

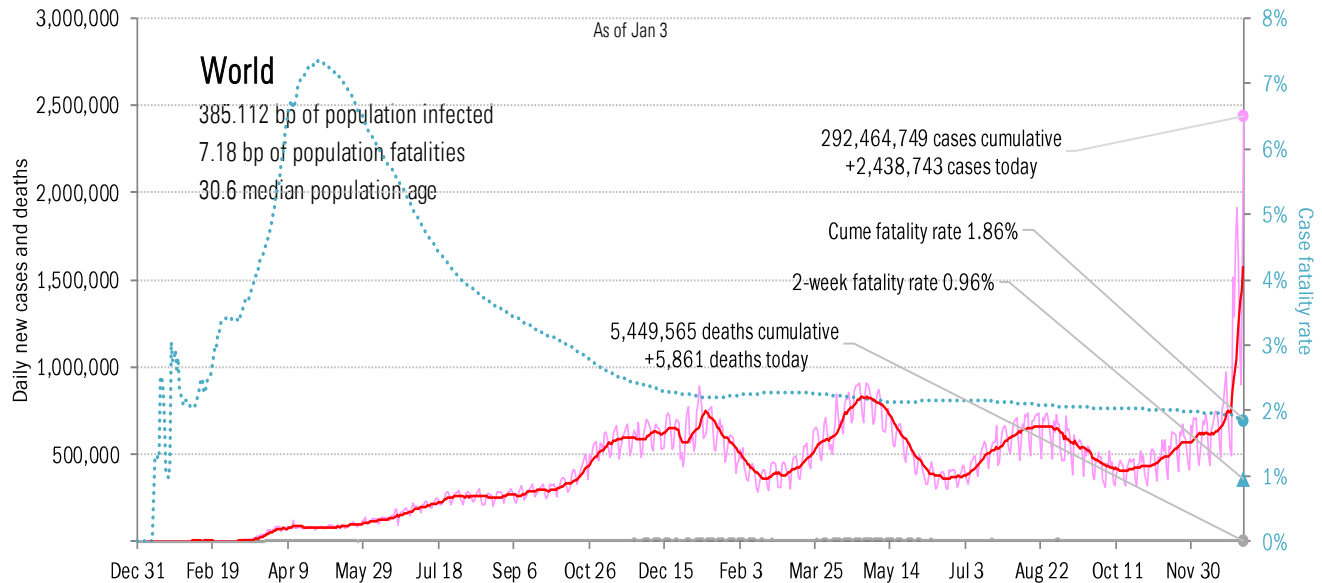
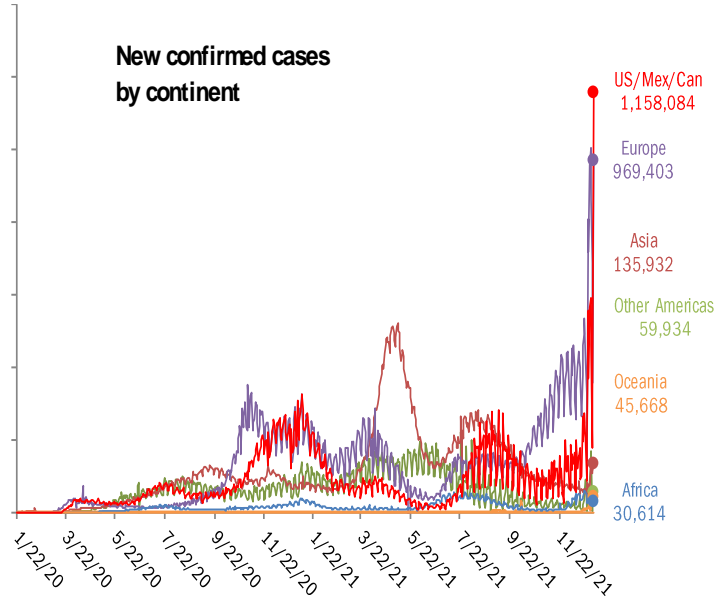
## Data Insights: Covid-2019 Monitor

Tuesday, January 4, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	1,121,657	United States	1,704
Spain	372,766	Russia	812
United Kingdom	187,864	Germany	423
Italy	68,034	France	270
France	67,489	Hungary	248
Germany	50,013	Vietnam	190
Turkey	44,869	Spain	168
Australia	44,745	Turkey	160
Argentina	44,396	Italy	140
Switzerland	38,447	Ukraine	137
<b>2,040,280</b>		<b>4,252</b>	
World 2,438,743		World 5,861	
Top ten 84%		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

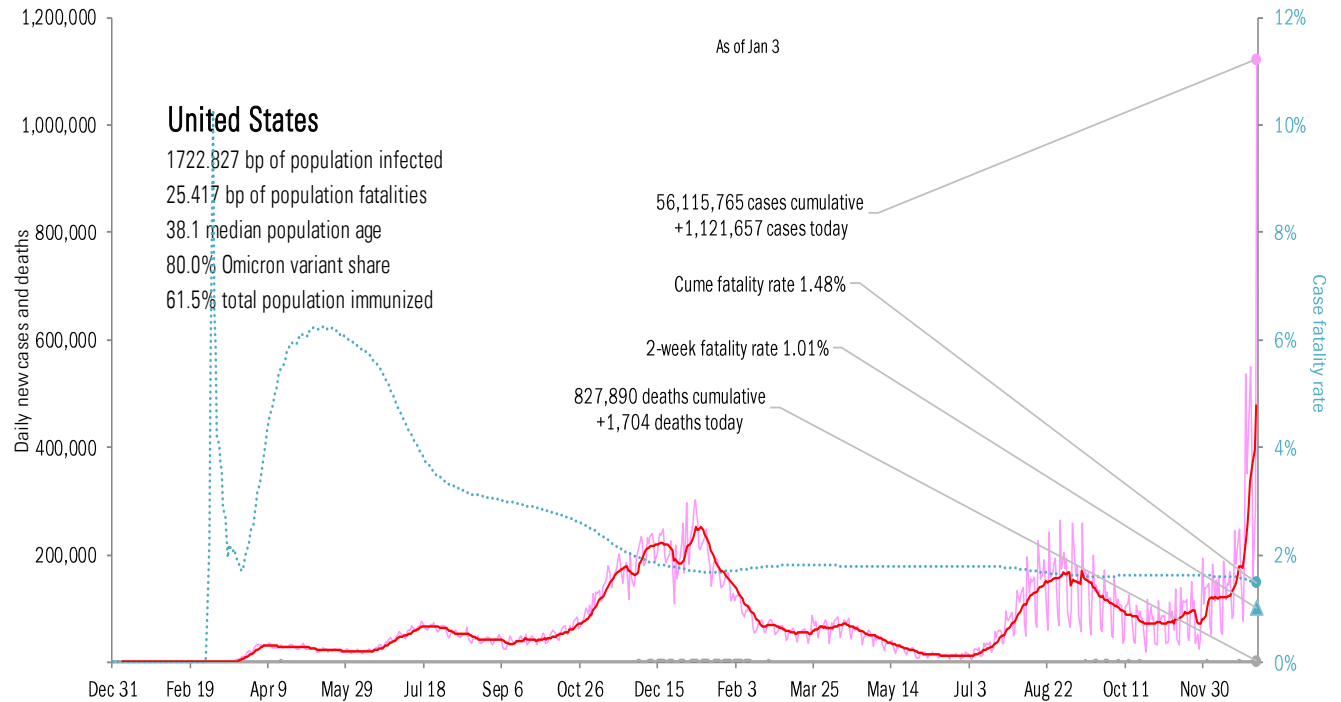
## The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TX	162,871		MI	323		FL	575		CA	5,603,200		CA	76,540		TX	405,602		DE	87%	RI	92%
NY	132,093		TX	223		CA	441		TX	4,751,178		TX	75,967		FL	340,432		NV	86%	TX	91%
IL	89,195		IL	177		TX	437		FL	4,136,145		FL	62,646		CA	338,542		RI	86%	DE	90%
MI	65,557		KY	116		GA	348		NY	3,684,152		NY	59,760		NY	195,902		WA	85%	NV	89%
NC	45,901		CK	84		NJ	316		IL	2,238,743		PA	36,799		GA	172,555		GA	85%	IN	89%
CA	44,840		PA	84		NY	189		PA	2,101,019		GA	31,443		CH	157,657		MN	84%	NM	89%
TN	41,464		NY	78		CH	180		CH	2,072,663		IL	30,431		PA	145,432		MD	83%	NH	89%
VA	40,246		TN	69		PA	156		GA	1,839,879		CH	29,447		IL	128,592		PA	82%	CK	88%
FL	39,108		CT	50		MD	141		MI	1,775,882		MI	29,343		KY	121,092		MA	82%	MO	86%
MA	33,090		MN	48		NC	134		NC	1,732,568		NJ	29,073		MI	118,954		WV	82%	PA	84%
694,365			1,252			2,917			29,935,429			461,449			2,124,760						
All states 1,121,657			1,704			4,295			All states 56,115,765			827,890			3,838,146			All states 70%		67%	
Top ten 62%			73%			68%			Top ten 53%			56%			55%			Median 75%		79%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MD	-22,395	FL	-109	NY	-162	PA	+20 bp
CH	-18,684	MD	-86	MO	-112	RI	+20 bp
FR	-9,067	NY	-19	IL	-56	FR	+20 bp
AL	-8,865	MP	-3	MS	-55	LA	+10 bp
NJ	-4,709	MO	-2	KS	-50	GA	+10 bp

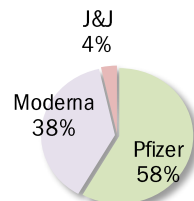


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Because of the New Years Day holiday, the CDC did not update its vaccine database.

Administered	Cumulative	Partial					
Doses	520,901,960	73.4%					
Boosters	69,843,701	75.9%					
		78.2%					
One dose	% Pop	Immune	% pop	New immune today	France	83.3%	
Total population	249,513,525	75%	210,949,398	63%	+0.175 million	Spain	84.8%
Age 12 to 17	15,176,486	64%	12,765,868	54%	+0.015 million	Germany	73.5%
Age 18 to 64	168,874,428	83%	143,479,478	71%	+0.074 million	Italy	80.1%
Age 65 and over	57,700,736	100%	49,630,282	91%	+0.007 million	Australia	79.3%



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

Every American >18 immunized in **581 days** by Aug 2, 2023  
 74.8% of population >18 immunized  
 19.1% previously tested positive  
**93.9%** vs 60% adult herd immunity

Israel	63.7%	70.6%
Canada	77.2%	83.3%
Japan	78.3%	79.7%
Africa	9.1%	14.1%
India	42.7%	60.5%
Brazil	67.0%	77.7%
China	83.6%	87.2%

Global data differs due to sources, timing

AK	65.0%
	56.3%

WI	68.2%
	62.0%

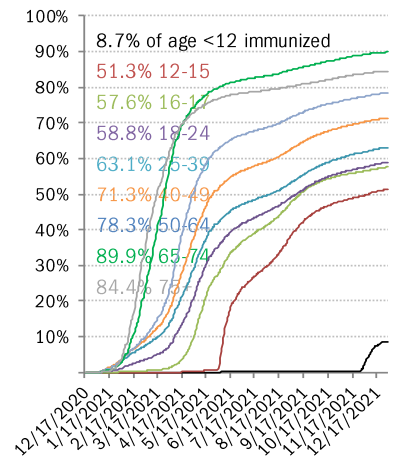
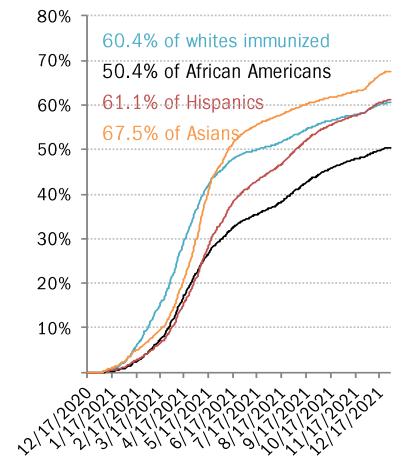
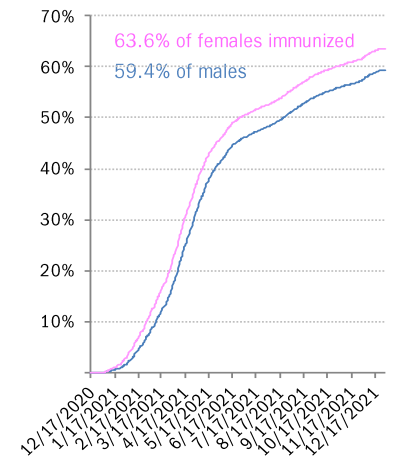
As of Dec 30

