

Data Insights: Covid-2019 Monitor

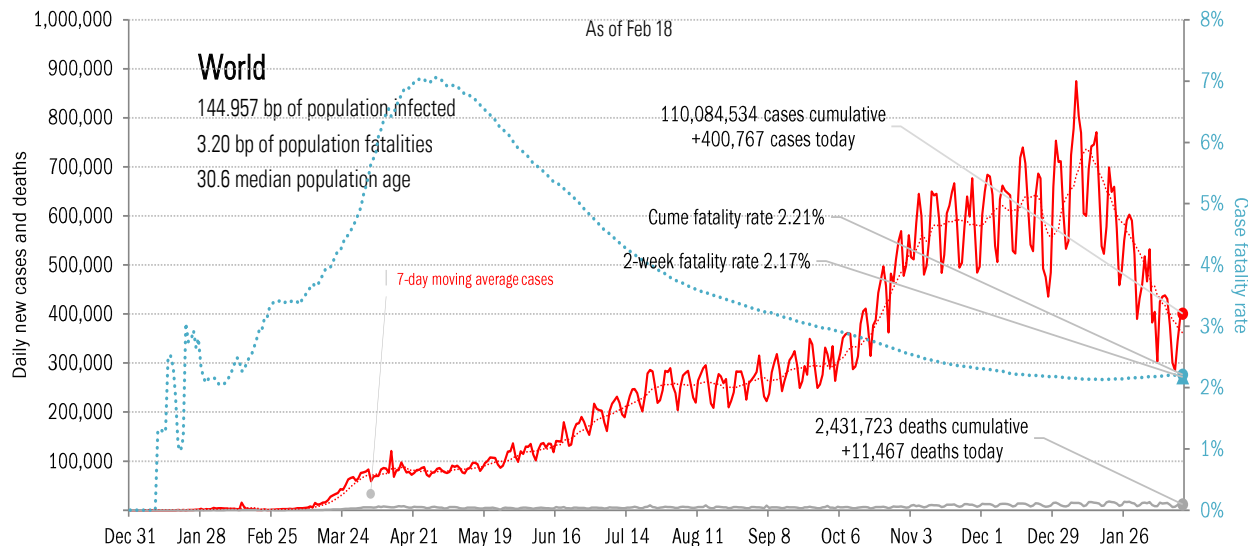
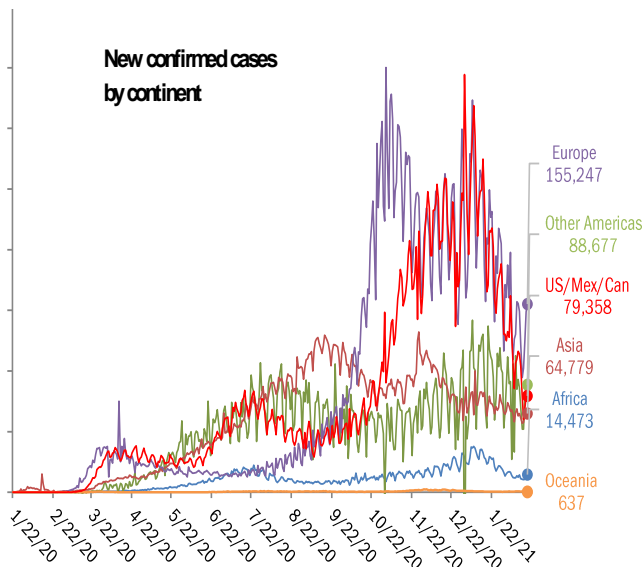
Friday, February 19, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
United States	+66,824	United States	+2,616
Brazil	+51,879	Brazil	+1,367
France	+22,518	Mexico	+1,047
Spain	+14,515	Germany	+513
Italy	+13,755	Russia	+469
Russia	+13,243	United Kingdom	+455
India	+13,193	Spain	+388
United Kingdom	+12,095	Italy	+347
Czechia	+10,930	Poland	+274
Germany	+9,845	France	+271
+228,797		+7,747	
World	+400,767	World	+11,467
Top ten	57%	Top ten	68%

New confirmed cases by continent



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

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The US scorecard

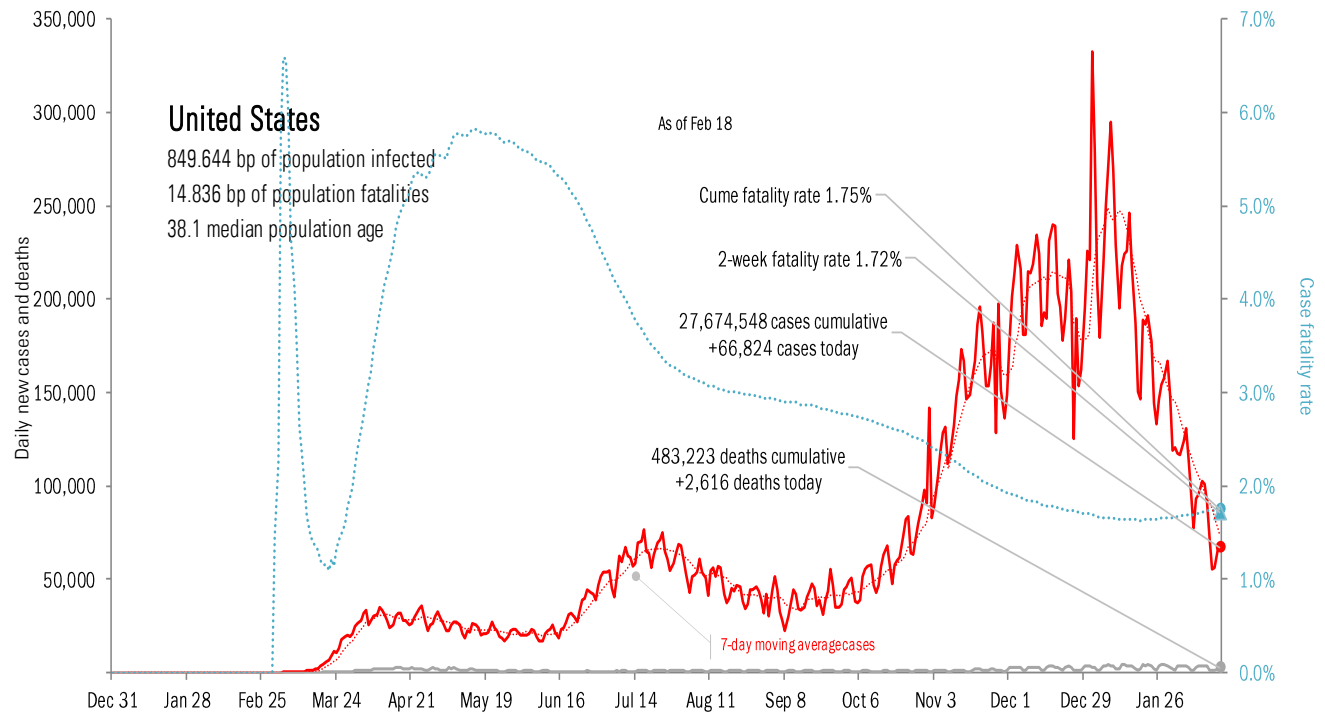
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NY	+6,794		CA	+417		TX	+265		CA	3,421,720		CA	47,924		NY	89,995		RI	101%	AL	88%
CA	+5,573		MO	+225		MT	+18		TX	2,574,194		TX	40,814		FL	78,295		GA	81%	GA	87%
FL	+5,030		AZ	+213		IA	+17		FL	1,816,108		NY	37,556		NJ	62,835		MA	81%	DC	83%
NC	+3,916		FL	+166		IN	+11		NY	1,555,773		FL	29,990		AZ	56,090		SC	80%	TX	82%
GA	+3,485		GA	+130		WI	+6		IL	1,168,683		PA	23,413		GA	54,173		FL	80%	FL	81%
PA	+3,345		NY	+116		AK	+5		GA	976,732		NJ	22,721		CH	49,061		CT	79%	NC	80%
NJ	+3,277		CH	+98		DC	+5		CH	947,389		IL	22,297		AL	44,767		DC	79%	CA	80%
TX	+3,131		TX	+97		TN	+5		PA	905,995		CH	16,611		IN	42,246		MD	78%	OK	80%
SC	+2,675		NC	+96		VA	+5		NC	833,423		GA	16,403		MD	34,168		PA	78%	RI	80%
VA	+2,304		PA	+94		NM	+4		AZ	802,198		MI	16,251		WI	25,556		AL	77%	MS	78%
+39,530			+1,652			+341			15,002,215			273,980			537,186						
All states	+66,824		+2,616			-1105			All states	27,674,548		483,223			850,740			All states	73%		73%
Top ten	59%		63%			-31%			Top ten	54%		57%			63%			Median	71%		70%

Some states not reporting

Five most improved US states

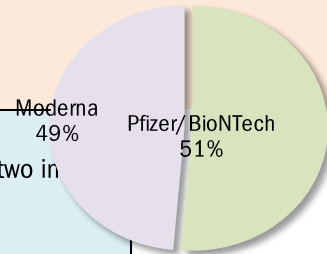
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-2,155	CA	-47,090	GA	-116	MA	+24,056
KS	-1,267	TX	-40,620	NY	-94	TX	+11,617
NJ	-832	NY	-37,324	CA	-69	AL	+10,624
WA	-638	FL	-29,658	CO	-61	CH	+4,415
TX	-635	PA	-23,225	NC	-58	PA	+2,943



Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	Over last day
73.38 million doses distributed	+0.95 million/day
57.74 million doses administered	+1.46 million/day
41.02 million persons with one shot	+0.75 million/day
16.16 million persons with two shots	+0.69 million/day
6.18 million shots long-term care residents/staff	+0.11 million/day
78.7% of distributed doses administered	
12.3% of US pop 1 shot	4.8% 2 shots
100% of LTC 1 shot	41.1% 2 shots



At today's dosing pace,
every American will have two in
411 days
by Apr 5, 2022

US will achieve herd immunity in
193 days
by Aug 29, 2021

State	
Doses distributed as % population	Best
One shot received as % population	Middle
Two shots received as % population	Worst

