

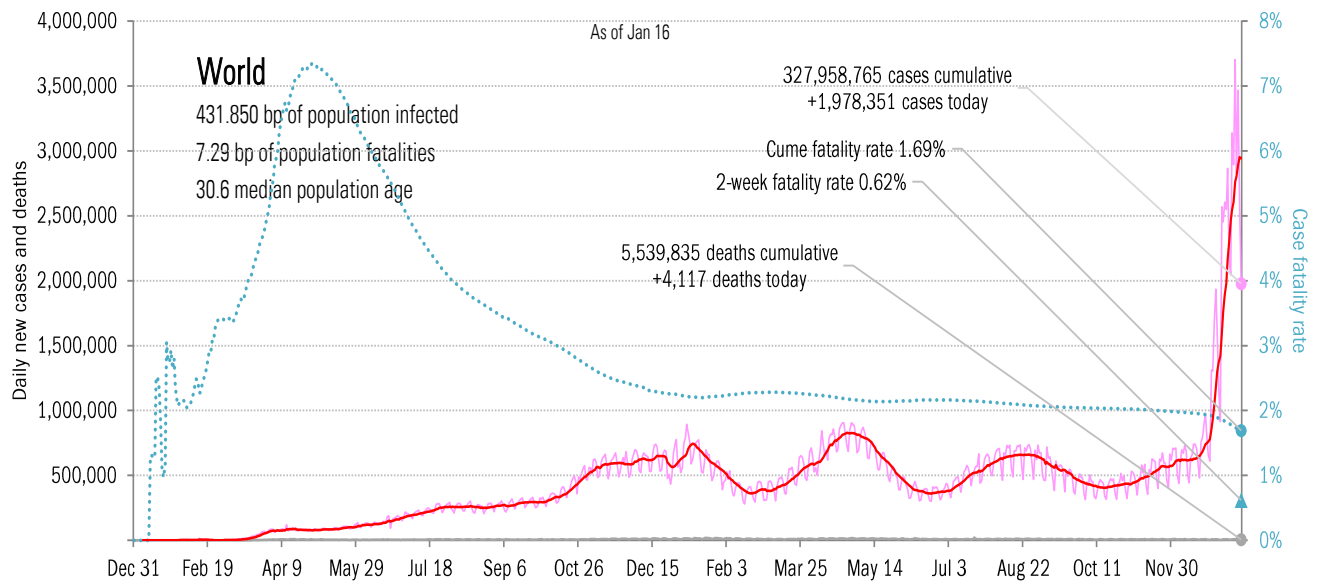
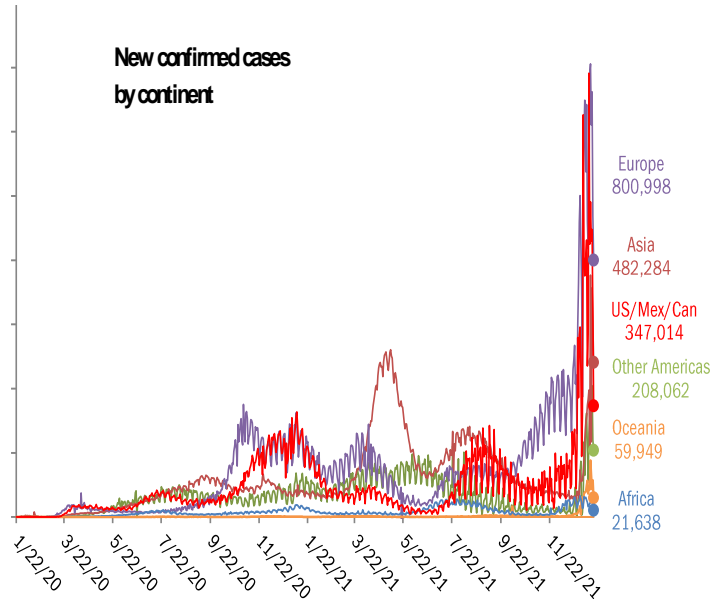
## Data Insights: Covid-2019 Monitor

Monday, January 17, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	312,956	Russia	672
France	278,129	United States	519
India	258,089	India	385
Italy	157,465	Italy	248
United Kingdom	70,363	Colombia	136
Peru	65,992	Turkey	136
Argentina	65,241	Vietnam	129
Australia	59,891	Peru	111
Turkey	54,100	Ukraine	102
Philippines	37,017	France	98
<b>1,359,243</b>		<b>2,536</b>	
World	1,978,351	World	4,117
Top ten	69%	Top ten	62%



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

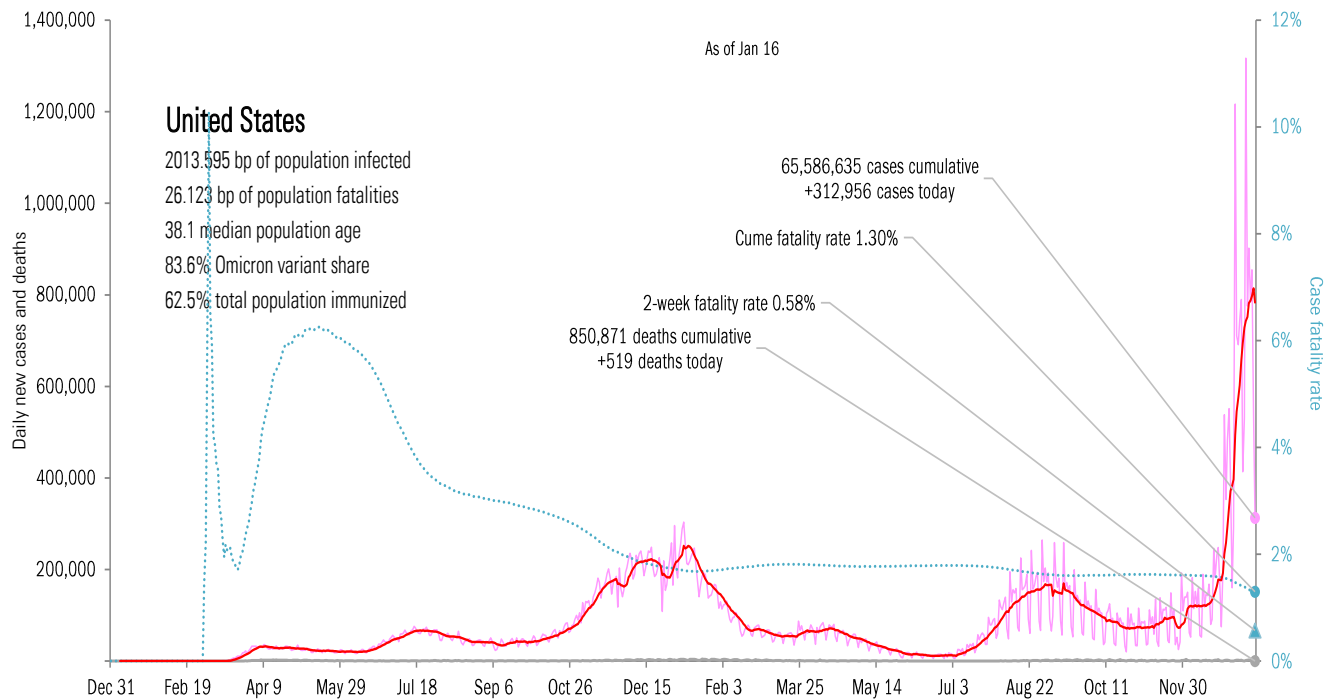
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use		
FL	58,406		TX	134		CA	464		CA	6,924,718		CA	77,774		TX	430,153		RI	87%		RI	97%
CA	53,069		AZ	103		TX	369		TX	5,500,276		TX	77,218		FL	366,291		GA	87%		AL	93%
AL	51,856		AL	93		KY	175		FL	4,928,606		FL	62,770		CA	362,984		MA	86%		NM	92%
NY	46,858		TN	69		GA	146		NY	4,507,714		NY	61,812		NY	218,287		MD	86%		TX	92%
PA	33,266		NY	66		AL	135		IL	2,589,640		PA	38,619		GA	183,372		MN	85%		KY	91%
CH	26,117		MD	58		OK	130		PA	2,458,722		GA	31,928		CH	170,631		PA	84%		GA	91%
NJ	15,445		CA	51		NC	124		CH	2,384,107		IL	31,532		PA	157,008		WA	84%		NV	90%
MD	7,870		FR	18		MA	117		GA	2,113,319		CH	30,922		IL	140,073		CA	83%		MS	89%
FR	5,469		NJ	10		PA	113		NC	2,011,302		MI	30,709		MI	126,163		CT	83%		MO	89%
AR	5,386		PA	8		NY	101		NJ	1,994,502		NJ	30,089		KY	125,273		MO	83%		NH	88%
303,742			610			1,874			35,412,906			473,373			2,280,235							
All states 312,956			519			2,999			All states 65,586,635			850,871			4,112,090			All states 70%		67%		
Top ten 97%			118%			62%			Top ten 54%			56%			55%			Median 78%		83%		

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-214,843	FL	-318	FL	-524	AK	+10 bp
CH	-24,182	PA	-177	TX	-148	AL	+10 bp
MO	-20,175	NJ	-110	VA	-124	CA	+10 bp
OK	-14,403	TX	-31	CA	-118	CO	+10 bp
IA	-14,109	DE	-28	CH	-84	CT	+10 bp



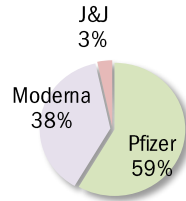
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial	
Doses	540,362,987	+1.316 million	US	62.5%	74.9%	
Boosters	80,810,349	+0.728 million	UK	70.2%	76.3%	
<b>One dose</b>		<b>new immune today</b>	France	75.0%	79.1%	
Total population	254,738,005	+0.206 million	Spain	81.6%	86.3%	
Age 12 to 17	15,582,204	+0.019 million	Germany	72.0%	74.3%	
Age 18 to 64	172,089,471	+0.106 million	Italy	75.1%	81.8%	
Age 65 and over	58,127,571	+0.015 million	Australia	77.6%	81.1%	
	100%	49,853,551	91%	Israel	64.7%	71.8%
			Canada	77.9%	84.2%	
			Japan	78.9%	80.3%	
			Africa	10.0%	15.3%	
			India	46.9%	65.2%	
			Brazil	68.0%	78.0%	
			China	84.5%	87.5%	

Because of the Martin Luther King Jr. Day holiday, the CDC did not update its vaccine database.

Every American >18 immunized in **365 days** by Jan 16, 2023  
 75.5% of population >18 immunized  
 23.0% previously tested positive  
**98.5%** vs 60% adult herd immunity



