

## Data Insights: Covid-2019 Monitor

Tuesday, September 13, 2022

### The global scorecard

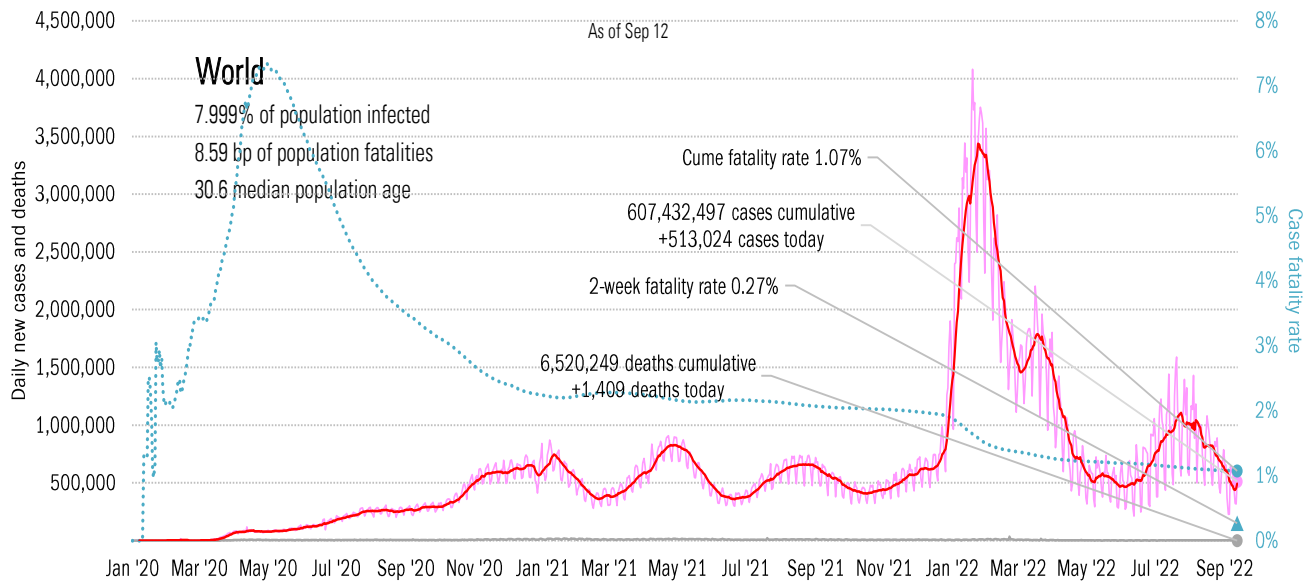
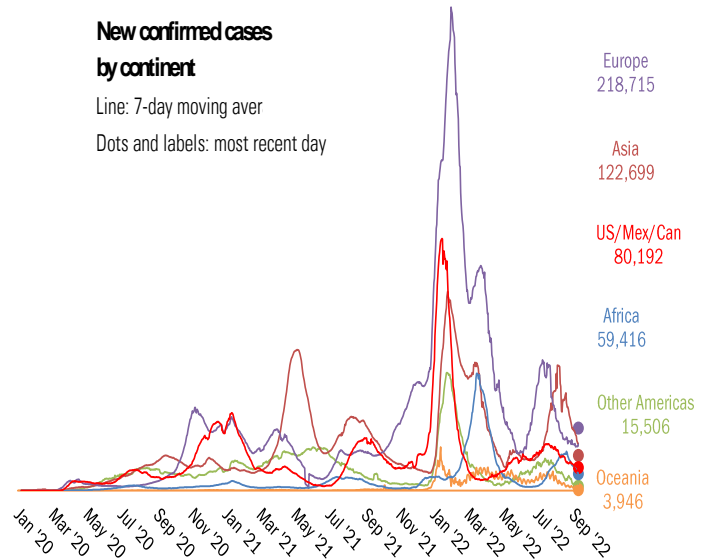
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
United States	77,390	United States	581
Korea, South	57,309	Japan	145
Germany	54,930	Germany	90
Japan	52,836	Turkey	89
Russia	45,911	Brazil	85
France	40,540	Russia	81
Georgia	26,524	France	61
Taiwan*	25,555	Philippines	38
Turkey	22,441	Chile	36
Austria	22,084	Korea, South	35
<b>425,520</b>		<b>1,241</b>	
World	513,024	World	1,409
Top ten	83%	Top ten	88%

#### New confirmed cases by continent

Line: 7-day moving aver  
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

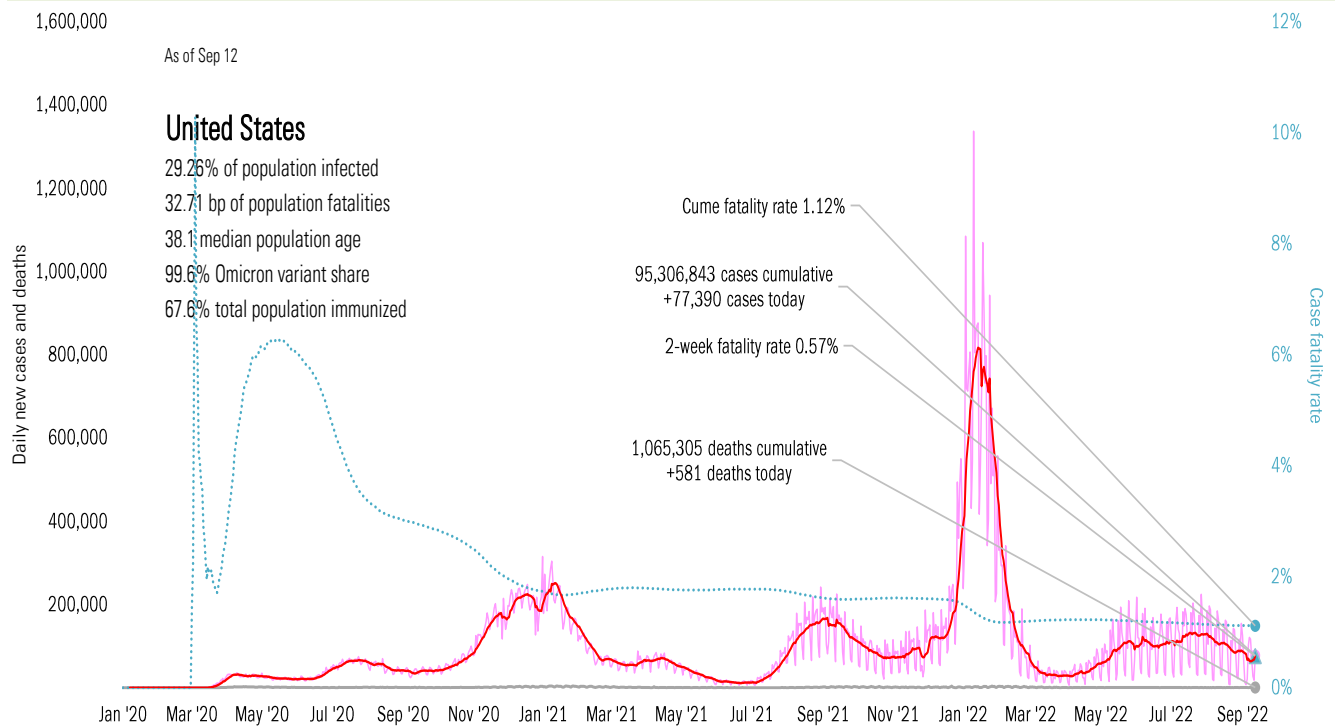
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
FL	9,440		MI	83		CA	473		CA	11,171,070		CA	95,349		TX	540,561		RI	91%	AK	89%
NY	8,200		FL	78		GA	220		TX	7,927,340		TX	90,522		CA	493,857		MA	87%	RI	87%
TX	5,014		NY	52		MI	150		FL	7,091,773		FL	80,547		FL	488,092		GA	86%	TX	86%
CA	4,503		CA	38		IL	188		NY	6,035,698		NY	71,363		NY	294,318		MN	85%	NM	86%
VA	4,402		TX	27		NC	151		IL	3,722,915		PA	46,831		GA	224,138		MO	84%	NC	83%
CH	3,104		WA	26		AL	96		PA	3,203,488		GA	39,875		CH	215,032		WA	84%	MA	83%
NC	2,926		VA	23		MA	92		NC	3,141,302		CH	39,576		PA	200,655		DE	83%	AL	83%
WI	2,843		WI	18		PA	176		CH	3,096,557		IL	39,461		IL	183,989		WV	83%	WA	82%
MI	2,642		PA	16		NY	220		GA	2,883,318		MI	38,121		MI	160,051		DC	82%	VT	80%
CK	2,591		IL	16		ME	23		MI	2,786,213		NJ	34,632		KY	143,473		MD	82%	ND	80%
45,665			378			1,789			51,059,674			576,277			2,944,166						
All states	77,390			581			4,103		All states	95,306,843			1,065,305			5,340,918		All states	70%		67%
Top ten	59%			65%			44%		Top ten	54%			55%			55%		Median	76%		72%

Some states not reporting

## Five most improved US states

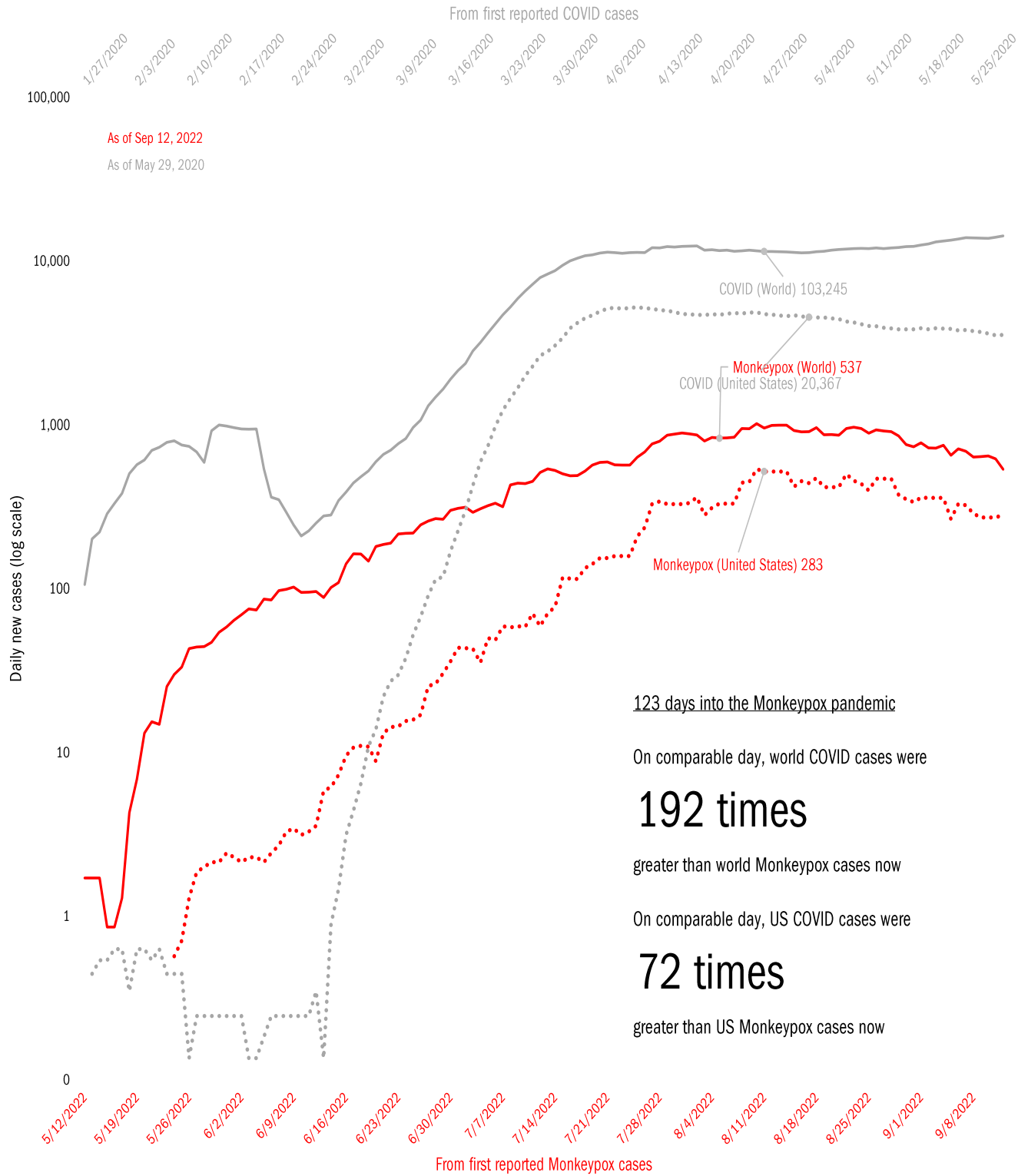
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
PA	-15,311	CA	-74	CH	-59
MO	-6,865	IN	-35	FL	-20
CA	-6,407	MO	-33	HI	-15
NJ	-775	CO	-11	FR	-14
KS	-575	WV	-9	AR	-13



