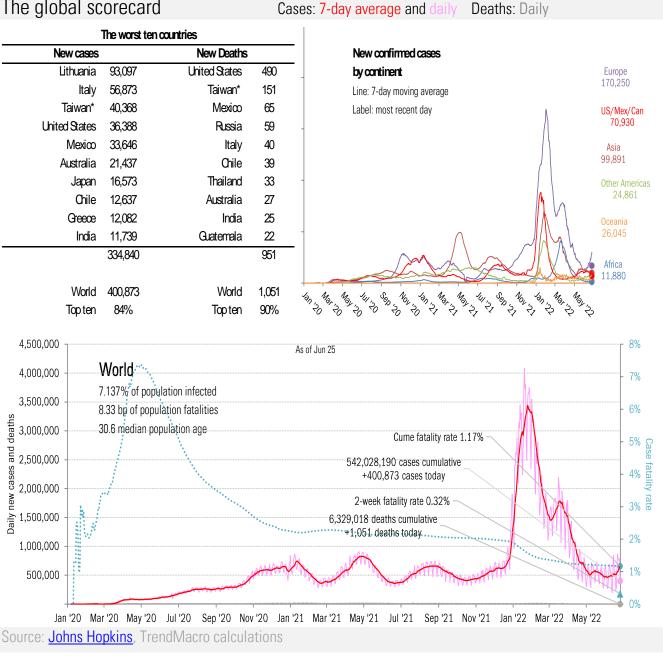


Trend Macrolytics, LLC Donald Luskin, Chief Investment Officer Thomas Demas, Managing Director Michael Warren, Energy Strategist

Data Insights: Covid-2019 Monitor

Sunday, June 26, 2022

The global scorecard



For more information contact us: Donald Luskin: 214 550 2121 don@trendmacro.com

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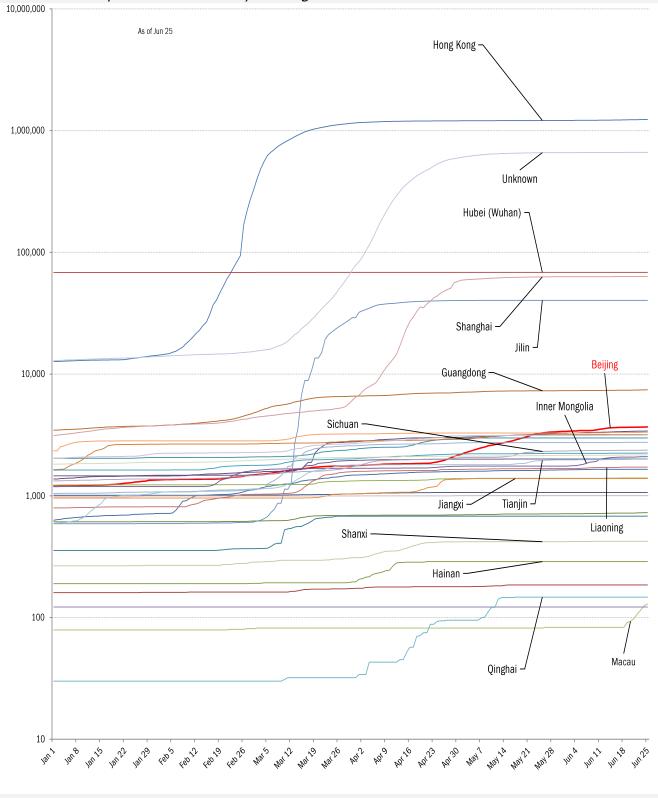
The US scorecard

Cases: 7-day average and daily Deaths: Daily

The ten worst US states															
New cas	es	New deat	ths	New in h	-	Quime o		Curre di			n hospital	-	al use		Uuse
	state ca	n se and		TX	437		10,024,838	CA	92,113	TX	502,024	R			85%
	ality data		ed	CA	571		7,135,692	TX	88,619	CA	446,999	MA			84%
tod	today due to			NY	295		6,409,485	R.	75,507	R.	440,023	ME		MA	83%
we	ekend de	elays.		SC	103	NY	5,580,555	NY	69,571	NY	269,334	MN		R	82%
INY	3,075	AZ	7	AZ	132	IL	3,407,189	PA	45,657	GA	209,101	WA		WA	81%
TN	2,641	NJ	7	TN	113	PA	2,987,357	СН	38,778	CH	199,093	MC		AL	
CK	2,567	AR	4	GA	148		2,843,077	IL	38,510	PA	186,106	P		MN	79%
AZ	2,196	ME	2	NJ	152	CH	2,831,228	GA	38,447	IL	167,530	W		DE	79%
KY	1,906	NE	2	NV	82	GA	2,626,597	MI	36,744	MI	149,393	DE			79%
AR	888	ND	1	СН	158	MI	2,592,078	NJ	34,001	KY	135,743	M	81%	GA	79%
	35,638		126		2,191		46,438,096		557,947		2,705,346				
All states	36,388		490		5,103		86,925,102		1,025,863		4,915,254	All states			67%
Topten	98%		26%		43%	Topten	53%		55%		55%	Mediar	75%		73%
	Some states not reporting														
Five most improved US states															
	ily cases			Fe	ewer new de			Fewer n	ew hospita			Most	pop imm		-
CA	-55,657				CA	-78			CK	-40			AL	+10	
MO	-9,178				MO				KY	-31			LA	+10	
WA	-6,475				WA	-30			AK	-22			AR	+10	
L	-5,568				IL	-27			VA	-22			ΤN	+10	
NY	-4,058				VA	-21			FL.	-21			IN	+10	bp
ر 1,600,000															Г ^{12%}
							As o	of Jun 25							
1,400,000 -															
	Unit	ed Stat	es									1			- 10%
1 200 000	26.699	% of popula	ation infe	ected											
1,200,000 -		bp of popu													
SC		nedian pop						Cume fata	lity rate 1.1	8% –		ih.			- 8%
and deaths - 000'000' -		o Omicron v		-											
and e	66.9%	total popu	lation im	munized											Case
g 800,000 -	g 800,000 - 2-week fatality rate 0.46% - 1											- 6% fata			
aily new G 000'000 -		1	\sim									VN -			fatality rate
≥ 600 000			1				1 005 060	dootho ou	mulativa						ate
8 2 600,000 - 1,025,863 deaths cumulative +490 deaths today												- 4%			
				New Street											
400,000 -				Sec. 1	·····		86,925,102 ca	2000 011001	lativo						
					and the second se	····	+36,388 c								- 2%
200,000 -													270		
		<u> </u>				1	ᢣᠣᡨᡇᡟᡩᡟᡩᡟᡃᡐᠥᢦ	A Real Property of		W	THE R. L.	' Mt+++	-APPAT		0%
Jan '20 Mar '20 May '20 Jul '20 Sep '20 Nov '20 Jan '21 Mar '21 May '21 Jul '21 Sep '21 Nov '21 Jan '22 Mar '22 May '22															

