

Data Insights: Covid-2019 Monitor

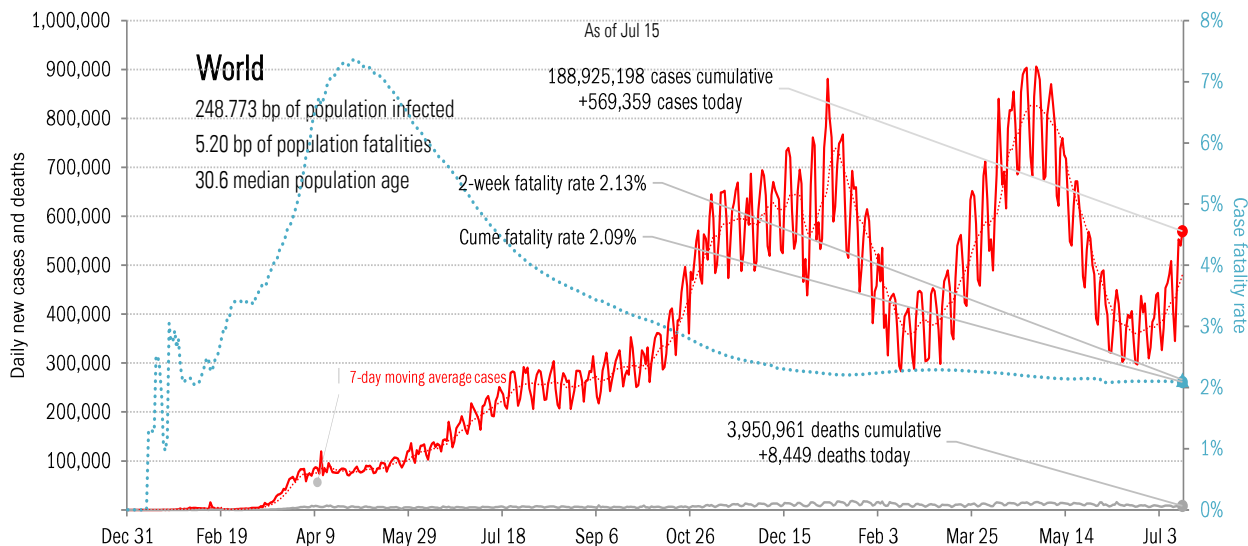
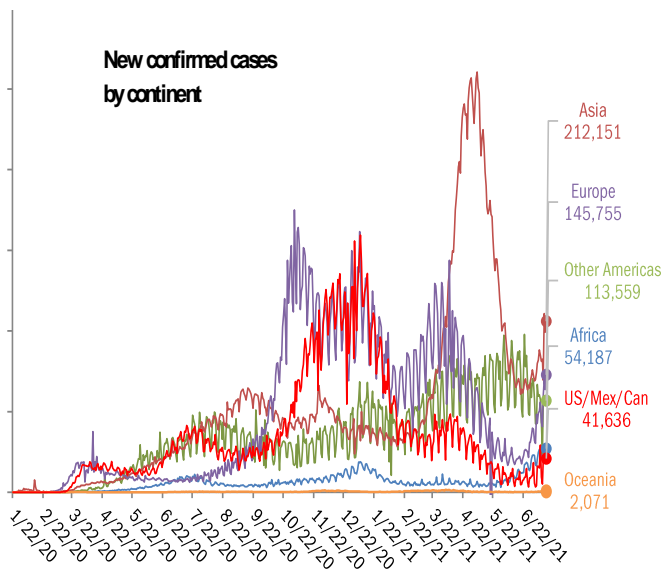
Friday, July 16, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Indonesia	+56,757	Brazil	+1,548
Brazil	+52,789	Indonesia	+982
United Kingdom	+48,641	Russia	+780
India	+38,949	India	+542
United States	+28,412	Colombia	+496
Spain	+27,688	Argentina	+445
Russia	+24,793	South Africa	+377
Iran	+23,655	United States	+283
Colombia	+18,070	Mexico	+233
Argentina	+17,295	Bangladesh	+226
+337,049		+5,912	
World	+569,359	World	+8,449
Top ten	59%	Top ten	70%

New confirmed cases by continent



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

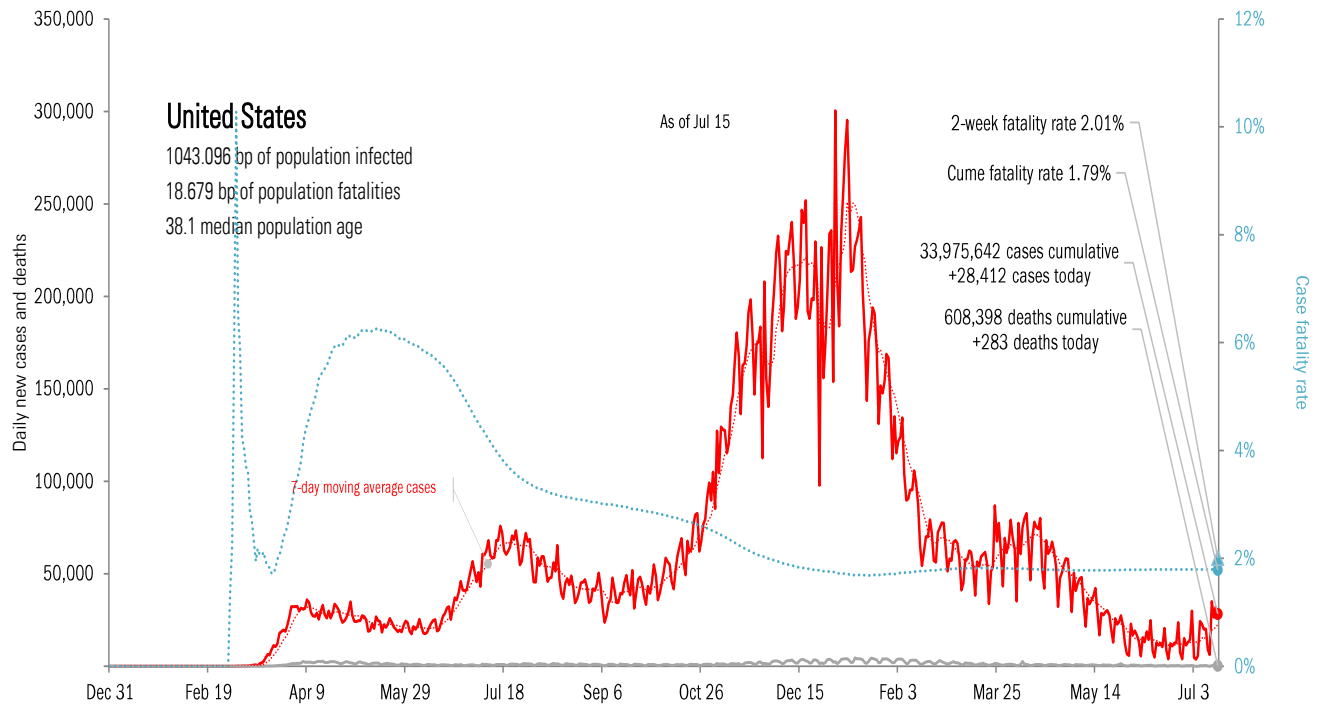
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+3,392		TX	+36		FL	+186		CA	3,849,540		CA	64,043		TX	257,212		RI	86%	MO	23%
TX	+3,023		CA	+31		TX	+69		TX	3,032,699		NY	53,759		CA	242,568		MA	85%	AR	17%
MO	+2,814		GA	+19		GA	+58		FL	2,412,649		TX	52,763		FL	191,728		MD	83%	UT	16%
CA	+1,794		FL	+15		CA	+51		NY	2,123,452		FL	38,183		NY	137,112		MO	83%	NV	15%
LA	+1,500		NV	+15		AR	+37		IL	1,399,270		PA	27,782		GA	110,516		PA	82%	TX	10%
GA	+1,362		LA	+13		MS	+26		PA	1,219,722		NJ	26,529		PA	92,146		DC	80%	WY	10%
KS	+1,094		AL	+11		IL	+25		GA	1,144,890		IL	25,783		CH	88,387		GA	80%	FL	10%
NC	+1,020		ME	+10		LA	+23		CH	1,115,789		GA	21,546		IL	83,152		MN	79%	OK	9%
AZ	+1,014		MO	+10		NV	+19		NJ	1,027,460		MI	21,092		KY	78,941		NV	79%	ID	9%
AR	+980		NM	+10		CH	+17		NC	1,021,853		CH	20,411		MI	73,531		FL	78%	MS	9%
+17,993			+170			+511			18,347,324			351,891			1,355,293						
All states	+31,804		+298			+650			All states	33,975,642		608,398			2,415,106			All states	70%	67%	
Top ten	57%		57%			79%			Top ten	54%		58%			56%			Median	73%	5%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-2,043	AL	-15	NY	-24	AL	+20 bp
FL	-970	AZ	-14	MO	-23	MP	+20 bp
AZ	-931	OK	-11	AZ	-17	AZ	+10 bp
CA	-772	IA	-9	OR	-13	CA	+10 bp
IA	-651	NJ	-9	WY	-12	CO	+10 bp



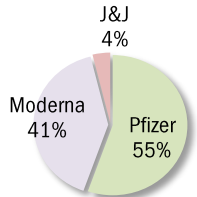
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Total	Today	Immunity	Full	Partial
Doses distributed	400,643,635	+0.447 million	US	47.9%	55.3%
Doses administered	345,899,819	+0.578 million			
Administered	One dose	% Pop	Immune	% pop	New immune today
Total population	189,875,997	57%	164,647,531	49%	+0.287 million
Age 12 to 17	9,593,625	38%	7,502,197	30%	+0.055 million
Age 18 to 64	129,814,367	64%	112,129,168	55%	+0.198 million
Age 65 and over	50,243,760	92%	44,887,267	82%	+0.034 million

Global vaccine data not updated as of publication.

Italy	40.5%	59.8%
Australia	9.8%	27.4%
Israel	60.2%	66.3%
Canada	46.4%	69.8%
Japan	19.8%	31.8%
Africa	1.4%	3.0%
India	5.6%	22.7%
Brazil	15.2%	42.4%



State
Immunities distributed as % population**
At least partial immunity as % population
Full immunity as % population

At today's dosing pace, every American >18 immune in **235 days** by Mar 7, 2022
 60.8% of population >18 immunized
 11.6% previously tested positive
72.4% vs 60% adult herd immunity*