ME	85.9%
	75.8%

WA	75.7%	67.9%	ID	52.1%	46.2%	MT	62.1%	54.0%	ND	62.2%	52.6%	MN	71.4%	65.4%	IL	72.0%	64.0%	MI	63.5%	56.8%	NY	84.0%	71.8%	VT	89.3%	77.4%	NH	95.0%	67.2%			
OR	74.0%	66.5%	NV	69.5%	56.4%	WY	55.9%	47.5%	SD	70.9%	57.1%	IA	64.9%	59.0%	IN	57.9%	52.0%	OH	60.4%	55.2%	PA	78.2%	63.9%	NJ	83.7%	70.5%	MA	90.6%	74.6%			
CA	82.7%	66.1%	UT	67.4%	58.8%	CO	74.6%	66.2%	NE	66.4%	59.9%	MO	62.3%	53.0%	KY	62.5%	54.2%	WV	61.9%	55.1%	VA	79.0%	68.0%	MD	80.4%	70.4%	CT	88.6%	74.6%	RI	89.0%	76.5%
			AZ	67.3%	57.0%	NM	80.7%	66.2%	KS	69.3%	57.0%	AR	62.7%	51.2%	TN	58.7%	51.4%	NC	76.4%	56.7%	SC	62.8%	53.1%	DC	88.5%	67.6%	DE	76.7%	64.2%			
						OK	66.0%	53.5%	LA	57.4%	50.3%	MS	55.3%	48.1%	AL	58.5%	47.6%	GA	61.3%	51.1%												
						TX	66.8%	57.0%										FL	74.5%	63.4%	PR	88.9%	77.0%									

HI	88.2%
	63.6%

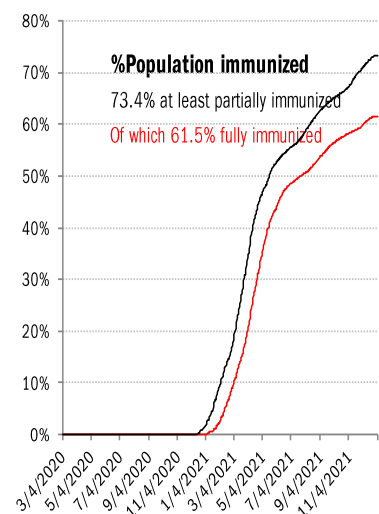
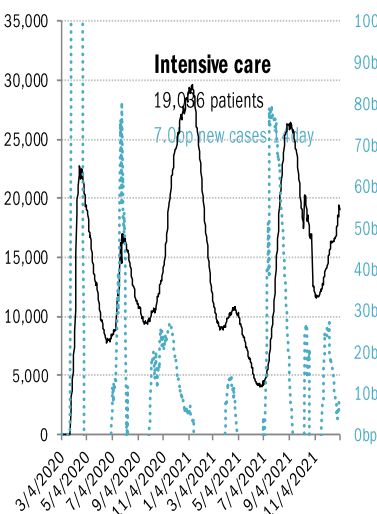
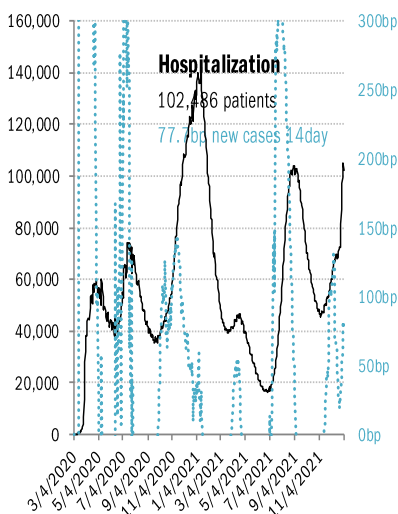
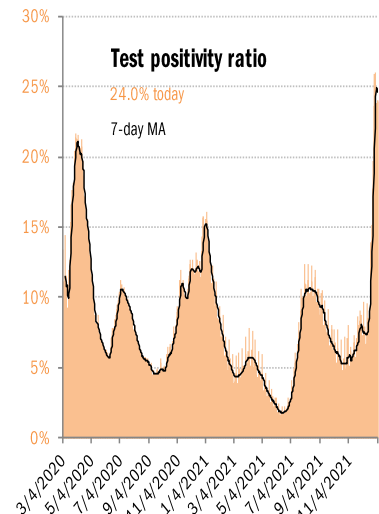
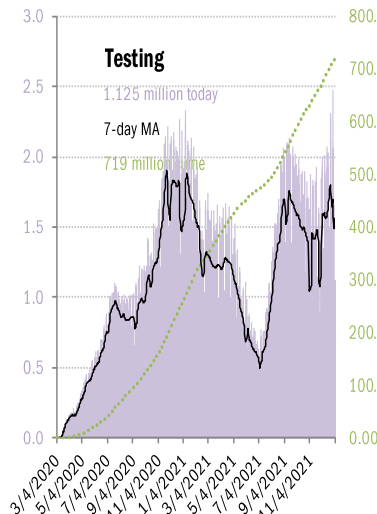
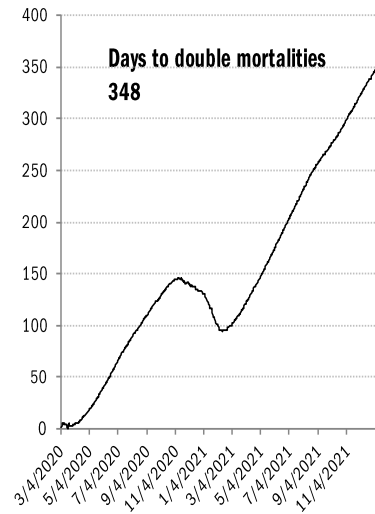
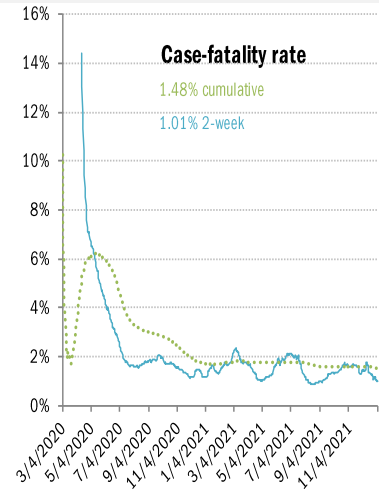
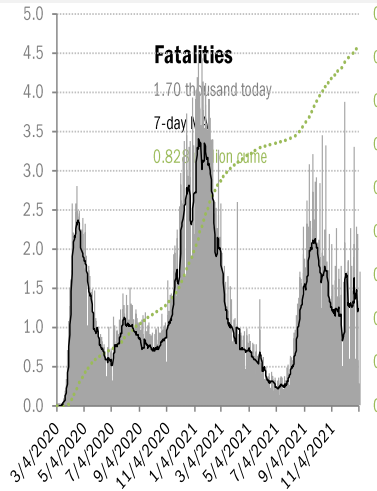
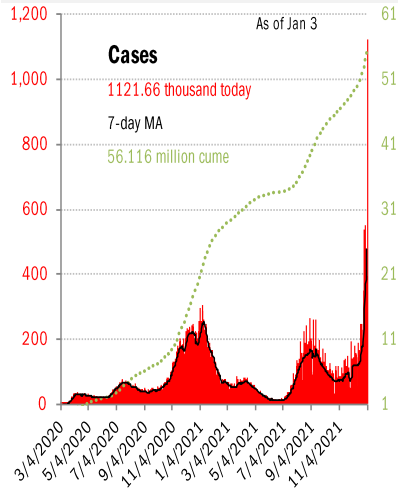
## The demographics of US vaccination



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

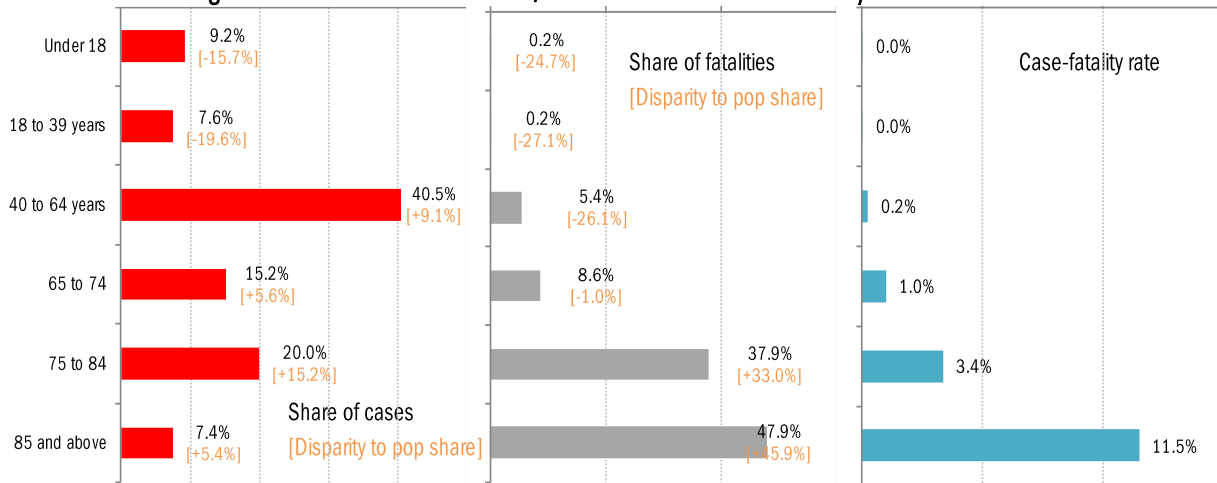
# US deep-dive

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

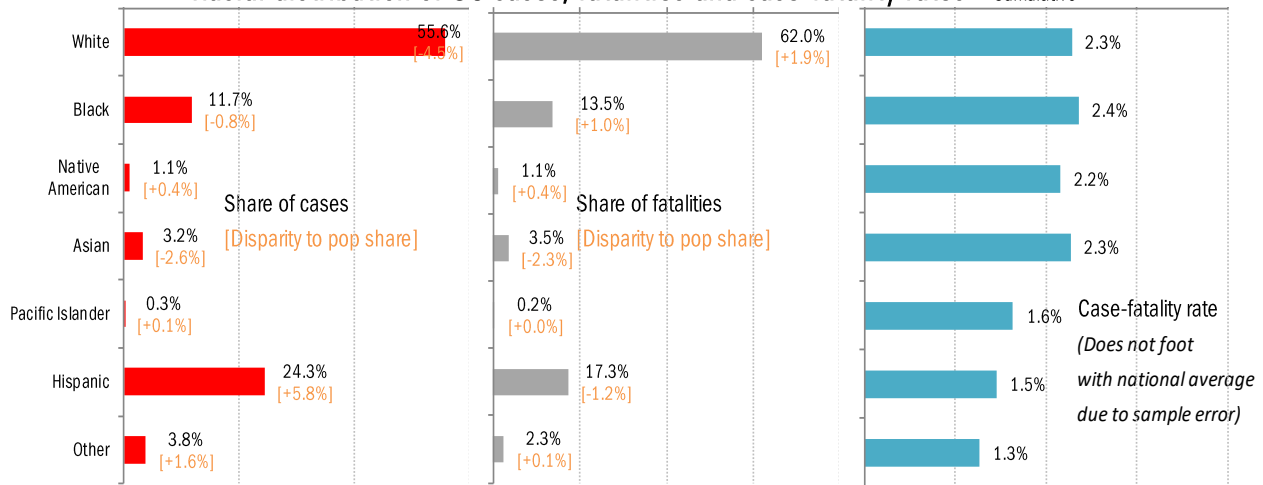


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

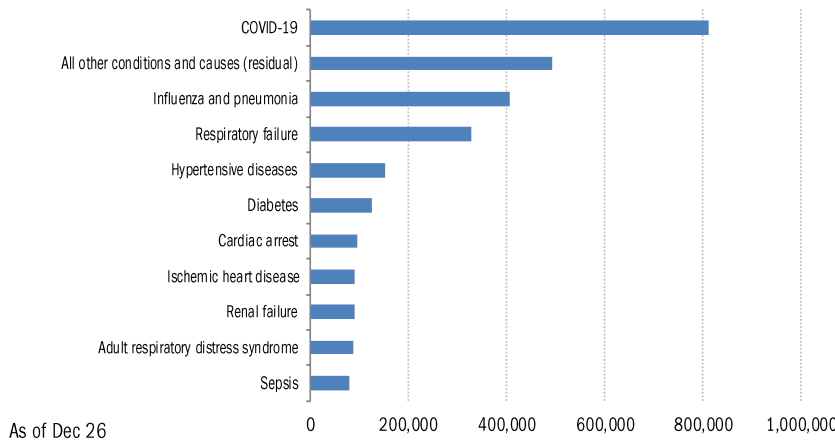


Racial distribution of US cases, fatalities and case-fatality rates



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

[Denmark health chief says Omicron is bringing about the END of the pandemic and 'we will have our normal lives back in two months'](#)

