



COVID-19 UPDATE: Major news on HCQ Wed? Latest GH consumer survey shows increase in willingness to leave home. Hispanics are 31% of US COVID-19 cases, nearly 2X population.

THIS MESSAGE IS BEING SENT SOLELY TO CLIENTS OF FS INSIGHT

Protests that are still raging in >75 cities across the US are breaking the COVID-19 progress timeline. We have mass gathering, which is 1000X mass transmission events. So, a factual observation is that after ~3 months of shelter-at-home, all discipline was cast aside. But it is not a guarantee that we see a second wave, despite the fact that Italy's and Spain's massive outbreaks began with a Champions League soccer match. If it does not lead to a second wave, it is the most significant worldwide event for COVID-19.

The first protests started 5 days ago and according to multiple studies (below) ~92% of those exposed to COVID-19 are symptomatic by day 14 (50% by Day 7). Day 14 is June 11th. So if no massive second wave starts by June 11th, we have a definitive break in the transmissibility of COVID-19. So the best case is no surges in the next 11 days.

We are presenting race/ethnicity COVID-19 data in this commentary. 47 states report consistent information and our data science team, led by tireless Ken, ingested this data (collected and reported by COVID-19 Tracking Project). I was pretty shocked at the data. Blacks and Hispanics are 53% of COVID-19 cases in the US and about 30% of the population. Asians and Whites are far less likely to have COVID-19.

	<u>% pop</u>	% COVID	Delta	
- White	60%	40%	-20%	
- Hispanic	17	31	+13	<-2x
- Black	13	22	+10	<-2x
- Asian	6	4	-2	
- Other	3	2	-1	

So as we are now >125 days into this pandemic, COVID-19 has hit the following particularly hard:

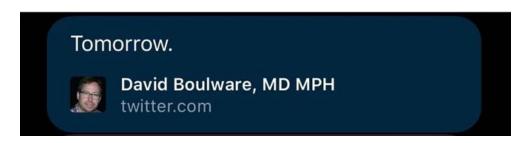
- NYC / NY tri-state
- Nursing homes (45% of deaths)
- Blacks/Hispanics (53% of cases)

Is this latter issue due to Vitamin D deficiencies? Last week, we wrote about how Vitamin D deficiency is worse in Black/Hispanic communities. As we highlight below, this concentration of cases with Black/Hispanic is throughout the US. So, there is something odd about this.

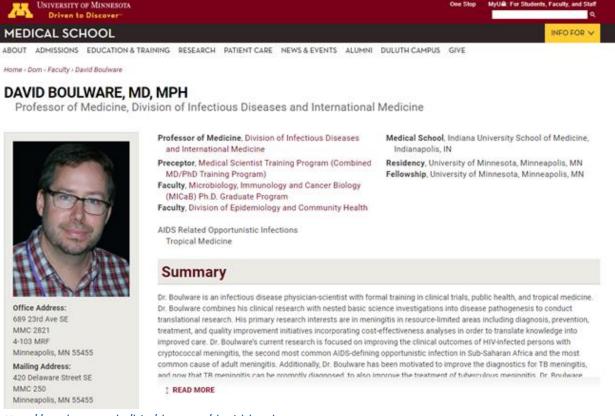


Potentially some major peer-reviewed announcement on hydroxychloroquine on Wednesday -- could be market moving...

Could this move markets Wednesday? See this cryptic tweet below, which has since been deleted. This tweet was shared with me by Xuan Yong, CEO of Rig-Up, before it was deleted.



He is an infectious disease specialist at the University of Minnesota and he has been conducting multiple studies on hydroxychloroquine, both as a treatment and as a preventative drug for COVID-19. And his studies are being peer reviewed. There is a lot of secrecy on his work and this cryptic tweet might suggest some big news on COVID-19 Wednesday.



https://med.umn.edu/bio/dom-a-z/david-boulware

HCQ is a relatively cheap drug and readily available. And if a peer-reviewed study shows it is effective, this could massively kick start a healthcare treatment regimen for COVID-19. And this would thus negate the "timeline" issue noted above.



Latest Gordon Haskett Consumer survey shows notable increase in willingness to leave home...

Chuck Grom, Broadlines and Hardlines Retail analyst at Gordon Haskett, published his latest consumer survey of >300 households. This is the 12th week for the survey and has asked consumer specific questions related to behavior and willingness among a variety of questions. It is an extensive survey with 45 questions. A few weeks ago, we published the survey results around question #43 (willingness to...) and back then, I was surprised to see the relatively high willingness of consumers to do some social activities.



It turns out that in week 12 (now), consumers have become even less "risk averse" and more willing to venture out of their homes. The 6 categories where we see a meaningful increase are below:

A month from now, w/o vaccine willing to (% YES):

week 10	week 12	(now) change
59.3%	61.6%	+2.3% <wow< td=""></wow<>
e 51.6	58.9	+7.3
51.6	58.3	+6.7
43.0	49.7	+6.7
43.0	47.7	+4.7
	59.3% e 51.6 51.6 43.0	e 51.6 58.9 51.6 58.3 43.0 49.7

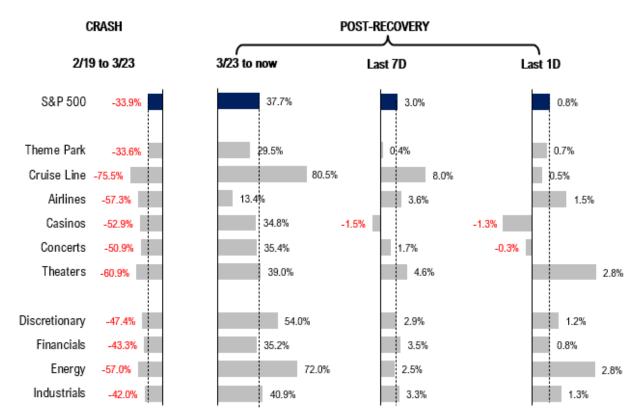
A month from now, w/o vaccine willing to (% NO):

	- , -		3 (
	week 10	week 12	(now) change
- Cruise ships	67.0%	66.9%	-0.1%
- Planes	61.2	62.3	+1.1
- Stadiums	59.0	59.3	+0.3

But it also looks like US consumers are less willing to take a cruise (OK, that is flat), get on an airplane and also go to a stadium. These still have the majority of the respondents unwilling to do these things, without a vaccine. This speaks positively about the pace of a US recovery as restrictions end.