AK
37.1%
18.2%
8.9%

ME
23.9%
13.0%
4.9%

WI
21.4%
13.1%
4.6%

VT
24.3%
12.8%
6.2%

NH
23.7%
11.6%
5.1%

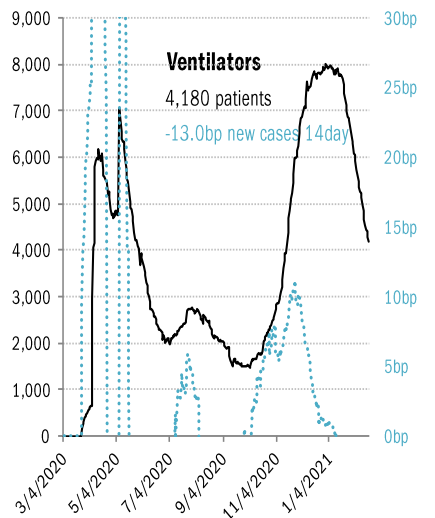
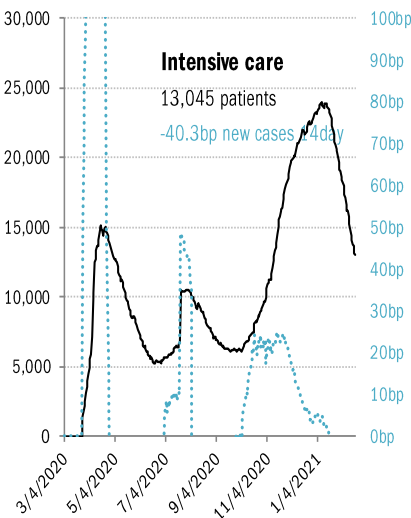
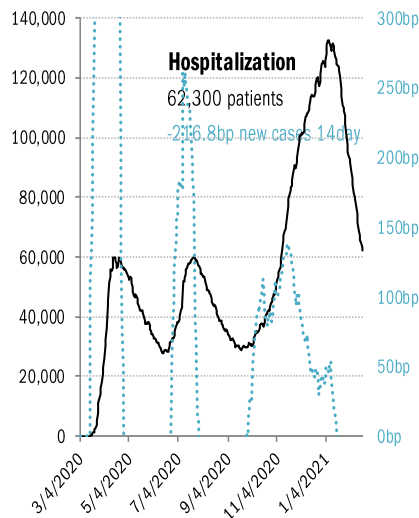
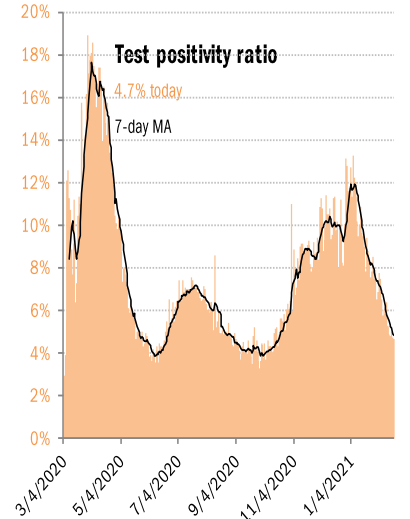
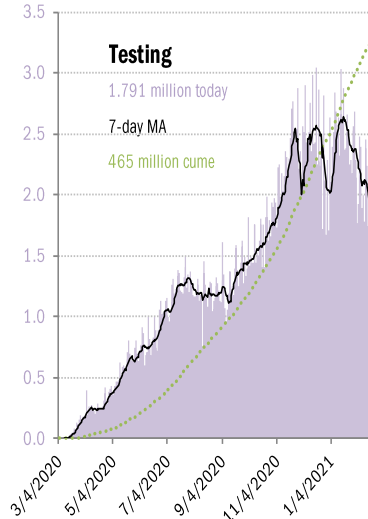
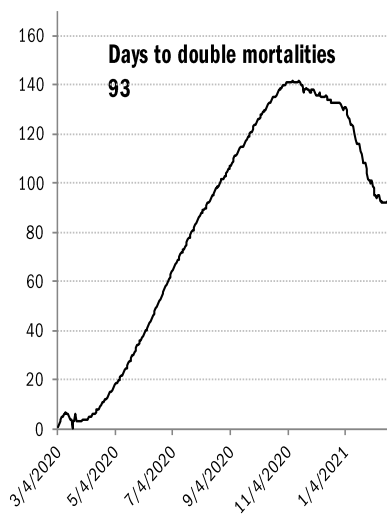
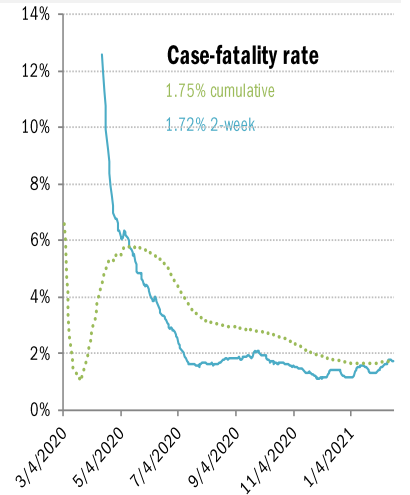
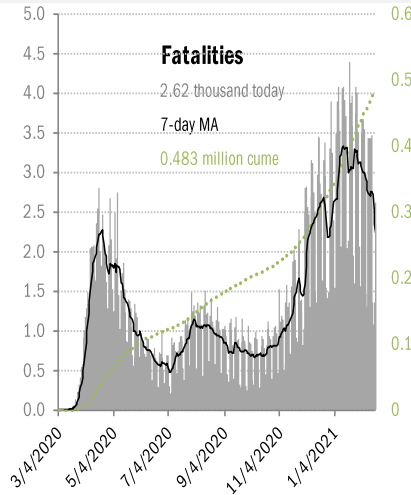
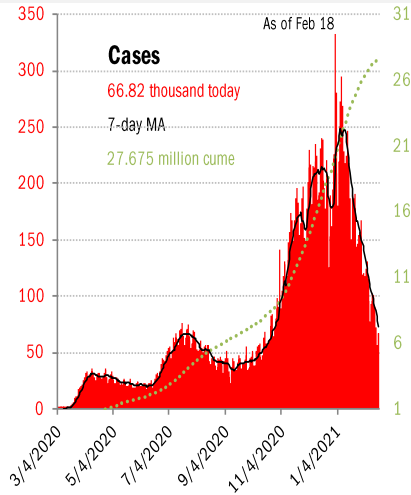
WA 19.7% 12.0% 4.3%	ID 18.8% 10.9% 4.0%	MT 19.5% 12.8% 5.0%	ND 21.4% 13.7% 6.6%	MN 21.3% 12.4% 4.6%	IL 21.4% 12.3% 3.5%	MI 21.8% 11.6% 5.5%	NY 20.7% 11.2% 5.1%	MA 22.1% 13.2% 4.4%	OR 20.8% 11.8% 5.0%	NV 19.3% 11.3% 3.8%	WY 22.0% 13.0% 5.2%	SD 22.3% 13.2% 6.2%	IA 20.6% 12.0% 3.9%	IN 21.6% 11.9% 4.8%	OH 20.5% 11.5% 4.4%	PA 21.3% 11.5% 4.0%	NJ 20.2% 12.4% 4.9%	CT 25.9% 14.7% 6.5%	RI 22.1% 10.2% 4.9%	CA 22.1% 12.3% 4.0%	UT 19.3% 10.1% 3.9%	CO 22.3% 12.6% 5.6%	NE 22.1% 10.7% 5.0%	MO 18.7% 10.5% 4.2%	KY 21.3% 11.6% 4.6%	WV 24.6% 14.2% 8.3%	VA 20.1% 12.6% 4.6%	MD 20.7% 11.0% 4.4%	DE 19.4% 12.5% 3.9%	AZ 19.2% 12.6% 3.9%	NM 21.7% 14.6% 6.9%	KS 20.0% 10.4% 3.9%	AR 22.0% 11.5% 4.7%	TN 20.7% 10.1% 4.7%	NC 20.2% 11.8% 5.2%	SC 18.2% 10.9% 3.9%	DC 27.5% 12.6% 5.9%	OK 20.6% 12.3% 5.3%	LA 20.0% 11.5% 5.6%	MS 20.7% 10.7% 4.0%	AL 21.1% 10.3% 3.4%	GA 20.2% 10.1% 4.4%	HI 22.7% 12.3% 5.2%	TX 18.1% 10.6% 4.3%	FL 21.9% 11.9% 5.7%	PR 23.0% 8.9% 3.8%
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As of Feb 18

Source: [CDC](#), [CDC](#), TrendMacro calculations

US deep-dive

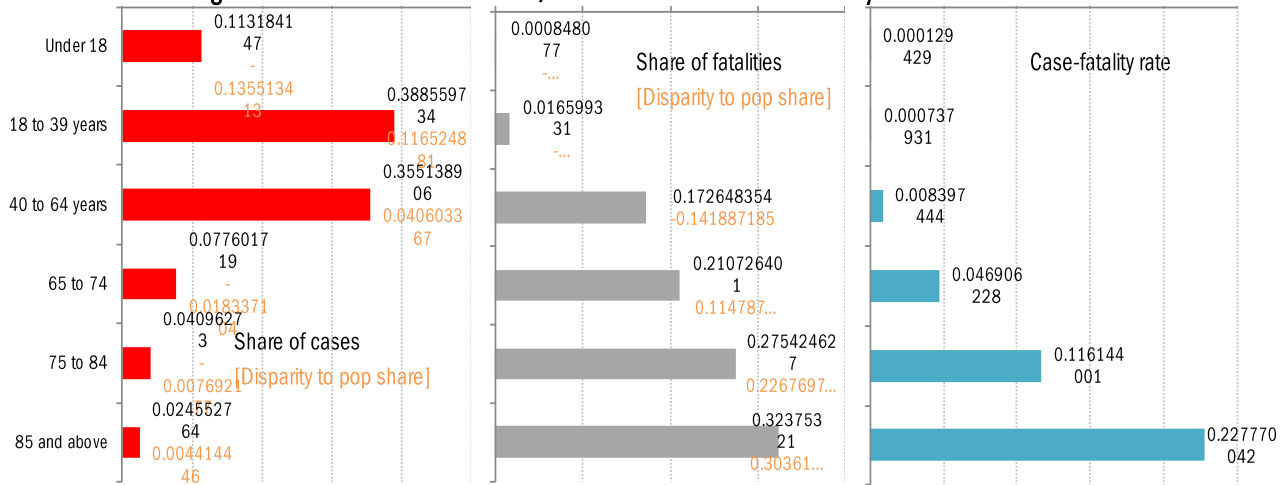
National and state-by-state data do not line up because of different sources



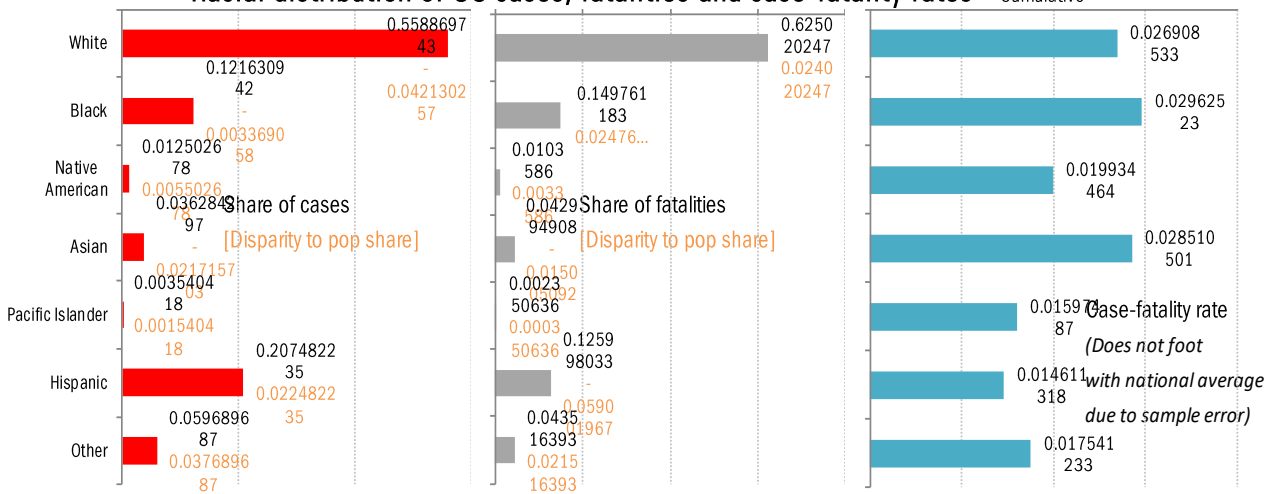
Source: [Covid Tracking Project](#), TrendMacro calculations

US deep-dive on the demographics of age, race and health

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

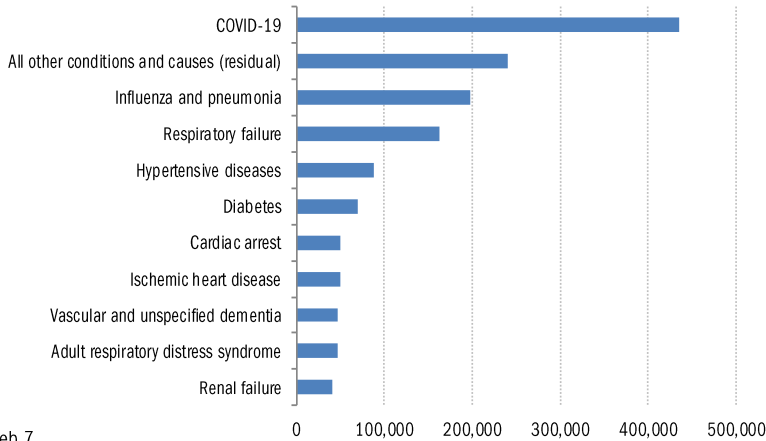


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Feb 7

For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 2.9 additional conditions or causes per death.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Follow the Science, Not the Teachers Unions](#)