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

# The Monkeypox contextualizer

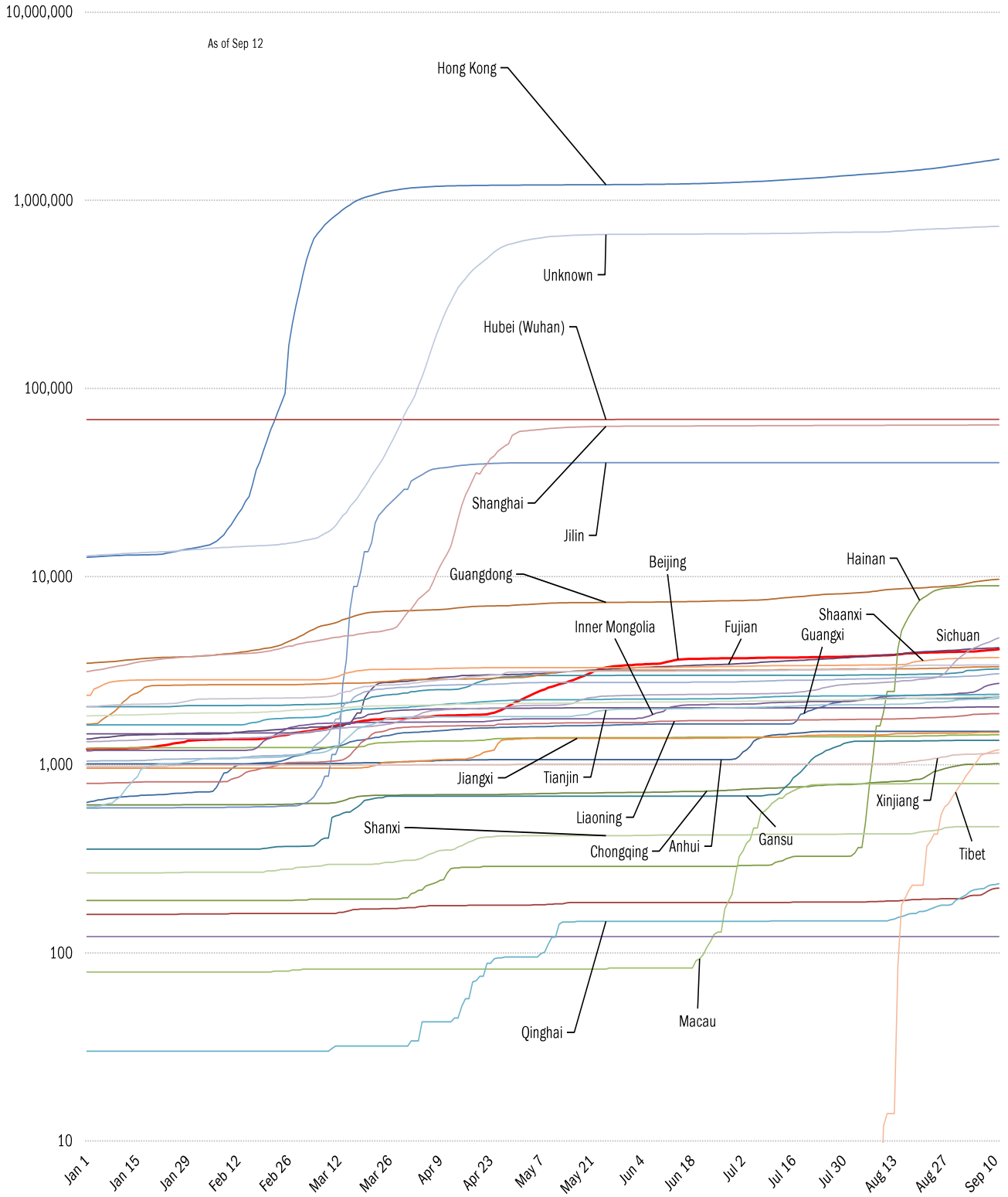
## The course of case growth versus COVID



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"*

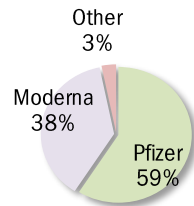


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	626,104,628		+0.099 million		US	67.6%	79.3%	
of which boosters	111,089,927		+0.022 million		UK	75.4%	80.0%	
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>	France	78.7%	80.9%
Total population	271,287,274	81%	230,903,498	69%	+0.037 million	Spain	85.6%	87.0%
Age 12 to 17	18,165,772	72%	15,521,542	61%	+0.003 million	Germany	76.1%	77.7%
Age 18 to 64	181,000,884	89%	153,748,856	76%	+0.010 million	Italy	81.0%	85.8%
Age 65 and over	59,742,433	100%	52,263,684	95%	+0.002 million	Australia	84.0%	86.5%
						Israel	66.2%	72.3%
						Canada	82.7%	86.8%
						Japan	82.5%	83.6%
						Africa	22.2%	28.1%
						India	67.1%	72.8%
						Brazil	80.2%	87.1%
						China	89.1%	91.4%

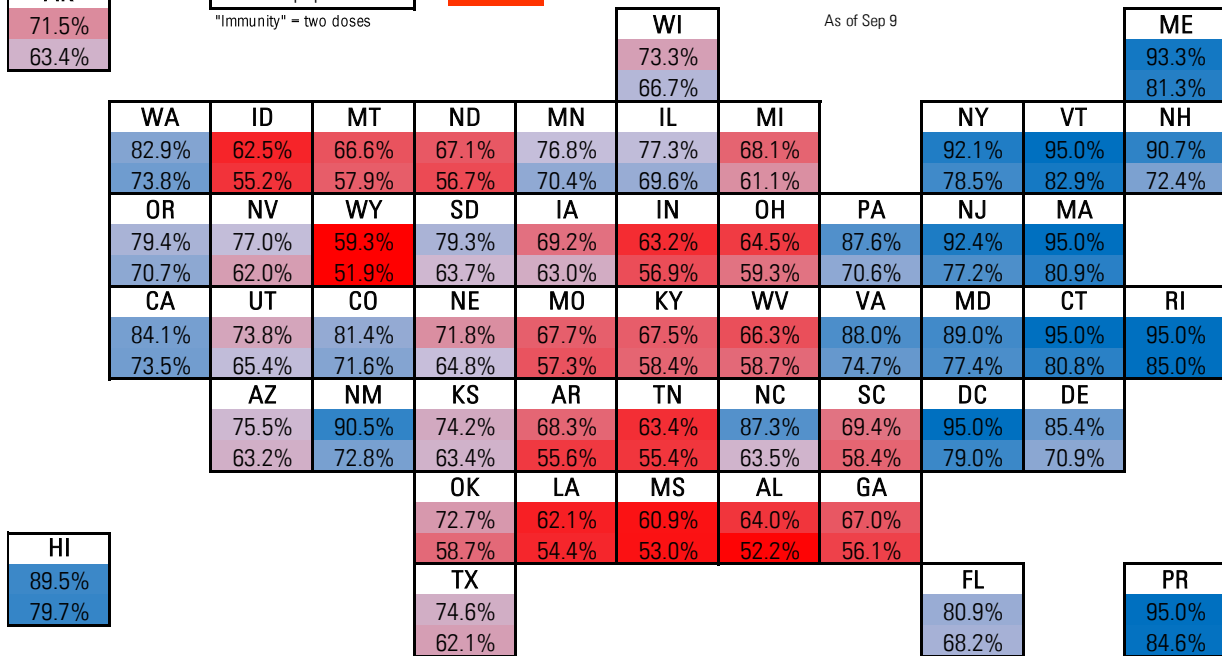


<b>AK</b>
71.5%
63.4%

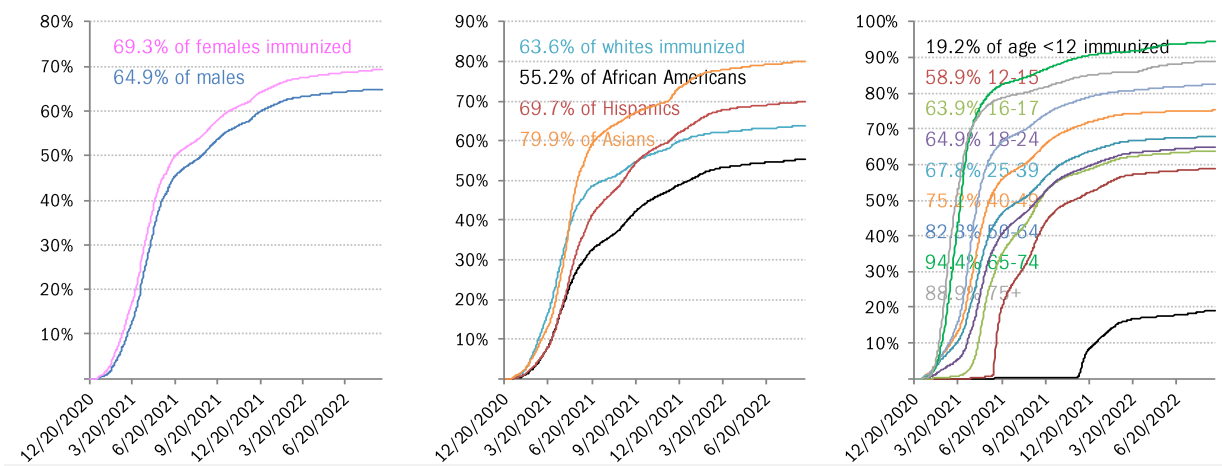
State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