AK
61.6%
50.6%
44.7%



WI
56.1%
54.5%
50.9%

ME
73.7%
67.3%
62.7%

<table border="1"> <thead> <tr><th>WA</th><th>ID</th><th>MT</th><th>ND</th><th>MN</th><th>IL</th><th>MI</th></tr> </thead> <tbody> <tr><td>65.9%</td><td>50.8%</td><td>55.8%</td><td>50.0%</td><td>61.6%</td><td>62.1%</td><td>62.1%</td></tr> <tr><td>62.7%</td><td>40.2%</td><td>48.4%</td><td>44.5%</td><td>57.7%</td><td>60.7%</td><td>52.2%</td></tr> <tr><td>56.3%</td><td>36.8%</td><td>43.6%</td><td>39.5%</td><td>52.9%</td><td>47.4%</td><td>48.1%</td></tr> </tbody> </table>	WA	ID	MT	ND	MN	IL	MI	65.9%	50.8%	55.8%	50.0%	61.6%	62.1%	62.1%	62.7%	40.2%	48.4%	44.5%	57.7%	60.7%	52.2%	56.3%	36.8%	43.6%	39.5%	52.9%	47.4%	48.1%	<table border="1"> <thead> <tr><th>NY</th><th>MA</th></tr> </thead> <tbody> <tr><td>66.0%</td><td>74.6%</td></tr> <tr><td>61.4%</td><td>71.4%</td></tr> <tr><td>55.7%</td><td>62.9%</td></tr> </tbody> </table>	NY	MA	66.0%	74.6%	61.4%	71.4%	55.7%	62.9%								
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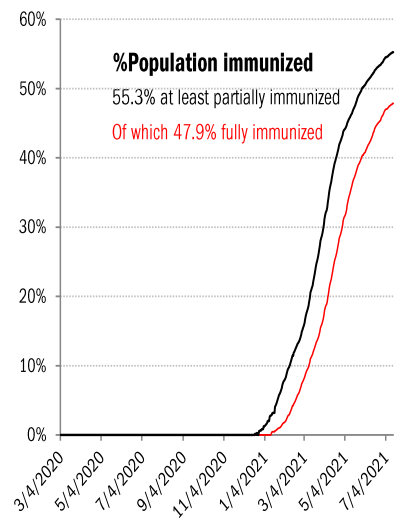
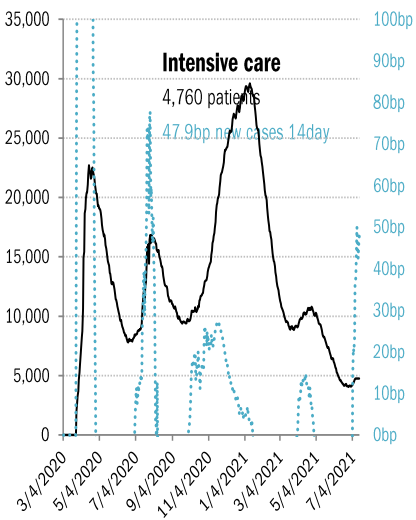
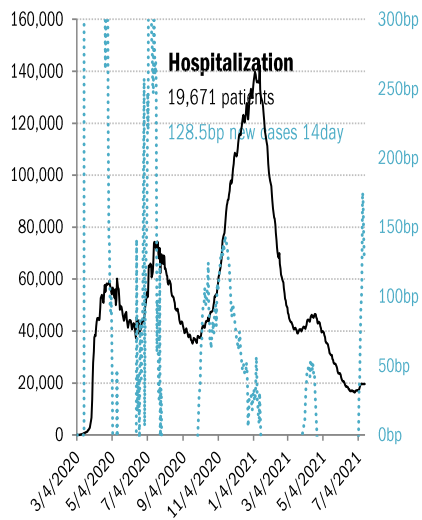
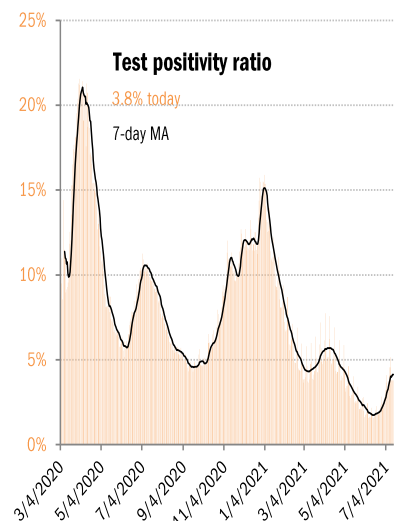
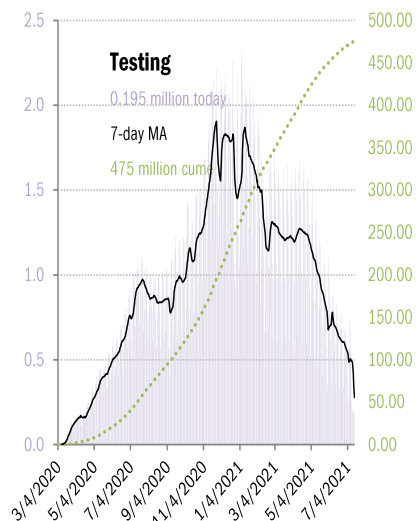
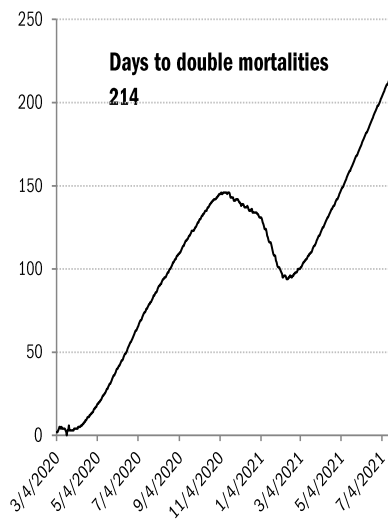
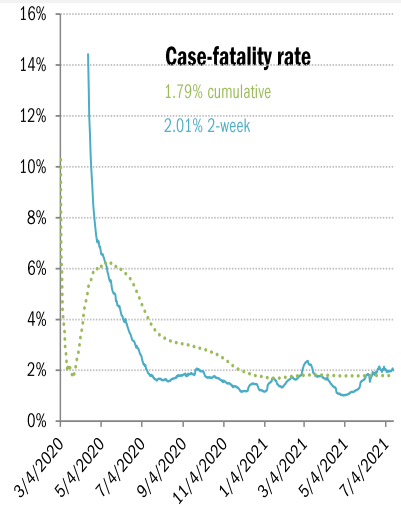
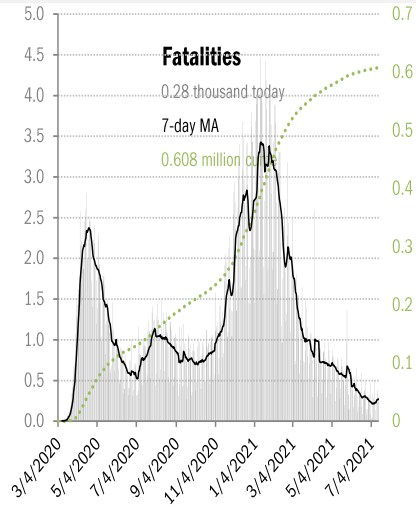
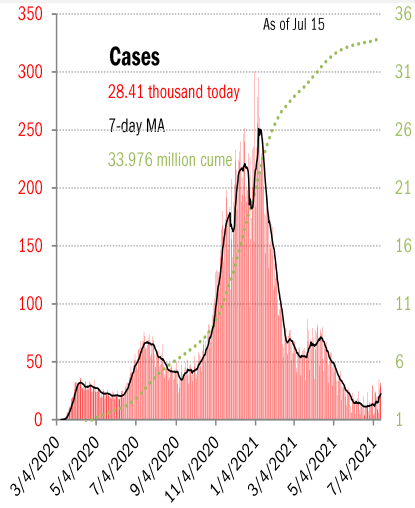
As of Jul 16

* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.
 ** One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

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

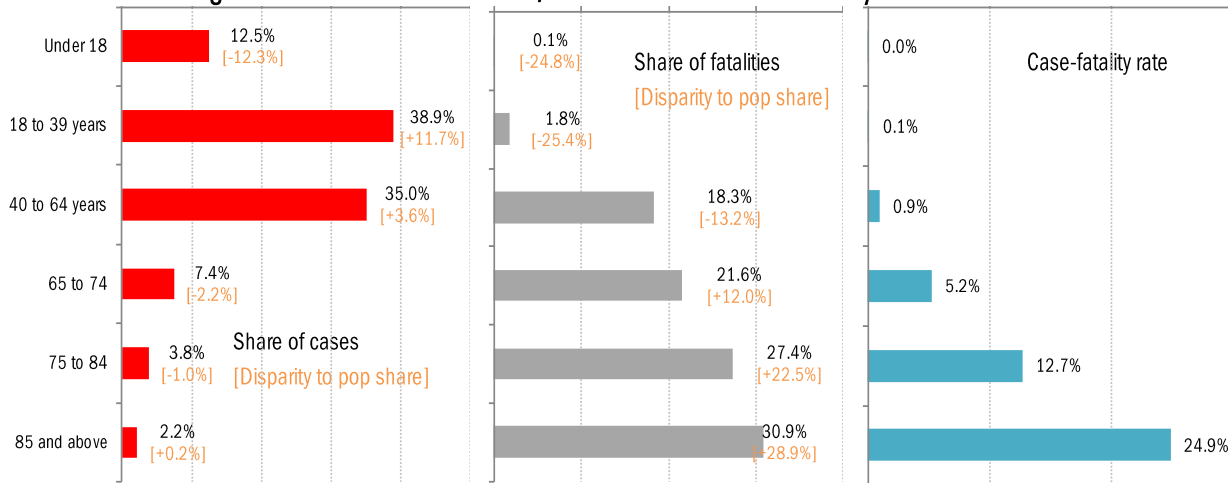
US deep-dive

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

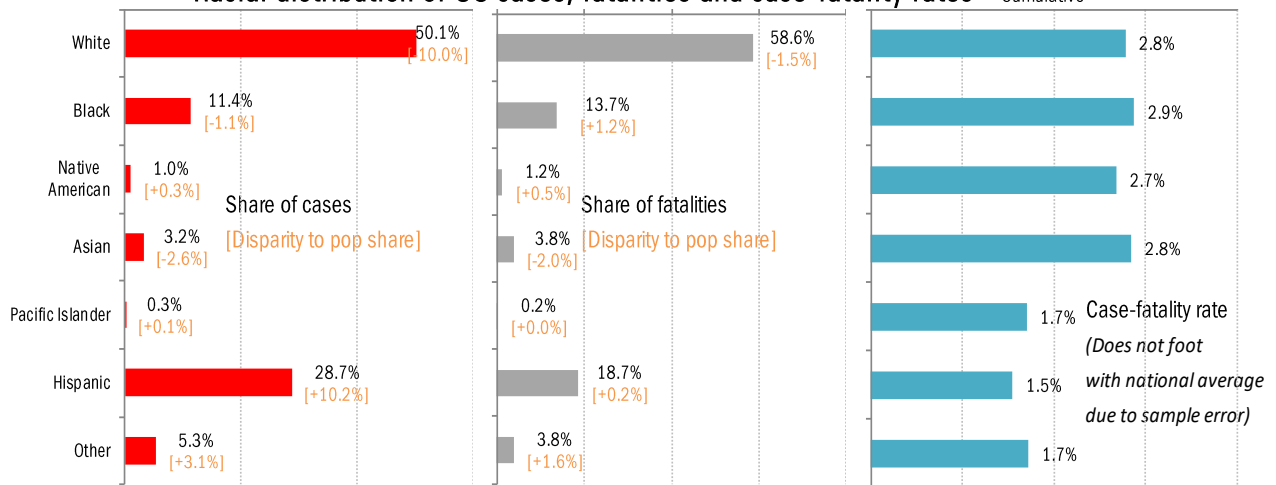


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

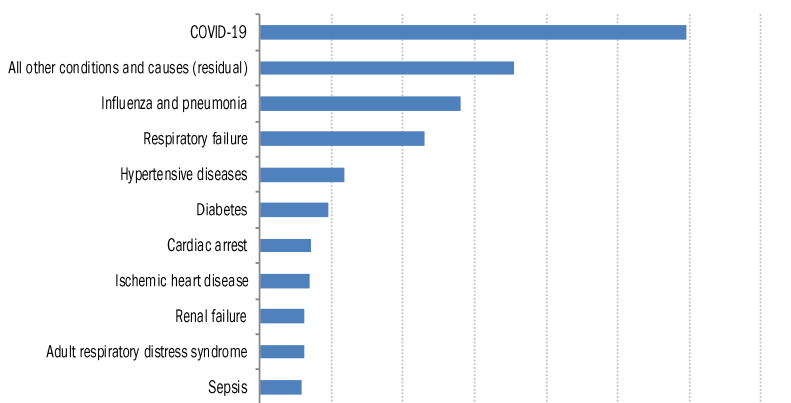


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jul 4

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

[The Reassuring Data on the Delta Variant](#)

Leslie Bienen and Monica Gandhi

Wall Street Journal

July 15, 2021

[Illinois Students Under Age 12 Must Wear Masks When They Return This Fall](#)

Illinois Review

July 12, 2021

[Los Angeles County reinstates indoor mask mandate as delta variant spreads](#)

Alicia Victoria Lozano

NBC News

July 15, 2021

[WHO chief: 'Premature' to rule out COVID-19 lab leak theory](#)

