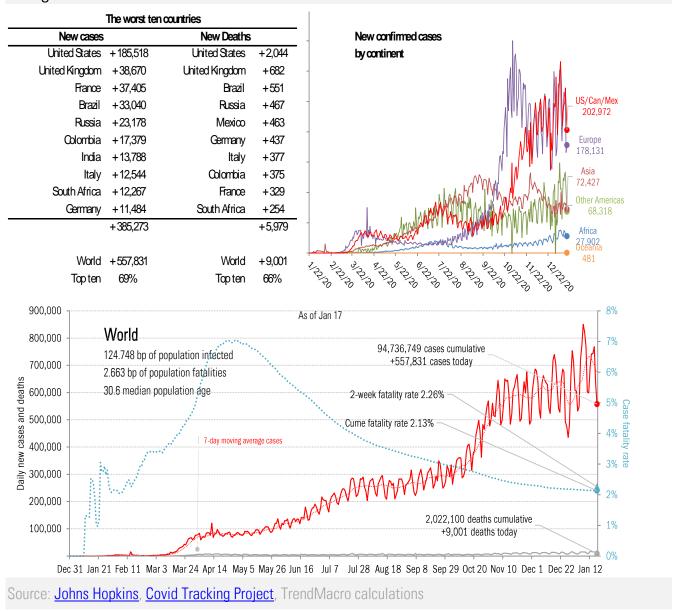


Trend Macrolytics, LLC Donald Luskin, Chief Investment Officer Thomas Demas, Managing Director Michael Warren, Energy Strategist

Data Insights: Covid-2019 Monitor

Monday, January 18, 2021

The global scorecard

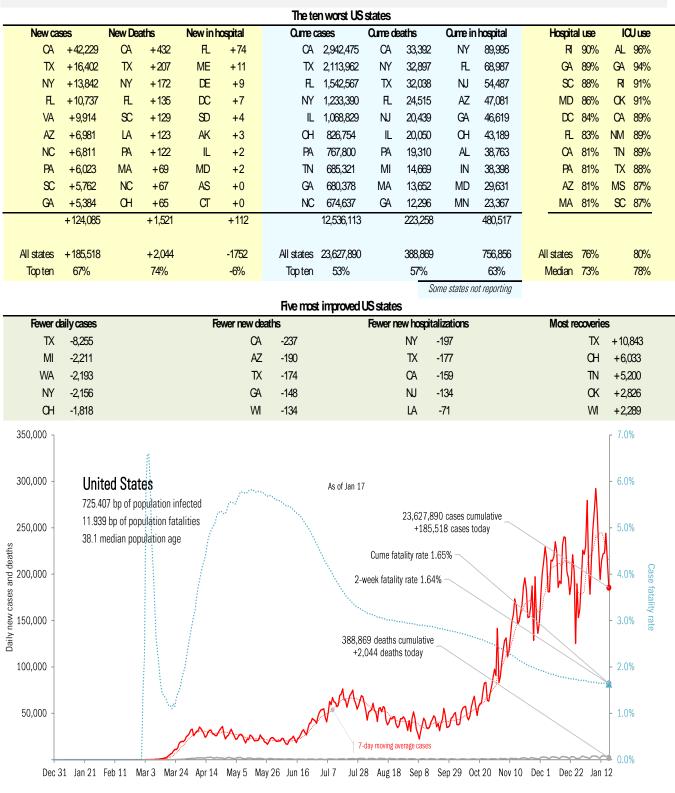


For more information contact us: Donald Luskin: 312 273 6766 <u>don@trendmacro.com</u>

Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard



Source: Covid Tracking Project, Dept. of Health and Human Services, CDC, TrendMacro calculations