"Immunity" = two doses

Global data differs due to sources, timing



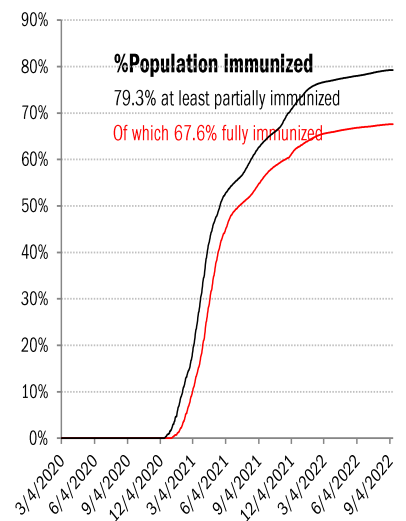
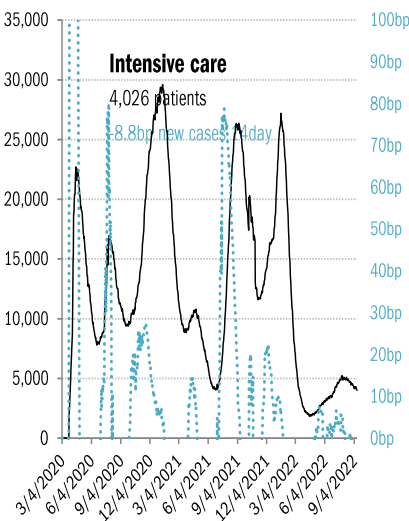
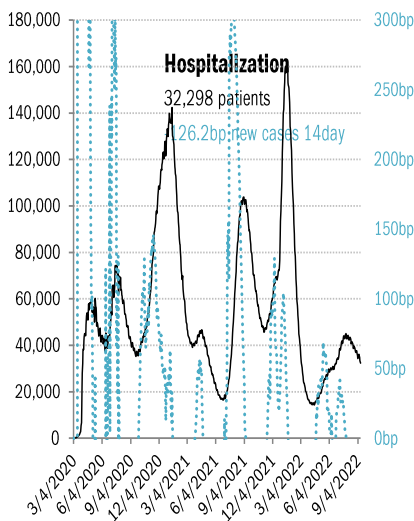
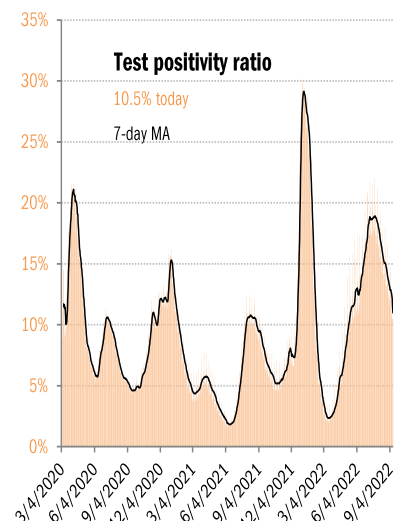
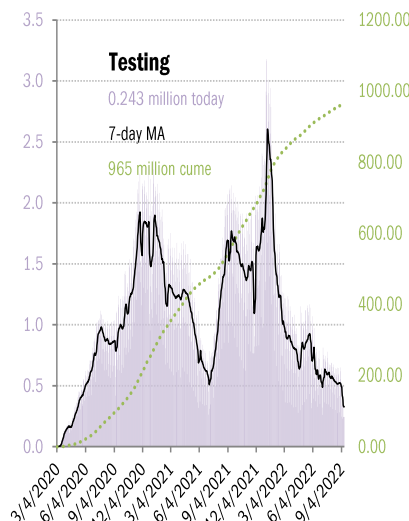
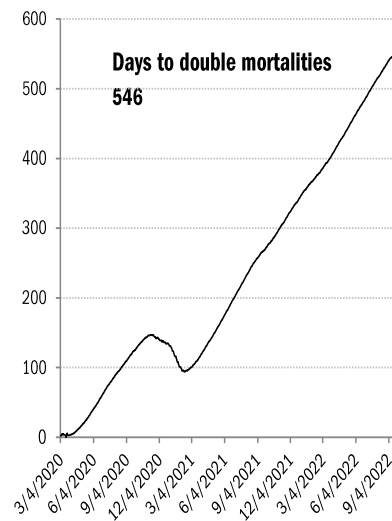
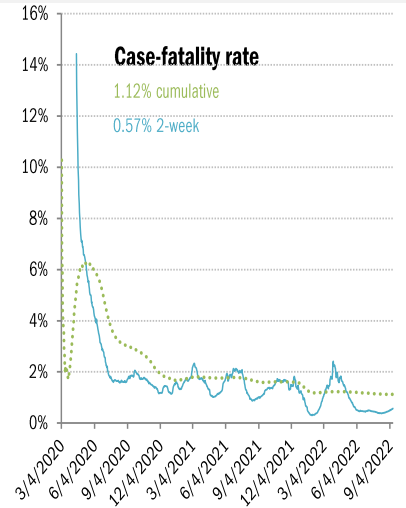
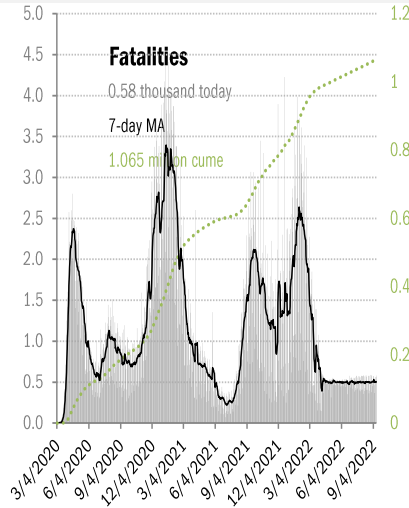
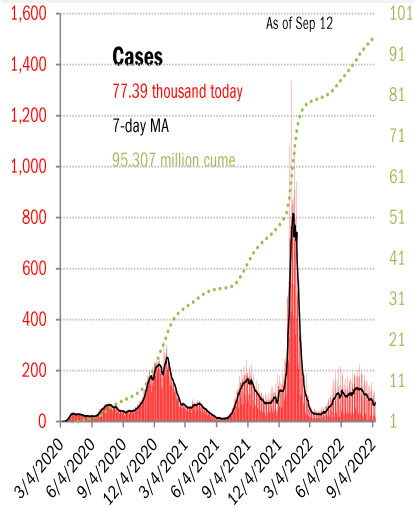
## The demographics of US vaccination



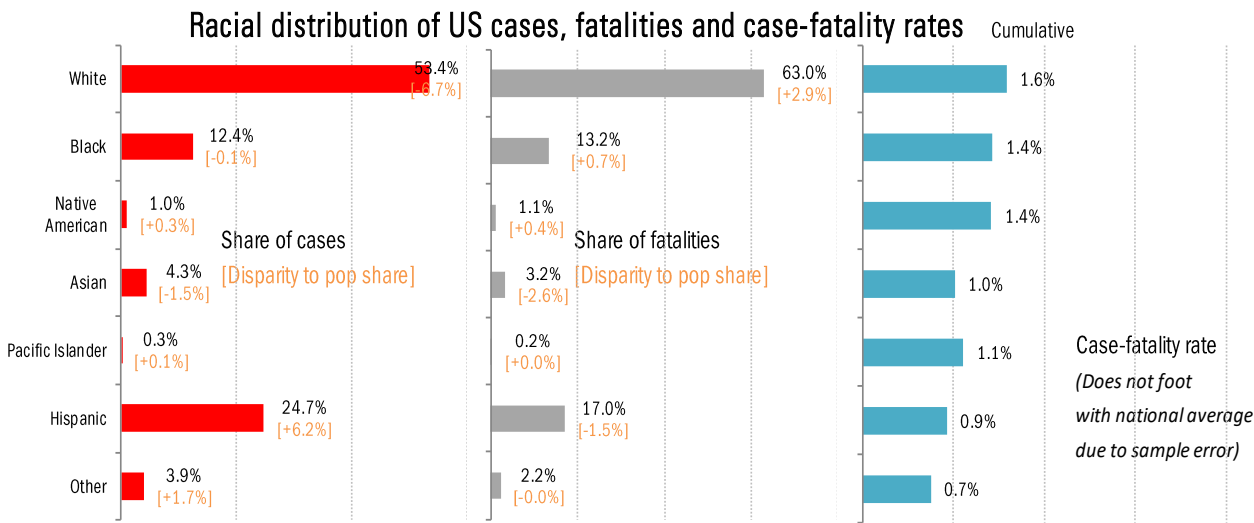
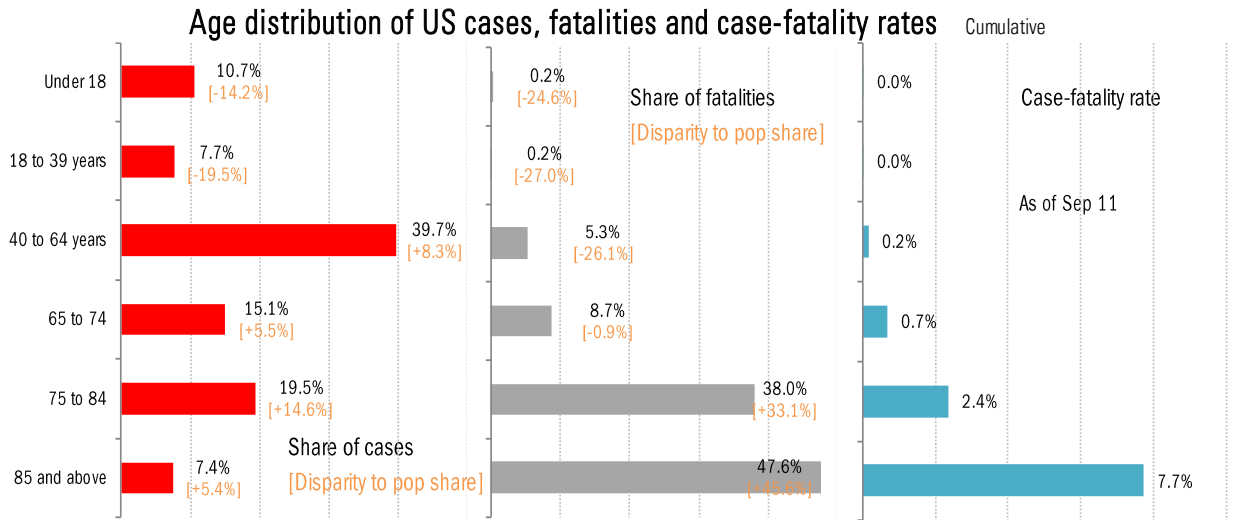
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

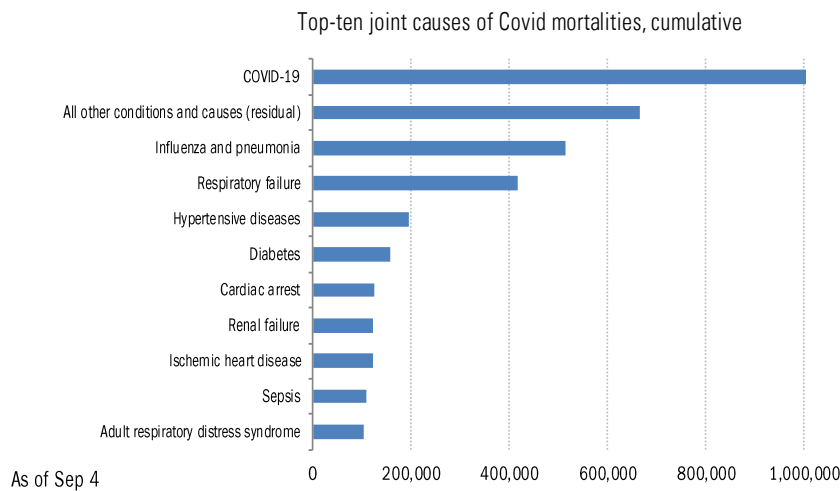
National and state-by-state data do not line up because of different sources



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

[COVID-19 Vaccine Boosters for Young Adults: A Risk-Benefit Assessment and Five Ethical Arguments against Mandates at Universities](#)

Kevin Bardosh et al.  
*SSRN*  
September 12, 2022

[Scientists from Harvard & Johns Hopkins Found Covid-19 Vaccines 98 Times Worse Than the Virus](#)

Steve Kirsch  
*Steve Kirsch's Newsletter*  
September 12, 2022

[The FDA and an ALS Treatment](#)

*Wall Street Journal*  
September 12, 2022

[One of Long COVID's Worst Symptoms Is Also Its Most Misunderstood](#)

