

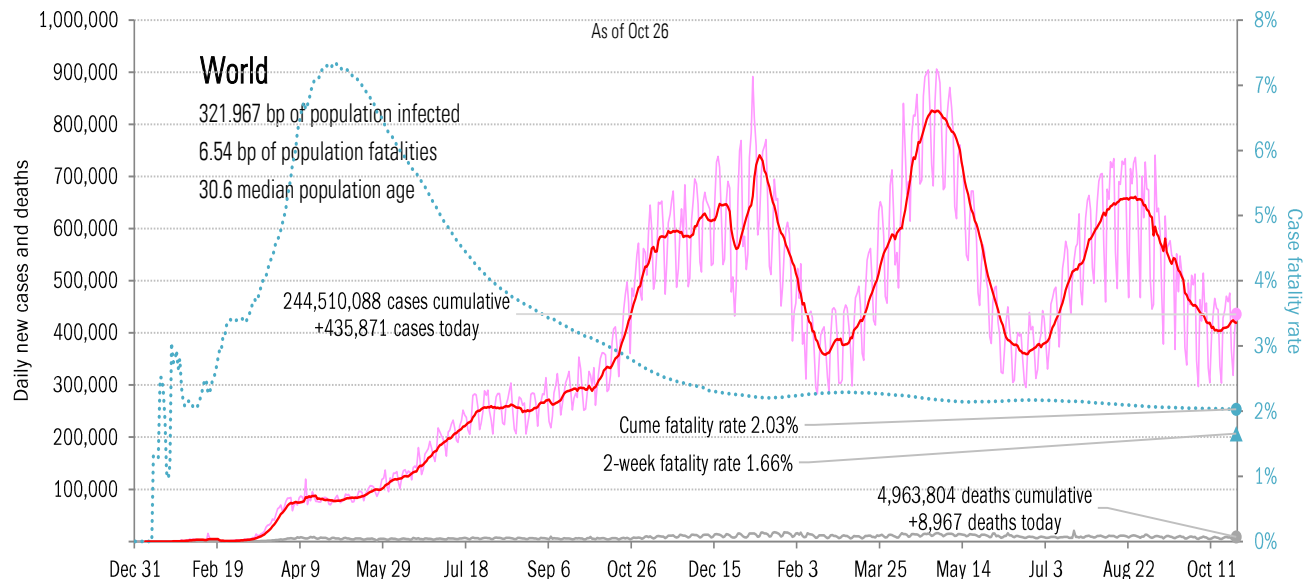
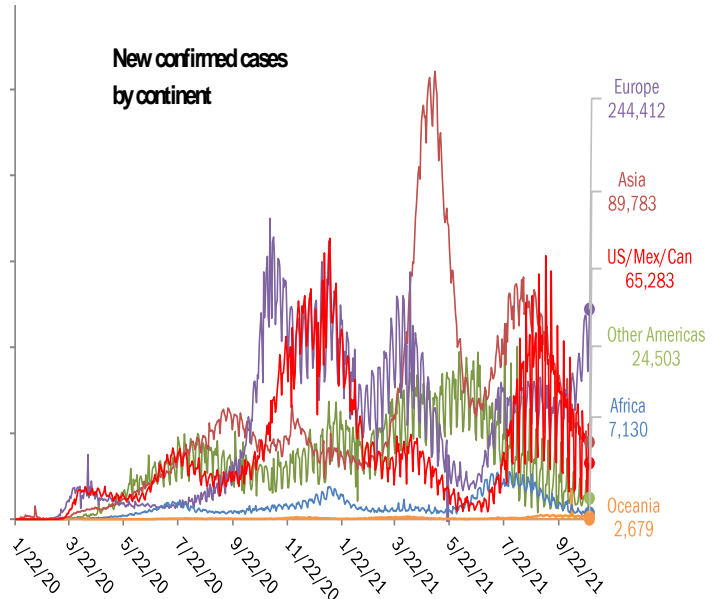
## Data Insights: Covid-2019 Monitor

Wednesday, October 27, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+63,944	United States	+1,648
United Kingdom	+43,739	Russia	+1,075
Russia	+35,454	Switzerland	+1,005
Germany	+31,402	Ukraine	+765
Turkey	+29,643	India	+585
Ukraine	+20,112	Romania	+523
Romania	+16,765	Brazil	+442
India	+13,451	United Kingdom	+263
Brazil	+13,424	Germany	+217
Iran	+9,096	Turkey	+215
<b>+277,030</b>		<b>+6,738</b>	
World	+435,871	World	+8,967
Top ten	64%	Top ten	75%



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

### For more information contact us:

Donald Luskin: 312 273 6766 [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

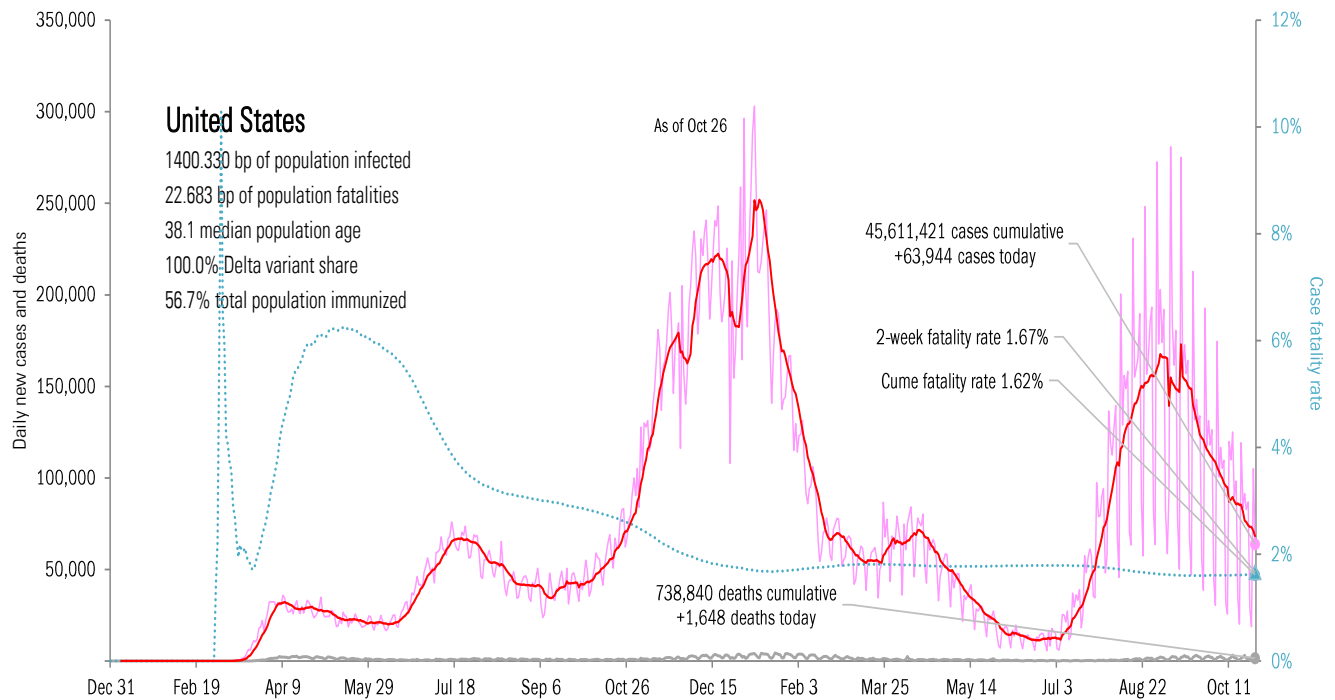
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
MN	+6,522		CH	+209		WA	+12		CA	4,854,041		CA	71,417		TX	372,752		MA	84%	NM	90%
TX	+5,763		TX	+151		IA	+11		TX	4,221,302		TX	70,486		FL	317,117		RI	84%	ID	88%
CH	+3,807		FL	+113		MN	+9		FL	3,681,061		FL	58,896		CA	307,578		PA	83%	KY	86%
PA	+3,742		AZ	+102		CR	+9		NY	2,540,255		NY	56,302		NY	162,412		WA	81%	CO	85%
TN	+3,699		GA	+98		AK	+7		IL	1,688,261		PA	31,055		GA	158,462		MD	81%	NE	84%
WI	+2,917		TN	+84		CT	+5		GA	1,629,337		GA	28,737		CH	121,601		MI	80%	AL	84%
CO	+2,452		PA	+79		GA	+2		PA	1,544,463		IL	28,115		PA	115,043		WV	79%	RI	84%
NY	+2,432		MO	+52		ND	+1		CH	1,527,976		NJ	27,896		KY	110,501		NY	79%	TX	83%
IL	+2,213		VA	+48		FR	+1		NC	1,470,495		CH	24,164		IL	103,878		CR	78%	NH	83%
FL	+2,081		MT	+46		VI	+1		TN	1,276,257		MI	23,366		MI	89,862		GA	78%	AK	83%
<b>+35,628</b>			<b>+982</b>			<b>+58</b>			<b>24,433,448</b>			<b>420,434</b>			<b>1,859,206</b>						
All states	+63,944			+1,648			-1193		All states	45,611,421			738,840			3,319,350		All states	70%		67%
Top ten	56%			60%			-5%		Top ten	54%			57%			56%		Median	75%		77%

Some states not reporting

## Five most improved US states

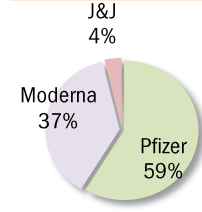
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-8,572	CA	-119	CH	-90	GA	+30 bp
CA	-4,975	NC	-81	AZ	-58	MT	+20 bp
CO	-4,434	SC	-81	FL	-56	NE	+20 bp
NC	-4,405	MI	-57	PA	-56	WA	+20 bp
WA	-4,195	KY	-56	KY	-44	CO	+10 bp



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

# Rolling out the vaccines in the US and the world

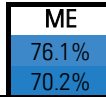
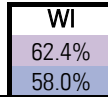
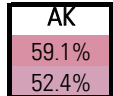
Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	426,679,111		+0.712 million		US	56.7%	65.6%	
	One dose	% Pop	Immune	% pop	New immune today	UK	66.8%	72.9%
Total population	226,290,884	68%	195,788,452	59%	+0.092 million	France	67.7%	75.6%
Age 12 to 17	14,164,301	60%	11,741,552	49%	+0.010 million	Spain	79.7%	81.3%
Age 18 to 64	156,487,526	77%	135,159,240	66%	+0.072 million	Germany	65.7%	68.6%
Age 65 and over	54,533,532	99%	47,976,031	87%	+0.010 million	Italy	71.0%	77.1%
						Australia	61.6%	73.4%
						Israel	65.1%	70.8%
						Canada	73.8%	78.2%
						Japan	70.5%	77.1%
						Africa	5.6%	8.5%
						India	22.2%	51.8%
						Brazil	54.3%	74.2%
						China	73.9%	76.2%



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

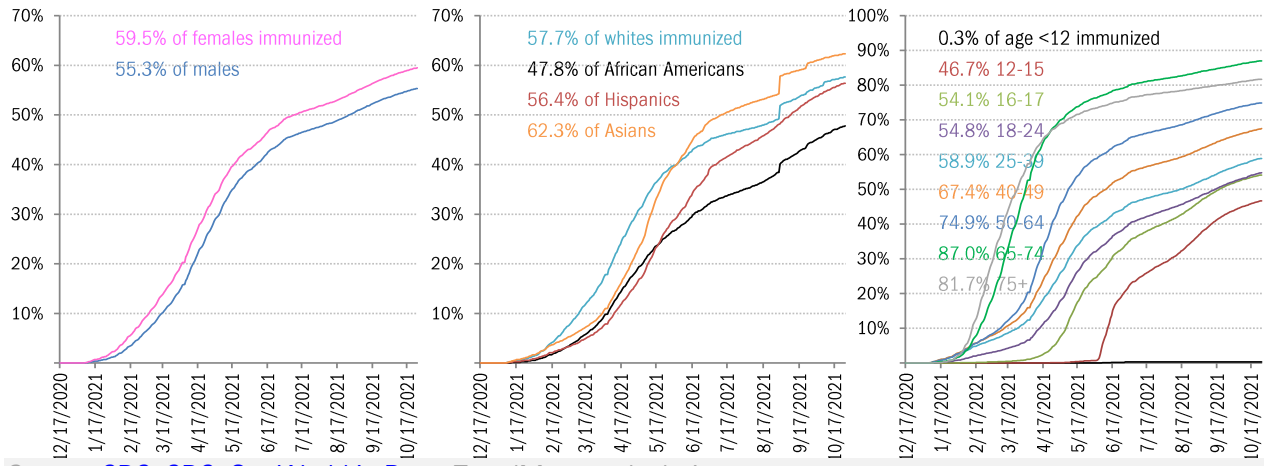


Every American >18 immune in **96 days** by Jan 30, 2022  
 70.9% of population >18 immunized  
 16.2% previously tested positive  
**87.2%** vs 60% adult herd immunity