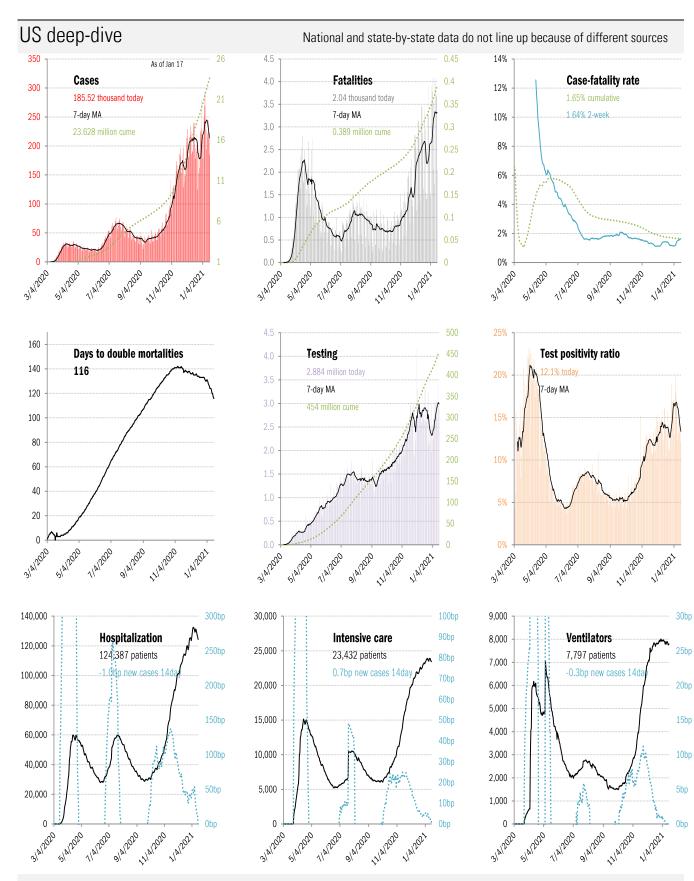
Rolling out the vaccines in the US

AK 20.6% 5.4% 1.3%

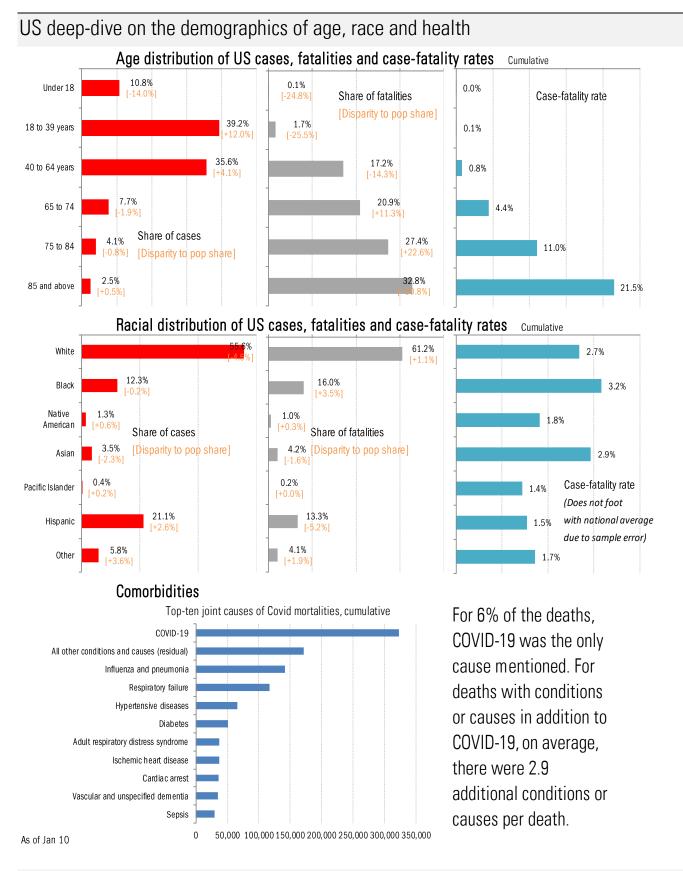
HI 10.9% 2.8% 0.5%

	US overall								day		
	31.16 mil	31.16 million doses distributed							+0.53 million/day		
	12.28 mil	12.28 million doses administered							+1.13 million/day		
	10.60 mil	10.60 million persons with one or more shot							+0.91 million/day		
	1.61 milli	1.61 million persons with two or more shots							+0.27 million/day		
		1.38 million shots in long-term care							lion/day		
		39.4% of distributed doses administered									
	3.7% of	3.7% of US population vaccinated									
		3.2% of US population one shot Modema									
		0.5% of US population two shots 42%									
	0.070 01										
		Pfizer/BioN 58%									
	St	State									
		istributed	Best								
٦		as % population									
		One shot received as % population								ME 10.2%	
		Two shots received								3.8%	
		as % distributed								0.6%	
					WI				VT	NH	
					7.5%				11.9%	9.4%	
					2.6% 0.3%				4.5% 0.7%	4.2% 0.4%	
WA	ID	MT	ND	MN		MI	Ī	NY	MA	0.470	
9.1%	6 9.0%	9.2%	9.0%	9.2%	8.0%	7.7%		9.7%	9.7%		
2.6%		3.9%	5.1%	3.0%	2.7%	3.1%		3.5%	3.2%		
0.4%		0.8%	1.0%	0.5%	0.7%	0.5%	PA	0.4%	0.5%	RI	
OR 7.9%		WY 10.2%	SD 10.6%	IA 8.5%	IN 9.5%	OH 8.3%	8.4%	NJ 7.4%	CT 9.2%	10.2%	
3.2%		3.4%	5.4%	3.4%	3.3%	3.1%	3.0%	3.1%	4.7%	3.7%	
0.3%		0.5%	1.1%	0.3%	0.6%	0.1%	0.5%	0.4%	0.5%	0.8%	
CA	UT	CO	NE	M0	KY	WV	VA	MD	DE		
9.0%		9.2%	10.9%	8.6%	7.6%	11.5%	10.0%	9.3%	9.4%		
2.2%		3.9%	4.0%	2.5%	3.6%	6.3%	2.5%	3.0%	2.6%		
0.5%	60.3%	0.8% NM	0.7% KS	0.6% AR	0.2% TN	1.2% NC	0.3% SC	0.3% DC	0.6%	l	
	AZ 7.9%	9.8%	KS 9.0%	Ап 9.9%	9.6%	9.5%	6.8%	9.7%			
	2.4%	3.8%	2.9%	3.2%	3.9%	2.5%	2.0%	4.5%			
	0.3%	0.9%	0.5%	0.6%	0.6%	0.4%	0.4%	1.2%			
			OK	LA	MS	AL	GA		-		
			10.7%	8.0%	7.8%	9.1%	9.5%				
			4.4%	3.6%	2.6%	1.8%	1.9%				
			0.7% TX	0.7%	0.3%	0.3%	0.2%	FL	I	PR	
			7.3%					9.6%		9.7%	
			3.5%					3.6%		2.7%	
			0.5%	l	As of Jan 15			0.3%		0.5%	