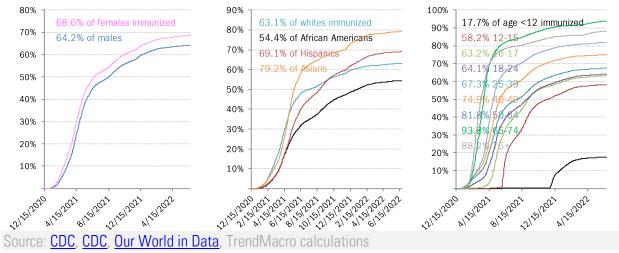
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

China provincial coronavirus <u>case</u> accelerometer... tracking the "zero Covid" curves *Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*

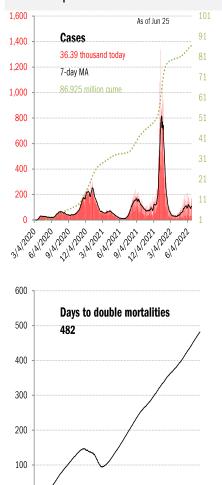


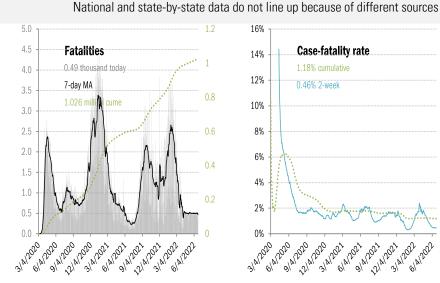
Rolling out the vaccines in the US and the world <u>Updates weekly on Friday</u>												
-			lative		Juna		iu ii	Today		Immunity	Full	Partial
Doses		609,306,461							million	US	66.9%	78.1%
of which boosters		106,436,940						+0.054 million		UK	73.4%	78.5%
		One dose		% Pop	lmn	nune	% рор	New immune toda			78.4%	80.8%
Total population		267,294,476		80%		228,468,426		+0.029 million		Spain	86.7%	88.2%
Age 12 to	Age 12 to 17		17,887,639			15,325,994		+0.002 million		Germany	75.5%	77.1%
Age 18 to 64		179,463,763		88%	15	152,670,205		+0.015 million		Italy	79.4%	84.2%
Age 65 and over		59,303,568		100%	Ę	51,846,769		+0.006 million		Australia	84.0%	86.7%
r%r	٦&٦									Israel	66.1%	72.2%
3% Moderna 38% Pfizer 59%										Canada	83.3%	87.2%
		C+	ate	Peat						Japan	81.2%	82.3%
				Best						Africa	18.4%	23.8%
		At least par	tial immunity	Midd						India	65.2%	72.9%
			pulation	IVIIUU	IB.					Brazil	78.8%	86.2%
		Full im	munity	187-11-1						China	87.2%	89.5%
AK		as % population		Worst						Global data diff	ers due to sou	rces, timing
70.2% 62.9%		"Immunity" = two doses				WI		As of Jun 23			ME	Ī
						72.3%					91.6%	
						66.1%					80.4%	
	WA	ID	MT	ND	MN	IL	MI		NY	VT	NH	
	81.4%	62.2%	65.8%	66.1%	75.6%	76.3%	67.4%		90.9%	94.4%	89.4%	
	73.1%	55.8%	57.3%	55.9%	69.7%	69.1%	60.6%		77.7%	81.9%	71.5%	
	OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
	78.5%	76.0%	58.5%	77.6%	68.3%	62.5%	63.6%	85.9%	91.2%	95.0%		
	70.2%	61.4%	51.3%	62.5%	62.4%	56.4%	58.8%	69.4%	76.4%	79.9%		-
	CA	UT	CO	NE	M0	KY	WV	VA	MD	СТ	RI	
	82.8%	72.5%	80.0%	70.8%	66.7%	66.6%	65.5%	86.5%	87.3%	95.0%	95.0%	
	72.8%	64.6%	70.8%	64.1%	56.6%	57.8%	58.1%	74.0%	76.4%	80.1%	83.7%	
		AZ	NM	KS	AR	TN	NC	SC	DC	DE		
		74.1%	88.9%	73.0%	67.3%	62.6%	85.6%	68.3%	95.0%	84.0%		
		62.3%	71.9%	62.5%	55.0%	55.0%	62.4%	57.6%	76.2%	70.0%		
				OK	LA	MS	AL	GA				
	1			71.7%	61.5%	60.0%	63.2%	66.0%				
HI				57.9%	53.9%	52.2%	51.6%	55.3%	_	1 •		.
88.1%				ΤX					FL		PR	
78.9%			74.2%					80.0%		95.0%		
				62.2%					67.6%		83.6%	