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

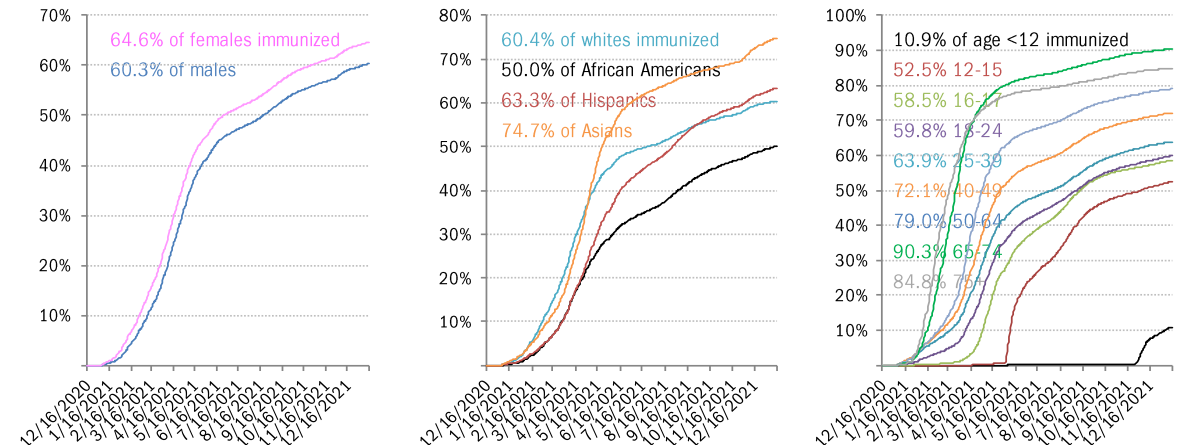
<b>AK</b>
65.9%
57.0%

As of Jan 16

<b>WI</b>	69.4%	<b>ME</b>	87.4%
	62.8%		76.8%
<b>WA</b>	76.8%	<b>ID</b>	52.8%
	68.8%		46.6%
<b>MT</b>	62.8%	<b>ND</b>	63.1%
	54.5%		53.3%
<b>MN</b>	72.5%	<b>IL</b>	73.9%
	66.3%		65.1%
<b>MI</b>	64.4%	<b>NY</b>	86.1%
	57.6%		73.0%
<b>OR</b>	75.0%	<b>VT</b>	90.8%
	67.2%		78.5%
<b>NV</b>	71.2%	<b>NH</b>	95.0%
	57.3%		68.0%
<b>WY</b>	56.8%	<b>MA</b>	92.9%
	48.2%		75.6%
<b>SD</b>	72.4%	<b>PA</b>	80.4%
	58.0%		64.9%
<b>IA</b>	65.8%	<b>NJ</b>	85.8%
	59.7%		71.6%
<b>IN</b>	58.9%	<b>OH</b>	61.5%
	52.6%		56.0%
<b>OH</b>	61.5%	<b>VA</b>	80.5%
	56.0%		68.9%
<b>PA</b>	80.4%	<b>MD</b>	82.1%
	64.9%		71.6%
<b>CA</b>	84.8%	<b>CT</b>	90.9%
	67.3%		75.7%
<b>UT</b>	68.4%	<b>RI</b>	91.8%
	59.7%		77.8%
<b>CO</b>	75.8%	<b>DE</b>	78.4%
	67.1%		65.1%
<b>NE</b>	67.4%	<b>DC</b>	90.9%
	60.6%		68.7%
<b>MO</b>	63.4%	<b>NC</b>	79.0%
	53.6%		53.9%
<b>KY</b>	63.5%	<b>SC</b>	64.1%
	54.9%		62.3%
<b>WV</b>	62.8%	<b>GA</b>	62.3%
	55.6%		51.8%
<b>VA</b>	80.5%	<b>AL</b>	59.6%
	68.9%		48.4%
<b>MD</b>	82.1%	<b>TX</b>	68.2%
	71.6%		57.8%
<b>CT</b>	90.9%	<b>FL</b>	75.8%
	75.7%		64.1%
<b>RI</b>	91.8%	<b>PR</b>	90.5%
	77.8%		77.9%

<b>HI</b>
83.9%
74.6%

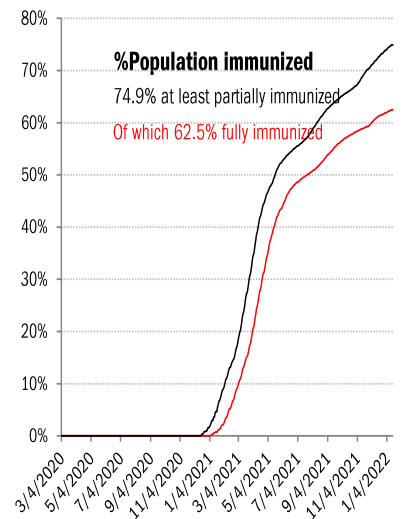
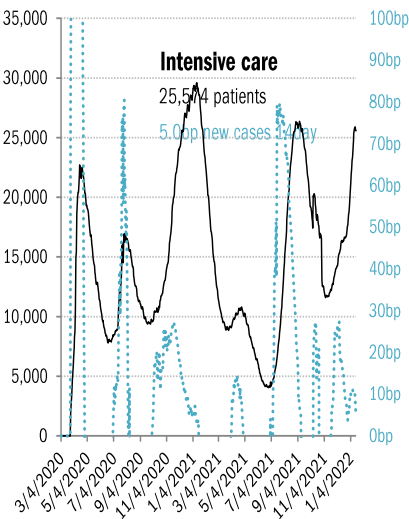
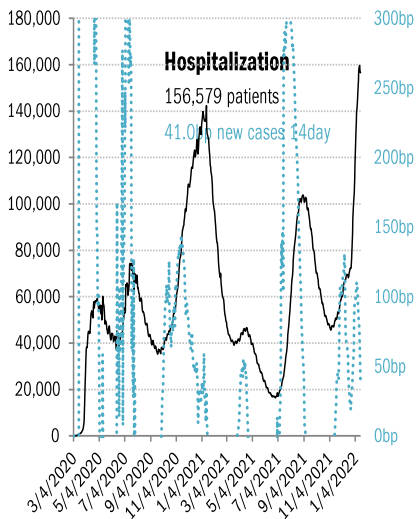
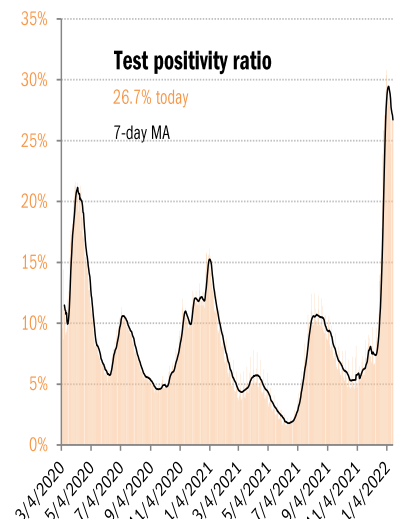
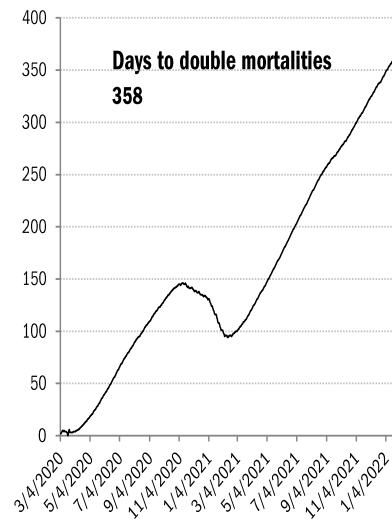
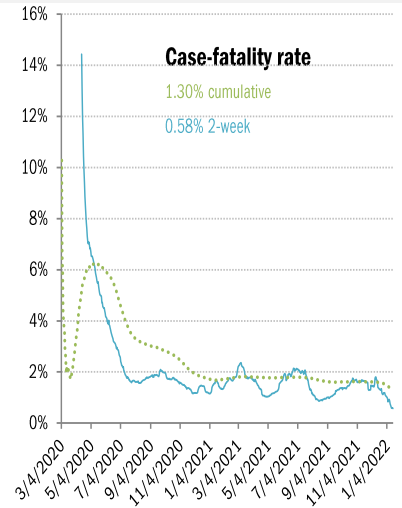
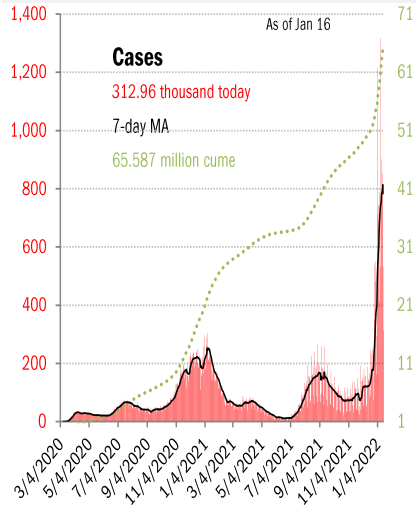
## The demographics of US vaccination



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

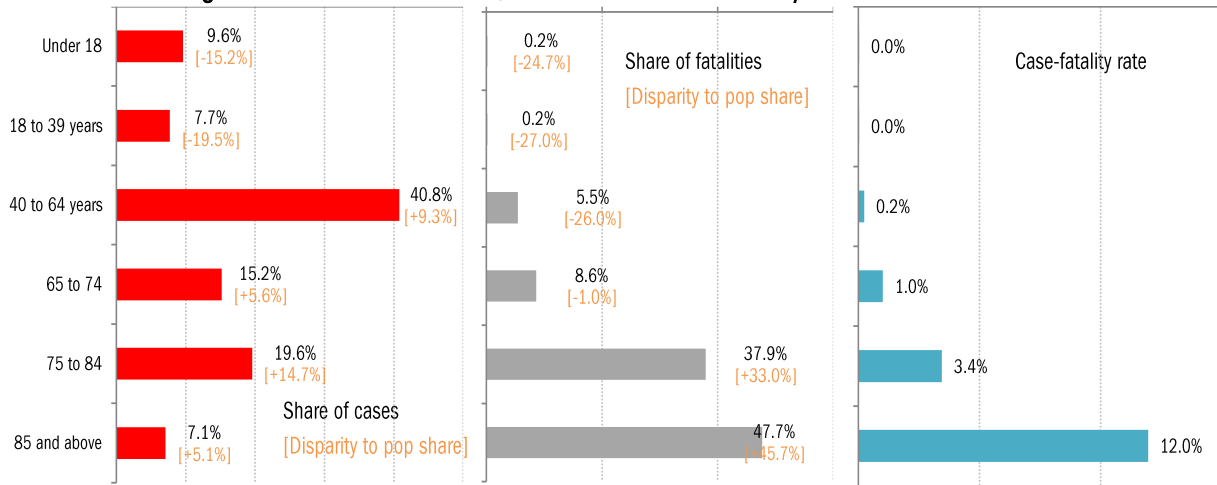
# US deep-dive

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

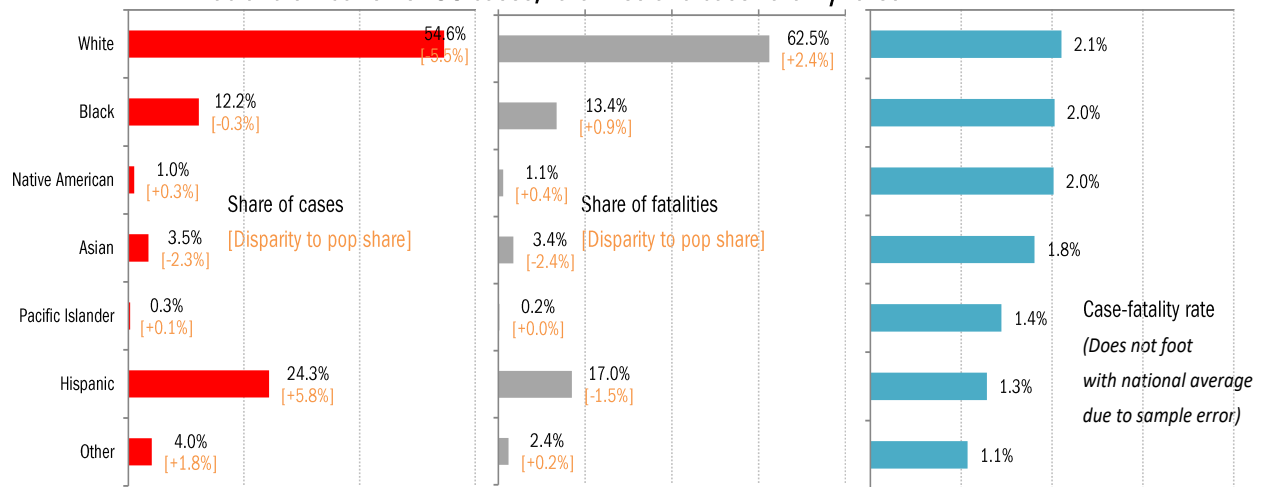


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

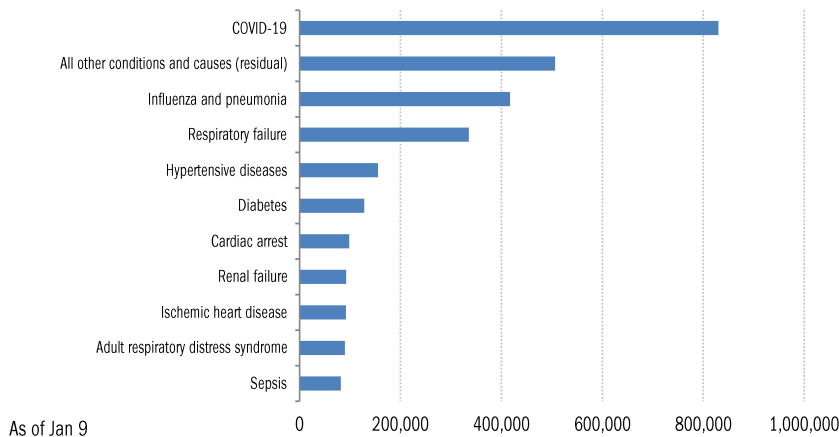


Racial distribution of US cases, fatalities and case-fatality rates



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

[Florida Is Living With Covid—and Freedom](#)

James Taranto  
*Wall Street Journal*  
January 14, 2022

[Supply Chain Woes Could Worsen as China Imposes New Covid Lockdowns](#)