Ed Yong  
*The Atlantic*  
September 12, 2022

## Meme of the day

# CDC Warns Of New 'Stealth' COVID Variant Where You Test Negative And Get No Symptoms

HEALTH · Sep 5, 2022 · BabylonBee.com

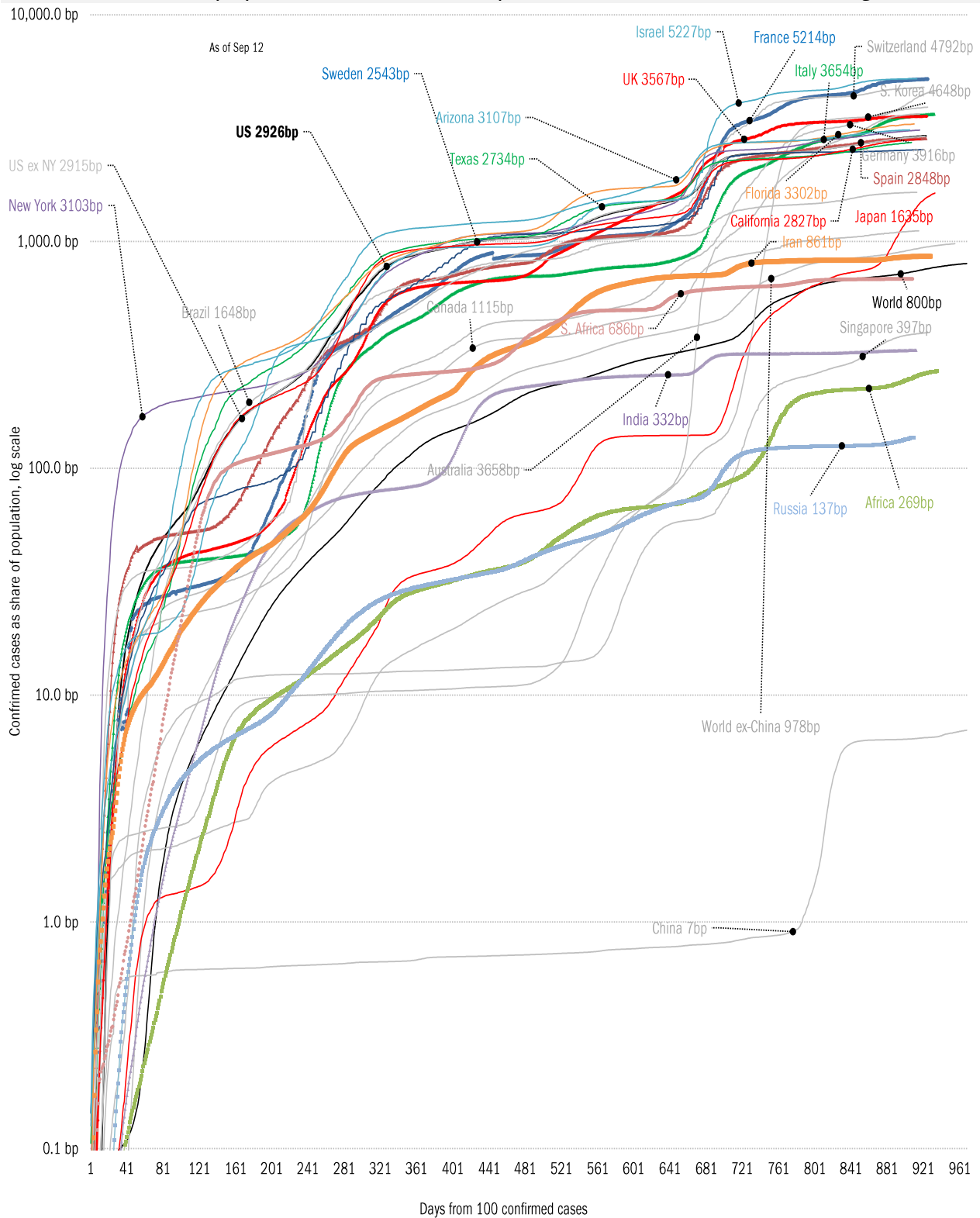


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



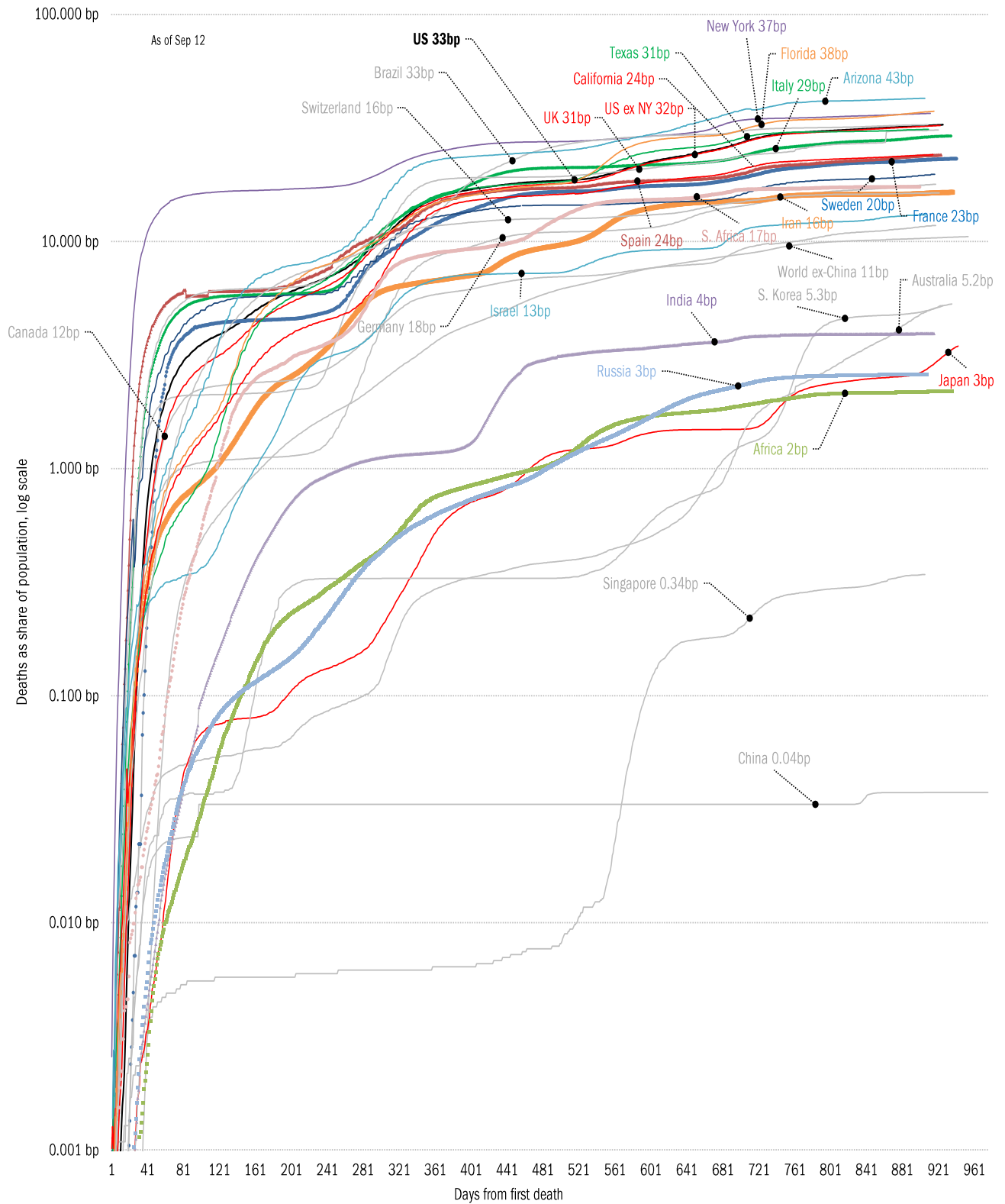
# The global coronavirus case accelerometer... tracking the world's infection curves