The demographics of US vaccination

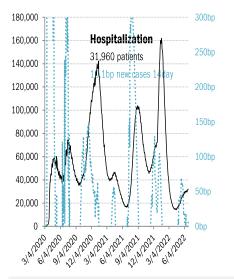


US deep-dive

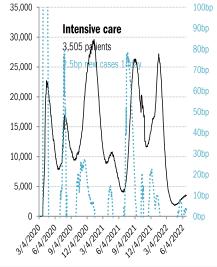


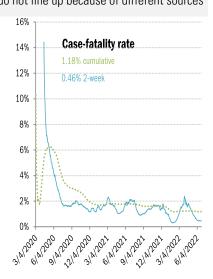


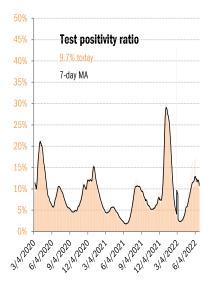


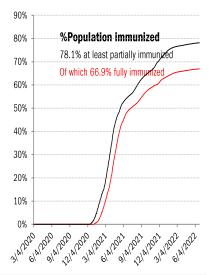


9/4/2020

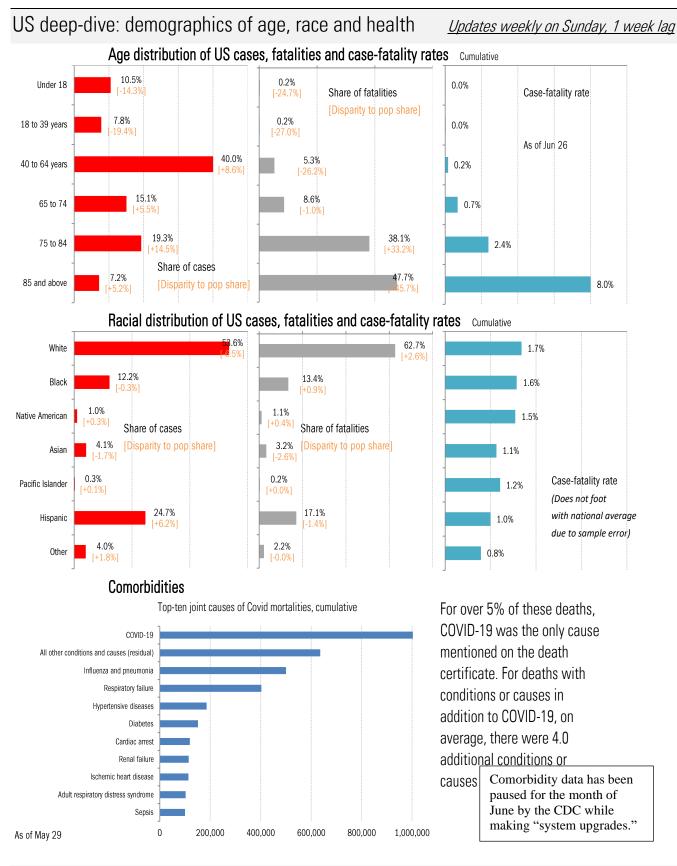








Source: Johns Hopkins, Covid Act Now, TrendMacro calculations



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

Recommended reading

Survey: Nearly 1-in-5 Texans who've had COVID have

'long COVID'

Chandler France *Laredo Morning Times* June 25, 2022

Who Managed COVID-19 Best, and Why?