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
69.1%	48.7%	56.5%	52.9%	64.8%	69.6%	57.9%	73.7%	79.3%	74.5%	
63.2%	43.5%	50.2%	45.9%	59.6%	54.4%	53.3%	66.3%	70.9%	62.7%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
68.1%	62.9%	50.5%	61.2%	59.4%	53.5%	55.6%	76.7%	74.6%	79.6%	
62.6%	52.6%	43.6%	52.2%	55.3%	49.6%	51.6%	60.2%	66.1%	69.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
74.1%	60.8%	67.3%	60.7%	56.5%	62.6%	48.8%	70.6%	72.6%	78.5%	77.6%
60.9%	53.1%	61.3%	56.1%	49.5%	54.5%	41.0%	62.7%	65.9%	70.4%	70.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	60.9%	71.7%	62.0%	57.6%	54.3%	63.3%	57.1%	73.7%	68.7%	
	52.8%	61.9%	52.9%	47.7%	47.4%	52.3%	49.6%	62.1%	59.6%	
			OK	LA	MS	AL	GA			
			58.9%	53.6%	51.7%	54.1%	56.6%			
			49.7%	47.4%	45.3%	44.4%	47.9%			
			TX					FL		PR
			61.1%					68.8%		81.8%
			53.1%					59.4%		73.3%

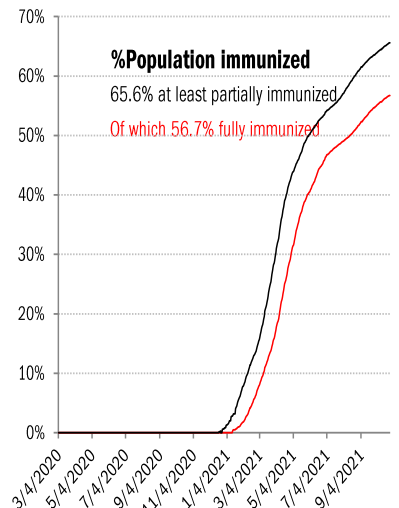
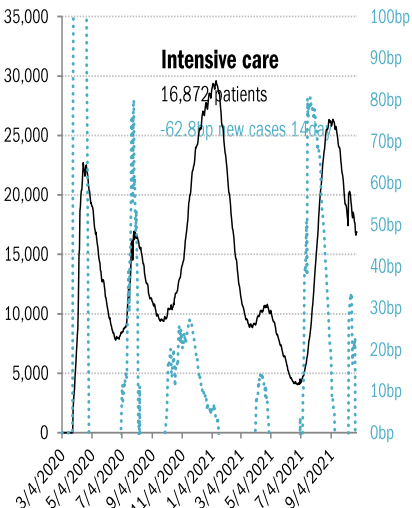
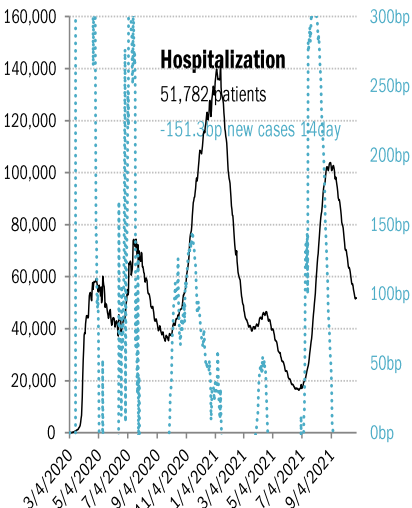
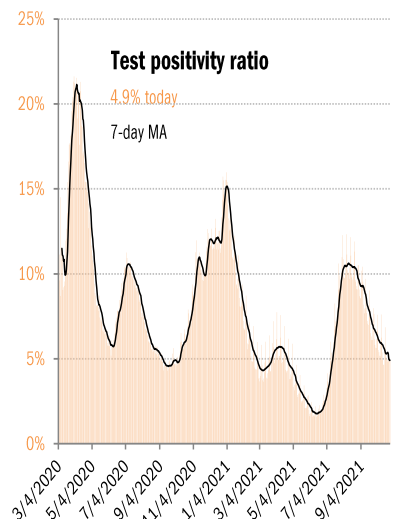
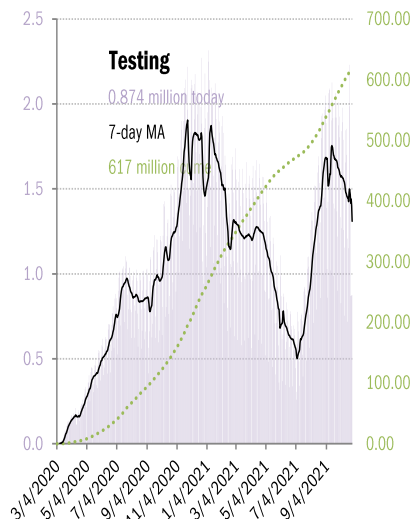
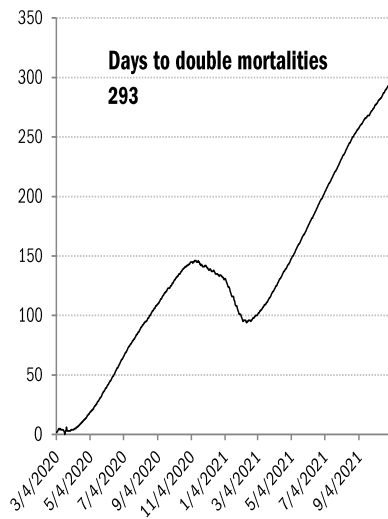
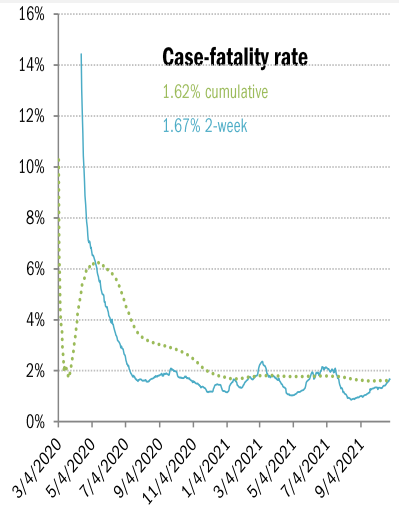
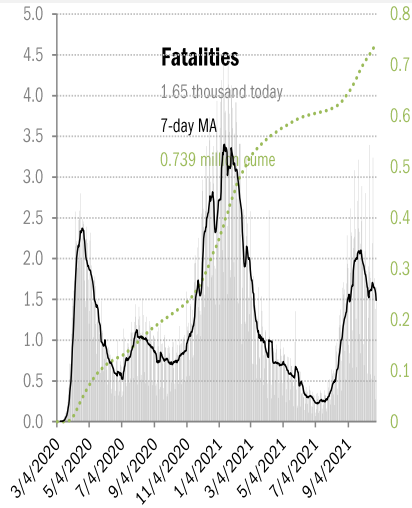
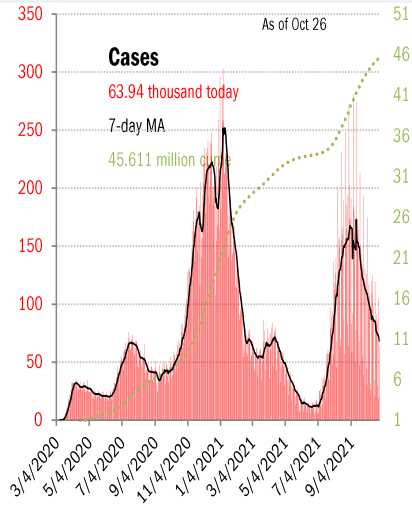
## The demographics of US vaccination



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

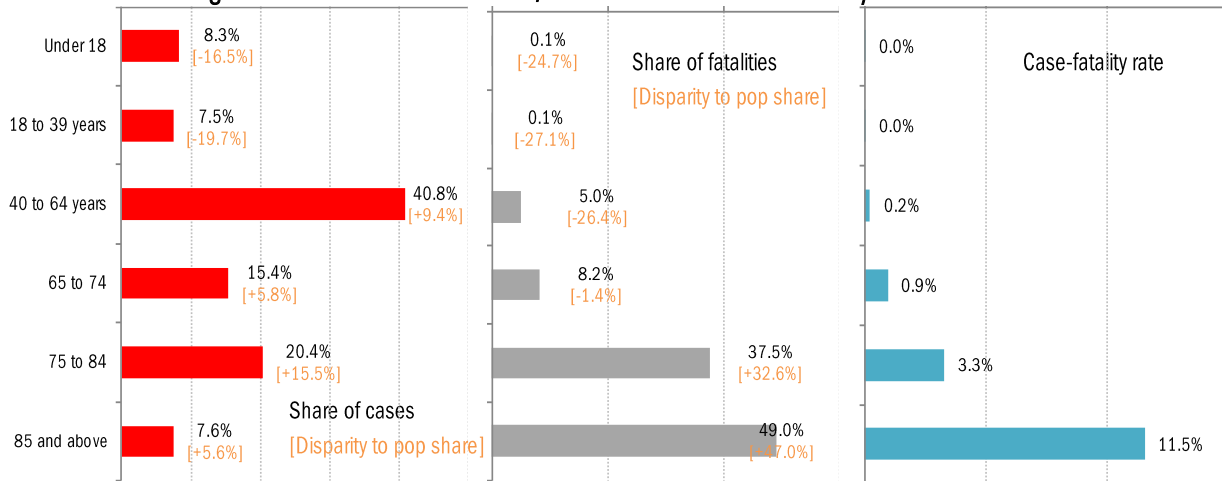
# US deep-dive

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

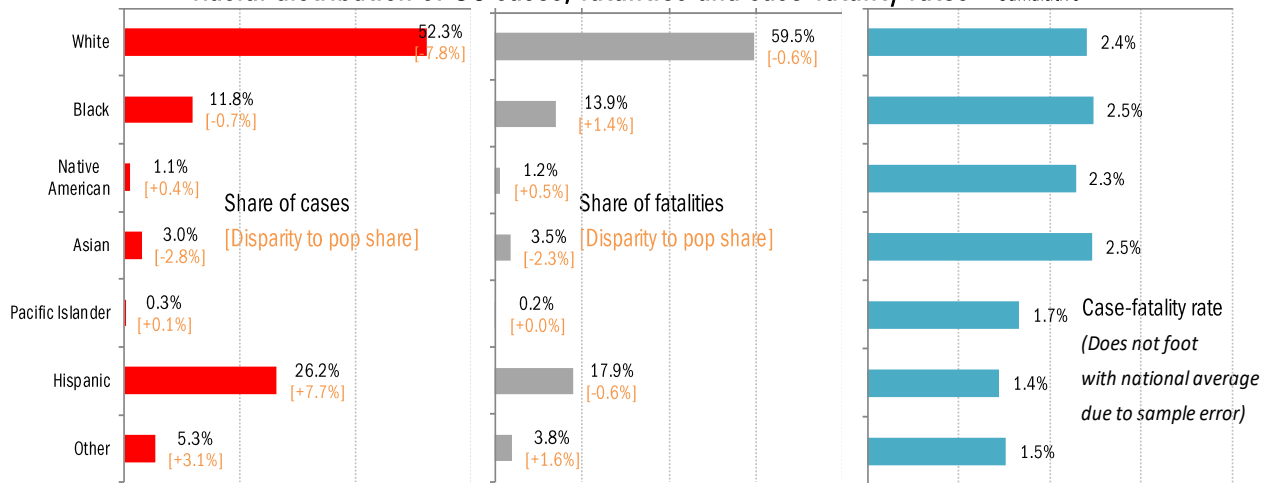


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

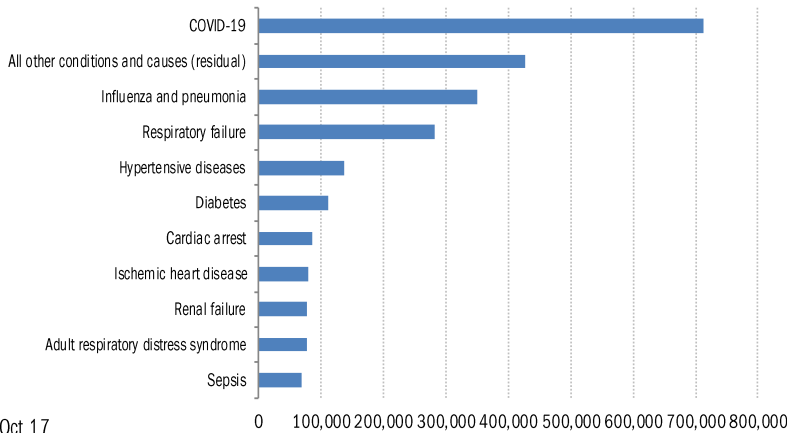


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Oct 17

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.