*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

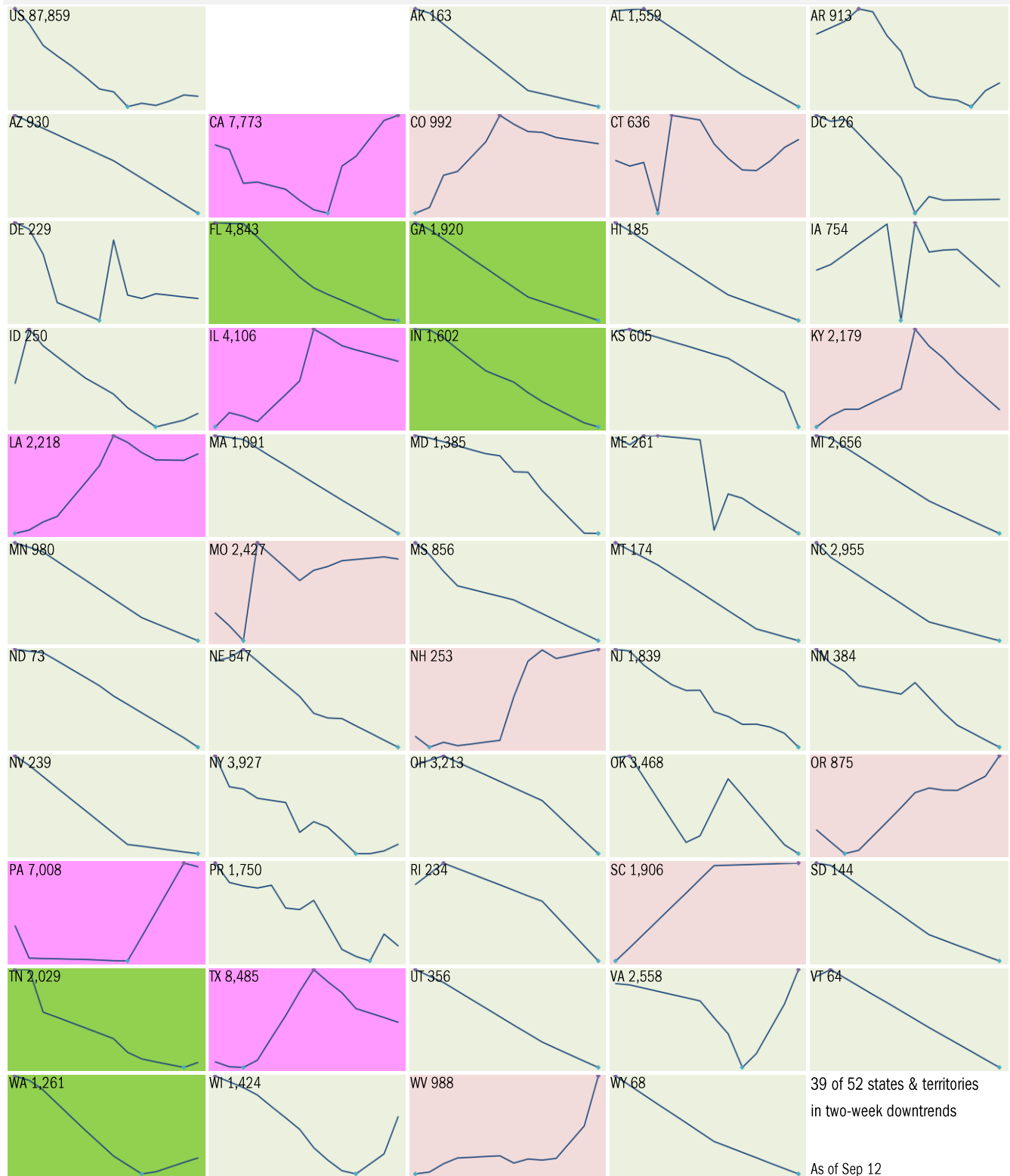


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

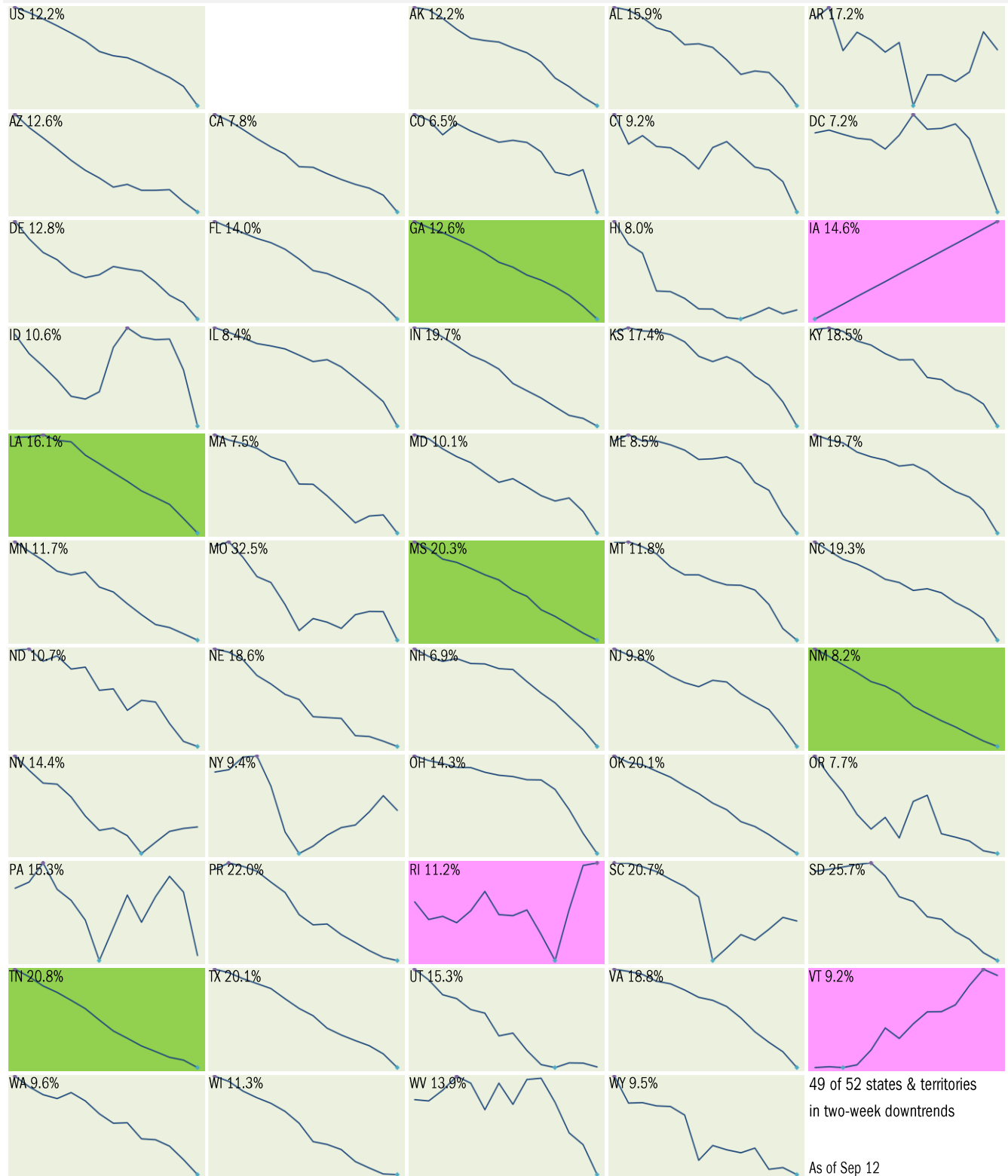


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

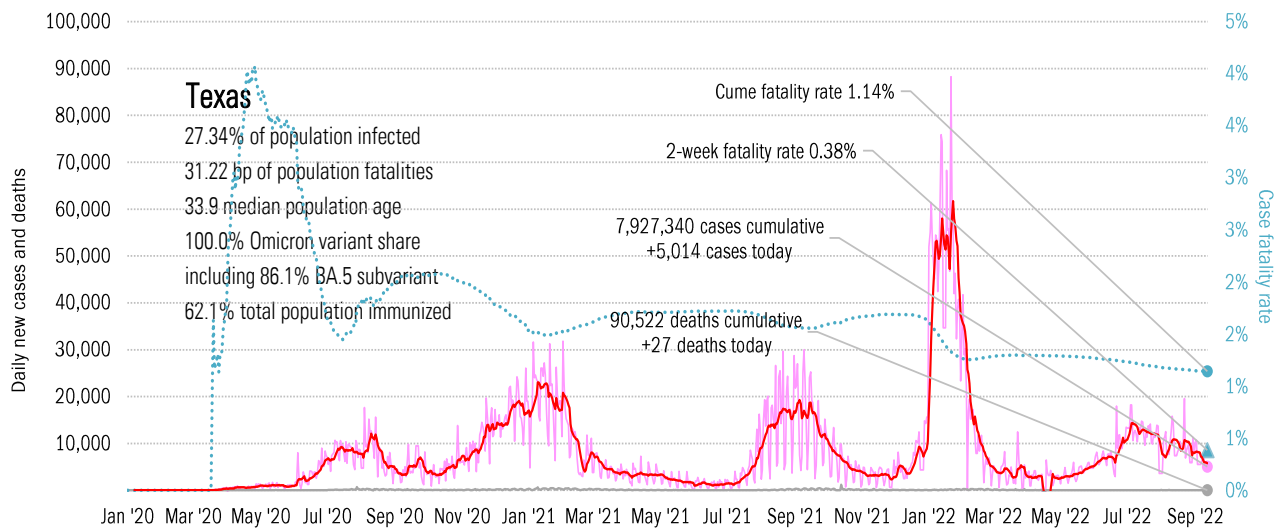
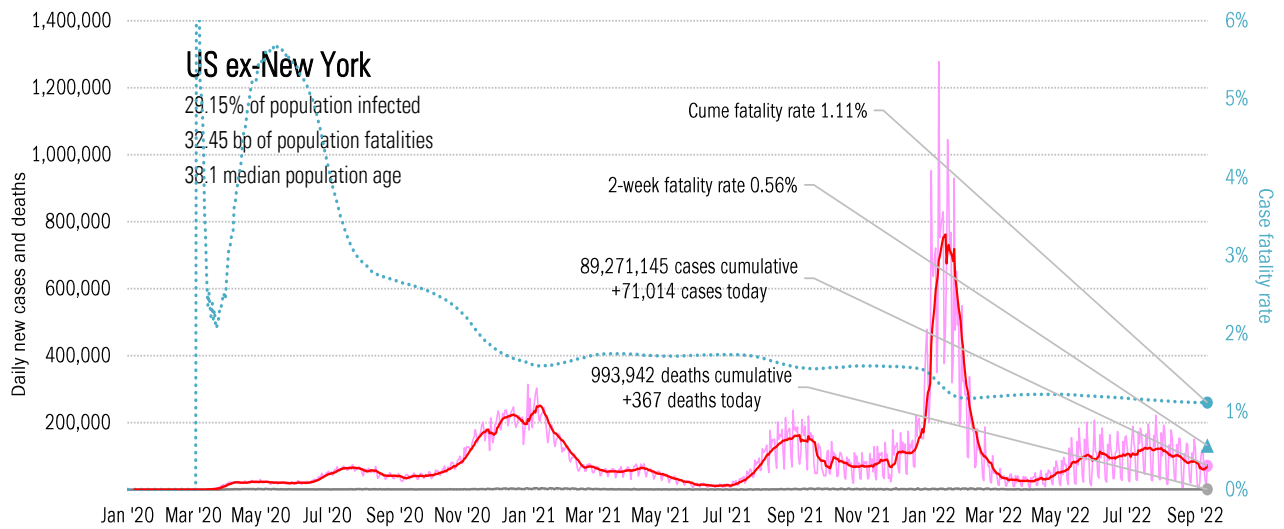
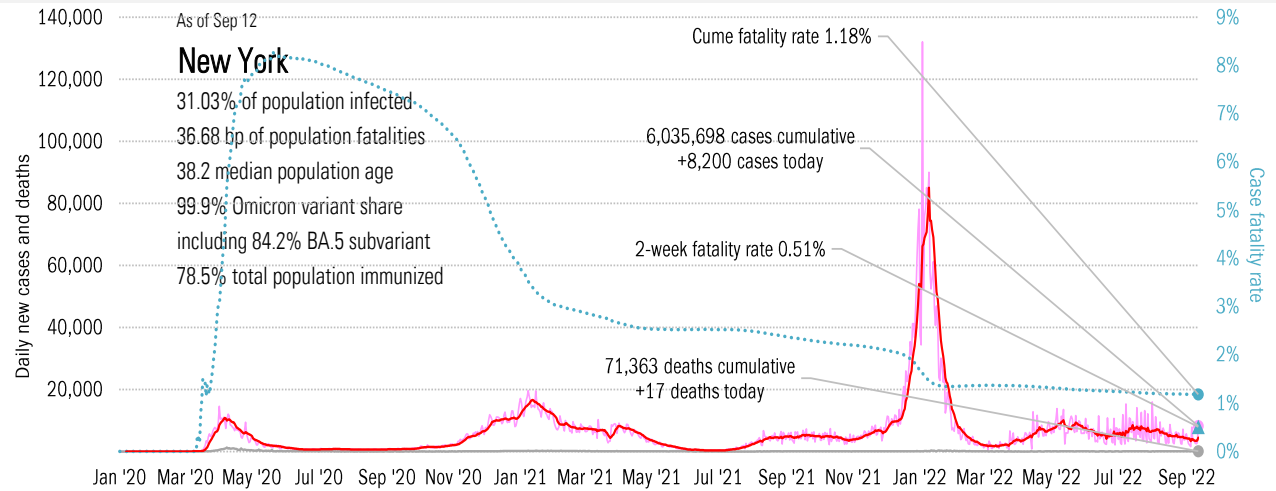
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

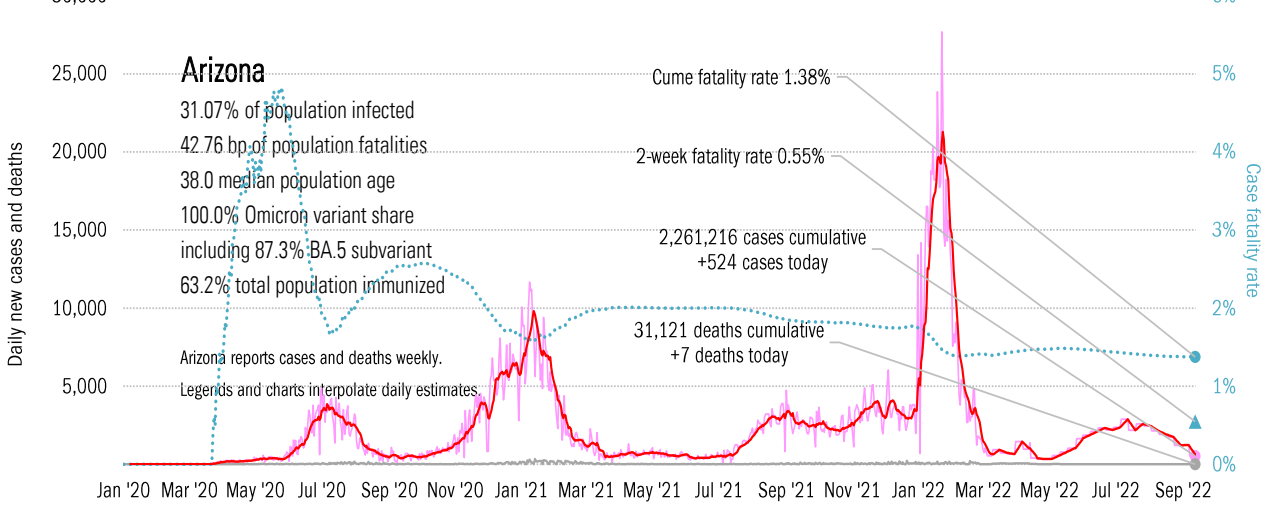
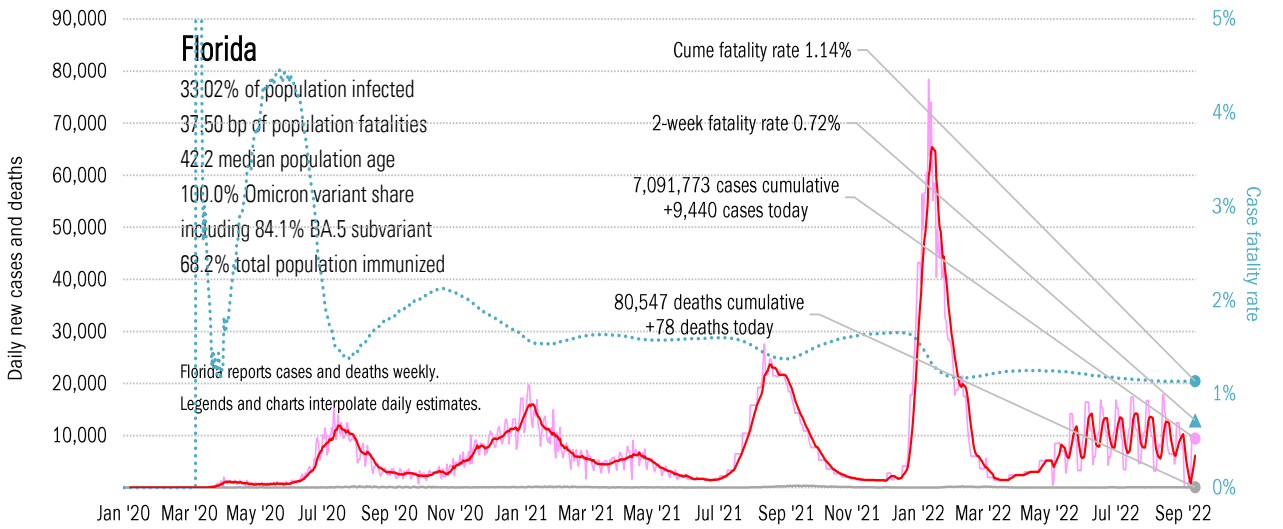
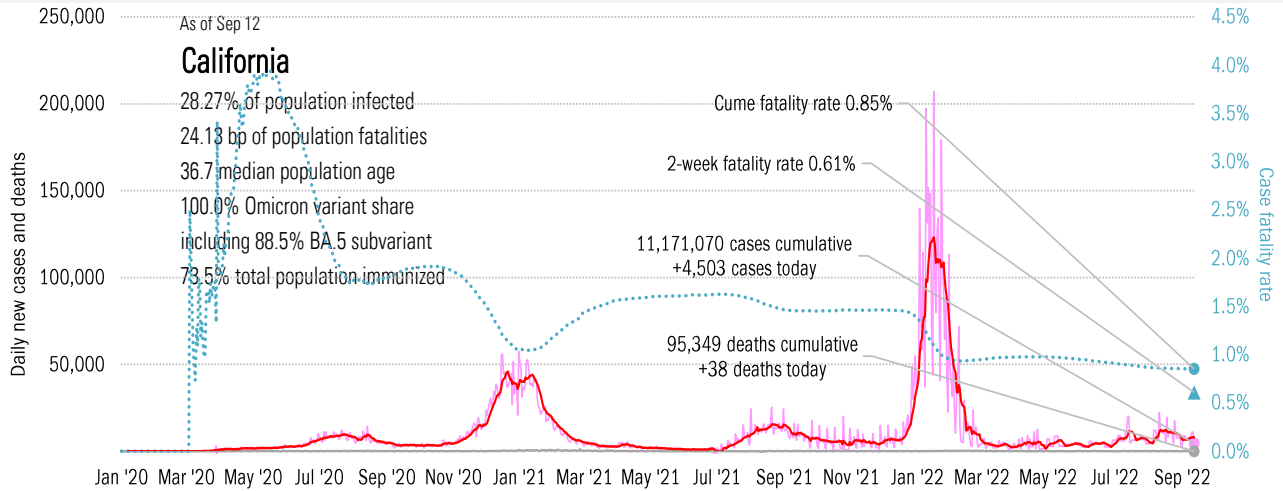
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