David E. Adler *Foreign Policy* June 26, 2022

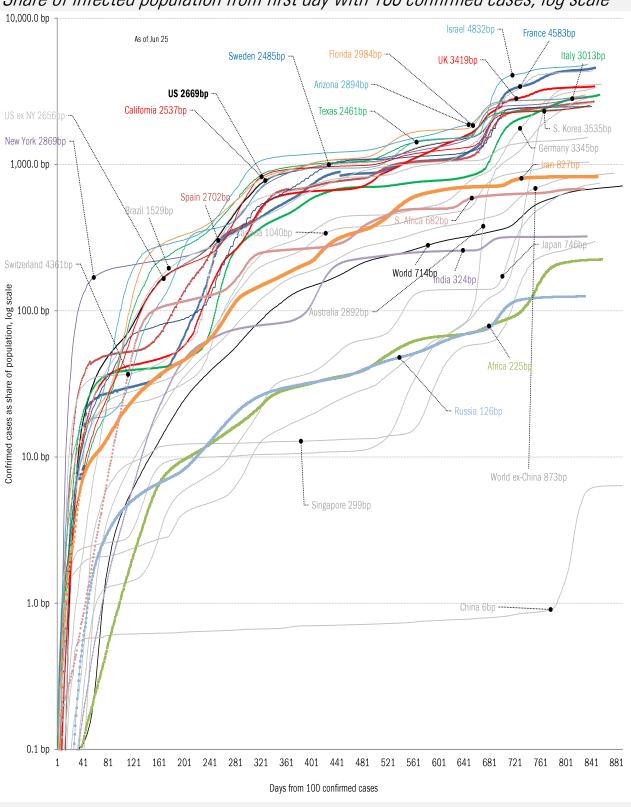
Trump told Jan. 6 filmmaker he was scared after getting COVID

Rebecca Beitsch *The Hill* June 25, 2022

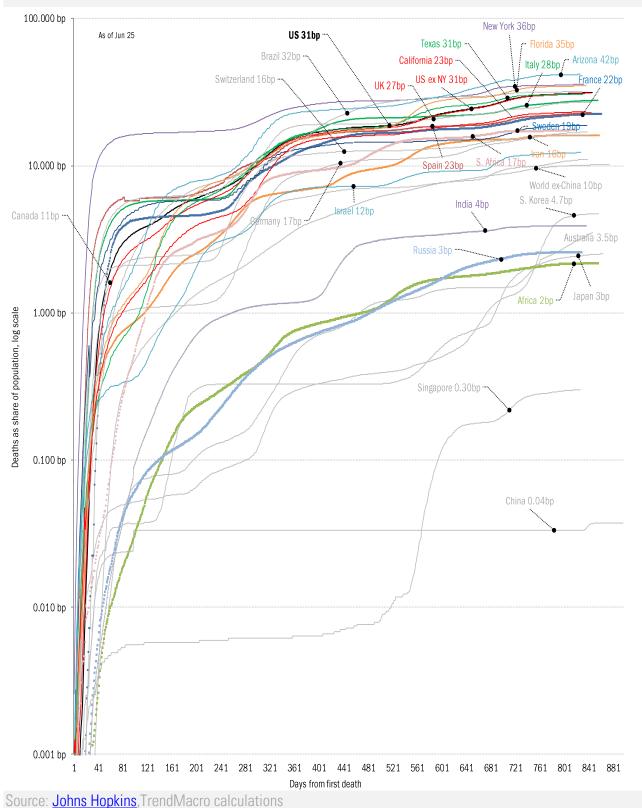
Meme of the day



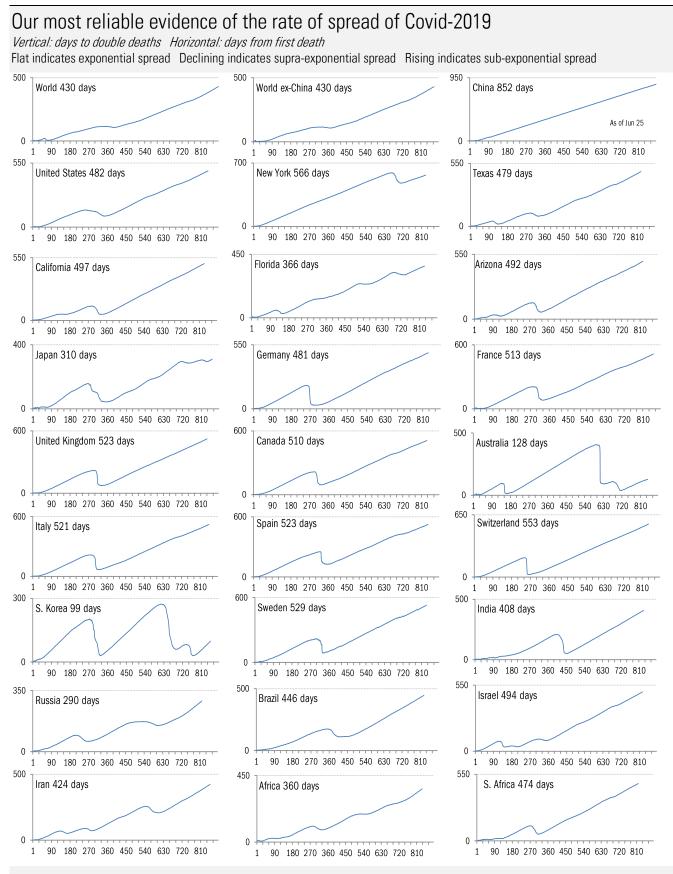
Source: Our beloved clients, Power Line blog "The Week in Pictures" and CTUP