Chris Jewers  
*Daily Mail*  
January 3, 2022

[Covid Should Revive School Vouchers as a Liberal Cause](#)

Mark Brilliant and Steven Davidoff Solomon  
*Wall Street Journal*  
January 3, 2022

[Judge blocks COVID vaccine mandate for Head Start program](#)

*Associated Press*  
January 2, 2022

[Twilight of the COVID Karens](#)

Robby Soave  
*Washington Examiner*  
December 30, 2021

[When Grady Met Fauci](#)

Lloyd Billingsley  
*American Greatness*  
January 2, 2022

[Studies Proving Generic Drugs Can Fight COVID Are Being Suppressed](#)

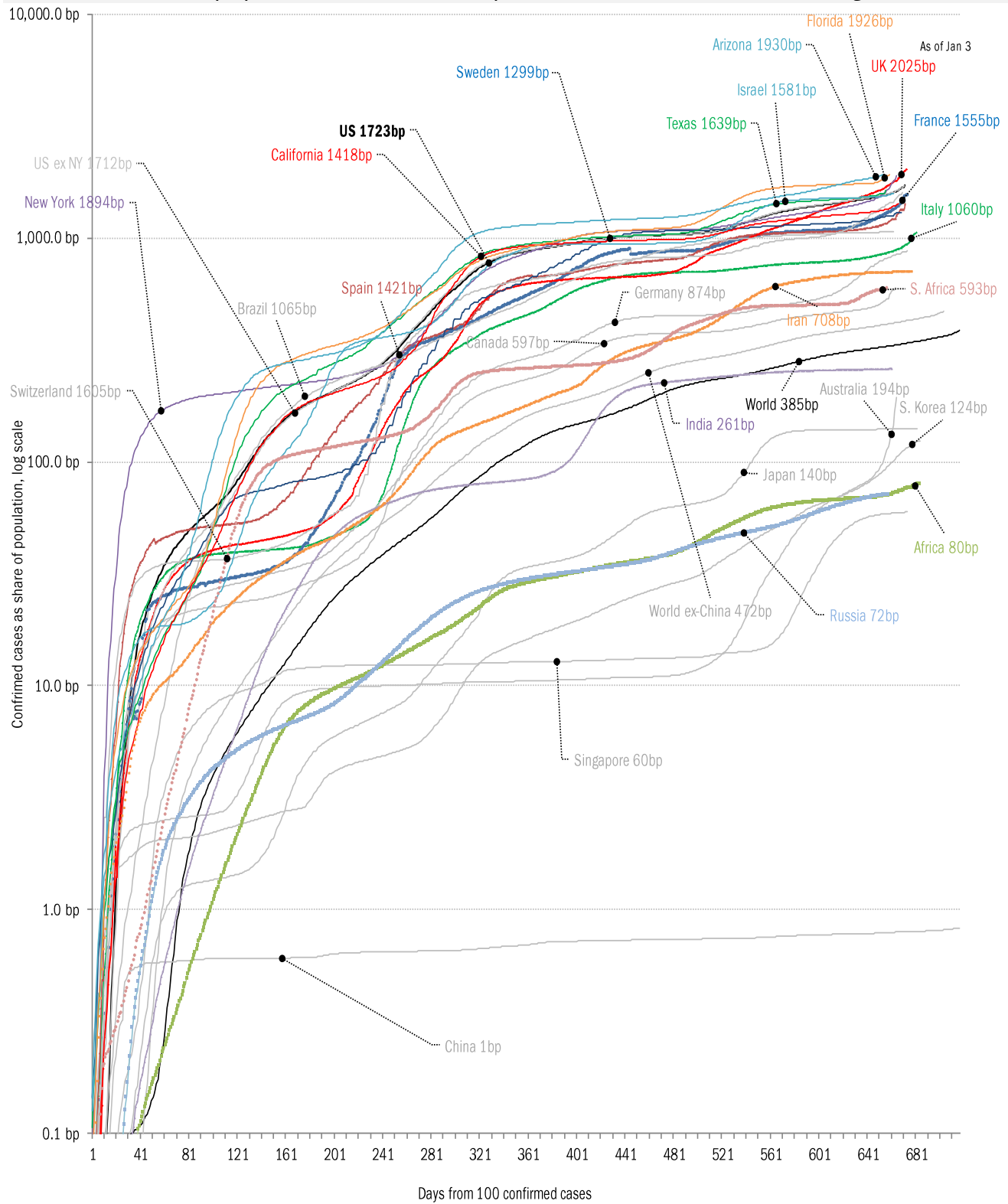
Pierre Kory  
*The Federalist*  
December 16, 2021

## Meme of the day



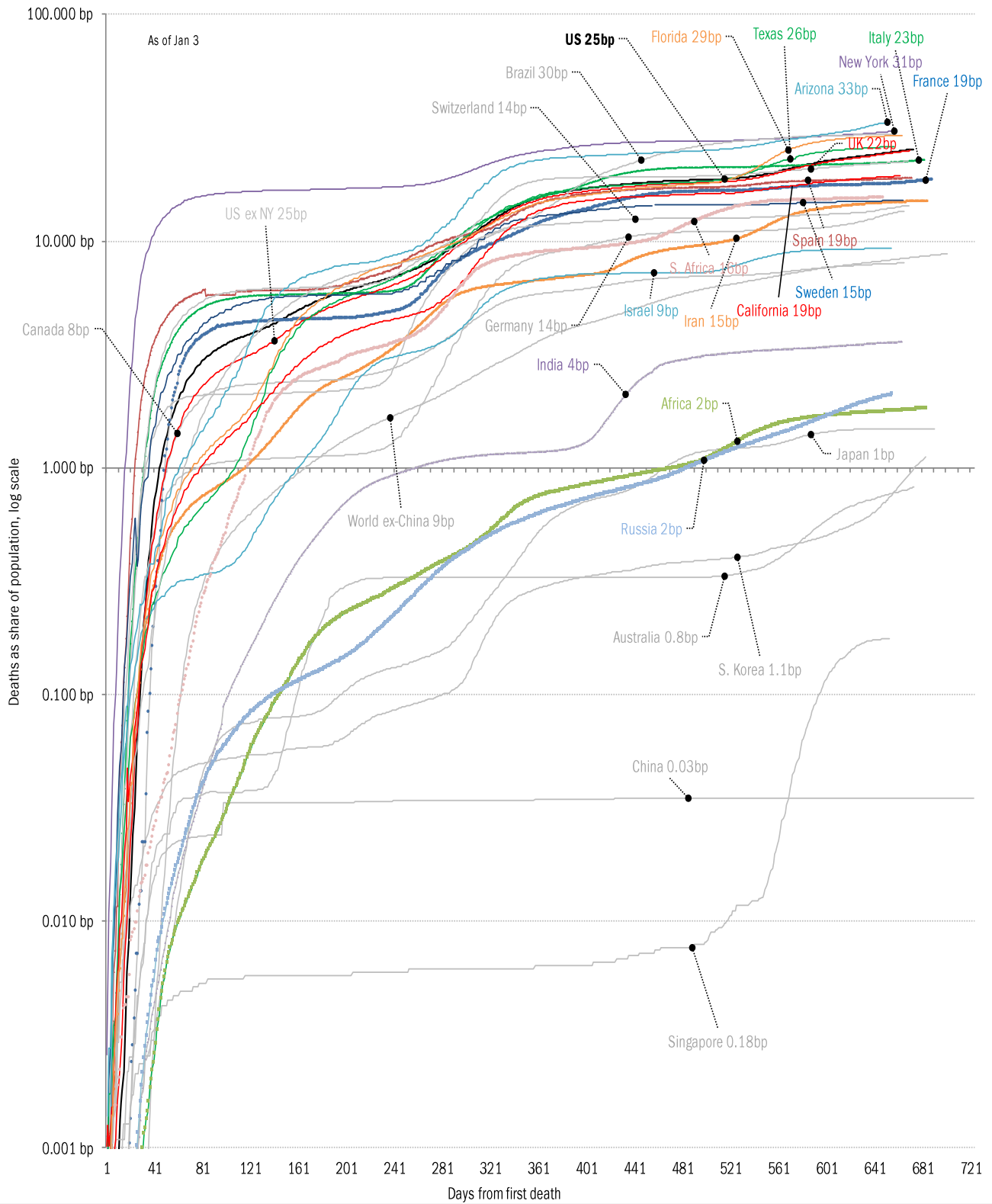
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



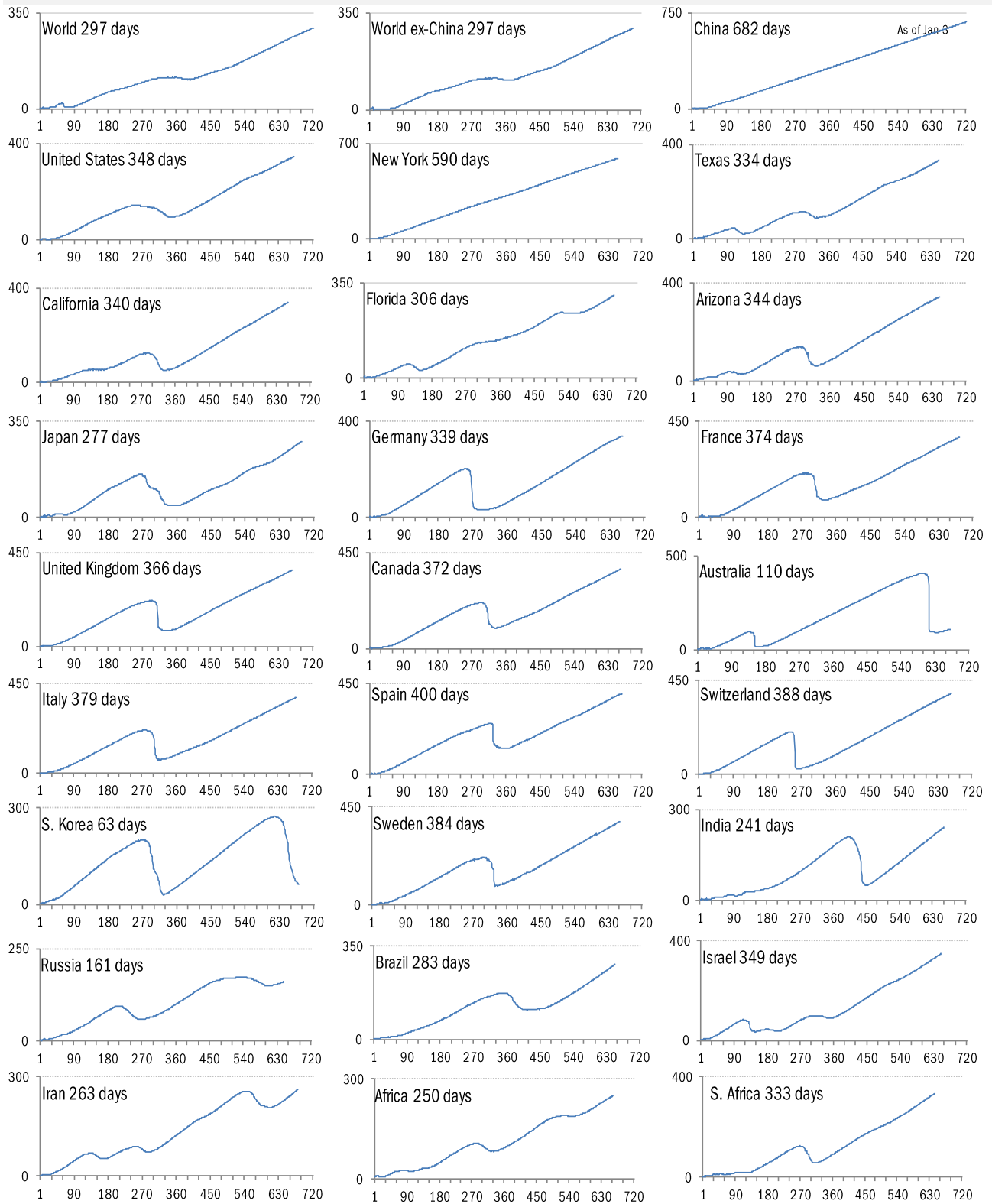
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