Justine Coleman

The Hill

July 15, 2021

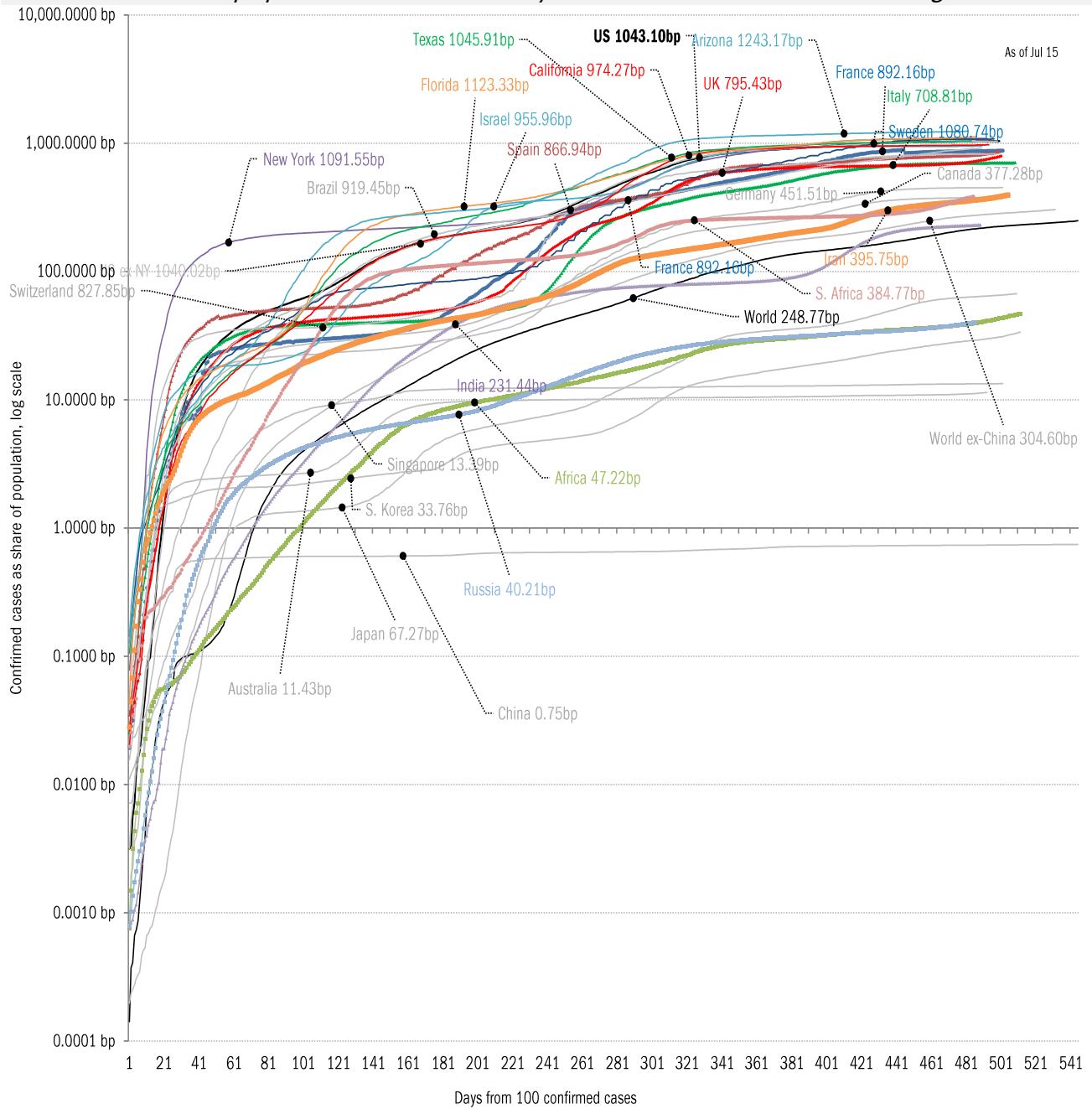
Meme of the day



**Dr. Fauci Recommends All Kids Older Than 2 Wear
Helmet And Bubble Wrap At All Times**

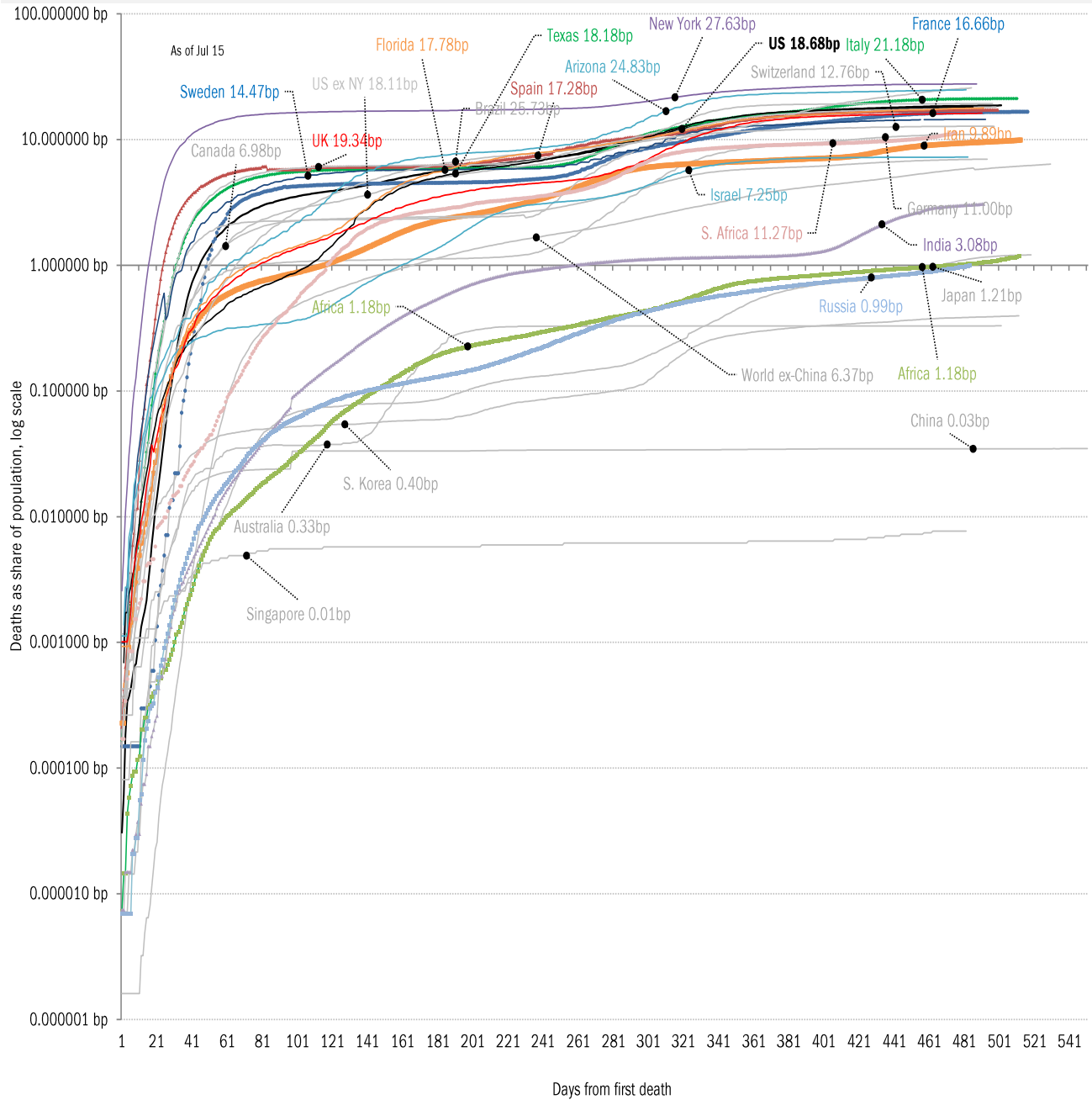
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

