

## Data Insights: Covid-2019 Monitor

Saturday, October 1, 2022

### The global scorecard

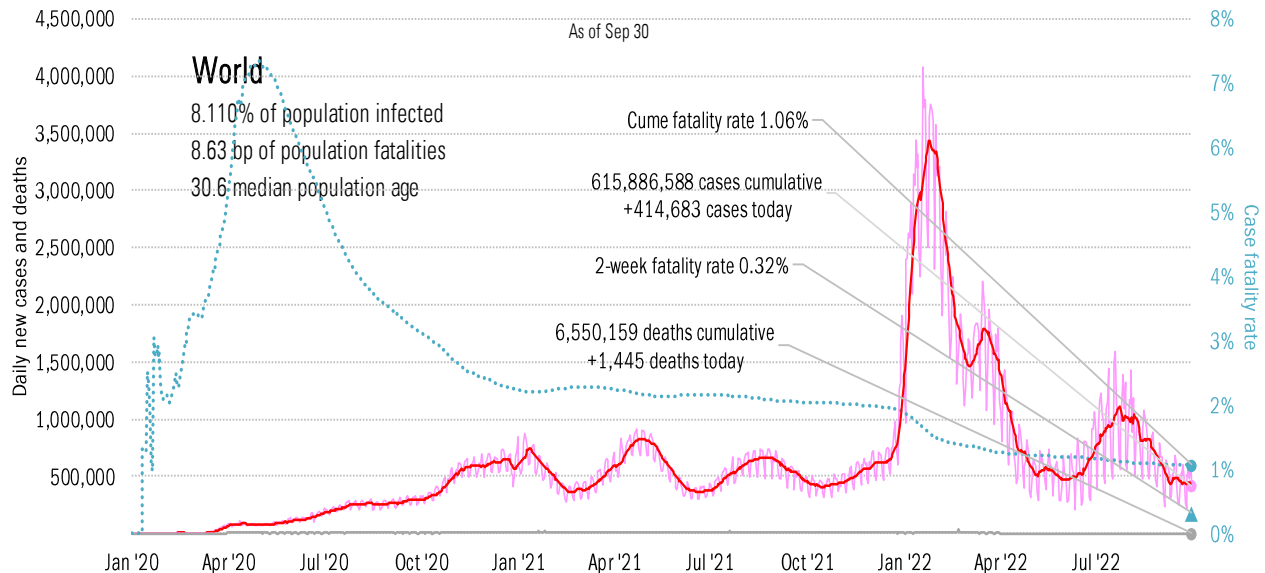
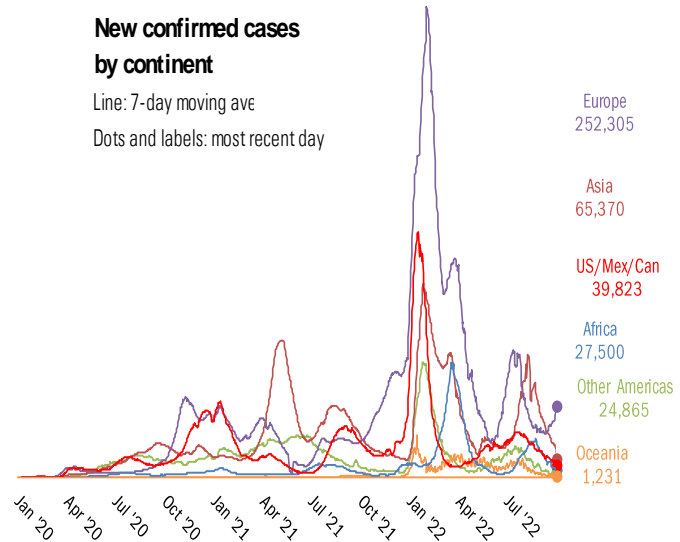
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Germany	73,856	United States	483
United States	63,863	Germany	116
France	48,261	Brazil	109
Taiwan*	43,459	Russia	104
Russia	36,875	Spain	95
Italy	34,475	Australia	50
Korea, South	26,913	Taiwan*	50
Brazil	18,334	Korea, South	39
Austria	13,015	Italy	38
Spain	10,721	Peru	36
<b>369,772</b>		<b>1,120</b>	
World	414,683	World	1,445
Top ten	89%	Top ten	77%

#### New confirmed cases by continent

Line: 7-day moving ave  
 Dots and labels: most recent day



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

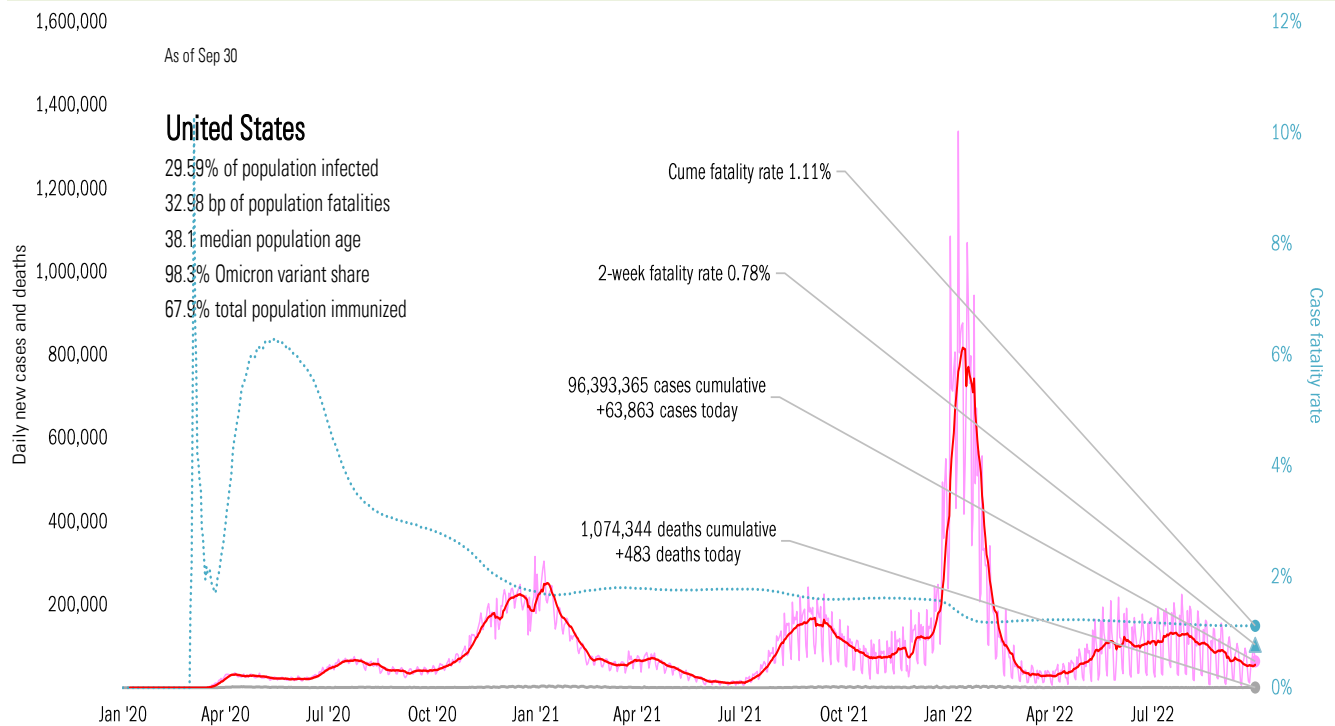
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
CA	6,366		KS	68		NY	343		CA	11,266,623		CA	95,965		TX	545,665		RI	92%		DE	87%	
FL	5,774		FL	47		NJ	152		TX	7,996,241		TX	90,913		CA	499,644		MA	88%		AK	85%	
NY	5,354		IN	34		MA	142		FL	7,156,749		FL	81,448		FL	493,353		MN	86%		MA	84%	
MO	4,678		TN	28		PA	202		NY	6,121,313		NY	71,828		NY	299,663		MO	85%		NH	83%	
TX	3,645		TX	28		MI	156		IL	3,762,220		PA	47,213		GA	225,689		WA	85%		TX	83%	
WA	2,682		WA	27		MT	28		PA	3,254,503		GA	40,281		CH	218,202		NH	84%		NC	82%	
NJ	2,524		NY	26		NH	27		NC	3,198,866		CH	39,856		PA	203,611		DC	83%		MN	82%	
NC	2,299		MI	23		KY	87		CH	3,143,746		IL	39,698		IL	186,608		DE	82%		VT	82%	
IL	2,101		VA	18		CK	50		GA	2,905,400		MI	38,624		MI	162,526		MD	82%		GA	81%	
MI	2,097		AR	17		WY	13		MI	2,836,167		NJ	34,744		KY	145,122		GA	82%		WA	81%	
37,520			316			1,200			51,641,828			580,570			2,980,083								
All states 63,863			483			3,631			All states 96,393,365			1,074,344			5,406,638			All states 70%		67%			
Top ten 59%			65%			33%			Top ten 54%			55%			55%			Median 77%		74%			

Some states not reporting

## Five most improved US states

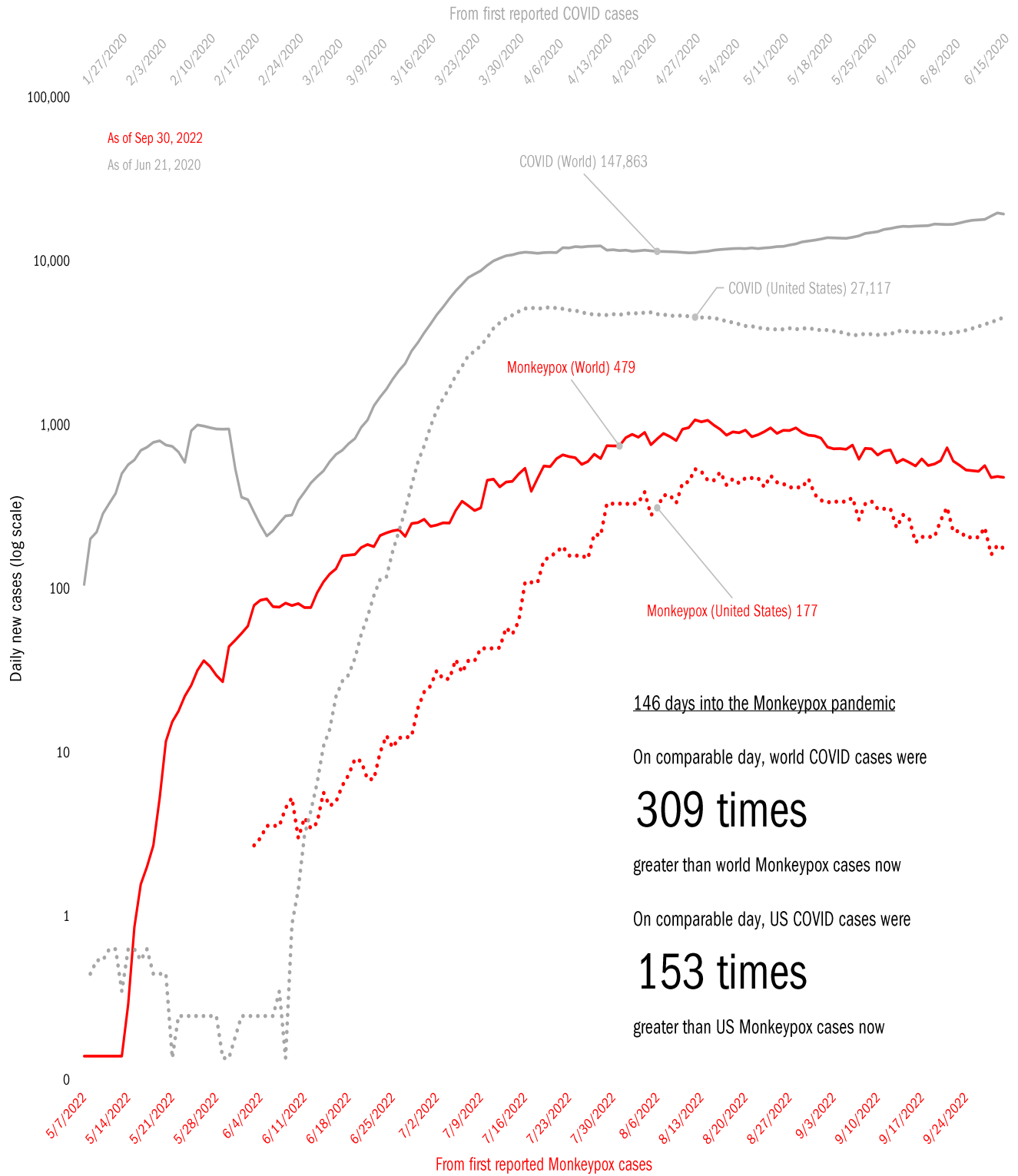
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CO	-761	CA	-212	CH	-58
NY	-519	NY	-39	IL	-46
ID	-220	TX	-28	AL	-29
CA	-188	NE	-7	FL	-25
WI	-143	IL	-6	NM	-24