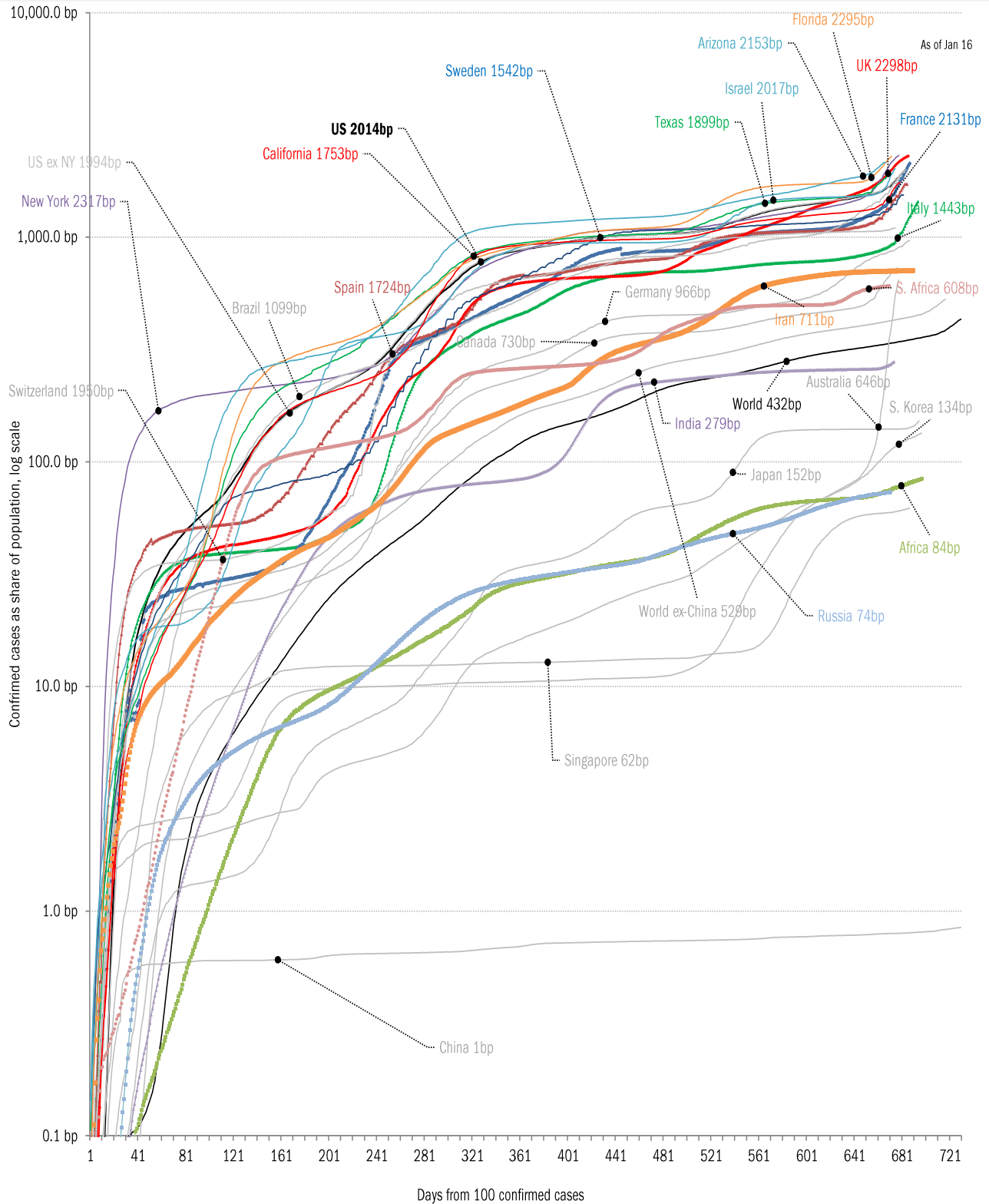
Ana Swanson and Keith Bradsher  
*New York Times*  
January 16, 2022

## Meme of the day



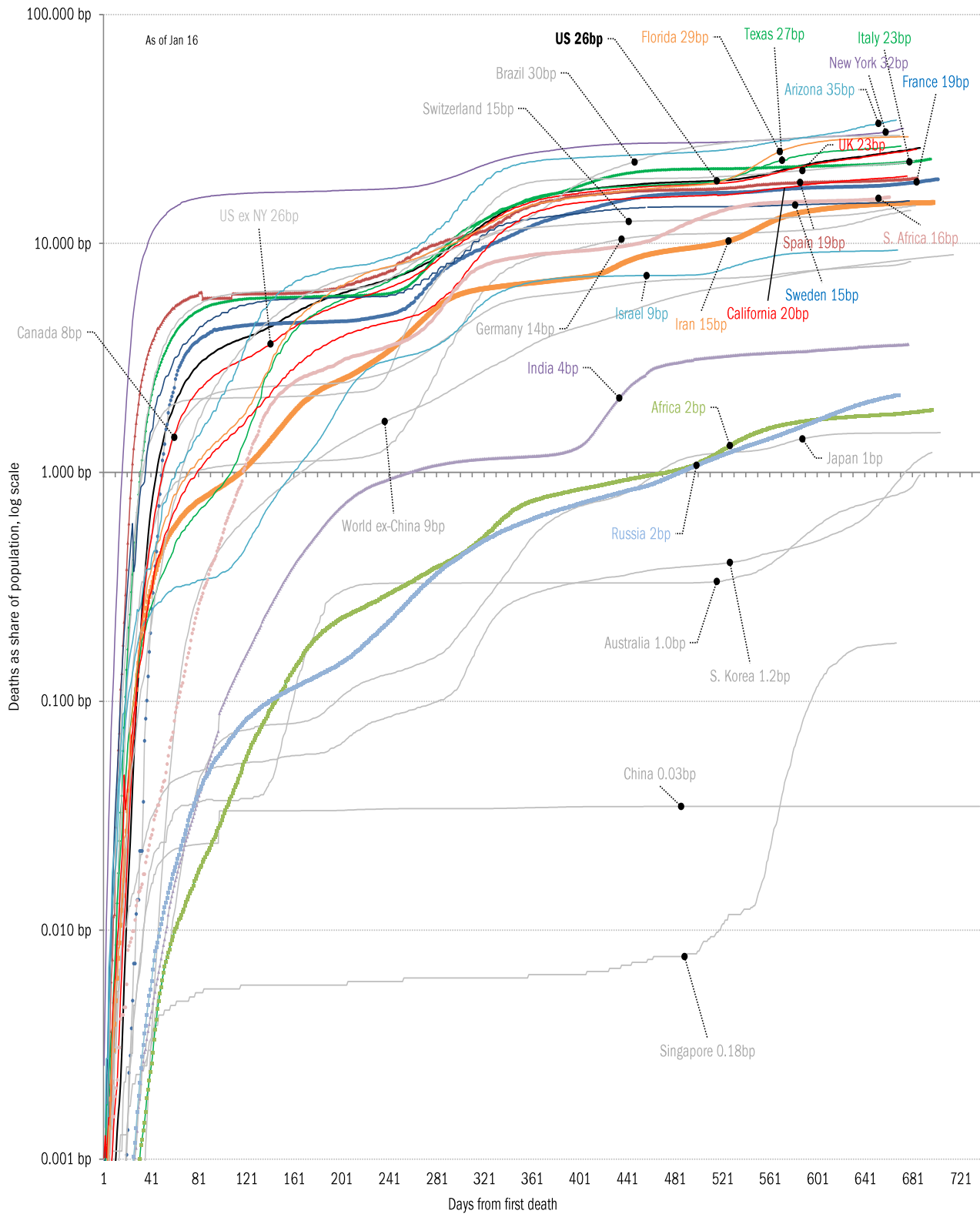
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



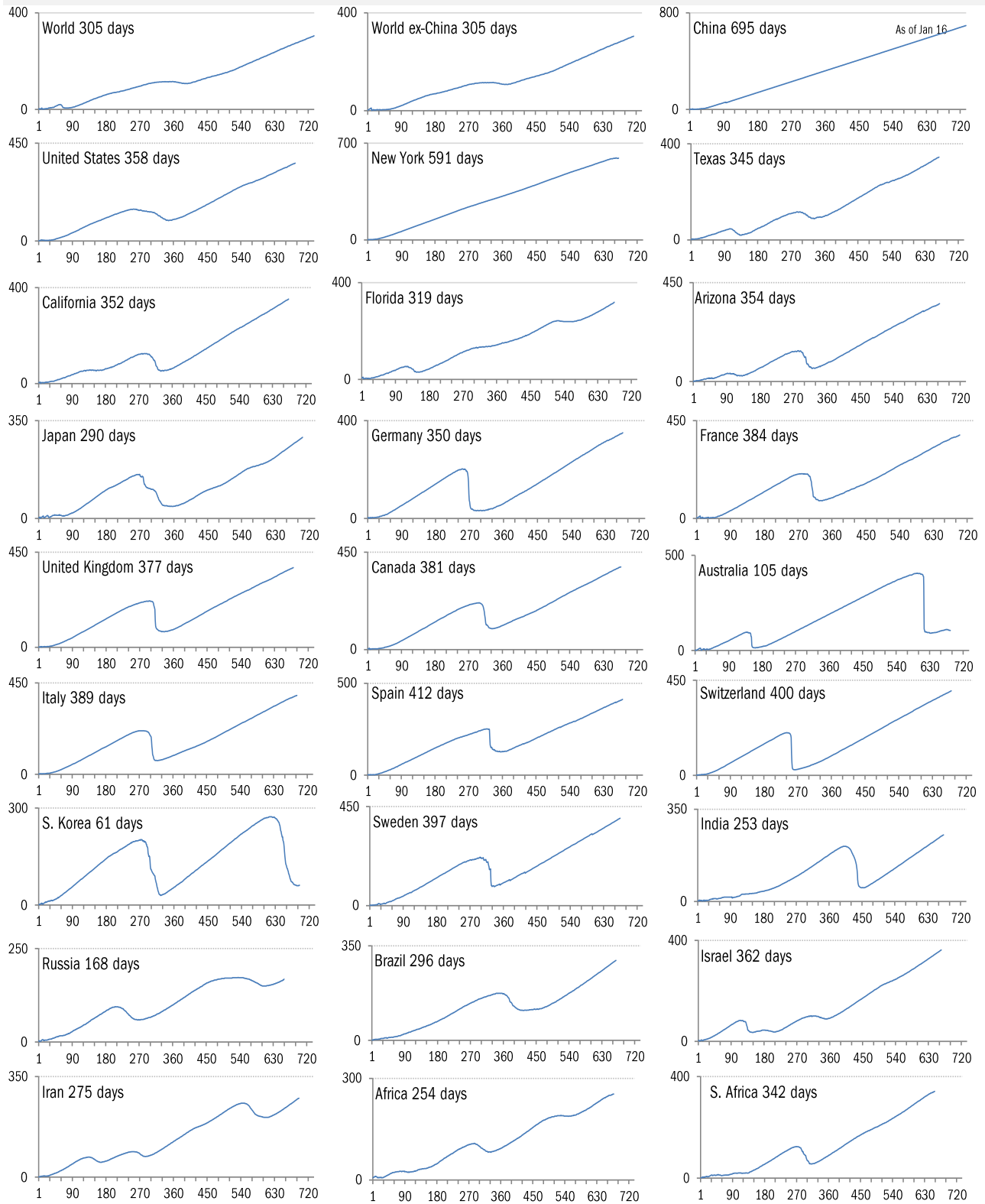
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-19