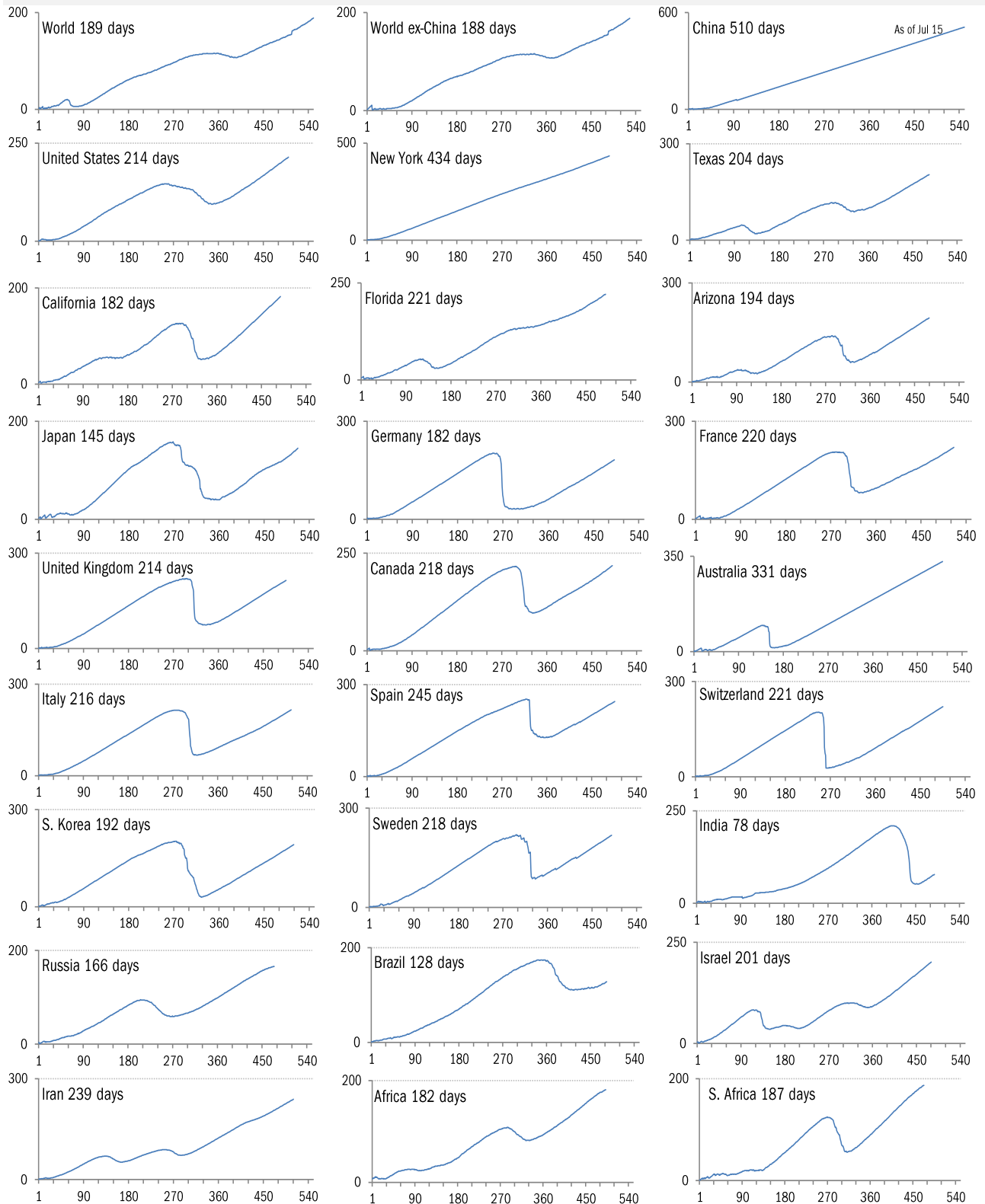


Source: [Johns Hopkins](#), TrendMacro calculations

"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

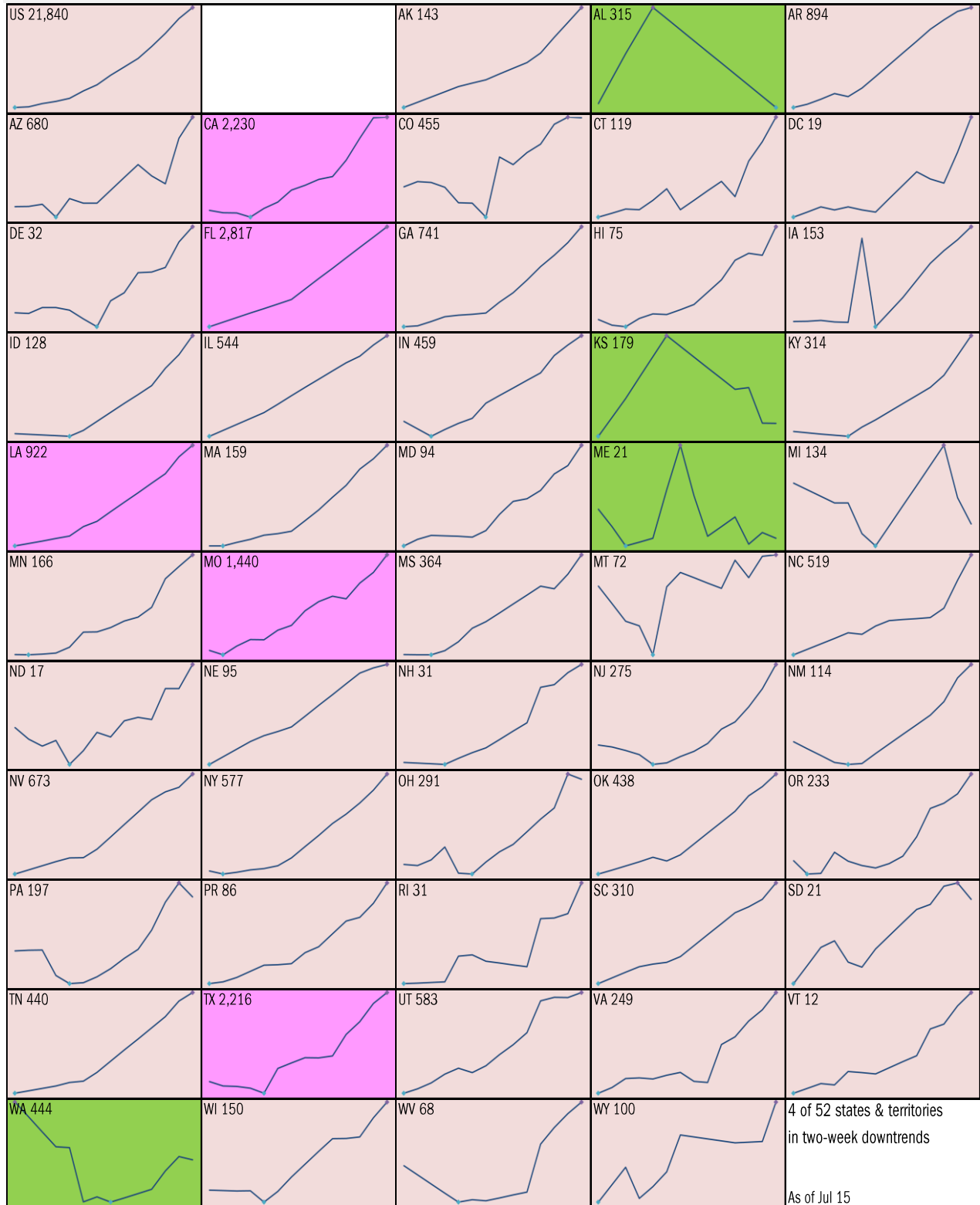


Source: [Johns Hopkins](#), TrendMacro calculations

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

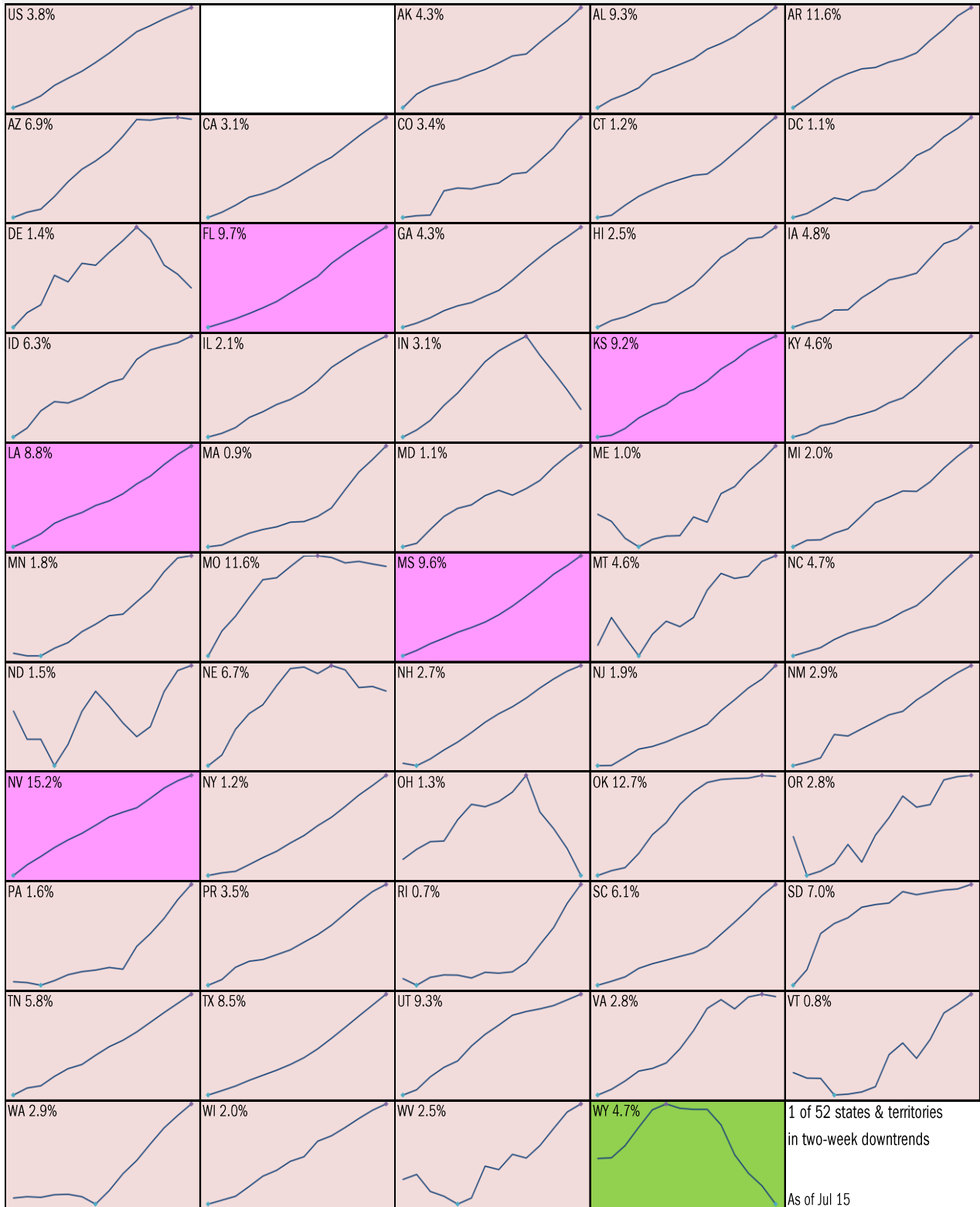


Source: [Johns Hopkins](#), TrendMacro calculations

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

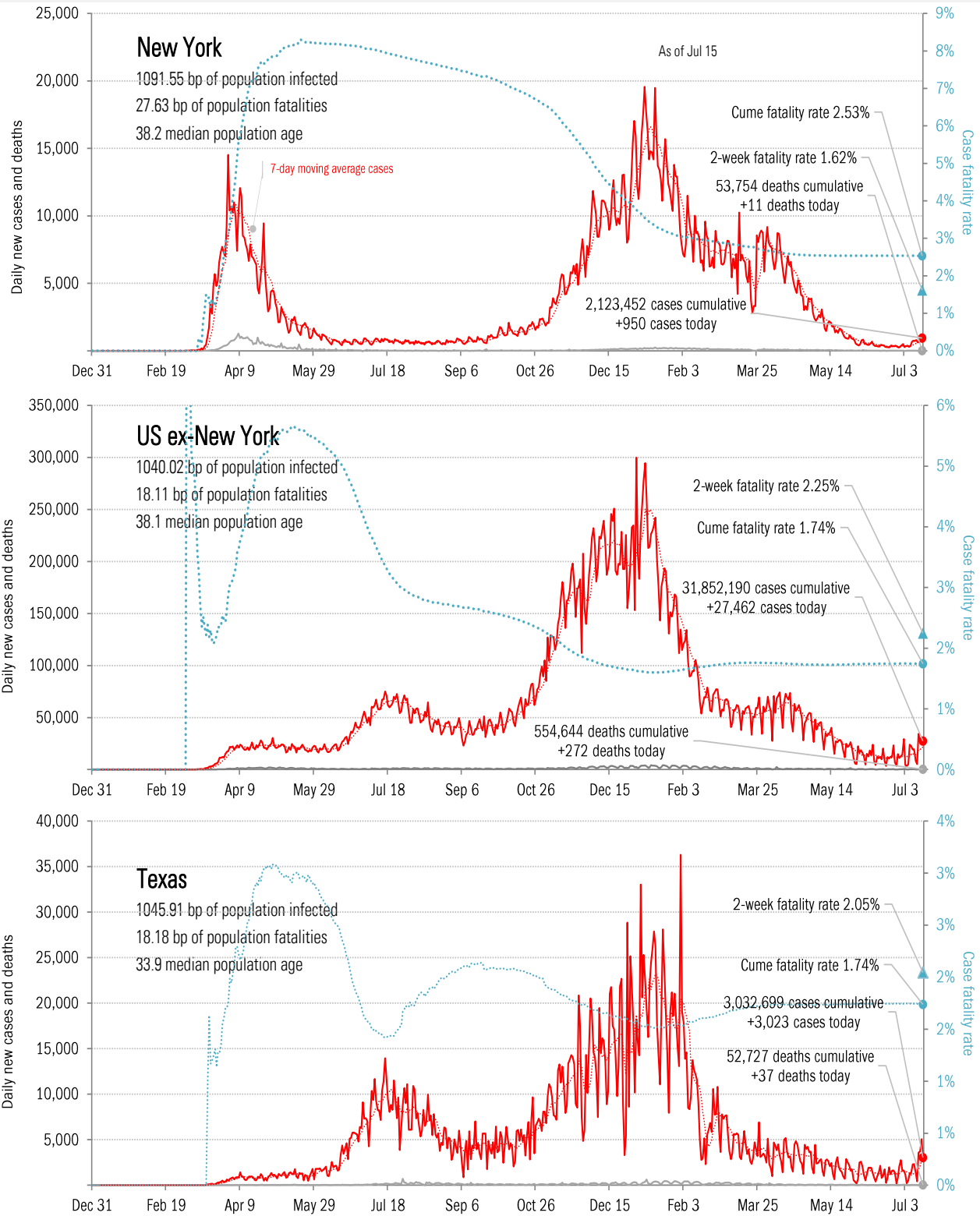
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