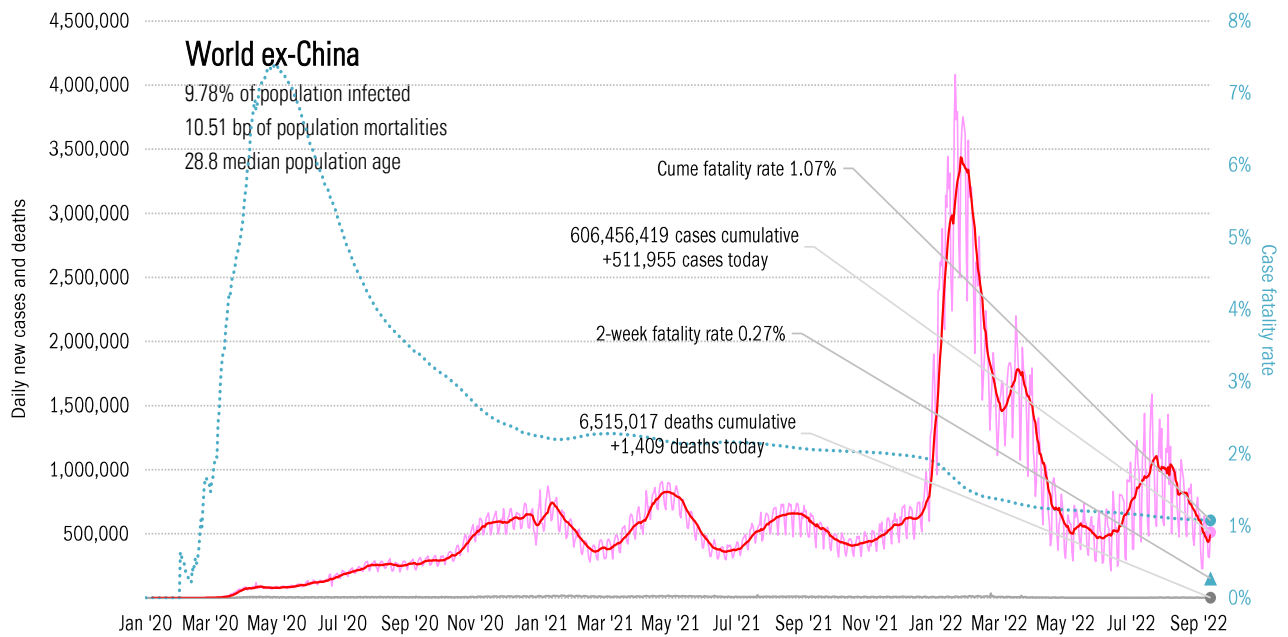
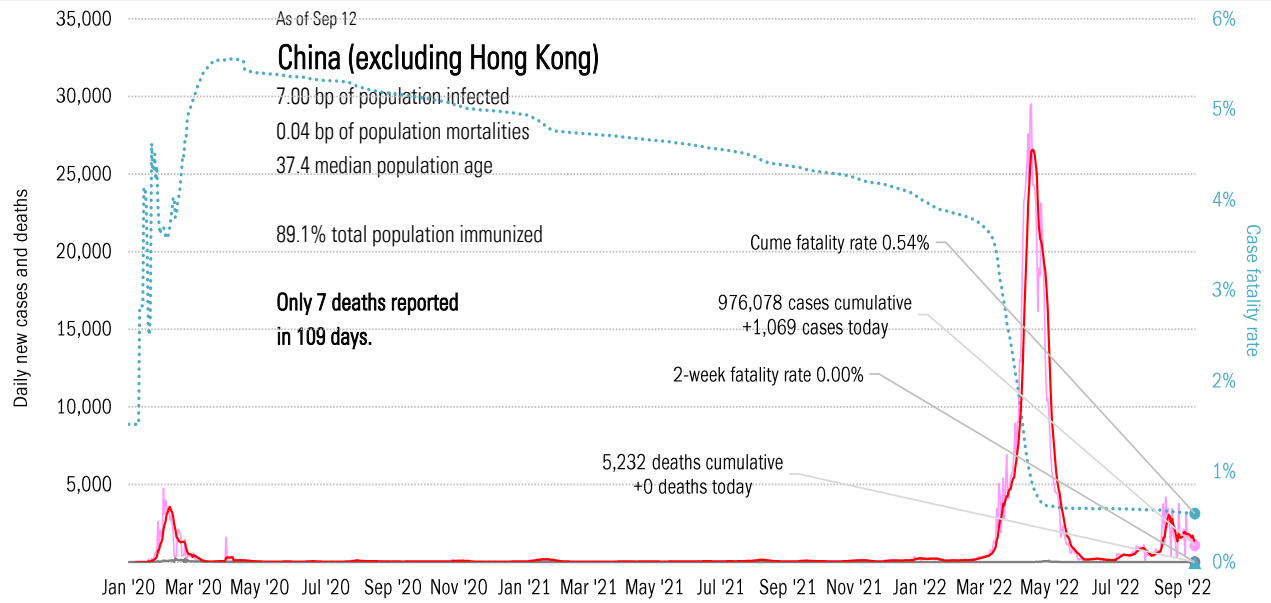
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

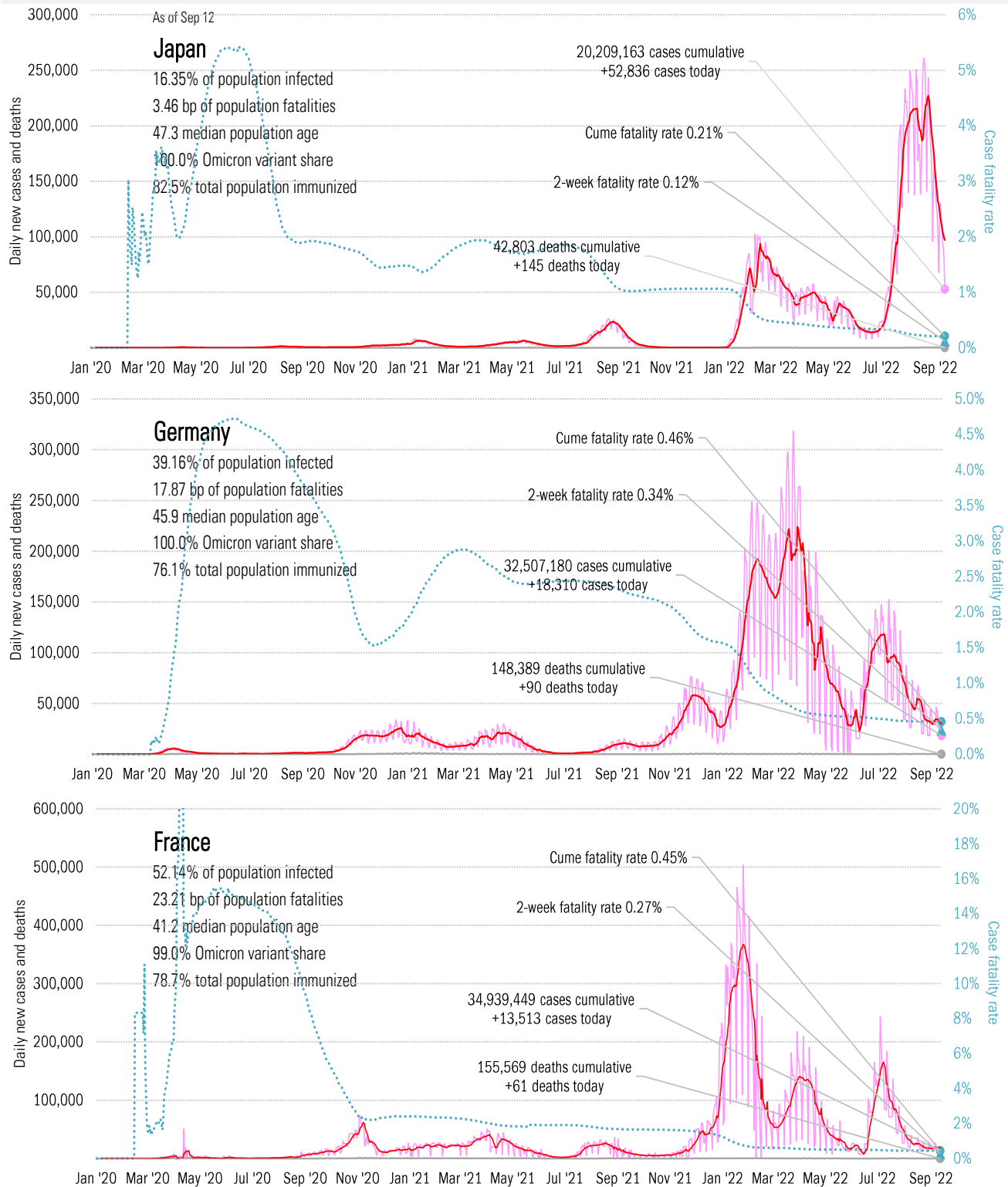


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

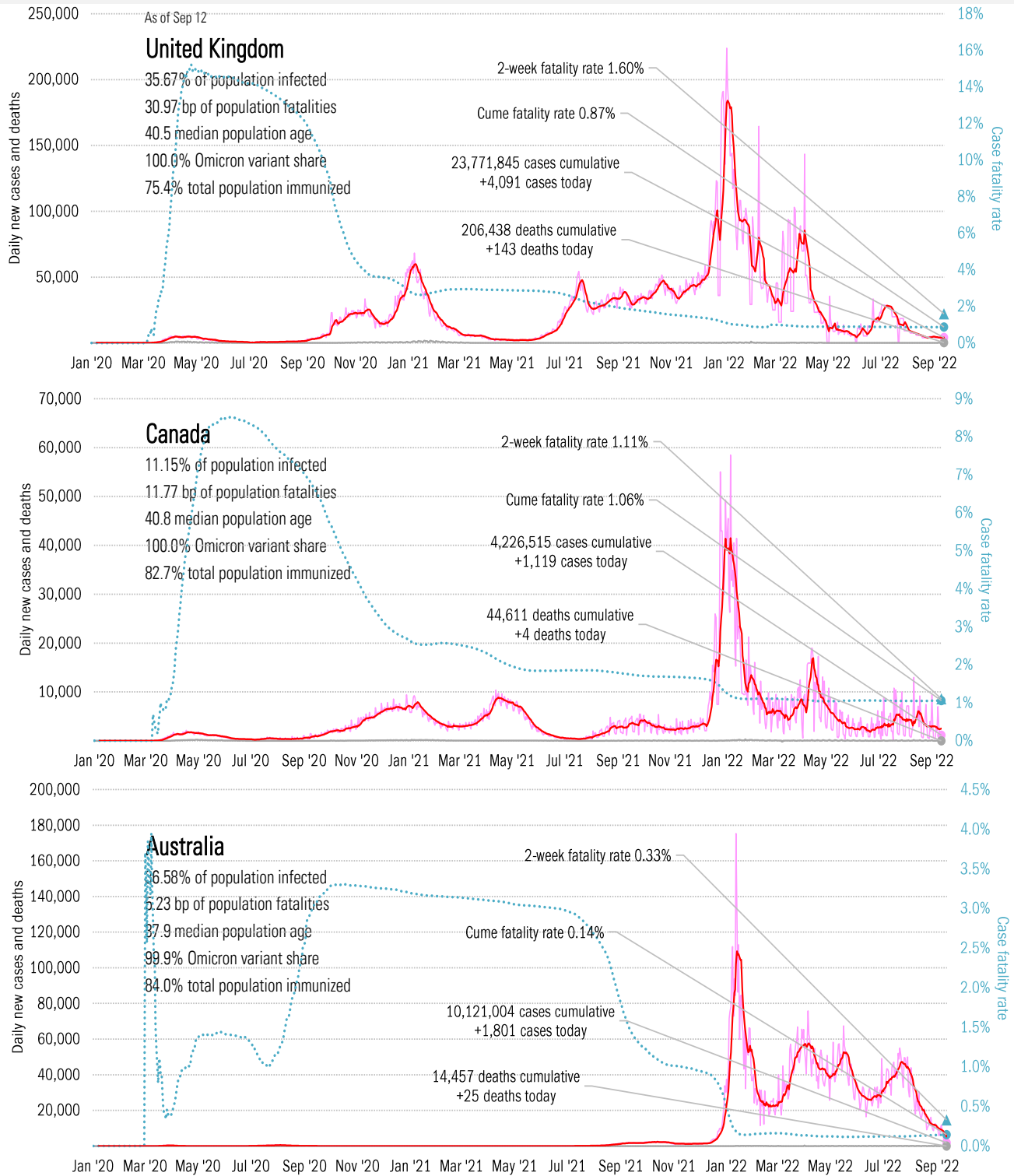
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