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

# The Monkeypox contextualizer

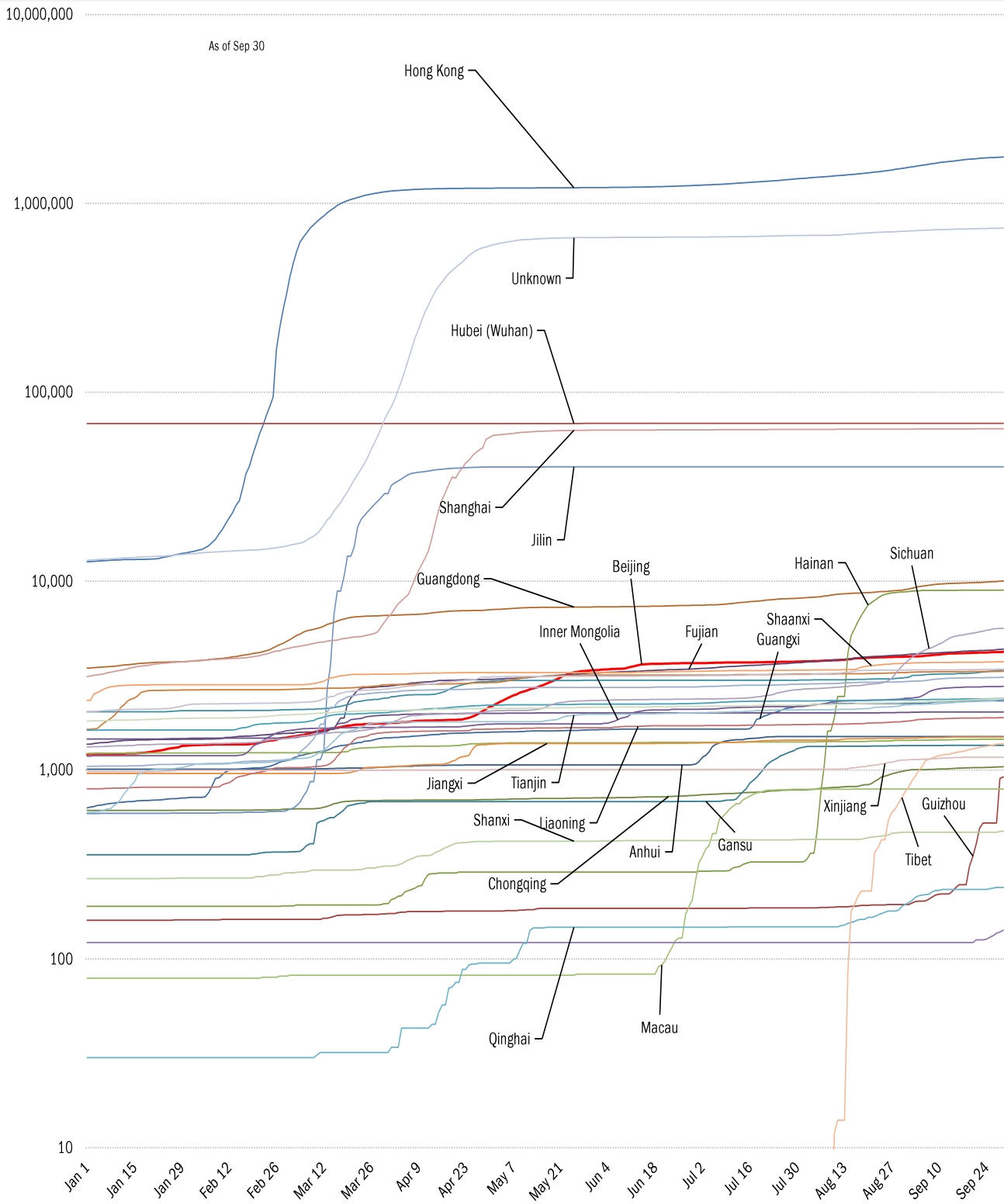
## The course of case growth versus COVID



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

# China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

*Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*

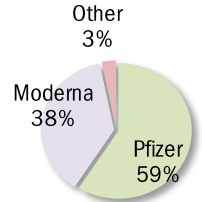


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	631,639,689		+0.490 million	US	67.8%	79.5%
of which boosters	111,721,786		+0.055 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	272,009,452	81%	231,527,726	69%	+0.050 million	France 78.7% 80.9%
Age 12 to 17	18,203,927	72%	15,554,814	61%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	181,388,452	89%	154,049,342	76%	+0.024 million	Germany 76.1% 77.7%
Age 65 and over	59,876,702	100%	52,388,902	96%	+0.011 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.2% 72.3%
						Canada 82.7% 87.2%
						Japan 82.5% 83.6%
						Africa 22.6% 28.5%
						India 67.3% 72.9%
						Brazil 80.3% 87.2%
						China 89.1% 91.4%



AK	71.7%
	63.5%

State
At least partial immunity as % population
Full immunity as % population

Best
Middle
Worst

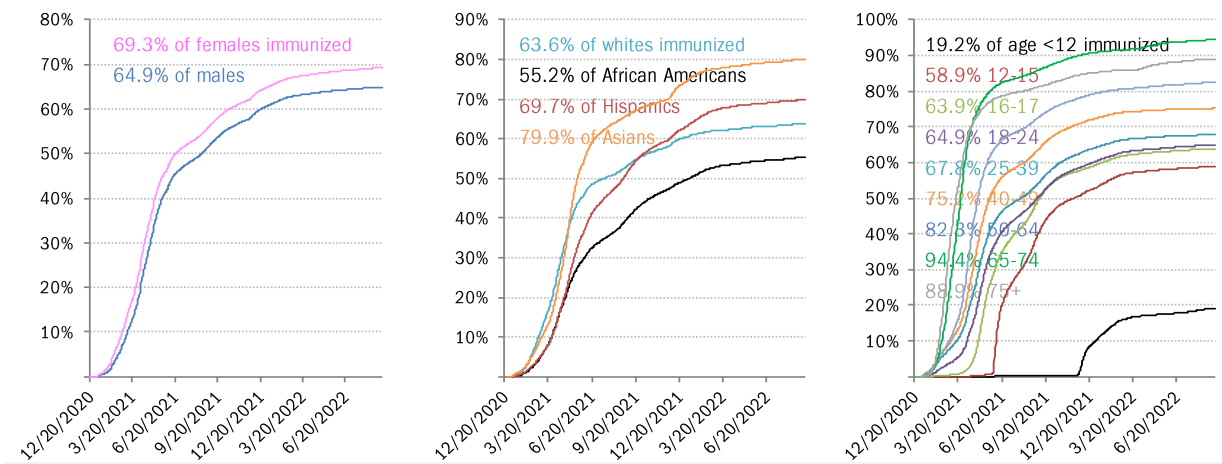
"Immunity" = two doses

As of Sep 23

Global data differs due to sources, timing

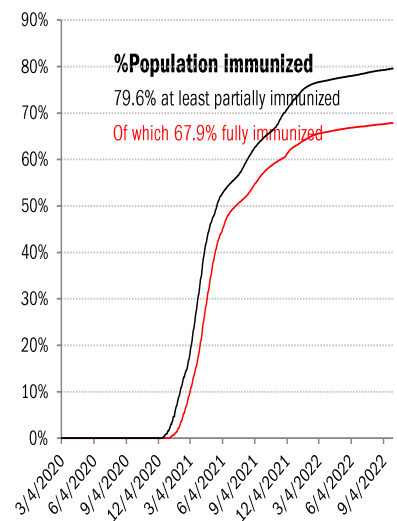
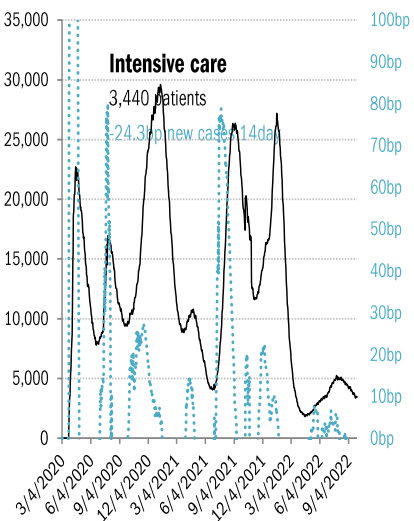
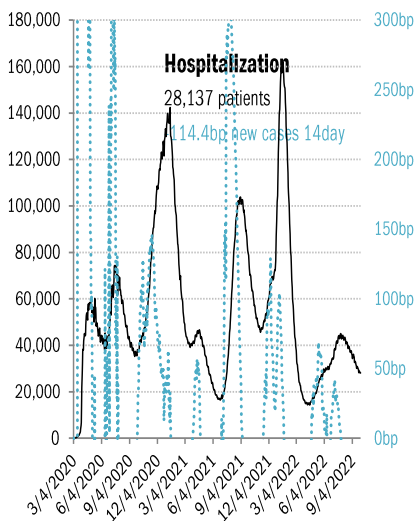
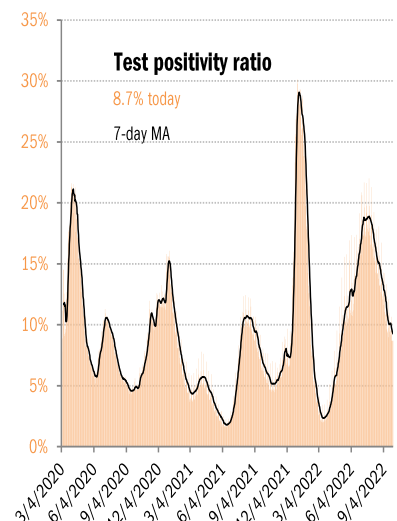
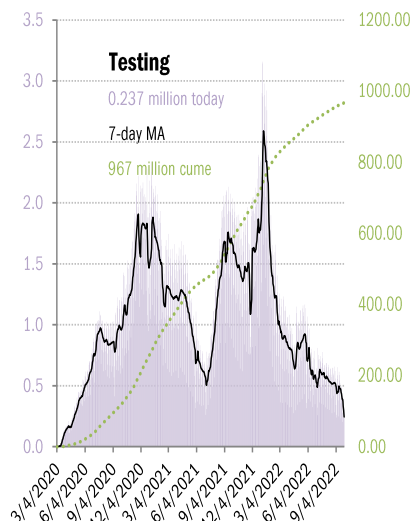
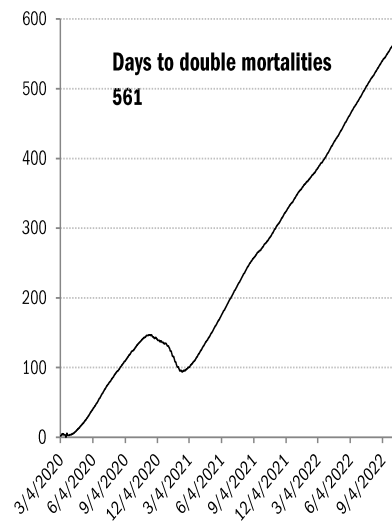
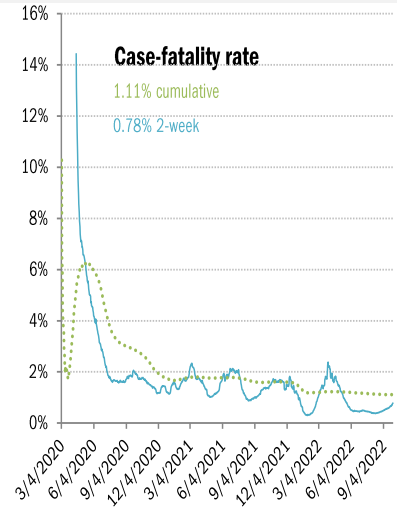
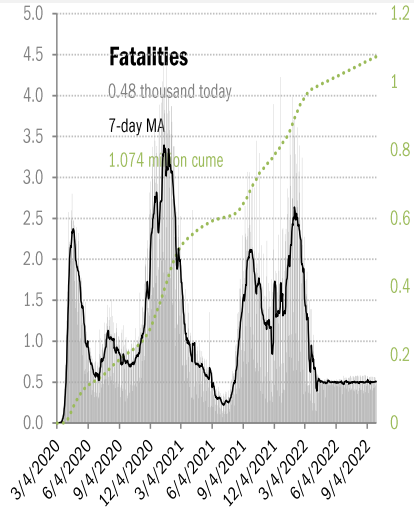
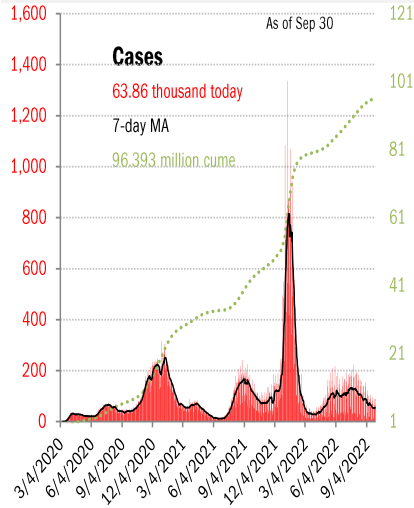
					WI						ME
					73.4%						93.5%
					66.8%						81.5%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
83.2%	62.6%	66.8%	67.3%	77.0%	77.5%	68.3%			92.3%	95.0%	91.4%
74.0%	55.3%	58.0%	56.8%	70.6%	69.8%	61.3%			78.8%	83.2%	72.8%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
79.7%	77.2%	59.4%	79.8%	69.4%	63.3%	64.6%	87.8%		92.7%	95.0%	
70.9%	62.1%	52.0%	64.0%	63.1%	56.9%	59.5%	70.8%		77.4%	81.2%	
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT	RI
84.3%	73.8%	81.7%	71.9%	67.8%	67.6%	66.4%	88.2%		89.3%	95.0%	95.0%
73.7%	65.5%	71.8%	64.9%	57.5%	58.5%	58.8%	74.9%		77.7%	81.1%	85.3%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE	
	75.8%	90.8%	74.4%	68.4%	63.5%	87.9%	69.5%		95.0%	85.7%	
	63.4%	73.0%	63.6%	55.7%	55.6%	64.0%	58.5%		80.2%	71.2%	
			OK	LA	MS	AL	GA				
			72.9%	62.1%	61.0%	64.1%	67.1%				
			58.8%	54.4%	53.1%	52.3%	56.2%				
			TX						FL		PR
			74.7%						81.1%		95.0%
			62.2%						68.4%		85.0%