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

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

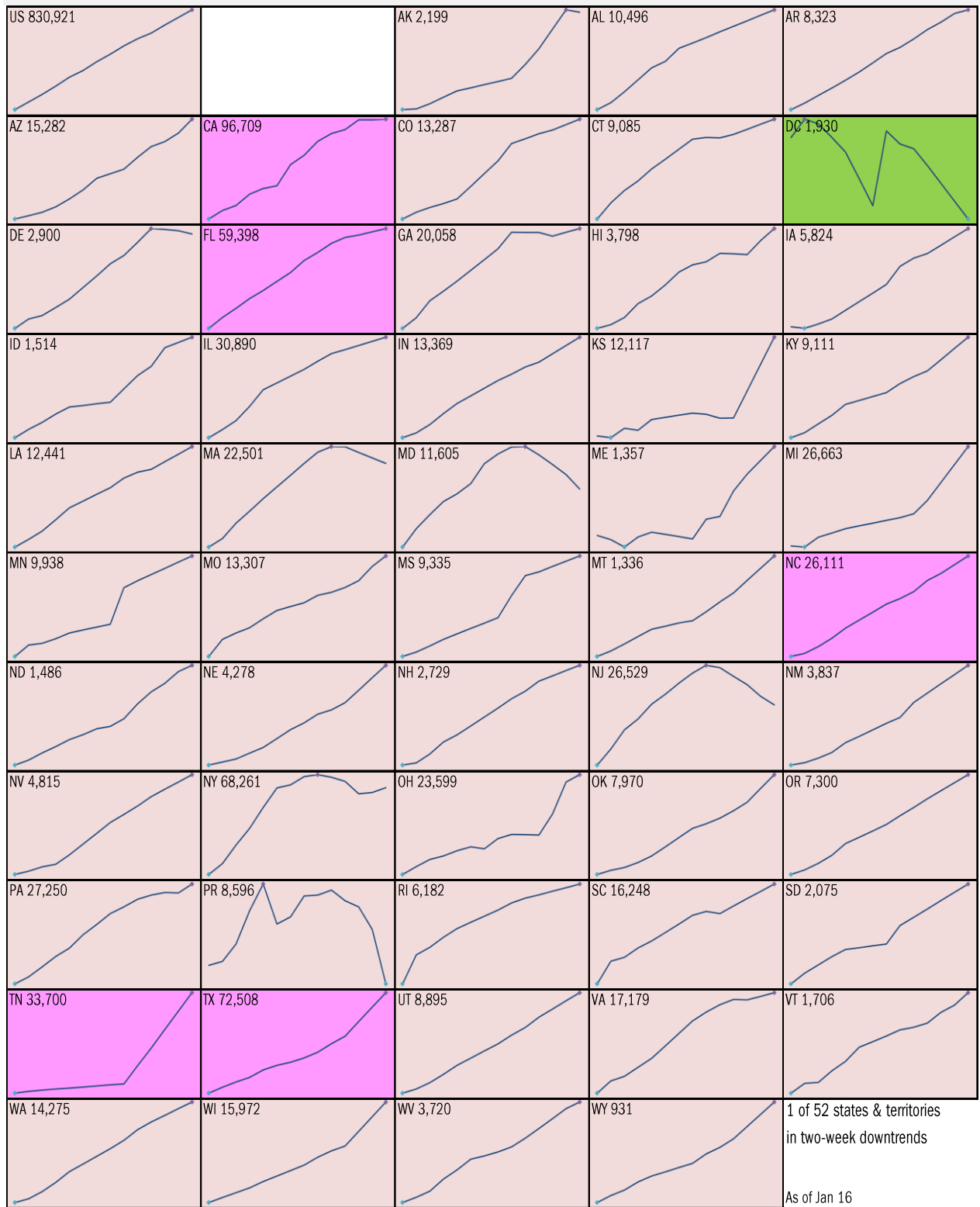


Source: [Johns Hopkins](#), TrendMacro calculations

Requirement to [Open Up America Again](#): 14-day "downward 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

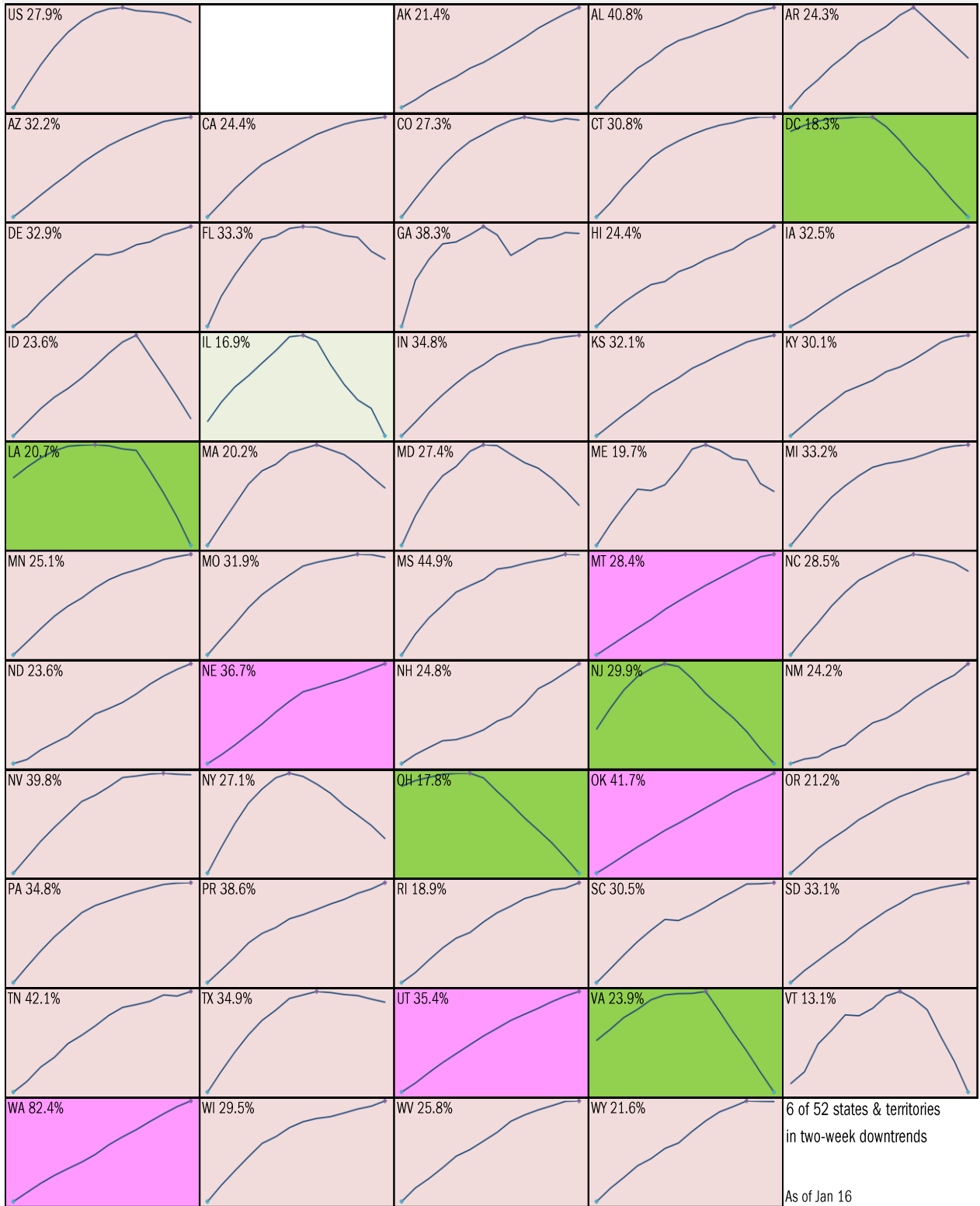


Source: [Johns Hopkins](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

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

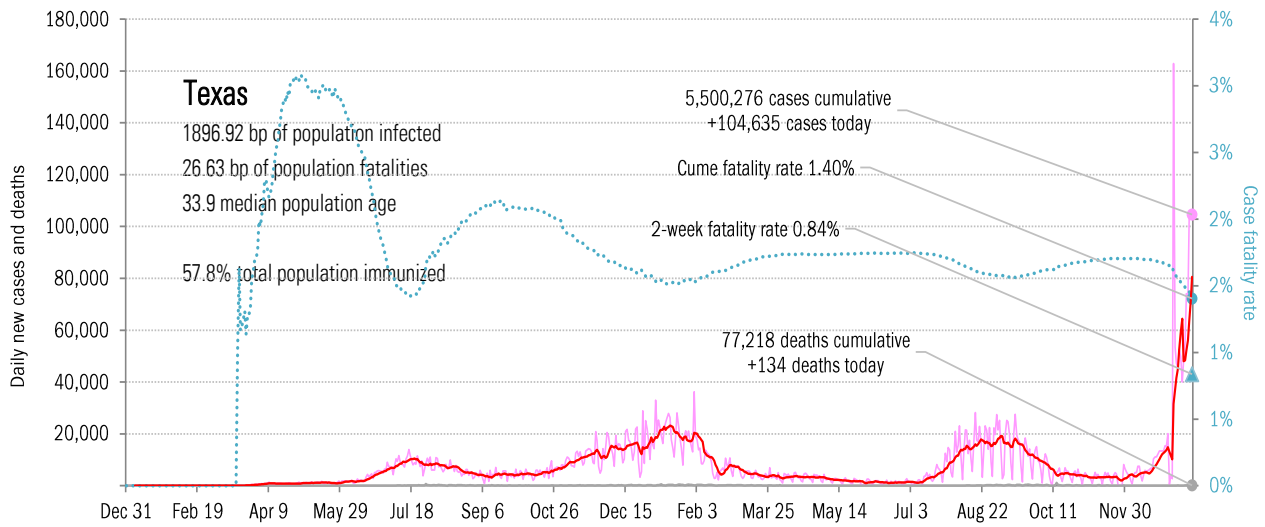
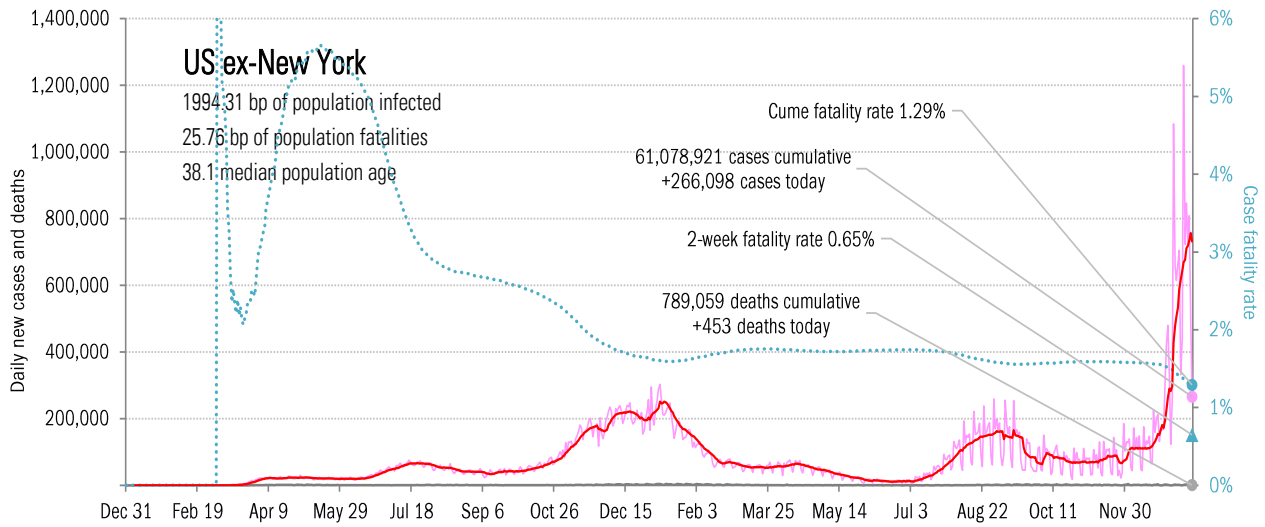
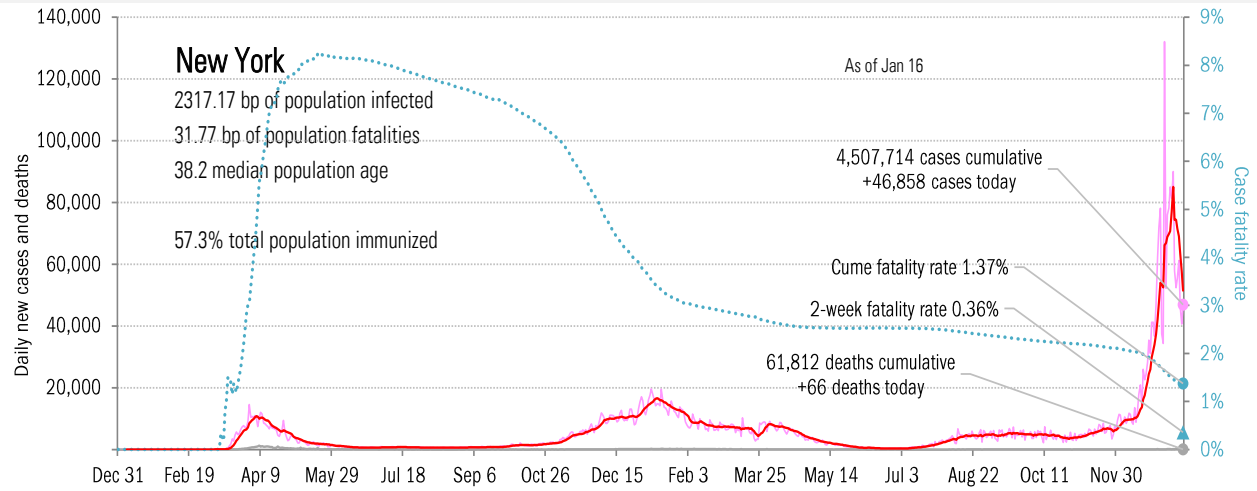
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