But this is kind of moot, in the sense that the COVID-19 timeline is broken (I feel like I am talking about time travel). In any case, as we mentioned yesterday, if there is a second wave, "social distance victim" companies would be hit the hardest. Conversely, the price behavior of these stocks could inform us about the risks of a second wave. As you can see below, on a 1D and 7D basis, these groups are still outperforming the S&P 500. The exception are casinos.





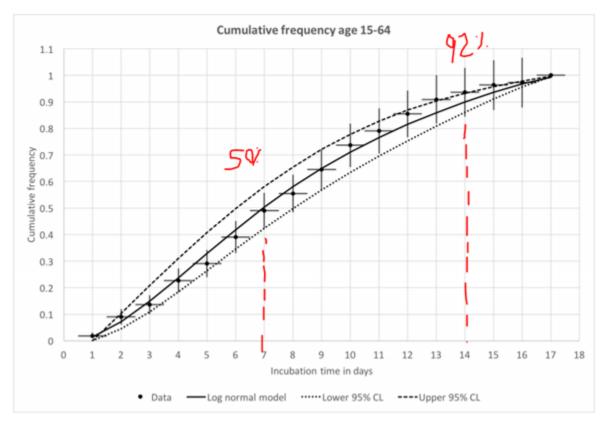
Source: Fundstrat and Bloomberg

We have had many client conversations this week. And we still find little change in our institutional clients' perception about equities. The move in prices seems far beyond their comprehension of contemporaneous fundamentals. And their forward views remain filled with uncertainty, which by the way, is clearly natural and logical. But if we were to reconcile the gap between our client views of markets (lower) vs current prices (higher), this gap seems to be a result of a market seeing more "visibility" than we individually recognize. By the way, credit markets, high-yield especially, are also more optimistic. So given this gap, we still see stocks in the hands of buyers ("half-full") and see the real opportunity in the "epicenter" stocks.

POINT #1: New US timeline, day 5 (protests -5D) of the "14 day" clock for second wave verdict --> June 11th. AZ + TX cases explode today (more imported cases from Mexico)

The US just had a massive COVID-19 mass transmission event, the nationwide protests over the death of George Floyd. In fact, these protests are continuing. Because it takes 14 days from transmission to symptomatic (for 92% of cases, see below), by June 11th we will know if there is indeed a massive second wave (14 days post-May 29th). More importantly, we believe daily cases data over the next week is essentially not useful.





https://www.medrxiv.org/content/10.1101/2020.04.14.20065896v1.full.pdf+html

June 11th is the "verdict" date for a second wave... if no second wave, the BIGGEST development in COVID-19

According to the University of Alabama study (chart above), about 50% of those exposed are symptomatic by Day 7 and 92% by Day 14. So, by June 11th, the verdict will be in, regarding a second wave.

Transmission timeline:

- May 29th protests start- June 2nd Day 5 >75 cities

- June 4th Day 7 50% of exposed symptomatic- June 11th Day 14 92% of exposed symptomatic

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14
May 29	May 30	May 31	Jun 1	Jun 2	Jun 3	Jun 4	Jun 5	Jun 6	Jun 7	Jun 8	Jun 9	Jun 10	Jun 11

But the key date is June 11th. If there is no second wave in cases by June 11th, this is a transformational outcome. The mass exposures did not lead to a 2nd wave.



USA daily cases steady vs 1D ago at 20,183 but Arizona and Texas accounted for the entire surge.

Total USA cases came in flat vs yesterday with 20,183 cases. 2 states saw sizable surges, Arizona and Texas. Arizona cases 5X compared to a day ago and Texas saw a 3X in cases. We discuss AZ below, but there is not a lot of explanation given by the state for the surge, other than a 240% increase in testing. Texas looks to be a case of jails reporting case data.

There as the usual churn (yesterday, MA had a massive surge because of adding probable cases).

6 states see sizable jumps:

Texas	1,688 vs	593 (2	LD) +1,095 < Texa	s jails report cases
Arizona	1,127 vs	187	+940 < +250	% rise in tests
Illinois	1,614 vs	974	+640	
New York	1,329 vs	941	+388	
Maryland	848 vs	549	+299	
Tennessee	821 vs	548	+273	
Total 6 stat	es		+3,635	

5 states see sizable declines:

Mass a chusetts	358 vs 3,840 (1D) -3,482	< 1D adjustment fades
Connecticut	239 vs 539	-300	

 Kentucky
 139 vs 342
 -203

 Alabama
 279 vs 460
 -181

 California
 2,304 vs 2,423
 -119

 Total 5 states
 -4,285



Daily Case Increases (by State) (06/02)

% total new cases (state cases/ total US cases) % total US pop (state population/ total US population)