## The demographics of US vaccination

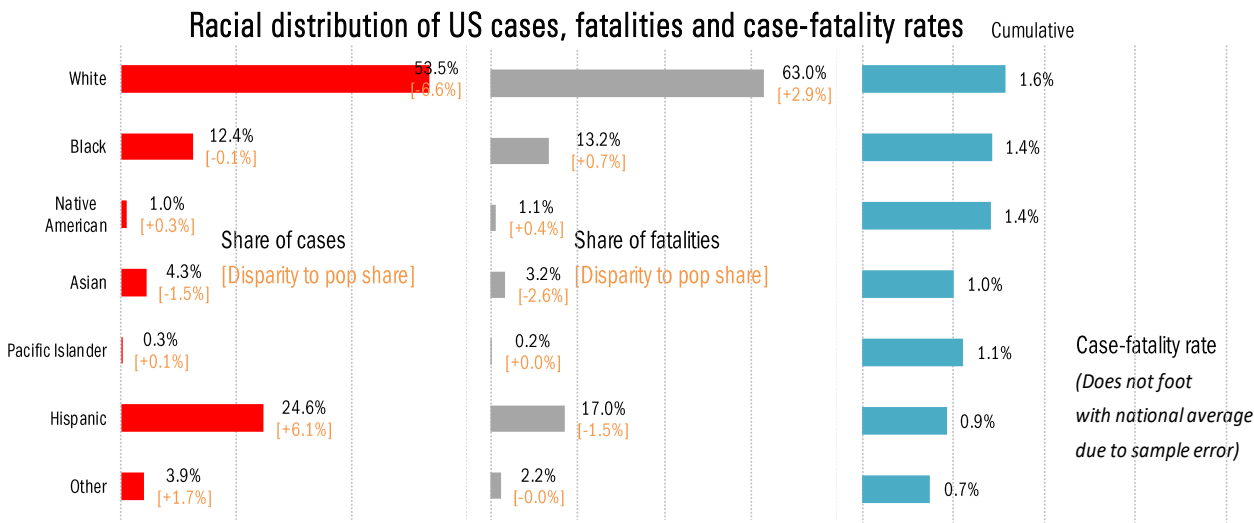
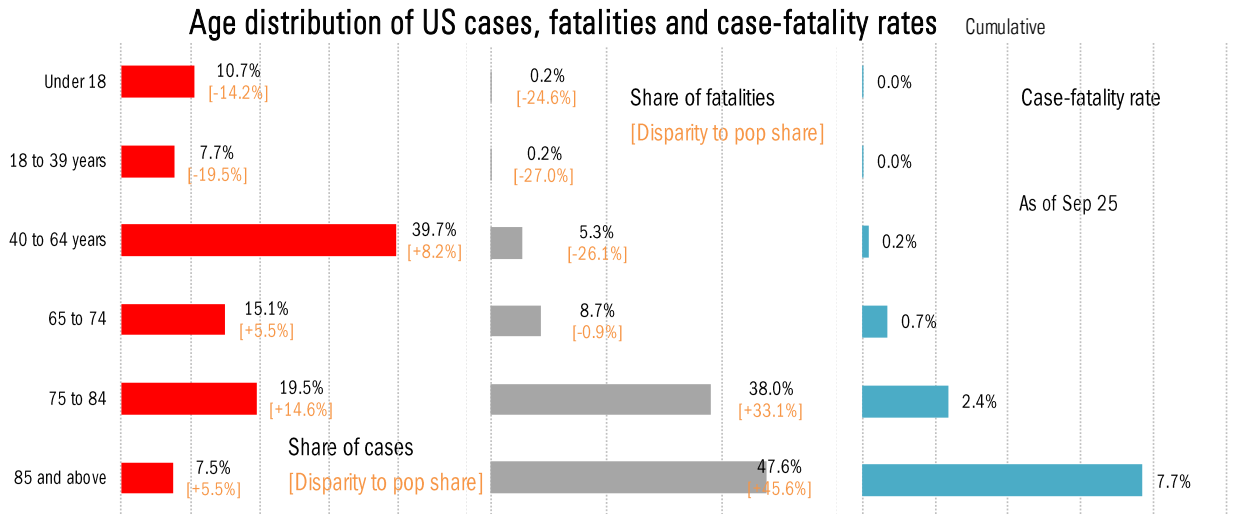


Source: CDC, CDC, Our World in Data, TrendMacro calculations

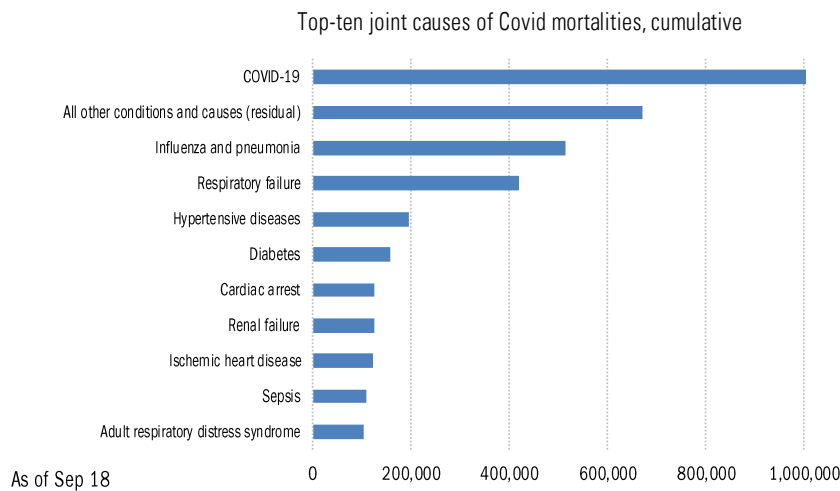
# US deep-dive



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

[Air Canada Welcomes Government of Canada Decision to Lift Mask, Testing and ArriveCan Requirements](#)

*Air Canada*

September 26, 2022

[Goodbye Covid \(part 1\)](#)

Alex Berenson

*Unreported Truths*

September 29, 2022

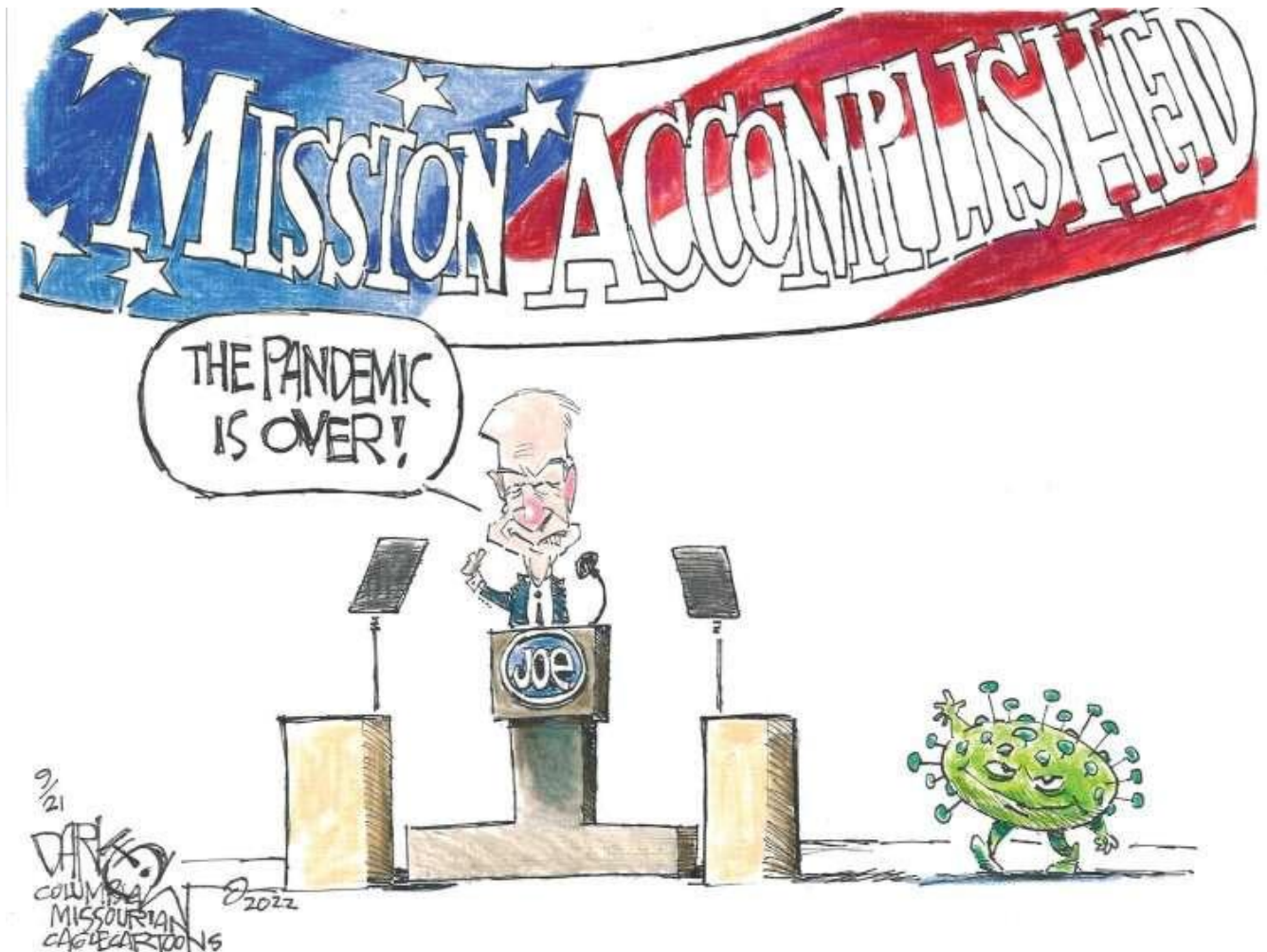
[Detection of Messenger RNA COVID-19 Vaccines in Human Breast Milk](#)

