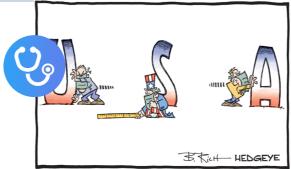
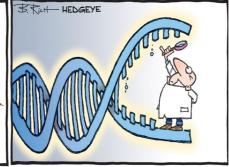
#### **HEDGEYE**

# Hedgeye 3Q21 Health Care Themes

Post Pandemic Winners and Losers

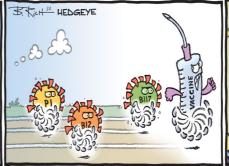
July 15, 2021

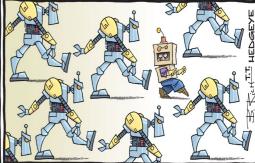


















#### **Hedgeye Health Care**

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#### MICROQUAD RESULTS

While we have up to five (5) years of data on the securities in the MicroQuads model, not all securities in the model have five years of trading history, and while we make every effort to assure the accuracy of the data, we cannot guarantee its accuracy. The methodology used to arrive at the results displayed herein is proprietary to Hedgeye and involves aggregating the actual historical results for each security while it "resides" in the appropriate MicroQuad over the defined periods of time. These results do not include any consideration for trading costs, commissions, or other factors that could impact results, we make no representations or warranties that past results will or can be repeated, and the data have not been verified by a third-party.

#### PERFORMANCE MONITOR FORWARD/PROSPECTIVE PRICE CHANGES

The data for each security are based on historic price performance and average forward returns and are not a guarantee of future performance. We make every effort to assure the accuracy of the calculations and forecasts; however, we cannot guarantee their accuracy or that performance will be repeated.

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#### Health Care Position Monitor



#### For Week of July 12, 2021

Best Idea LONG	s - Longs	Price	Mkt Cap (\$B)	Trend	Tail	Best Idea	s - Shorts	Price	Mkt Cap (\$B)	Trend	Tail
Active Lo	ngs					Active Sh	orts				
ATIP	ATI Physical Therapy, Inc. Class A	\$ 8.38	\$1.7B	$\sqrt{}$	$\sqrt{}$	EXAS	Exact Sciences Corporation	\$ 112.85	\$19.4B	×	×
NTRA	Natera, Inc.	\$ 114.84	\$10.1B	$\checkmark$		ARKG	ARK Genomic Revolution ETF	\$ 84.37	\$8.8B	×	×
BFLY	Butterfly Network, Inc. Class A	\$ 11.08	\$1.8B	$\checkmark$							
AMN	AMN Healthcare Services, Inc.	\$ 97.26	\$4.6B	$\sqrt{}$							
GH	Guardant Health, Inc.	\$ 115.16	\$11.6B	$\checkmark$							
DRIO	DarioHealth Corp.	\$ 17.90	\$0.3B	$\sqrt{}$							
EYE	National Vision Holdings, Inc.	\$ 50.48	\$4.1B	$\sqrt{}$							
ONEM	1Life Healthcare, Inc.	\$ 27.97	\$3.9B	$\sqrt{}$							
NEO	NeoGenomics, Inc.	\$ 44.10	\$5.4B	$\sqrt{}$							
Long Bias		 				Short Bia	s	 			
TXG	10x Genomics Inc Class A	\$ 171.93	\$15.0B			AMWL	American Well Corporation Class A	\$ 10.99	\$2.3B		
NVTA	Invitae Corp.	\$ 29.02	\$5.8B			TDOC	Teladoc Health, Inc.	\$ 151.23	\$23.4B		
GDRX	GoodRx Holdings, Inc. Class A	\$ 30.33	\$14.8B			ME	23andMe Holding Co Class A	\$ 10.42	\$1.0B		

#### Note

Best Idea Longs/Shorts are high conviction ideas that we've either presented a Black Book for already or have one in the works (similar to other Hedgeye teams). Bias Ideas are ones in which we've done the bulk of the work, but there may be another question we need to answer to move it over the line. All active positions are higher conviction than bias ideas. We rank active versus active and bias versus bias.

#### Disclaimer

Hedgeye's "bias" represents Hedgeye's outlook on companies currently under Hedgeye's review, or for which timing is not right for greater coverage. Hedgeye may or may not provide further commentary on any or all companies represented on the bench and representation of a company on the bench does not forecast whether Hedgeye will or will not issue any additional material on that company.

# Key Themes for 3Q21

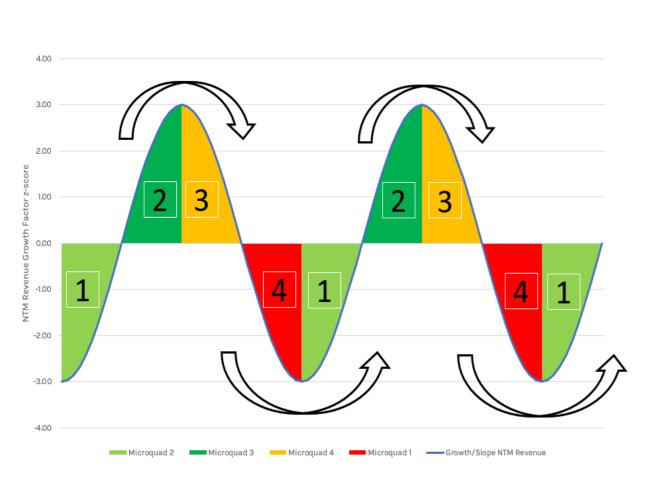


- [1]
- Advanced Primary Care (OSH, ONEM, CANO) | We've continued to push into the New Health Care Economy theme, consumer-centric, inperson and virtual hybrids, data driven, risk pricing, among other attributes. It's early days but it looks like to us that legacy fee for service models will be coming under continued pressure and Advanced Primary Care is an early mover, with the necessary data and analytics to take risk, new entrants are creating a head start in a number of areas within health care. Lately, we have been coming up the curve on our ability to analyze and track key players in the market.
- 2
- **Digital Health 1.0 (TDOC, AMWL, DOCS)** Just as quickly as telemedicine became a household term, new and fast growth is now on the back side of the adoption curve. The environment seems lousy with apps who want to manage your weight, write a script, deliver talk therapy. The 2020 version of digital and virtual health big TAMs and fast growth. The 2021 version is competitive and well capitalized where simply having an app and hosting a virtual visit is no longer good enough. What was new is now old and as telemedicine is absorbed into the US Medical Economy, the core players and their models need to be sorted out. We currently have TDOC and AMWL on our short bench.
- 3
- Wage inflation (AMN) | Prices within health care have been elevated following initial lockdowns and remain so. With the end of unemployment benefits approaching, will we begin to see employment rise and wages decline to pre-COVID levels? We're expecting patient demand to remain high into 2022 which makes it unlikely that we'll see much relief from wage pressure. This isn't just a positive for AMN, but also a headwind across the US Medical Economy, including some of our longs.
- 4
- Cancer Testing Rebound, Liquid Biopsy (NTRA, GH, NEO, NVTA, EXAS) | We continue to hear anecdotes about increasing volume of cancer testing. There is ample evidence that COVID delayed screenings and as vaccination rates rise and patients return to in-person care, we're now seeing a catch up in cancer diagnosis although at a later stage. More volume of patients at a later stage means more testing for our names. With underlying acceleration, we think the value of liquid biopsy, now in the earliest stages of growth, can add significantly to valuations.
- 5
- Pent-up Demand/Re-Opening (ATIP, EYE, USPH) | The data on reopening has had an uneven 1H21. It started out weak in 1Q21 with lingering COVID and weather impacts, and maybe even federal stimulus checks. Prescription demand has been flat in recent months so we pushed GDRX to the Long Bench, but Physical Therapy and Vison Care look strong and we've got both ATIP and EYE at or near the top of our Best Idea Longs. We'll show you what we've been tracking and why we're seeing some key critical differences. We'll also cover the Delta variant and the current outlook for a return of lock downs and disruption come cooler weather Fall 2021. We'll also look at the revision cycle, Macro Quads as we stare down Quad 4 in the coming months, and the performance of our MicroQuad indicator. Whatever happens, we're long our MicroQuad2 names, or companies with revenue estimates with steep and accelerating slopes, or in other words, up and to the right.

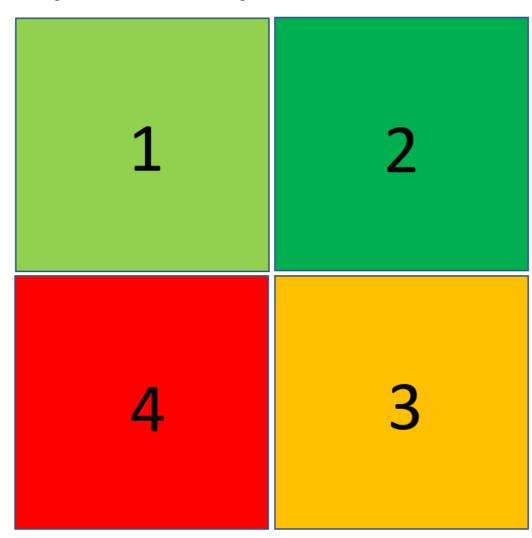
# MicroQuad | Model vs Actual



#### MicroQuad - Generic Growth Curve Progression



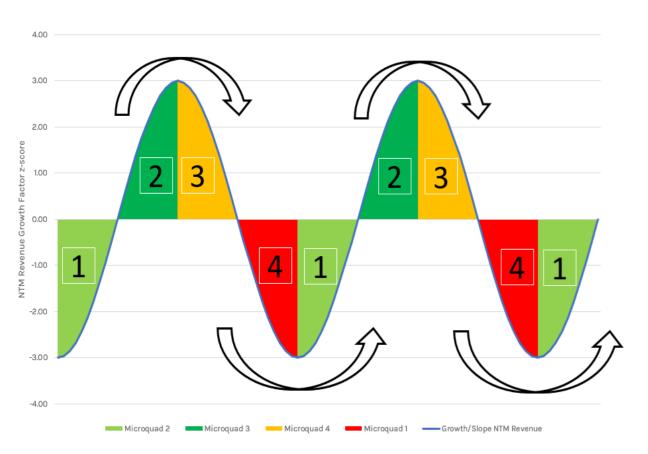
#### MicroQuad - The Four Quadrants



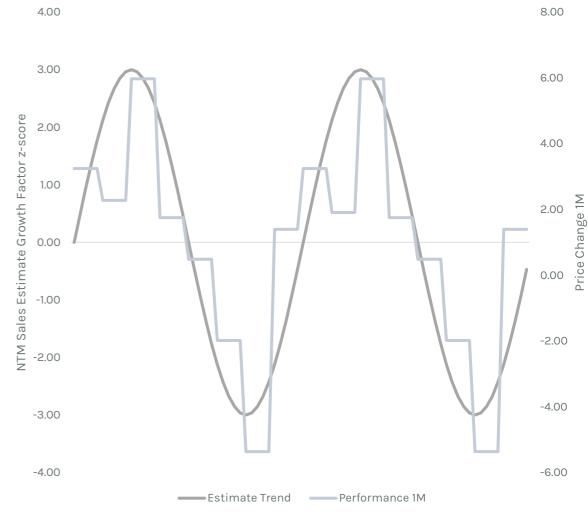
## MicroQuad | Model vs Actual



#### MicroQuad - Generic Growth Curve Progression



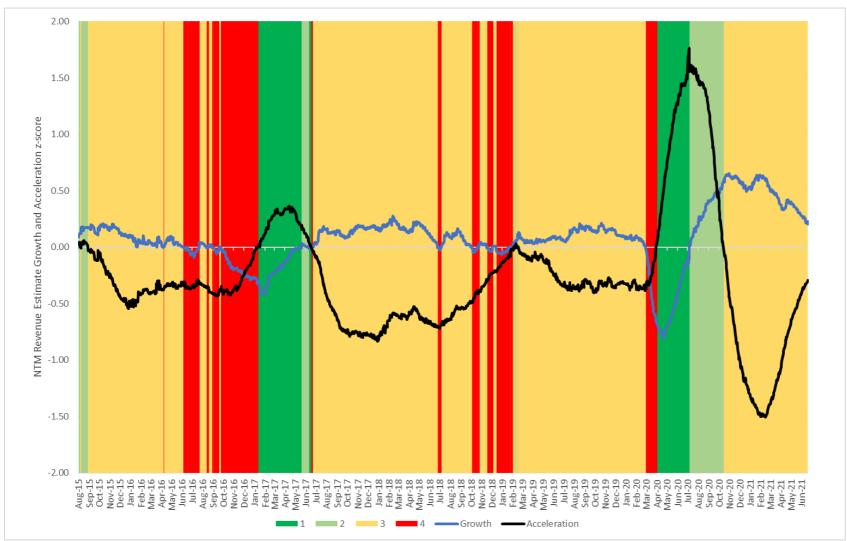
#### MicroQuad - Actual Price Change vs Growth Curve



# Estimate Revision Trend | July 9, 2021

#### **HEDGEYE**

#### Revision trends reaccelerating after several months of decelerating



As of 6/18/2021 estimate trend slope is still negative, but acceleration has turned positive, rate of change positive.