Chris Christie
Wall Street Journal
February 18, 2021

[Biden to announce \\$4B for global coronavirus vaccine effort during G-7 call](#)

Rob Crilly
Washington Examiner
February 18, 2021

[A progressive parent's rant about the politics surrounding school reopening](#)

Rebecca Bodenheimer
Medium
February 13, 2021

[Fauci: 'I Prefer Not to Comment' on Gov. Cuomo Mishandling Coronavirus](#)

Trent Baker
Breitbart
February 16, 2021

[A Covid Bill's Hidden Tax Increase](#)

Wall Street Journal
February 17, 2021

[My Mother Got Covid in a New York Nursing Home](#)

Kieran E. Morris
Wall Street Journal
February 17, 2021

['How Many Funerals Will Come Out of This One?'](#)

Patrick Kingsley
New York Times
February 17, 2021

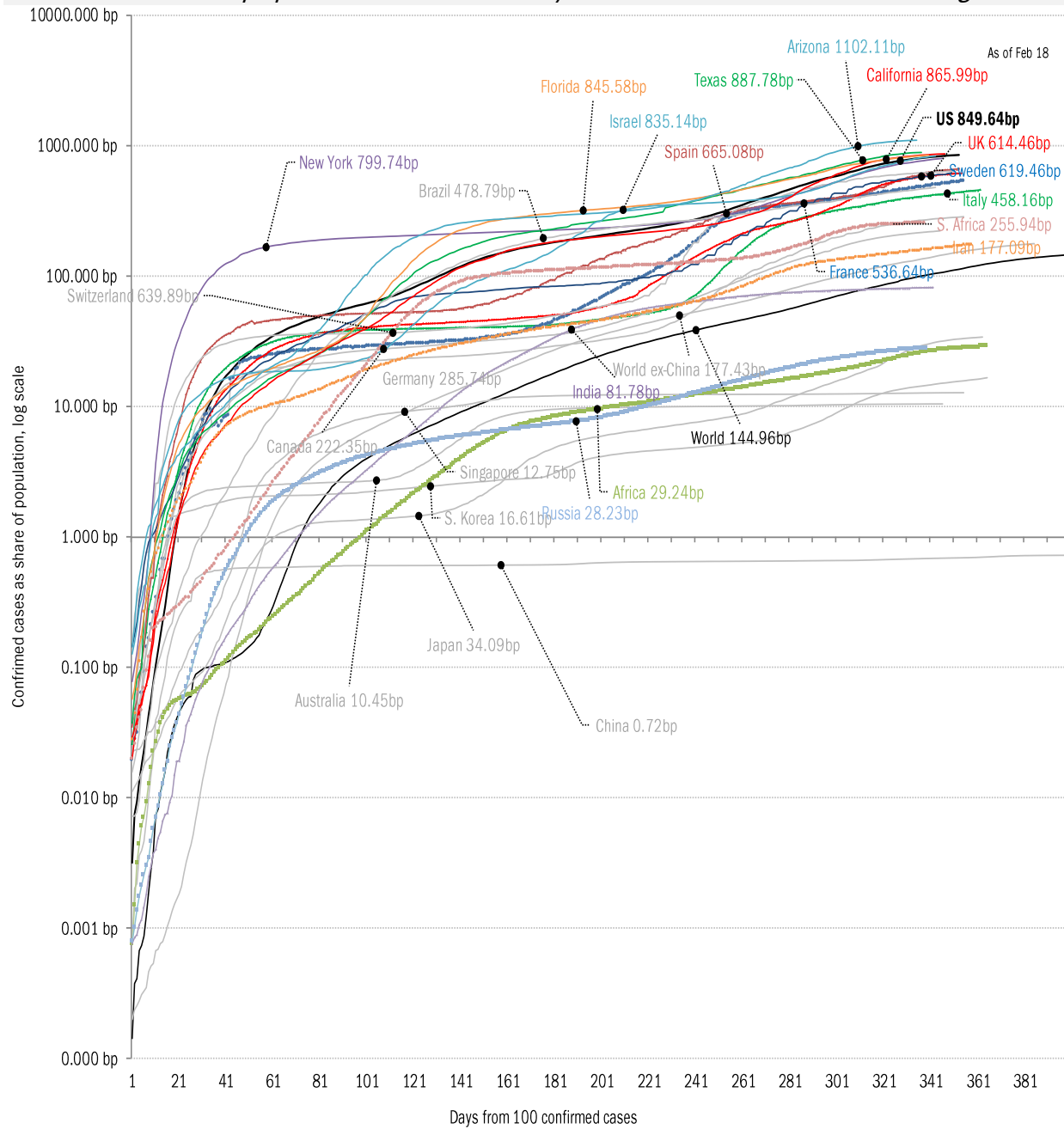
Meme of day



Fauci Says We Can Fight Virus By Wearing Up To Three Leeches

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

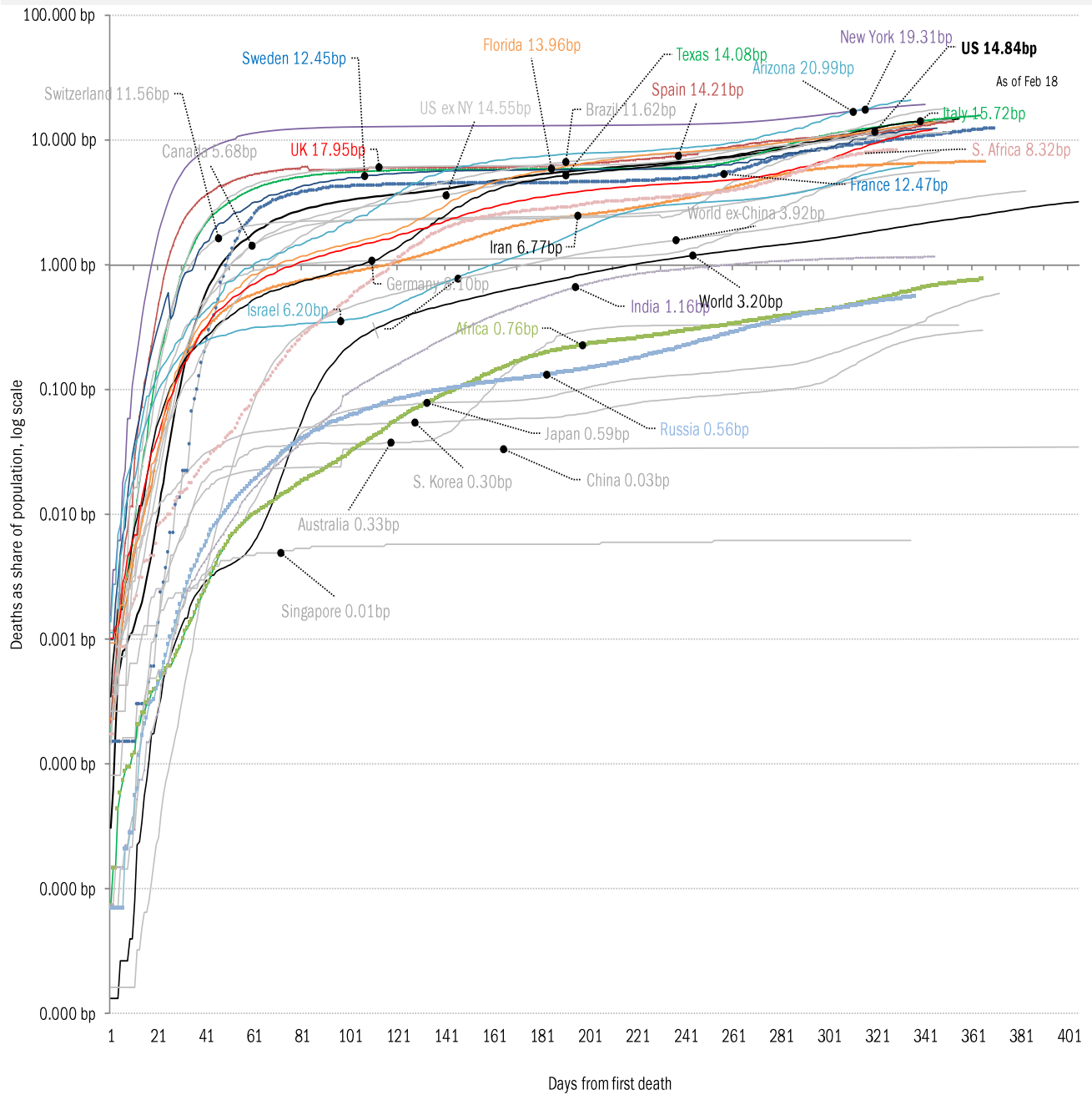
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