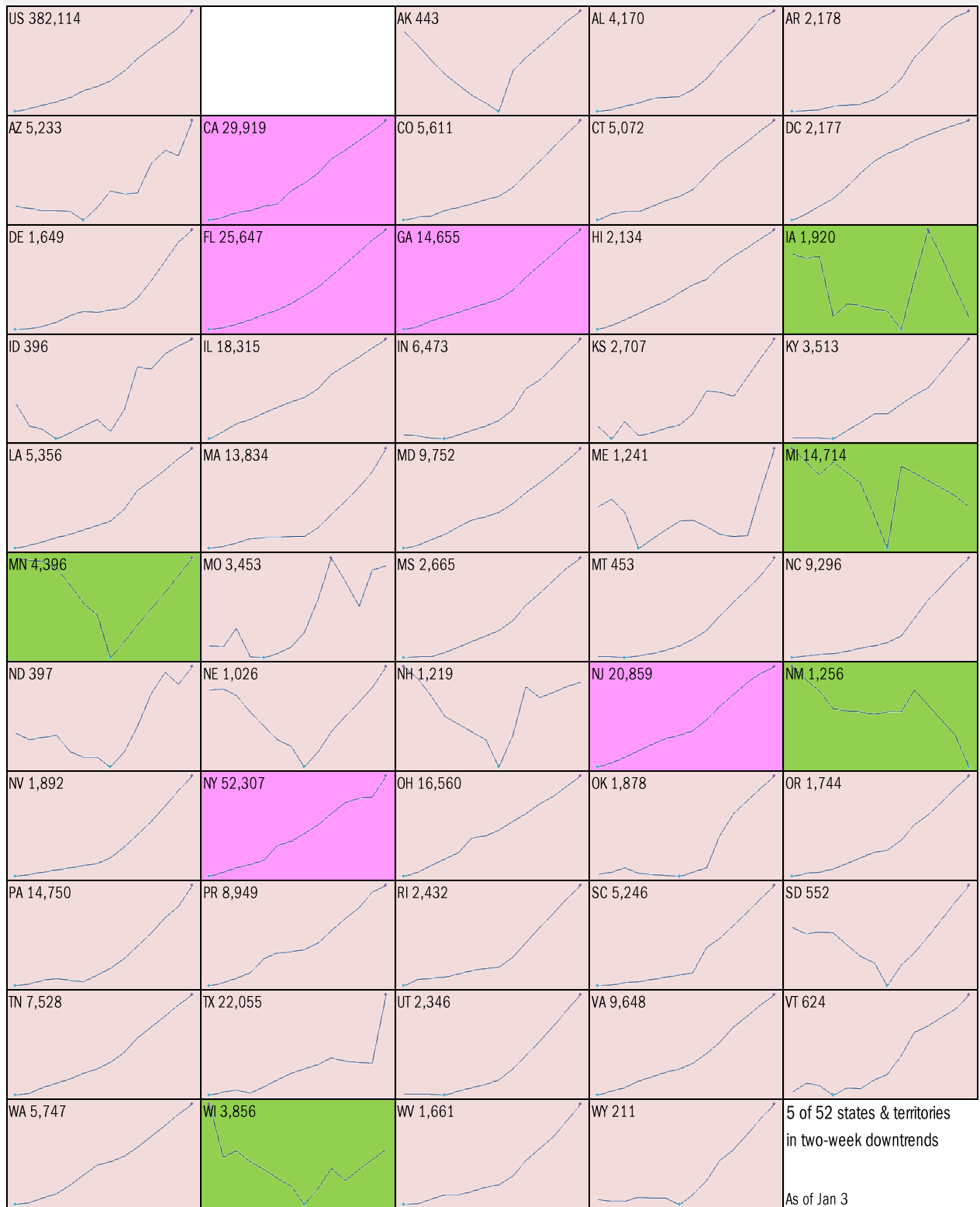


Source: [Johns Hopkins](#), TrendMacro calculations

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

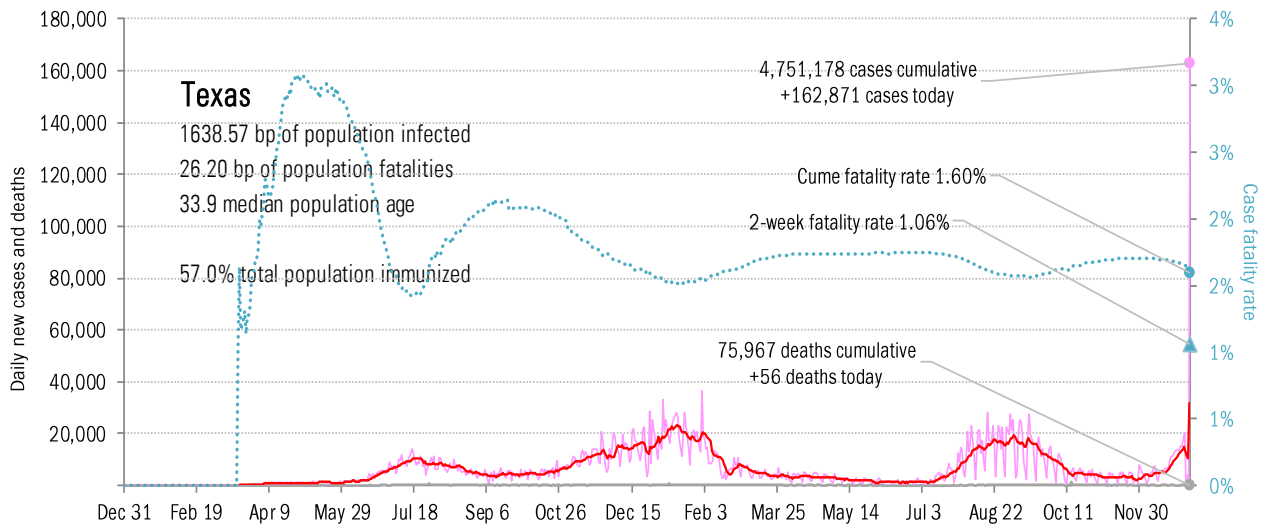
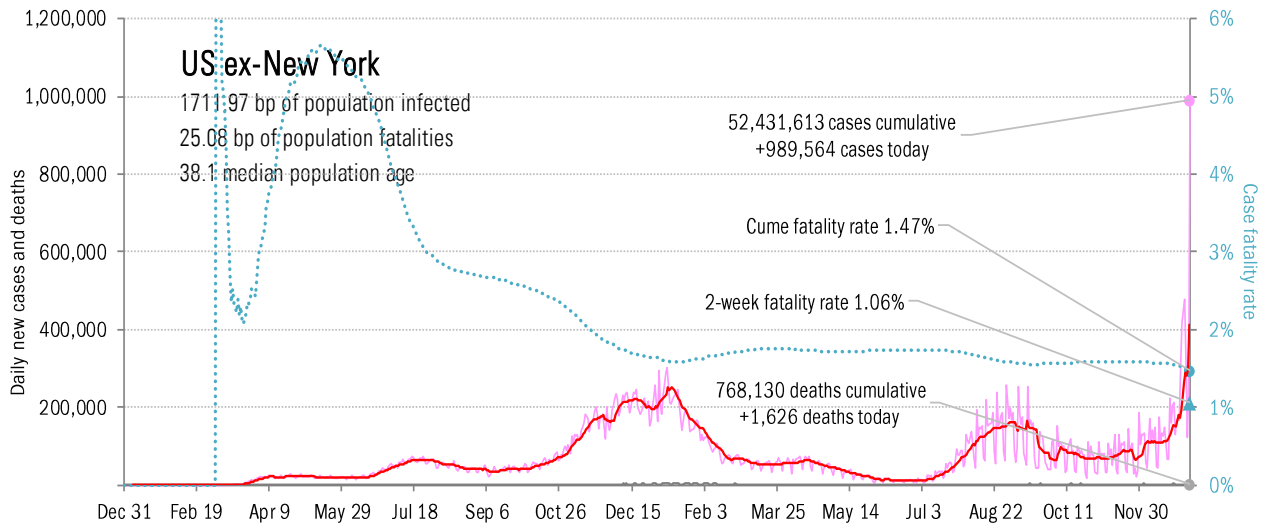
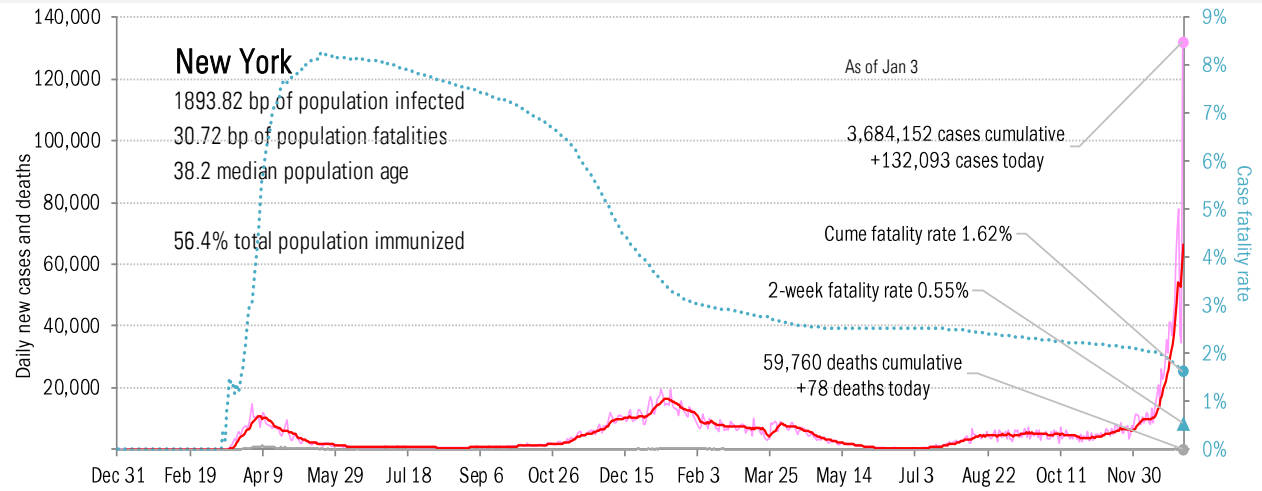
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