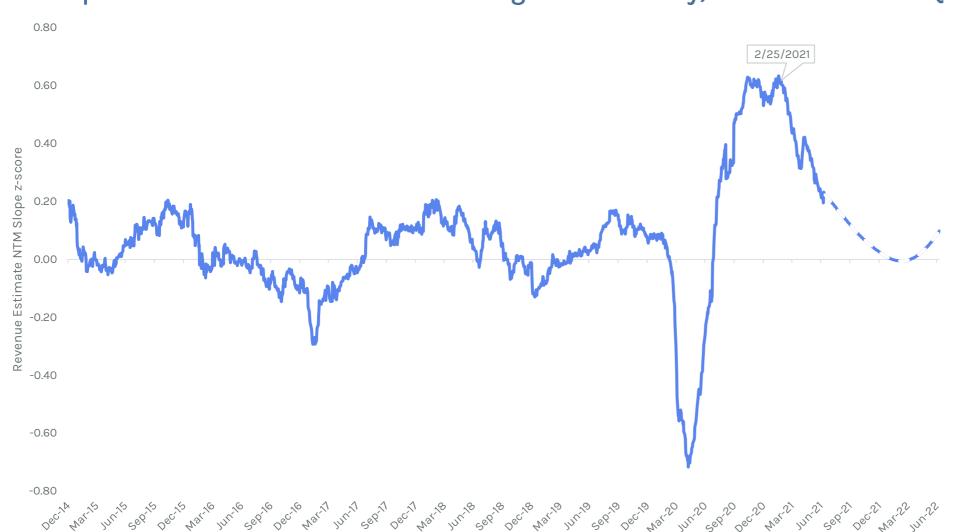
Acceleration turned positive March 3 and the XLV bottomed March 4<sup>th</sup>. At the ETF level, consensus revenue is in MicroQuad4 for XLV, but the average for the group remains in MicroQuad3.

Momentum is building among signs of medical utilization. We are expecting a cycle of positive estimate revisions as we head into 2Q21 earnings season.

# Estimate Trend | Down and to the right



The slope of estimates has been deteriorating since February, will we bottom in 2Q21?



Consensus revenue
estimates began to turn
negative at the end of
February 2021, coincident
with the beginning of a slide
in performance across our
Health Care universe.

While at the high end compared to history, the trend is slowing, what we define as MicroQuad 3.

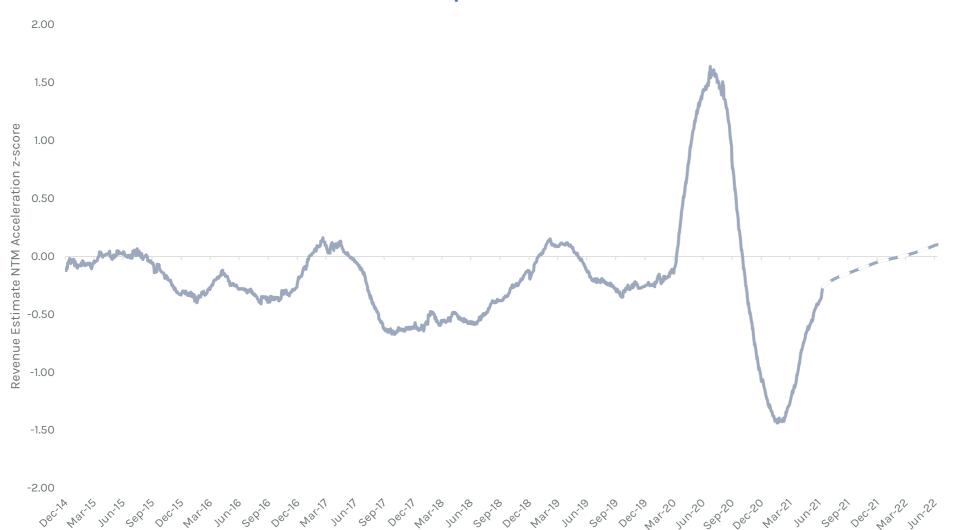
Looking ahead, the rate of change in estimates is improving, but has yet to turn positive.

2Q21 earnings season will define the next leg, a blend of reported numbers and guidance mixed in with fear about variants, wage inflation, reopening...

# Estimate Trend | Accelerating



The acceleration of estimates has been positive since the end of March 2021, but still weak



Consensus revenue estimates began to turn negative at the end of February 2021, coincident with the beginning of a slide in performance across our Health Care universe.

While at the high end compared to history, the trend is slowing, what we define as MicroQuad 3.

Looking ahead, the rate of change in estimates is improving, but has yet to turn positive.

2Q21 earnings season will define the next leg, a blend of reported numbers and guidance mixed in with fear about variants, wage inflation, reopening...

# MicroQuad Price Change Report | July 9, 2021



#### **Indexed Price Change by MicroQuad**



Average Performance (%)										
MicroQuad	1WK	1M	3M	6M	12M					
1	-1.00	1.35	4.63	4.20	37.12					
2	-0.97	2.96	13.73	22.39	70.40					
3	0.32	3.59	9.97	20.83	48.02					
4	-0.65	0.68	1.47	0.73	-1.81					

	Batting Average											
MicroQuad	1WK	1M	3M	6M	12M							
1	0.502	0.551	0.531	0.519	0.514							
2	0.488	0.541	0.529	0.524	0.522							
3	0.603	0.574	0.546	0.529	0.532							
4	0.500	0.481	0.479	0.498	0.508							

	Slugging Percentage										
MicroQuad	1WK	1M	ЗМ	6M	12M						
1	-0.500	0.746	2.459	2.178	19.090						
2	-0.471	1.601	7.268	11.745	36.776						
3	0.193	2.060	5.443	11.016	25.559						
4	-0.323	0.327	0.705	0.362	-0.918						

### MicroQuad Model Portfolio Back Test Result

#### **HEDGEYE**

#### MicroQuad in practice and integrated with Macro Quads



In this back test we refreshed the MicroQuad calculations weekly and allocated longs and shorts based on the combined readings of the MicroQuad and prevailing Hedgeye Macro Quad

We allocated the tickers in each MicroQuad according to the percentages in the table below.

		Micro Quad										
		1	2	3	4							
Quad	1	-30%	80%	30%	-10%							
	2	-40%	80%	30%	-10%							
Macro	3	-50%	70%	20%	-10%							
Σ	4	-60%	70%	20%	-10%							

The average number of positions over the back test period are listed below.

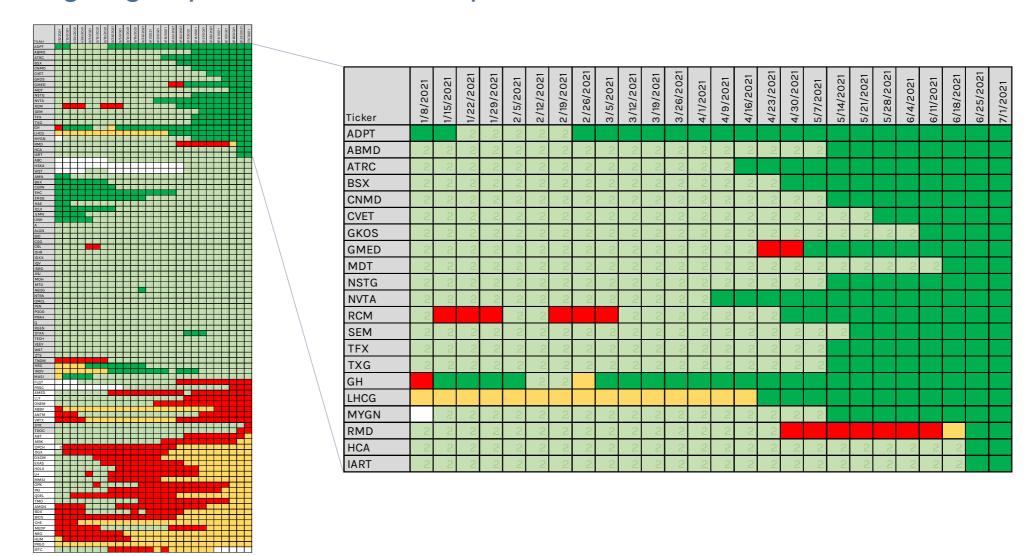
		Micro Quad								
		1	2	3	4					
Quad	1	30	11	18	12					
	2	23	9	30	13					
Macro	3	22	11	26	13					
Mā	4	24	5	27	19					

<sup>\*</sup>please see the disclaimer page at the beginning of this presentation for more information and limitations.

### MicroQuad 2



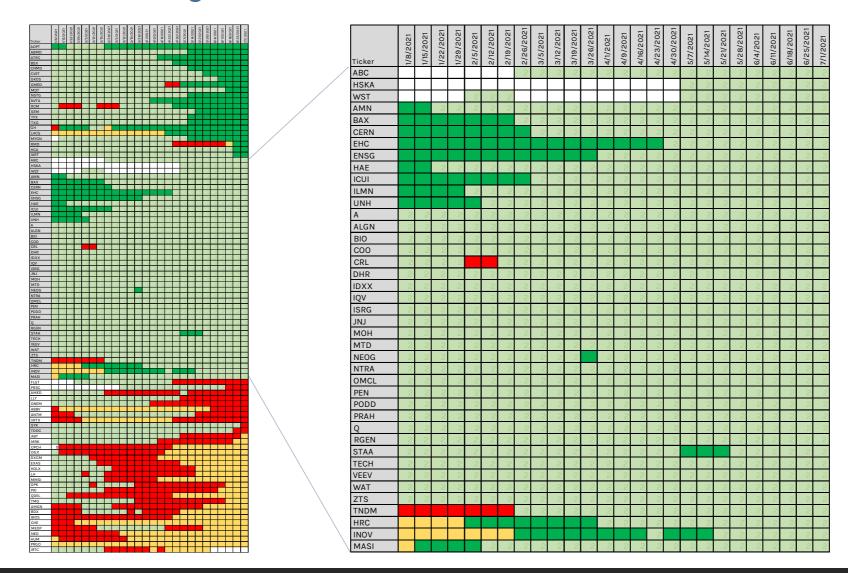
#### Cancer testing, Large Cap Med Tech look like re-open theme



### MicroQuad 3



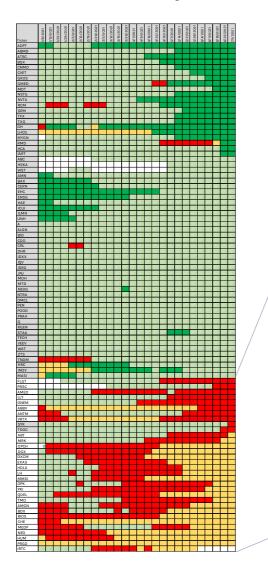
#### These names screen long, but smaller allocation



# MicroQuad 4 and 1



#### The back side of #re-open well represented among this short screen



	1/8/2021	1/15/2021	1/22/2021	1/29/2021	2/5/2021	2/12/2021	2/19/2021	2/26/2021	3/5/2021	3/12/2021	3/19/2021	3/26/2021	4/1/2021	4/9/2021	4/16/2021	4/23/2021	4/30/2021	5/7/2021	5/14/2021	5/21/2021	5/28/2021	6/4/2021	6/11/2021	6/18/2021	6/25/2021	7/1/2021
Ticker	/8/	/15/	/22	/29	/2/	/12	/19	/26	/2/	/12	(19	/26	/1/	/6/	/16,	/23	/30	12/	/14	/21	/28	/4/	/11/	/18	/25	/1/9
FLGT	1,	1,	1,	1	2	2	N 2	S S	<u>ო</u>	0	9	9	4	4	4	4	4	5	Ŋ	5	Ŋ	9	9	9	9	_
PRSC				_	_	_		_		2	2	2	2	2	2	2	2	2	2	2	2	2	2			
AMED	2	2	2	2	2	2	2			_	_	_	_	_	_	_	_	2	_	_		_				_
LLY	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	_								_
ONEM	2	2	2	2	2	2	2	2	2	2	2	2	2		_											
ABBV		_	٦	_	_	٦		_	_	_	_	_	_													_
ANTM				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							_
VRTX						_			_	_	-	-	_			_										
SYK	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
TDOC	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
ABT	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
MRK	2	2	2	2	2	2	2	2	2	2	2	2	2	2												
OPCH		_																								
DGX	2																									
DXCM	2	2	2	2	2																					
EXAS	2	2	2	2	2	2																				
HOLX	2	2	2	2	2	2	2	2																		
LH	2	2	2	2		2	2																			
MMSI	2	2	2	2	2	2	2																			
OPK	2	2	2	2	2		2	2	2	2	2															
PKI	2	2	2	2	2	2	2																			
QDEL	2	2																								
TMO	2	2	2	2	2	2	2	2	2	2	2															
AMGN					2	2	2	2																		
BDX					2	2	2	2	2	2		2														
BIOS																										
CHE																										
MEDP							2	2	2	2	2	2	2	2	2											
NEO																										
HUM																										
PRGO																										
IRTC	2	2	2	2	2	2	2																			