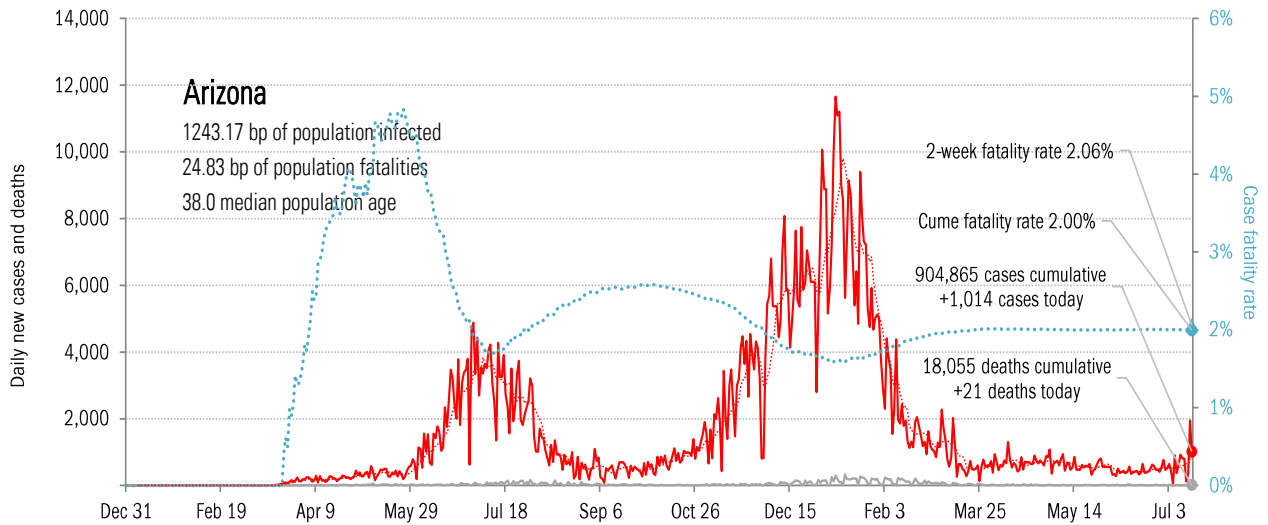
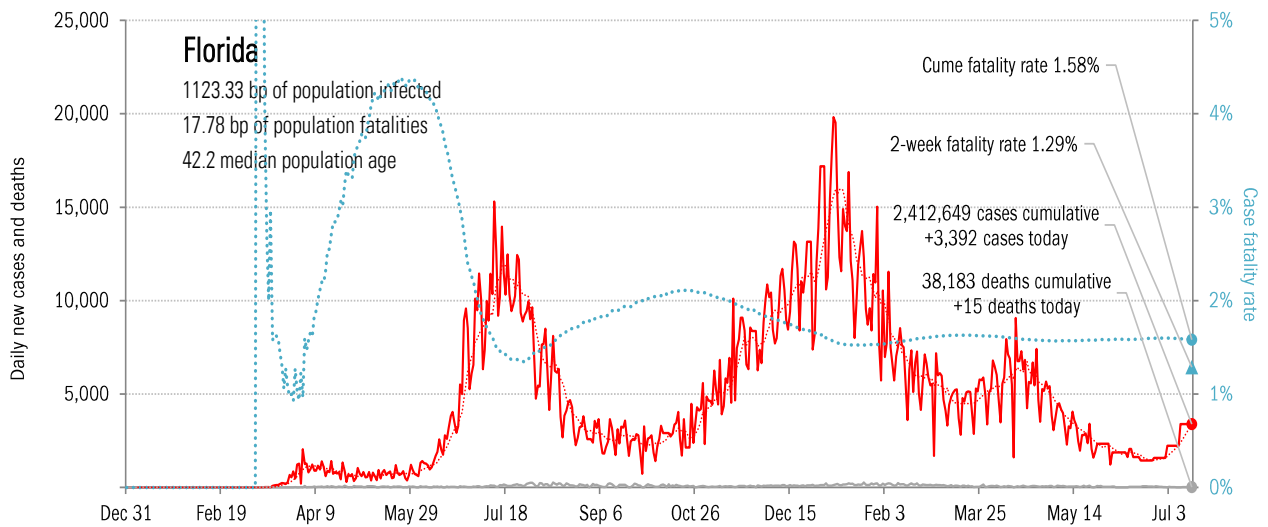
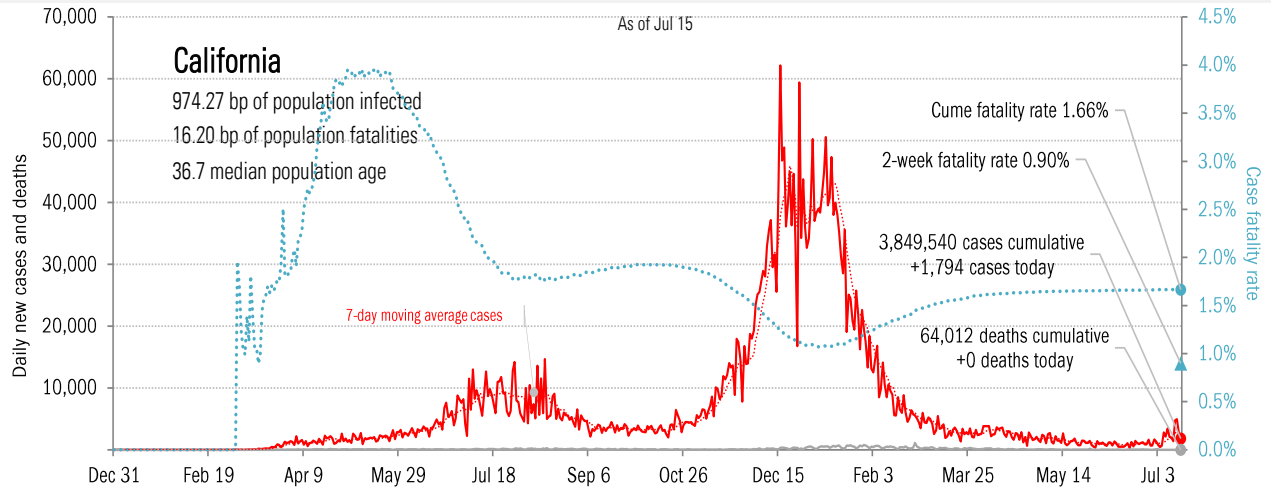
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



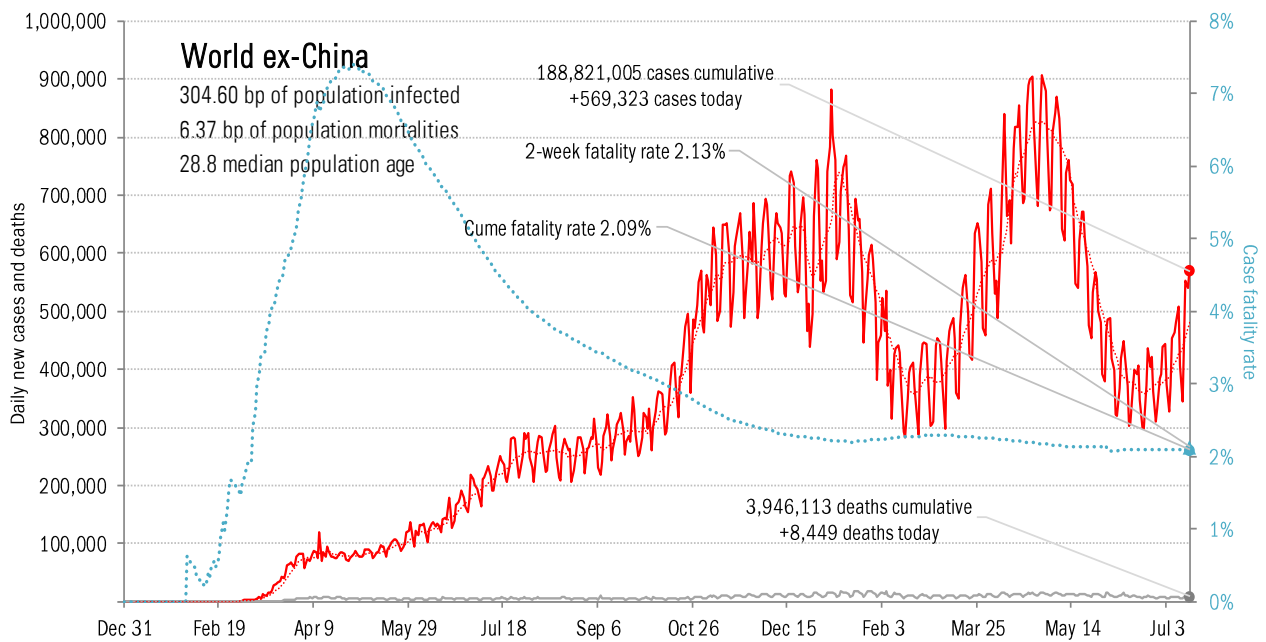
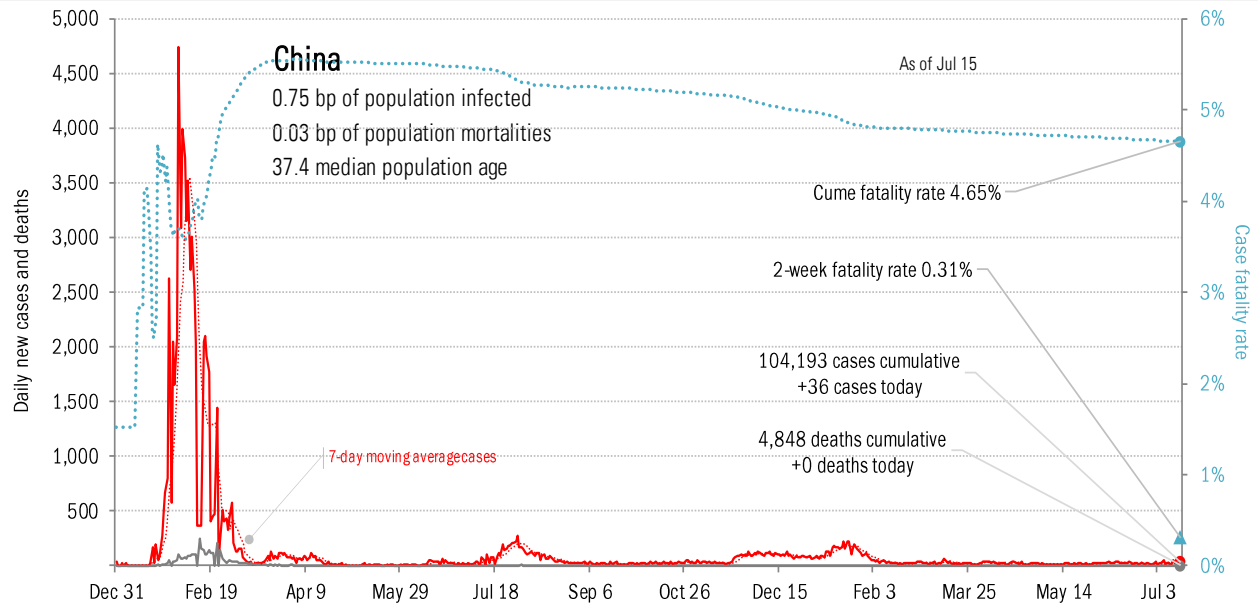
Source: [Johns Hopkins](#), TrendMacro calculations