Sorted Last 3-day trend growth rates

United States						
States:			5/31/20	6/1/20	6/2/20	
1 California 3,705 2,423 2,304 2 Texas 1,949 593 1,688 3 Illinois 1,343 974 1,614 ← higher 1,329 5 Arizona 681 187 1,127 ← higher 6 Maryland 763 549 848 7 Virginia 996 791 841 8 221 ← higher 1		United States	22,074	19,959	20,183	+224
2 Texas		States:				
Illinois	1	California	3,705	2,423	2,304	
4 New York 1,110 941 1,329 5 Arizona 681 187 1,127 <-higher		Texas	1,949	593	1,688	
5 Arizona 681 187 1,127 <-higher			1,343	974	1,614	<higher< td=""></higher<>
6 Maryland 763 549 848 7 Virginia 996 791 841 8 Tennessee 440 548 821 <-higher 9 New Jersey 837 473 627 10 North Carolina 916 674 626 11 Florida 739 667 617 12 Pennsylvania 511 356 612 13 Georgia 700 632 589 14 Indiana 363 256 407 15 Louisiana 339 425 405 16 Arkansas 240 190 375 <-higher 17 Wisconsin 173 140 374 <-higher 18 Ohio 479 471 366 19 Massachusetts 664 3,840 358 20 Iowa 308 145 319 21 Minnesota 660 358 300 22 Alabama 544 460 279 23 Washington 278 353 275 24 Mississippi 272 251 268 25 South Carolina 467 287 267 26 Nebraska 196 244 266 27 Missouri 185 180 248 <-higher 28 Connecticut 179 539 239 10 Kentucky 0 342 139 11 Utah 264 202 203 12 Michigan 513 135 199 13 Nevada 98 95 142 <-higher 14 Kentucky 0 342 139 15 Rhode Island 109 63 121 16 Okahoma 88 67 119 <-higher 17 Bloom 180 Nevada 199 211 18 Okahoma 88 67 119 <-higher 18 Okahoma 88 67 119 <-higher 19 Michigan 33 44 33 44 33 44 34 45 45 46 46 46 46 46 46 46 46 46 46 46 46 46			1,110	941		
7 Virginia 996 791 841 8 Tennessee 440 548 821 <-higher	-					<higher< td=""></higher<>
8 Tennessee	_					
9 New Jersey 837 473 627 10 North Carolina 916 674 626 11 Florida 739 667 617 12 Pennsylvania 511 356 612 13 Georgia 700 632 589 14 Indiana 363 256 407 15 Louisiana 339 425 405 16 Arkansas 240 190 375 <higher 0="" 0<="" 1="" 10="" 106="" 107="" 109="" 119="" 121="" 135="" 139="" 140="" 142="" 145="" 17="" 173="" 179="" 18="" 180="" 185="" 19="" 196="" 199="" 2="" 20="" 202="" 203="" 21="" 22="" 23="" 239="" 24="" 244="" 248="" 25="" 251="" 26="" 264="" 266="" 267="" 268="" 27="" 272="" 275="" 278="" 279="" 28="" 287="" 292="" 3,840="" 300="" 308="" 31="" 319="" 32="" 33="" 34="" 342="" 35="" 353="" 358="" 36="" 366="" 37="" 374="" 38="" 4="" 40="" 41="" 42="" 43="" 44="" 45="" 46="" 460="" 467="" 47="" 471="" 479="" 48="" 49="" 5="" 50="" 51="" 513="" 52="" 539="" 544="" 55="" 57="" 58="" 59="" 63="" 64="" 660="" 664="" 67="" 7="" 76="" 80="" 88="" 95="" 98="" <higher="" alabama="" alaska="" carolina="" columbia="" connecticut="" cregon="" dakota="" delaware="" district="" guam="" hampshire="" idaho="" iowa="" island="" islands="" kansas="" kentucky="" mariana="" massachusetts="" michigan="" minnesota="" mississippi="" missouri="" montana="" nebraska="" nevada="" new="" north="" northern="" of="" ohio="" oklahoma="" oregon="" rhode="" south="" td="" utah="" vermont="" virginia="" washington="" west="" wisconsin="" wordina="" wyoming=""><td></td><td>_</td><td></td><td></td><td></td><td></td></higher>		_				
North Carolina	-					<higher< td=""></higher<>
Florida	-					
Pennsylvania						
13 Georgia 700 632 589 14 Indiana 363 256 407 15 Louisiana 339 425 405 16 Arkansas 240 190 375 17 Wisconsin 173 140 374 18 Ohio 479 471 366 19 Massachusetts 664 3,840 358 20 Iowa 308 145 319 21 Minnesota 660 358 300 22 Alabama 544 460 279 23 Washington 278 353 275 24 Mississippi 272 251 268 25 South Carolina 467 287 267 26 Nebraska 196 244 266 27 Missouri 185 180 248 28 Connecticut 179 539 239 30 Colorado 280 199 211 31 Utah 264 202 203 32 Michigan 513 135 199 33 Nevada 98 95 142 34 Kentucky 0 342 139 35 Rhode Island 109 63 121 36 Oklahoma 88 67 119 4 37 Delaware 76 107 80 38 New Hampshire 106 34 64 40 South Dakota 33 41 33 41 Oregon 58 59 33 42 Olistrict of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48 24 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 40 Vyoming 5 7 2 50 Kansas 0 292 0 55 Kansas 0 292 0						
Indiana 363 256 407 155 Louisiana 339 425 405						
15		-				
16 Arkansas 240 190 375 <-higher						
173						
18 Ohio 479 471 366 19 Massachusetts 664 3,840 358 20 Iowa 308 145 319 21 Minnesota 660 358 300 22 Alabama 544 460 279 23 Washington 278 353 275 24 Mississippi 272 251 268 25 South Carolina 467 287 267 26 Nebraska 196 244 266 27 Missouri 185 180 248 higher 28 Connecticut 179 539 239 299 New Mexico 65 111 224 higher 30 Colorado 280 199 211 31 Utah 264 202 203 31 Utah 264 202 203 32 Micher higher 34						_
19						<higher< td=""></higher<>
20 Iowa 308 145 319 21 Minnesota 660 358 300 22 Alabama 544 460 279 23 Washington 278 353 275 24 Mississippi 272 251 268 25 South Carolina 467 287 267 26 Nebraska 196 244 266 27 Missouri 185 180 248 <-higher						
21 Minnesota 660 358 300 22 Alabama 544 460 279 23 Washington 278 353 275 24 Mississippi 272 251 268 25 South Carolina 467 287 287 26 Nebraska 196 244 266 27 Missouri 185 180 248 <-higher						
22 Alabama 544 460 279 23 Washington 278 353 275 24 Mississippi 272 251 268 25 South Carolina 467 287 267 26 Nebraska 196 244 266 27 Missouri 185 180 248 <-higher						
23 Washington 278 353 275 24 Mississippi 272 251 268 25 South Carolina 467 287 267 26 Nebraska 196 244 266 27 Missouri 185 180 248 <-higher						
24 Mississippi 272 251 268 25 South Carolina 467 287 267 26 Nebraska 196 244 266 27 Missouri 185 180 248 higher 28 Connecticut 179 539 239 higher 28 Connecticut 179 539 239 higher 30 New Mexico 65 111 224 higher 31 Utah 264 202 203 32 Michigan 513 135 199 33 Nevada 98 95 142 higher 34 Kentucky 0 342 139 35 Rhode Island 109 63 121 higher 36 Oklahoma 88 67 119 higher 36 Delaware 76 107 80 38 New Hampshire						
25 South Carolina 467 287 267 26 Nebraska 196 244 266 27 Missouri 185 180 248 <higher< td=""> 28 Connecticut 179 539 239 29 New Mexico 65 111 224 <higher< td=""> 30 Colorado 280 199 211 31 Utah 264 202 203 32 Michigan 513 135 199 33 Nevada 98 95 142 <-higher</higher<></higher<>		-				
26 Nebraska 196 244 266 27 Missouri 185 180 248 <higher< td=""> 28 Connecticut 179 539 239 29 New Mexico 65 111 224 <higher< td=""> 30 Colorado 280 199 211 31 Utah 264 202 203 32 Michigan 513 135 199 33 Nevada 98 95 142 <-higher</higher<></higher<>		**				
27 Missouri 185 180 248 <-higher						
28 Connecticut 179 539 239 29 New Mexico 65 111 224 30 Colorado 280 199 211 31 Utah 264 202 203 32 Michigan 513 135 199 33 Nevada 98 95 142 <-higher						< blobse
29 New Mexico 65 111 224 <-higher						<inglier< td=""></inglier<>
30 Colorado 280 199 211 31 Utah 264 202 203 32 Michigan 513 135 199 33 Nevada 98 95 142 <higher< td=""> 34 Kentucky 0 342 139 35 Rhode Island 109 63 121 36 Oklahoma 88 67 119 <higher< td=""> 37 Delaware 76 107 80 38 New Hampshire 106 34 64 39 Puerto Rico 58 97 62 40 South Dakota 33 41 33 41 Oregon 58 59 33 42 District of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36</higher<></higher<>						< higher
31 Utah 264 202 203 32 Michigan 513 135 199 33 Nevada 98 95 142 <higher< td=""> 34 Kentucky 0 342 139 35 Rhode Island 109 63 121 36 Oklahoma 88 67 119 37 Delaware 76 107 80 38 New Hampshire 106 34 64 39 Puerto Rico 58 97 62 40 South Dakota 33 41 33 41 Oregon 58 59 33 42 District of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48</higher<>						<inglier< td=""></inglier<>
32 Michigan 513 135 199 33 Nevada 98 95 142 <-higher						
33 Nevada 98 95 142 <-higher						
34 Kentucky 0 342 139 35 Rhode Island 109 63 121 36 Oklahoma 88 67 119 <higher< td=""> 37 Delaware 76 107 80 38 New Hampshire 106 34 64 39 Puerto Rico 58 97 62 40 South Dakota 33 41 33 41 Oregon 58 59 33 42 District of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Viriginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4</higher<>		-				<higher< td=""></higher<>
35 Rhode Island 109 63 121 36 Oklahoma 88 67 119 37 Delaware 76 107 80 38 New Hampshire 106 34 64 39 Puerto Rico 58 97 62 40 South Dakota 33 41 33 41 Oregon 58 59 33 42 District of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>- mgnor</td>						- mgnor
36 Oklahoma 88 67 119 <-higher		•	_			
37 Delaware 76 107 80 38 New Hampshire 106 34 64 39 Puerto Rico 58 97 62 40 South Dakota 33 41 33 41 Oregon 58 59 33 42 District of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 <td></td> <td></td> <td></td> <td></td> <td></td> <td><higher< td=""></higher<></td>						<higher< td=""></higher<>
38 New Hampshire 106 34 64 39 Puerto Rico 58 97 62 40 South Dakota 33 41 33 41 Oregon 58 59 33 42 District of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54	37					
40 South Dakota 33 41 33 41 Oregon 58 59 33 42 District of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	38	New Hampshire	106	34	64	
41 Oregon 58 59 33 42 District of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	39	•	58	97	62	
42 District of Columbia 84 56 29 43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	40	South Dakota	33	41	33	
43 Maine 43 24 28 44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	41	Oregon	58	59	33	
44 Idaho 57 10 27 45 West Virginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	42	District of Columbia	84	56	29	
45 West Virginia 36 7 24 46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	43	Maine	43	24	28	
46 North Dakota 23 48 21 47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	44	Idaho	57	10	27	
47 Alaska 26 7 20 48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	45	West Virginia	36	7	24	
48 Vermont 4 2 5 49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	46	North Dakota	23	48	21	
49 Montana 10 4 4 50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	47	Alaska	26	7	20	
50 Wyoming 5 7 2 51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	48	Vermont	4	2	5	
51 Guam 0 2 2 52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	49	Montana	10	4	4	
52 Northern Mariana Islands 0 0 1 53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	50	Wyoming	5	7	2	
53 Hawaii 1 0 1 54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0	51	Guam	0	2	2	
54 U.S. Virgin Islands 0 1 0 55 Kansas 0 292 0		Northern Mariana Islands	0	0	1	
55 Kansas 0 292 0		Hawaii	1	0	1	
		U.S. Virgin Islands	0	1	0	
56 American Samoa 0 0 0			_	292		
	56	American Samoa	0	0	0	