Source: <u>CDC</u>, TrendMacro calculations



Source: Covid Tracking Project, TrendMacro calculations



Source: Distributions <u>CDC</u>, Comorbidities <u>CDC</u>, TrendMacro calculations

Recommended reading

COVID Fatality Rates: A Different Perspective

John Hinderaker *Power Line Blog* January 17, 2021

Coronavirus second wave surges across Africa

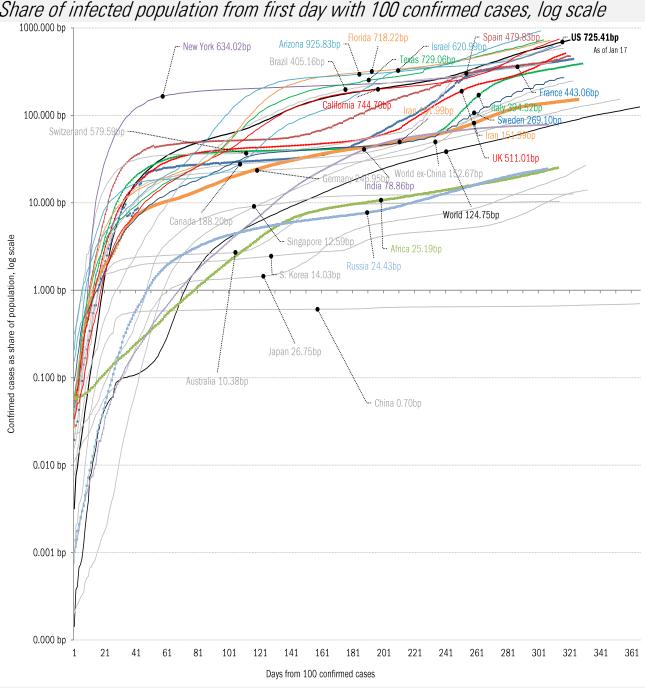
Neil Munshi, Joseph Cotterill and Andres Schipani *Financial Times* January 17, 2021

