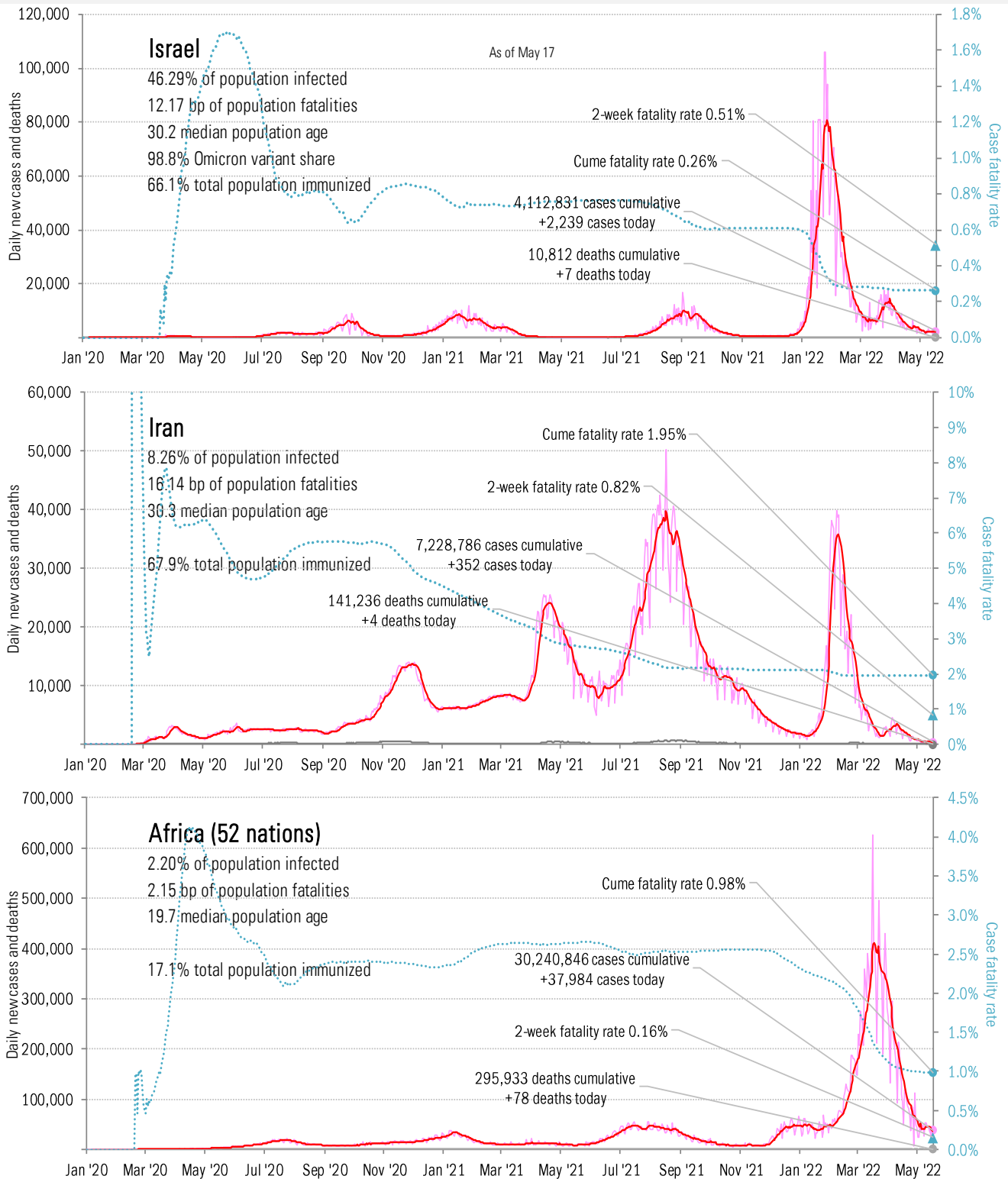
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

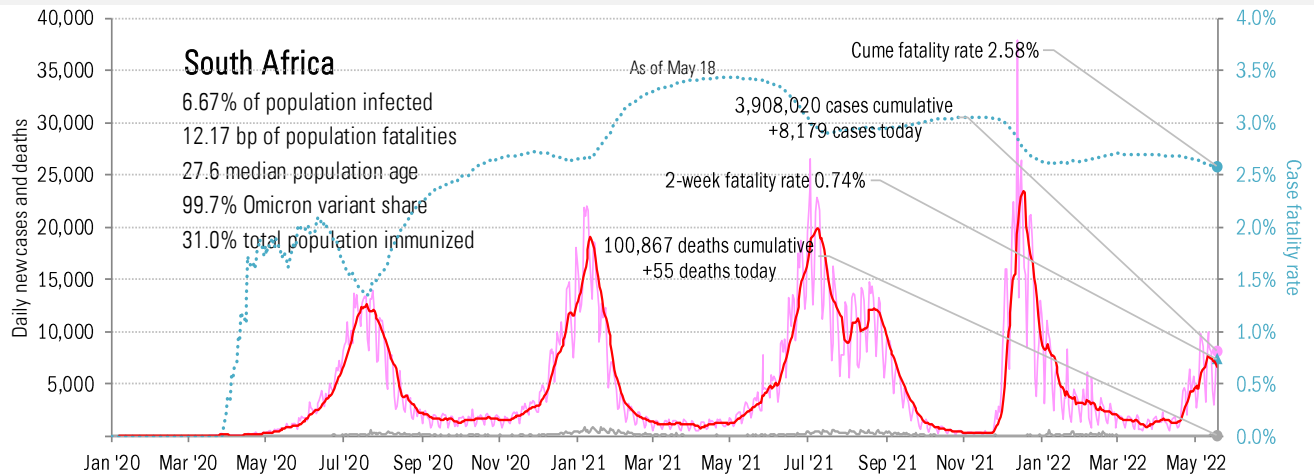
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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