Source: COVID-19 tracking project



Several Texas counties reported big surges today... with Jones and Walker reporting jumps

The surge in TX is a result of some counties reporting a 1D jump in cases, such as Jones and Walker. According to tireless Ken, these two counties have jails which reported case data in the past day.

Daily Cases in Past 5 Days (Report Date)...

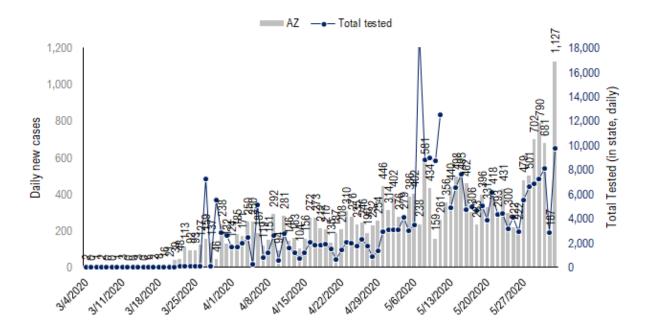
				Case Per	Border					
		% State	Total	1MM	with					
County	Population	Pops	Cases	Residents	Mexico		5/30/20	5/31/20	6/1/20	6/2/20
Texas	29,677,668	100%	59,104	1,992		1,230	1,332	1,949	593	1,688
Harris	4,978,845	16.8%	12,664	2,544		228	239	211	56	388
Dallas	2,734,111	9.2%	10,462	3,826		202	200	219	228	228
Jones	19,735	0.1%	606	30,707		31	47	0	0	205
Moore	21,575	0.1%	838	38,841		37	2	82	3	149
Walker	73,997	0.2%	1,574	21,271		0	76	510	1	118
Travis	1,291,502	4.4%	3,360	2,602		67	62	46	40	88
El Paso	876,120	3.0%	2,833	3,234	x	54	81	60	30	39
Potter	122,706	0.4%	2,354	19,184		10	41	4	0	33
Galveston	355,196	1.2%	847	2,385		9	7	12	10	30
Denton	897,953	3.0%	1,398	1,557		33	11	28	16	25
Hays	234,896	0.8%	353	1,503		17	15	0	0	24
Gregg	125,730	0.4%	236	1,877		2	10	0	0	23
Tarrant	2,143,755	7.2%	5,534	2,581		104	85	84	50	21
Randall	138,104	0.5%	688	4,982		3	13	3	0	14
Bell	353,629	1.2%	391	1,106		10	11	6	16	13
Brazoria	375,869	1.3%	929	2,472		21	12	13	10	12
Cameron	427,881	1.4%	776	1,814	X	12	11	10	0	12
Jefferson	258,678	0.9%	562	2,173		6	9	11	6	12
Lubbock	317,210	1.1%	704	2,219		3	8	3	1	12
Montgomery	613,951	2.1%	966	1,573		14	14	0	0	12
Angelina	90,437	0.3%	215	2,377		2	2	0	0	10
Bexar	2,093,502	7.1%	2,839	1,356		58	53	189	5	9
Hidalgo	870,366	2.9%	584	671	X	0	11	12	15	9
Titus	32,953	0.1%	467	14,172		21	-18	5	7	9
Williamson	589,914	2.0%	630	1,068		8	9	7	9	9
Bastrop	86,105	0.3%	220	2,555		4	4	7	1	8
Ellis	177,721	0.6%	325	1,829		4	8	0	0	8