# MicroQuad | Watch List



#### Forward Price Change based on MicroQuad coordinates and Macro Quad 3

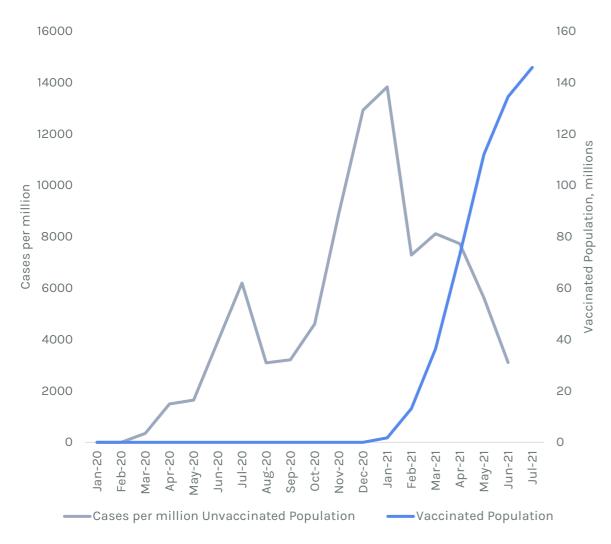
Ticker	MicroQ uad	Number of Estimates Total	Number Revision Positive 30D	Number Revision Negative 30D	MicroQuad Growth	MicroQuad Acceleration	Correl to Estimate	Performance Trailing 1M - Actual %	Performance Trailing 1M - Expected %	Performance Forward 1M - Expected %	Probability Postitive Performance - Current Macro Quad - 3
ADPT	2	8	3	0	3.20	3.40	0.50	7.28	0.55	0.89%	80.00%
UNH	3	19	0	0	1.40	-2.90	0.90	2.04	0.57	2.60%	66.03%
NEO	1	13	0	0	-0.50	2.00	0.90	0.07	0.00	2.48%	64.41%
ZBH	2	25	2	0	0.10	0.90	0.30	1.09	0.60	3.86%	64.41%
JNJ	3	17	0	0	0.30	-0.70	0.80	3.48	0.49	2.54%	62.99%
ISRG	3	16	0	0	0.70	-0.20	0.90	14.18	0.62	2.30%	61.28%
TDOC	4	27	2	0	-0.10	-0.40	0.80	0.03	0.00	1.85%	60.67%
AMWL	1	12	0	2	-0.70	1.70	-0.80	-14.38	0.43	1.41%	60.30%
TXG	2	8	0	0	0.10	0.50	0.90	0.64	0.52	1.70%	60.18%
GDRX	3	13	0	0	0.60	-1.70	-0.60	-15.18	0.47	1.67%	60.10%
EXAS	1	17	2	0	-0.40	0.90	0.80	2.46	0.47	1.38%	59.90%
EYE	2	10	0	0	0.20	0.30	0.30	1.63	0.55	1.52%	59.87%
USPH	2	5	1	0	0.20	0.30	0.90	-6.71	0.55	1.52%	59.87%
ONEM	4	10	0	1	-0.30	-0.30	0.60	-10.95	0.36	1.71%	59.54%
GH	2	13	0	1	0.50	0.30	0.80	5.47	0.73	2.75%	59.20%
NTRA	3	11	5	0	1.00	-3.50	0.90	12.15	0.55	2.16%	59.17%
ILMN	3	17	2	0	1.00	-2.00	0.90	8.99	0.62	1.05%	58.01%
HCA	2	17	1	0	0.00	0.20	0.80	2.01	0.44	1.67%	56.65%
AMN	3	9	4	0	0.60	-3.30	0.90	-0.05	0.41	1.92%	56.26%
ним	1	16	1	1	-0.70	0.90	0.90	7.62	0.31	0.90%	56.20%
NVTA	2	10	0	0	0.60	2.10	0.90	4.24	0.89	2.27%	55.02%

Price Change Forward 1M – Expected % is calculated by averaging the forward Price Change for the consensus estimate MicroQuad coordinates in a Macro Quad 3 and ranked high to low.

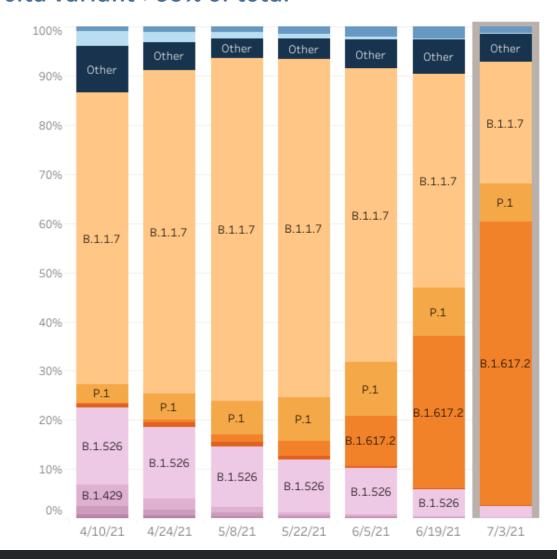
# Delta Variant | Should We Worry?



#### **COVID-19 Cases vs Vaccinations**

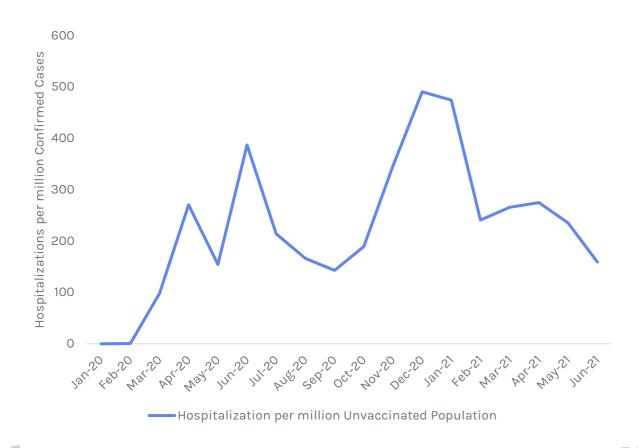


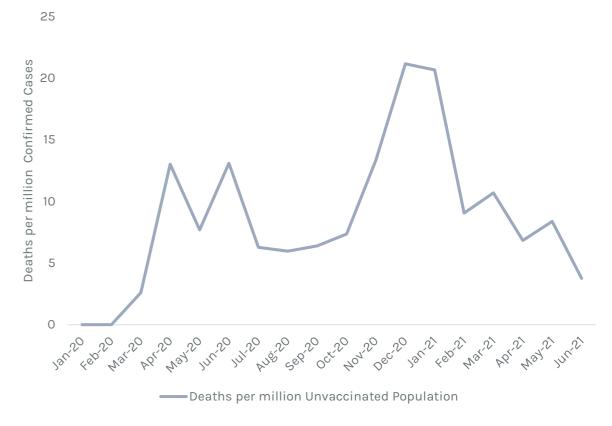
#### Delta variant >60% of total



### Hospitalization and Deaths Continue to Drop







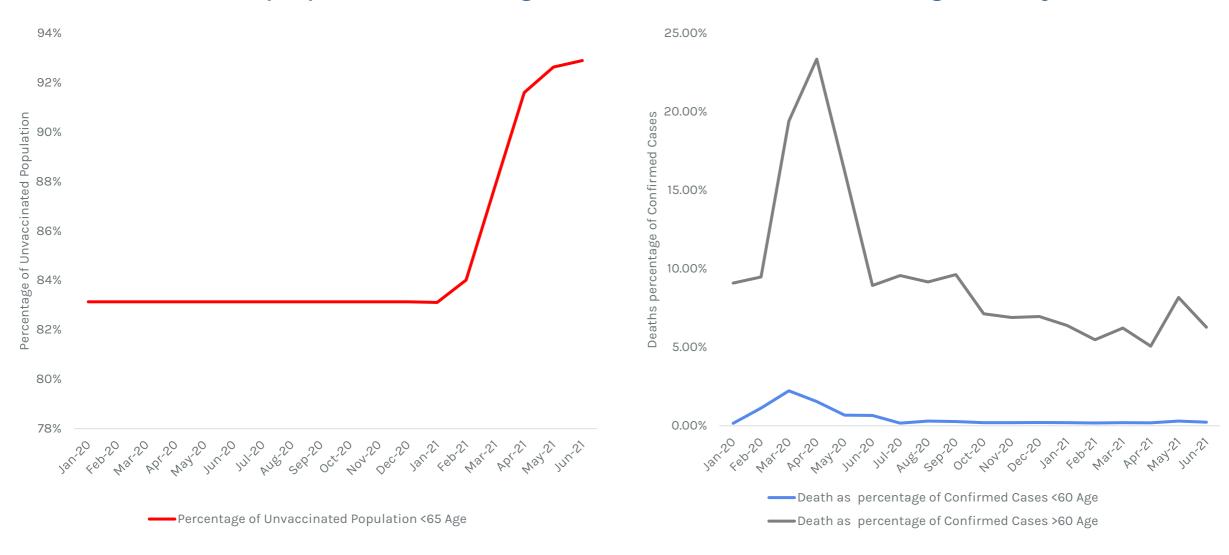
COVID-19 Hospitalizations per million Confirmed Cases.

COVID-19 Death Rate per million of Confirmed Cases have now broken below 2020 lows.

# Vaccination Rates are Likely High Enough



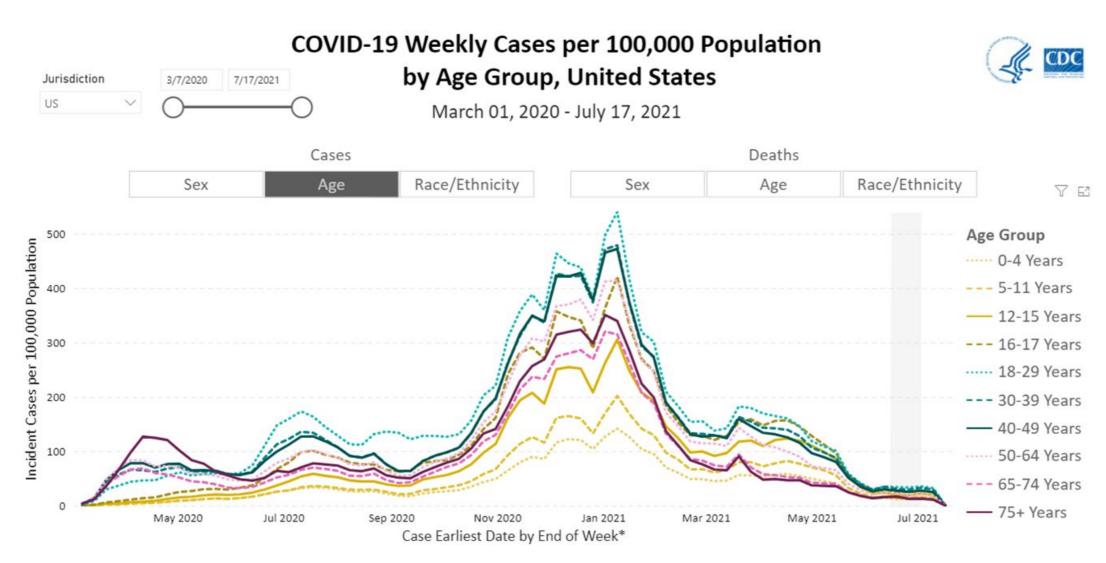
>90% of unvaccinated people are below the age of 65 where the risk of death is significantly lower



## COVID-19 Weekly cases continue to decline



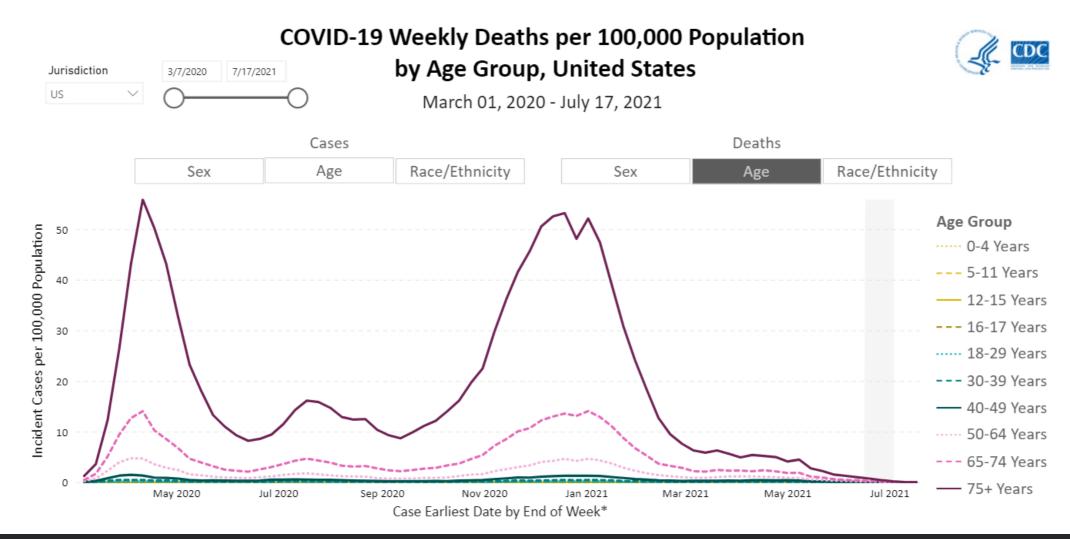
After a month of spread the Delta variant has not resulted in an uptick in cases within any age group.