The coronavirus mortality accelerometer ... tracking the world's fatality curves

Share of deceased population from day of first fatality

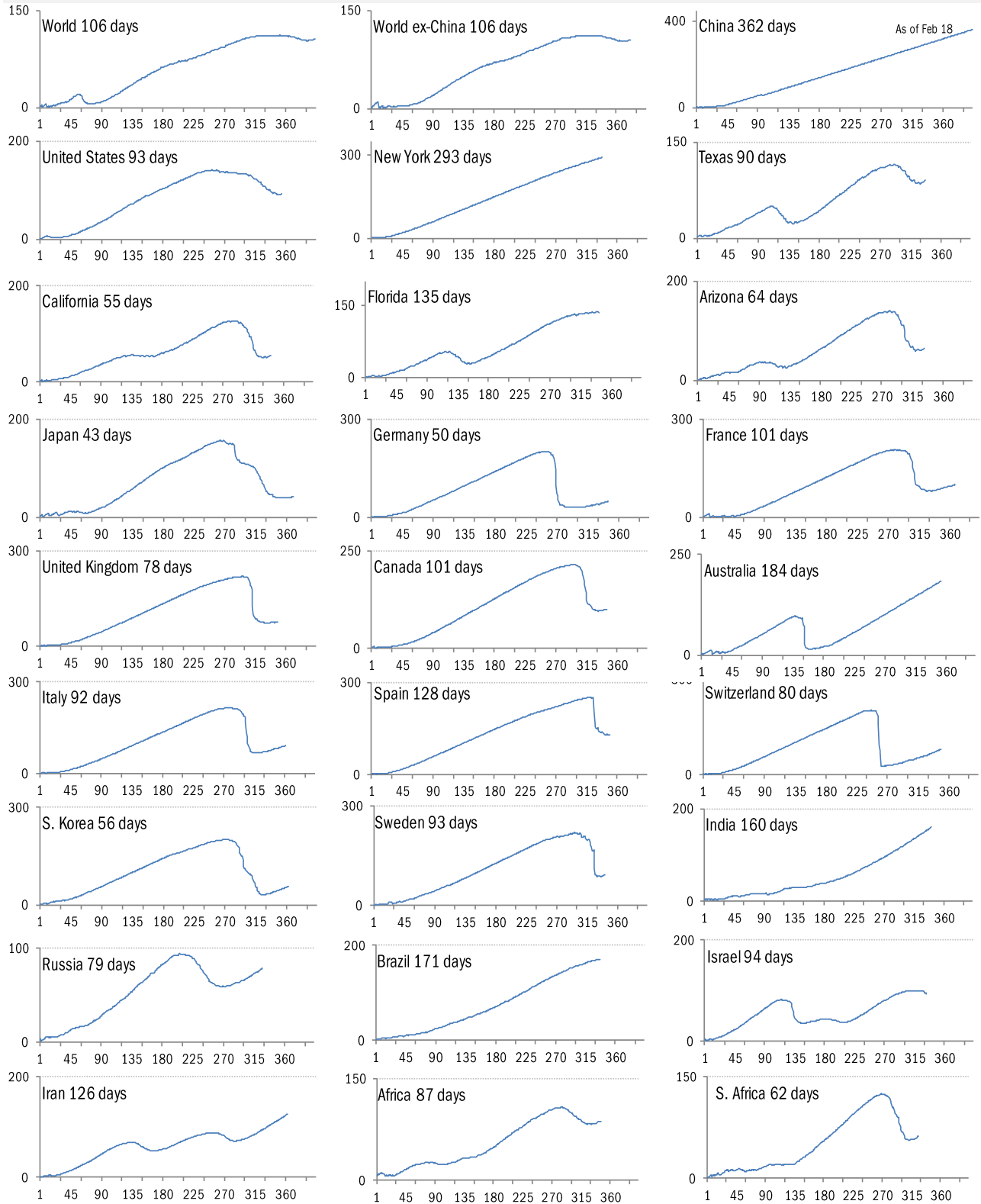


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

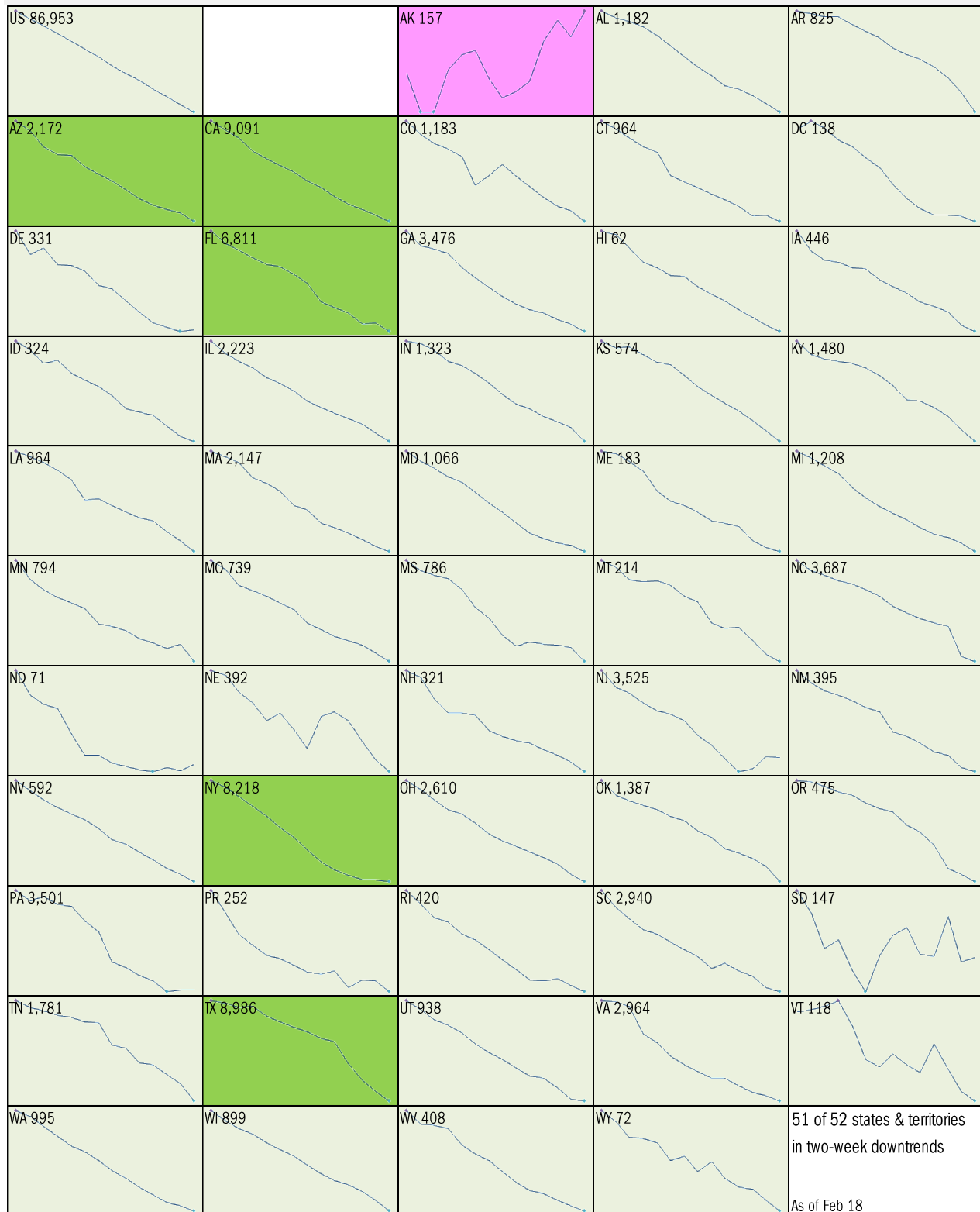
Vertical: days to double deaths Horizontal: days from first death

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



Source: [Johns Hopkins](#), [Covid Tracking Project](#), 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

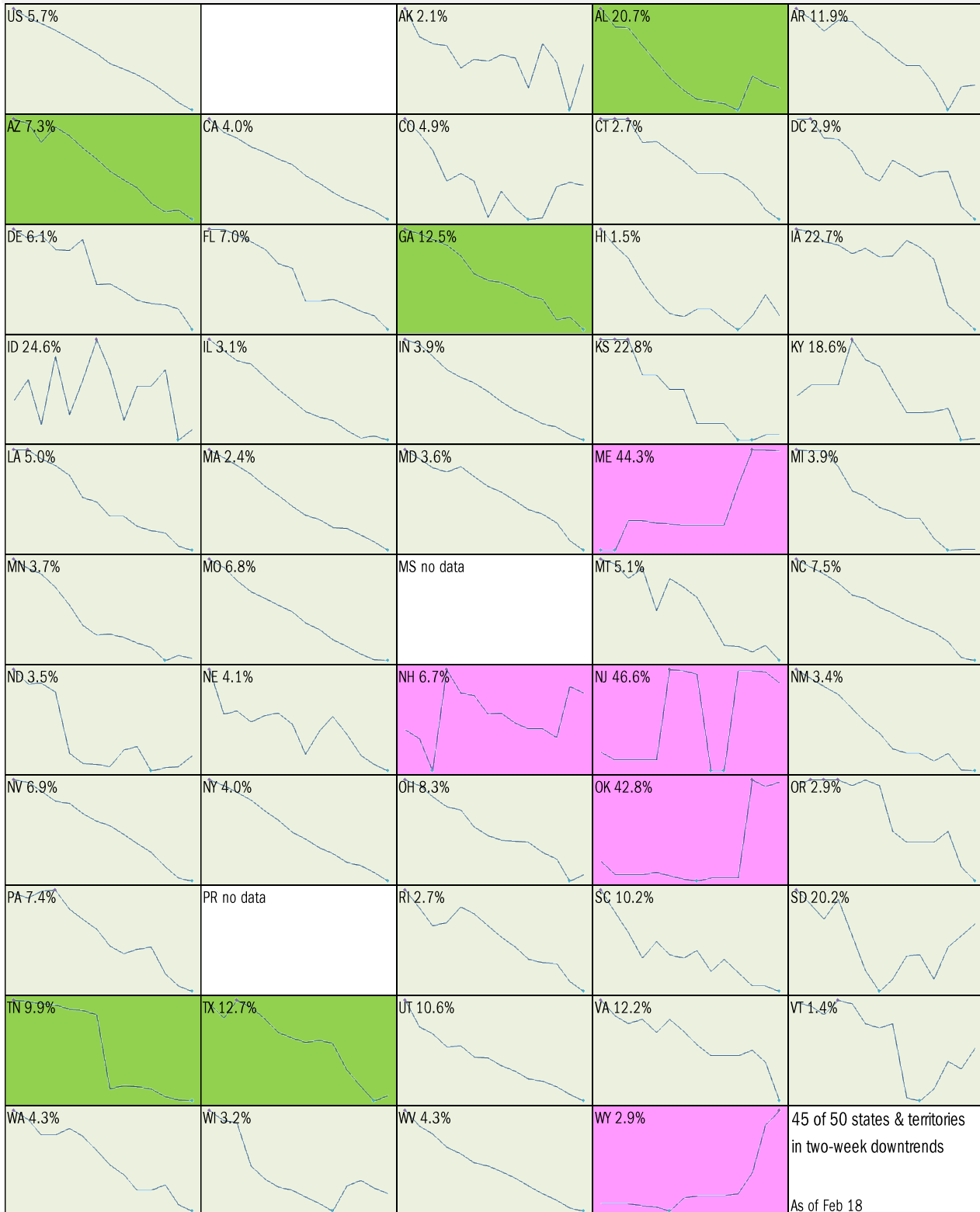


Source: [Covid Tracking Project](#), TrendMacro calculations

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

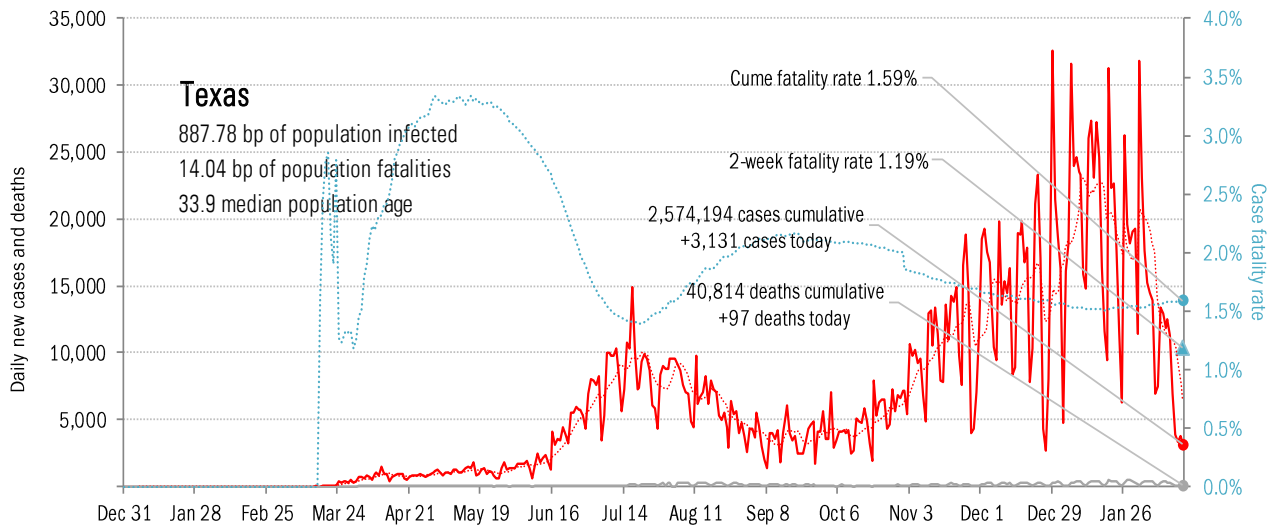
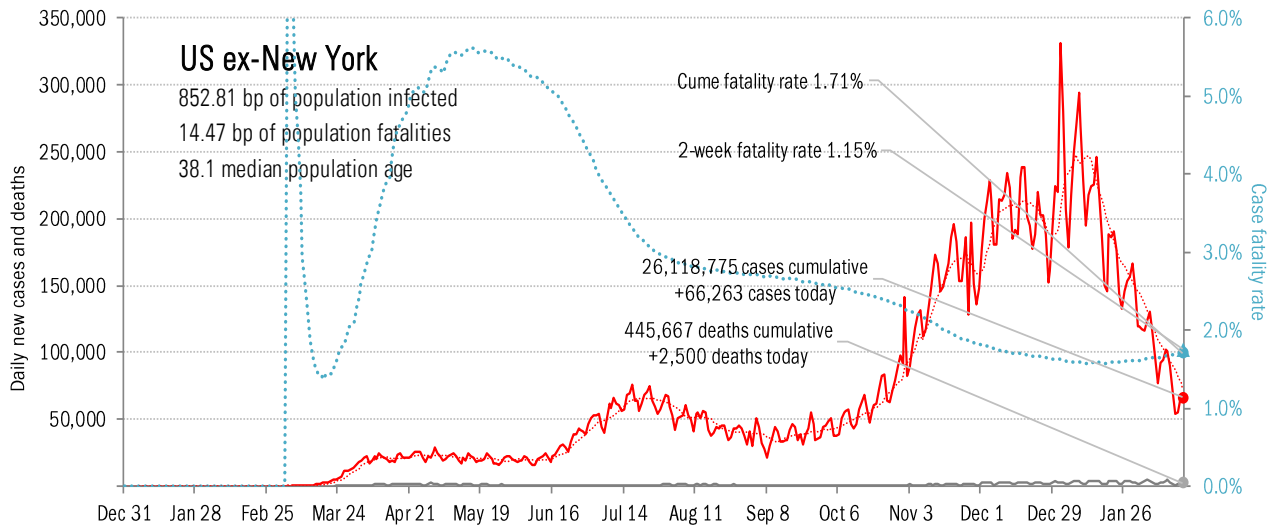
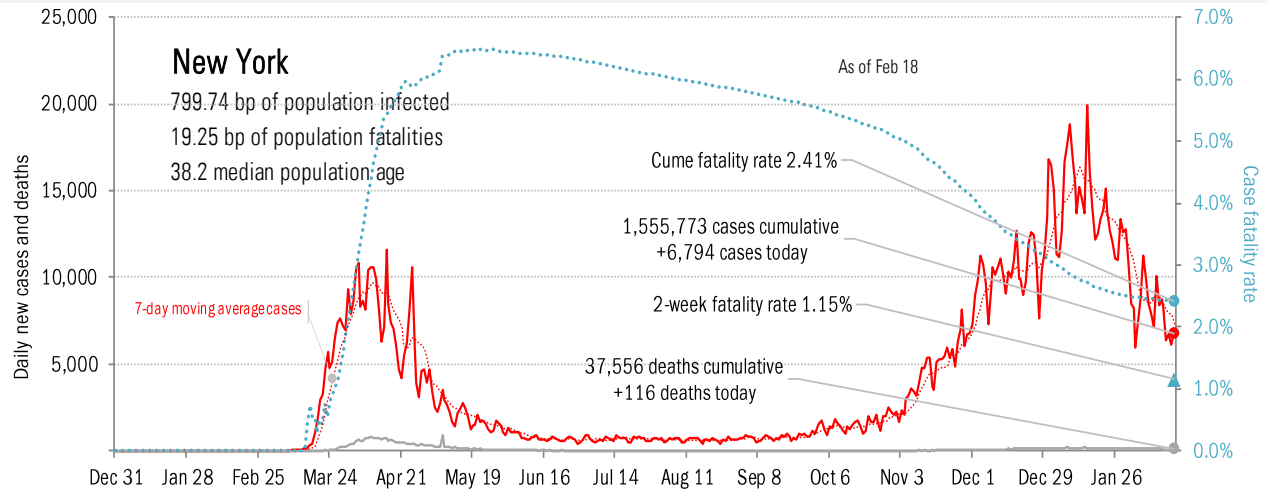
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