Source: TX health dept



Most of AZ cases are near US-Mexico border but also a massive rise in tests...

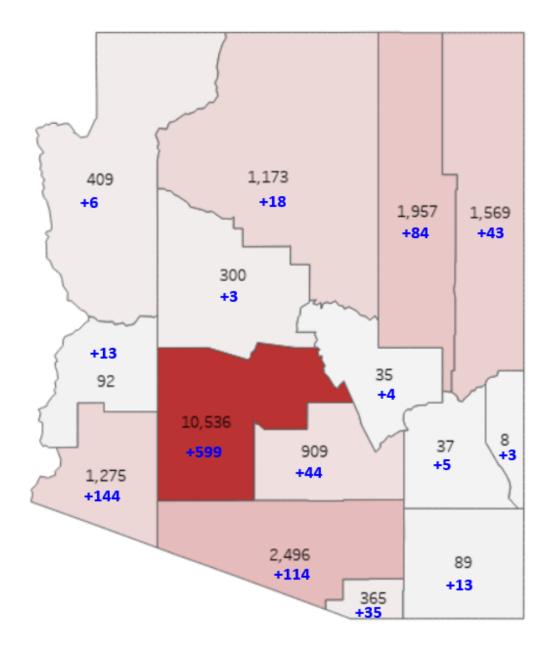
The state did not provide much explanation for the surge in cases today. But as shown below, total tests rose 250% compared to a day ago. And the state's stay-at-home orders are set to expire today.



Source: COVID-19 tracking project



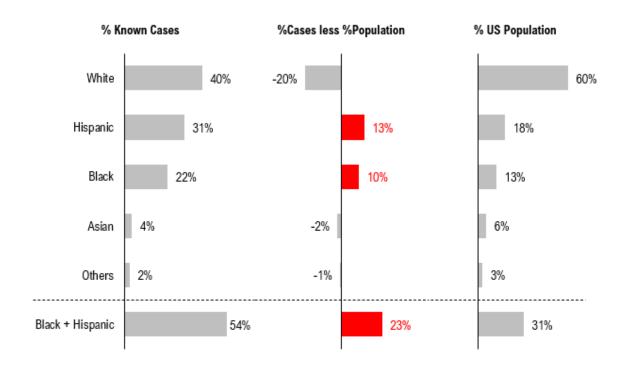
As shown below, most of the new cases in AZ are near the Mexico border. Again, suggesting the further increase in "imported" cases.





POINT #2: Hispanics are a shocking 31% of COVID-19 cases in the US (overall 17% of US)

We have not heard a lot about COVID-19's nationwide on impact ethnic/racial groups. Using data from COVID-19 Tracking Project, we found 47 states report case data and 43 states report death for ethnicity/race. As noted from above, Hispanics and Blacks are disproportionately impacted by COVID-19. Conversely, Whites and Asians are less likely to be suffering from COVID-19.

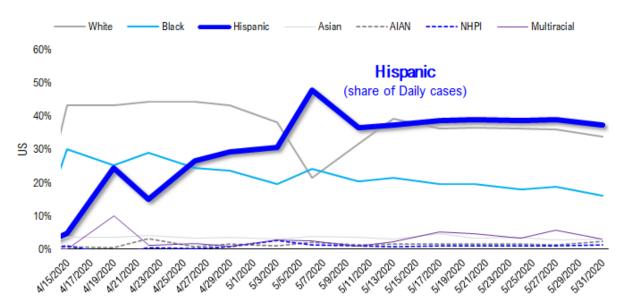


Source: COVID-19 Tracking Project



Hispanic share of cases has been high since the beginning of the crisis...

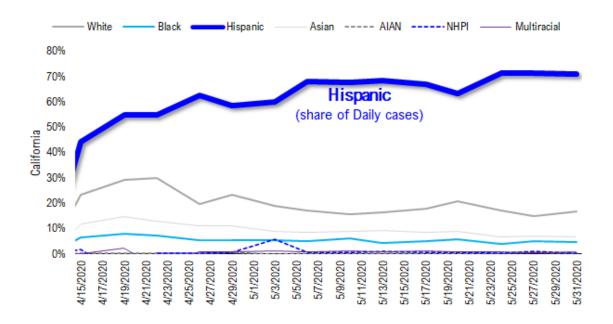
Since the onset of the pandemic, Hispanic share of COVID-19 cases has been high and remained high. So, this is not a function of a recent surge, or a secondary transmission. This has been the case nationwide from virtually the beginning.



Source: COVID-19 Tracking Project

Hispanic share has been rising recently in CA...

Hispanic cases are now ~70% of the daily cases in California. And this figure has been increasing in that state over the past few weeks. We wrote about Imperial County, CA and San Diego, CA seeing an overflow of cases imported from Mexico. And this partially explains this increase.





Hispanic skew is highest in Virginia, Rhode Island, Utah and Washington State...