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



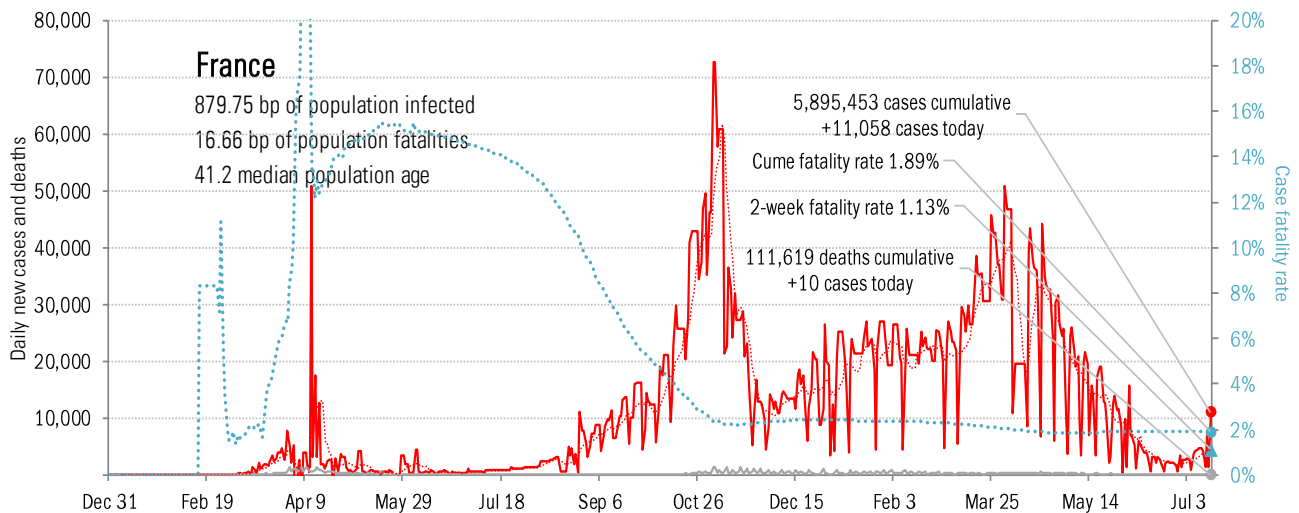
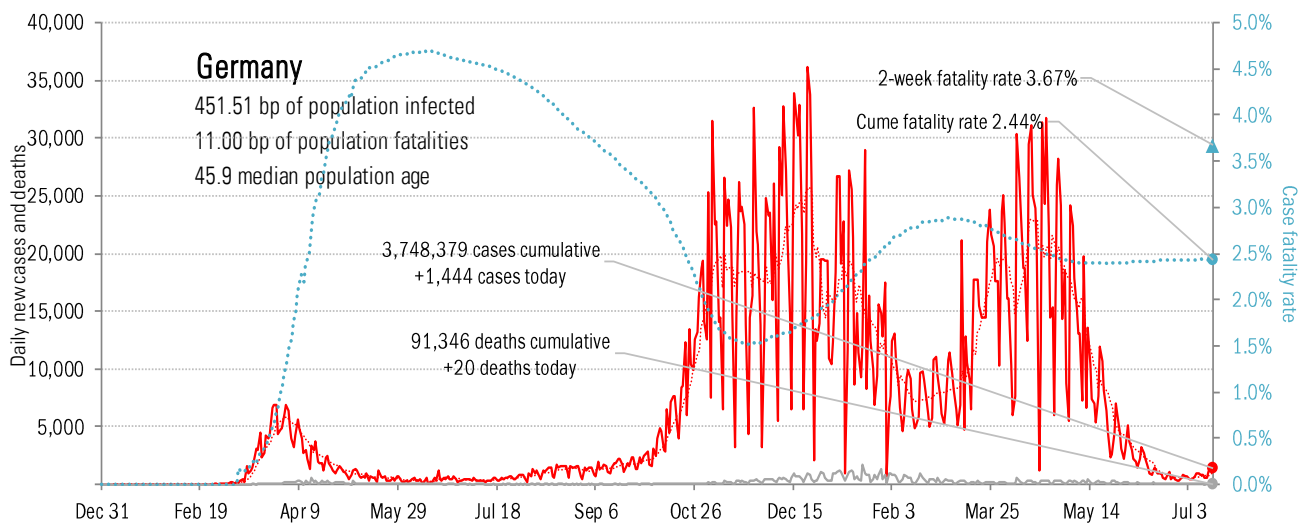
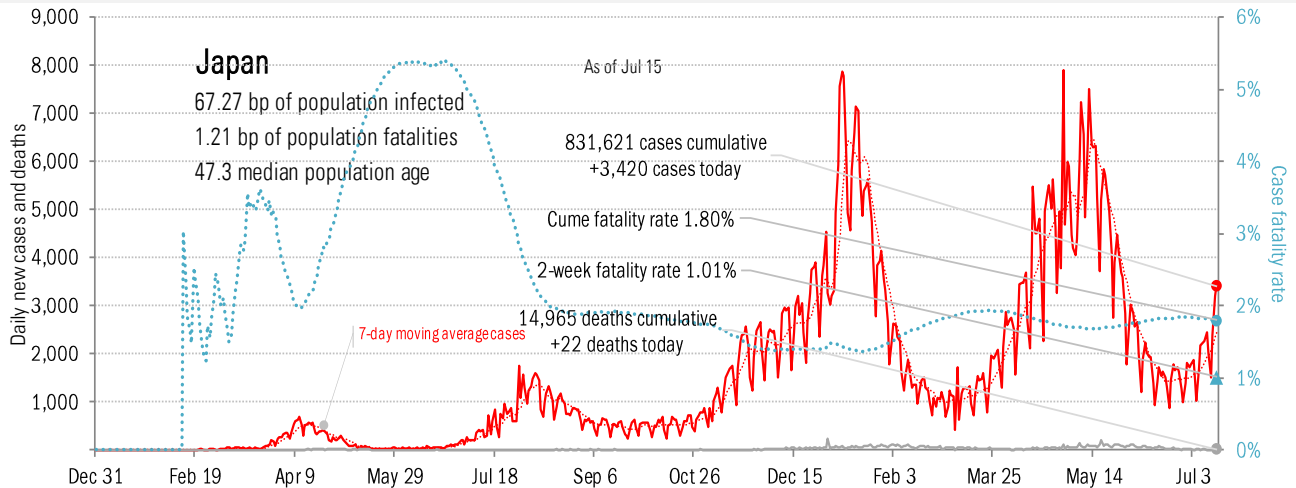
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



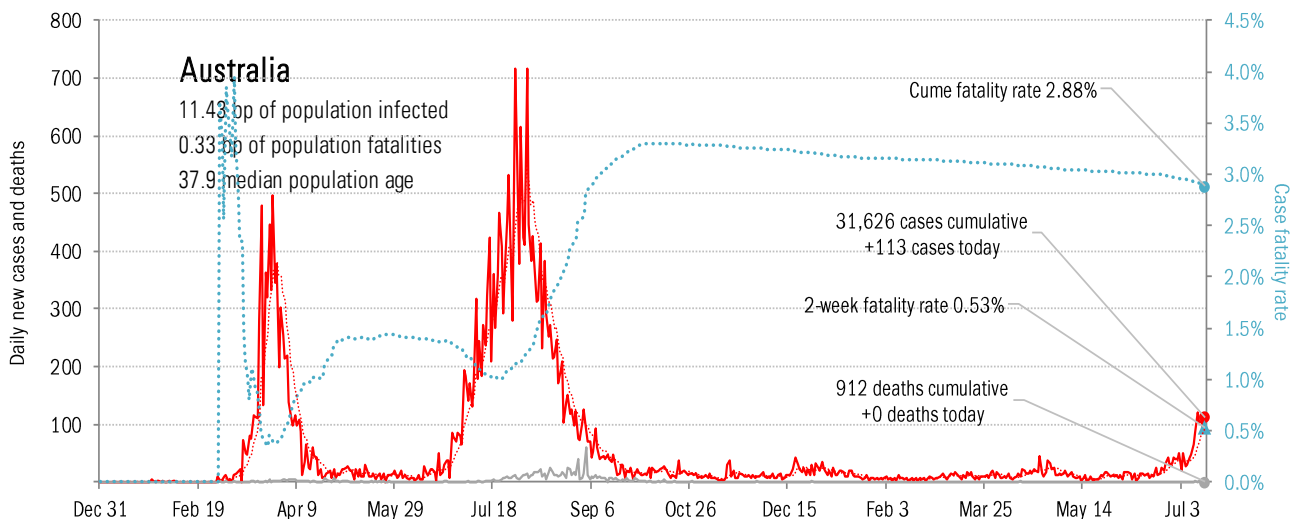
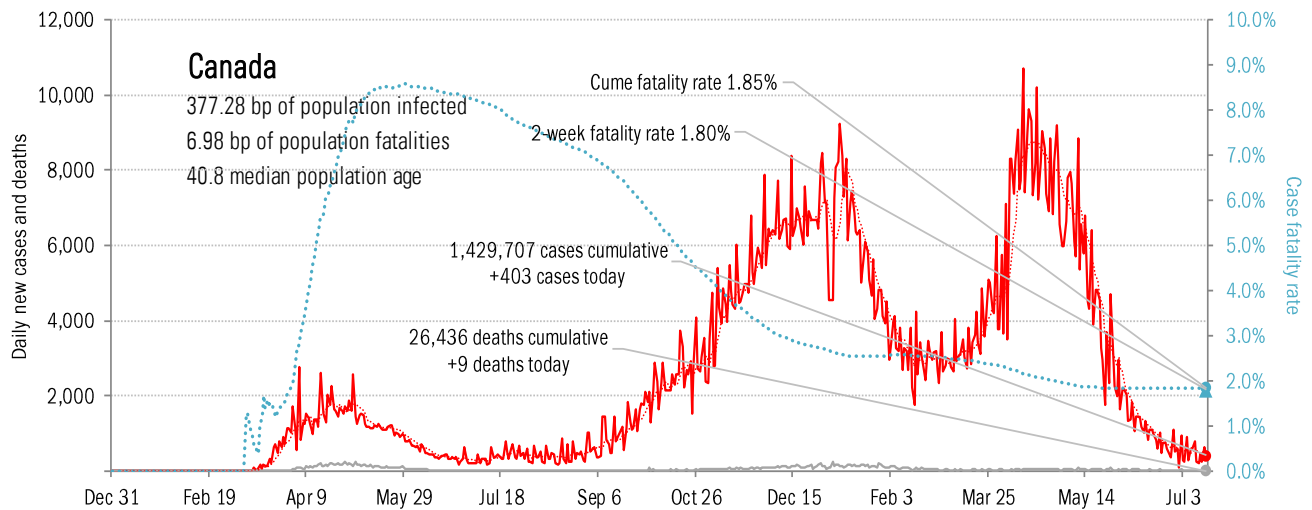
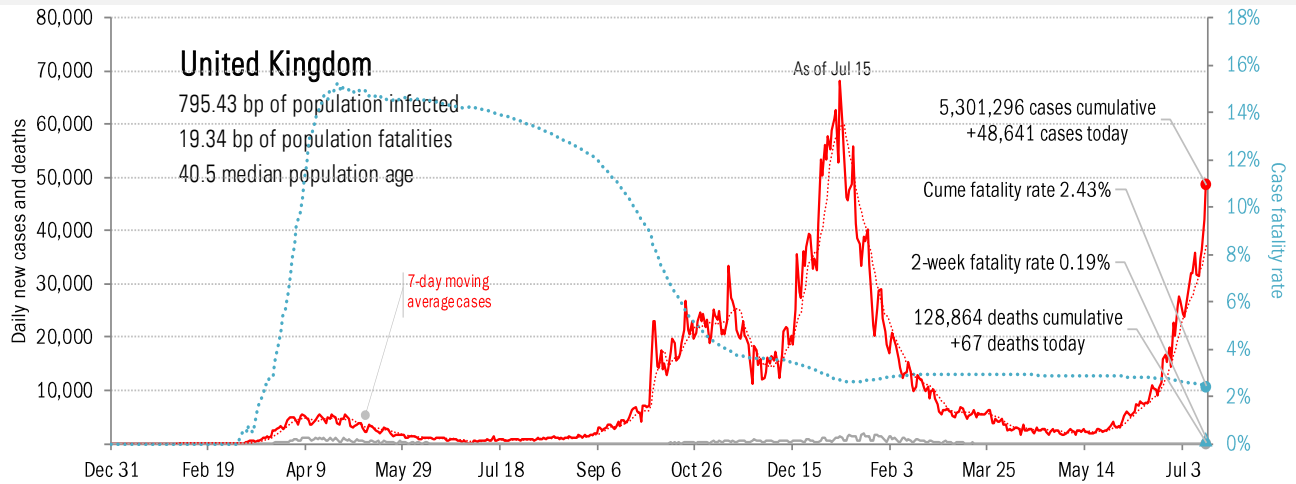
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