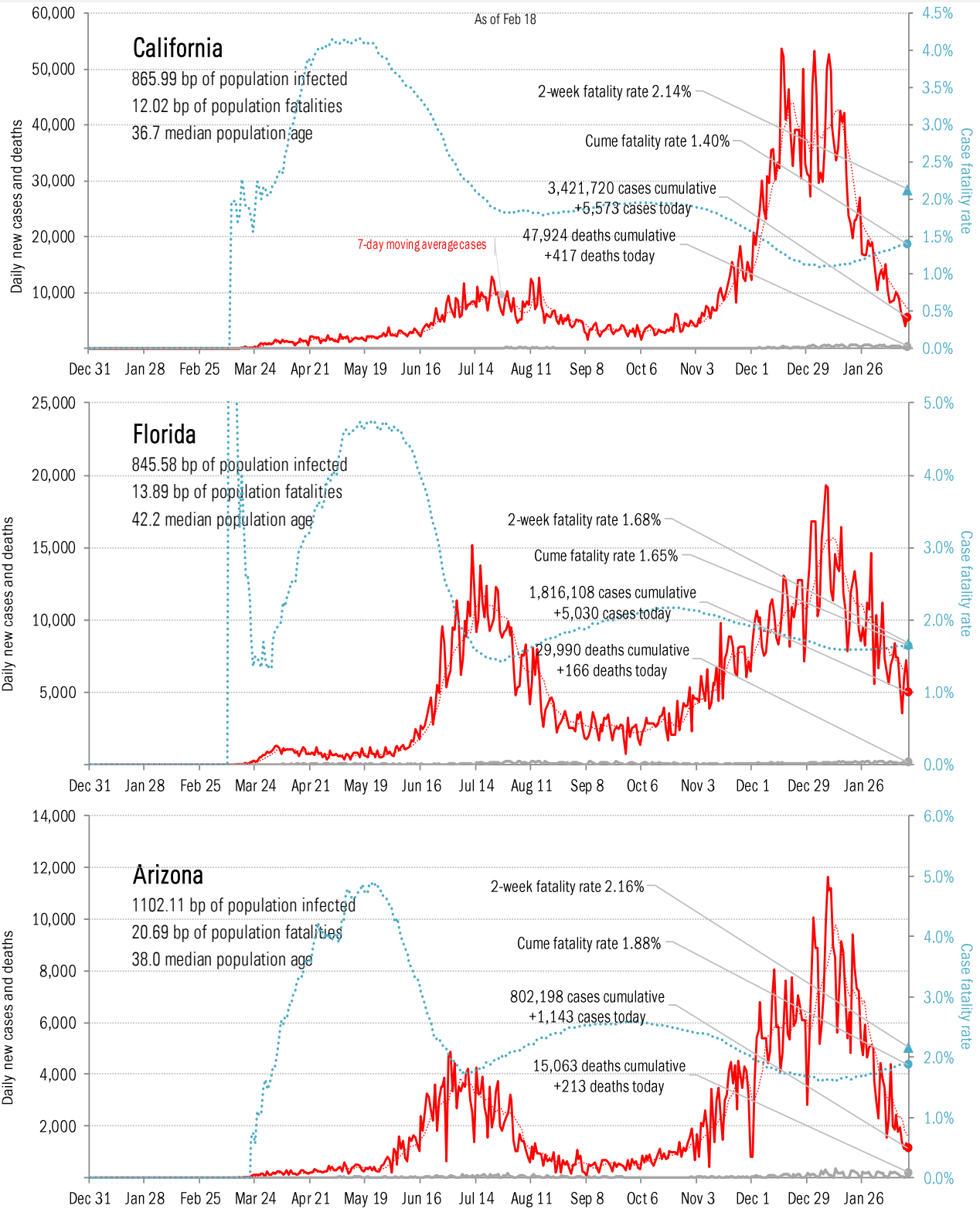
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



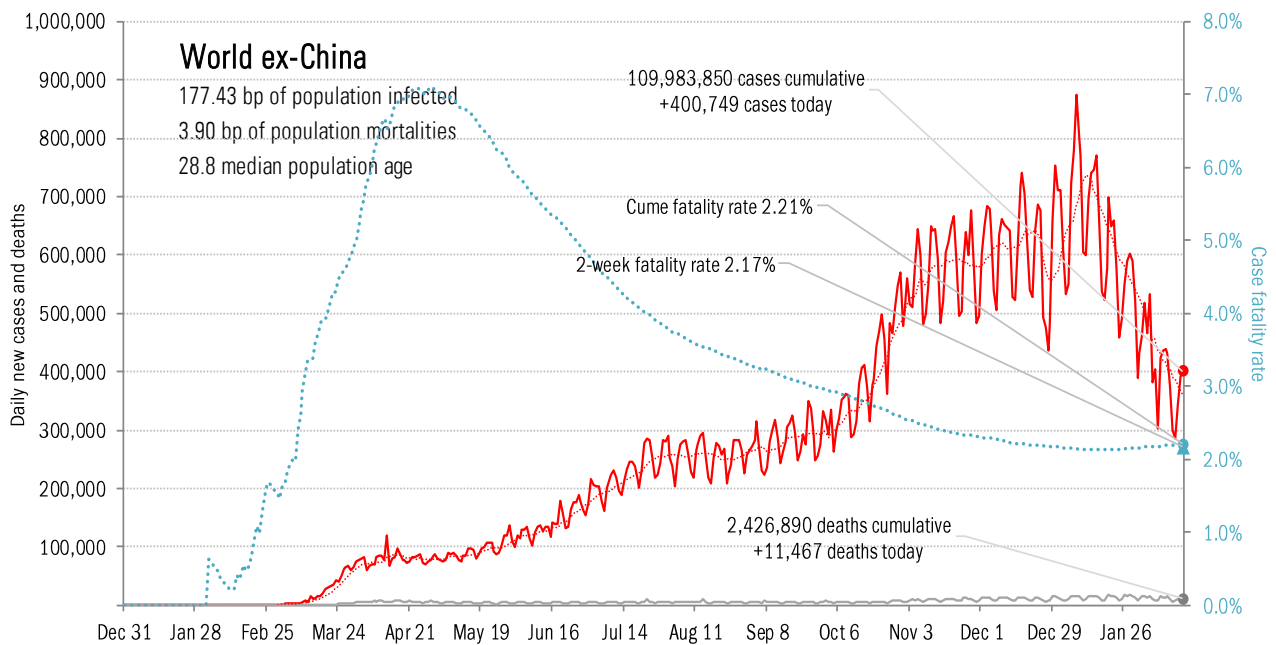
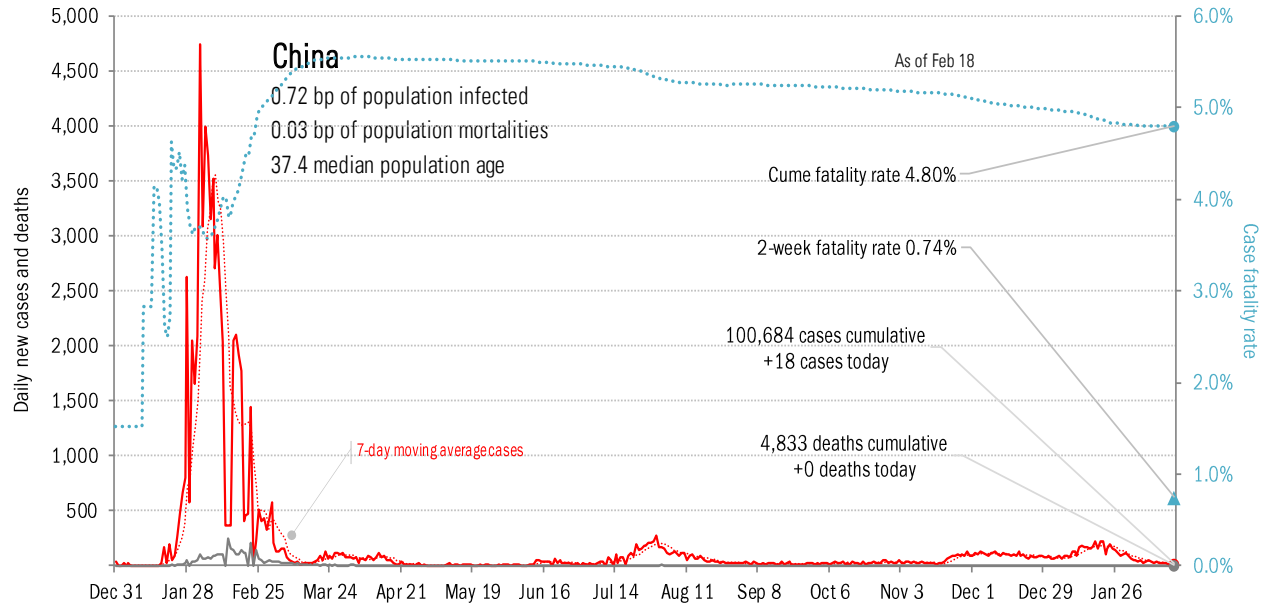
Source: [Covid Tracking Project](#), TrendMacro calculations