Ethnicity and race data is not collected for every case, so tireless Ken only reflects the statistics and data for the cases which identified race/ethnicity. This is a high percentage of tested cases in most states. We have provided the snapshot of the data below, sorting by the Hispanic "delta" (cases less population share). The numbers are really staggering. Shocking.

	cases	pops			
- Virginia	41%	vs	10%		
- Rhode Island	46	vs	16		
- Utah	44	vs	14		
- Washington	40	VS	13		

	% Known	Cases				%Cases less %Population						
State	White	Hispanic	Black	Asian	Others	Black + Hispanic	White	Hispanic	Black	Asian	Others	Black + Hispanic
United States	40%	31%	22%	4%	2%	54%	-20%	13%	10%	-2%	-1%	23%
Virginia	40%	41%	18%	12	0%	60%	-21%	32%	-1%	33	-3%	31%
Rhode Island	37%	46%	13%		3%	60%	-35%	30%	7%	-	0%	38%
Utah	41%	44%	4%	3%	8%	48%	-37%	30%	2%	0%	4%	32%
Washington	40%	40%	7%	8%	6%	47%	-28%	27%	3%	-1%	-0%	30%
Illinois	28%	44%	23%	4%	1%	68%	-33%	27%	9%	-2%	-1%	36%
Colorado	42%	46%	7%	3%	2%	53%	-26%	24%	3%	-0%	-1%	27%
Wisconsin	47%	31%	18%	3%	1%	48%	-34%	24%	11%	0%	-2%	35%
Kansas	51%	35%	8%	5%	0%	44%	-25%	23%	2%	2%	-3%	26%
Delaware	34%	33%	31%	2%	0%	64%	-28%	23%	10%	-2%	-3%	33%
Maryland	26%	34%	38%	3%	0%	72%	-25%	23%	8%	-4%	-3%	31%
Oregon	53%	36%	3%	4%	5%	38%	-23%	22%	1%	-1%	0%	23%
Massachusetts	47%	34%	16%	3%	0%	50%	-25%	21%	9%	-4%	-2%	30%
California	22%	60%	6%	10%	2%	66%	-15%	21%	0%	-5%	-2%	21%
North Carolina	44%	29%	24%	2%	1%	53%	-19%	19%	3%	-1%	-2%	22%
lowa	56%	25%	11%	9%	0%	36%	-30%	19%	7%	6%	-2%	26%
Tennessee	49%	24%	25%	2%	0%	49%	-25%	18%	9%	0%	-2%	27%
District of Columbia	17%	29%	52%	1%	1%	81%	-20%	18%	7%	-3%	-2%	25%
Minnesota	40%	23%	26%	7%	3%	50%	-39%	18%	20%	2%	0%	38%
Florida	33%	43%	24%	2.20	0%	67%	-20%	17%	8%	-	-2%	25%
South Dakota	35%	20%	21%	13%	11%	41%	-46%	16%	18%	12%	1%	34%
New Jersey	40%	34%	20%	6%	0%	54%	-15%	14%	7%	4%	-2%	20%
ldaho	63%	26%	2%	2%	8%	28%	-19%	13%	1%	0%	4%	14%
Nevada	35%	41%	12%	11%	1%	53%	-13%	12%	3%	3%	-4%	14%
Connecticut	52%	27%	19%	2%	0%	46%	-15%	10%	9%	-3%	-2%	20%
Indiana	62%	17%	19%	2%	0%	36%	-17%	9%	10%	-0%	-2%	19%
Kentucky	65%	13%	13%	5%	5%	26%	-20%	9%	5%	3%	3%	14%
Georgia	35%	18%	45%	2%	0%	63%	-17%	8%	14%	-2%	-2%	22%
Oklahoma	63%	19%	9%	3%	6%	28%	-2%	8%	2%	0%	-8%	10%
Pennsylvania	57%	14%	25%	3%	0%	40%	-19%	7%	14%	-1%	-2%	21%
Texas	32%	46%	18%	4%	0%	64%	-10%	6%	6%	-1%	-2%	13%
New Hampshire	81%	10%	6%	3%	0%	16%	-9%	6%	5%	0%	-2%	10%
Alabama	43%	10%	47%	1%	0%	57%	-23%	6%	20%	-1%	-2%	26%
Missouri	51%	10%	37%	-	3%	47%	-29%	5%	25%		0%	31%
South Carolina	42%	11%	44%	2%	0%	56%	-21%	5%	18%	0%	-2%	23%
Ohio	57%	8%	28%	3%	5%	36%	-22%	4%	15%	1%	2%	19%
Arizona	37%	35%	5%	2%	22%	40%	-18%	3%	1%	-2%	16%	4%
Michigan	43%	8%	36%	2%	10%	44%	-32%	3%	22%	-1%	7%	25%
Mississippi	31%	6%	58%	0%	5%	64%	-26%	3%	21%	-1%	3%	24%
Wyoming	50%	12%	1%	1%	36%	13%	-34%	2%	0%	-0%	32%	2%
Maine	74%	3%	20%	2%	1%	23%	-19%	2%	18%	0%	-2%	20%

Source: COVID-19 Tracking Project

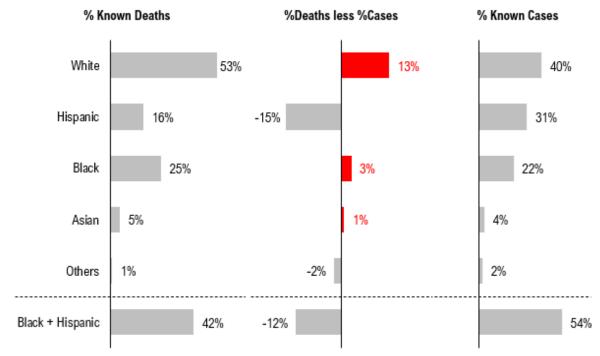


Regarding Deaths, Hispanics are far fewer share and Whites are much higher share of deaths...

The share of deaths does not mirror the share of cases. In other words, the implied mortality rate is much different. Whites and Blacks are much more likely to die from COVID-19.

- Whites are 53% of the deaths and 40% of cases
- Black are 25% of deaths and 22% of cases
- Hispanics are 16% of reported deaths but 31% of the cases.

So, the implied Hispanic mortality is half of the overall US. There are many factors, such as age, and health, and pre-conditions (obesity, diabetes, smoker, etc.). And perhaps the prevalence of these risk factors plays into this mix.



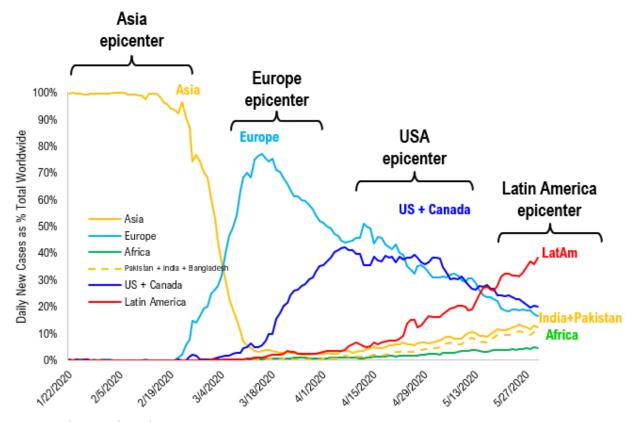
Source: COVID-19 Tracking Project



POINT #3: Latin America is the new epicenter and seeing accelerating in case growth

We will periodically visit developments in Latin America and as we highlight below, case growth is still accelerating down in Latin America. The region is entering their "winter" months, and cooler weather means weaker immune systems and less vitamin D as well.