## Recommended reading

[Moderna chairman says booster could be yearly](#)

Monique Beals  
*The Hill*  
October 26, 2021

[CDC says some immunocompromised people can get fourth COVID shot](#)

Ivana Saric  
*Axios*  
October 26, 2021

[F.D.A. Panel Recommends Covid Shots for Children 5 to 11](#)

Sharon LaFraniere and Noah Weiland  
*New York Times*  
October 26, 2021

[Austria considers Covid lockdown for the unvaccinated ONLY that would confine people without jabs to their homes except for 'authorised' reasons](#)

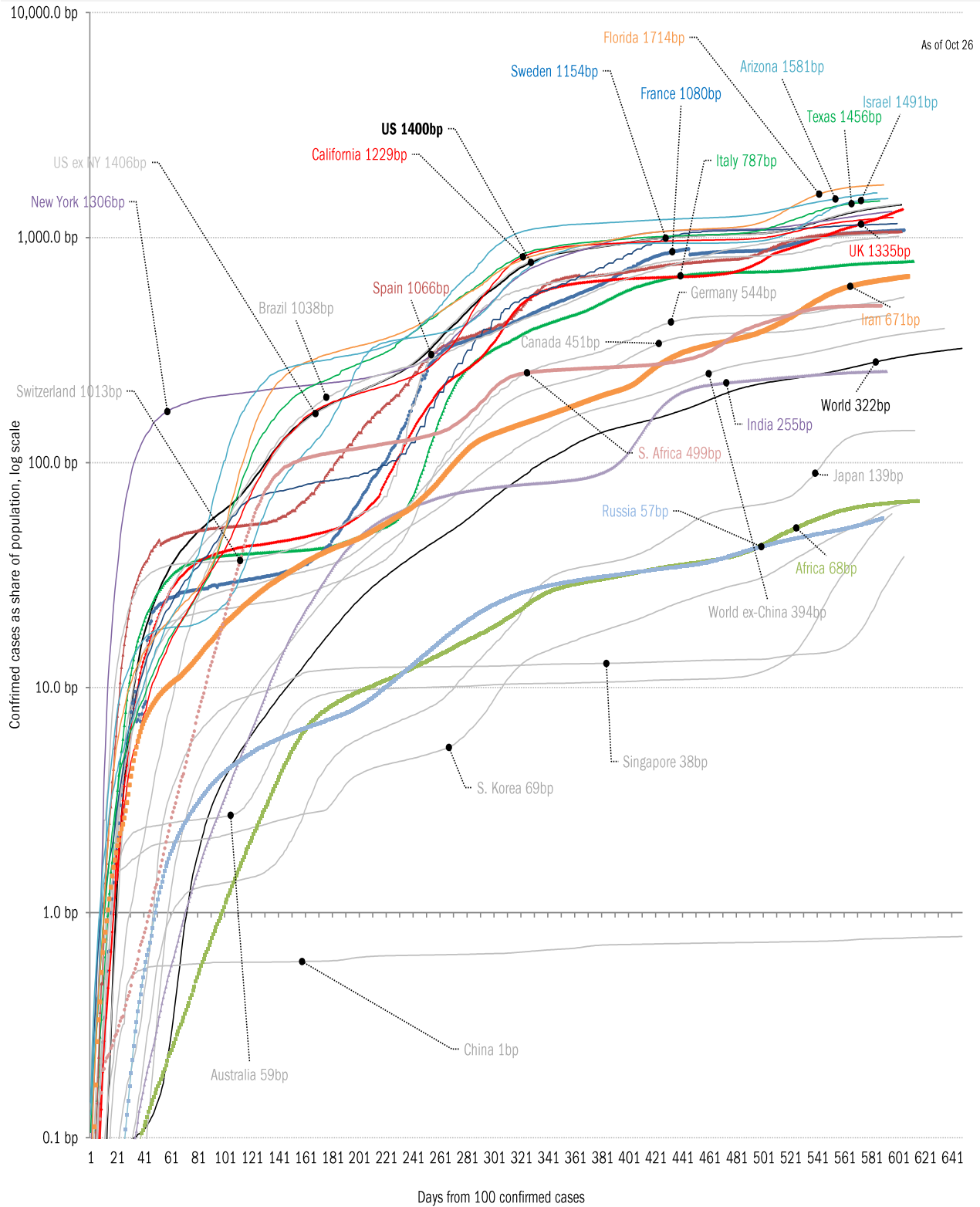
Lauren Lewis  
*Daily Mail*  
October 23, 2021

## Meme of the day



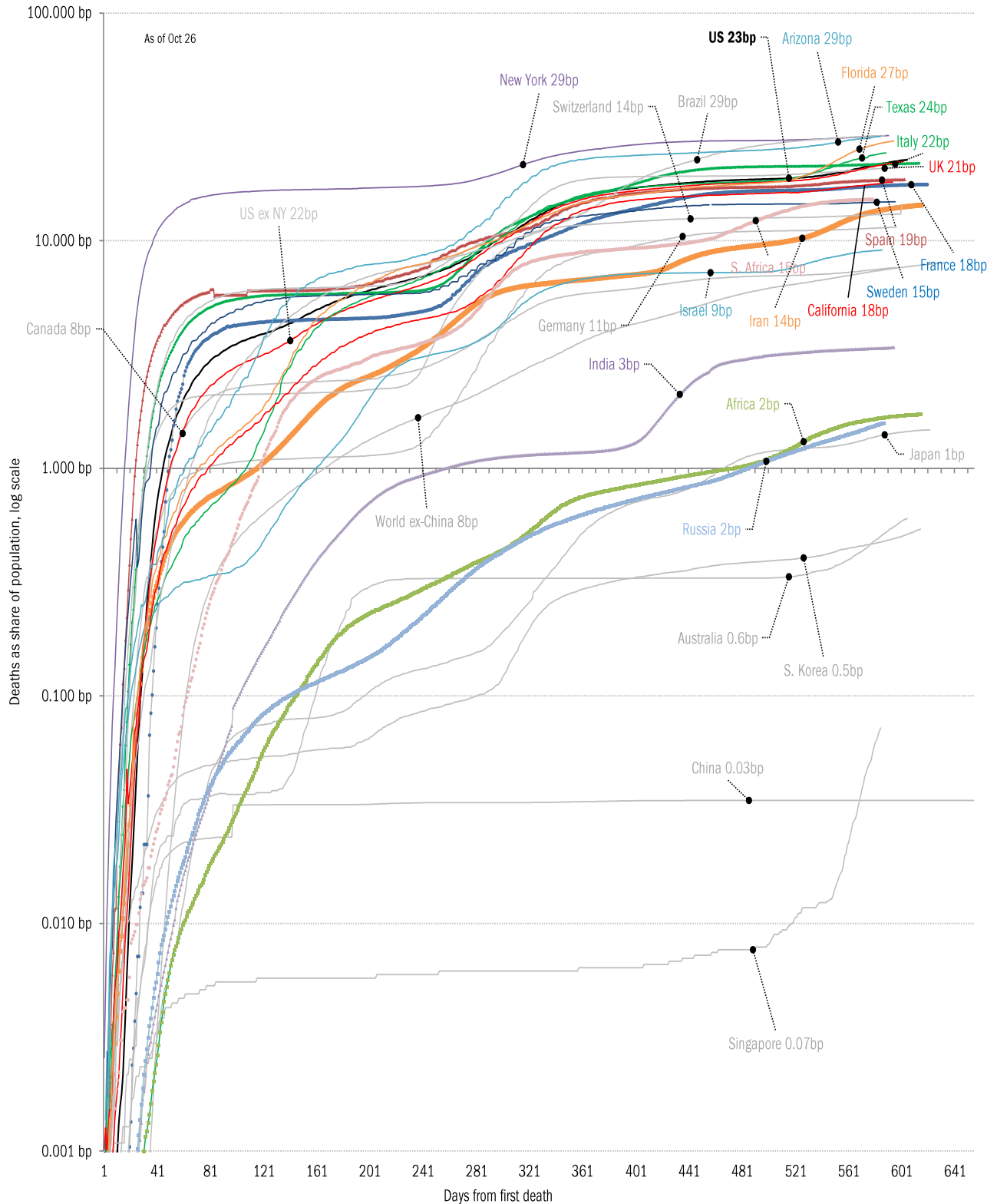
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



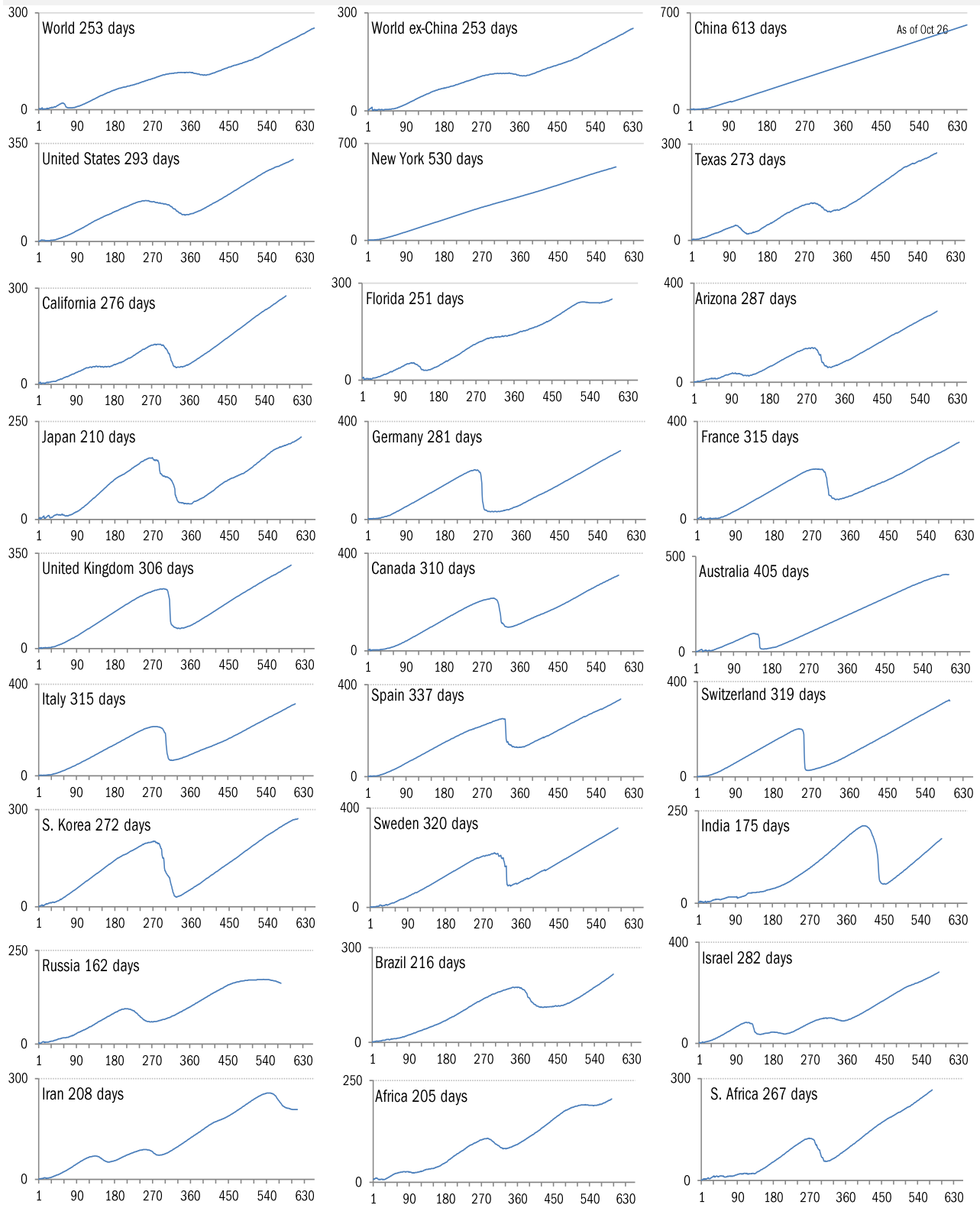
Source: [Johns Hopkins](#), TrendMacro calculations