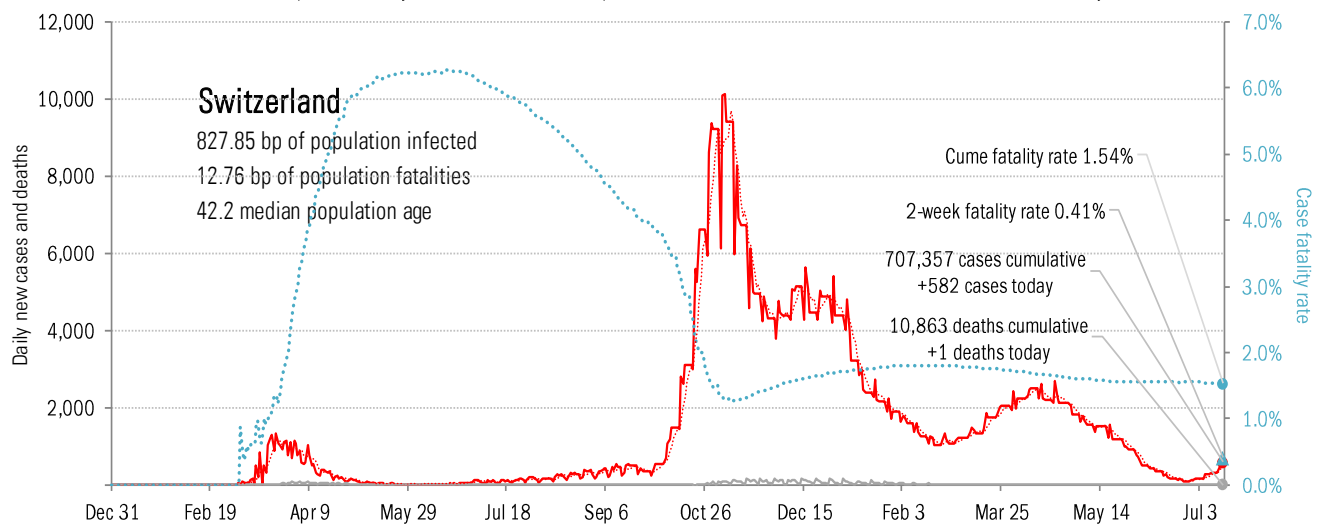
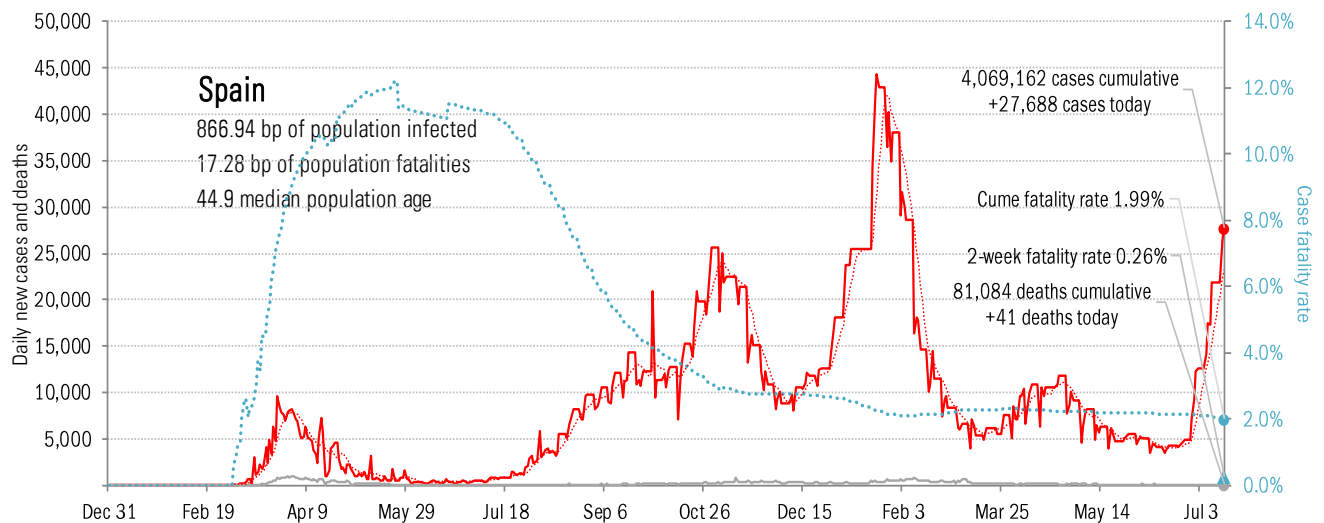
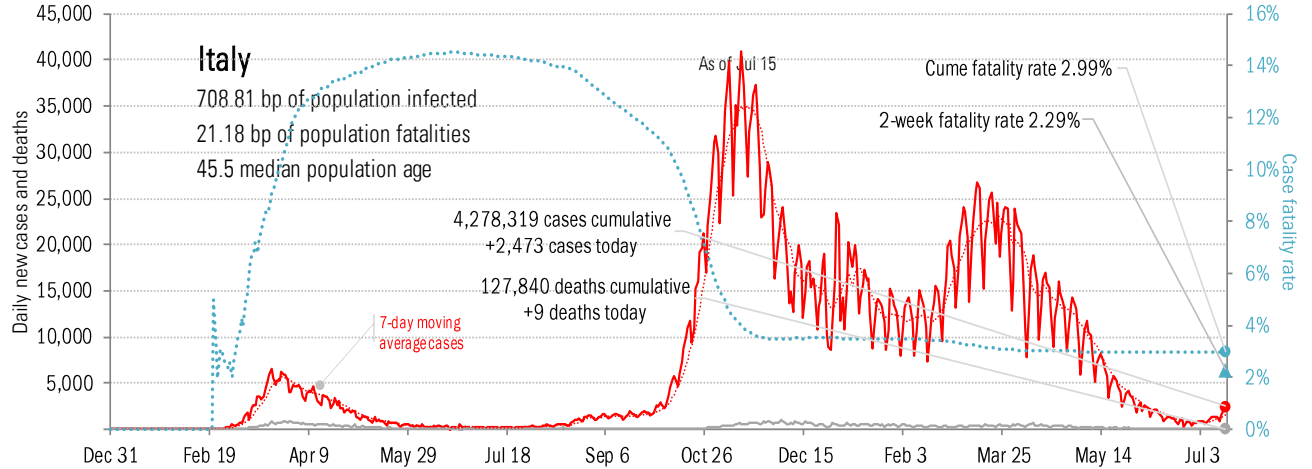
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



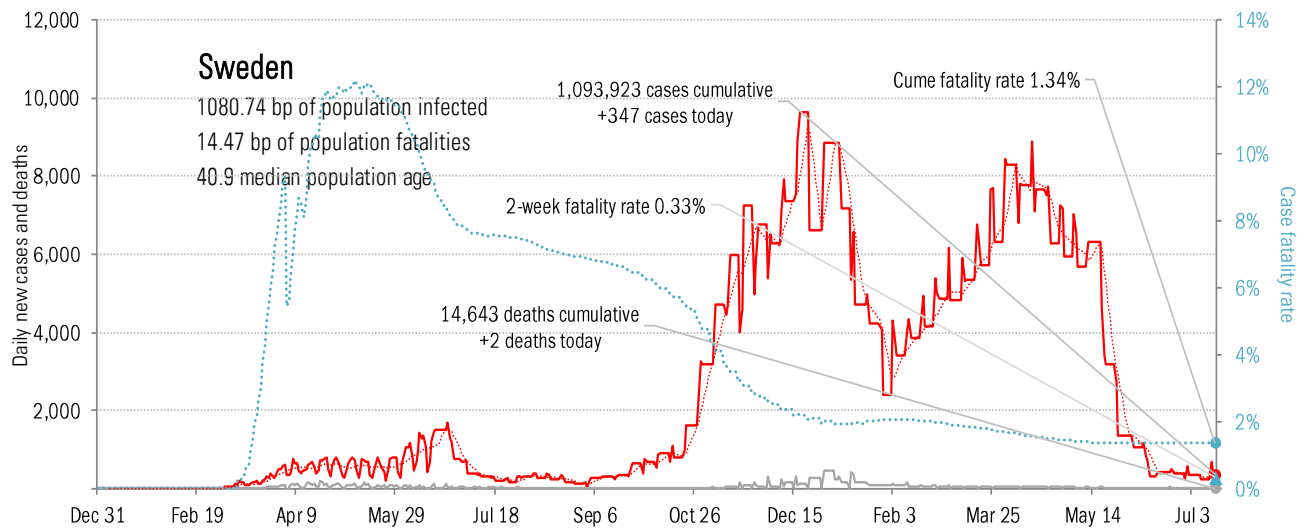
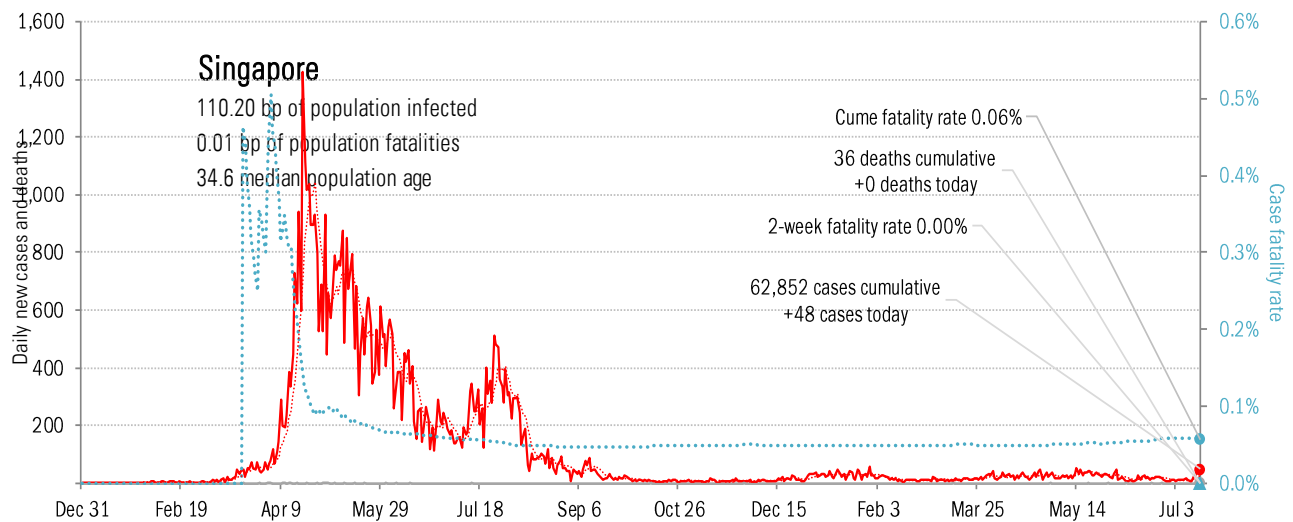
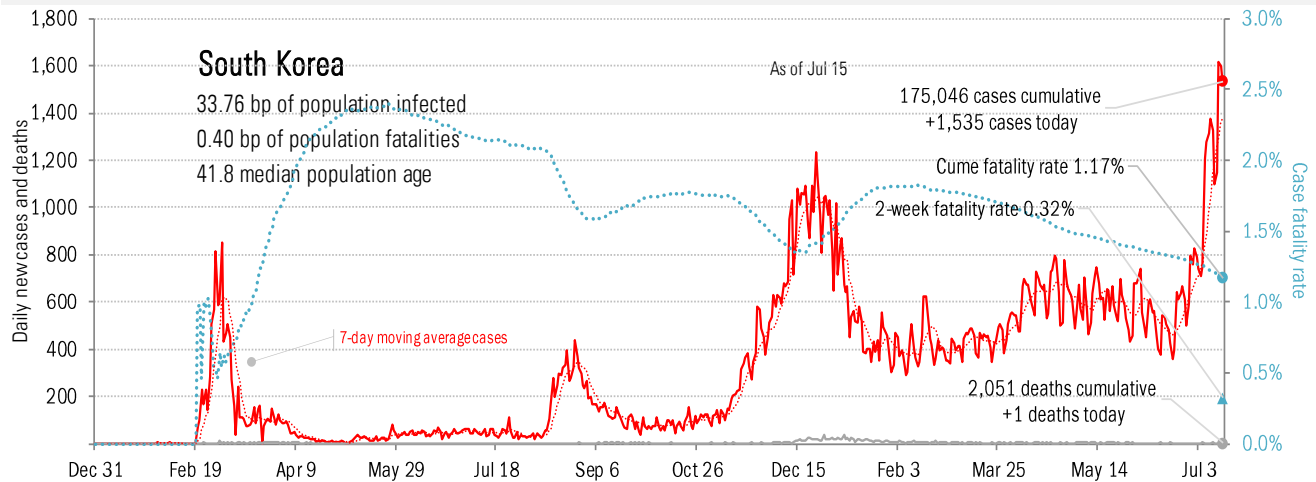
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