- The % share of daily COVID-19 global cases is shown below. And as we annotated, the largest share of COVID-19 cases is not seen in Latin America. The share of Latin America cases vs RoW is meaningfully higher.

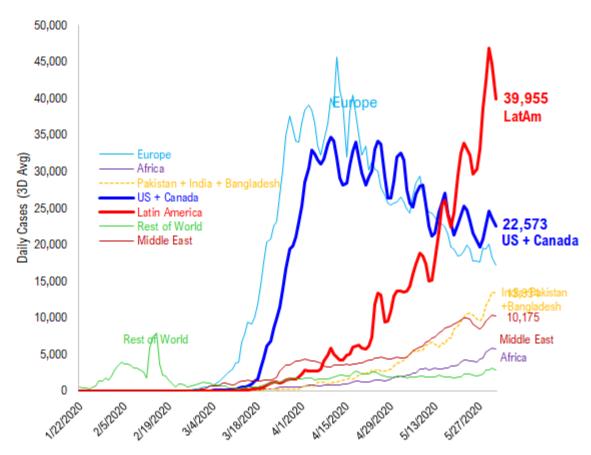


Source: Johns Hopkins data



Latin America daily cases ~40,000 per day are 2X the US...

In reported daily cases, Latin America is reporting about 40,000 cases per day (2X USA) with Brazil representing half of that total. Brazil is 1.8X larger than the US and its daily case numbers are already well above the US.



Source: Johns Hopkins data

The same four nations dominate case growth in Latin America -- Brazil, Peru, Chile and Mexico. These four nations account for 75% of all reported cases. And have nearly 900,000 confirmed cases in total. The region as a whole should be exceeding 1 million cases by next week.

- Brazil and Peru have reported lower cases today vs 1-2D ago (see table) and so it could be possible they are past peak cases.
- But 1 or 2 or even 7 days is hardly sufficient to judge a peak. This was an issue in the US.



										1	Peak Daily (Cases		
													%	
				#Cases	N	New Cases	New Cases per 1mm		#Death per	Montality			Decline	# Days Since
	Country	Population	Total Cases	per 1mm	New	(3D Avo)	(3D Avg)	#Death	Residents	Rate	Date	# Cases	from Peak	Peak
1	Brazil	212.559.417	526.447	2.477	11.598	20.427	(3D Avg) 96	29,937	140.8	5.7%	5/30/20	33.274	-65%	2
2	Peru	32,971,854	170,039	5,157	5,563	7,251	220	4,634	140.5	2.7%	5/31/20	8,805	-37%	1
3	Chile	19,116,201	105,158	5,501	5,470	4,840	253	1,113	58.2	1.1%	6/1/20	5,470	-37 70	
4	Mexico	128,932,753	93,435	725	2,771	2,936	23	10,167	78.9	10.9%	5/27/20	3,463	-20%	5
5	Colombia	50,882,891	29,384	577	2,165	1,326	26	963	18.9	3.3%	6/1/20	2,165	-2070	_
6	Argentina	45, 195,774	17,415	385	564	665	15	556	12.3	3.2%	5/30/20	795	-29%	2
7	Bolivia	11,673,021	10,531	902	549	600	51	343	29.4	3.3%	5/30/20	861	-36%	2
8	Panama	4,314,767	13,837	3,207	374	435	101	344	79.7	2.5%	5/30/20	487	-23%	2
9	Dominican Republic	10,847,910	17,572	1,620	287	347	32	502	46.3	2.9%	5/9/20	506	-43%	23
10	Guatemala	17,915,568	5,336	298	249	243	14	116	6.5	2.2%	5/24/20	370	-33%	8
11	Hati	11,402,528	2,226	195	102	214	19	45	3.9	2.0%	5/30/20	281	-64%	2
12	Honduras	9,904,607	5,362	541	160	203	21	217	21.9	4.0%	5/24/20	473	-66%	8
13	Ecuador	17,643,054	39,098	2.216	0	176	10	3.358	190.3	8.6%	4/24/20	11,536	-100%	38
14	El Salvador	6,486,205	2,582	398	65	101	16	46	7.1	1.8%	5/31/20	122	-47%	1
15	Venezuela	28,435,940	1,662	58	152	97	3	17	0.6	1.0%	6/1/20	152	_	_
16	Paraguay	7,132,538	995	140	9	26	4	11	1.5	1.1%	5/9/20	126	-93%	23
17	Cuba	11,326,616	2.083	184	38	26	2	83	7.3	4.0%	5/2/20	74	-49%	30
18	Costa Rica	5,094,118	1.084	213	28	21	4	10	2.0	0.9%	4/9/20	37	-24%	53
19	Suriname	586,632	44	75	21	11	18	1	1.7	2.3%	6/1/20	21	_	_
20	Jamaica	2,961,167	588	199	2	4	1	9	3.0	1.5%	4/15/20	52	-96%	47
21	Uruguay	3,473,730	825	237	2	3	1	23	6.6	2.8%	3/27/20	36	-94%	66
22	Guyana	786,552	153	195	0	1	1	12	15.3	7.8%	3/22/20	12	-100%	71
23	Trinidad and Tobago	1,399,488	117	84	0	0	0	8	5.7	6.8%	3/21/20	40	-100%	72
24	Antigua and Barbuda	97,929	26	265	0	0	3	3	30.6	11.5%	4/3/20	6	-100%	59
25	Saint Kitts and Nevis	53,199	15	282	0	0	0	0	0.0	0.0%	3/30/20	5	-100%	63
26	Beize	397,628	18	45	0	0	0	2	5.0	11.1%	4/13/20	4	-100%	49
27	Grenada	112,523	23	204	0	0	0	0	0.0	0.0%	3/26/20	6	-100%	67
28	Dominica	71,986	16	222	0	0	0	0	0.0	0.0%	3/25/20	5	-100%	68
29	Saint Vincent and the (110,940	26	234	0	0	0	0	0.0	0.0%	5/28/20	7	-100%	4
30	Saint Lucia	183,627	18	98	0	0	0	0	0.0	0.0%	3/29/20	6	-100%	64
31	Nicaragua	6,624,554	759	115	0	0	0	35	5.3	4.6%	5/26/20	480	-100%	6
32	Barbados	287,375	92	320	0	0	0	7	24.4	7.6%	4/2/20	12	-100%	60
33	Bahamas	393,244	102	259	0	0	0	11	28.0	10.8%	4/1/20	7	-100%	61
	Average	19,678,071	31,729	837	914	1,211	28	1,593	29.5	3.9%			-73%	33
	Median	6,486,205	1,084	259	21	26	4	23	7.1	2.8%			-94%	30
	Total	649,376,336	1,047,068	1,612	30,169			52,573		5.0%				