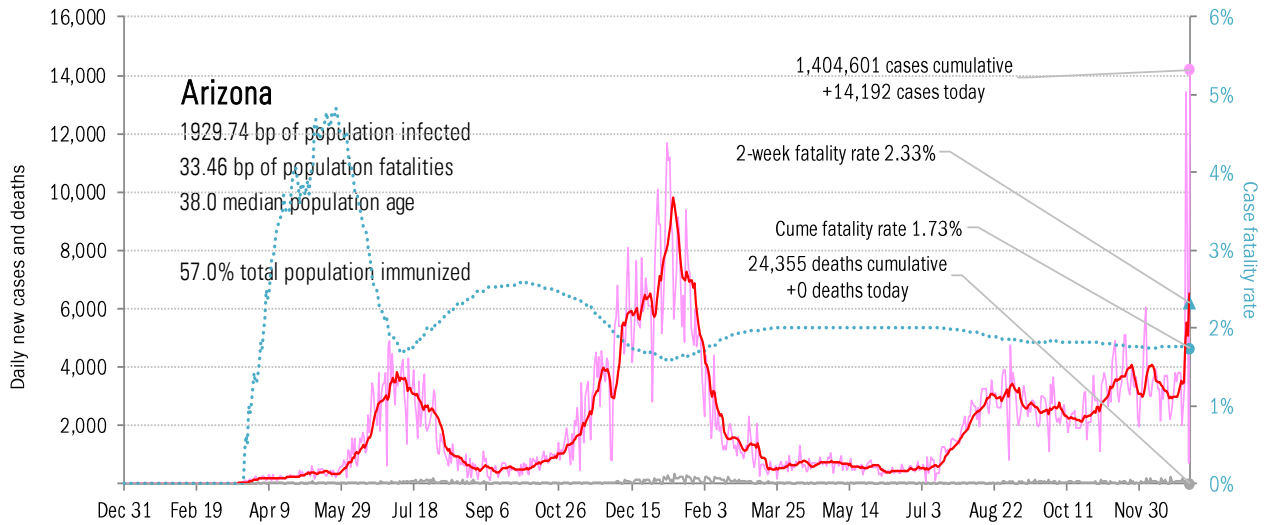
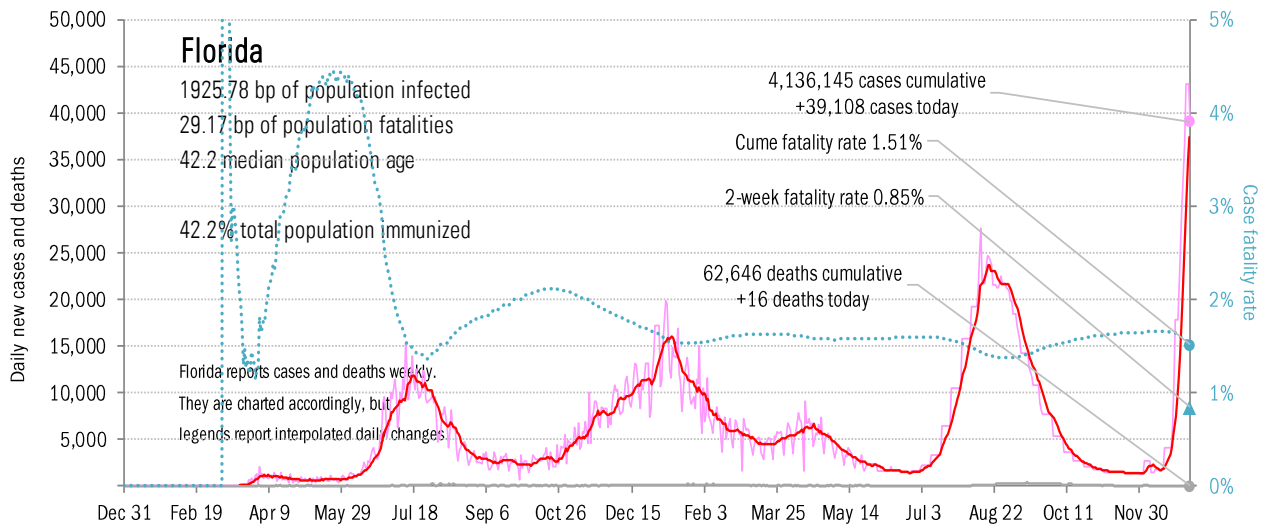
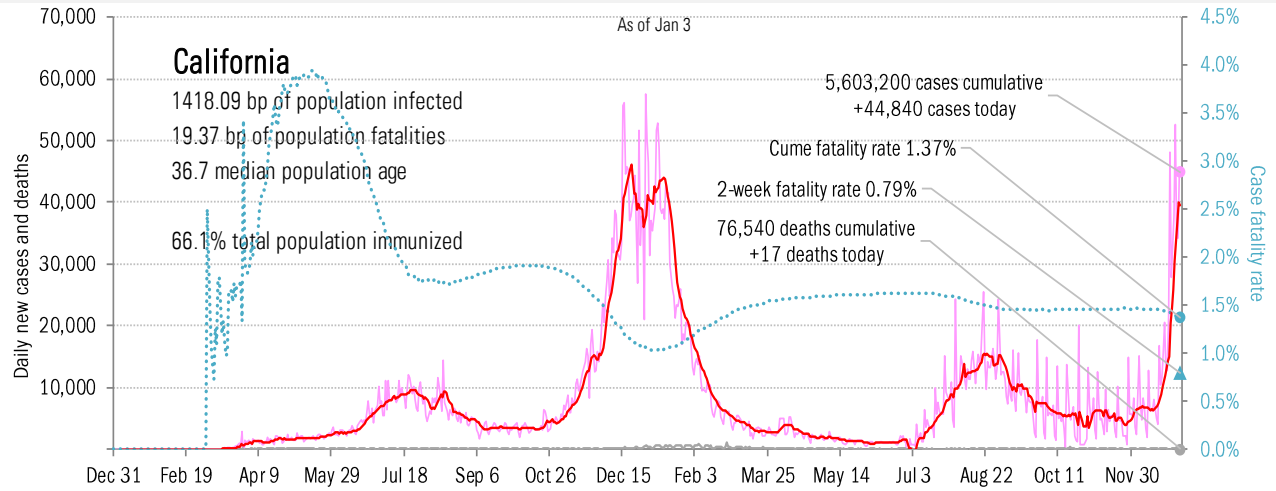
Cases: 7-day average and daily Deaths: Daily



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

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

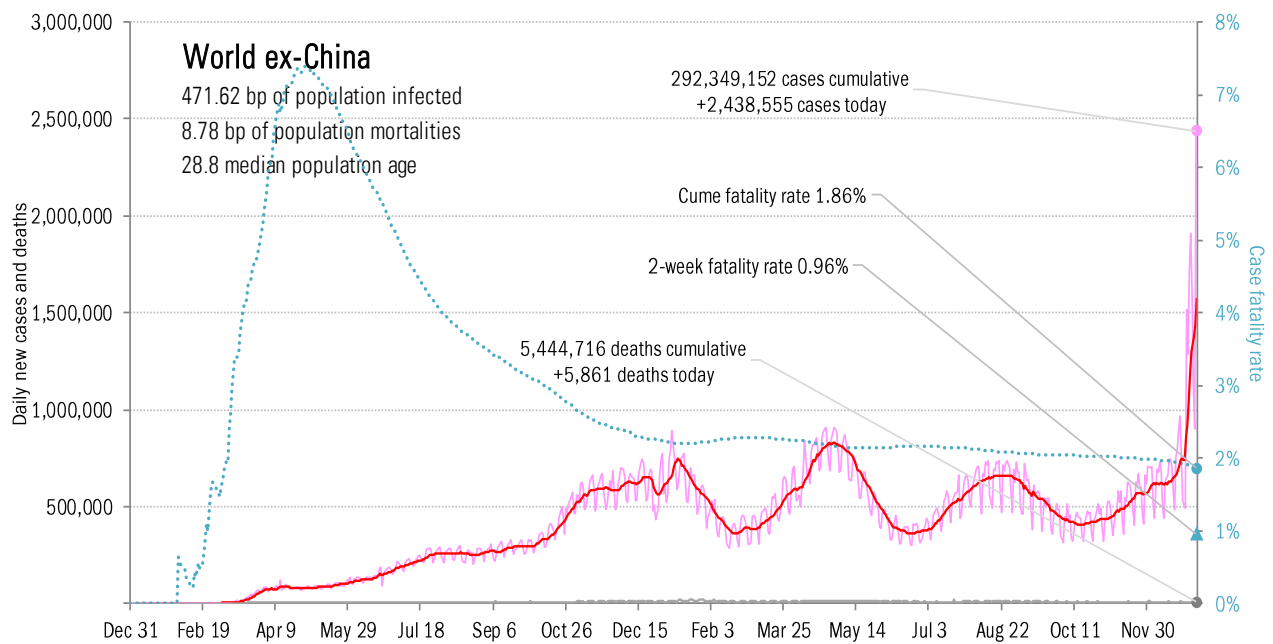
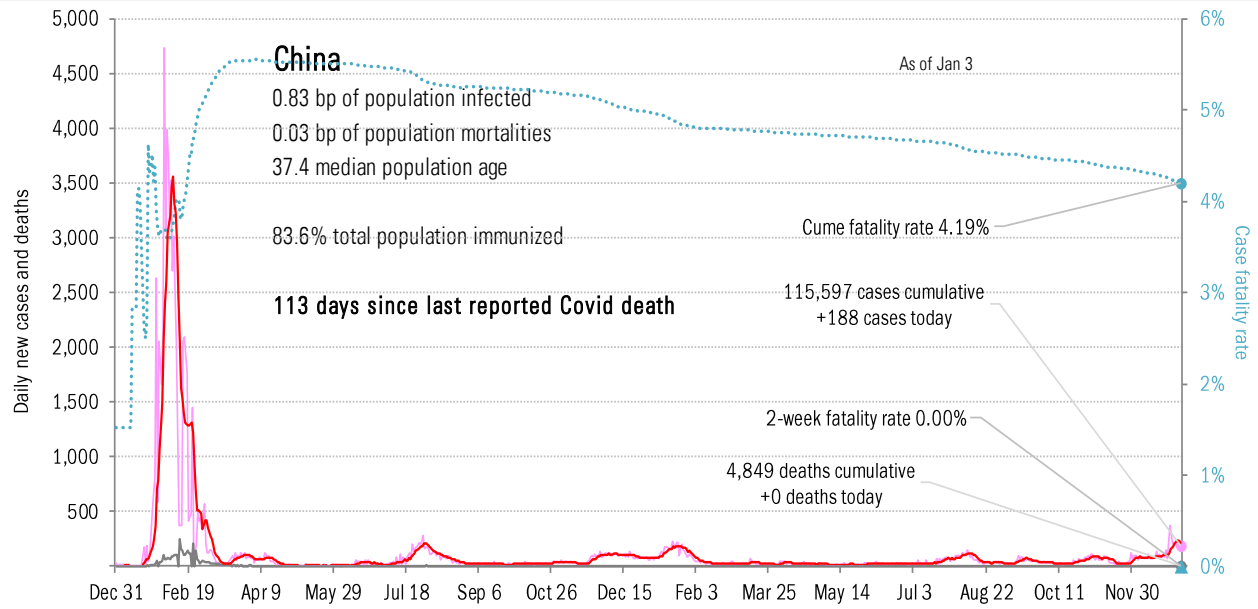
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