Nazeeh Hanna

*Jama Pediatrics*

September 25, 2022

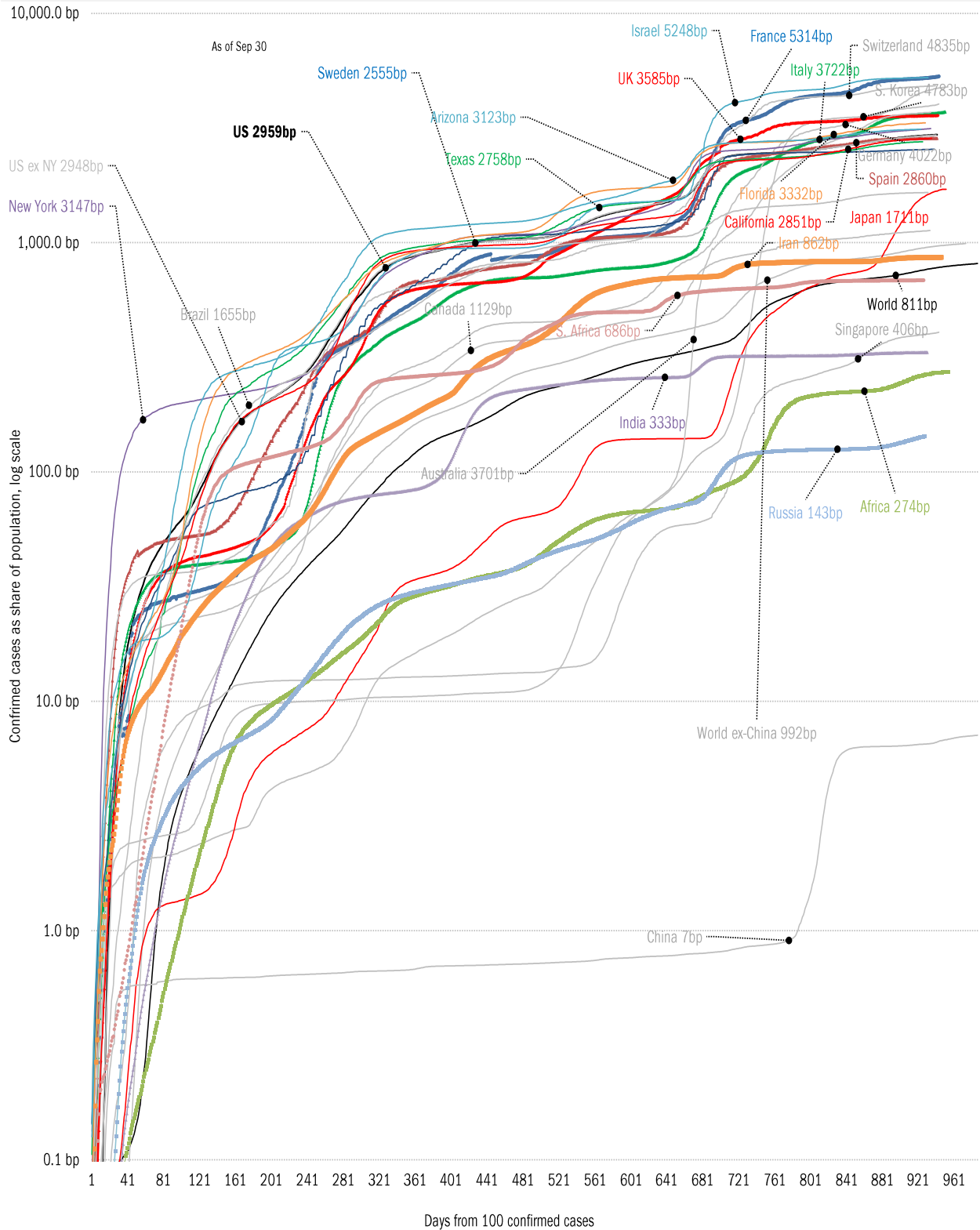
## Meme of the day



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



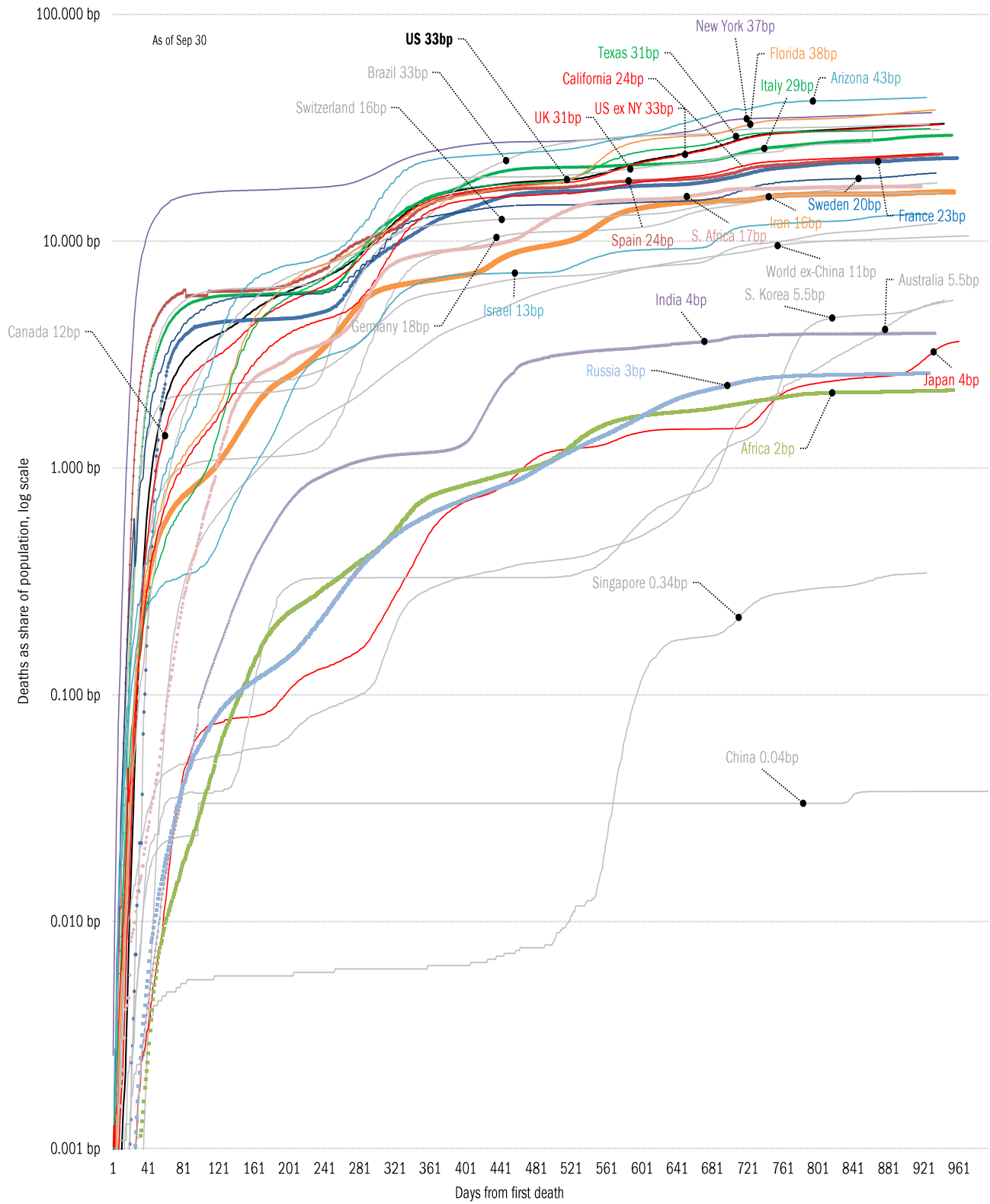
The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