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

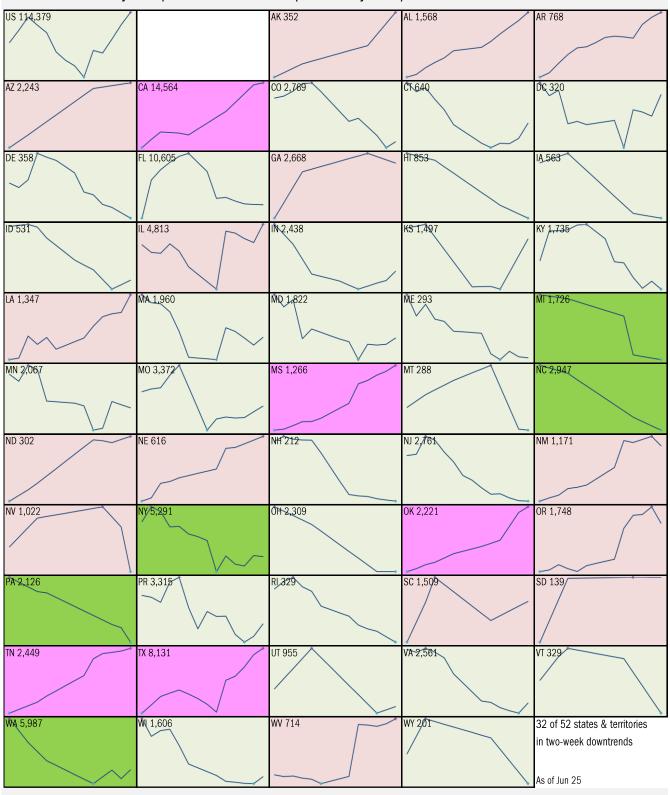


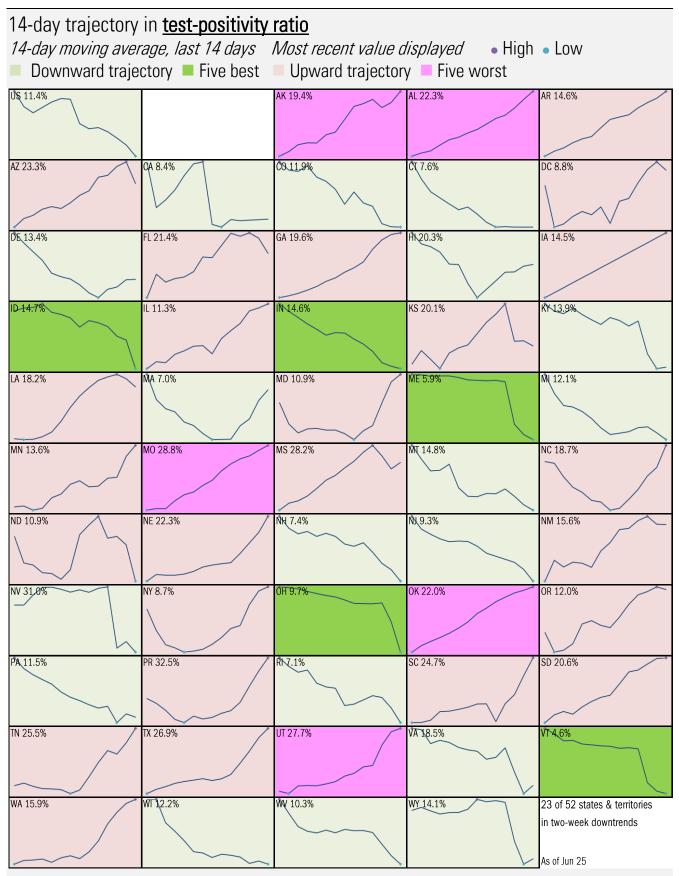
The global coronavirus <u>mortality</u> accelerometer ... tracking the world's fatality curves *Share of deceased population from day of first fatality, log scale*