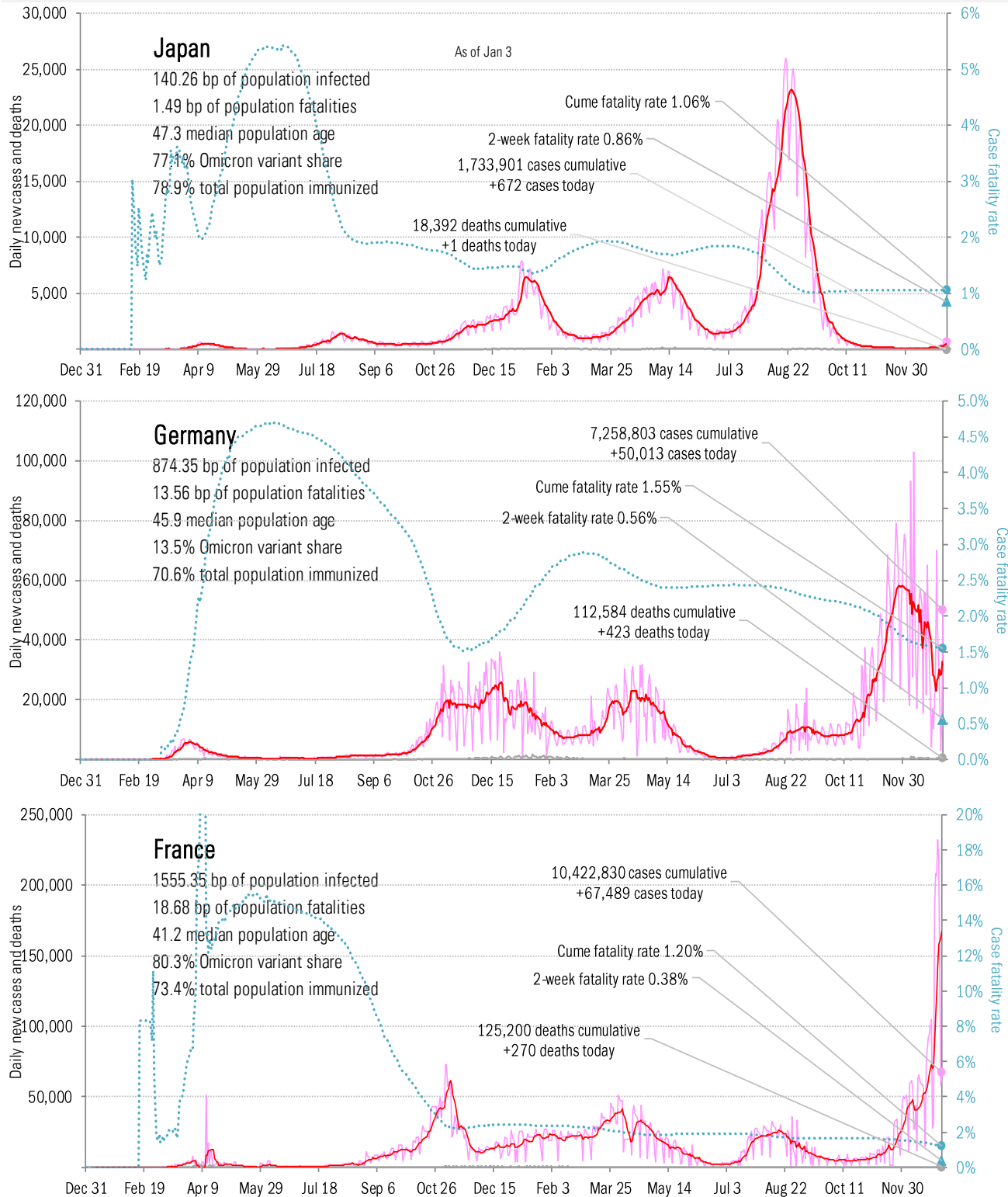
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

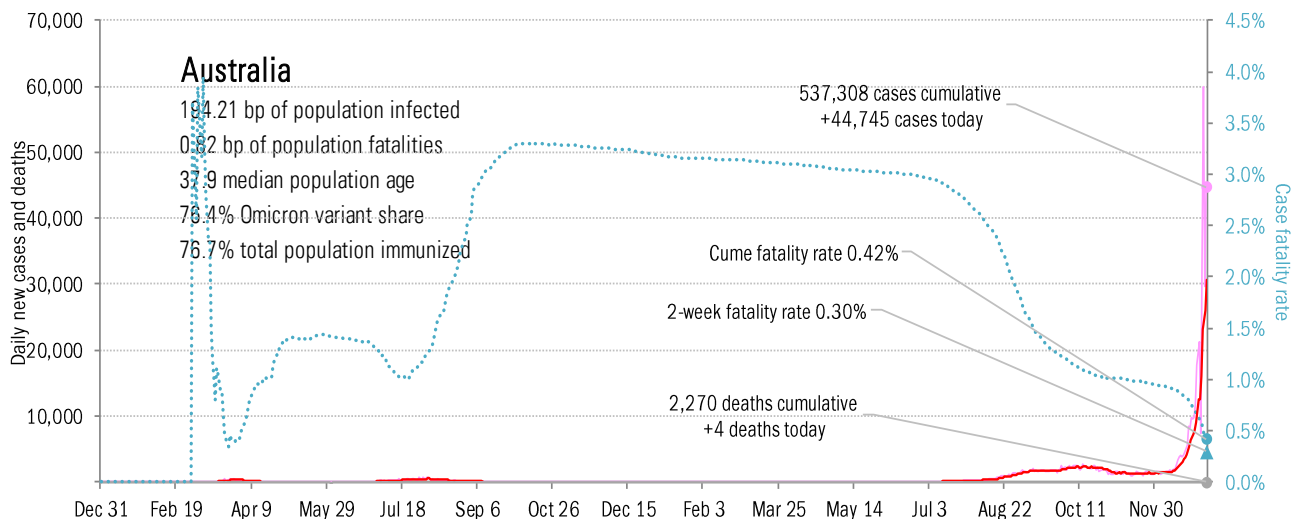
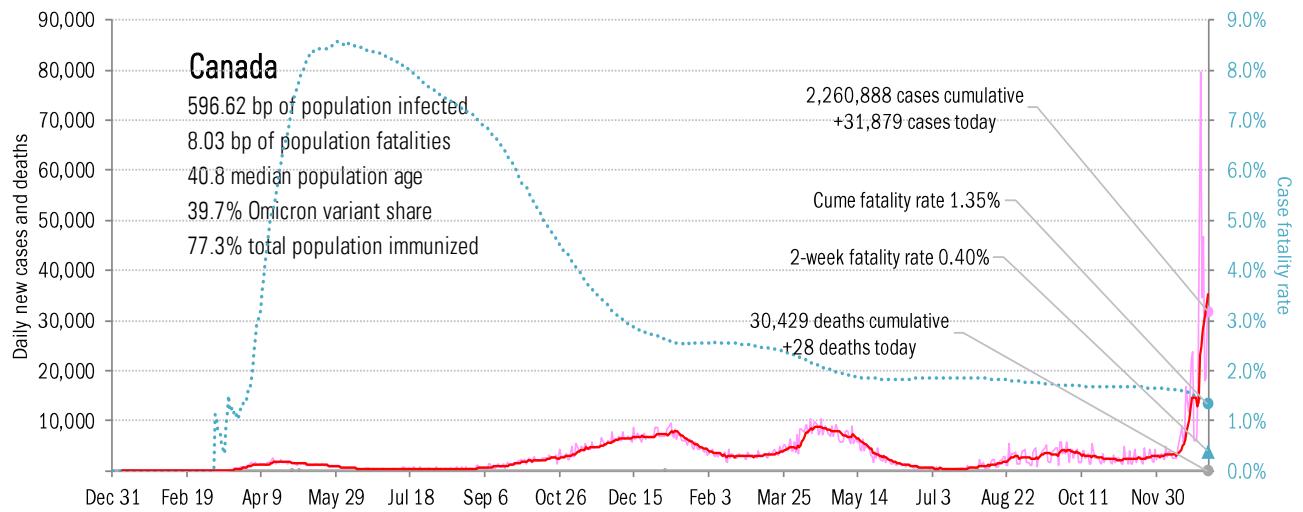
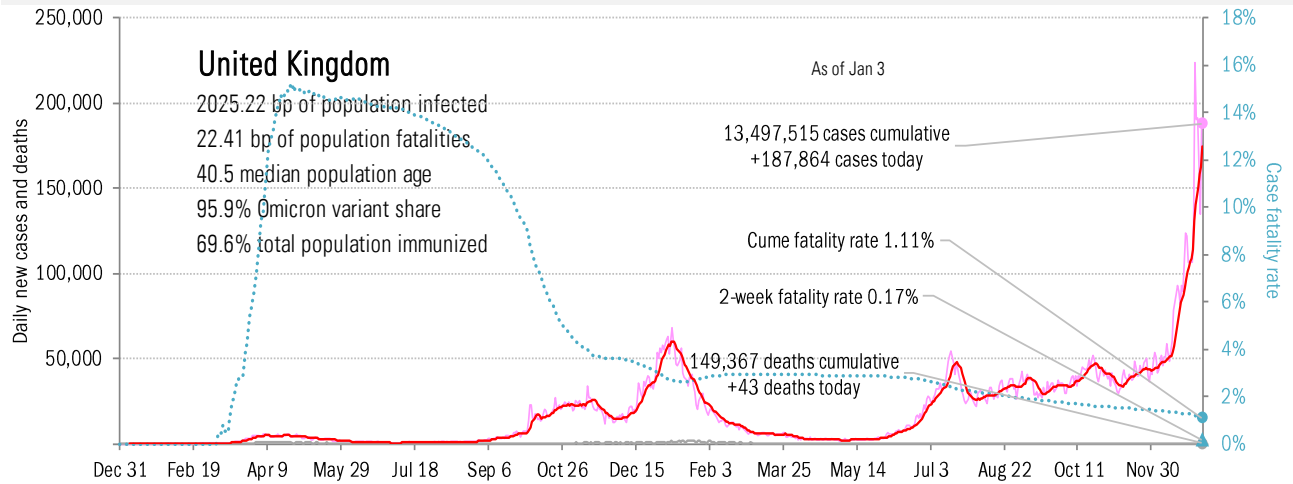
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

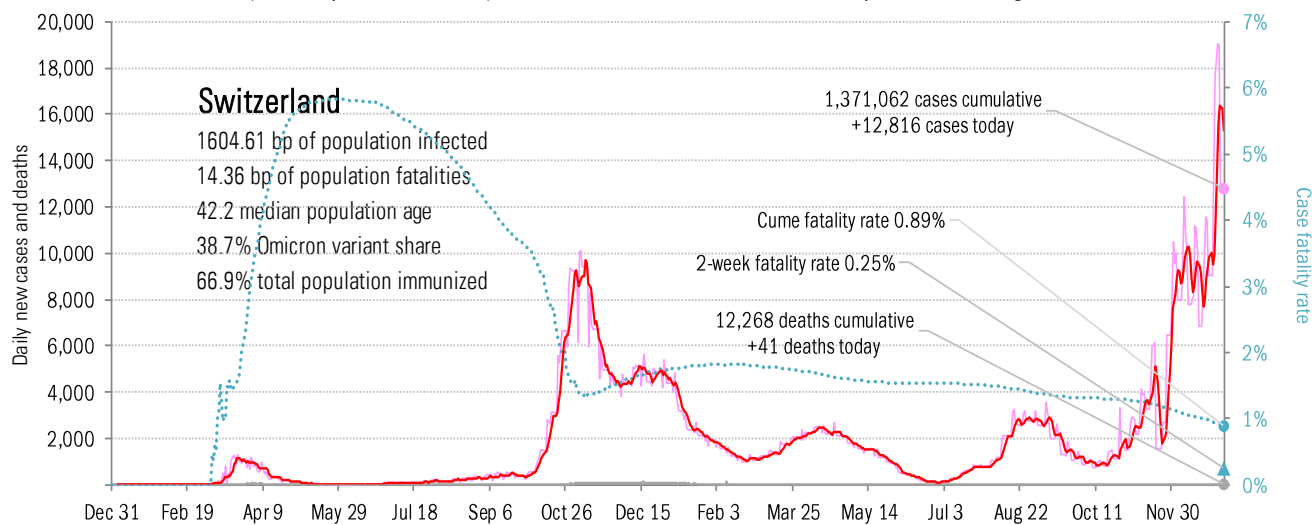
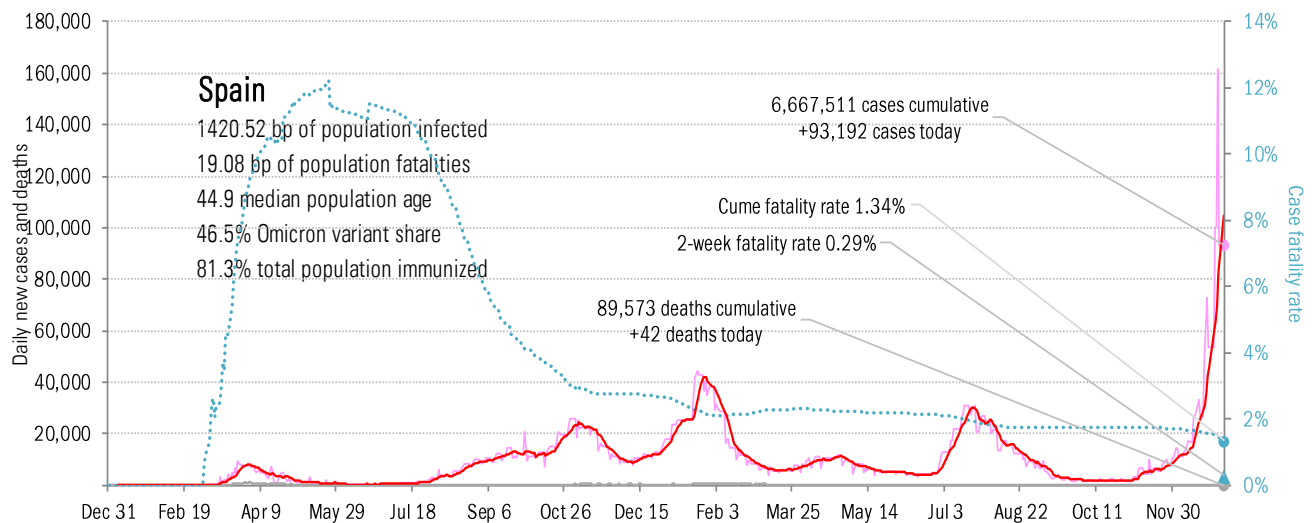
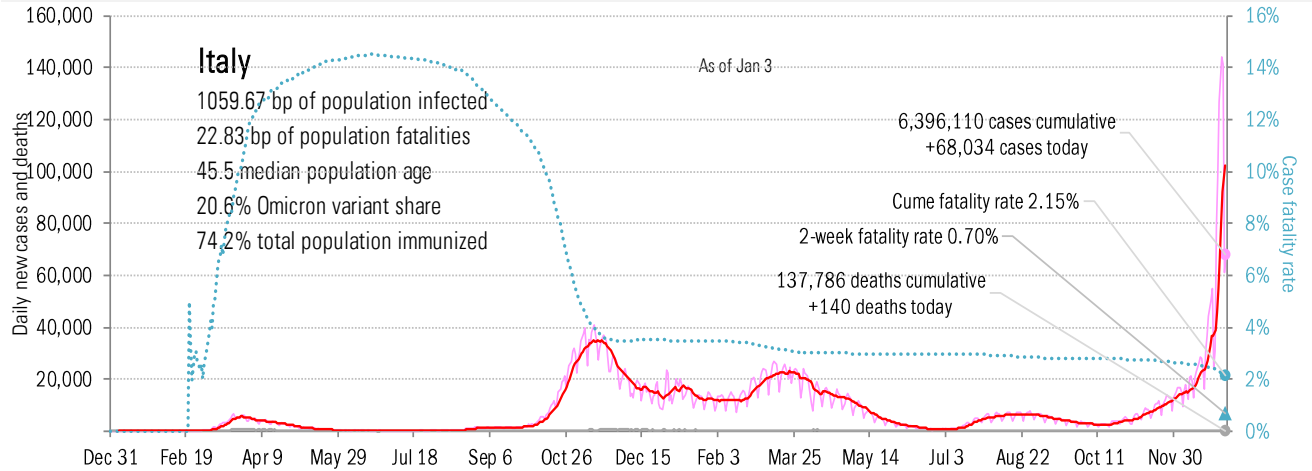