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



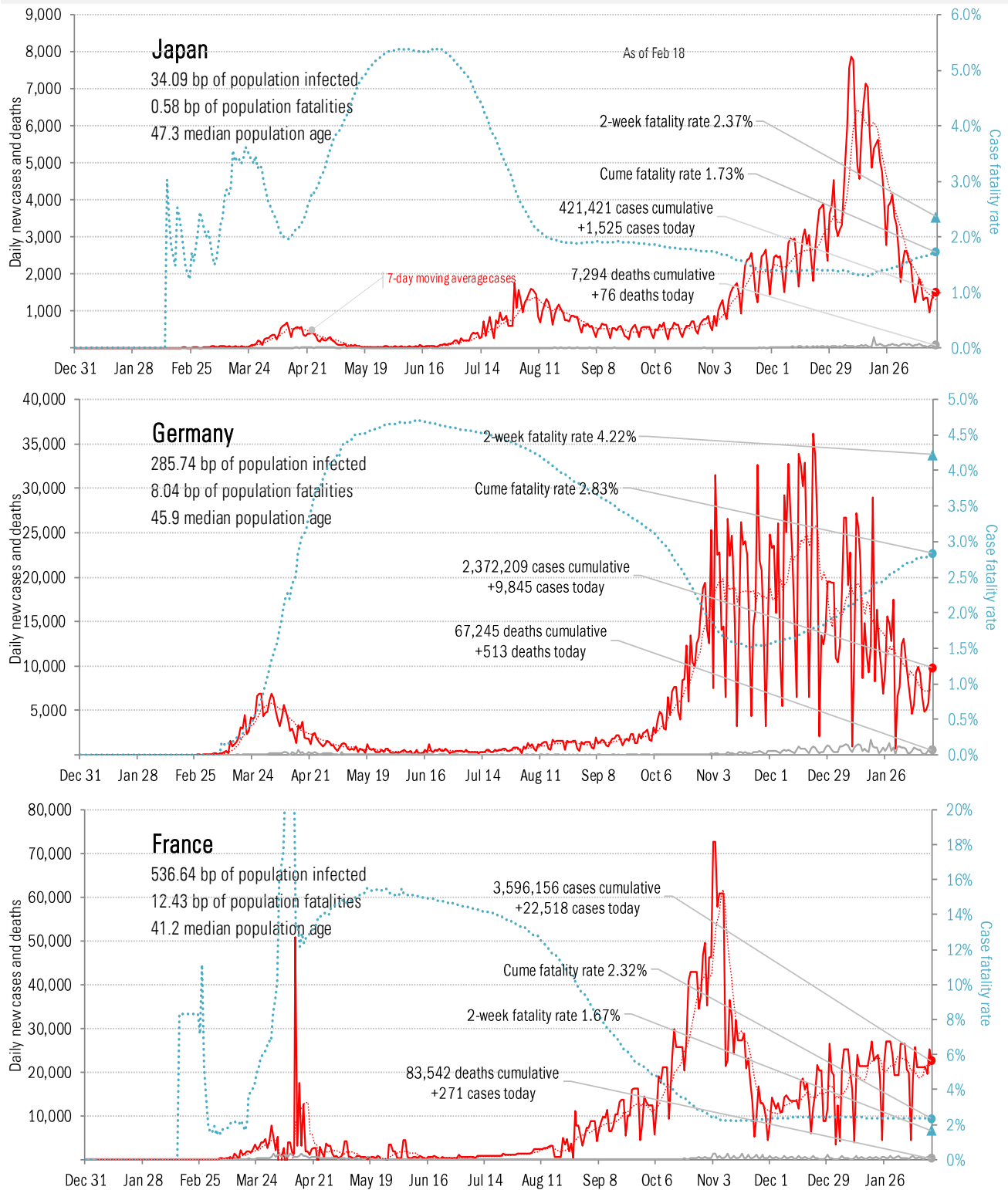
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



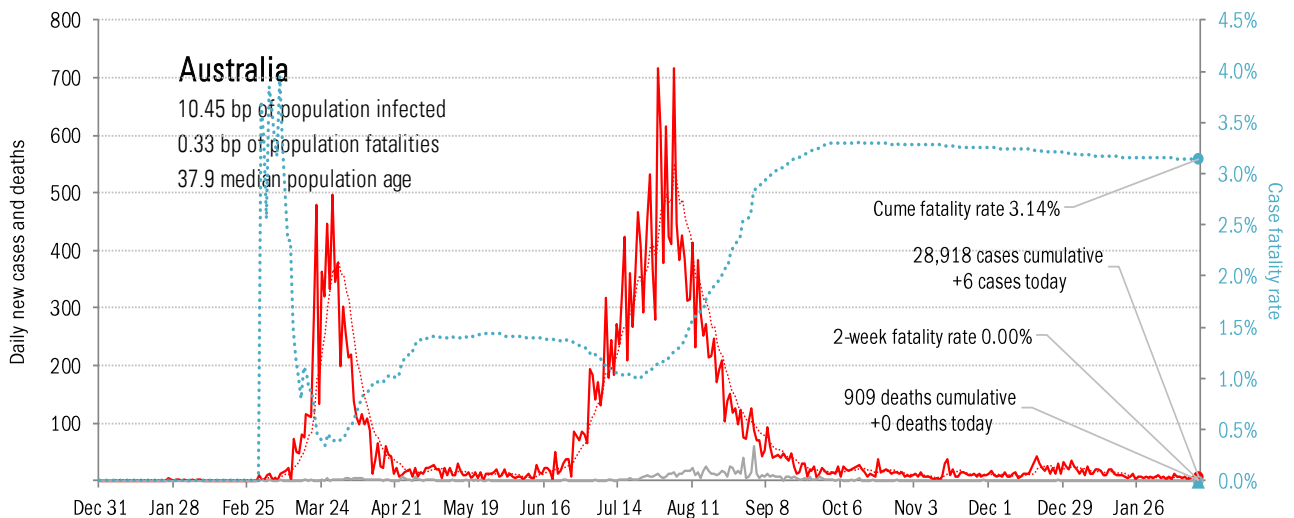
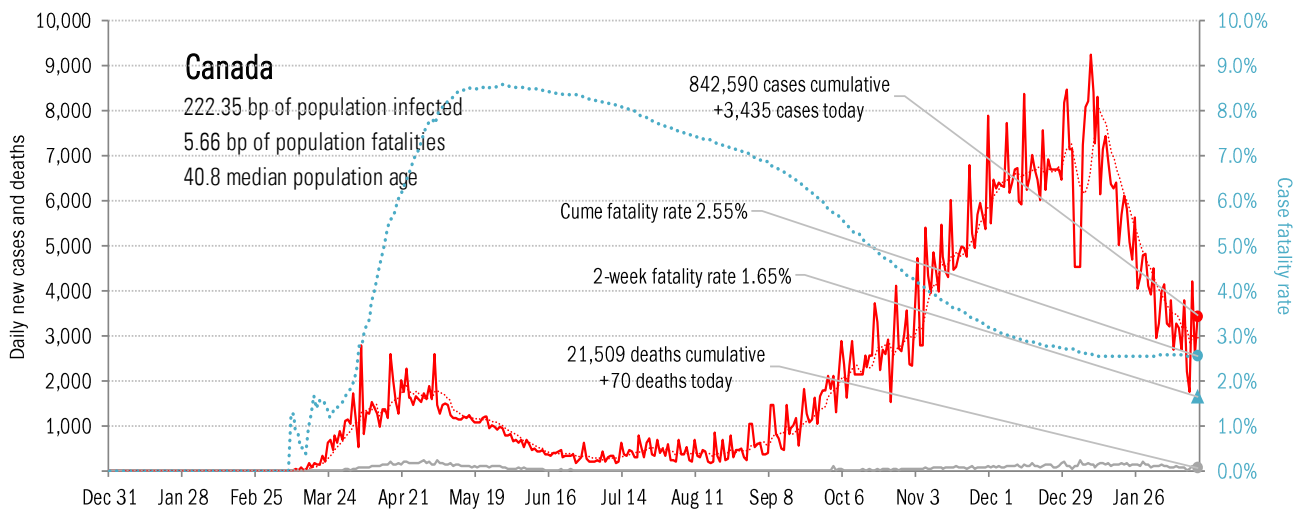
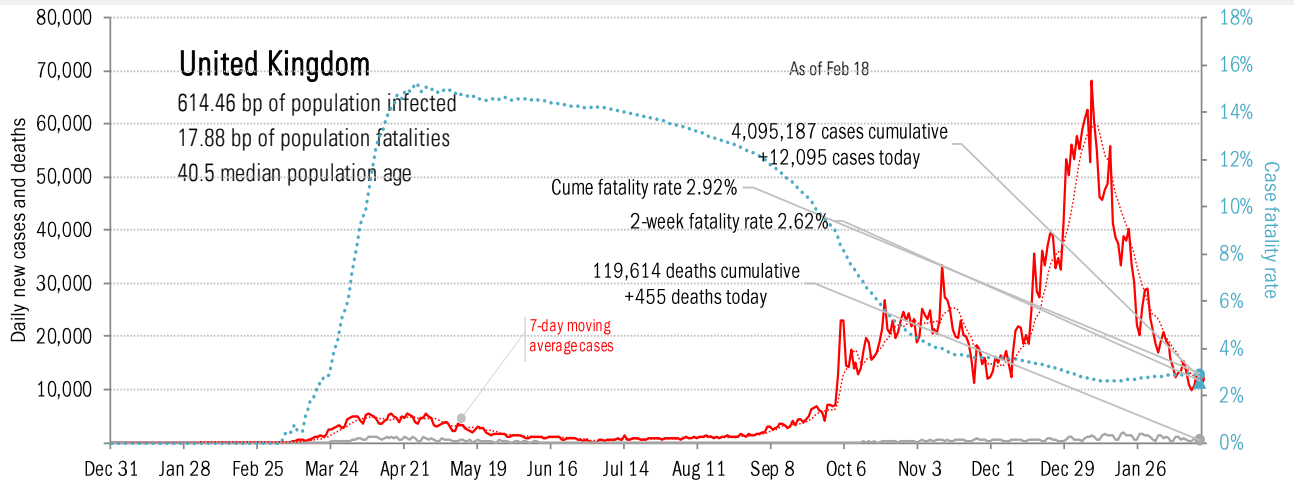
Source: [Johns Hopkins, Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