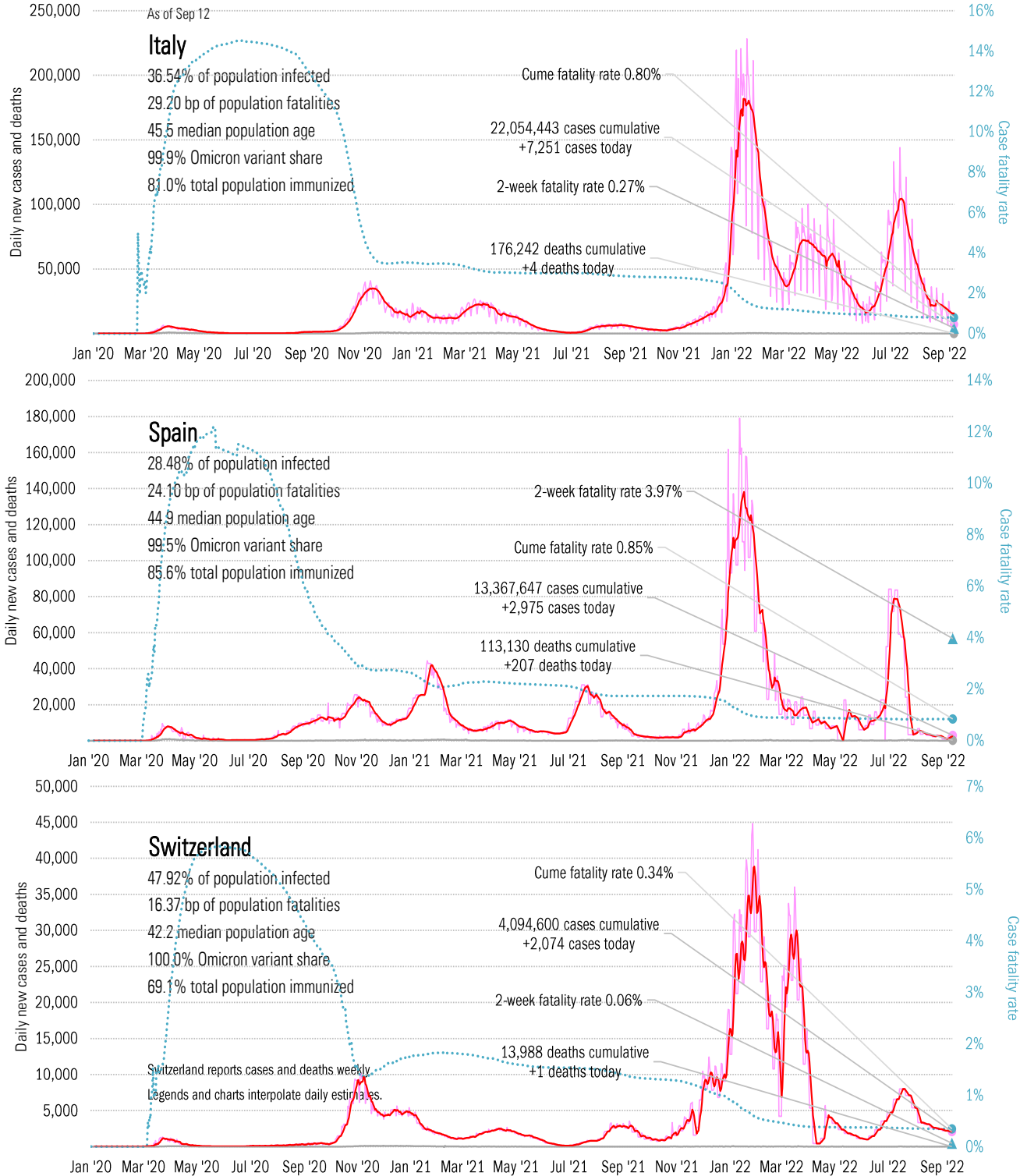
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

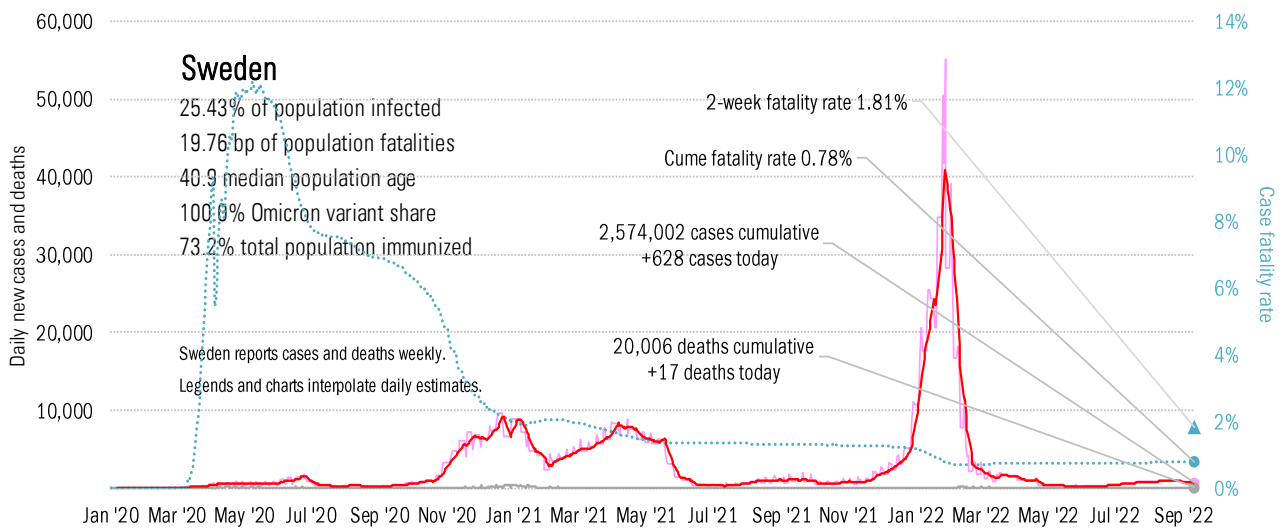
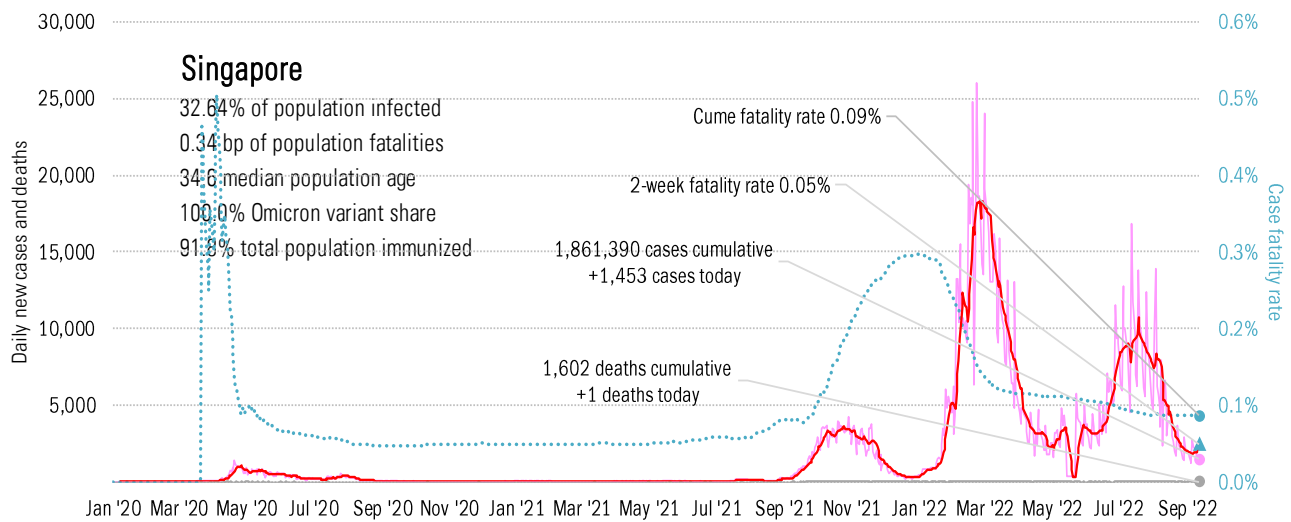
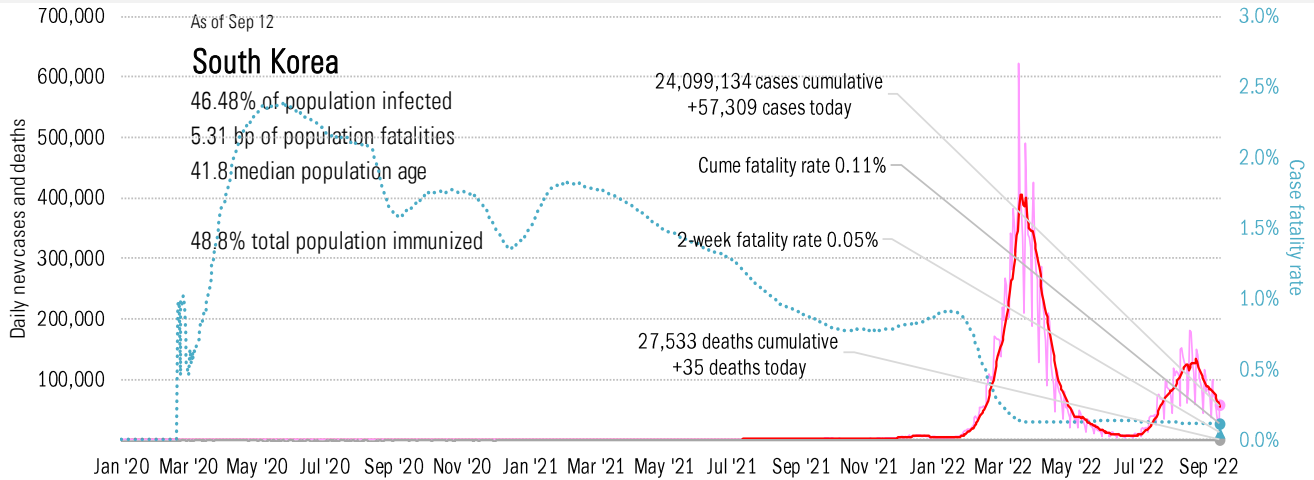
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