14-day trajectory in <u>new cases</u>

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

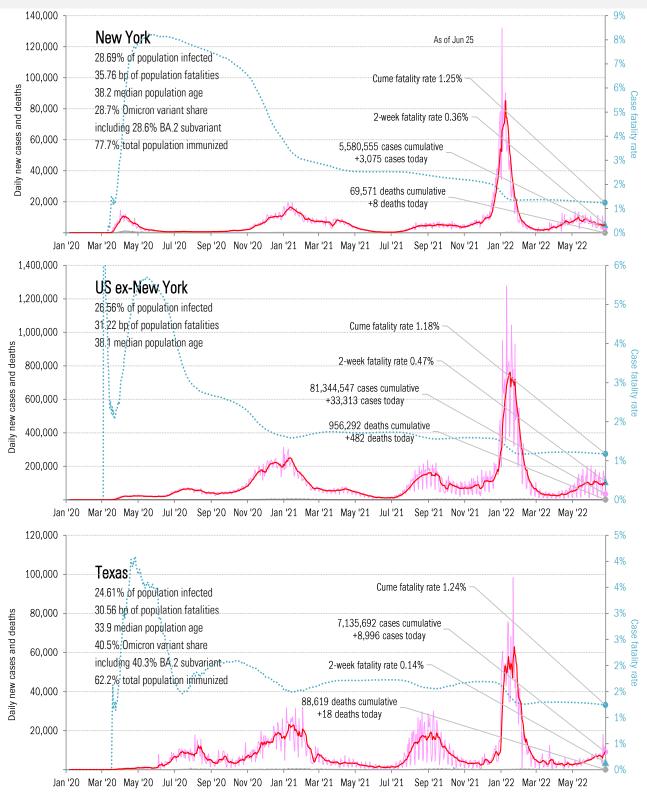




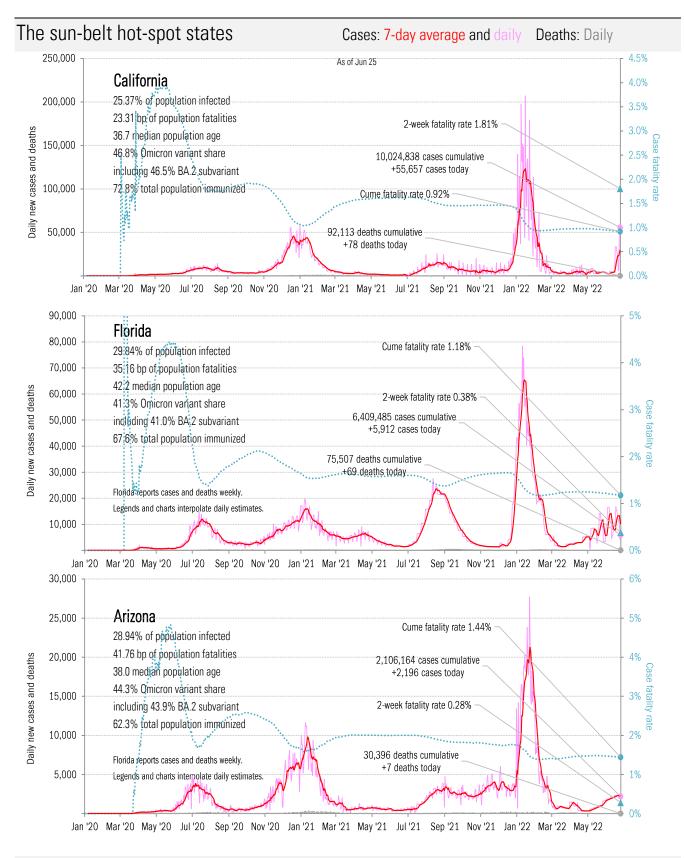
Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

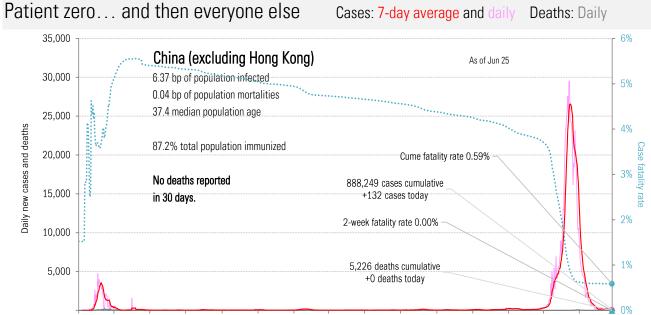
Cases: 7-day average and daily Deaths: Daily



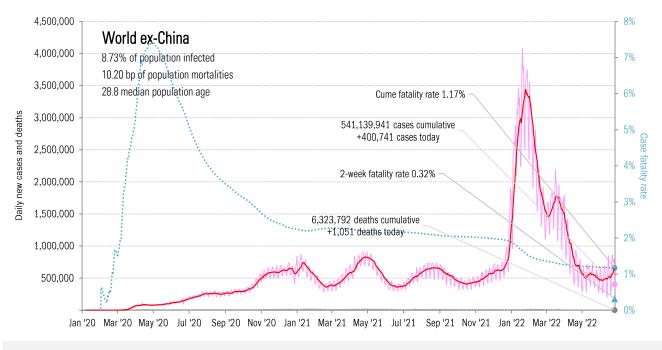
Source: Johns Hopkins, TrendMacro calculations



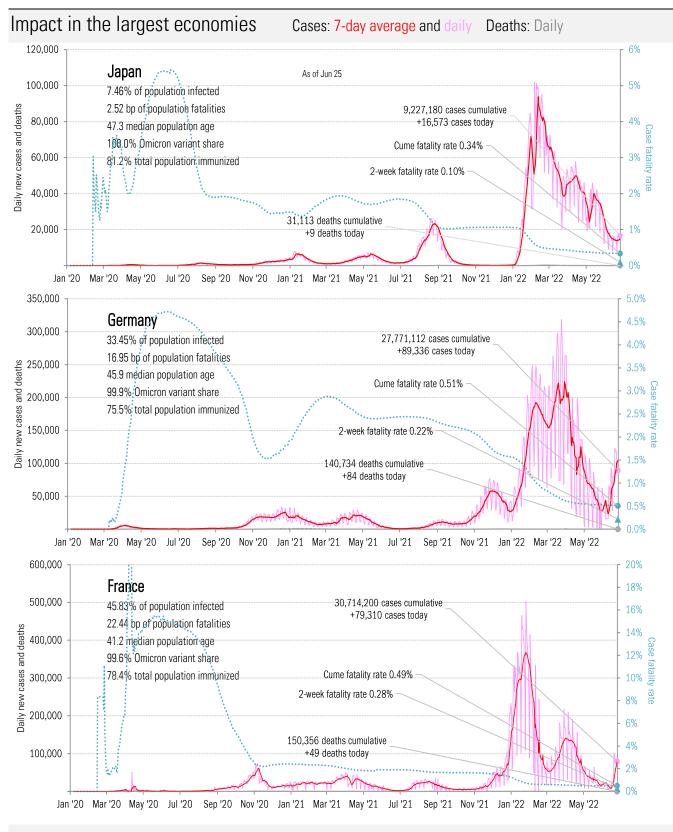
Source: Johns Hopkins, TrendMacro calculations