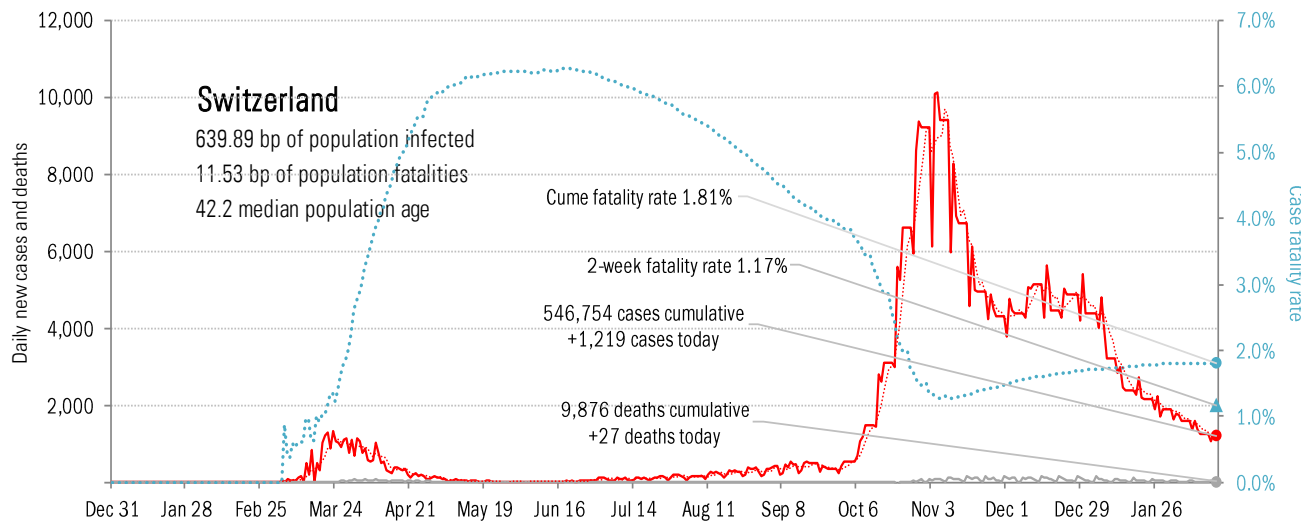
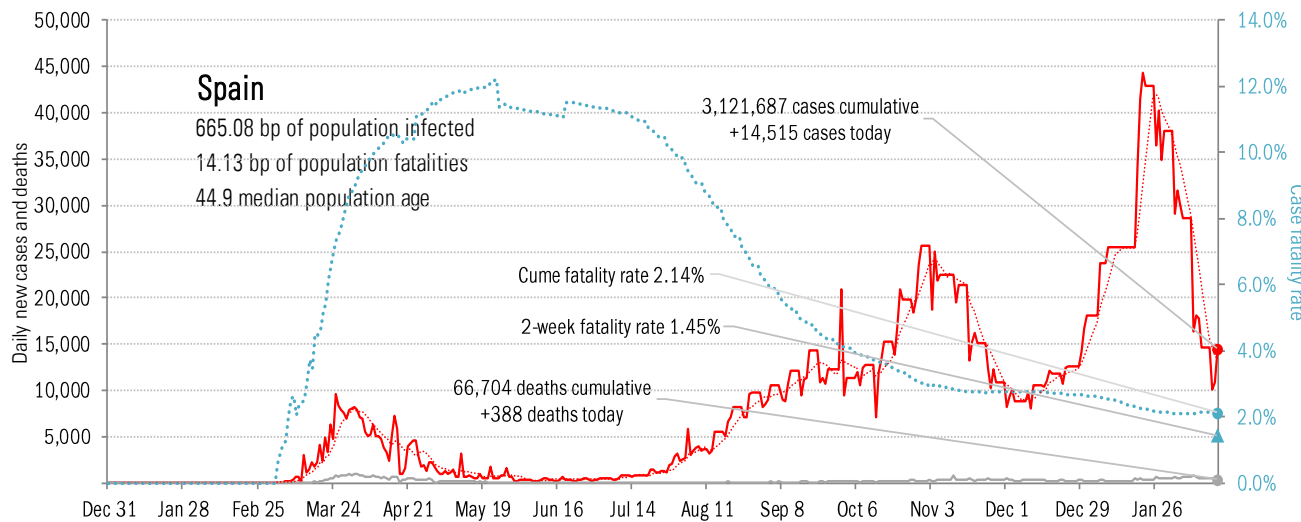
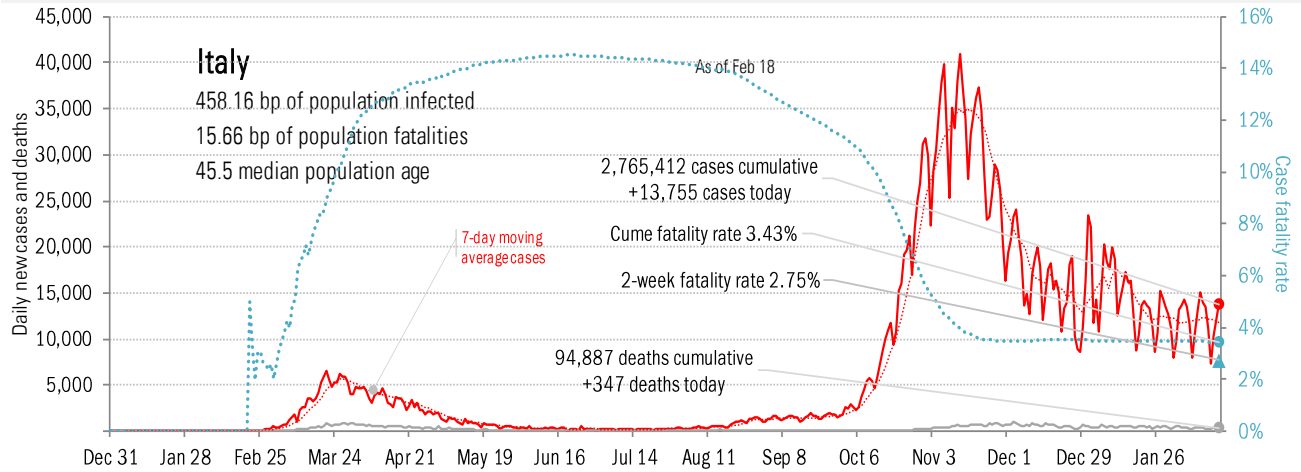
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



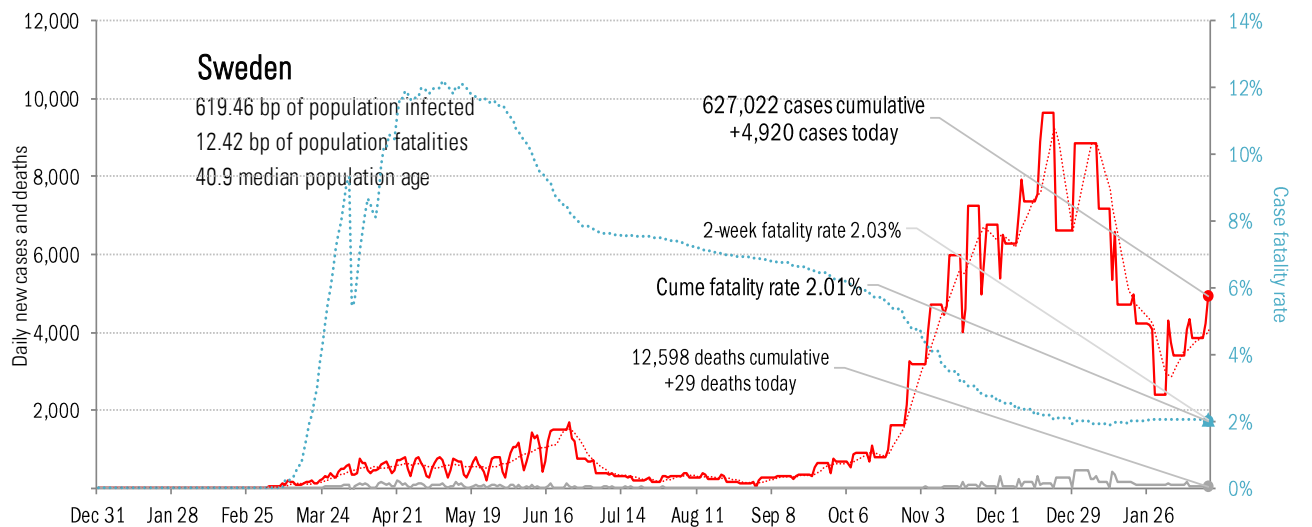
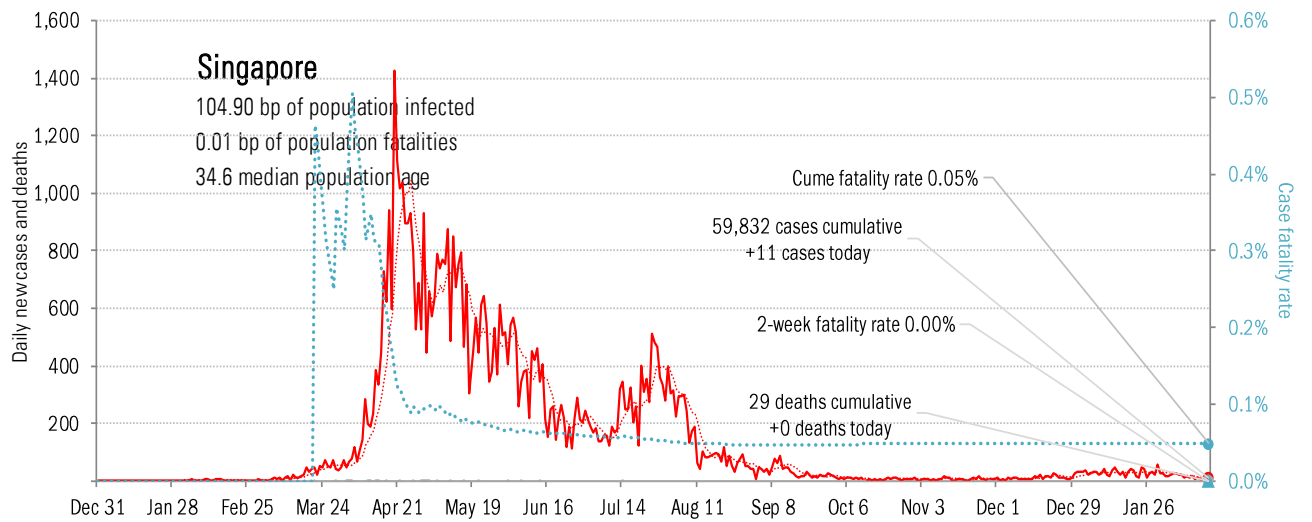
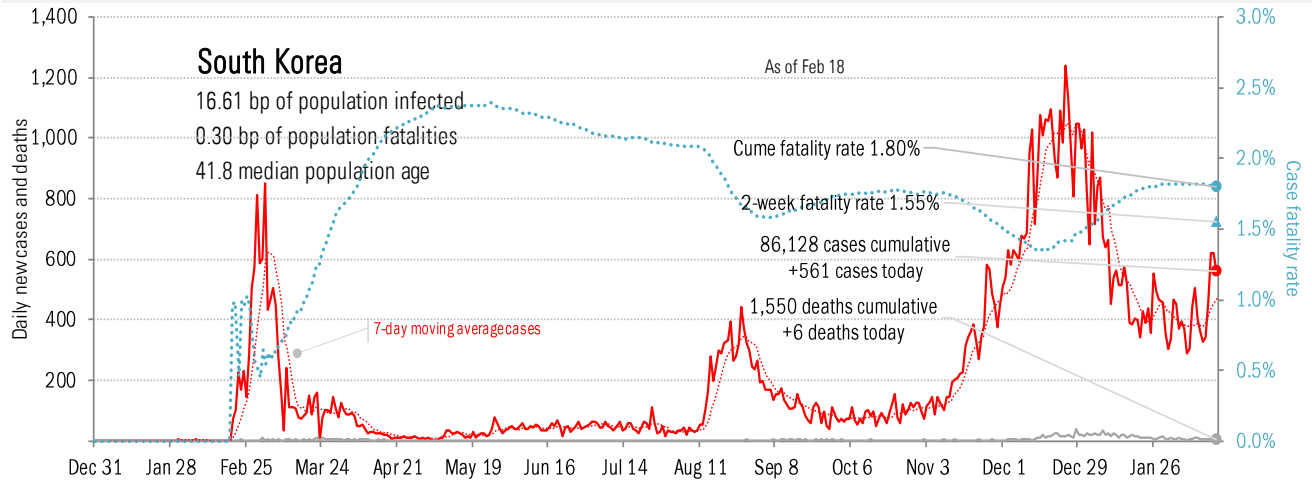
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