# Case Volume Falling Closer to 0



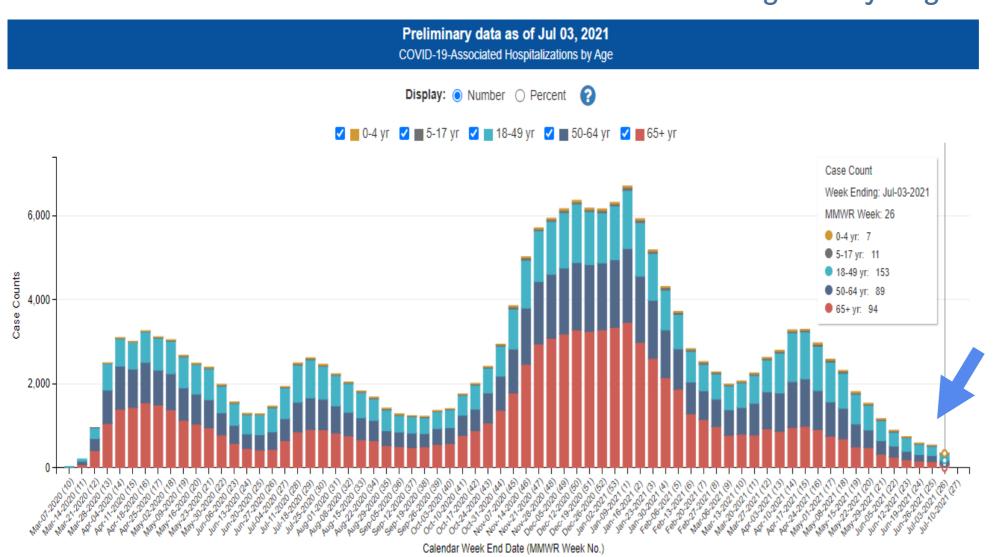
Deaths attributed to COVID-19 continue to trend lower even as #reopen gathers momentum and as the pace of vaccinations has decelerated.



# Hospitalizations Continue to Decline



There is little evidence that Delta variant headlines are translating into anything but clicks.



Its true that the 18–49-yearold population is now the majority of COVID-19 hospitalizations, however the absolute numbers remain low, even as the Delta Variant rises through out June and July 2021.

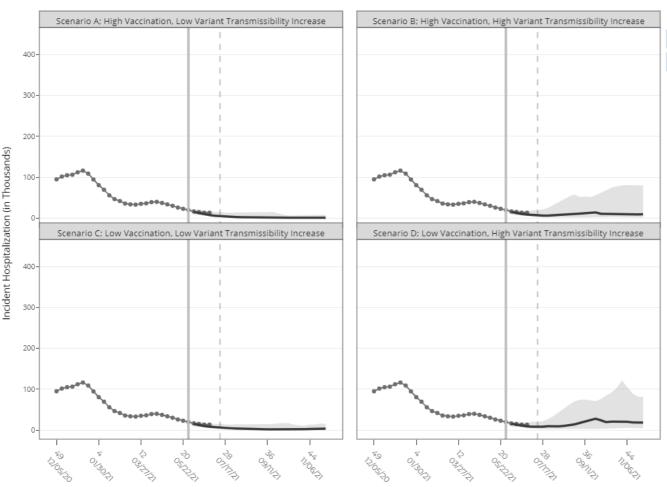
Cold weather is more likely to be a problem of proximity rather than transmissibility.

## Hospitalizations likely remain low into the Fall 2021



Models based on high/low vaccination rates and high/low variant transmissibility forecast COVID-19 hospitalizations will remain low through Fall 2021.

Projected Incident Hospitalization by Epidemiological Week and by Scenario for Round 6 (- Projection Epiweek; -- Current Week)



Scenario defined as of 2021-05-25 Model Projecting from Epiweek 21 to Epiweek 47

- ✓ Scenario A

  High Vaccination
  Low Variant
  Transmissibility
  Increase
  (A-2021-06-08)
- ✓ Scenario C
  Low Vaccination
  Low Variant
  Transmissibility
  Increase
  (C-2021-06-08)

- Scenario B High Vaccination High Variant Transmissibility Increase (B-2021-06-08)
- ✓ Scenario D

  Low Vaccination
  High Variant
  Transmissibility
  Increase
  (D-2021-06-08)

### Volume Incentives: Fee-For-Service?







#### **Fee-for-Service**

- Incentivizes Maximized
   Volume
- Leads to Unnecessary Care
- Sick Patients = Demand
- No Incentive for Outcomes
- Affects Care Delivery Quality and Capabilities

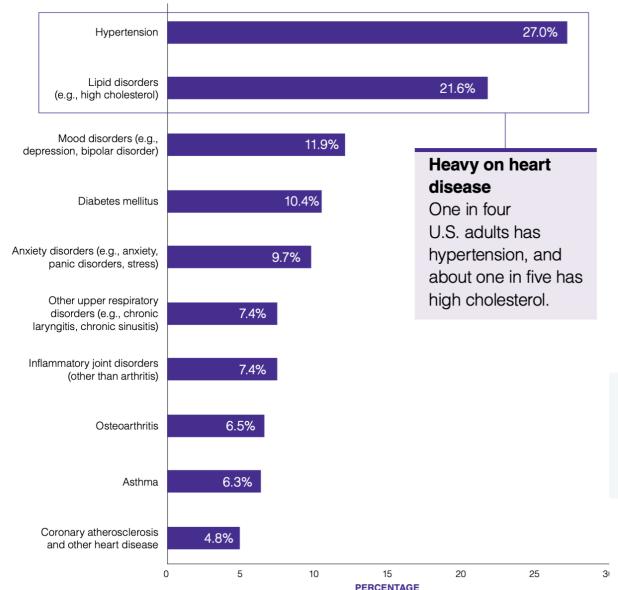


#### **Value-Based Care**

- Incentivizes outcomes and cost control
- Many different forms
- Uses payment to influence organizational behavior
- Likely improves care delivery and quality metrics

### US Chronic Disease Burden





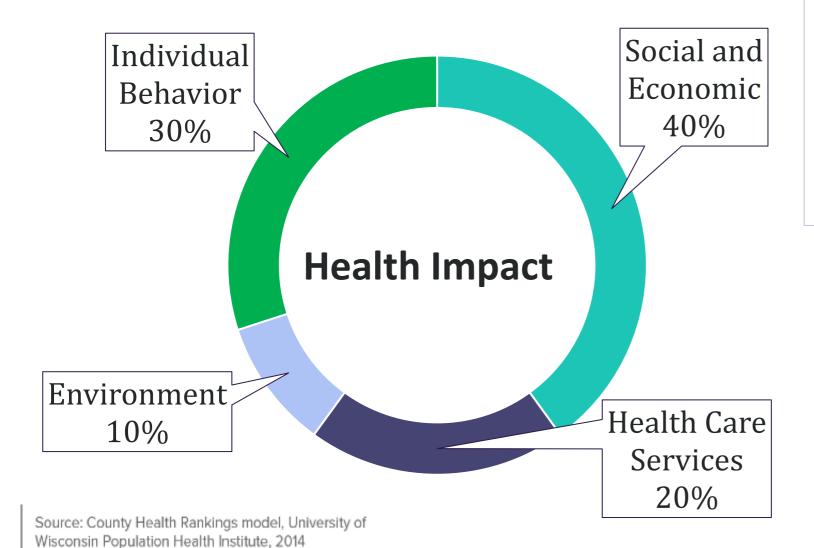
75% of US Healthcare Spending

- Often **preventable**
- If not preventable, then manageable
- Leading causes of costly health services like hospitalization, emergency visits, and surgical procedures

"In reality, the major causes of **chronic diseases** are known, and if these risk factors were eliminated, at least 80% of all heart **disease**, stroke and type 2 diabetes would be **prevented**; over 40% of cancer would be **prevented**."

Source: WHO

### What drives health outcomes?



#### How can we address?





- Public Health
- Social Services
- Health Education





Social Factors



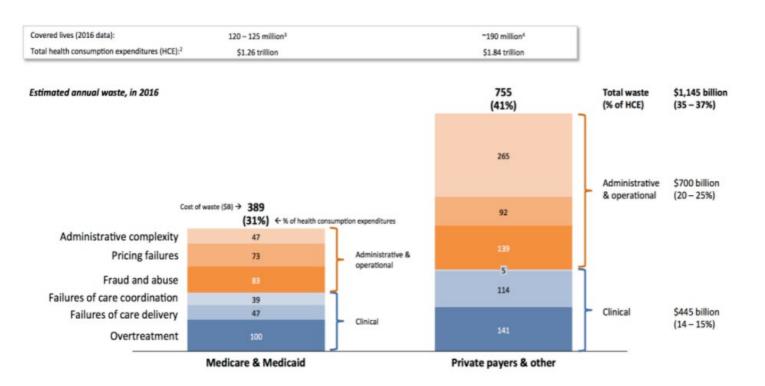
"Reactive to Proactive"

### Targeting Wasteful Spending Attractive But Not New



With affordability under pressure and new payment models available, targeting \$1.0 trillion in wasteful spending again in focus, although there are this-time-is-different differences.

Exhibit 1: Causes Of Waste In The US Health Care System



EX	Œ	B	IT	1

#### Estimates of Waste in US Health Care Spending in 2011, by Category

		Medicare edicald <sup>a</sup>		Total co		
	Low	Midpoint	High	Low	Midpoint	High
Failures of care delivery	\$26	\$36	\$45	\$102	\$128	\$154
Failures of care coordination	21	30	39	25	35	45
Overtreatment	67	77	87	158	192	226
Administrative complexity	16	36	56	107	248	389
Pricing failures	36	56	77	84	131	178
Subtotal (excluding fraud and abuse)	166	235	304	476	734	992
Percentage of total health care spending	6%	9%	11%	18%	27%	37%
Fraud and abuse	30	64	98	82	177	272
Total (including fraud and abuse)	197	300	402	558	910	1,263
Percentage of total health care spending				21%	34%	47%

SOURCE Donald M. Berwick and Andrew D. Hackbarth, "Eliminating Waste in US Health Care," JAMA 307, no. 14 (April 11, 2012):1513–6. Copyright © 2012 American Medical Association. All rights reserved.

NOTES Dollars in billions. Totals may not match the sum of components due to rounding. "Includes state portion of Medicaid." Total US health care spending estimated at \$2.687 trillion.

# Saving money by doing simple things

The list of interventions include "recommending" medications. In a recent study physicians report having "too little time" to treat patients effectively.