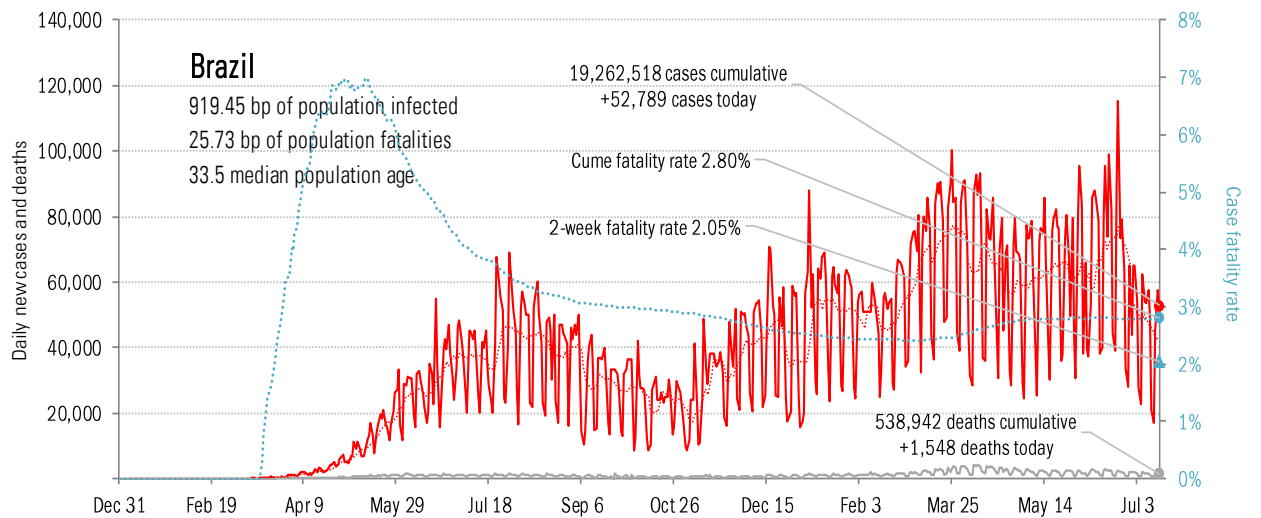
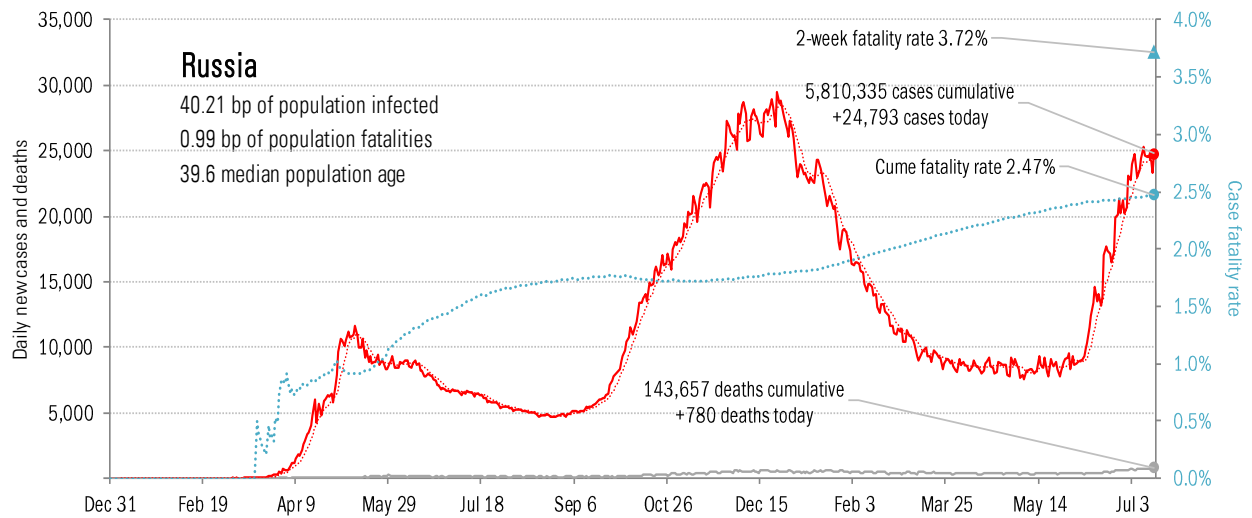
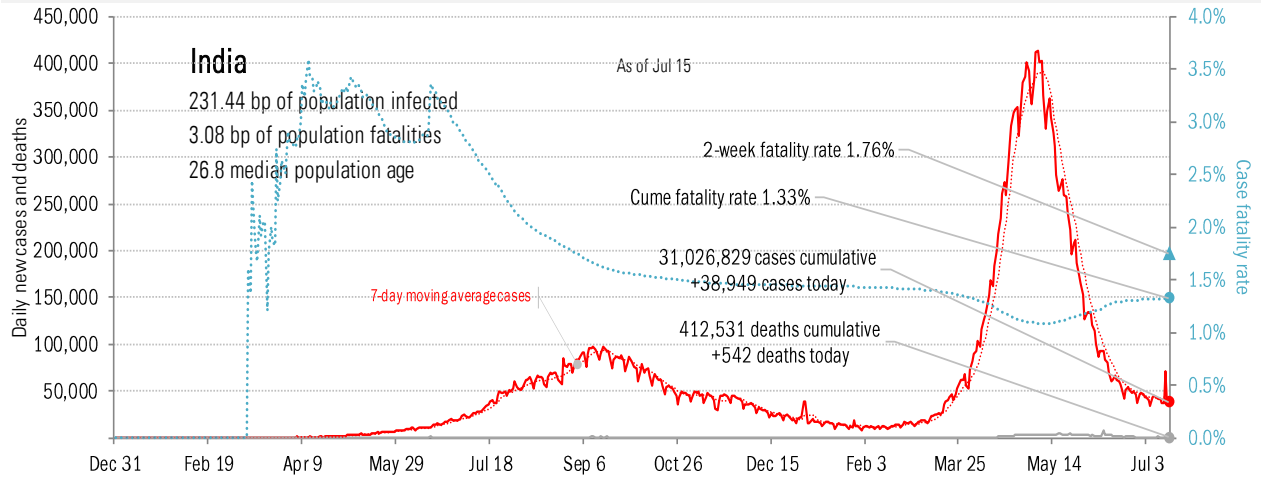
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



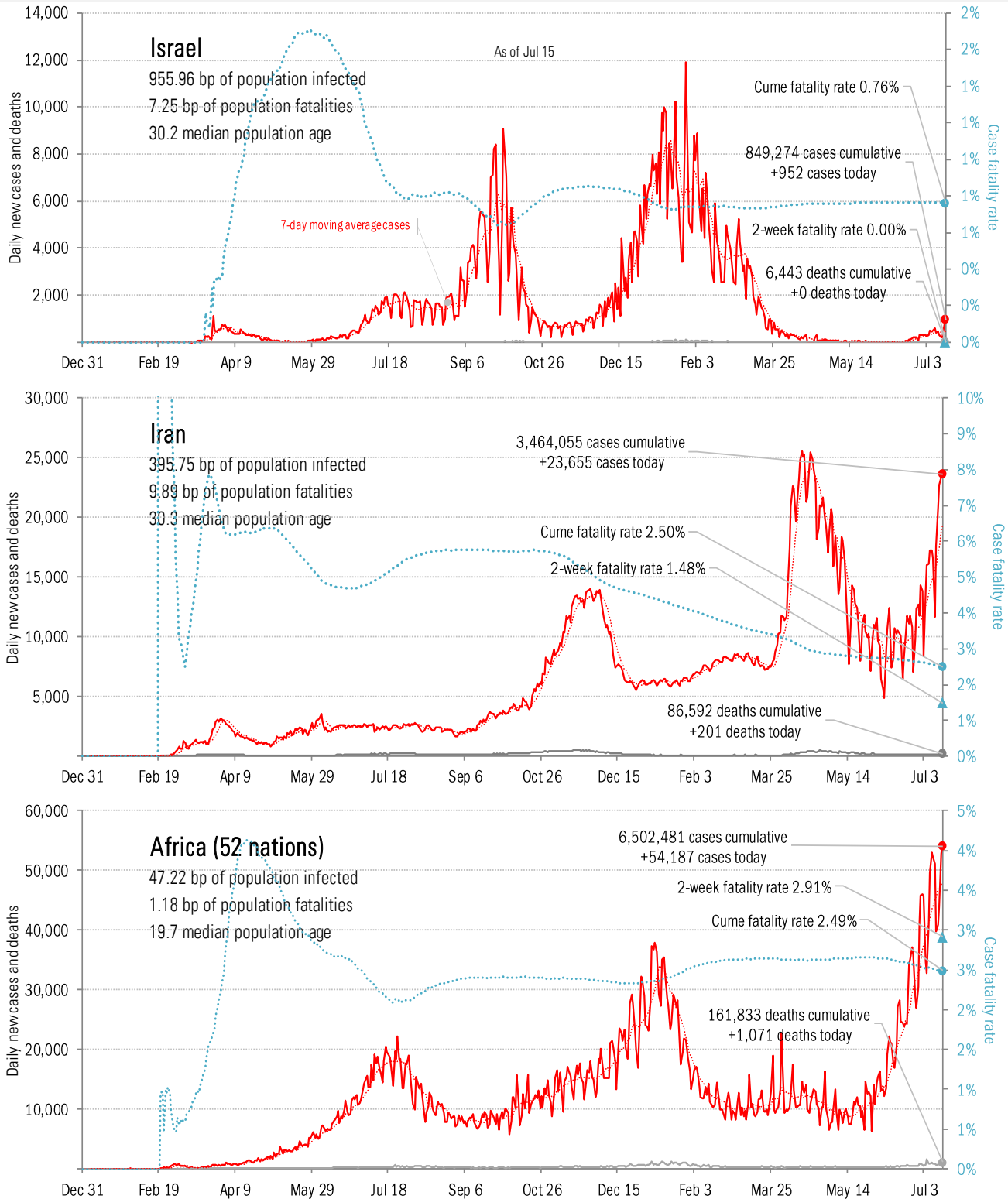
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



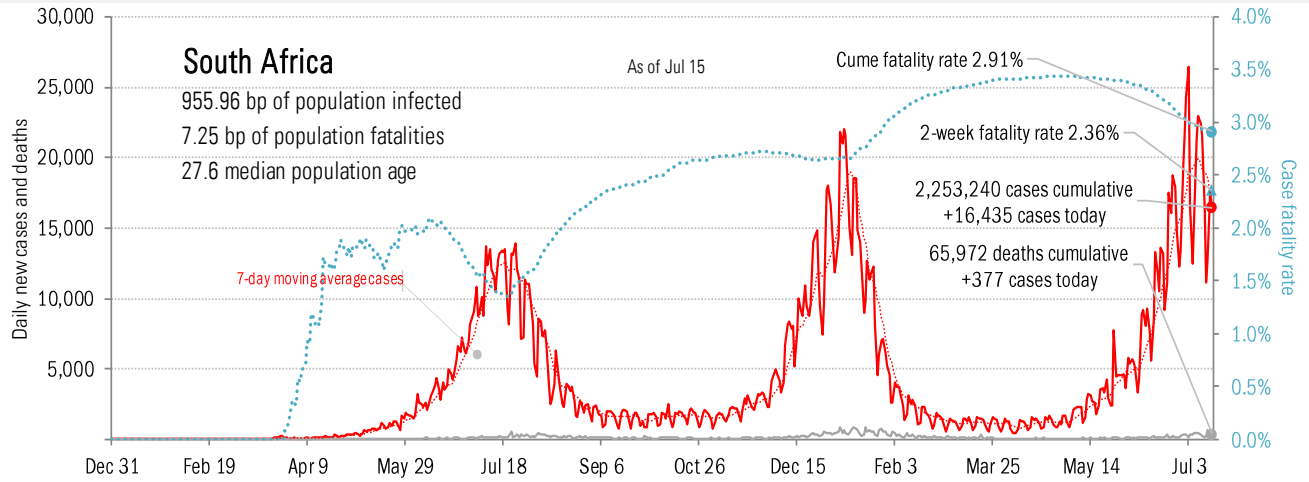
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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