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

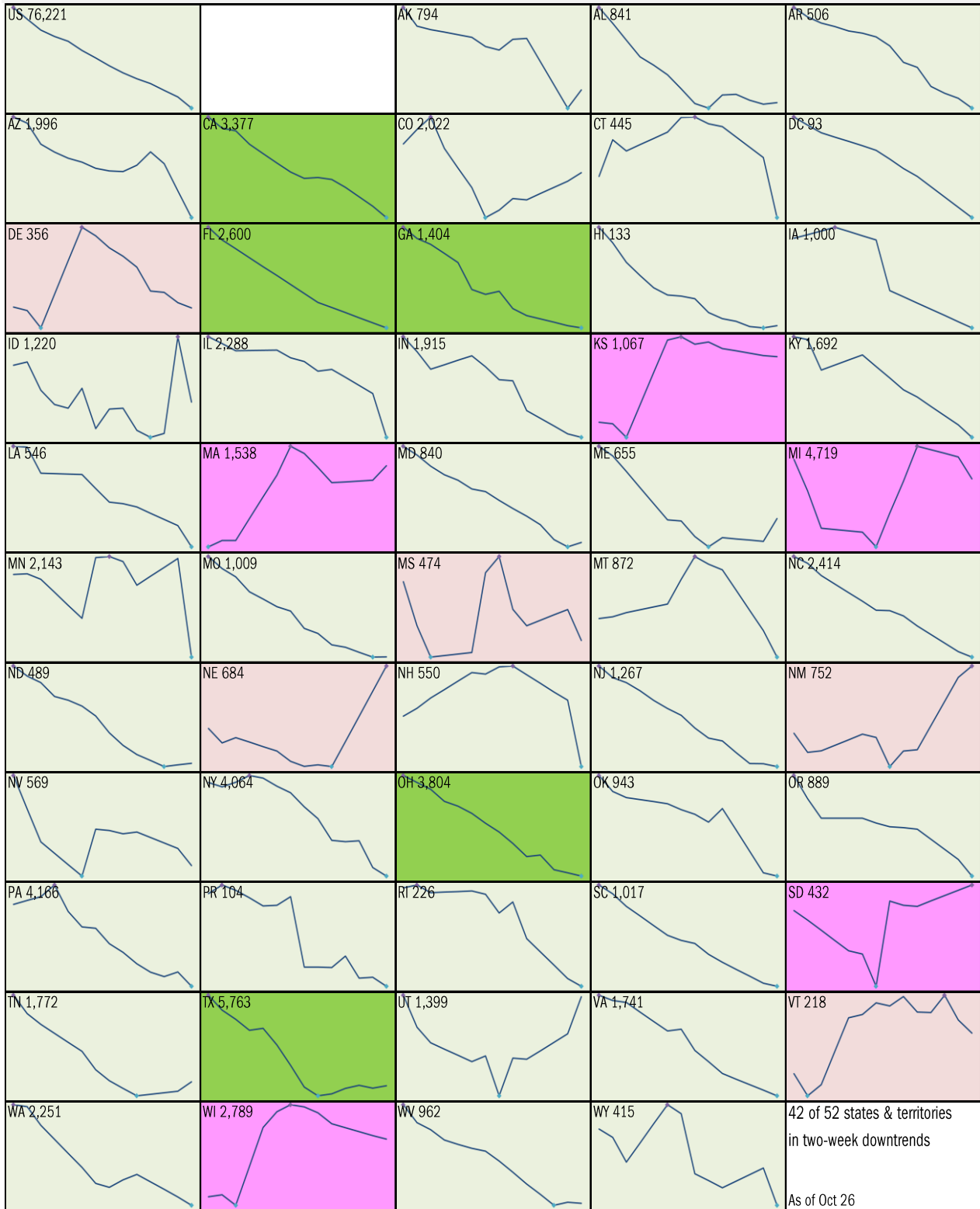
Vertical: days to double deaths Horizontal: days from first death

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



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

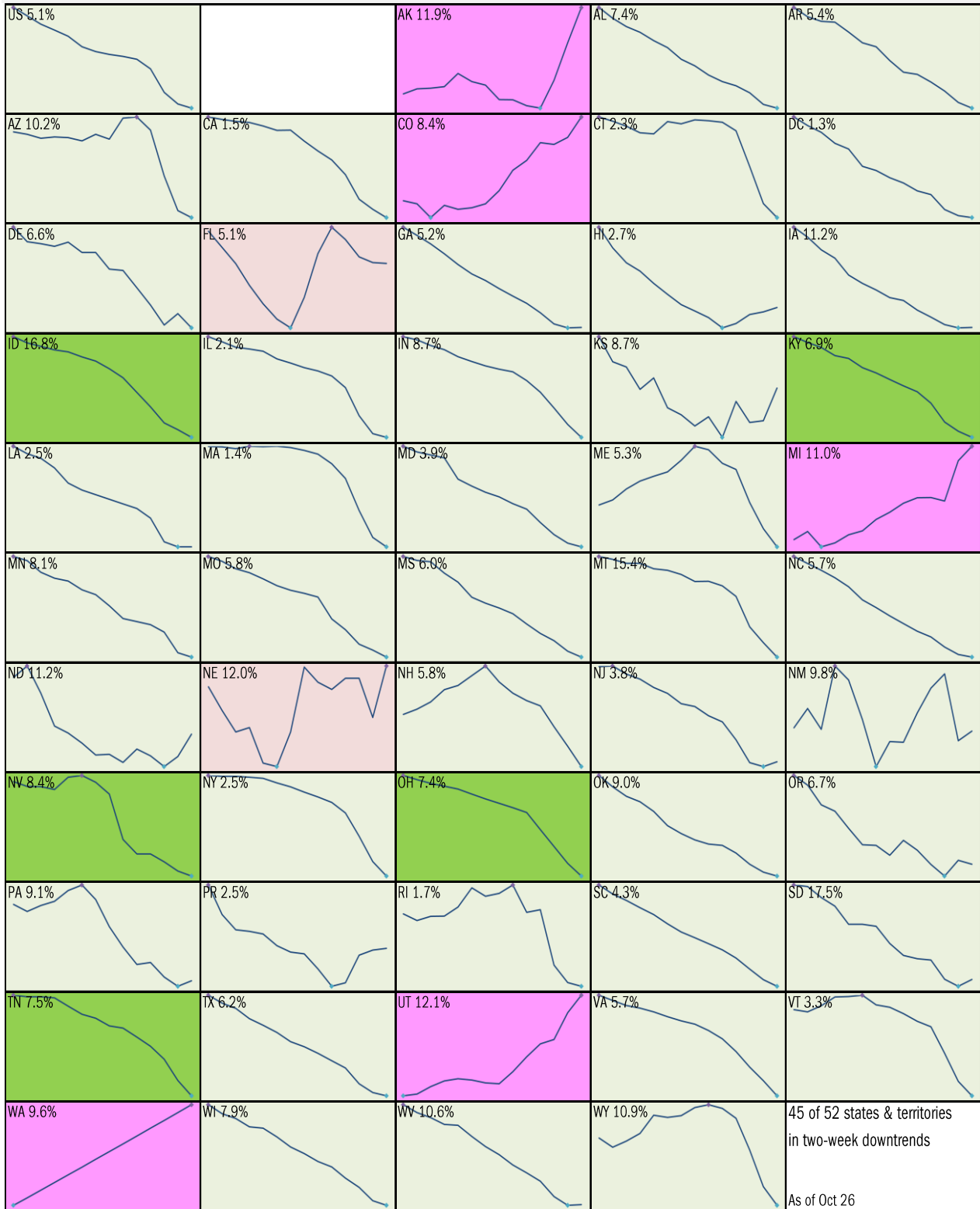
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases  
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

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

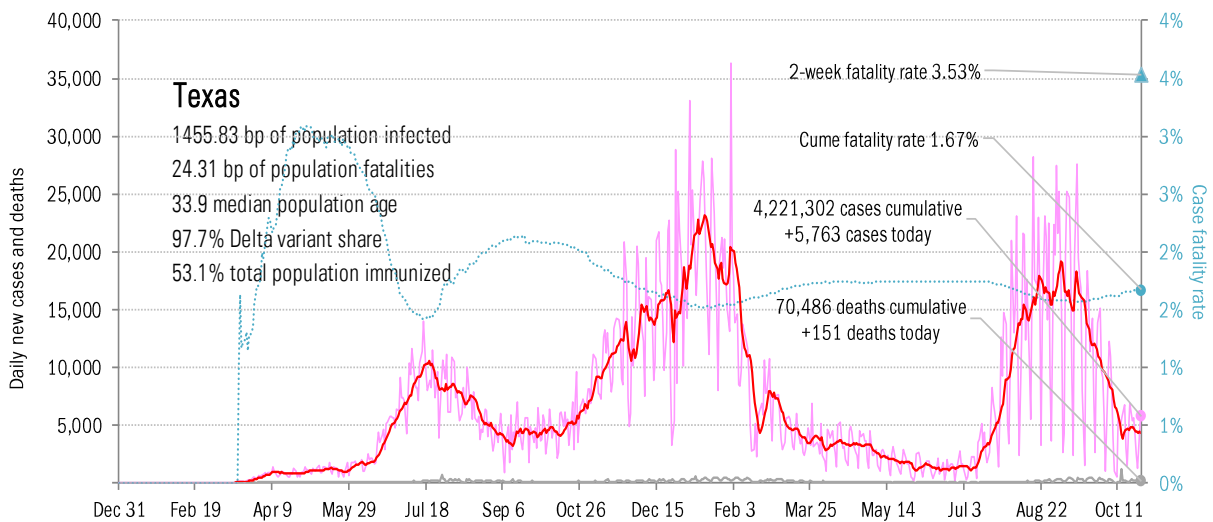
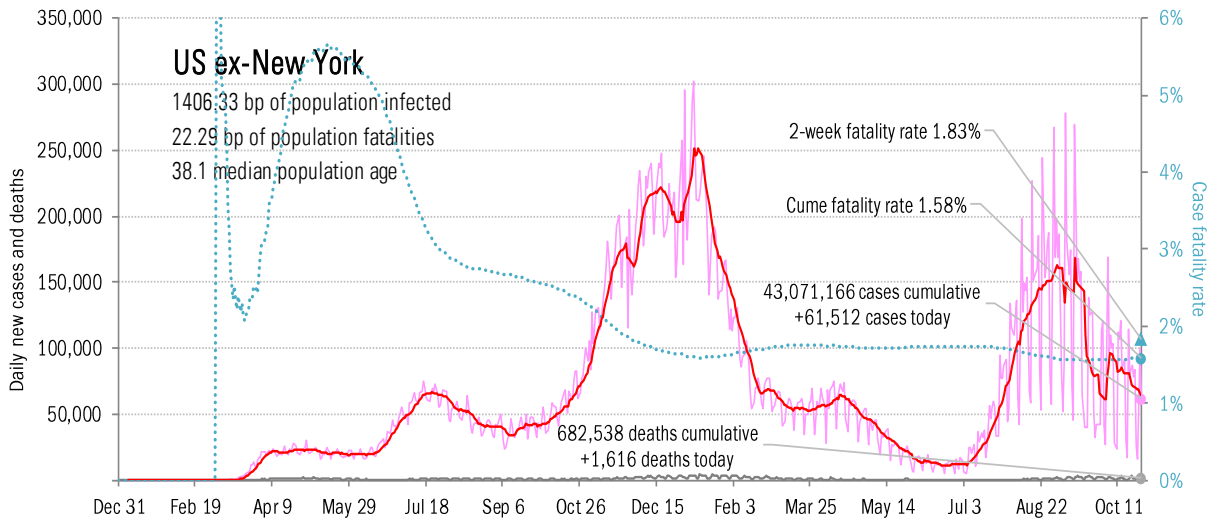
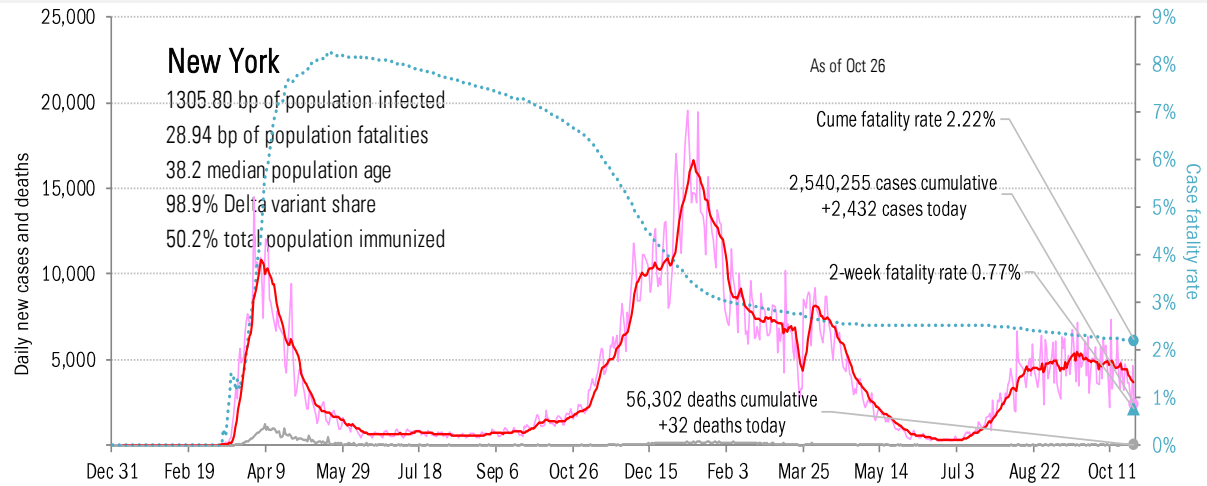
14-day moving average, last 14 days    Most recent value displayed    ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