# The global coronavirus mortality accelerometer ... tracking the world's fatality curves

*Share of deceased population from day of first fatality, log scale*

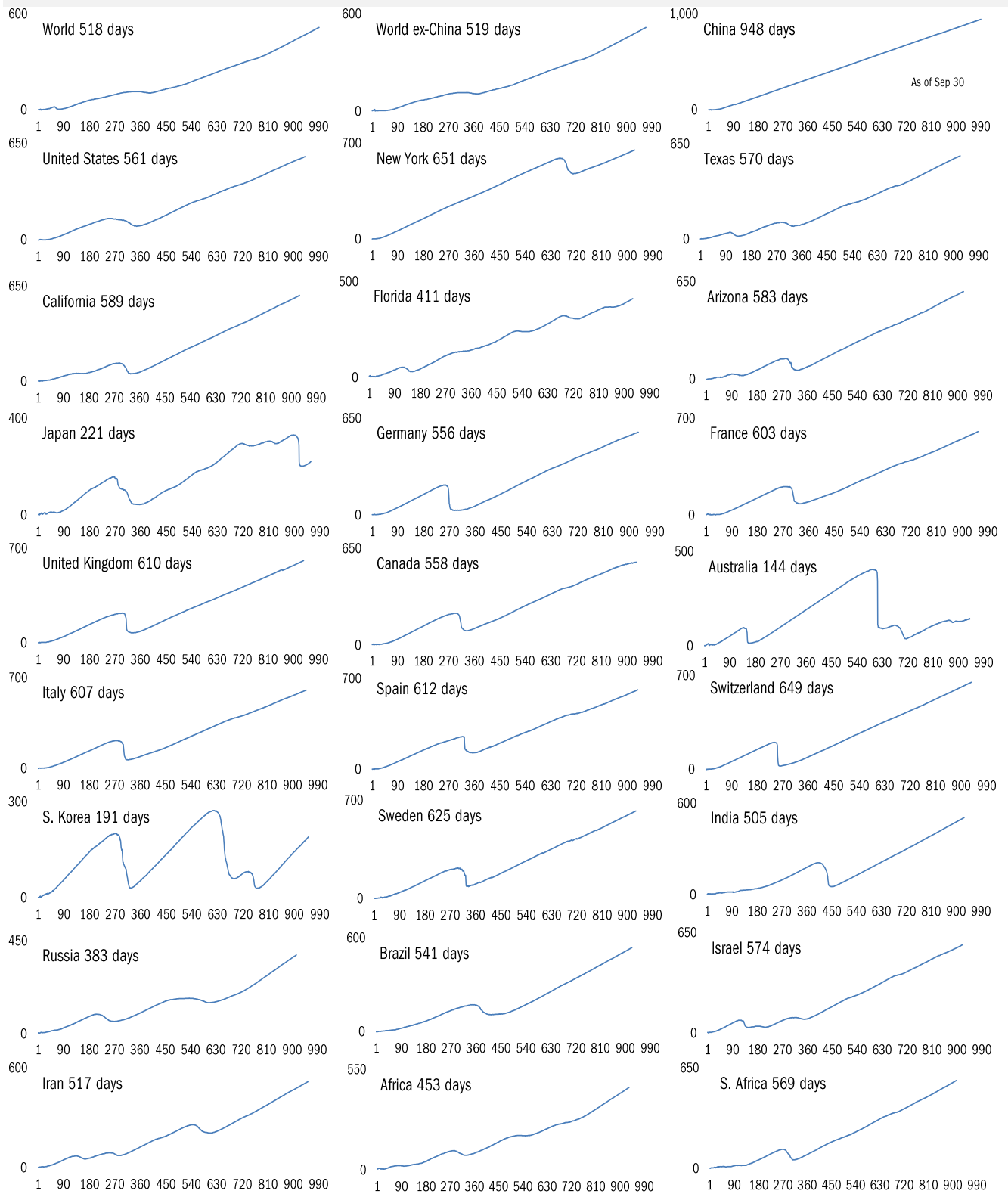


Source: [Johns Hopkins](#), TrendMacro calculations

# Our most reliable evidence of the rate of spread of Covid-2019

Vertical: days to double deaths Horizontal: days from first death

Higher is good Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

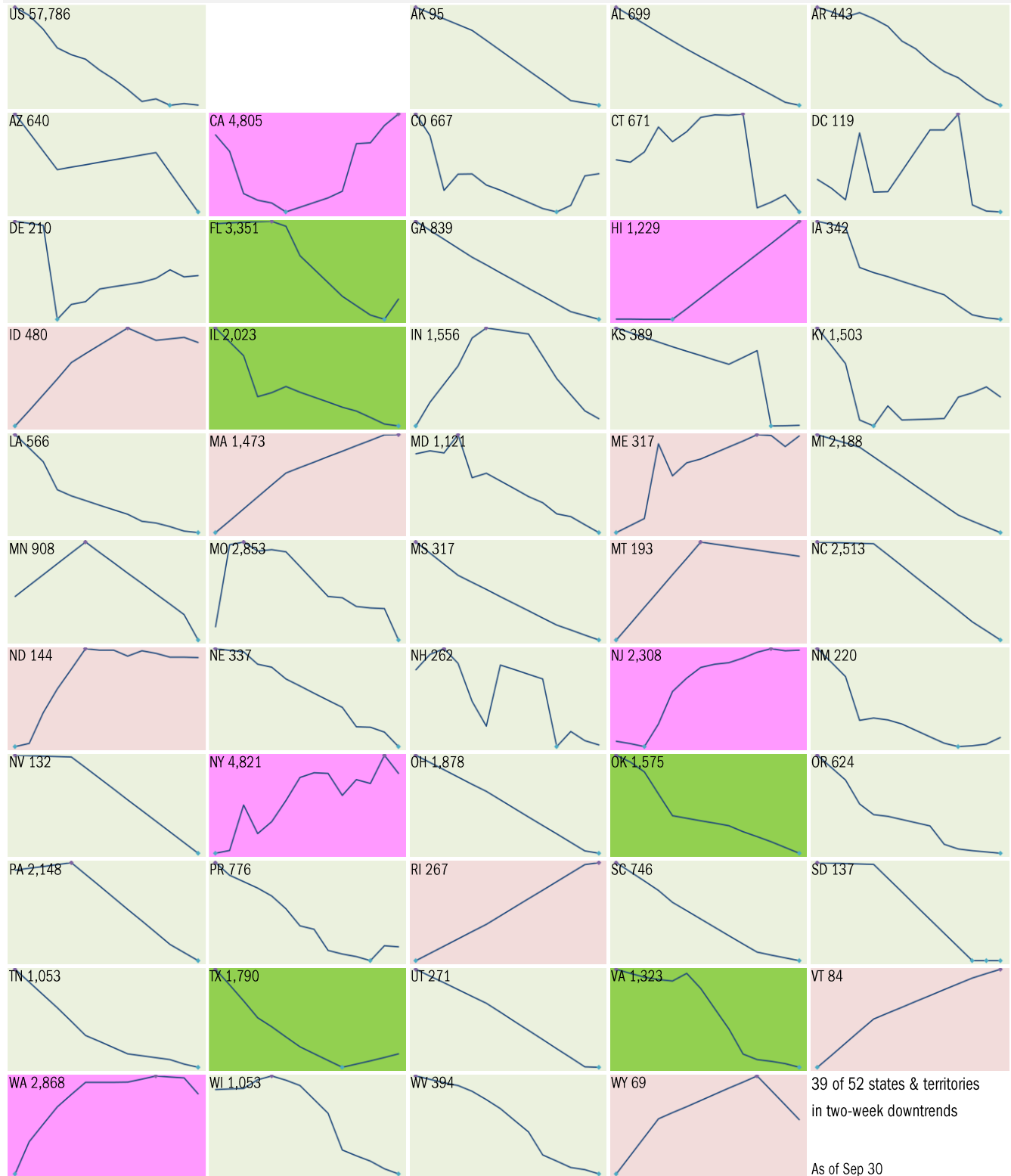


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

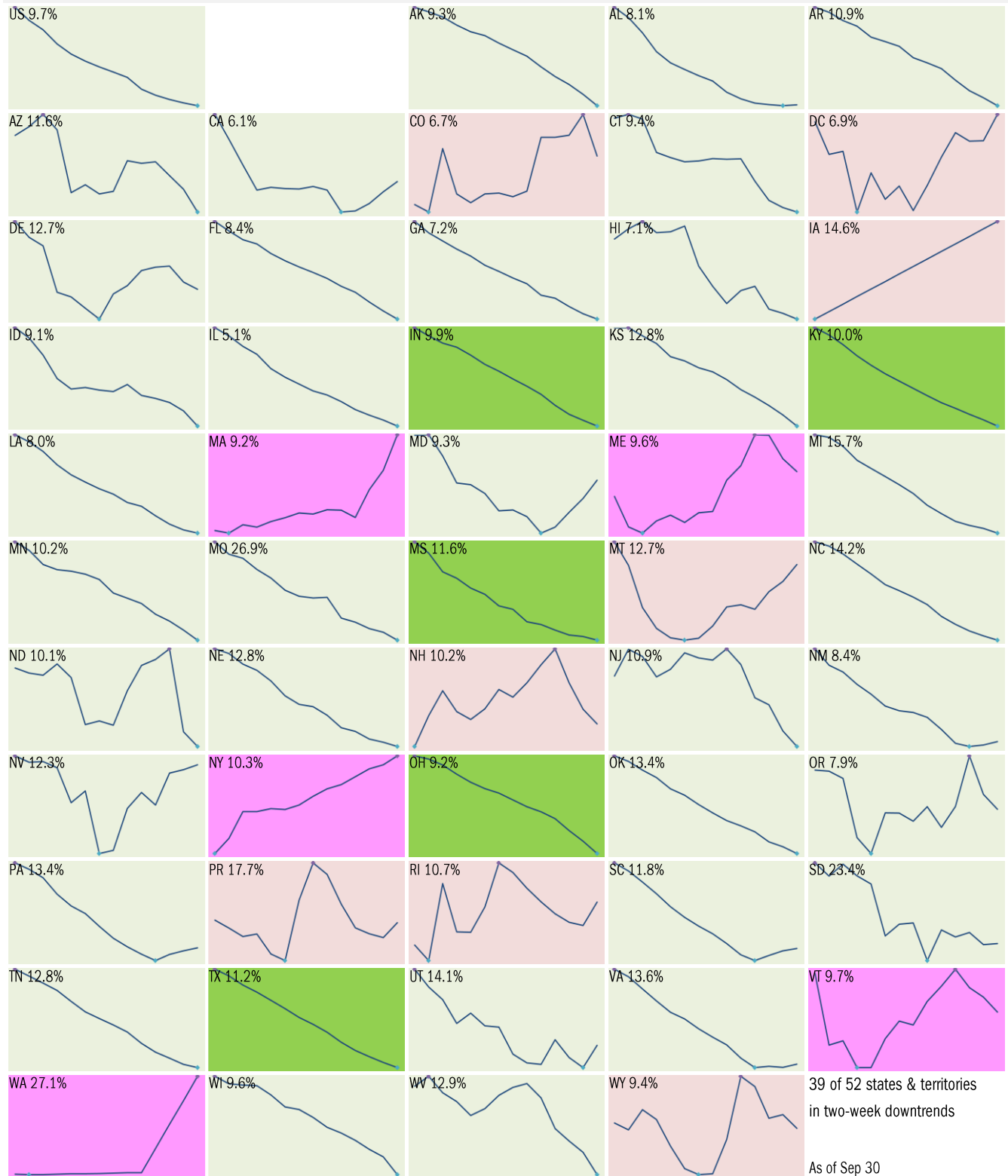


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

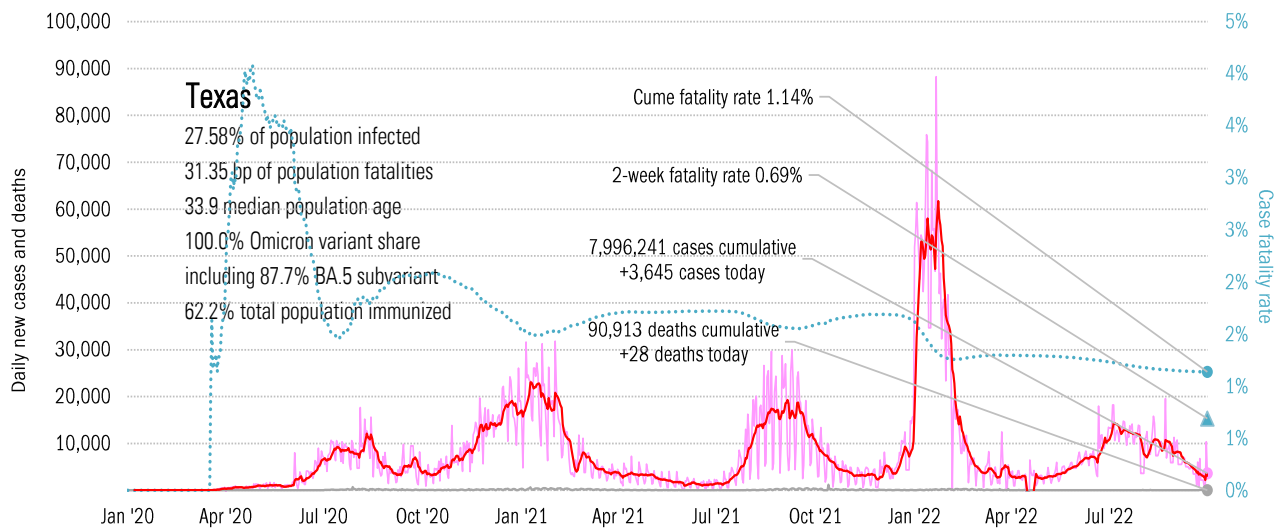
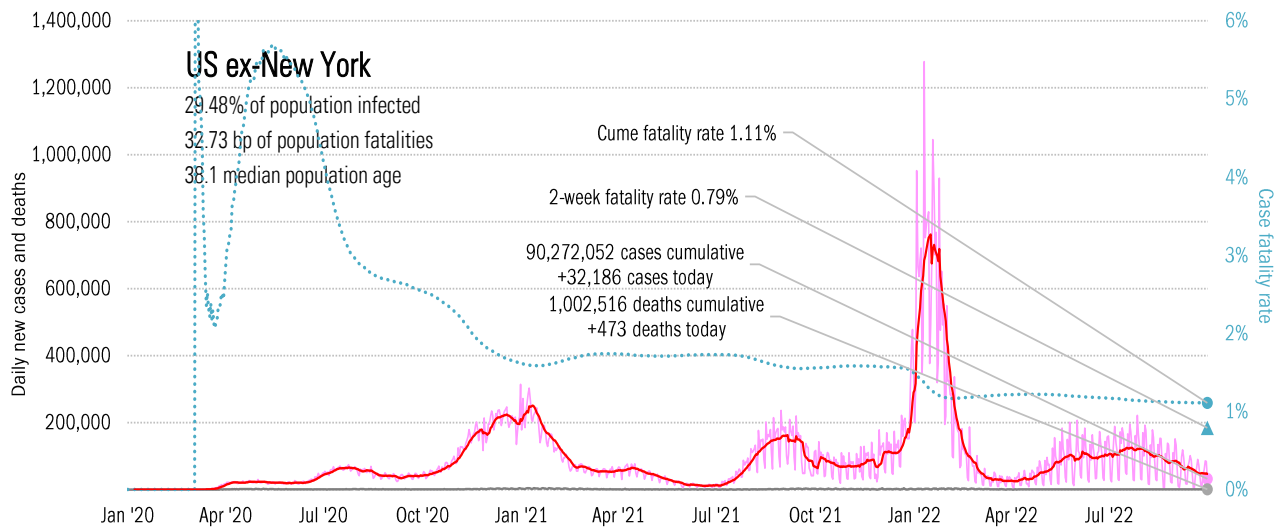
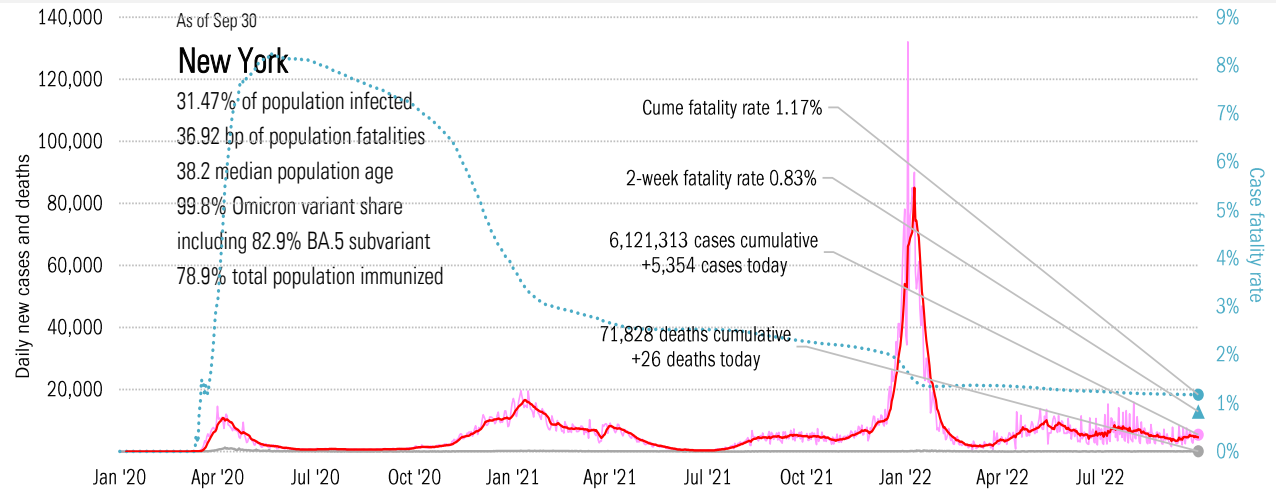
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