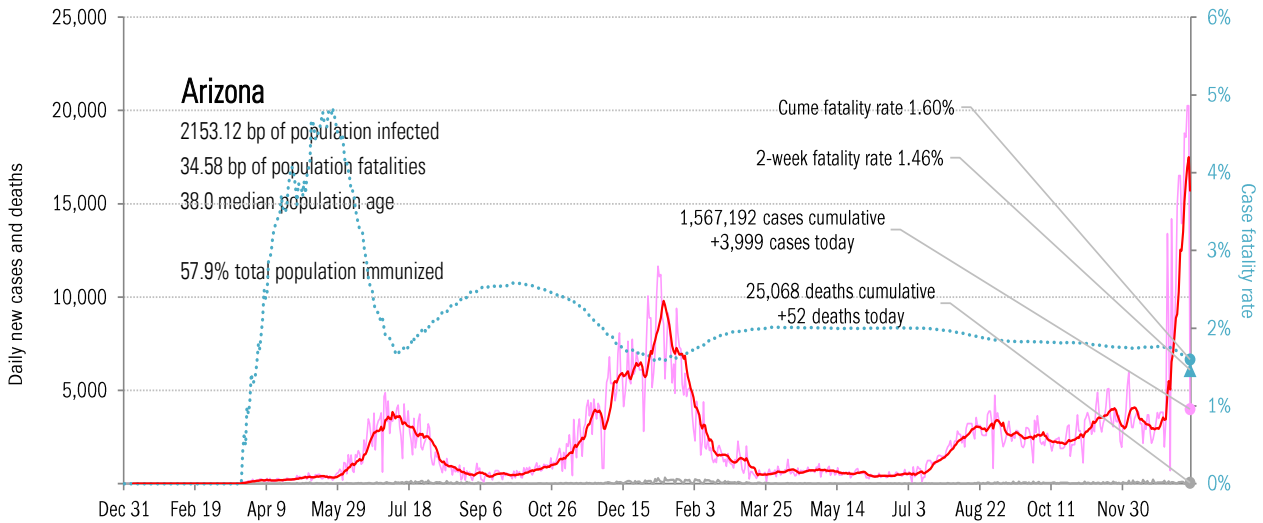
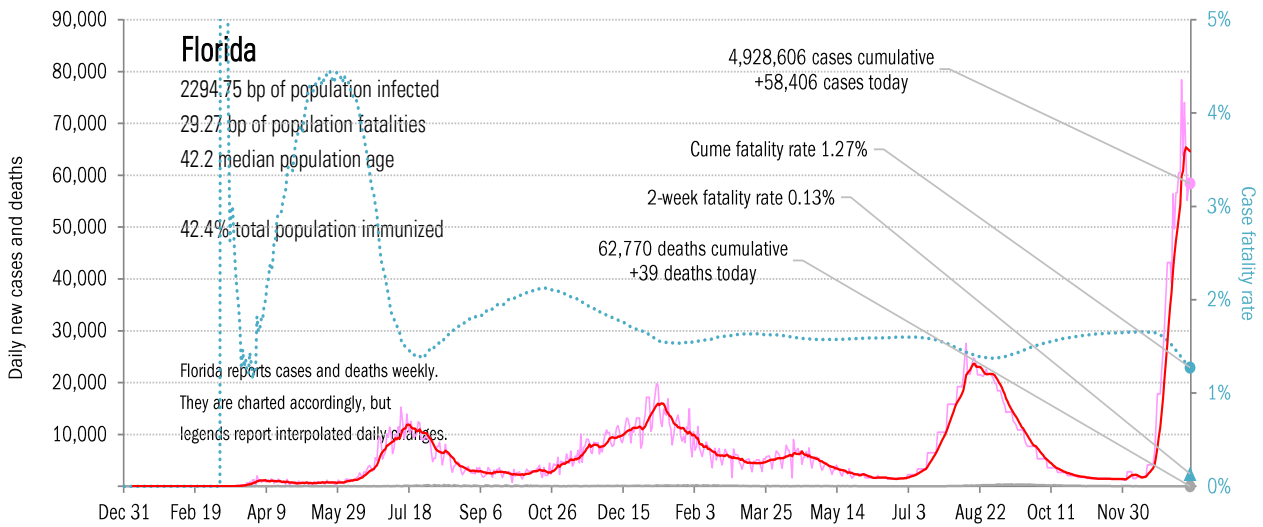
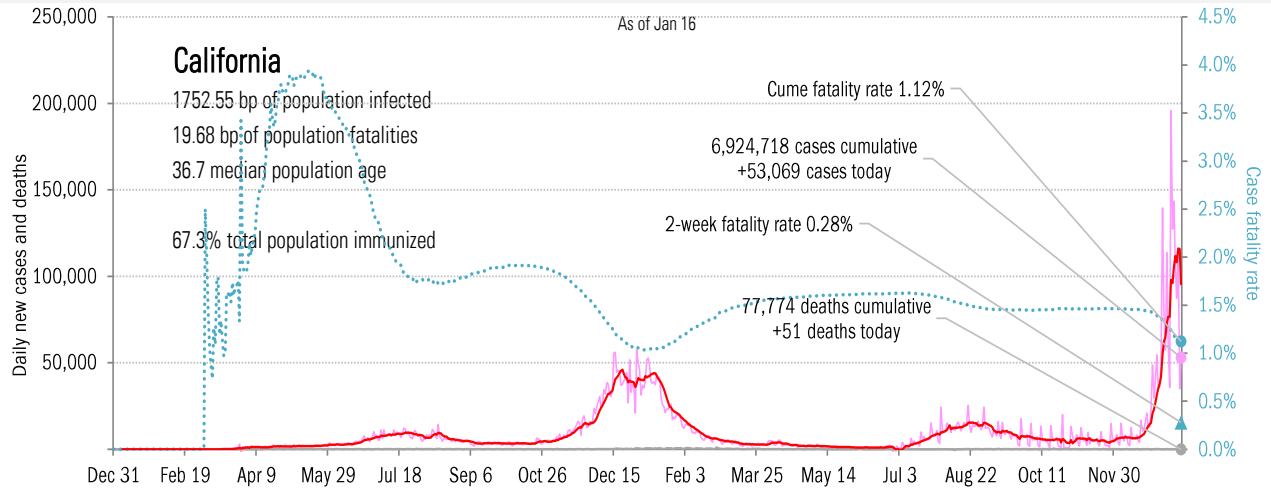
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states (other than Texas)

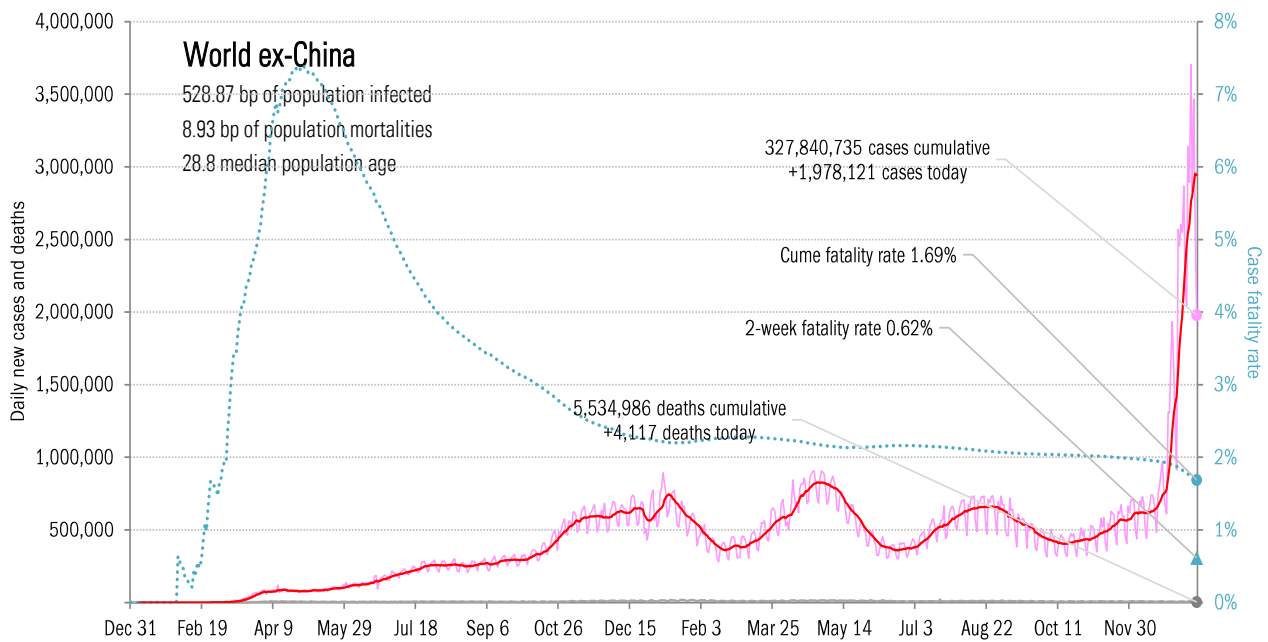
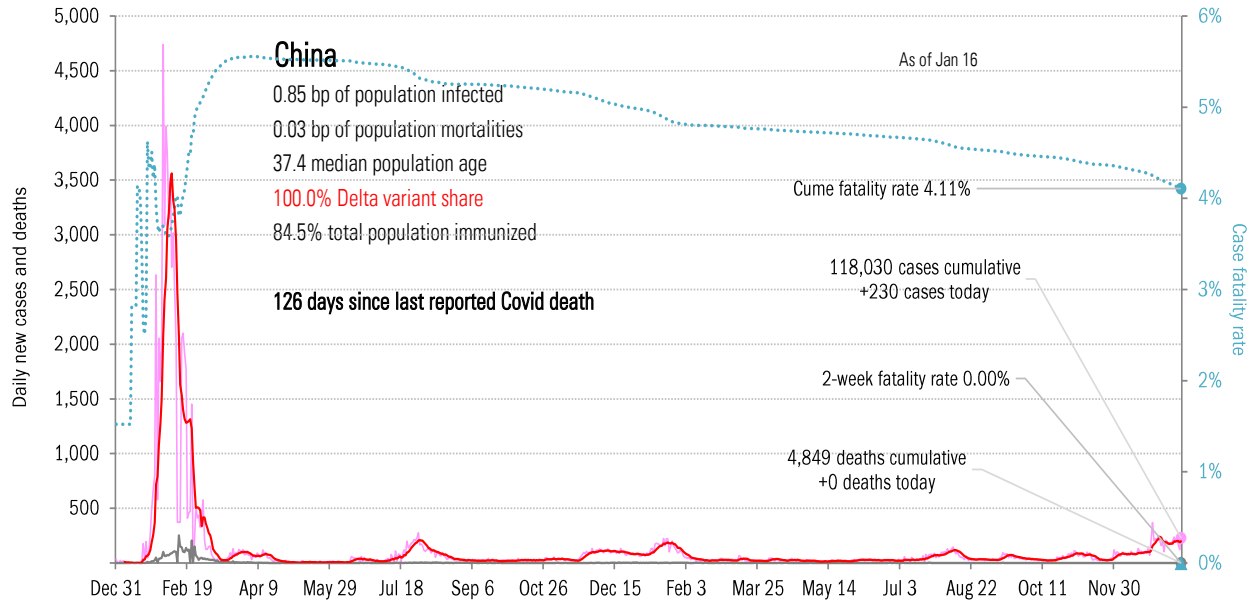
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