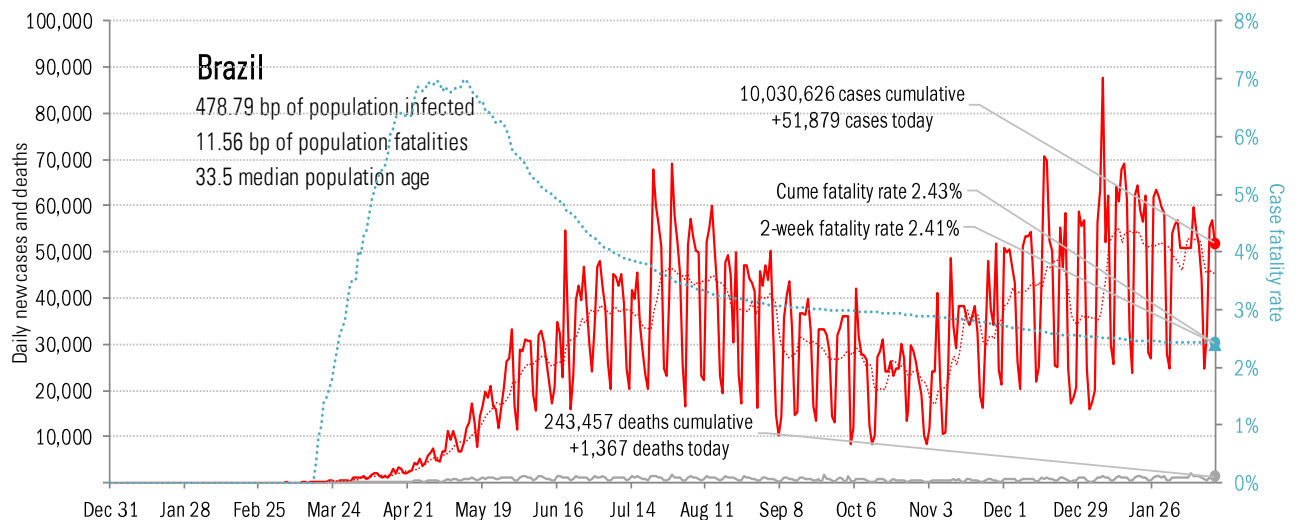
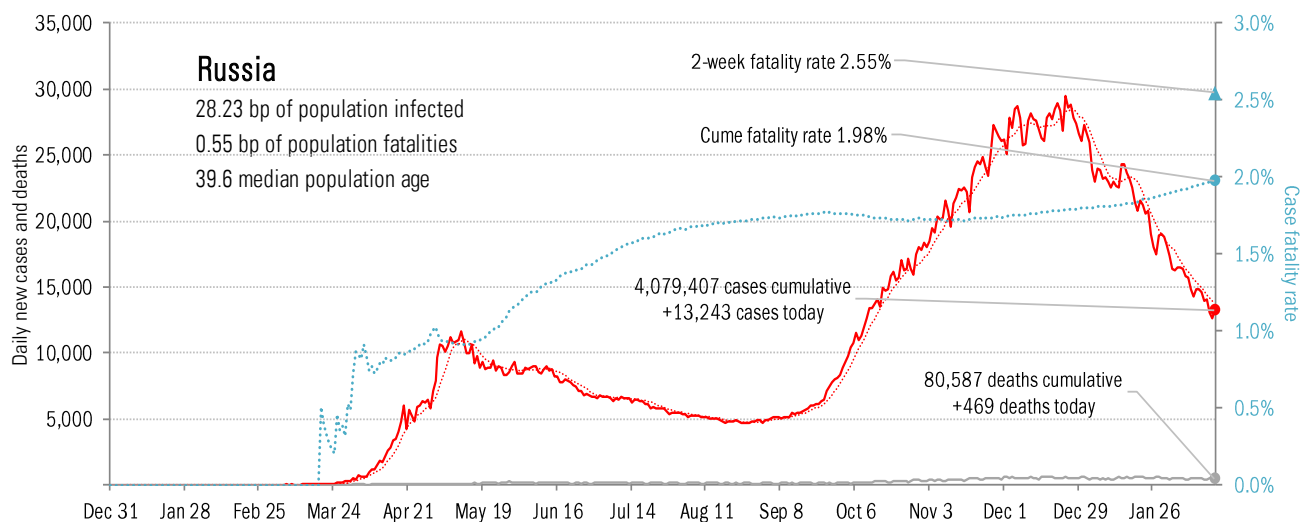
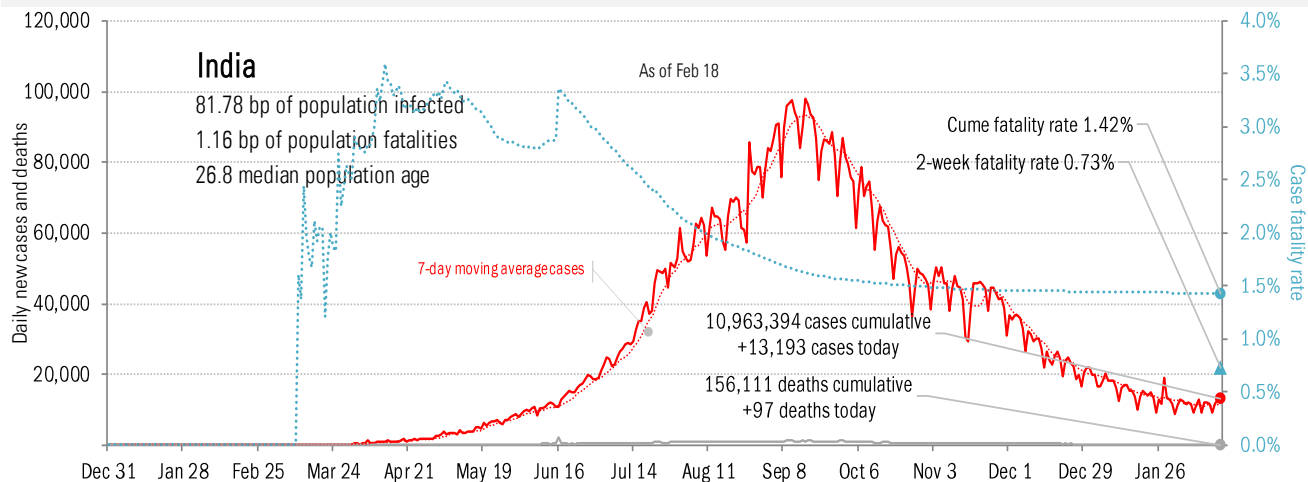
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



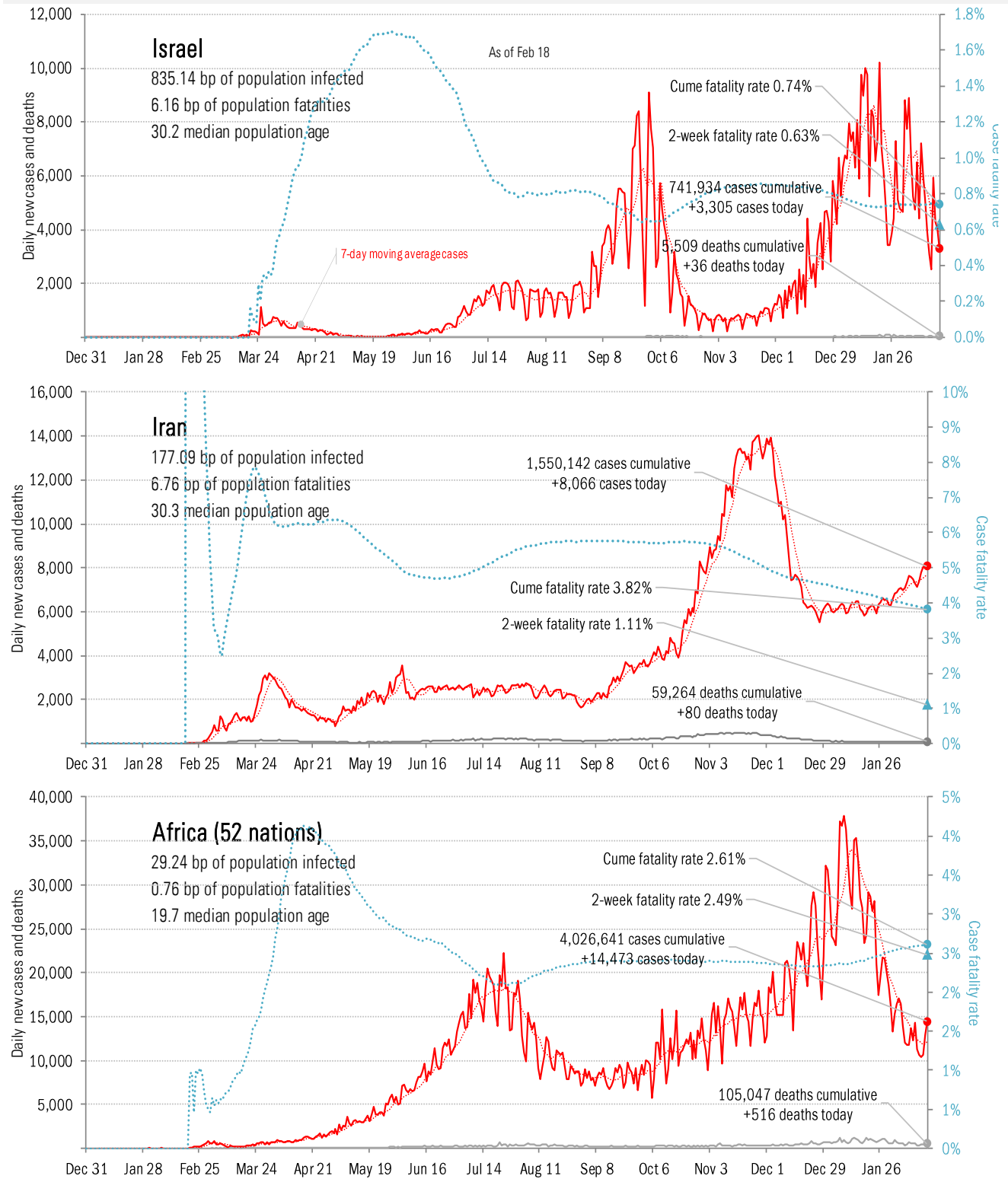
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



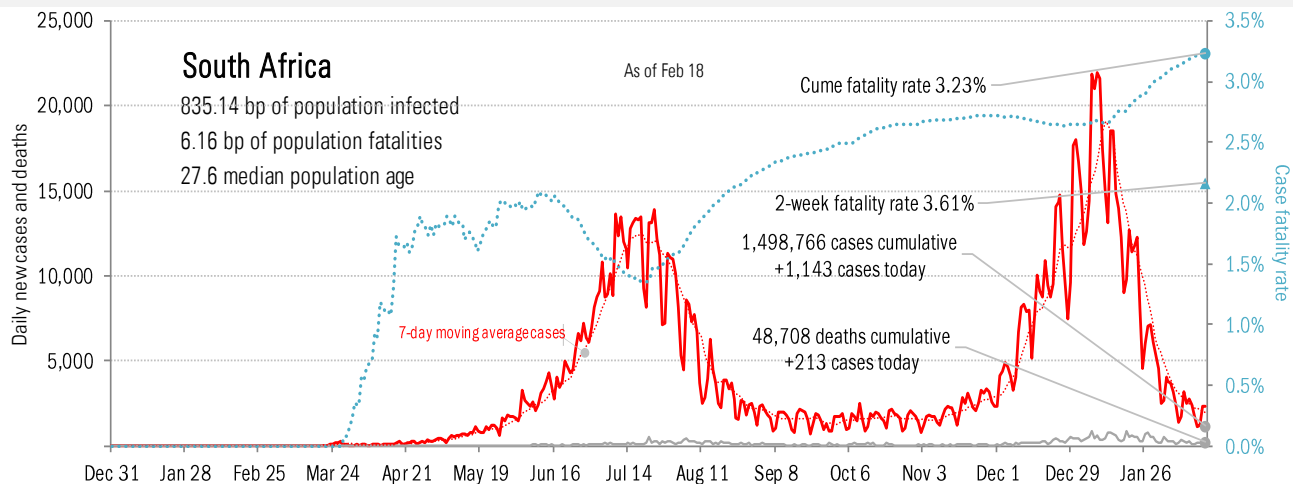
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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