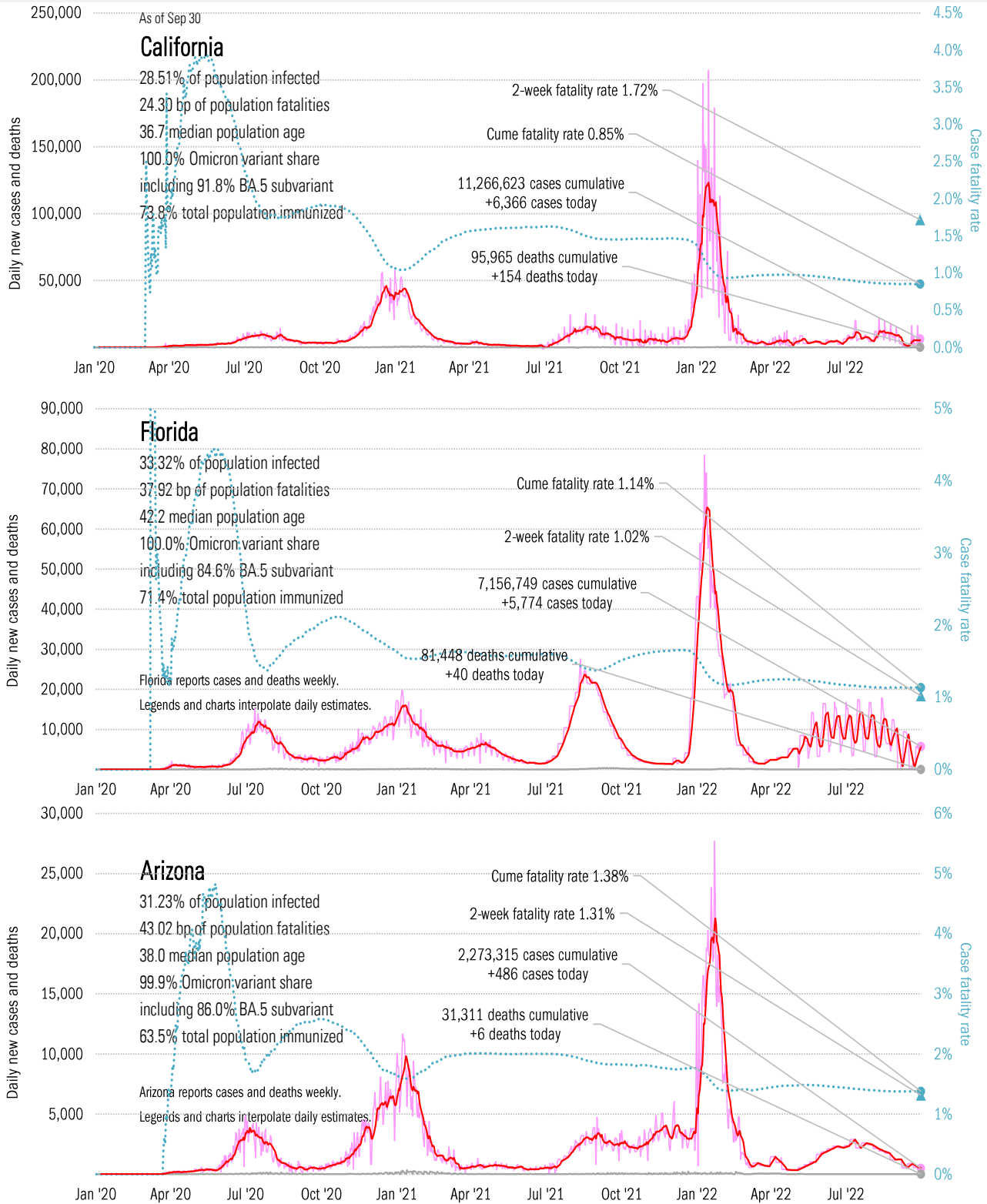
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

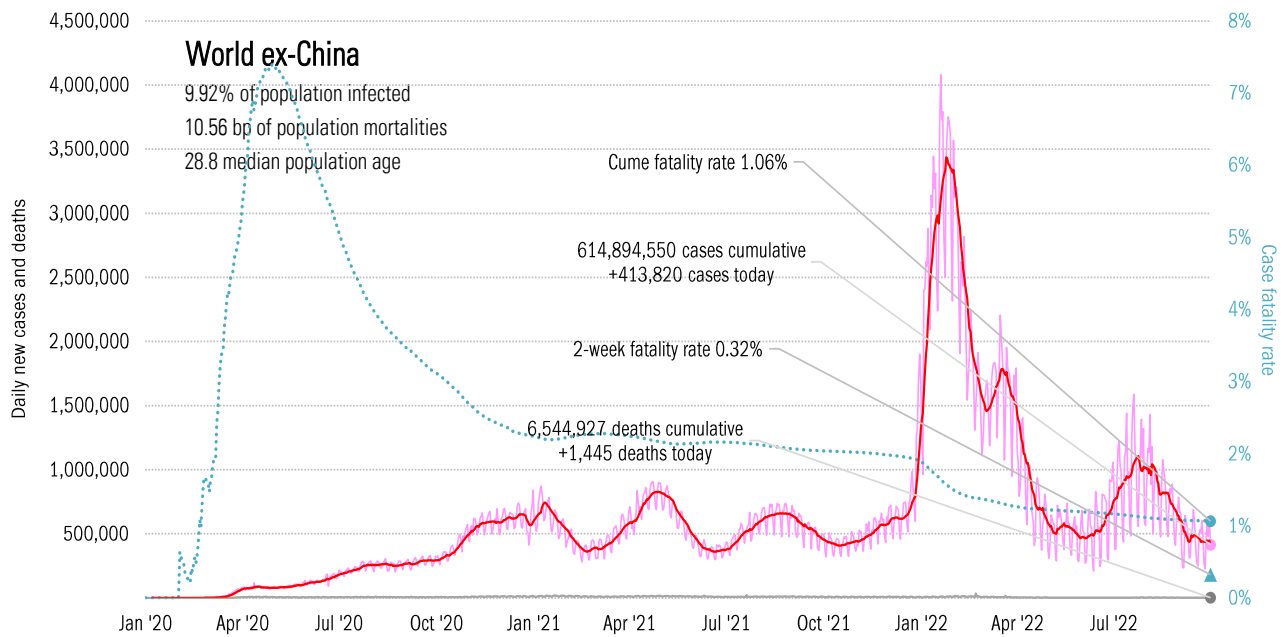
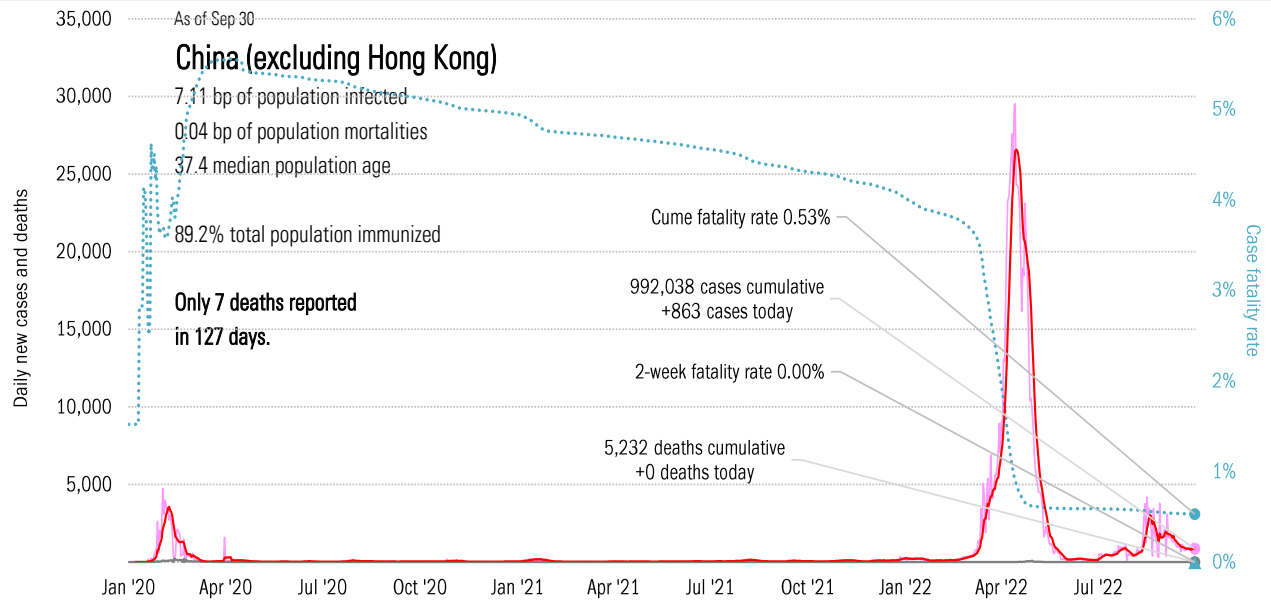
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