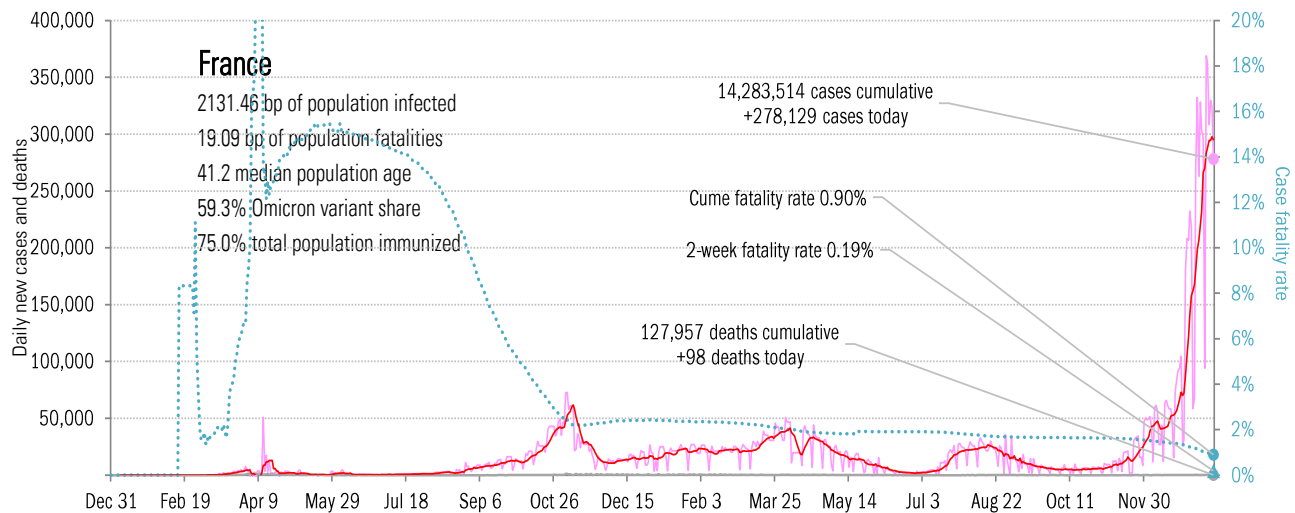
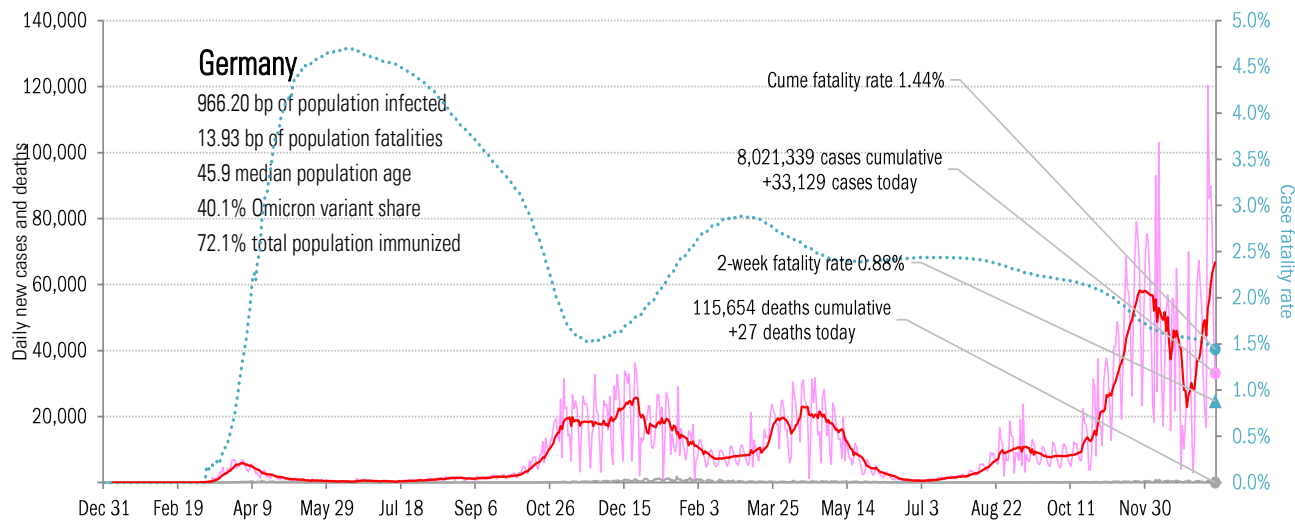
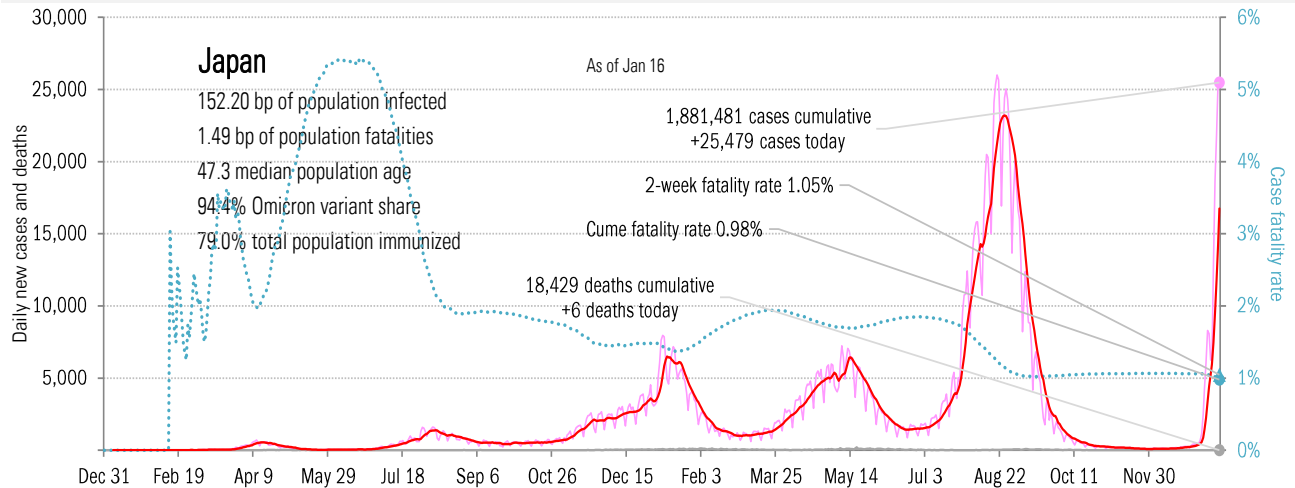
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

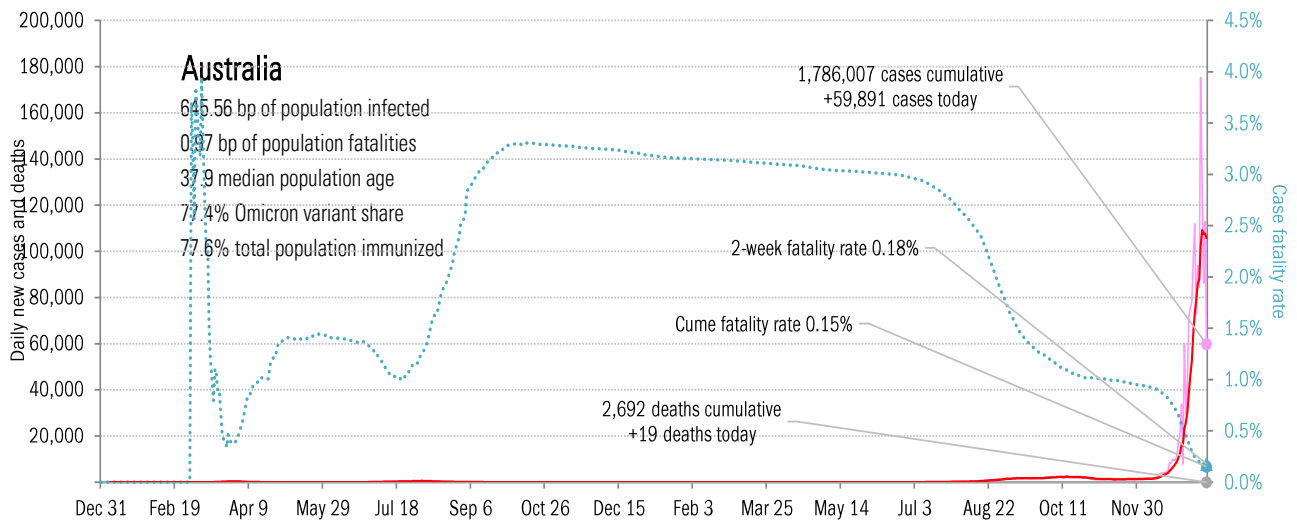
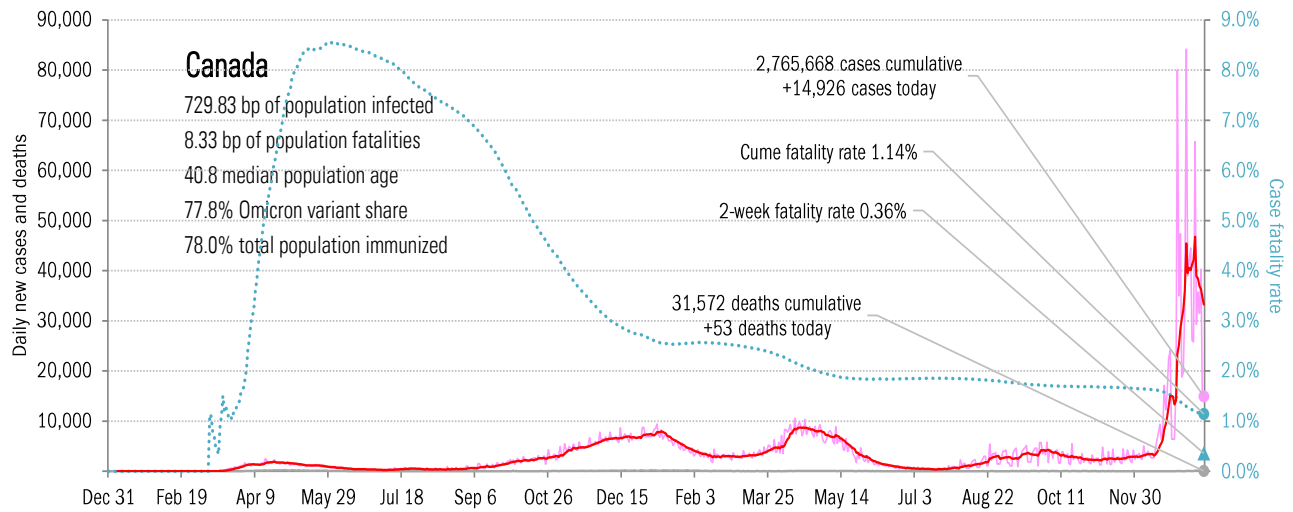
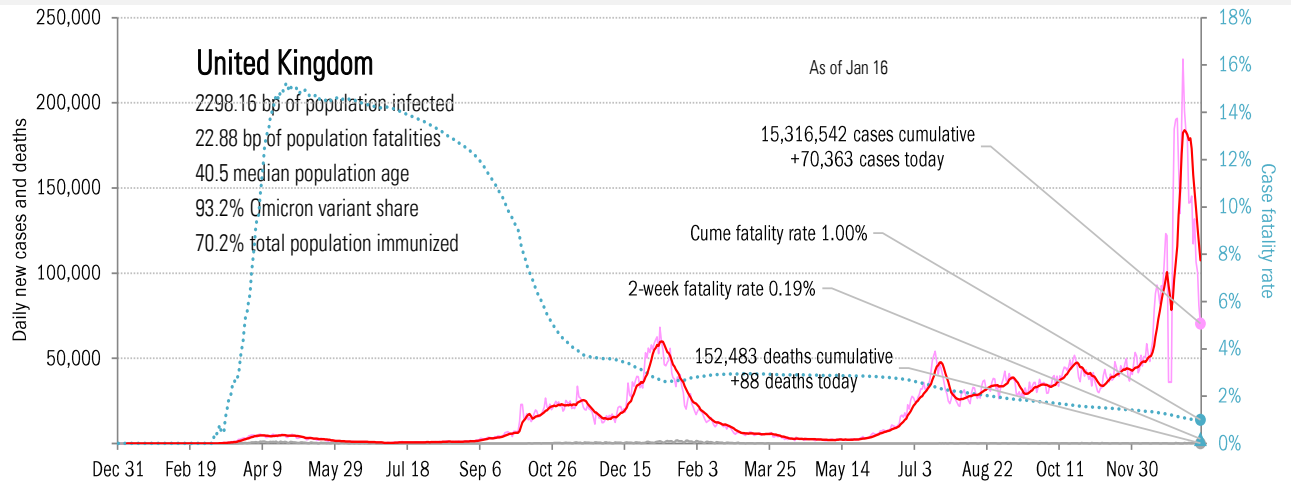
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