Table 2.	Effect	of	Quality	Improvement	Strategie	s on	BP	Outcomes	

П					
	Type of Quality Improvement	Source	Median Reduction in Systolic BP (IQR), <sup>a</sup> mm Hg	Source	Median Reduction in Diastolic BP (IQR), a mm Hg
	Free medications	18, 39, 50	-10.80 (-14.9 to -9.10)	18, 39, 50	-6.4 (-8.70 to -3.90)
	Pharmacist recommended medication to physician	8, 20-24, 26, 27, 29, 30, 35, 37, 43, 46, 48	-9.30 (-13.00 to -5.00) <sup>b</sup>	8, 20-24, 26, 27, 29, 30, 35, 37, 43, 46, 48	-3.60 (-7.03 to -1.00)
	Education about BP medications	8, 17-23, 26-30, 32, 34, 35, 37, 39-44, 46-50	-8.75 (-11.90 to -4.25)c	8, 17, 18, 20-23, 26-30, 32, 34, 35, 37, 39-44, 46-50	-3.60 (-7.03 to -1.00) <sup>c</sup>
	Pharmacist performed the intervention	8, 19-22, 24-30, 34-37, 41, 43, 46, 48, 50, 51	-8.44 (-12.25 to -4.00)	8, 19-22, 24-30, 34-37, 41, 43, 46, 48, 50, 51	-3.30 (-6.87 to -0.90)
	Drug profile and/or medication history completed	8, 17, 20, 21, 23, 25-27, 29, 30, 32, 35, 40, 42-44, 46, 48	-8.19 (-11.45 to -2.93)	8, 17, 20, 21, 23, 25-27, 29, 30, 32, 35, 40, 42-44, 46, 48	-3.25 (-4.67 to -1.00)
	Medication compliance assessed	8,17, 20, 21, 23, 25-30, 34-37, 39-44, 46, 47, 50	-7.90 (-11.90 to -3.48)	8, 17, 20, 21, 23, 25-30, 34-37, 39-44, 46, 47, 50	-3.25 (-8.65 to -0.85)
	Counseling about lifestyle modification	8, 16, 17, 19-23, 26-32, 34, 35, 37, 38, 40-42, 45-50	-7.59 (-11.45 to -2.40)	8, 16, 17, 20-23, 26-32, 34, 35, 37, 38, 40-42, 45-50	-3.30 (-6.70 to -1.00)
	Intervention provider could order laboratory tests	16, 22, 25, 31, 33, 44, 48-50	-7.00 (-8.94 to -1.30)	16, 22, 25, 31, 33, 44, 48-50	-3.68 (-5.40 to -0.15)
	Nurse performed intervention	16-19, 31-33, 38-42, 44, 45, 47, 49	-4.80 (-9.63 to -0.43)b	16-18, 31-33, 38-42, 44, 45, 47, 49	-3.10 (-6.00 to -0.10)
	Treatment algorithm used	16, 23, 25, 32, 33, 35, 37, 44, 49	-4.00 (-8.15 to -0.90) <sup>b</sup>	16, 23, 25, 32, 33, 35, 37, 44, 49	-1.00 (-4.20 to -0.15) <sup>b</sup>
	Made a home visit	17, 18, 38, 41, 44	-4.00 (-9.95 to 0.15)	17, 18, 38, 41, 44	-1.00 (-4.95 to 0.60)
	Intervention provider could prescribe medication	16, 25, 28, 32	-2.40 (-11.28 to 4.75)	16, 25, 28, 32	-0.65 (-11.35 to -0.08)
	Physical examination conducted	16, 25	2.10 (-2.80 to 7.00) <sup>a,b</sup>	16, 25	-0.15 (-0.30 to 0.00) <sup>a,b</sup>

Table 2 shows the result in a blood pressure study, that used simple interventions such as "pharmacists recommendation.". Unfortunately, fee-for-service shows physicians don't have enough time with patients to do these simple effective things.

How did each of the following factors contribute to you choosing to operate a DPC practice?

Response	Not at all	A little/some	A lot
Too much FFS paperwork to complete	4%	17%	78%
Potential to earn more under DPC	55%	34%	10%
Too large of a FFS panel size	16%	33%	49%
Too little time for FFS visits	4%	11%	85%
Contracting complexities with insurance companies	9%	21%	70%
Potential to provide better primary care under a DPC model	1%	3%	96%
DPC entrepreneurial spirit	9%	38%	52%
Total Respondents		100%	

Abbreviations: BP, blood pressure; IQR, interquartile range.

Data Source: SOA, Hedgeye © Hedgeye Risk Management LLC.

<sup>&</sup>lt;sup>a</sup>When the sample size is 2 studies, the numbers in parentheses show the actual results of each study rather than the interpolated interquartile range.

b P < .10 for Mann-Whitney analysis of reduction in systolic and diastolic BP comparing studies with the quality improvement strategy with those without.</p>

<sup>°</sup>P< .05 for Mann-Whitney analysis of reduction in systolic and diastolic BP comparing studies with the quality improvement strategy with those without.

# Direct Primary Care Generates Significant Savings



This study shows savings are available from obvious sources such as ER visits, but also less obvious such as preventative services, regardless freeing money for non-medical services.





Health Care Cost Trends

Direct Primary Care: Evaluating a New Model of Delivery and Financing

Figure 8

DPC OPTION VS. TRADITIONAL OPTION: RELATIVE CLAIM COST DIFFERENCES

bearing 1		
justed f tual	Risk-Adjusted Actual	Risk-Adjusted Actual 90% Confidence Interval
90%*	-12.64%*	-6.41% to -18.87%
	tual 90%*	tual Actual

IPC OPTION VS. TRADITIONAL OPTION RELATIVE CLAIM COST DIFFEREN

	DPC vs. Traditional Health care Cost Differences		
Type of Service	% of Allowed Costs	Unadjusted DPC vs. Traditional	Risk-Adjusted DPC vs. Traditional
Inpatient Total	9.1%	-12.78%	-8.19%
Outpatient: Emergency Department	10.9%	-49.81%***	-52.50%***
Outpatient: Surgery	15.6% 6.4%	-11.37% -28.05%	-5.36% -23.18%*
Outpatient: Other			
Physician: Inpatient (non-Maternity)	1.4%	-29.50%	-24.33%
Physician: Maternity	0.5%	+0.62%	+8.00%
Physician: Emergency Department	1.1%	-32.23%	-35.86%
Physician: Outpatient Surgery	6.4%	-12.55%	-6.13%
Physician: Preventive Services	5.3%	-39.92%***	-35.51%***
Physician: Primary Care Visits† Physician: Specialist Office Visits†	2.3%	-20.65%	-14.83%
Physician: Urgent Care Visits	0.5%	-24.41%	-18.86%
Physician: Other	8.0%	-5.72%	+1.20%
Other: Ambulance	0.4%	-33.16%	-23.57%
Other: DME/Medical Supplies	1.6%	-11.64%	+1.05%
Other: Home Health	0.0%	-81.7%	-79.07%
Prescription Drugs	28.1%	-14.95%	+1.02%
Total	100.0%	-19.90%**	-12.64%**

<sup>†</sup> The administrative medical claim data were not well populated with CMS provider specialty codes, so we were unable to consistently distinguish between primary care and specialist physician office visits. The results provided here are for all physician office visits (primary care and specialist combined).

"Many DPC physicians state that traditional primary care visits, which average just 13 to 16 minutes, provide physicians with inadequate time to comprehensively diagnose and provide care to their patients, and this lack of time leads to higher-thannecessary diagnostic referrals."

We hypothesize that the difference in annual physical exams may be due to the increased and no-cost access to primary care provided to the DPC cohort

<sup>\*</sup> The p-value < .05 (statistically significant result with 95% confidence).

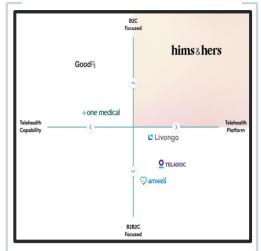
<sup>\*\*</sup> The p-value < .01 (statistically significant result with 99% confidence)

<sup>\*\*\*</sup> The p-value < .001 (statistically significant result with 99.9% confidence)

# Digital Health 1.0 | Company Matrix

"In 2021, simply having an app that hosts a virtual visit is no longer enough."





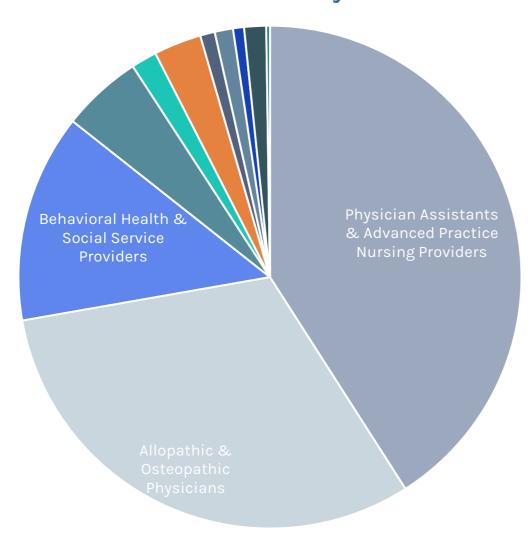
When Hims & Hers Health Inc. was preparing to De-SPAC in 4Q20, they shared the scatter plot above showing their positioning relative to their competitors based on customer focus and platform capability.

Given our involvement in the cutting edge of digital health, we chose to create our own matrix based on In-Personto-Telehealth Mix and Ability or Inability to Take Risk.

## OSH | Mix of Providers



#### Behavioral Health and Social Services + Physician Assistants = 54% of total providers



Physician Assistants and Nursing staff make up the majority of licensed staff. As we saw in earlier in studies on advanced primary care models, access can limit costs by diverting to lower cost professionals or eliminating altogether.

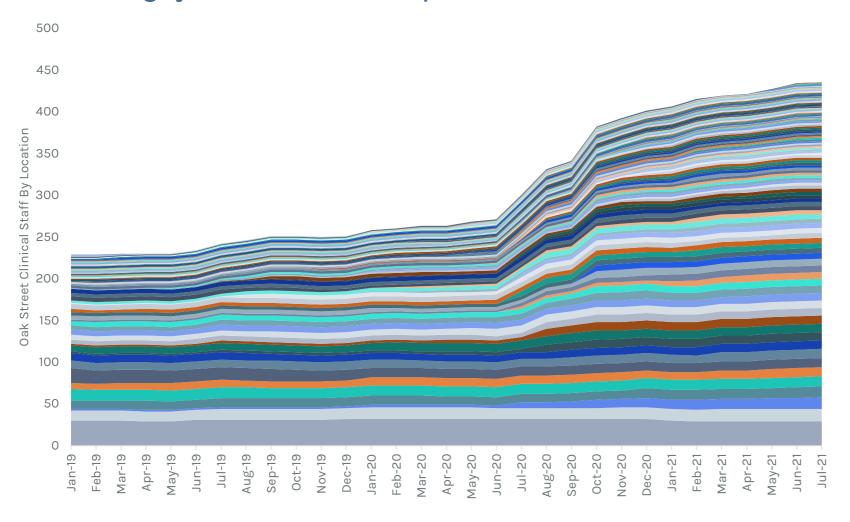
As we have seen from other data sets and in anecdotes from providers, the social and non-medical interventions are the key to lowering aggregate costs and improving care.

According to our contacts, the mix of non-licensed clinical support staff is similar to other advanced primary care models.

# OSH | Expanding sites of care

#### **HEDGEYE**

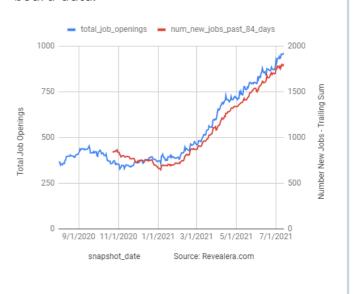
#### 2020 was a huge year for Oak Street expansion



Tracking sites of care and the staffing advanced primary care companies are using will become an important piece for analyzing these models.

Are they taking share? What are labor rates among their specialties? What are the demographics of patients in the service area?

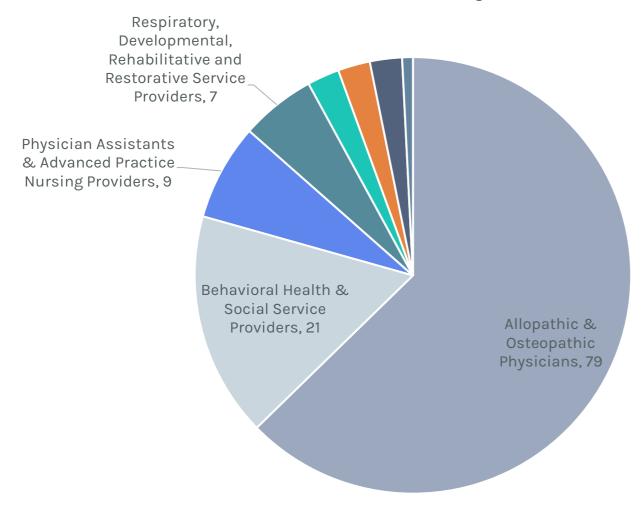
Here we're showing OSH total staff by individual location. Below is their job board data.



# Iora | Mix of Providers



#### Behavioral Health and Social Services + Physician Assistants = 54% of total providers



Physician Assistants and Nursing staff make up the majority of licensed staff. As we saw in earlier in studies on advanced primary care models, access can limit costs by diverting to lower cost professionals or eliminating altogether.