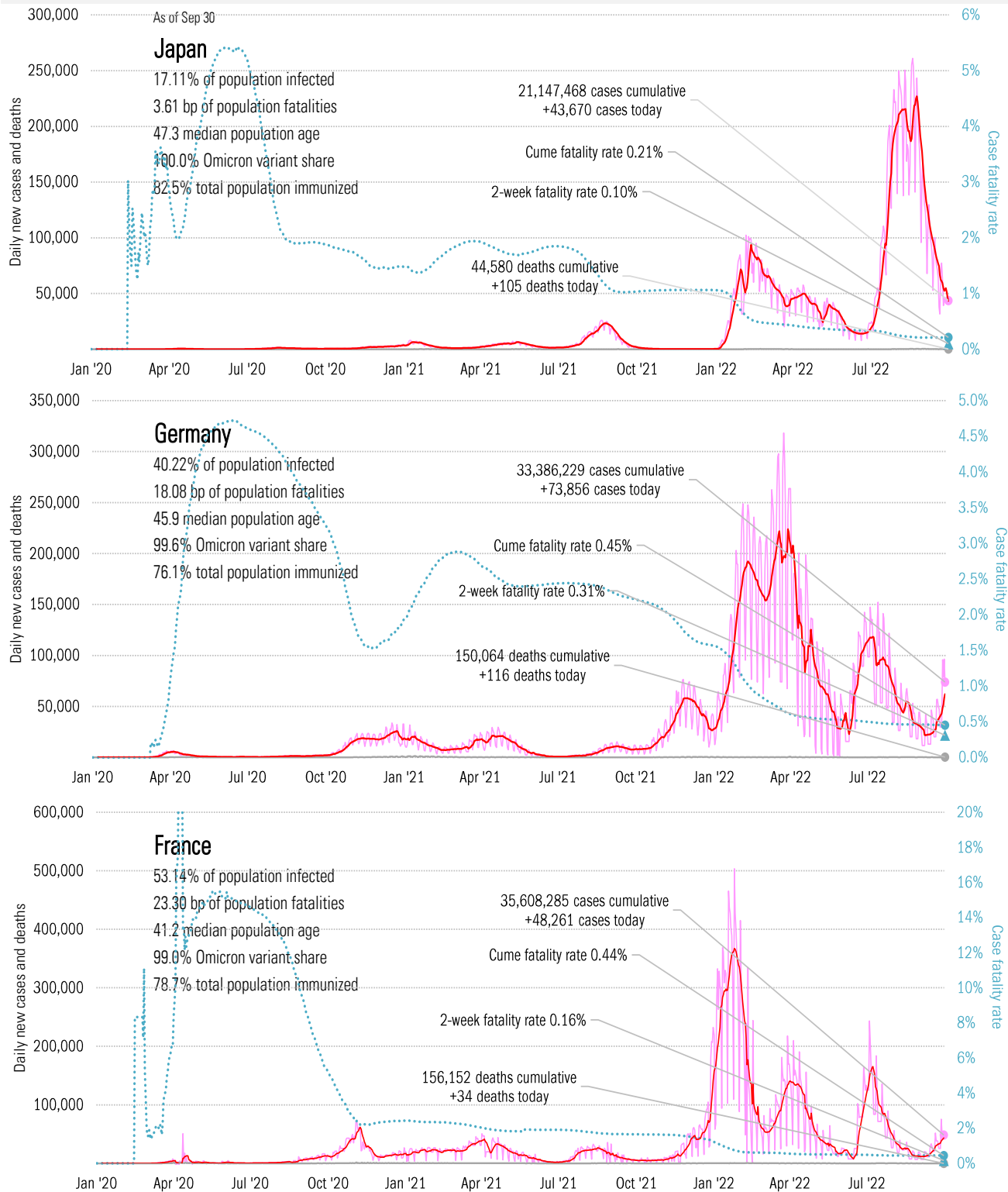


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

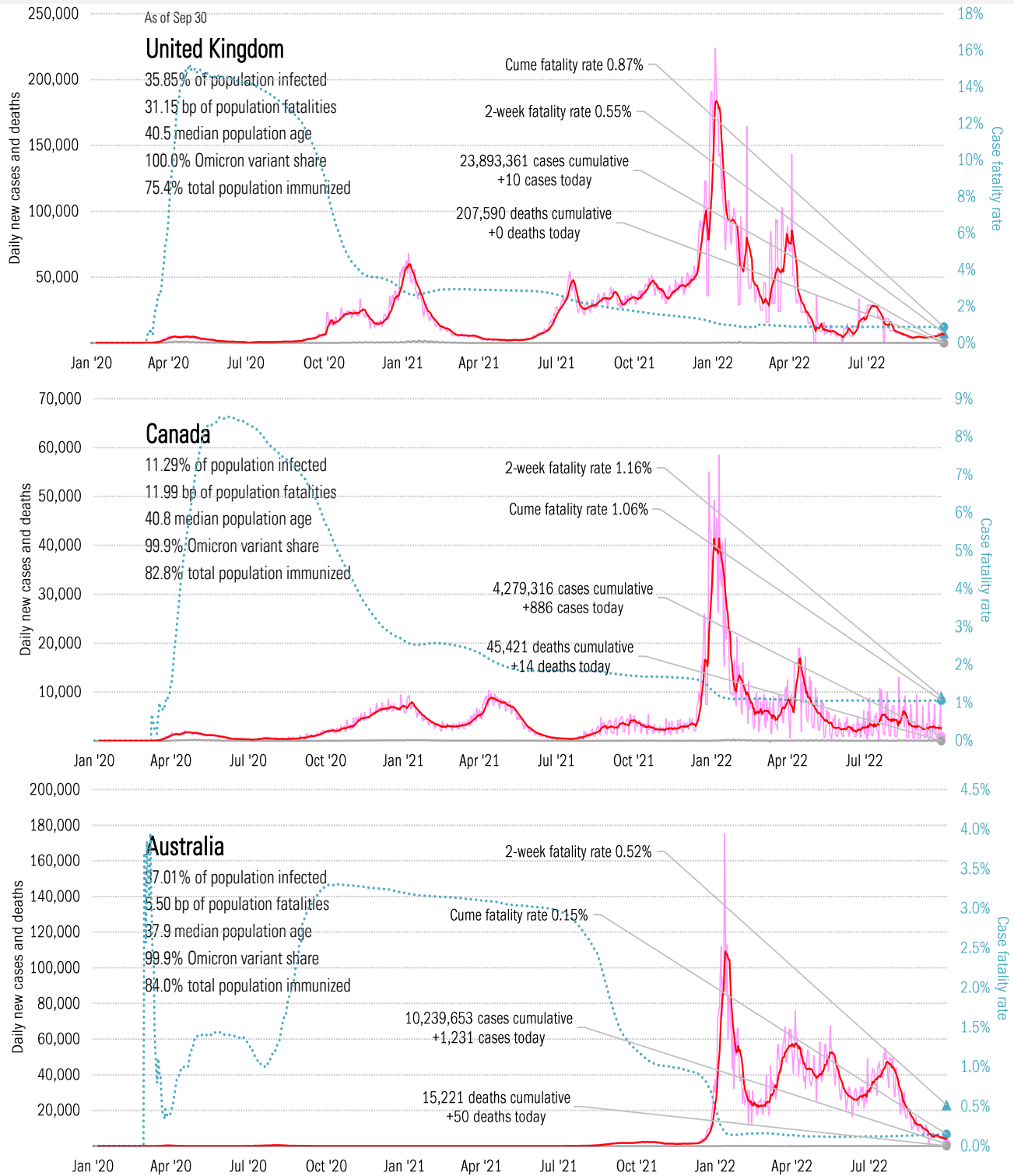
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

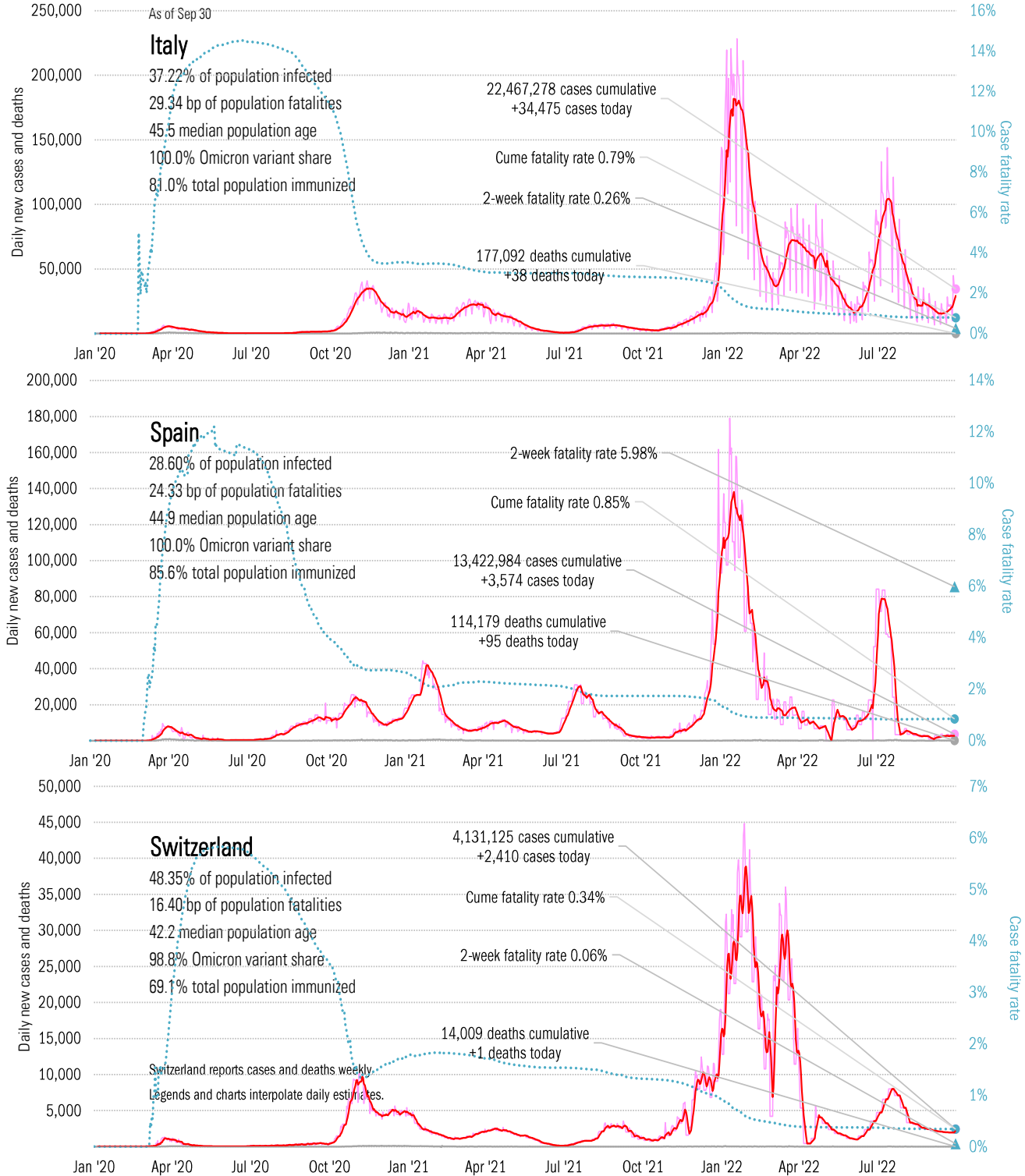
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

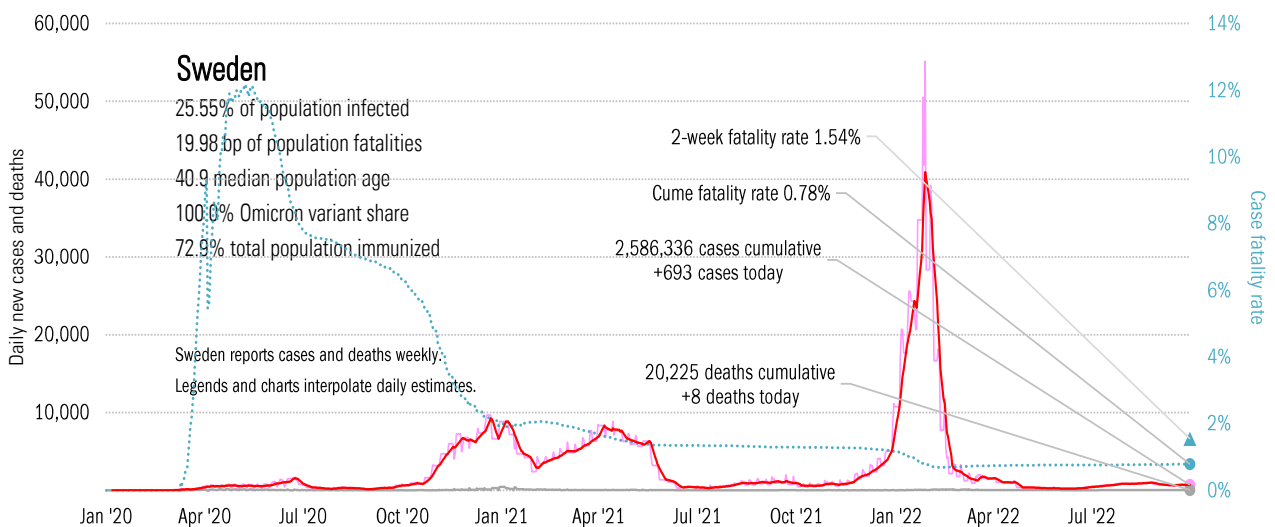
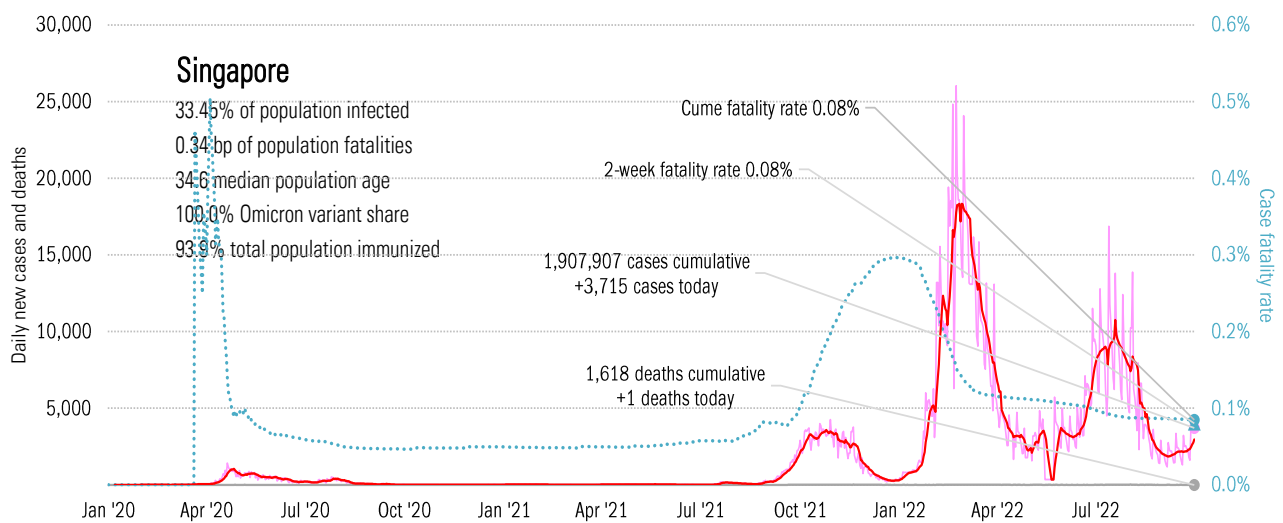
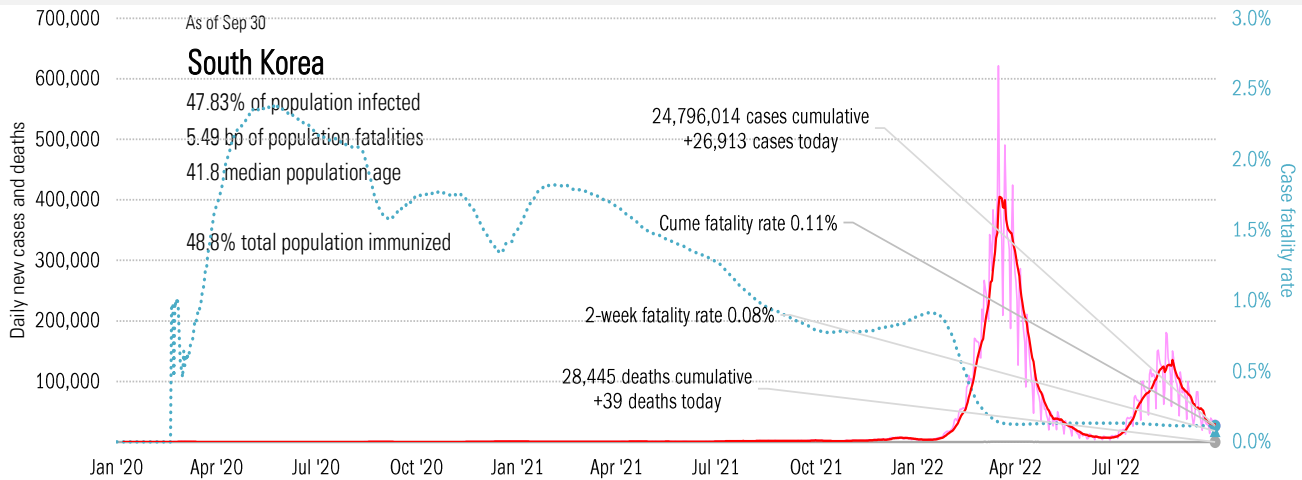
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