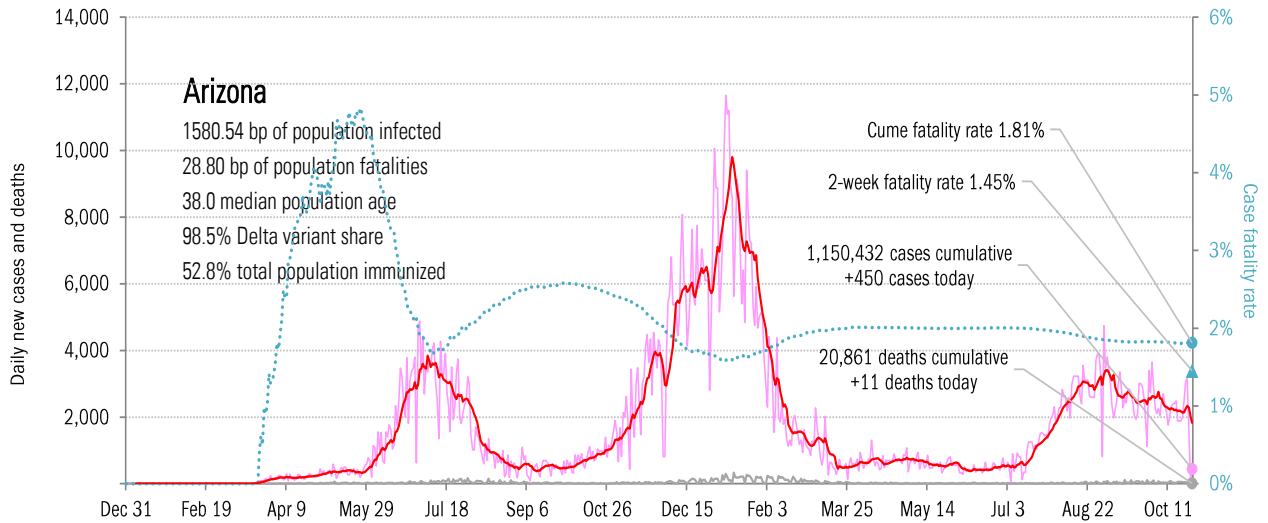
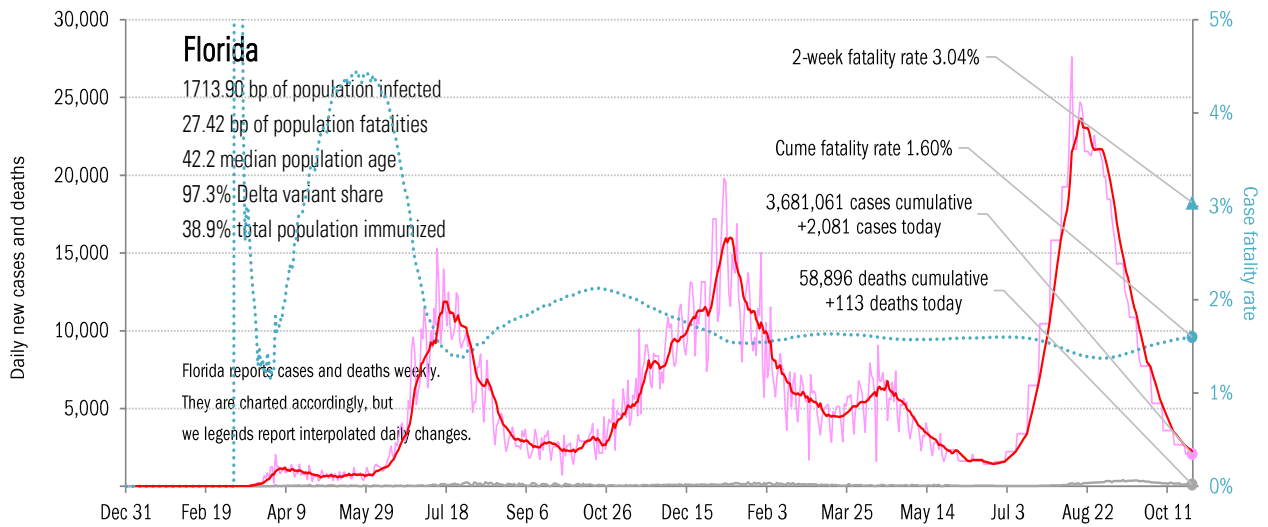
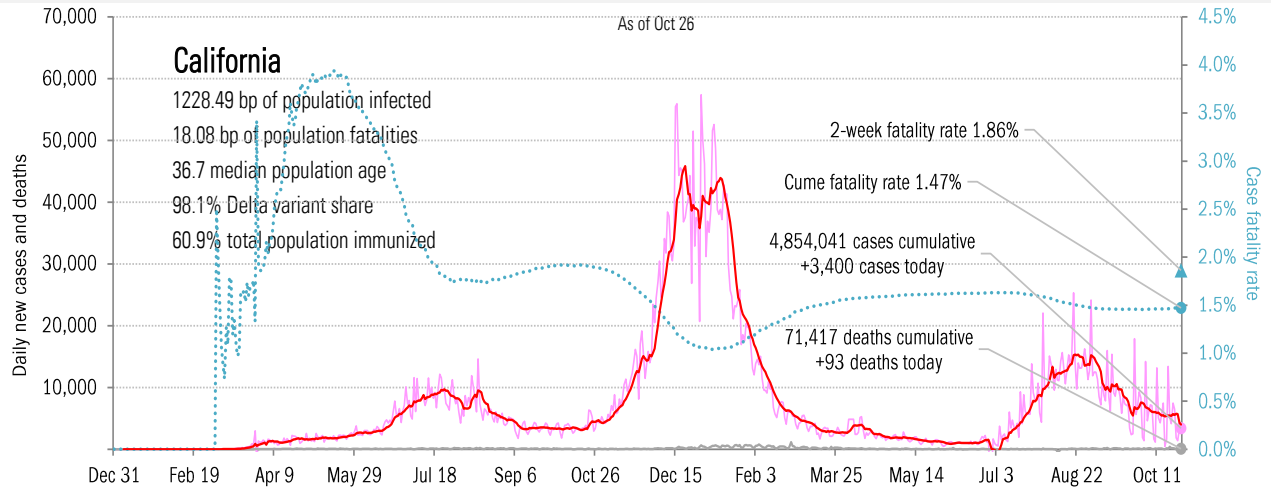
Cases: 7-day average and daily Deaths: Daily



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

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

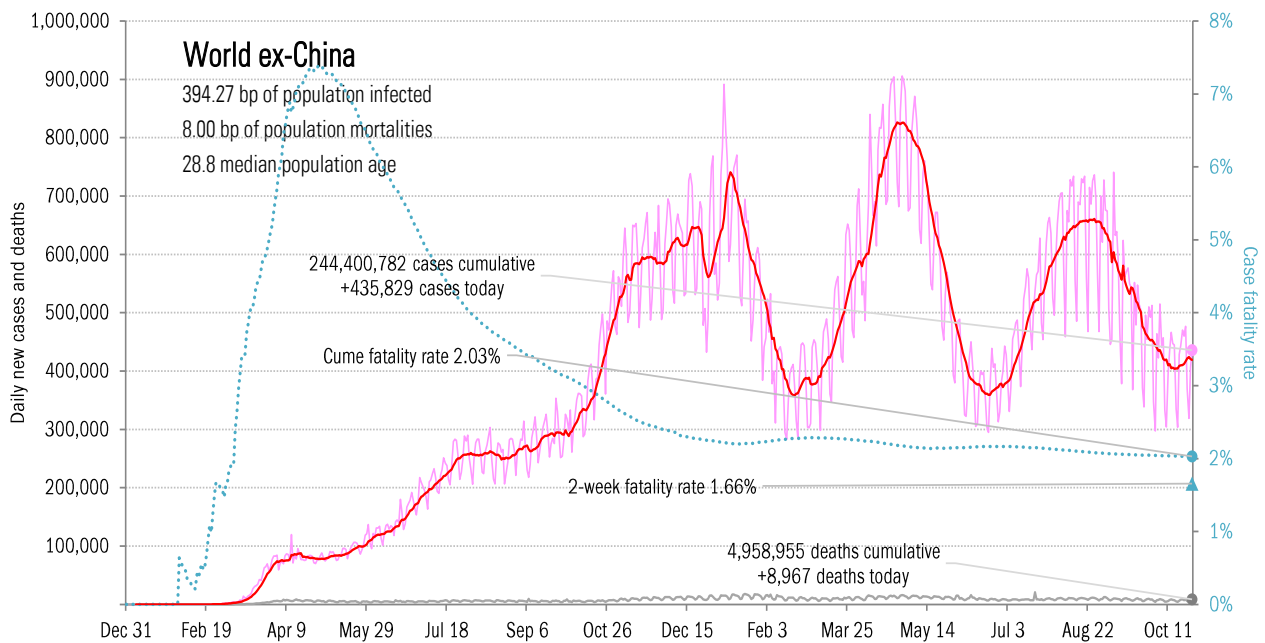
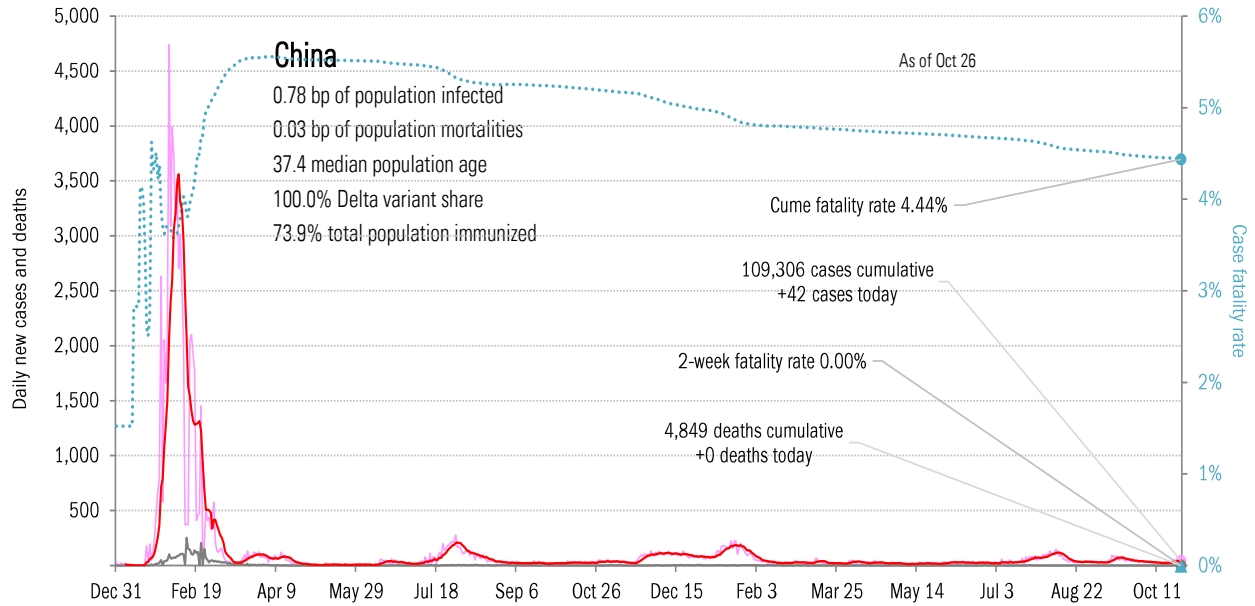
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