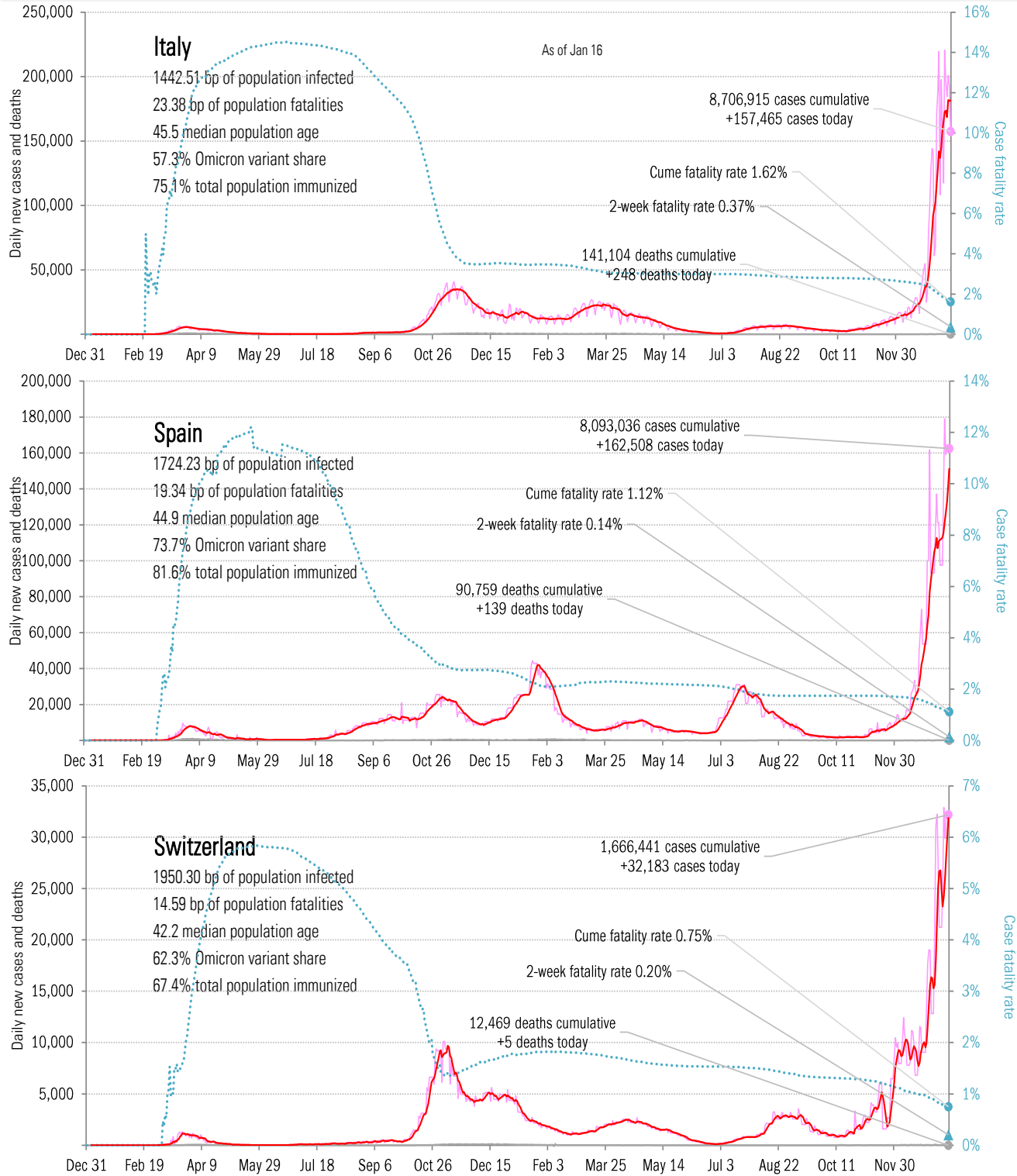


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

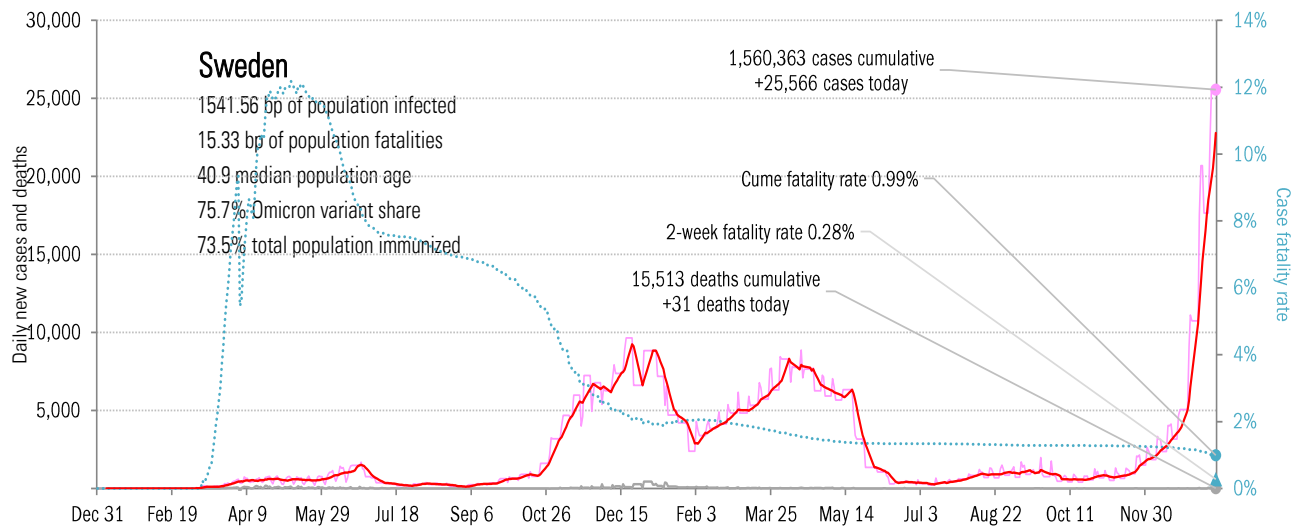
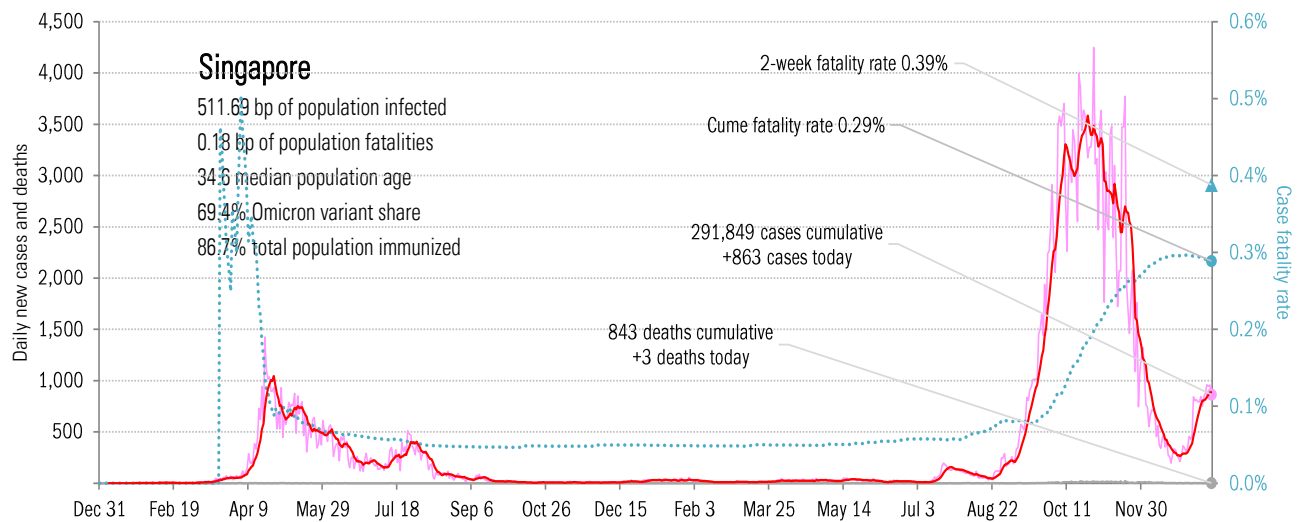
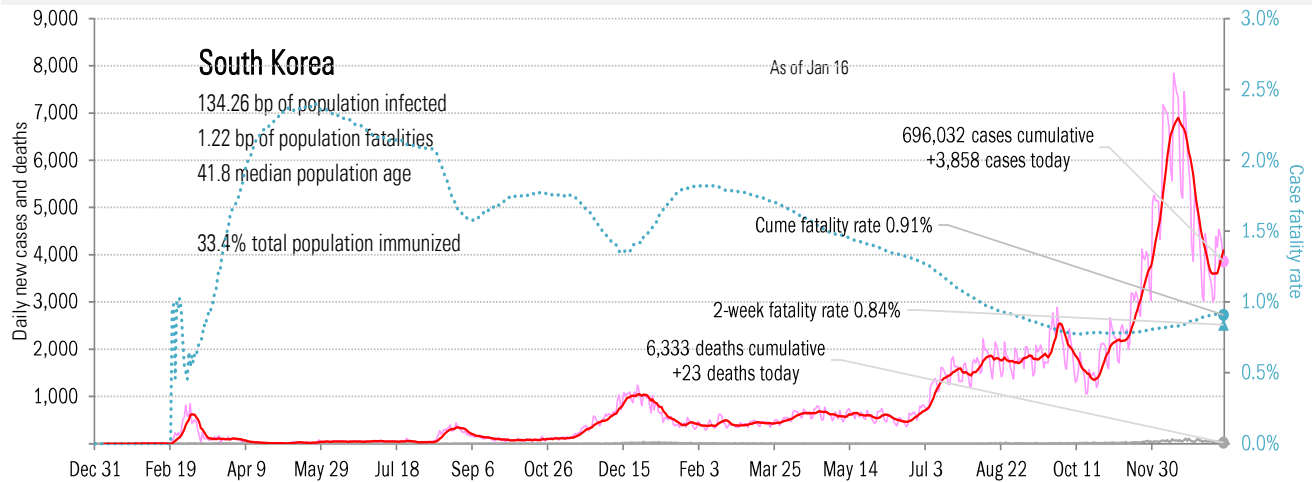
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