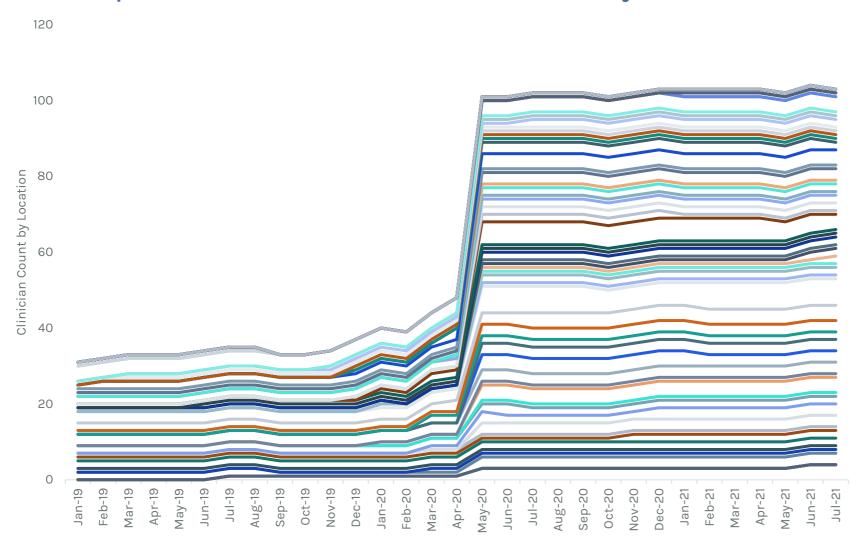
As we have seen from other data sets and in anecdotes from providers, the social and non-medical interventions are the key to lowering aggregate costs and improving care.

According to our contacts, the mix of non-licensed clinical support staff is similar to other advanced primary care models.

### Iora | Mid 2020



#### After a capital raise and the end of Humana exclusivity, lora location count rapidly expanded



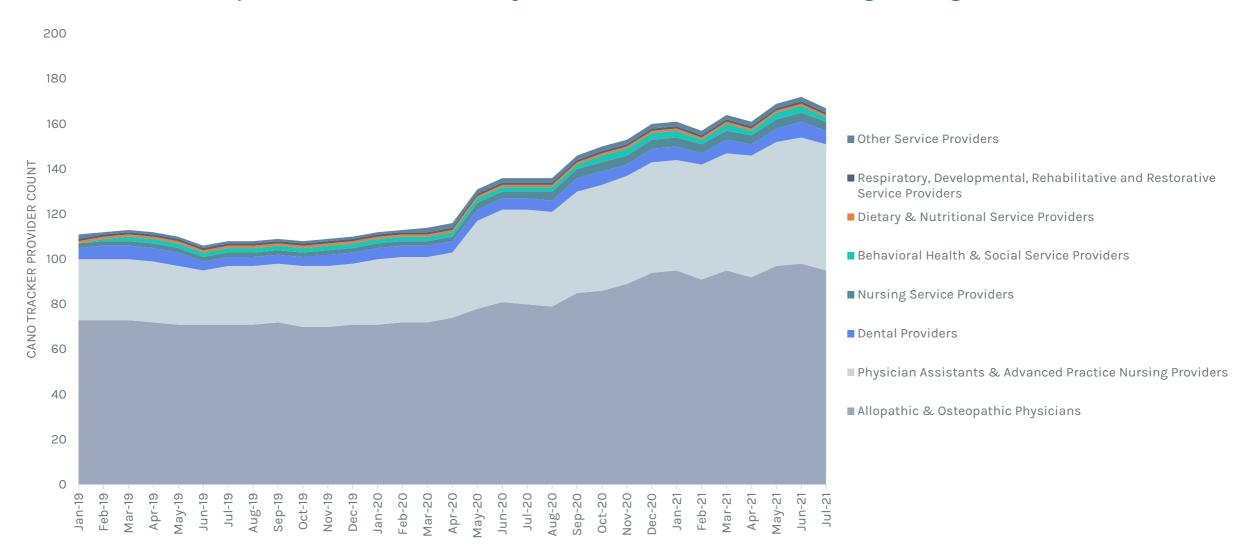
There may be issues with the data we have not uncovered yet that cause the sharp increase in 2020. The timing coincides with a round of capita and the end of an exclusive relationship with Humana.

In 2021, the acquisition by One Medical

# Cano Health | Mid 2020 Expanding Provider



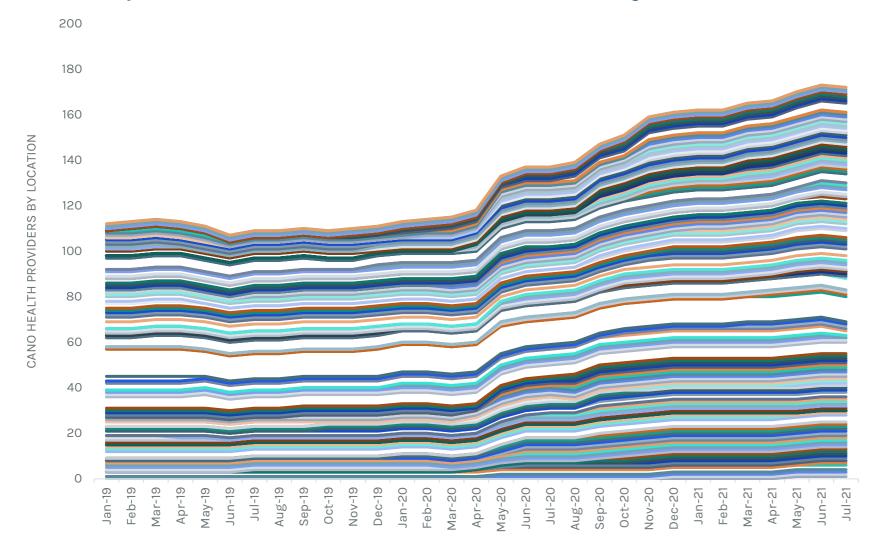
Cano Health has expanded less dramatically than others, also worth noting the higher MD mix.



### Cano Health | Mid 2020



#### After a capital raise and the end of Humana exclusivity, lora location count rapidly expanded



Tracking sites of care and the staffing advanced primary care companies are using will become an important piece for analyzing these models.

Are they taking share? What are labor rates among their specialties? What are the demographics of patients in the service area?

Here we're showing OSH total staff by individual location. Below is their job board data.

### Field Notes | 2 Oak Street Medical Directors (+ Check)



"It's a question of scale and risk, and having well-defined protocols makes it work," and "Simple, low-acuity things to keep people healthy yield wins in an at-risk model."

#### Highlights

Our contacts explained that high ER utilization, hospital stays, and readmissions are the primary drivers of cost in the US Medical Economy, and with advanced/integrated care models, care teams including doctors, RNs/NPs, scribes, social workers, and many others (paramedics and community health professionals) can address the issue(s).

- There are "so many conflicting incentives in the US health system, which is why Oak Street, Cano, and One Medical/lora, among others, have an opportunity" it could be a decade before the rest of health care comes this way (true value-based, at-risk care)
- Data and the ability to leverage data will drive success the data, processes and buy- in from providers create a barrier to entry, and as Oak Street, Iora, Cano, et al. gain scale, moats increase
- Properly assessing a 65+ year-old patient allows a provider to make the model work and avoid risk "CMS pays a lot for sick Medicare/Medicare Advantage members"

So, what are the main costs of care where new models can achieve savings (legacy vs. APC) – the bin of savings that helps provider afford the "extra" spending?

- On average, an ER visit can cost \$1,600 and a hospitalization \$16k in this population (65+).
- The RAF risk-adjustment factor tells CMS how much PMPM, and cataloging RAF scores brings more money to cover costs, put services in place, etc. for whatever is needed to keep the patient out of the hospital. Money comes from the very sick and shifts around, there's no exact answer.
- Providers must be skilled at uncovering hidden sources of cost and addressing diagnoses gaps. Learning how to document skin changes (purpura) can draw more money from CMS. Certain quality scores have more weight – e.g., HBA1C in diabetes 3x weight.
- Hospitalization and diabetes are at the top of the list, COPD and lung issues are 2<sup>nd</sup> (too many people still smoke), cardiac and vascular issues are 3<sup>rd</sup>, end of life and cancers are 4 and 5.

- In primary care, I think it's ludicrous to stay FFS from a financial standpoint.
- Typically, for every dollar, managed Medicare spends 75-85 cents on patient care.

  So, apples-to-apples comparisons are hard. There's no brick-and-mortar (it's rent/leases) and it's not like health systems that run primary care as a loss leader to pull care into other service lines.
- Providers that can't scale are likely in inefficient environments like an academic setting a couple of local health systems (IL) tried to build advanced primary care practices w/ in the past two years but both failed).
- 85% of a panel might be high-risk in an average FFS practice it might be 30%. A clinic might reach maturity or full capacity at 5-6 years.

Post-COVID syndrome/long haulers are an issue, and there are still patients that haven't been seen live in 15 months (3% - 5%). Even specialists (neurologists and rheumatologists) don't know what to do with these patients – "they just need to be kept out of the ER."

 Catching up post-COVID, but colonoscopies (gold standard) are still lagging, and while FIT tests helped (Cologuard too expensive), there's concern about missed diagnoses and lack of proper screening (diabetic retinopathy, mammograms, etc.).

#### How important are digital infrastructure and team collaboration?

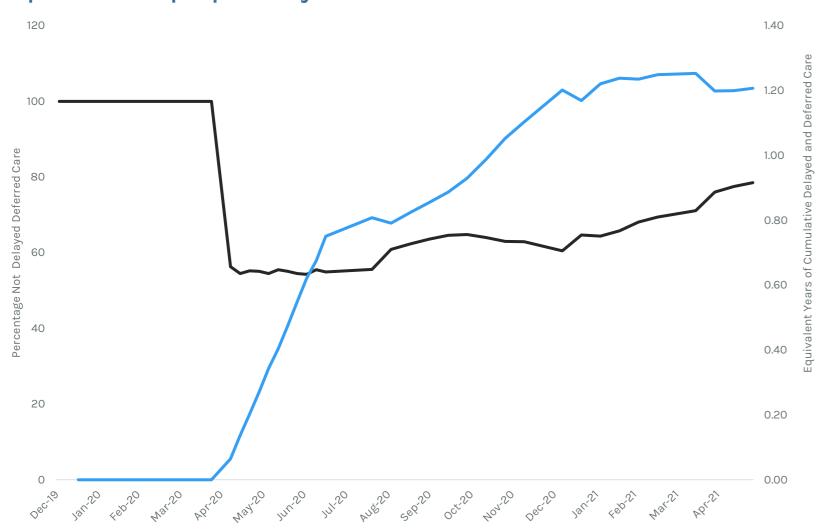
- Very Greenway (EMR) isn't great, but Canopy is and fills in the gaps. There is a real risk of burnout due to EMRs. Team collaboration is the key to success "communication is everything."
- The biggest problem can be providers (full buy-in, communication, etc.), and it can cost up to \$1MM to replace a provider (training, patients, etc.).

ChenMed, VillageMD, Iora, CareMore, and Landmark Health are all on our contacts' radar. ChenMed is doing well, but VillageMD pays providers like FFS models – it's "not as attractive."

# Reduced Access to Care - Household Pulse Survey



#### At peak 40% of people delayed and deferred medical care because of COVID-19



#### Survey Questions:

At any time in the **last 4 weeks**, did you DELAY getting medical care because of the coronavirus pandemic?

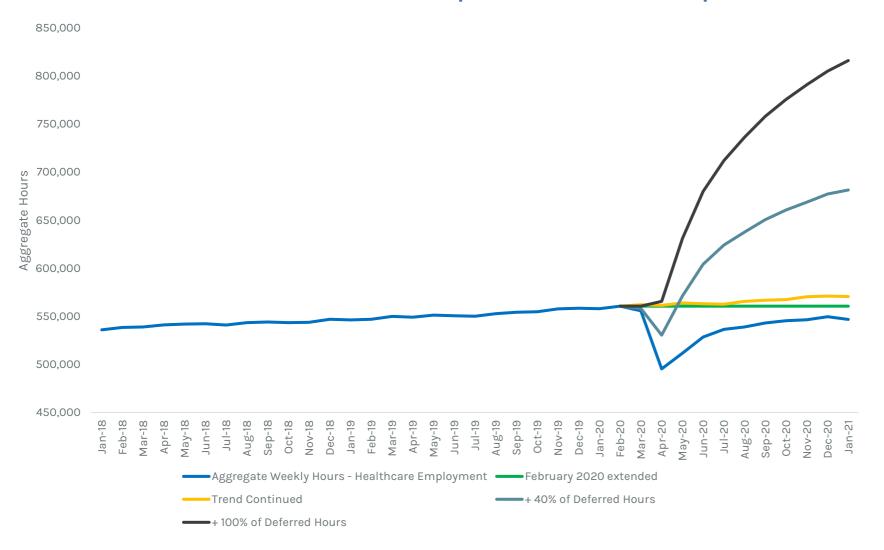
At any time in the **last 4 weeks**, did you need medical care for something other than coronavirus, but DID NOT GET IT because of the coronavirus pandemic?

The sum of all the delayed care since the beginning of the pandemic is equivalent to an additional 1.2 years of care. AND the backlog continues to build! There remains 20% of the population who is delaying or not getting care because of COVID fears.

#### **HEDGEYE**

# Healthcare Aggregate Weekly Hours

#### Even a small drawdown of the deferral pool is a trend+ multiplier



We summed the differences between the extended pre-pandemic trend and actual Aggregate Hours Worked. The deficit as of the latest reading is 13.9M hours below trend. The cumulative deficit is 269M hours or 50% above the current Aggregate Weekly Hours for Health Care Employees.