Fauci Says Biden's 100 Million Doses 'Doable' in 100 Days

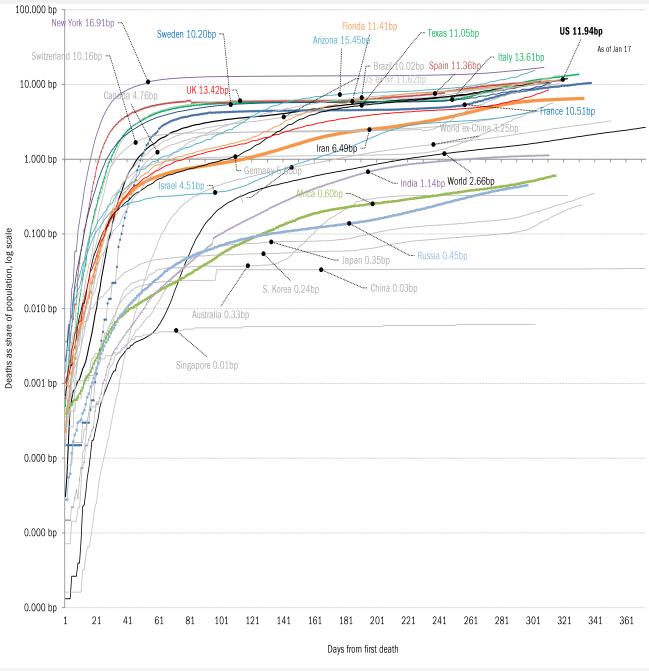
Ros Krasny *Bloomberg* January 17, 2021



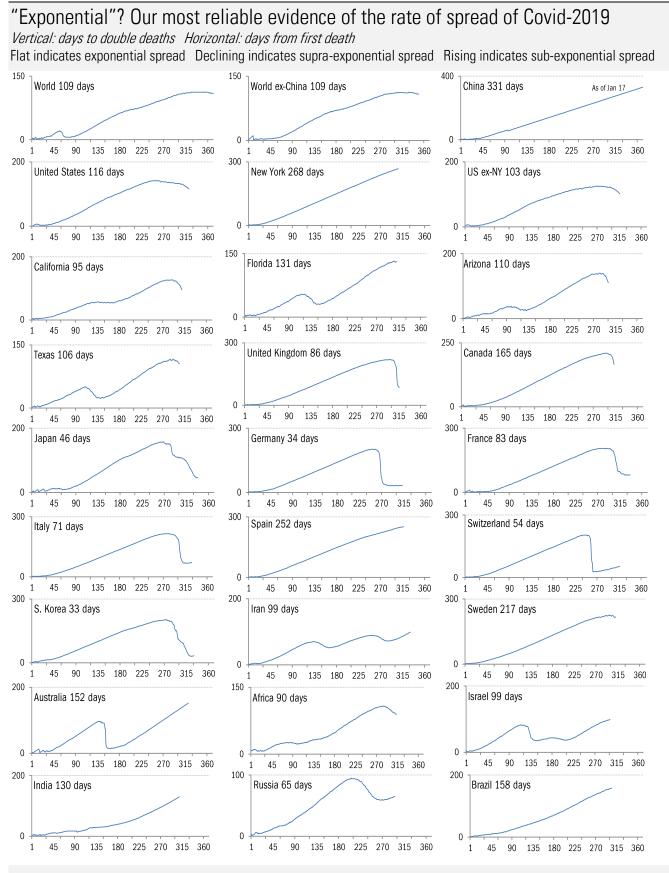
Source: Our beloved clients, and Power Line blog "The Week in Pictures"



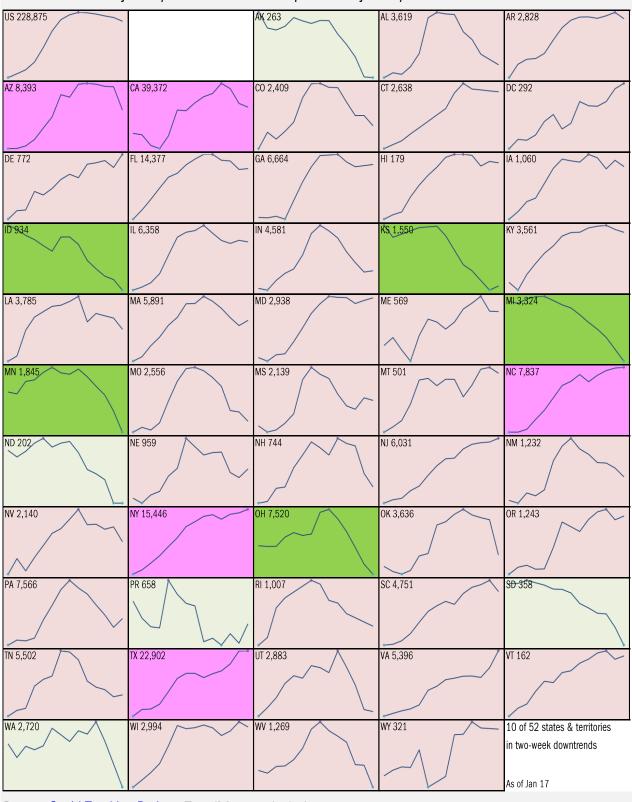
The coronavirus <u>case</u> accelerometer... tracking the world's infection curves *Share of infected population from first day with 100 confirmed cases, log scale*



The coronavirus <u>mortality</u> accelerometer ... tracking the world's fatality curves *Share of deceased population from day of first fatality*