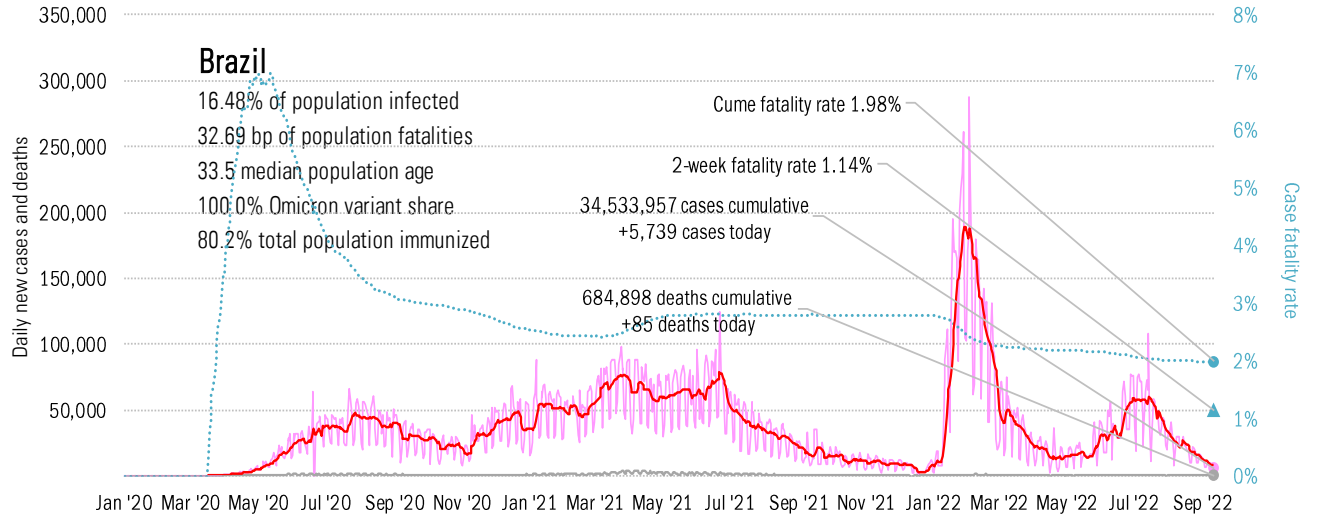
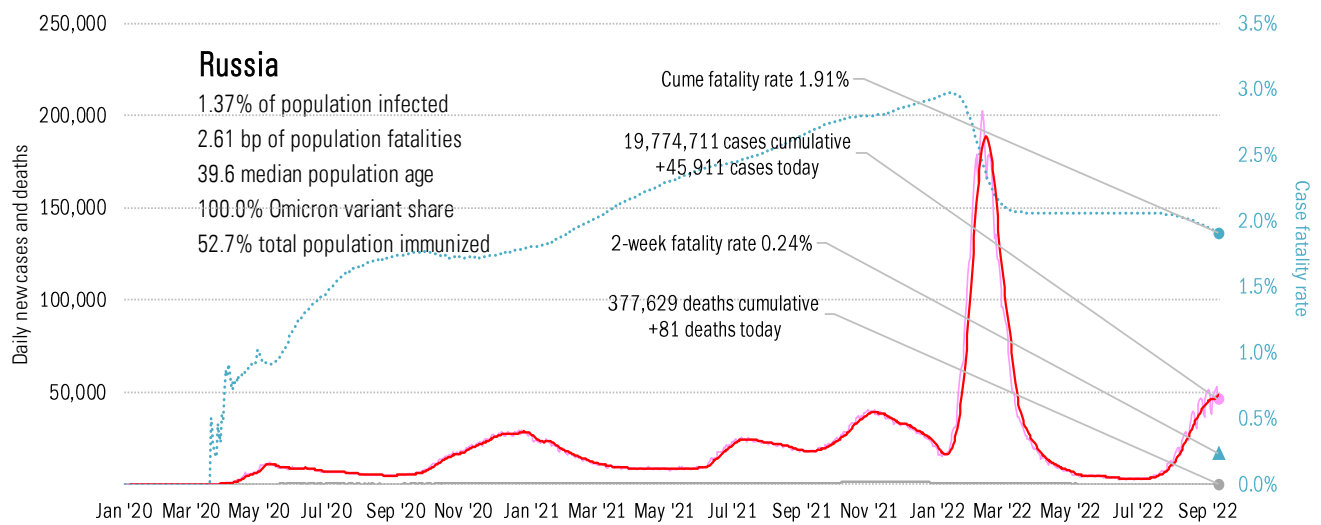
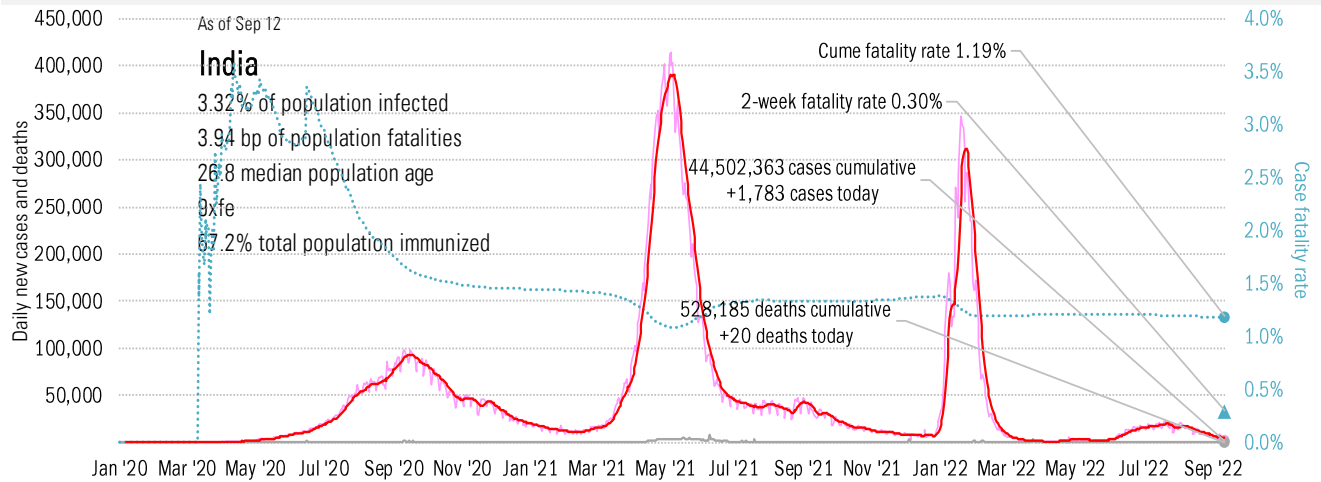
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

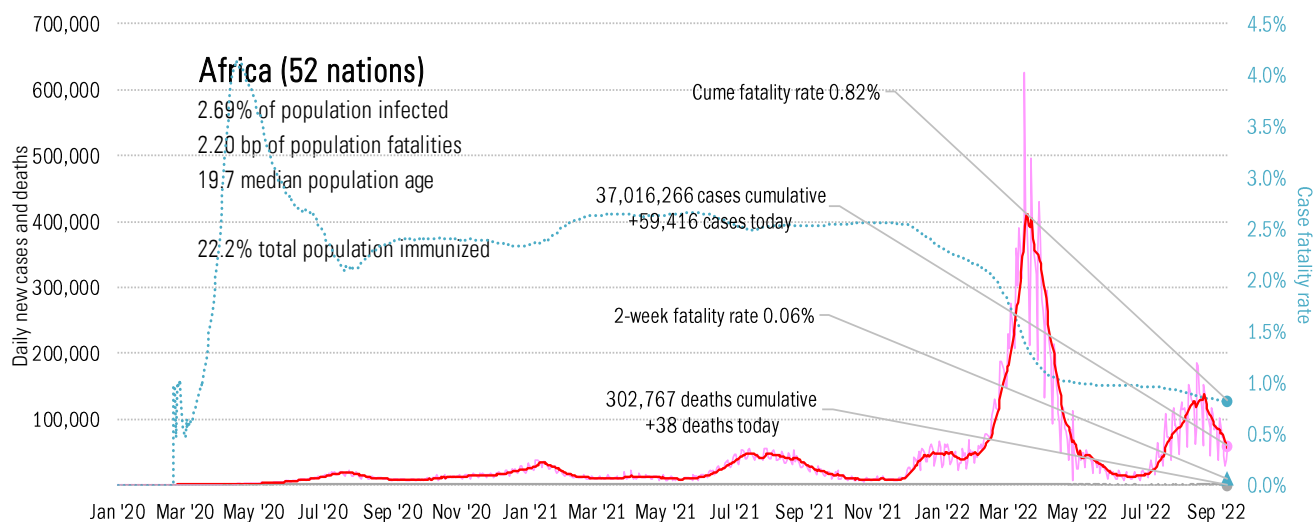
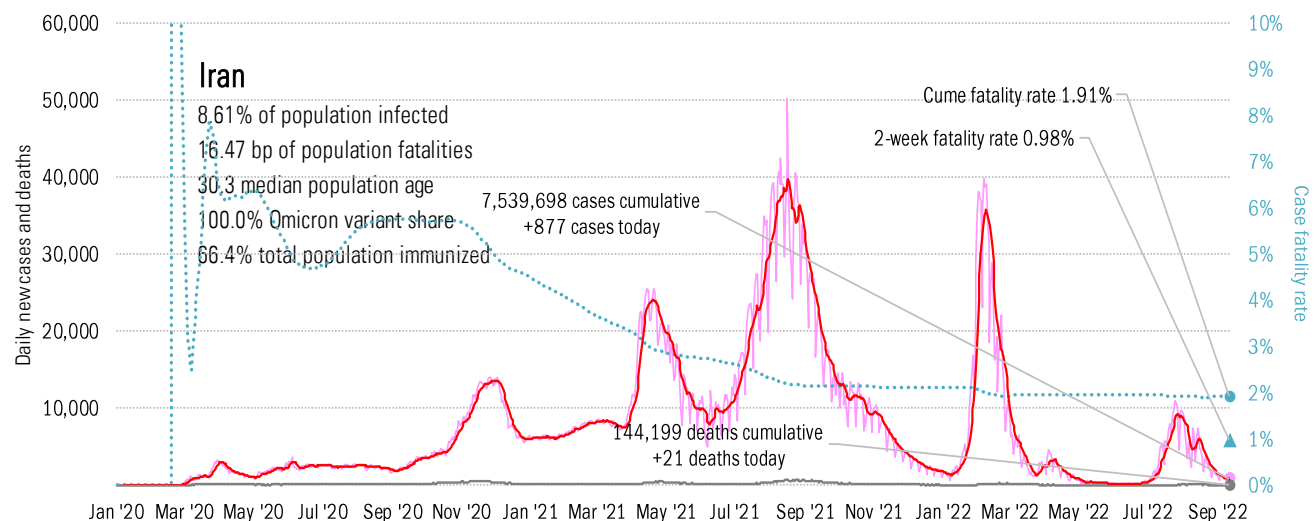
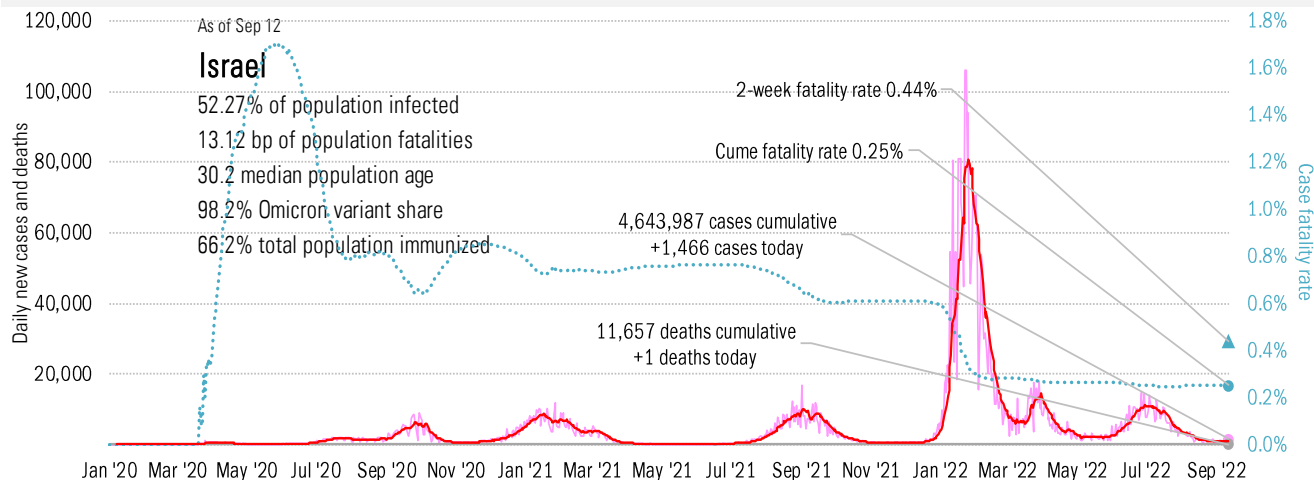
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

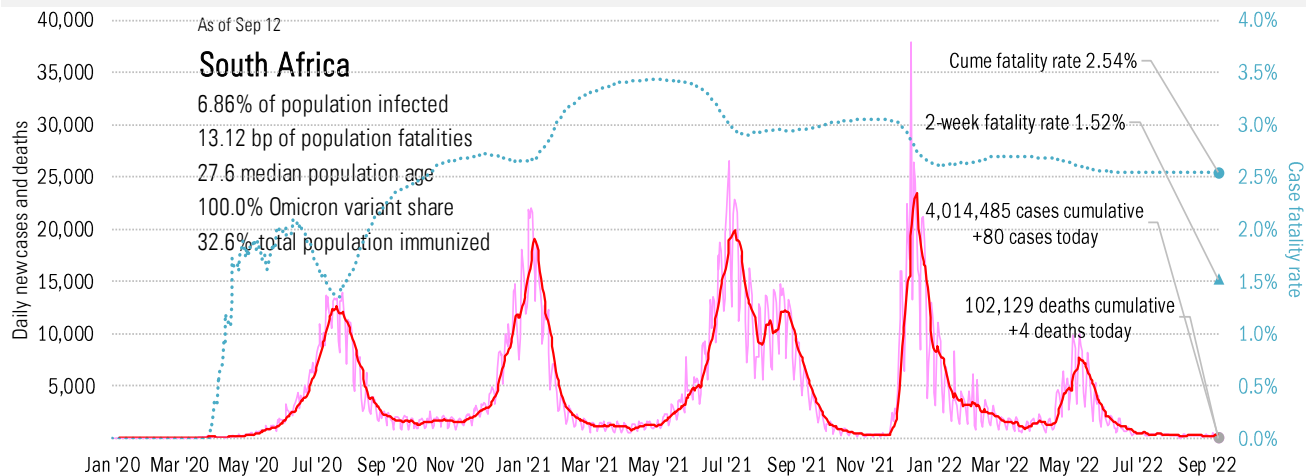
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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