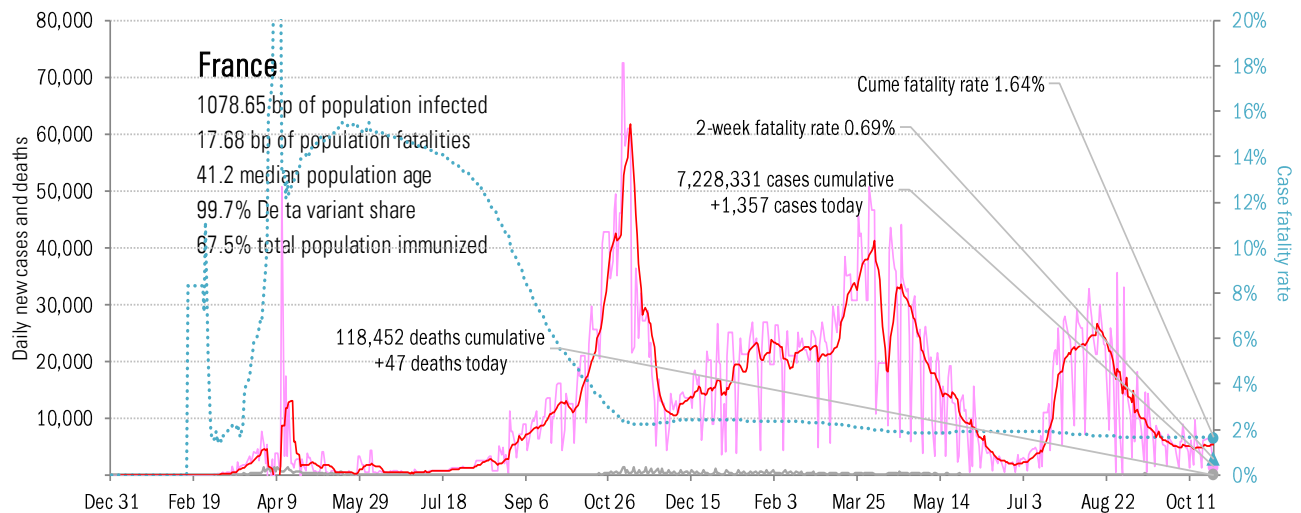
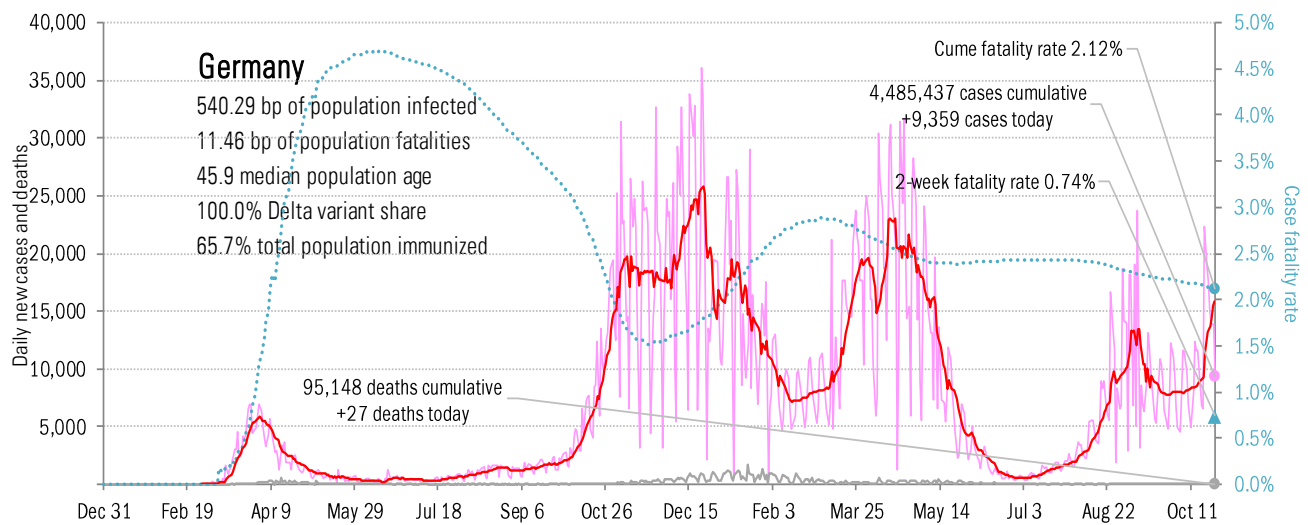
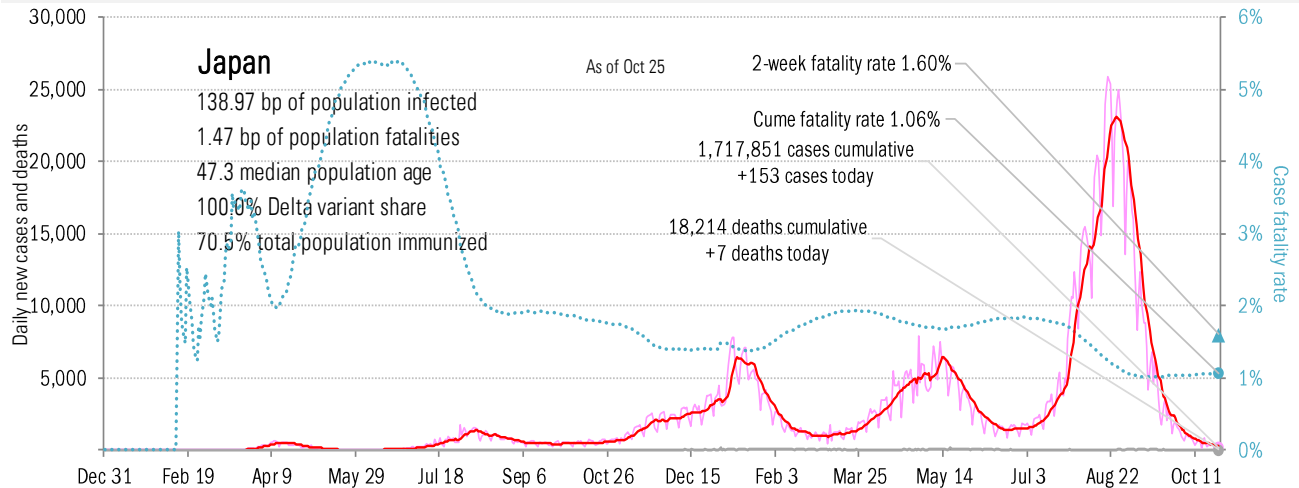
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

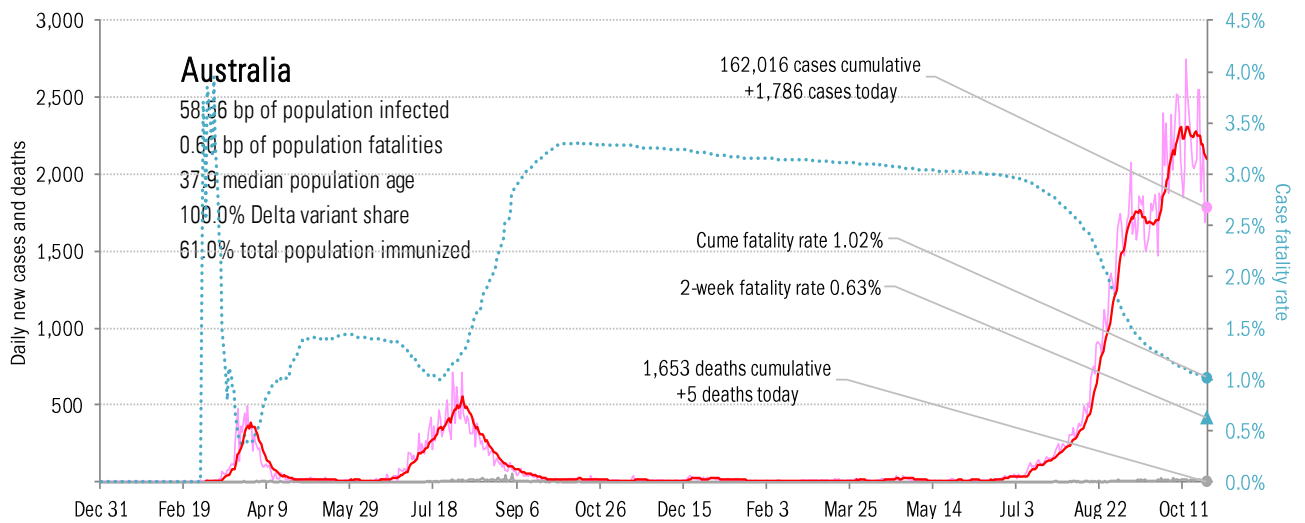
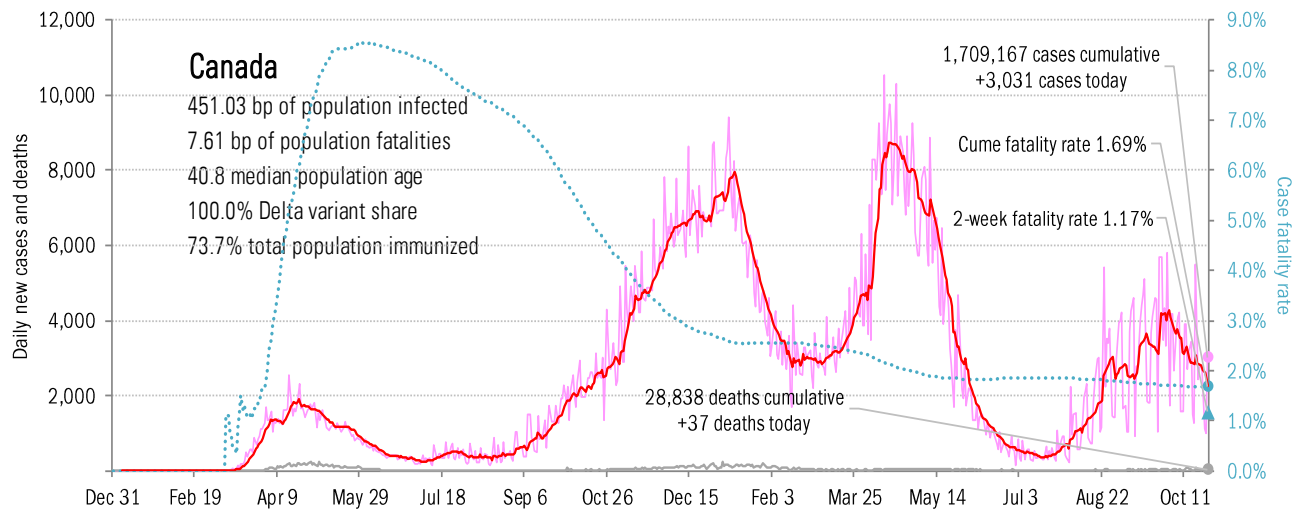
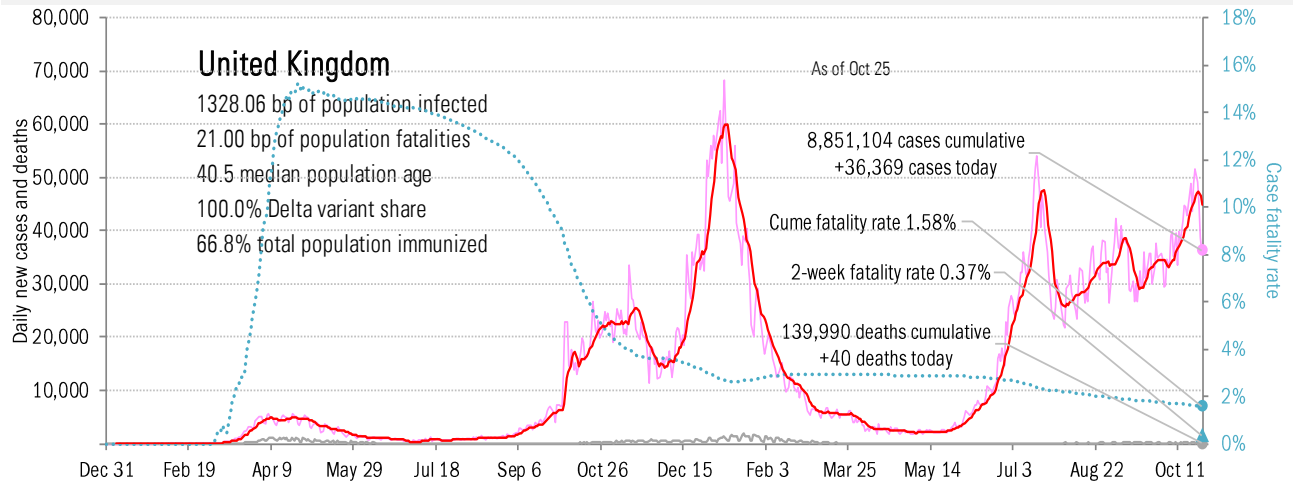
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