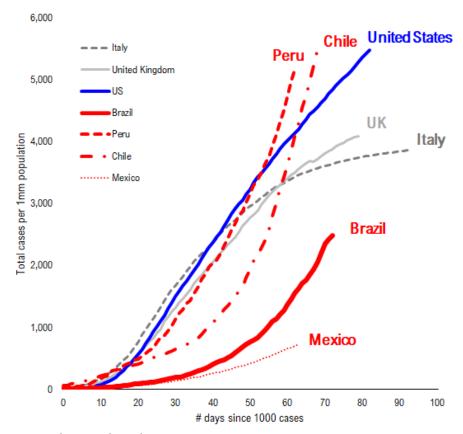
Source: Johns Hopkins data

Peru and Chile prevalence curves are much steeper than the US (cases per 1mm residents)

We rebased the case counts for the four major LatAm nations, based on the day they reached 1,000 cases. And to further improve comparability, we used cases per 1mm residents.

- Peru and Chile have seen cases per 1mm surge well past the US in fewer days as well.
- Both countries still show quite a steep slope and thus, the prevalence in these nations will likely exceed the US.
- Brazil's case count slope looks like it might have "kinked" recently, and hopefully case growth slows.





Source: Johns Hopkins data

If LatAm is the new epicenter, US essentially will be "exporting" COVID-19 healthcare and technology solutions

Interestingly, if Latin America is the new epicenter for COVID-19, then the US could become an exporter of COVID-19 solutions. We are simply just observing that the US has the most cases in the world. And thus, dedicated the most resources to solving the problems. Now these solutions will potentially be exported (profits). The solutions being:

- healthcare regimens;
- testing solutions;
- equipment and PPE;
- sanitation expertise;
- contact tracing;
- work from home technology;
- manufacturing processes;

So the economic burden of COVID-19 is mitigated in the US, to an extent, by offering these solutions to the rest of the World.



STRATEGY: The VIX fell to 10 week low of 27 and a move below 20 would represent a massive risk-on confirmation

The VIX has been rallying and made a pretty decline today, falling 1.5 points to 27 (below) and the lowest close since early March. In fact, as the 1-yr chart below shows, there is a huge gap.

- Pre-COVID-19 panic, the VIX was <20;
- Post-COVID-19 panic, the VIX is >30;

The current 27 is in the middle-ish. The "no man's land" but it is falling. And if this falls towards 20, this would be a significant risk-on confirmation. For the most part, we find many of our clients skeptical of the rise in equities. And as such, they see this move largely as a result of Central bank liquidity. This could be the case. But there has been massive central bank liquidity in Europe and Japan for much longer and even larger size, and those equity markets have not outperformed the US.



Source: Bloomberg.



Disclosures

This research is for the clients of FS Insight only. For additional information, please contact your sales representative or FS Insight at http://www.fsinsight.com/.

Conflicts of Interest

This research contains the views, opinions and recommendations of FS Insight. At the time of publication of this report, FS Insight does not know of, or have reason to know of any material conflicts of interest.

General Disclosures

FS Insight is an independent research company and is not a registered investment advisor and is not acting as a broker dealer under any federal or state securities laws.

FS Insight is a member of IRC Securities' Research Prime Services Platform. IRC Securities is a FINRA registered broker-dealer that is focused on supporting the independent research industry. Certain personnel of FS Insight (i.e. Research Analysts) are registered representatives of IRC Securities, a FINRA member firm registered as a broker-dealer with the Securities and Exchange Commission and certain state securities regulators. As registered representatives and independent contractors of IRC Securities, such personnel may receive commissions paid to or shared with IRC Securities for transactions placed by FS Insight clients directly with IRC Securities or with securities firms that may share commissions with IRC Securities in accordance with applicable SEC and FINRA requirements. IRC Securities does not distribute the research of FS Insight, which is available to select institutional clients that have engaged FS Insight.

As registered representatives of IRC Securities our analysts must follow IRC Securities' Written Supervisory Procedures. Notable compliance policies include (1) prohibition of insider trading or the facilitation thereof, (2) maintaining client confidentiality, (3) archival of electronic communications, and (4) appropriate use of electronic communications, amongst other compliance related policies.

FS Insight does not have the same conflicts that traditional sell-side research organizations have because FS Insight (1) does not conduct any investment banking activities, (2) does not manage any investment funds, and (3) our clients are only institutional investors.

This research is for the clients of FS Insight only. Additional information is available upon request. Information has been obtained from sources believed to be reliable, but FS Insight does not warrant its completeness or accuracy except with respect to any disclosures relative to FS Insight and the analyst's involvement (if any) with any of the subject companies of the research. All pricing is as of the market close for the securities discussed, unless otherwise stated. Opinions and estimates constitute our judgment as of the date of this material and are subject to change without notice. Past performance is not indicative of future results. This material is not intended as an offer or solicitation for the purchase or sale of any financial instrument. The opinions and recommendations herein do not take into account individual client circumstances, risk tolerance, objectives, or needs and are not intended as recommendations of particular securities, financial instruments or strategies. The recipient of this report must make its own independent decision regarding any securities or financial instruments mentioned herein. Except in circumstances where FS Insight expressly agrees otherwise in writing, FS Insight is not acting as a municipal advisor and the opinions or views contained herein are not intended to be, and do not constitute, advice, including within the meaning of Section 15B of the Securities Exchange Act of 1934. All research reports are disseminated and available to all clients simultaneously through electronic publication to our internal client website, fsinsight.com. Not all research content is redistributed to our clients or made available to third-party aggregators or the media. Please contact your sales representative if you would like to receive any of our research publications.

The Yellow Thunderlight over the "BLAST" logo is designed by rawpixel.com / cited from Freepik.

Copyright 2020 FS Insight LLC. All rights reserved. No part of this material may be reprinted, sold or redistributed without the prior written consent of FS Insight LLC.