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

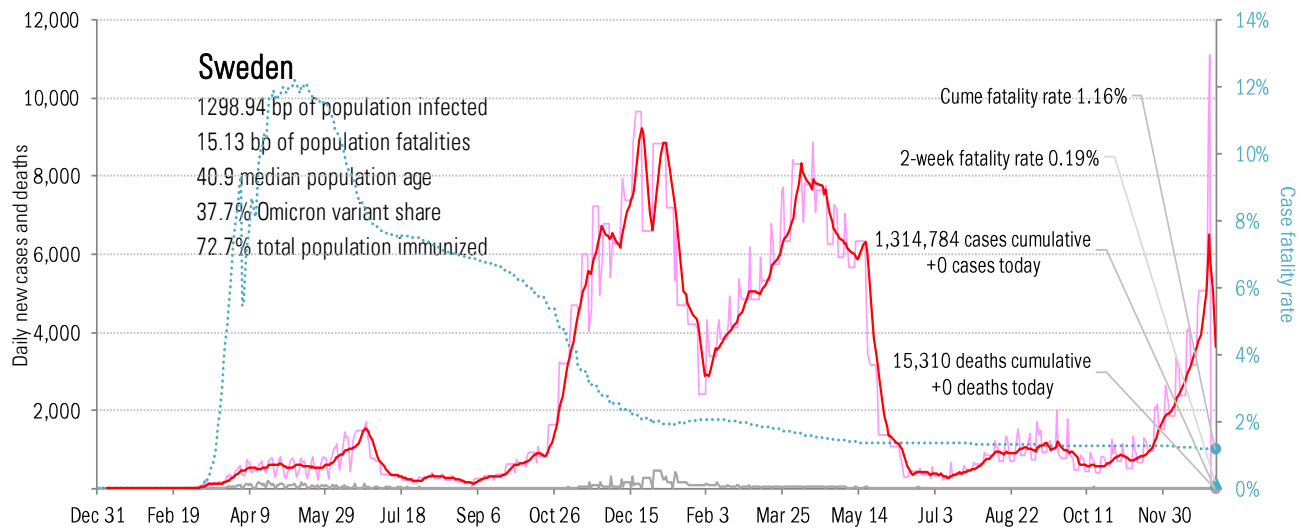
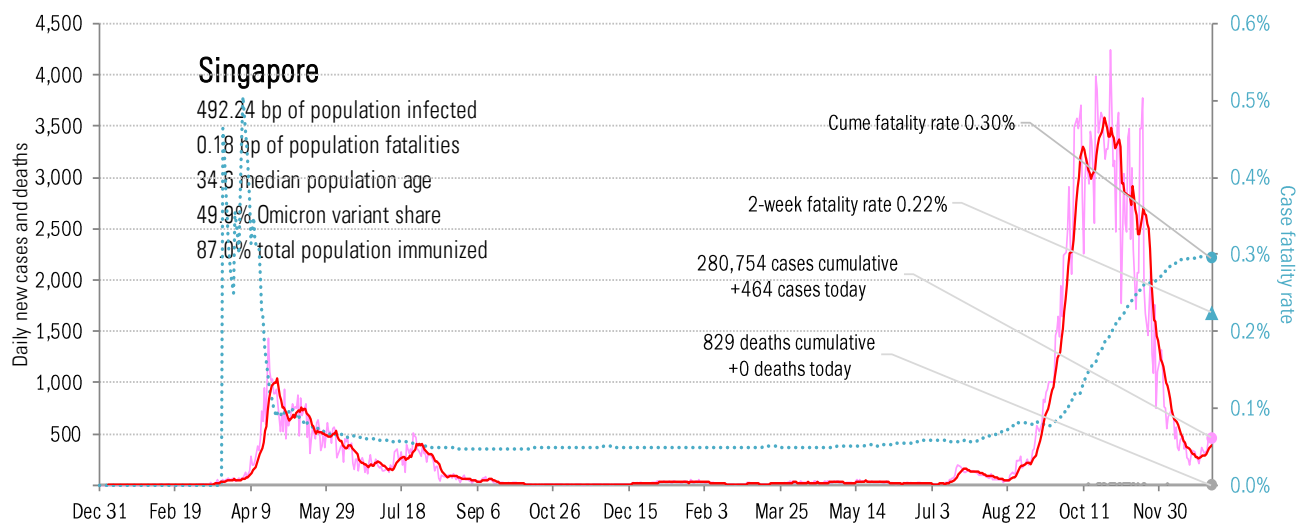
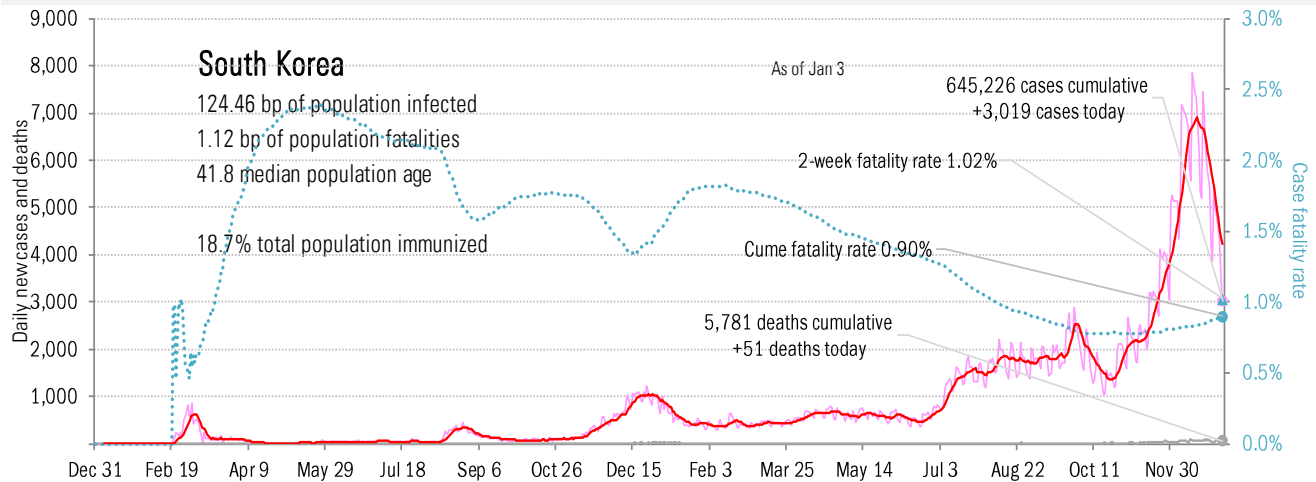
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