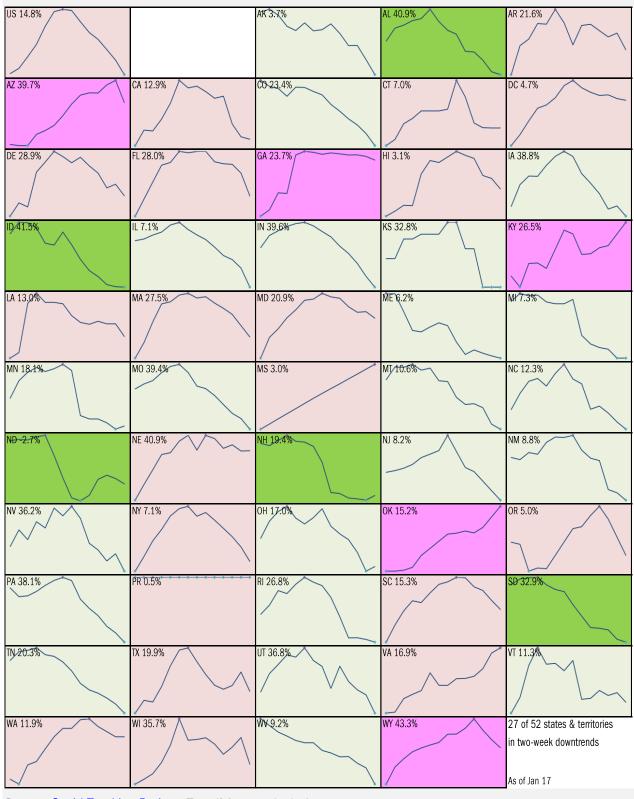


Requirement to <u>Open Up America Again</u>: 14-day "downward trajectory" in new cases *14-day moving average, last 14 days Most recent value displayed* • High • Low Downward trajectory Five best Upward trajectory Five worst



Source: Covid Tracking Project, TrendMacro calculations

Alt requirement to <u>Open Up America Again</u>: 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

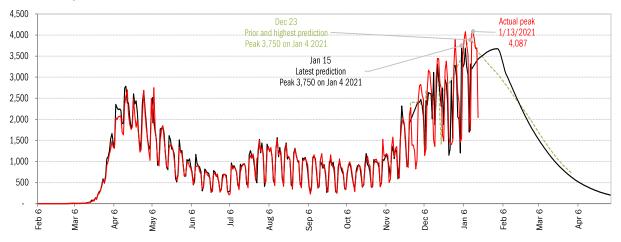


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

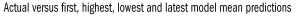
New daily fatalities

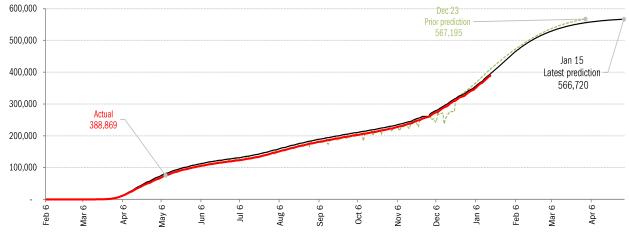
Actual versus first, highest, lowest and latest model mean predictions