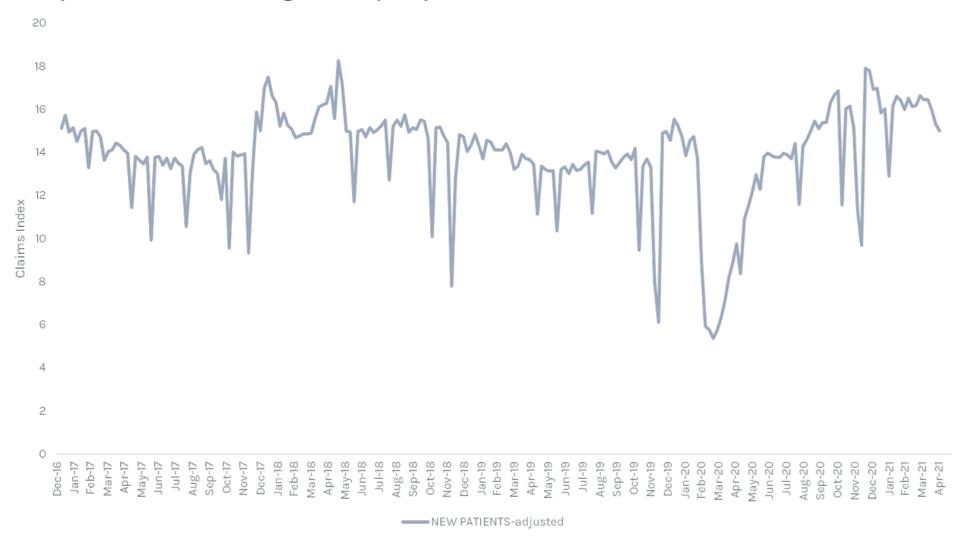
For comparison purposes we added both 100% and 40% of the cumulative deferred hours to the actual result. We chose 40% based on survey readings from the CDC and our own work.

This chart suggests that while the delivery system may be 'back to trend' and capacity constrained, we see +4% to a full return to trend, +3% for utilization, and a multiplier from deferred care that could drive medical consumption well into the double digits as the US Medical Economy re-opens.

### Claims Index: New Patient Claims

#### **HEDGEYE**

### New patients are running above pre-pandemic levels

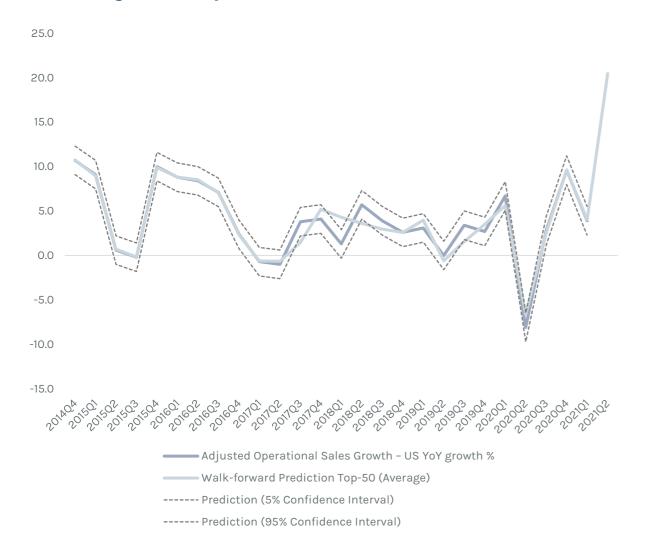


New patient volume has surpassed pre-pandemic levels. This may be due in part to shifting sites of care like telemedicine, but still appears robust.

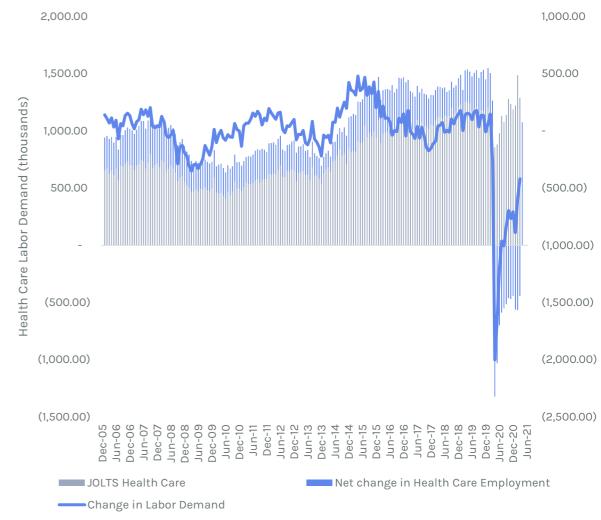
# Sector Strong in 2Q21, but Earnings Will Determine 2H21



### JNJ | Adjusted Operational Sales Growth



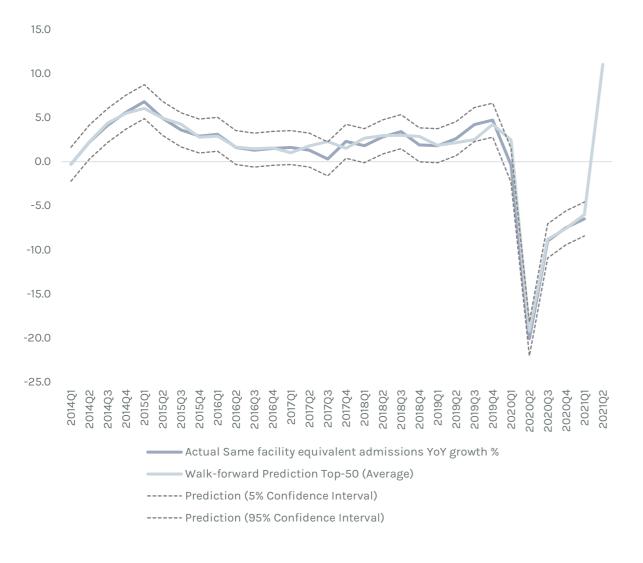
### US Medical Economy - Labor Demand (+)



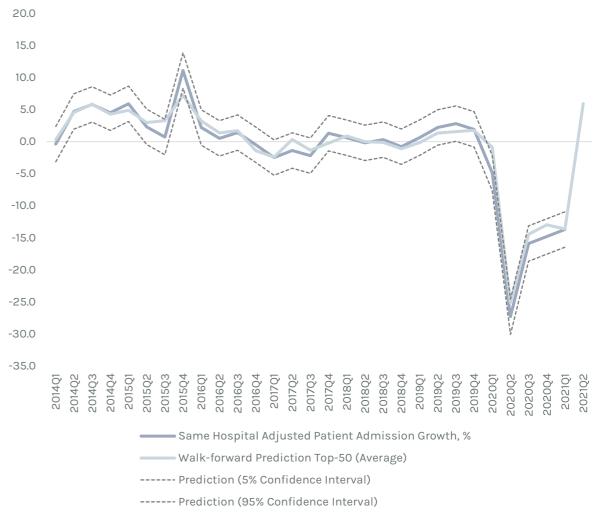
# Hospital Volume to Improve in 2H21...



### **HCA Same Facility Equivalent Admissions**



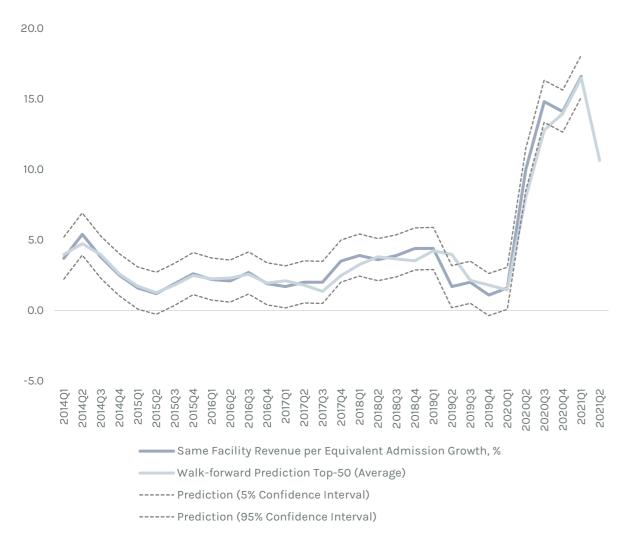
#### THC Same Hospital Adjusted Patient Admissions



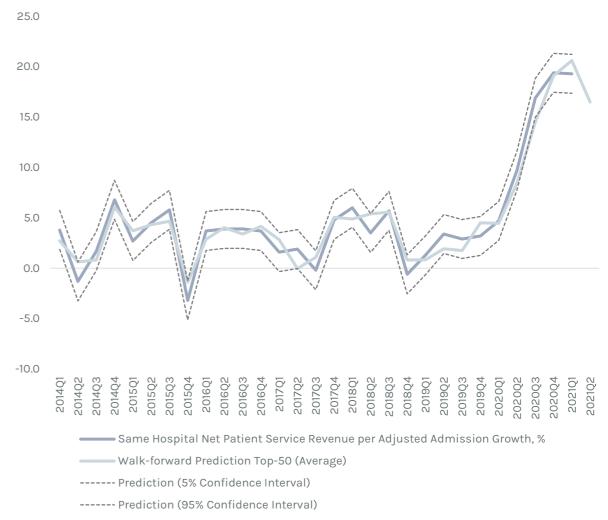
### But Loss of COVID Reimbursement Means Rev Per will Decline



### **HCA Same Facility Revenue/Equivalent Admission**



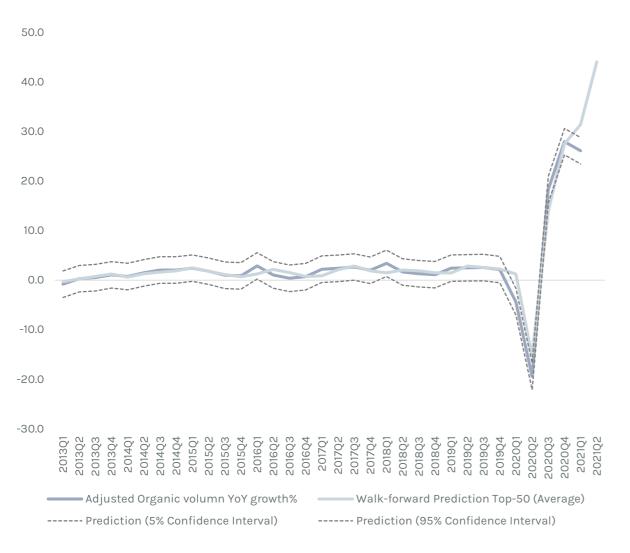
#### **THC Same Hospital Net Patient Service Revenue**

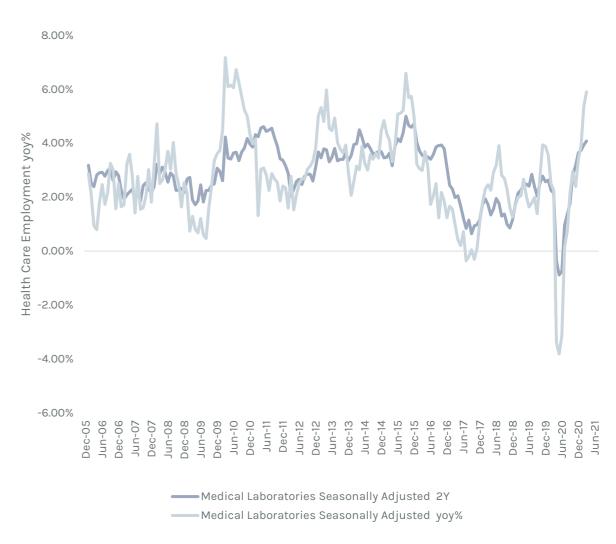


# Labs Continue Strong Trend Despite Rev Per Losses



### LH + DGX | Organic Volume Growth





# ATIP | ATI Physical Therapy

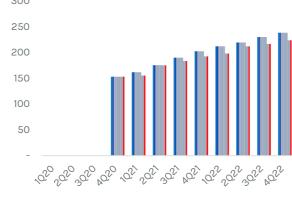


The factor exposure has been a headwind, but ATIP remains a top pick given the leverage to #reopen, value based contracting exposure, and the long-term opportunity for PT consolidation.