Jan '20 Mar '20 May '20 Jul '20 Sep '20 Nov '20 Jan '21 Mar '21 May '21 Jul '21 Sep '21 Nov '21 Jan '22 Mar '22 May '22

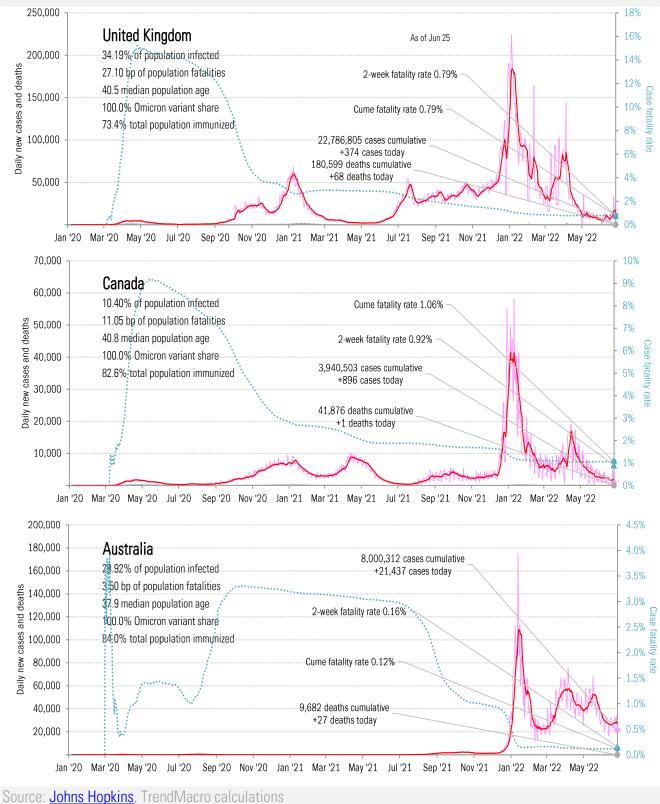


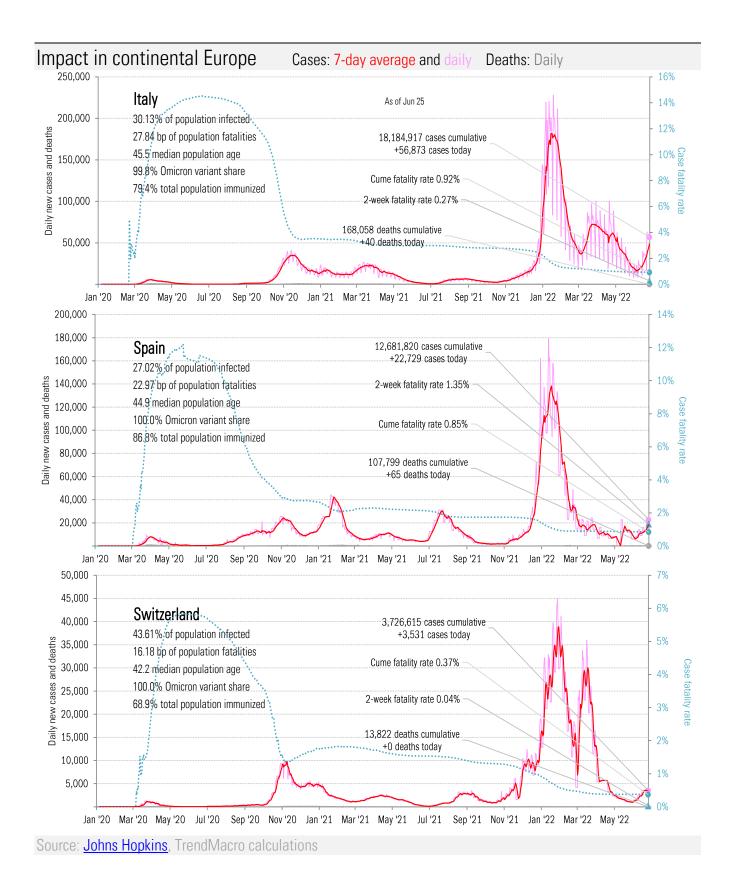
Source: Johns Hopkins, TrendMacro calculations

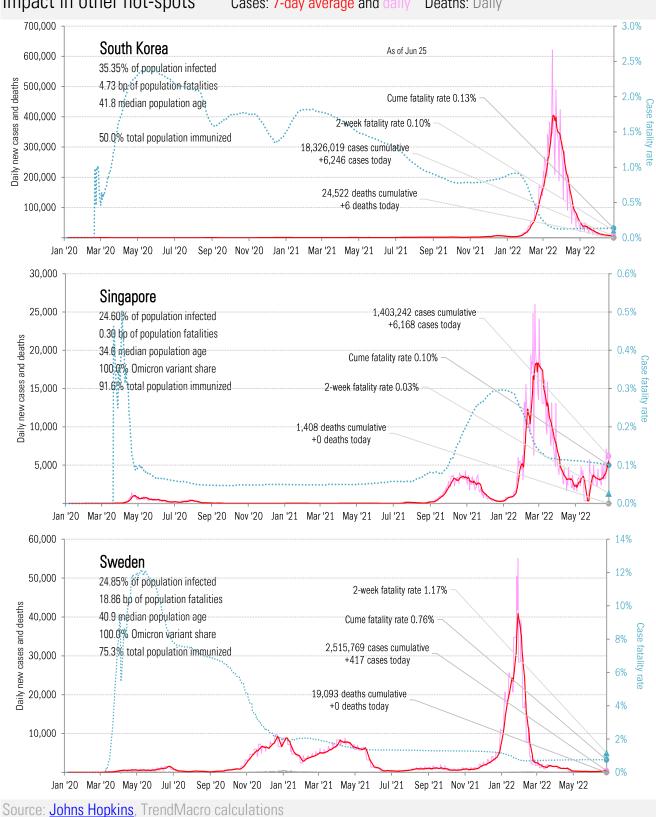


Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere Cases: 7-day average and daily Deaths: Daily