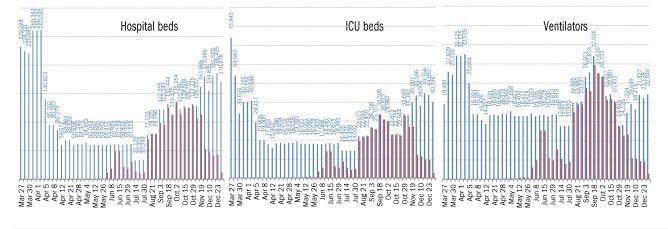
As of Jan 17

Cumulative fatalities

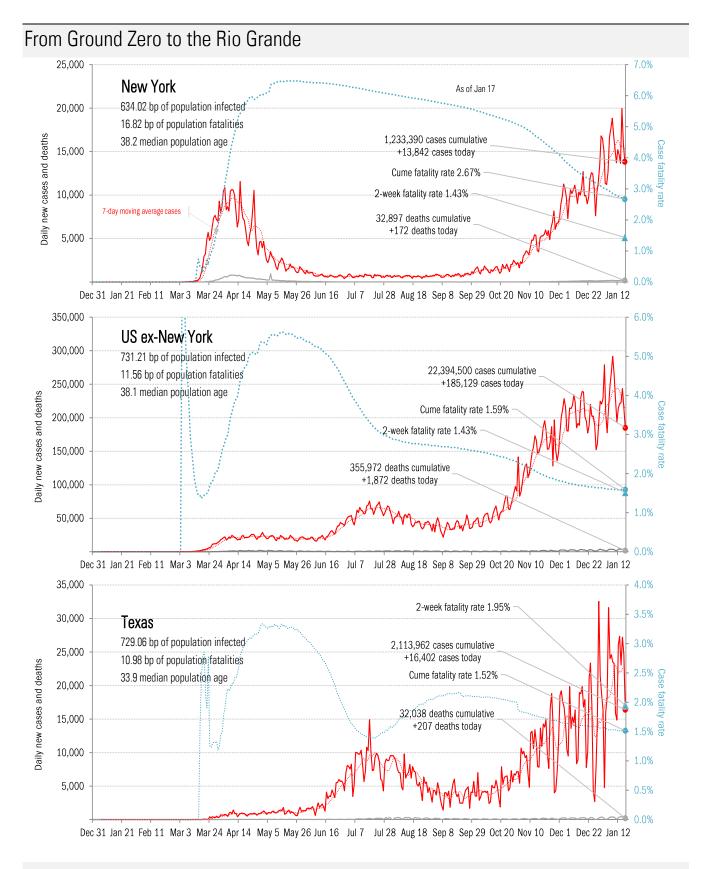




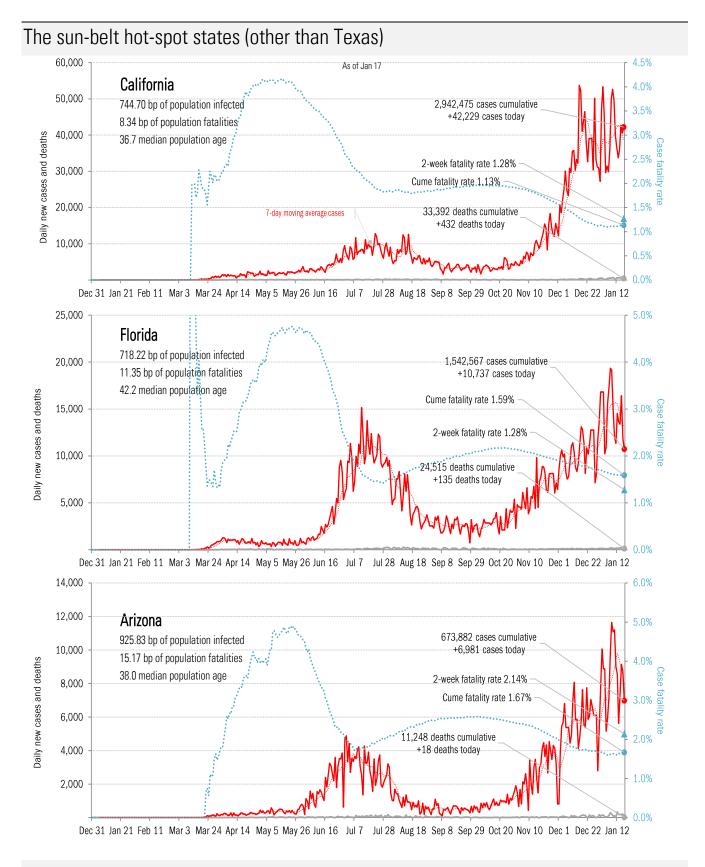
Healthcare system stress, peak and ultimate estimated at each model revision



Source: IHME, Covid Tracking Project, TrendMacro calculations

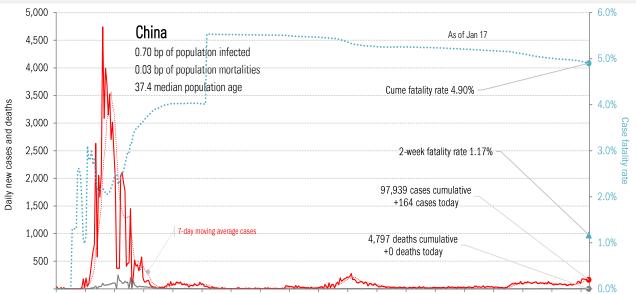


Source: Covid Tracking Project,, TrendMacro calculations



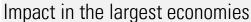
Source: Covid Tracking Project,, TrendMacro calculations