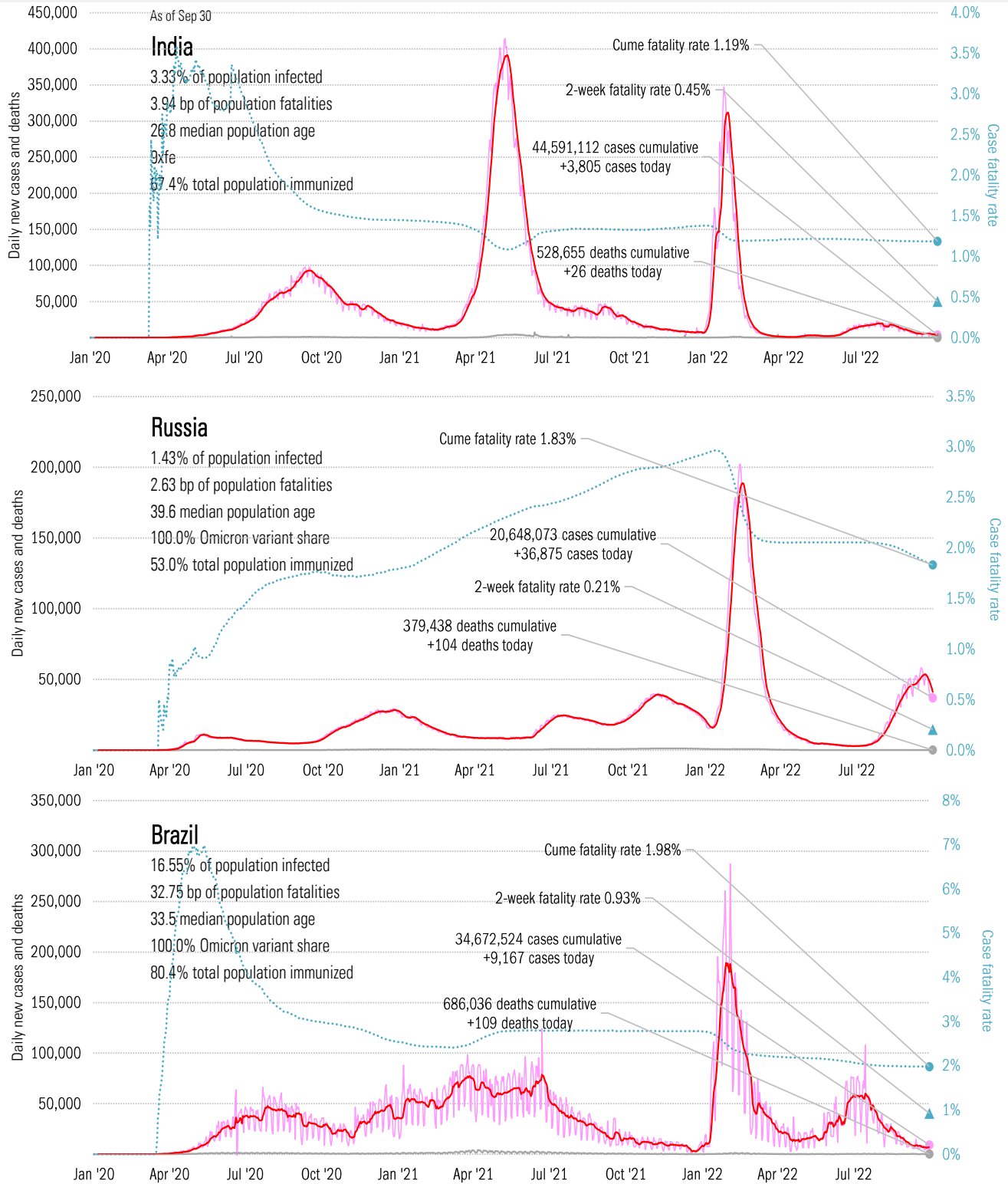
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

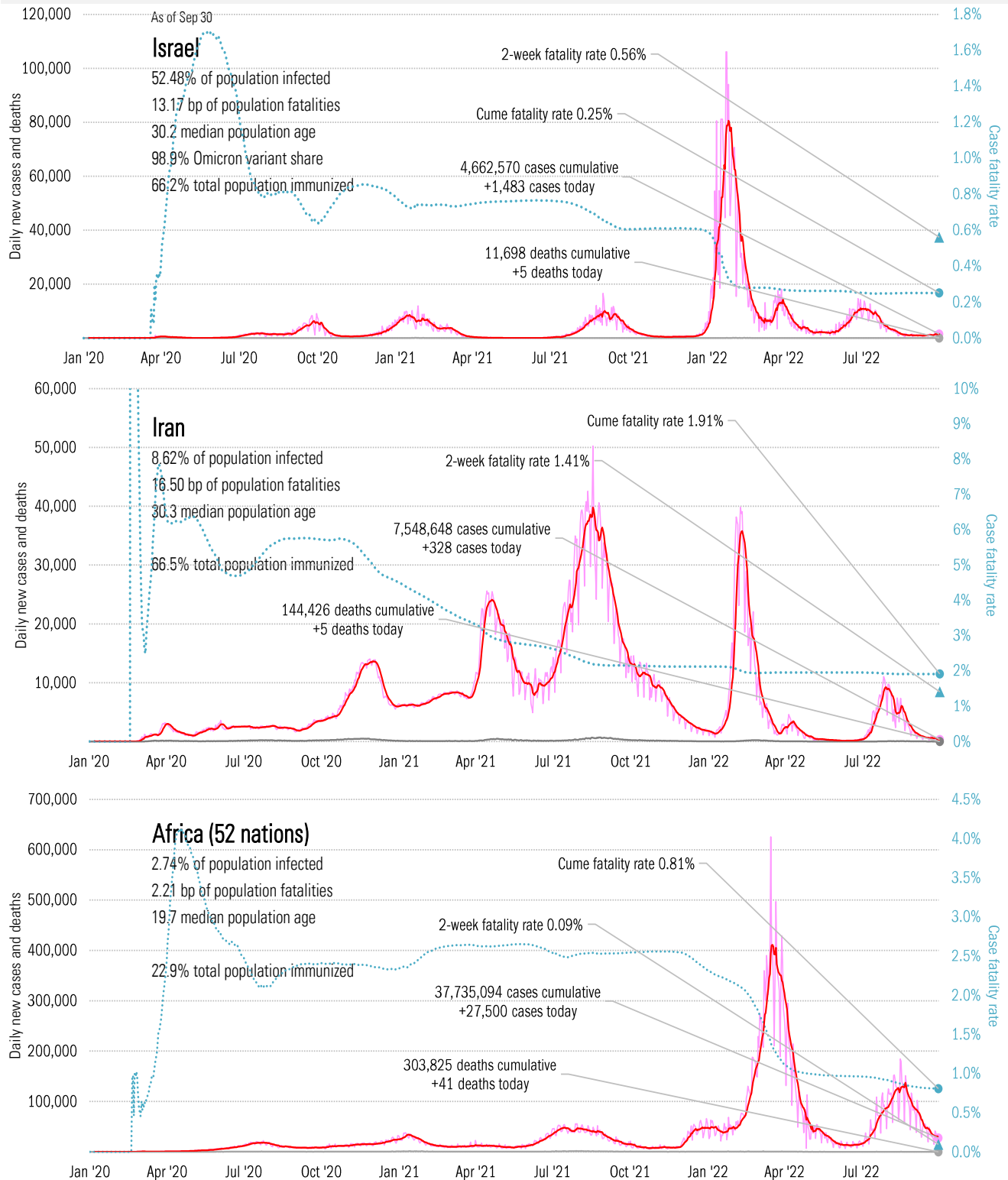
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

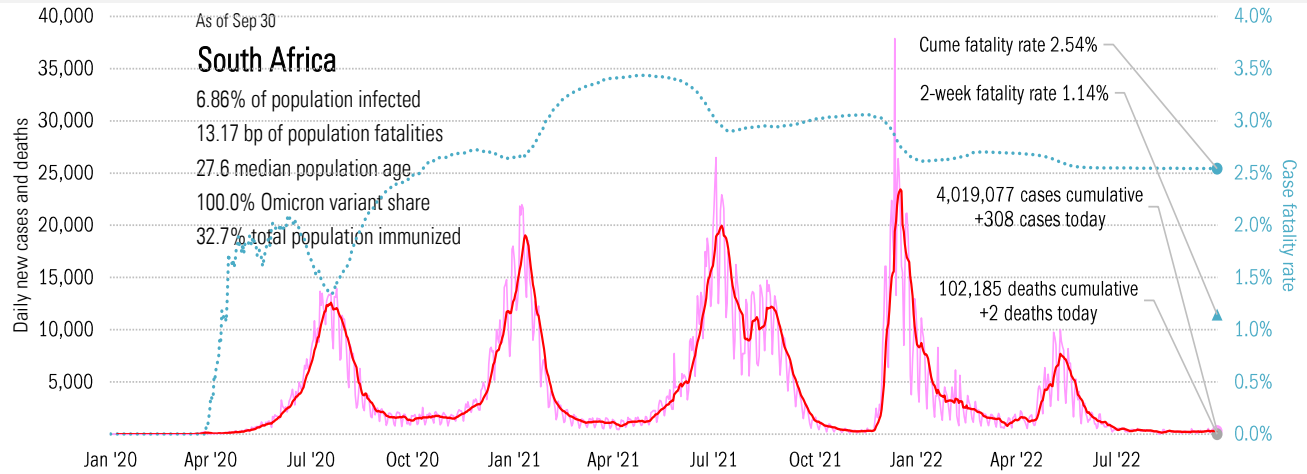
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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