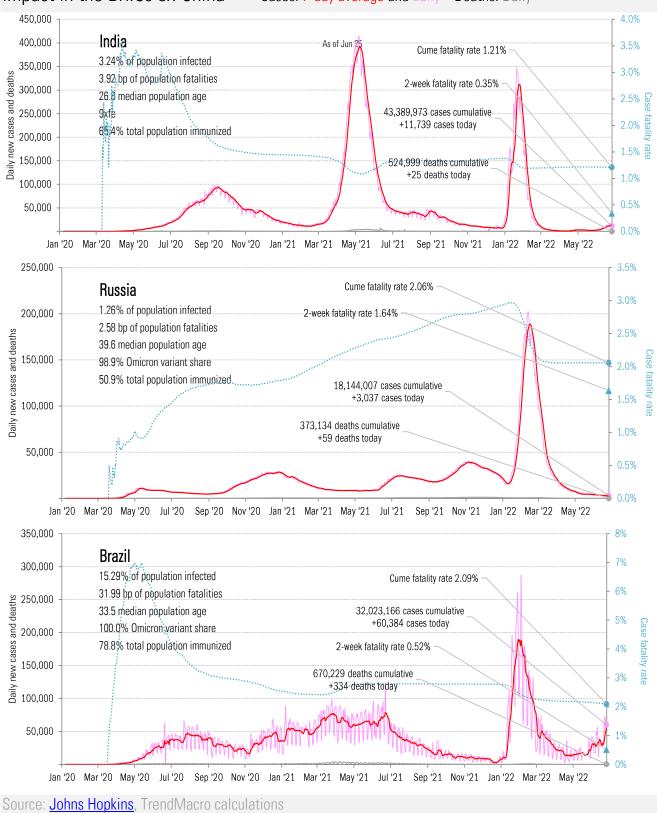


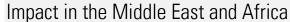




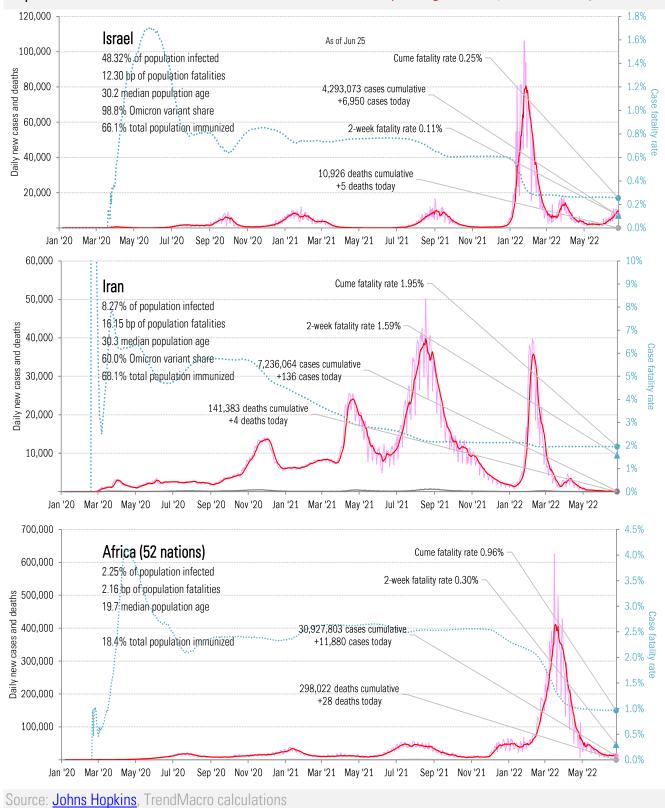
Impact in other hot-spots Cases: 7-day average and daily Deaths: Daily

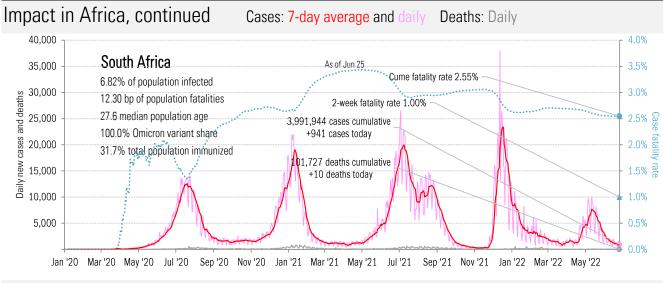
Impact in the BRICs ex-China Cases: 7-day average and daily Deaths: Daily





Cases: 7-day average and daily Deaths: Daily





Source: Johns Hopkins, TrendMacro calculations