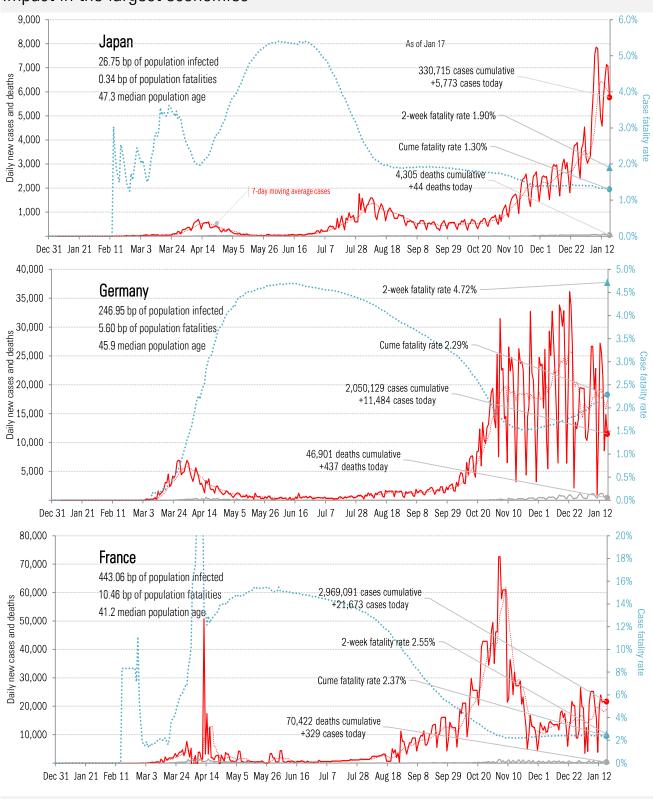
Patient zero... and then everyone else



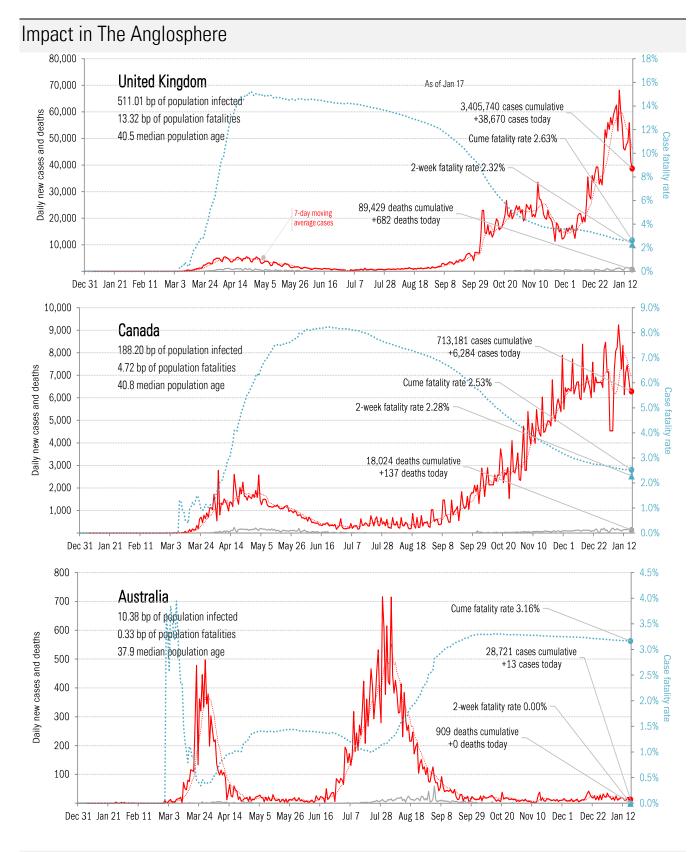




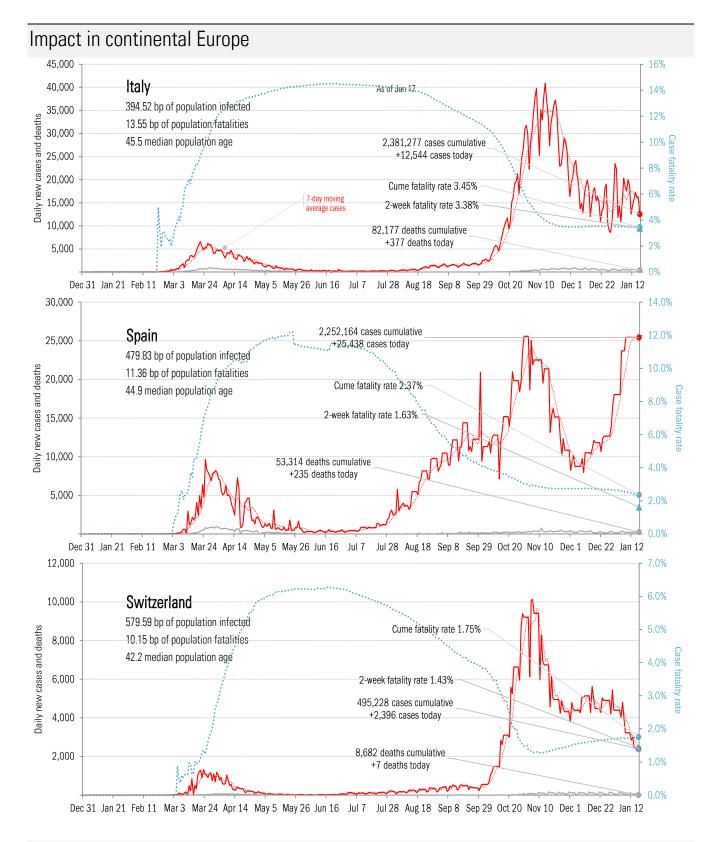




Source: Johns Hopkins, TrendMacro calculations

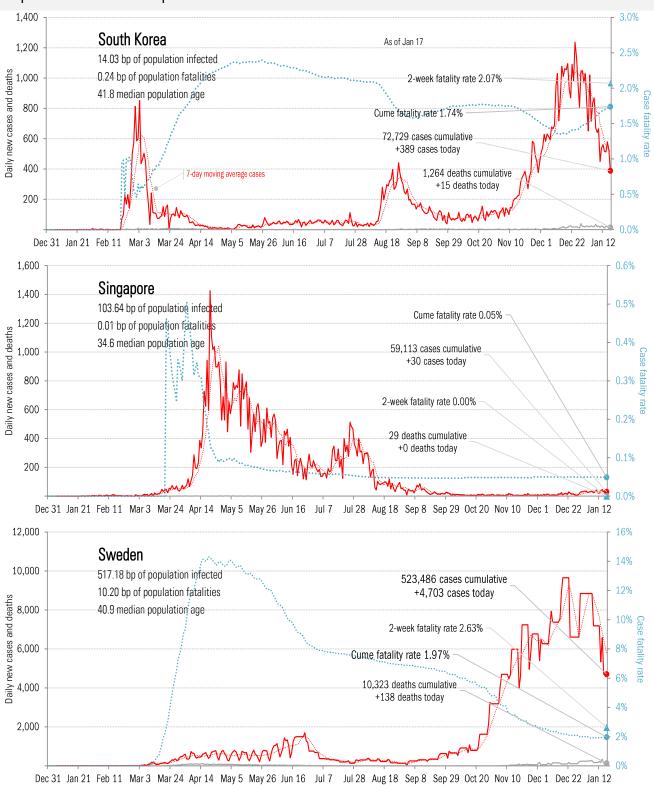


Source: Johns Hopkins, TrendMacro calculations