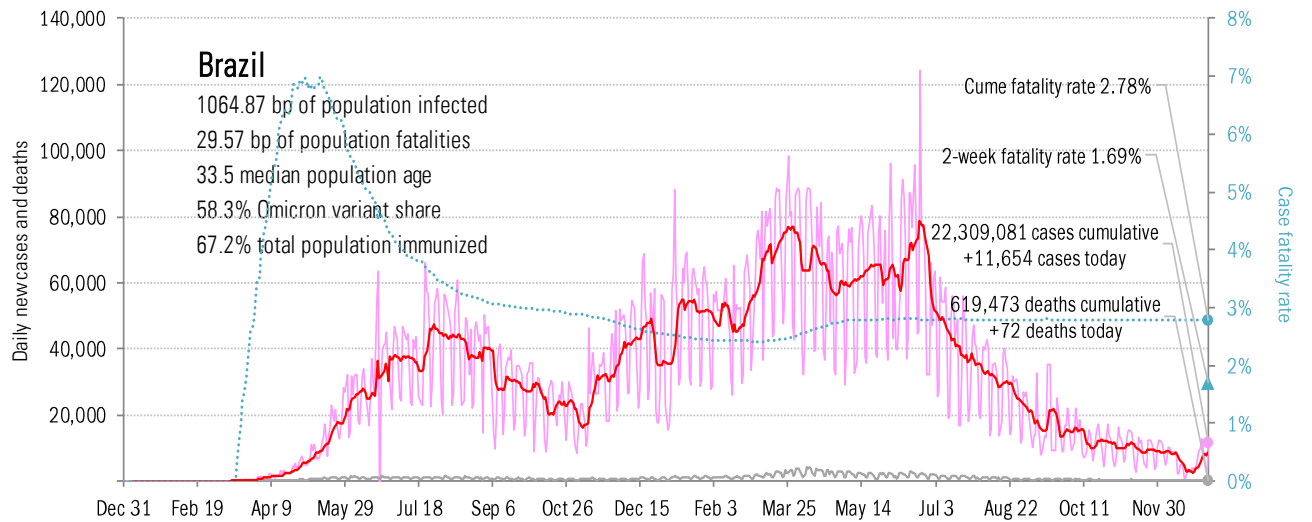
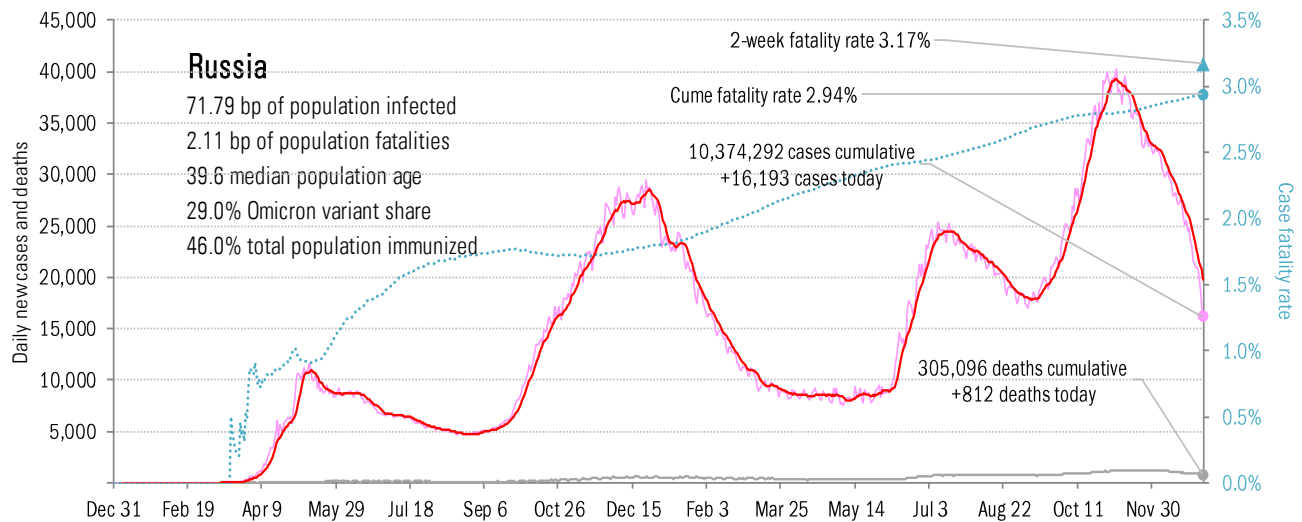
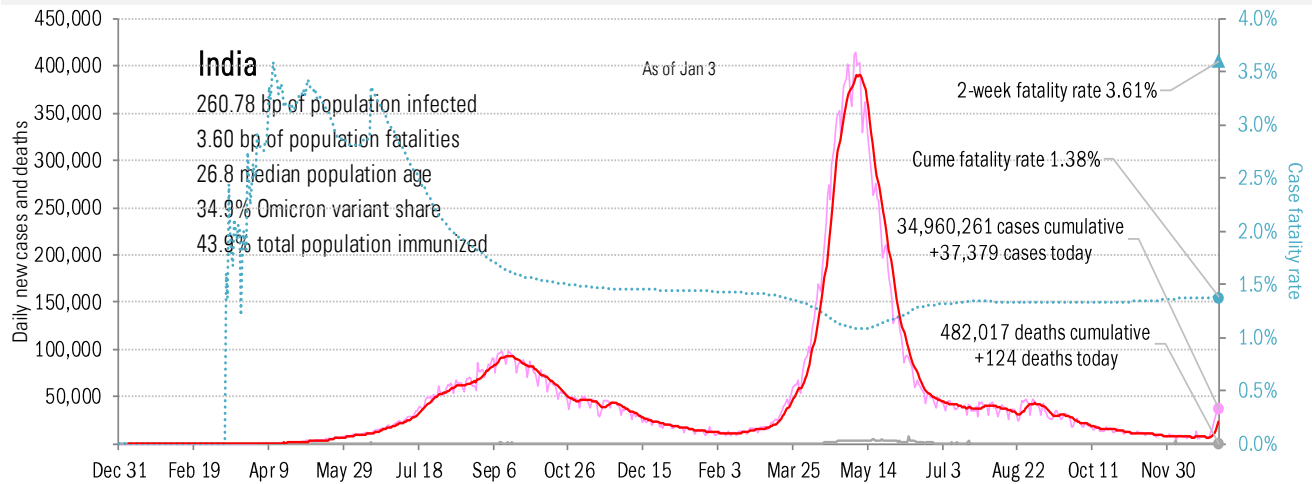
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

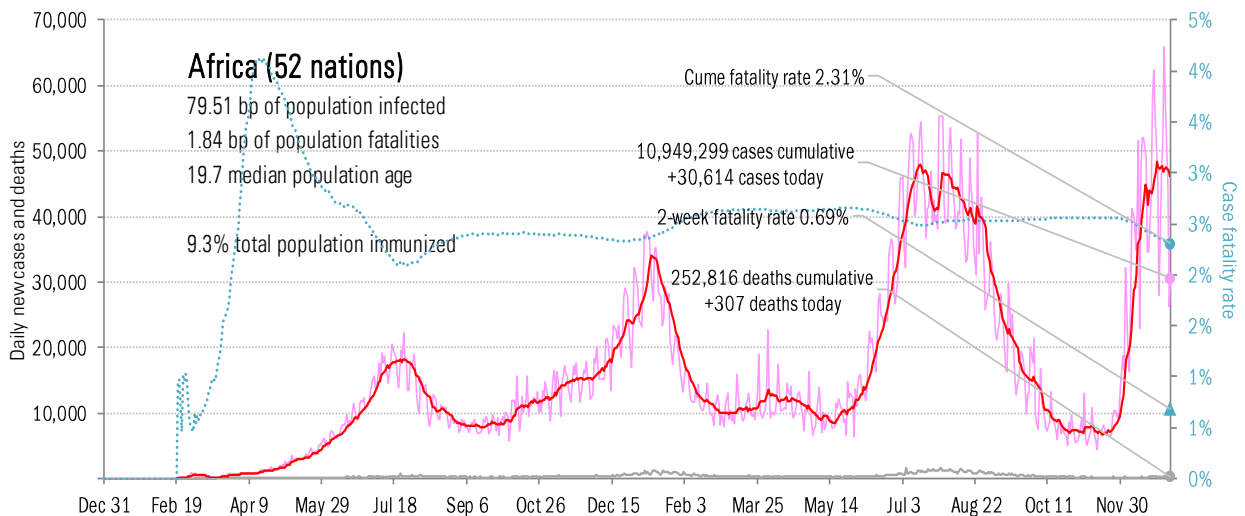
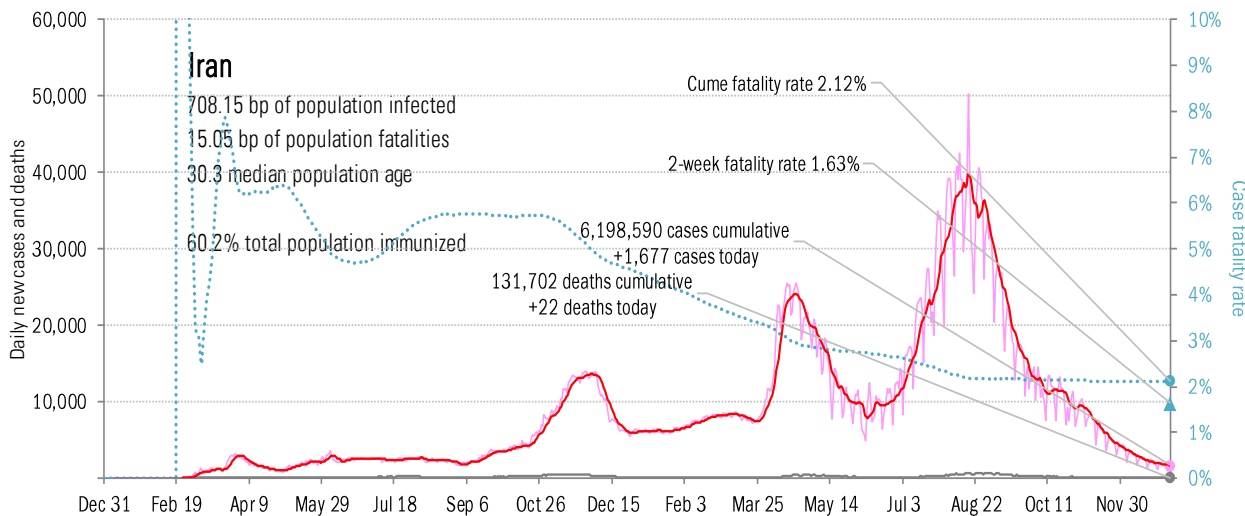
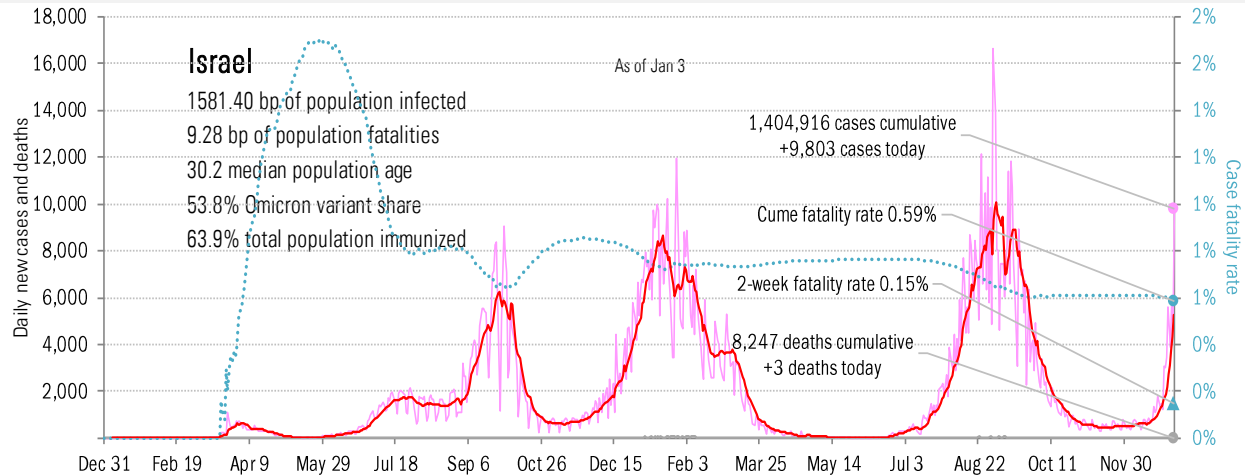
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

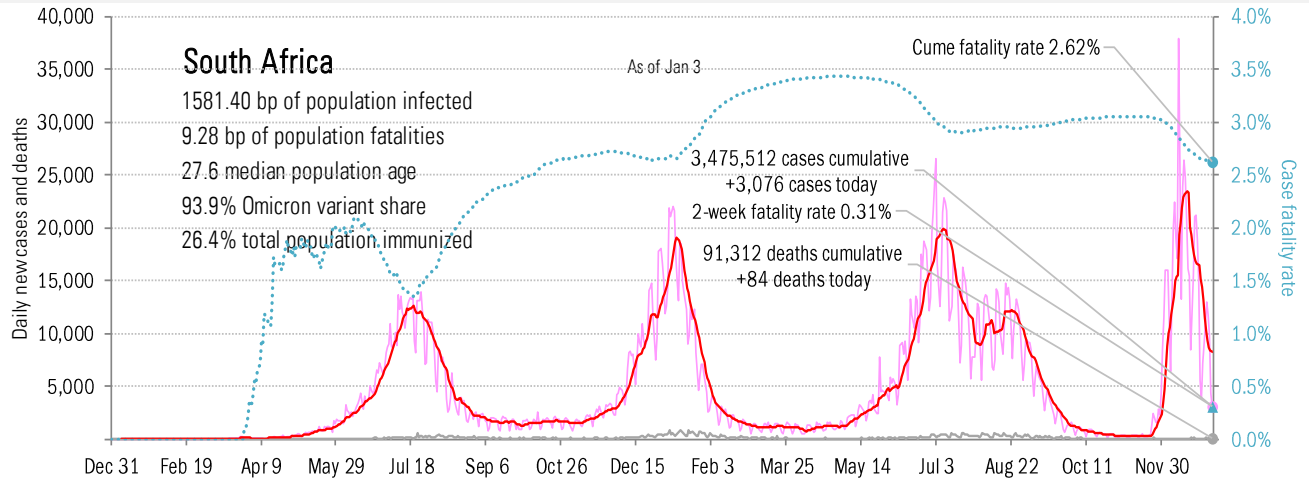
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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