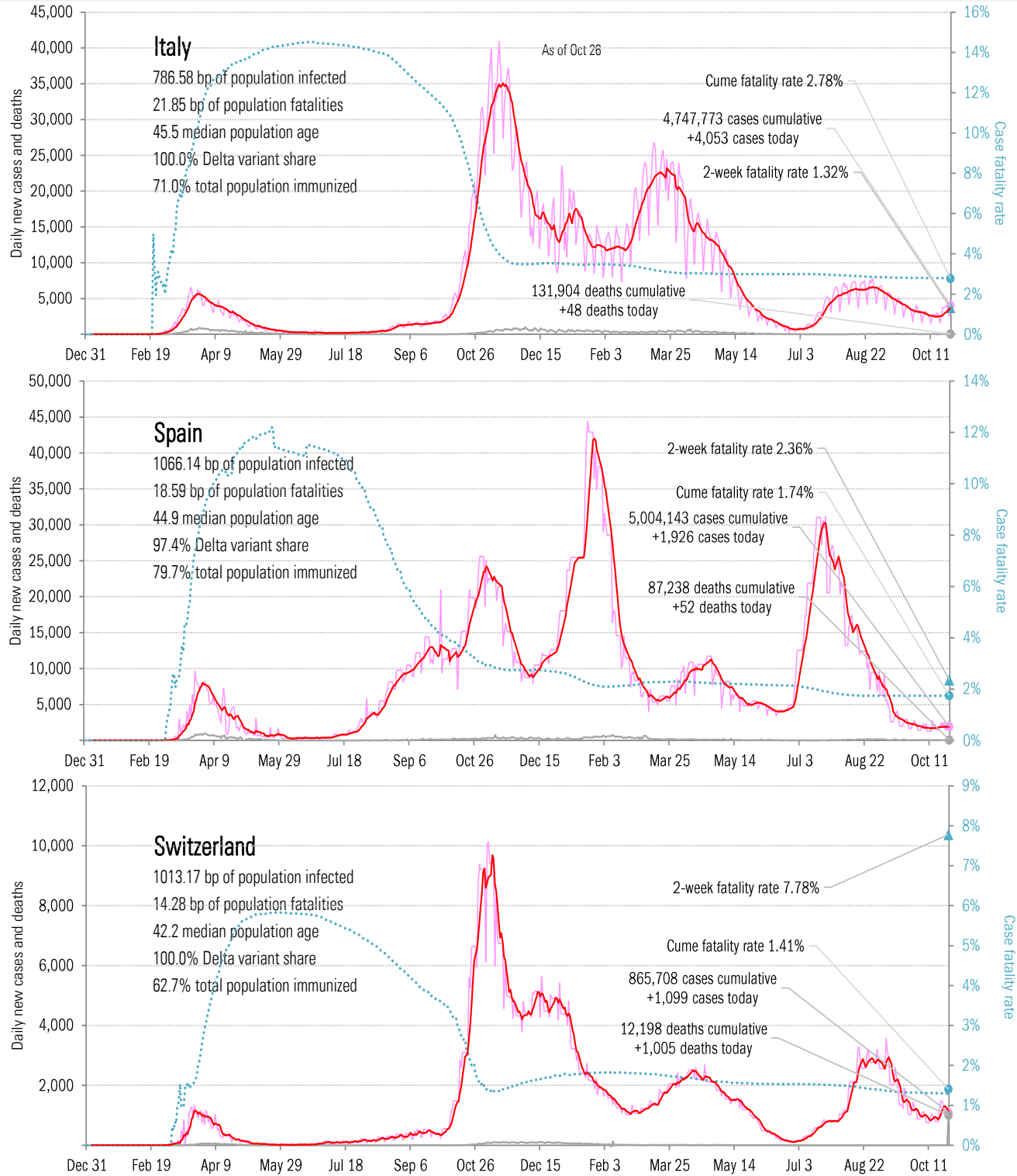


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

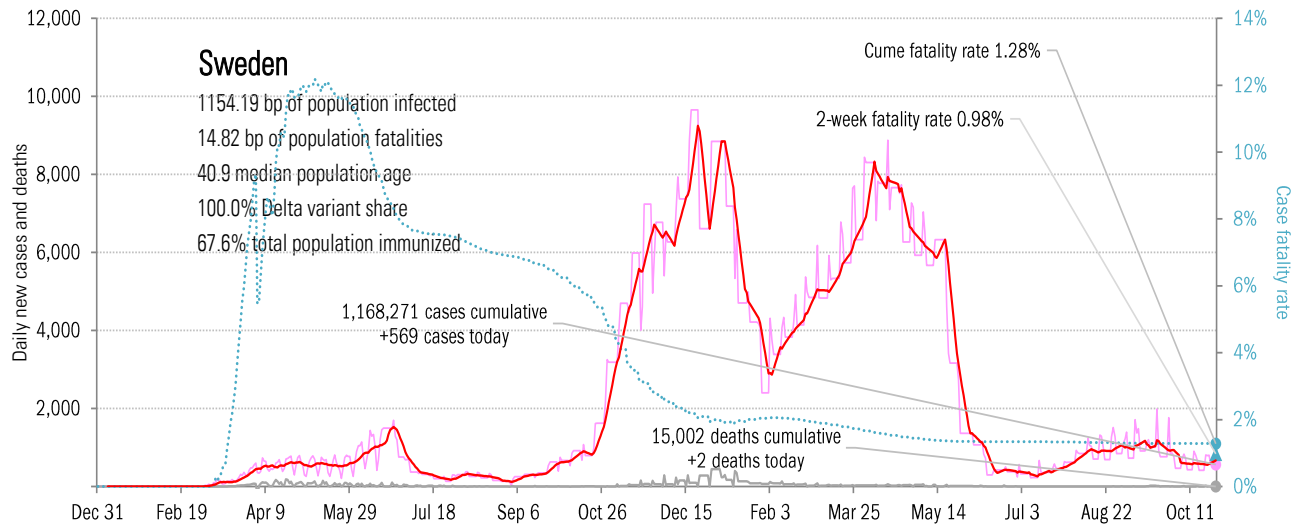
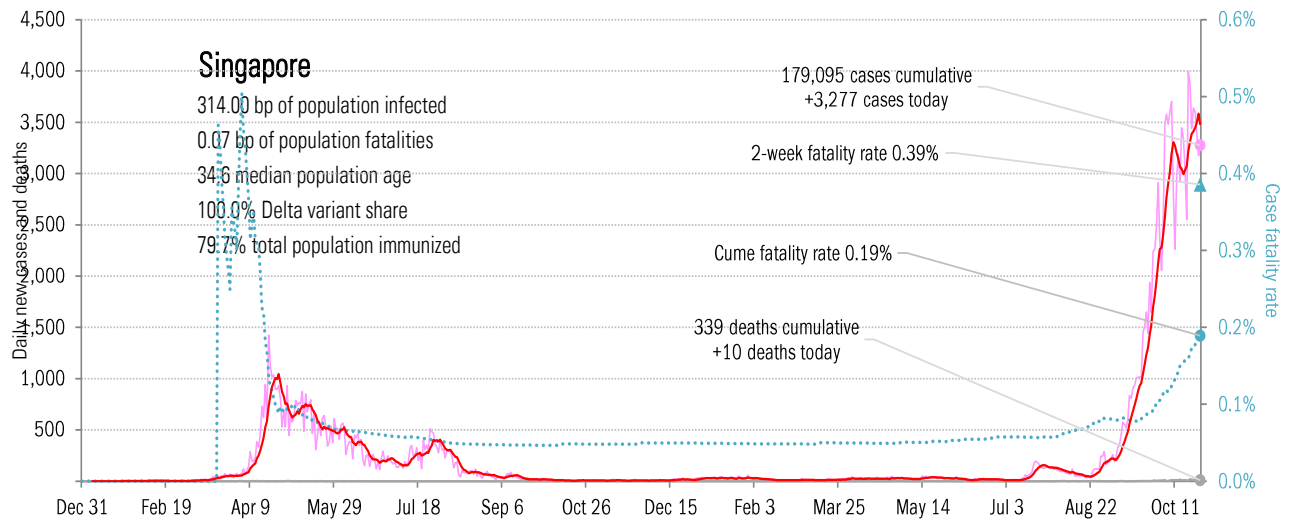
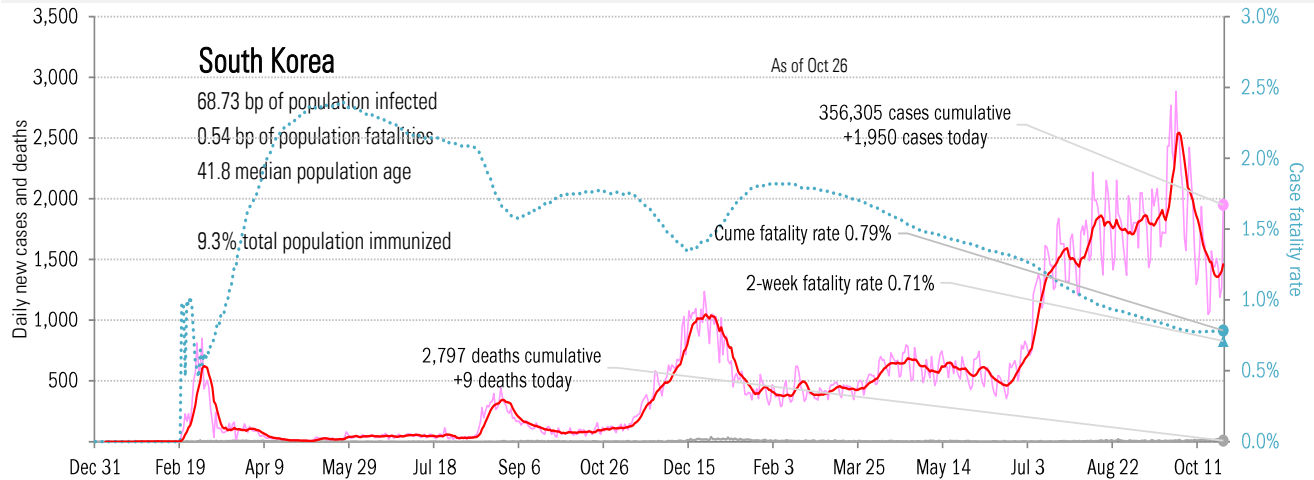
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