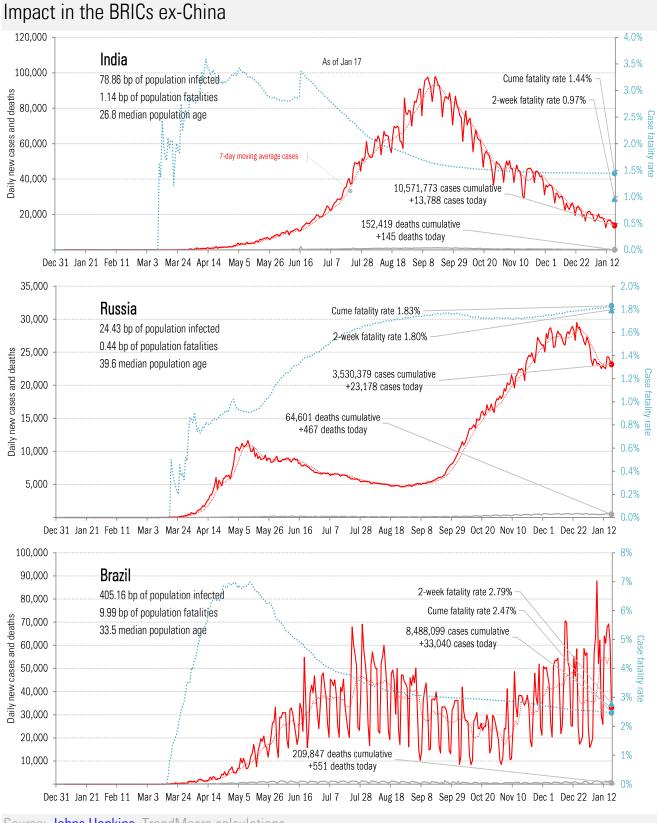




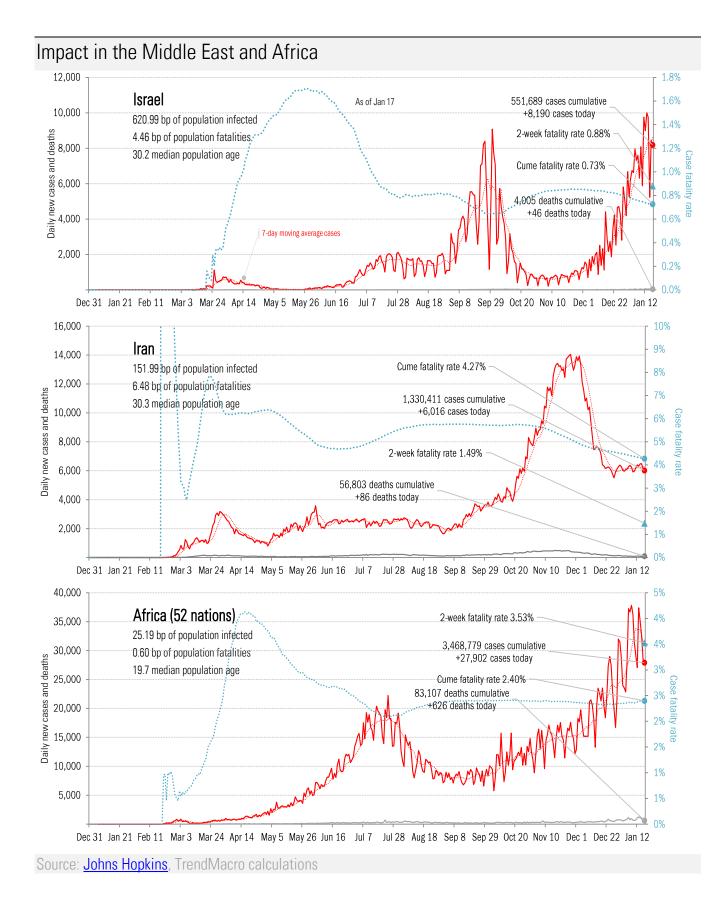
Impact in other hot-spots



Source: Johns Hopkins, TrendMacro calculations



Source: Johns Hopkins, TrendMacro calculations



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