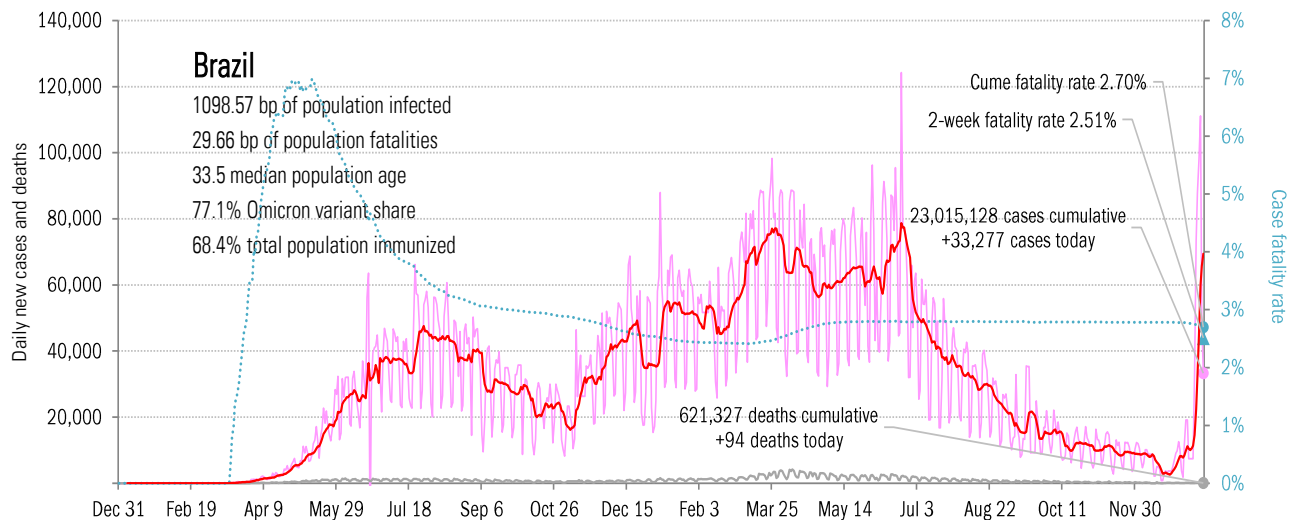
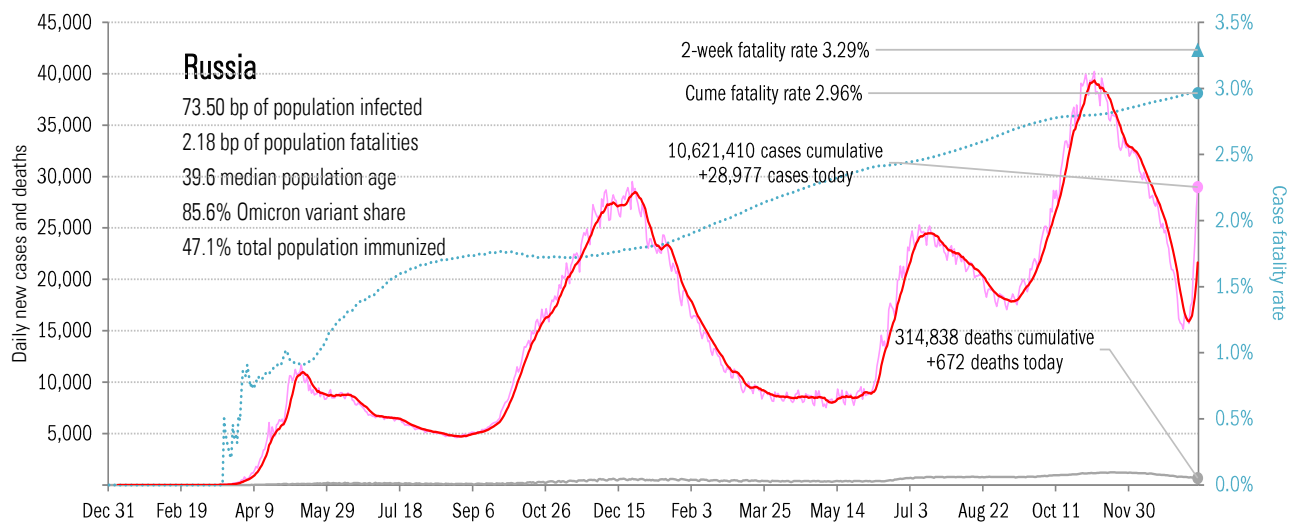
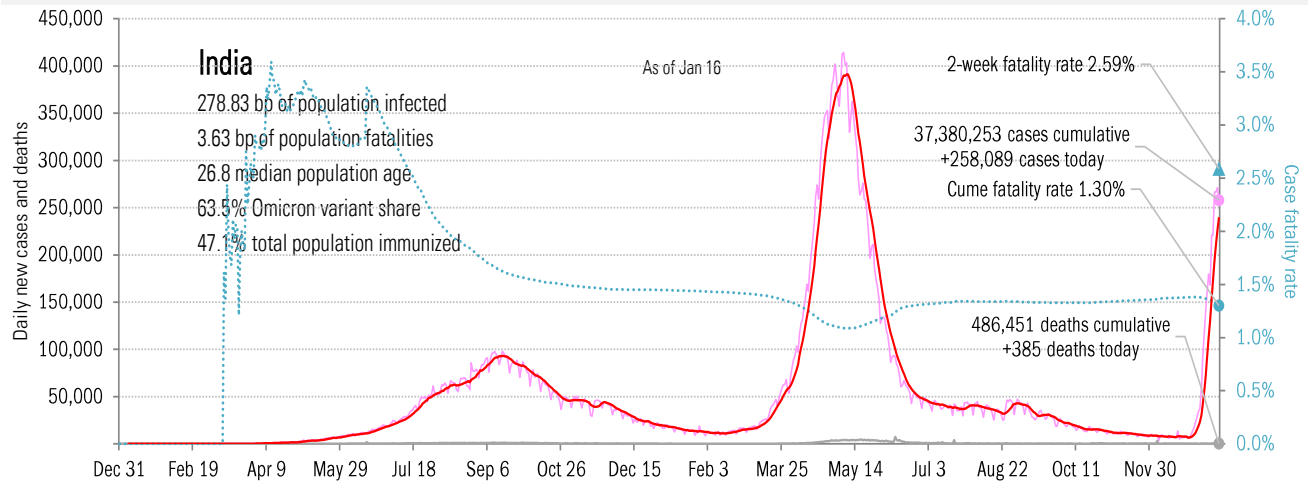
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

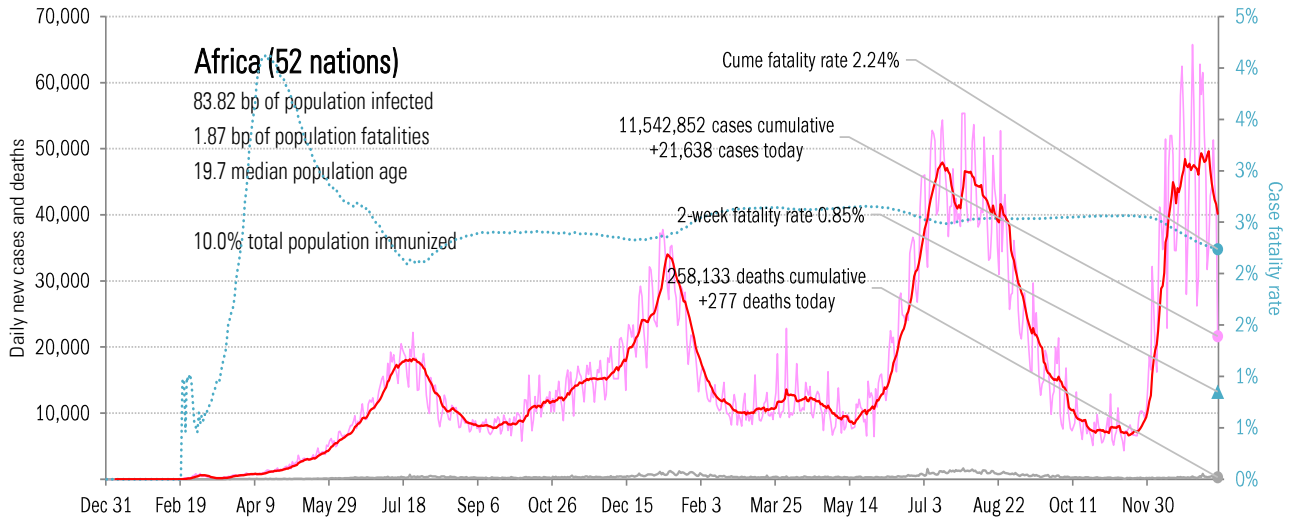
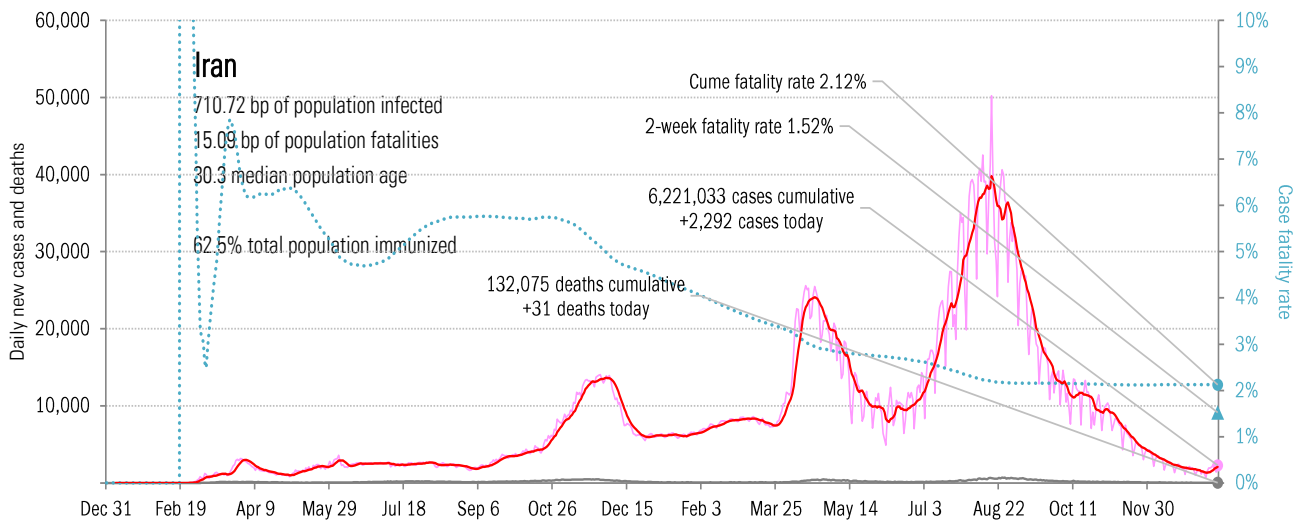
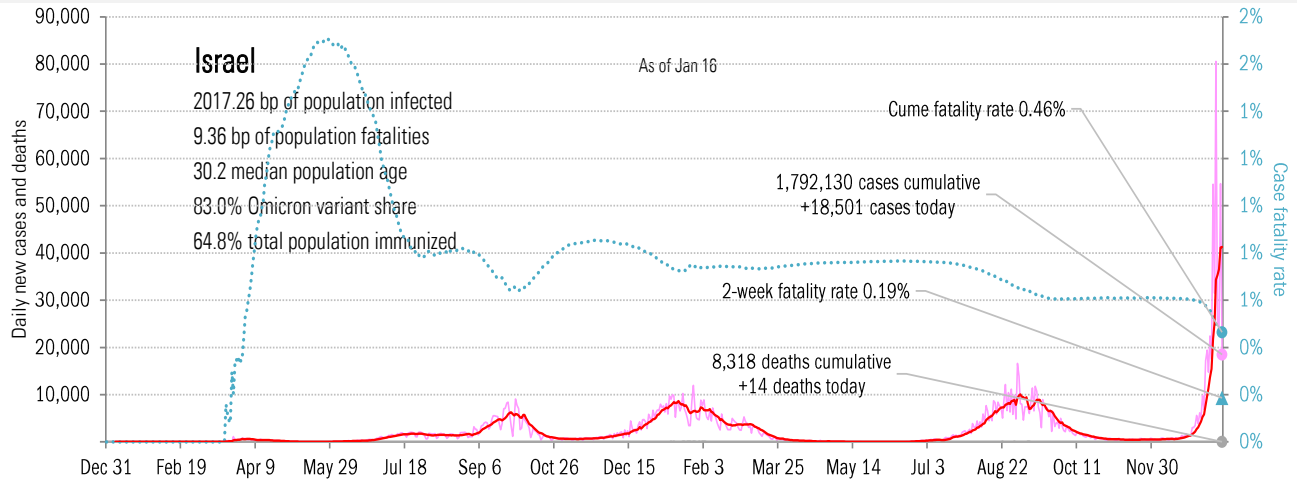
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

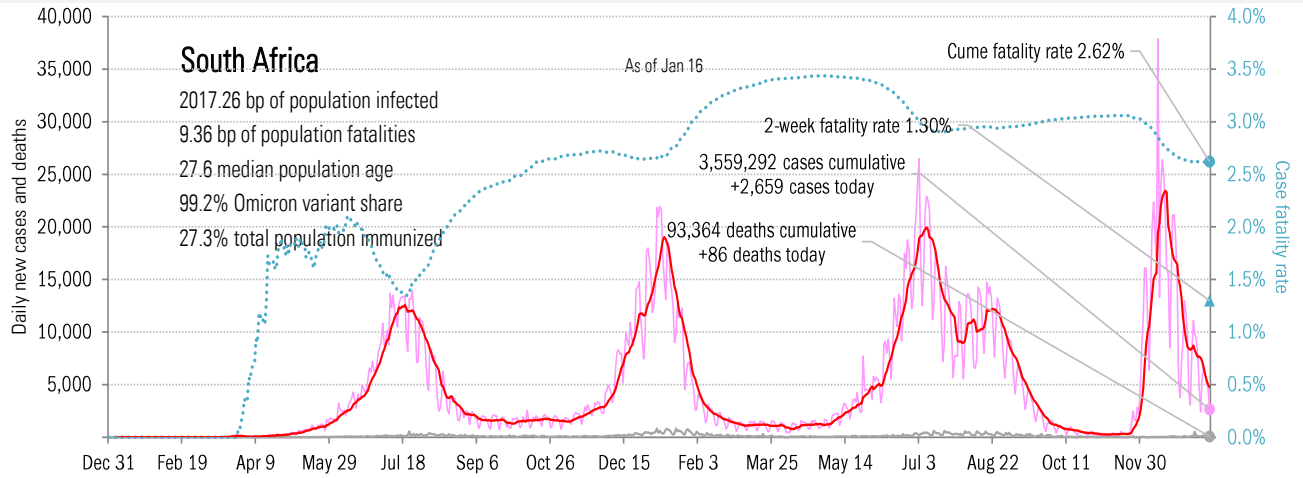
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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