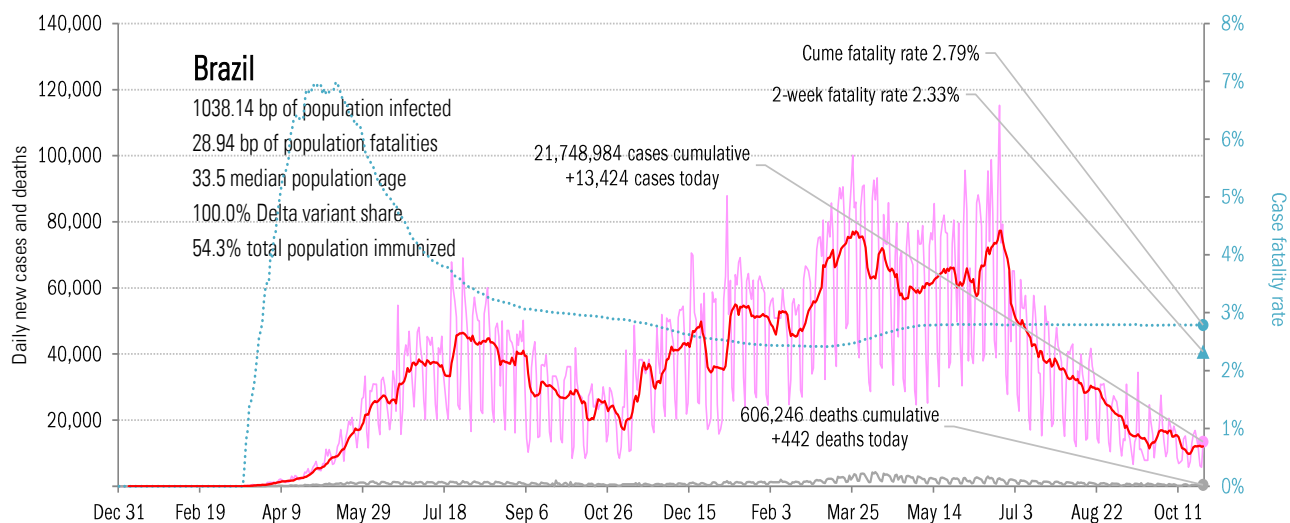
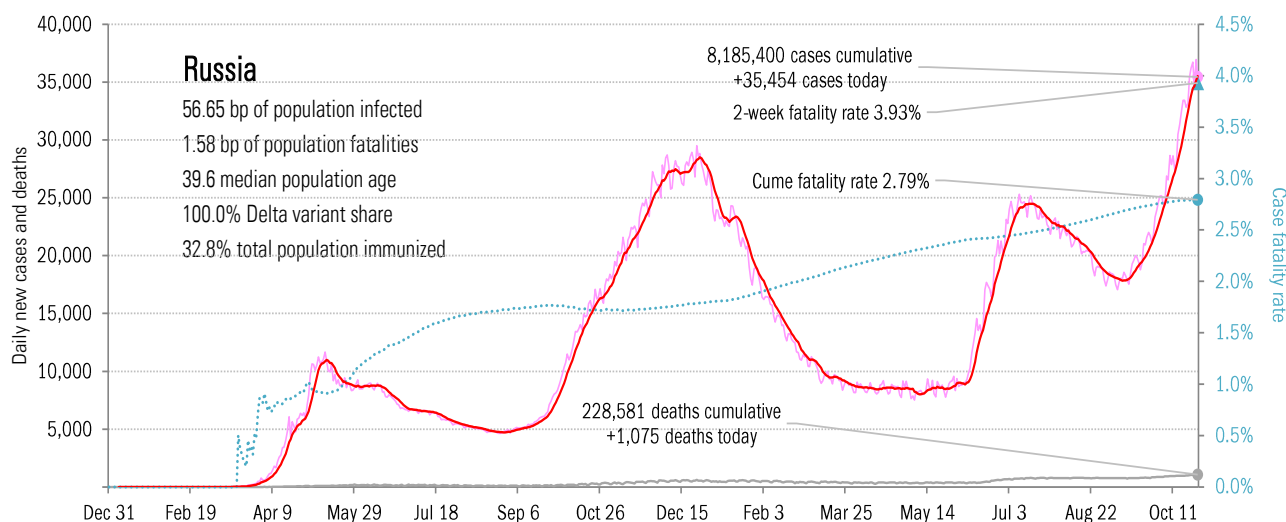
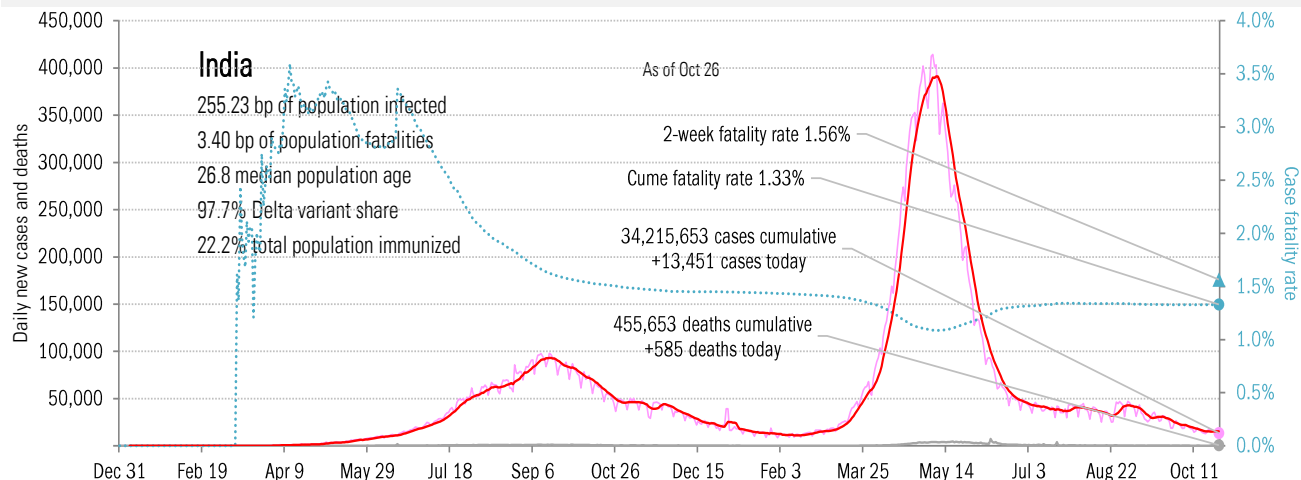
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

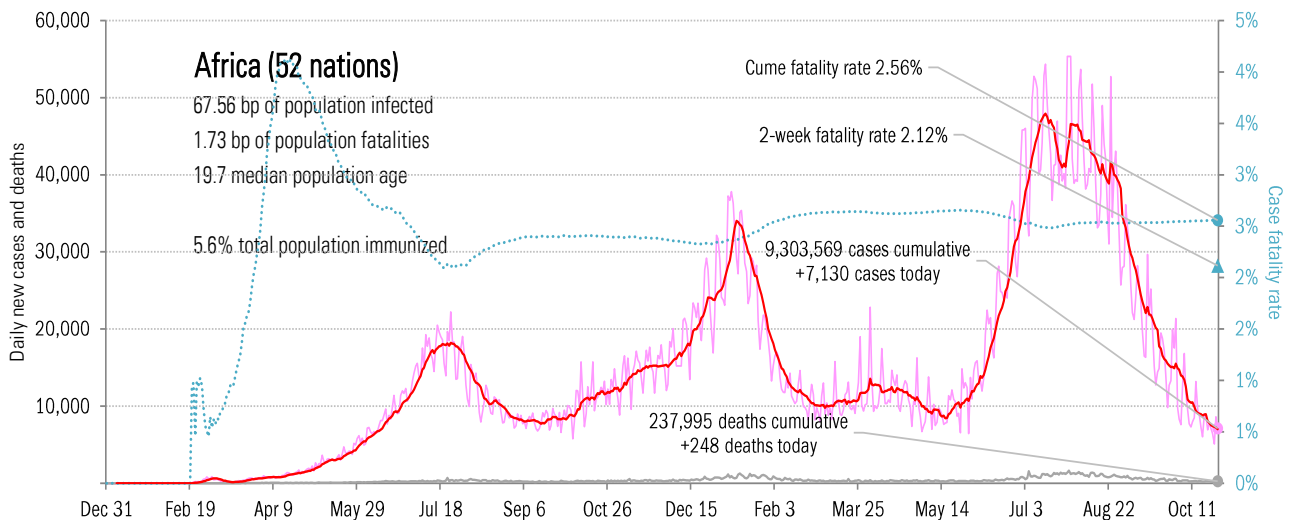
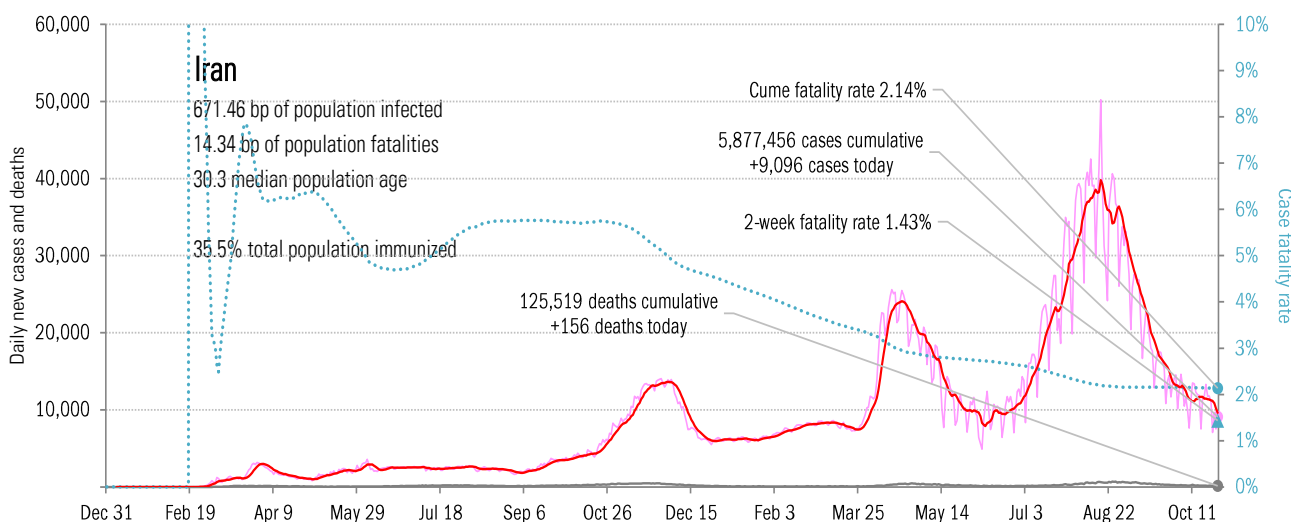
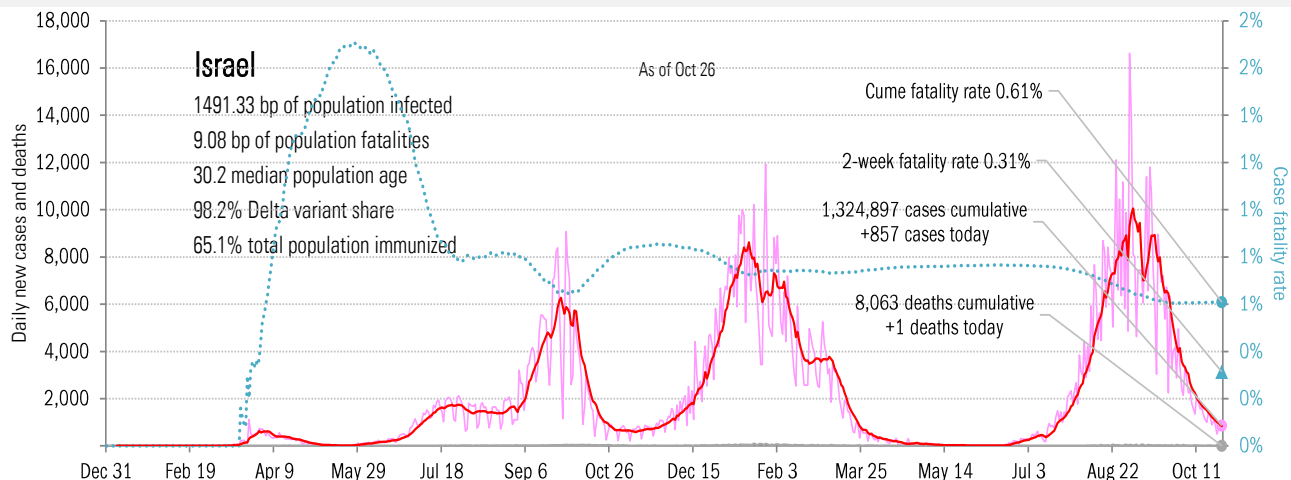
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

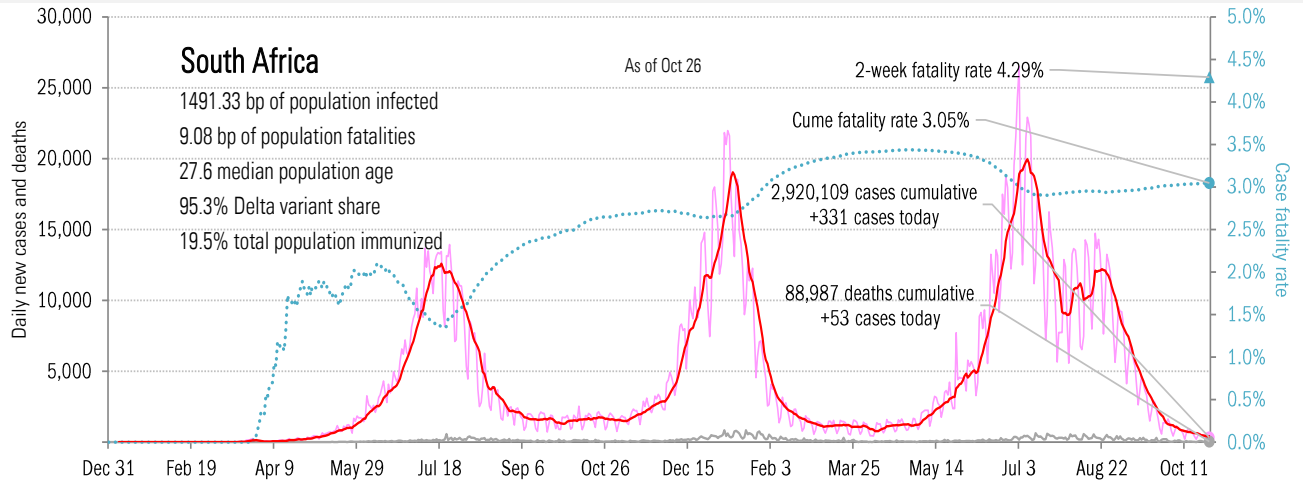
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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