- □ Founded in 1996 as a single operating clinic in Illinois. In 2000, the brand evolved into the Athletic Therapeutic Institute and began their expansion.
  - In 2016, they were acquired by Advent International,
- ATI Physical Therapy provides physical therapy treatments for spine, shoulder, knee, neck, and various other injuries or pains.
  - The company also provides services for work injury rehabilitation, as well as for sports rehabilitation and home rehabilitation, among others varying by location.
- Headquartered in Bolingbrook,
  Illinois, ATI operates 875 stores across
  25 states in the country and holds over
  200 sports medicine contracts with
  various professional sport teams,
  higher education universities, and
  lower education schools.
- ☐ For more information, their website can be found here: <a href="https://www.atipt.com/">https://www.atipt.com/</a>

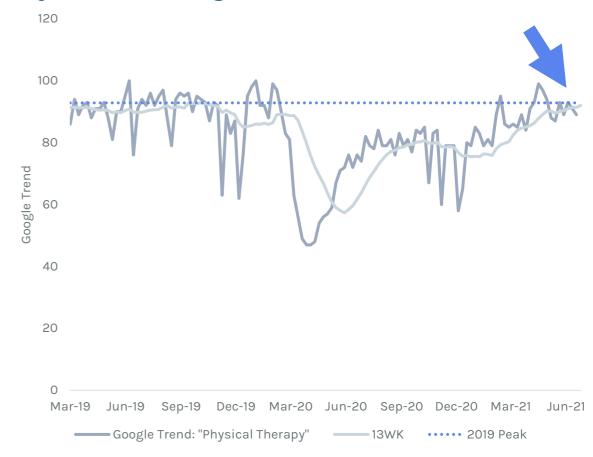
### Multiples & Revisions





■-54D ■Current

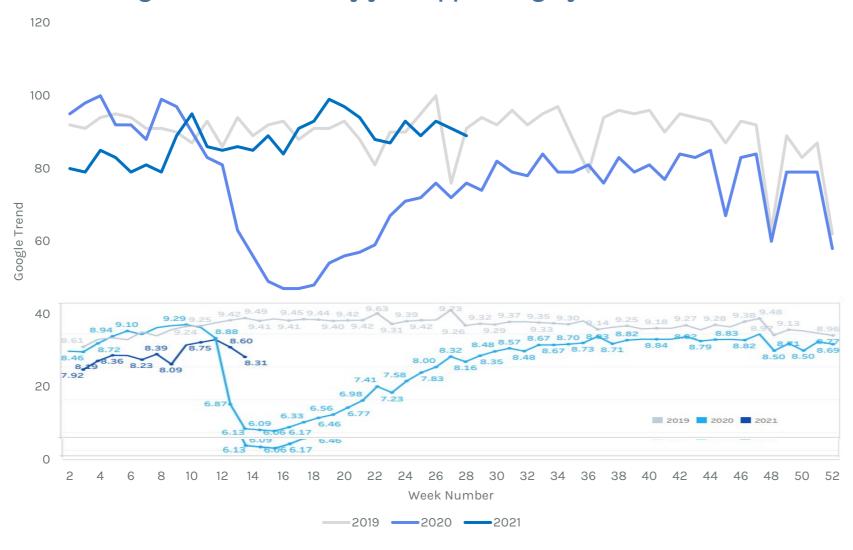
#### **Key Call- Out: Google Trend Data**



# Google Trend | "Physical Therapy"

#### **HEDGEYE**

#### Stacked Google Trend results by year appear highly correlated to WebPT



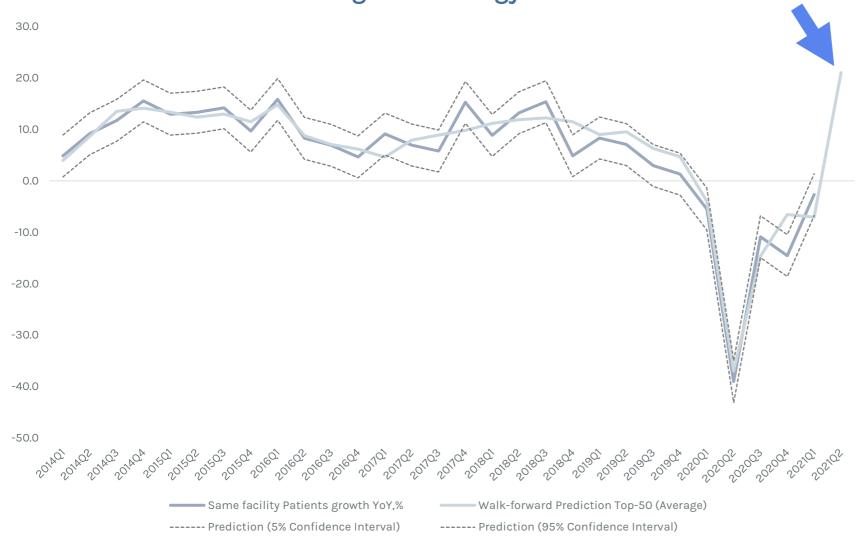
Google Trend results line up well with both the WebPT data and reported metrics from ATI and USPH.

- Much of the early vaccinations in 1Q21 went to older and less mobile patients.
- Weather and stimulus were a drag through February.
- CDC survey data suggests patients were increasingly willing to seek in person care during the last two weeks of March compared with any time since the pandemic began.

# USPH | Patient Growth Algo Forecast



Data science machine learning methodology for near term trend forecasting



We like the physical therapy subgroup for a re- open theme. A recovery in in-person care should help, but also the recovery of surgical procedures such as orthopedic total joints, etc. These procedures make up a significant percentage of physical therapy cases overall.

Given the high correlation of the WebPT and Google Trend data, we will be refreshing this study with the additional data.

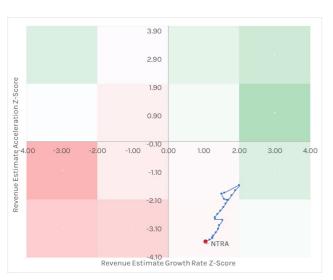
It's likely premature to expect year over year growth in 1Q21, but directionally, we think the forecast is correct.

## NTRA | Natera



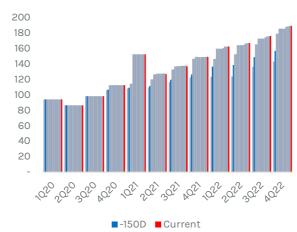
Natera has two big drivers, NIPT for average risk pregnancies and Signatera roll out. These are competitive spaces and Natera seems to be holding its own.

- □ Founded by Matthew Rabinowitz and Jonathan Sheena in November 2003 as Gene Security Network, Natera is a diagnostics company with proprietary molecular and bioinformatics technology and runs a CLIA-certified laboratory.
- ☐ Headquartered in San Carlos, California, Natera employees more than 975 personnel and is ranked first among it's top 10 competitors.

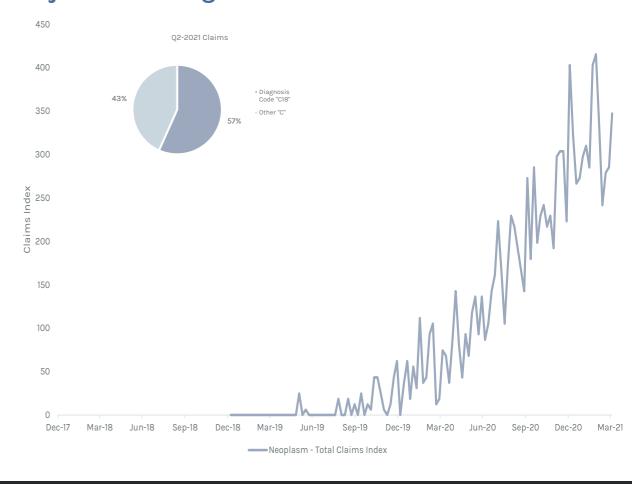


### **Multiples & Revisions**



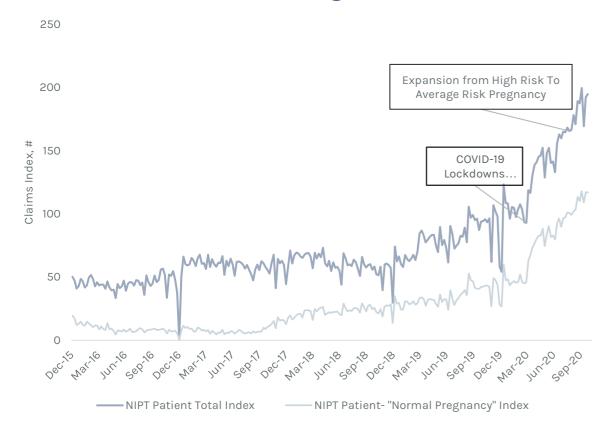


#### Key Call- Out: Signatera Volume

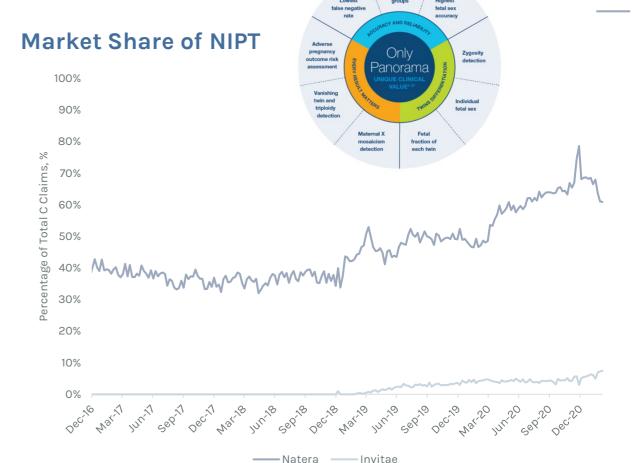


## NIPT Claims Index | Panorama

CPT Code: 81420, 81422; Diagnosis Code: Z34



COVID-19 boosted growth, and NIPT test has sustained the new trajectory. Natera's Panorama could be #covidcomp(-) if physician and patient testing reverts to amniocentesis or ultrasound methodologies, but this seems unlikely. We will monitor these new indices for signs of weakness, though.



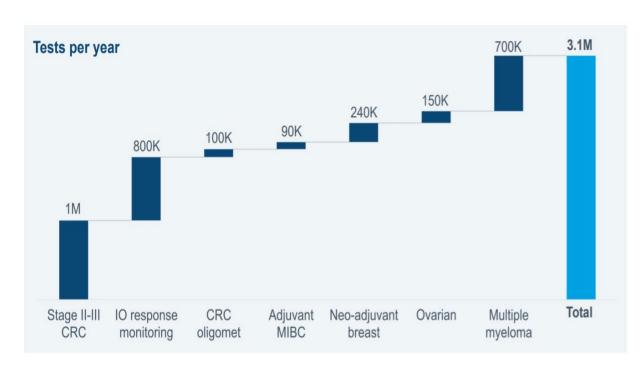
cross all age

We have heard concerns of the potential for NVTA to underprice NTRA and take share in NIPT. From our data, we can reasonably confirm NTRA's stated share of NIPT. Given that NVTA holds approximately 5% of the share, we don't foresee their involvement as a threat in the near-term.

# MRD Penetration and Signatera Pricing



### 15.5B Total Addressable Market = 3.1M people per year \* \$5k per test



1 Millio	n Tests*					
			Price of	Signatera Test		
8		\$2,000	\$2,250	\$2,500	\$2,750	\$3,000
io	0.10%	\$2,000,000	\$2,250,000	\$2,500,000	\$2,750,000	\$3,000,000
rat	0.20%	\$4,000,000	\$4,500,000	\$5,000,000	\$5,500,000	\$6,000,000
net	0.30%	\$6,000,000	\$6,750,000	\$7,500,000	\$8,250,000	\$9,000,000
MRD Penetration (%)	0.40%	\$8,000,000	\$9,000,000	\$10,000,000	\$11,000,000	\$12,000,000
Σ	0.50%	\$10,000,000	\$11,250,000	\$12,500,000	\$13,750,000	\$15,000,000
			Price of S	Signatera Test		
8		\$2,000	\$2,250	\$2,500	\$2,750	\$3,000
ion	1.00%	\$20,000,000	\$22,500,000	\$25,000,000	\$27,500,000	\$30,000,000
rat	1.25%	\$25,000,000	\$28,125,000	\$31,250,000	\$34,375,000	\$37,500,000
enet	1.50%	\$30,000,000	\$33,750,000	\$37,500,000	\$41,250,000	\$45,000,000
MRD Penetration (%)	1.75%	\$35,000,000	\$39,375,000	\$43,750,000	\$48,125,000	\$52,500,000
Σ	2.00%	\$40,000,000	\$45,000,000	\$50,000,000	\$55,000,000	\$60,000,000

\*\*The sensitivity tables above use the following formula to forecast potential annual revenue for the Signatera test given a percentage of penetration of the Minimal Residual Disease (MRD) market.

Having previously estimated the TAM to be 1M tests per year for colorectal cancer (stages II & III), management expanded the TAM to 3.1M on their most recent earnings call. At this point, consensus does not assume meaningful penetration, for which upside could be massive.

From our checks, we can estimate that the cost of the test on the front end is \$2500, followed by \$250-300 for each incremental run. Therefore, \$2,300 should be the average cost including the follow- up in the first year. Based on these numbers, we can reach the Street's \$5 - \$10 million figure with less than 1% penetration of the MRD market.

<sup>\*\*\*</sup>Formula: (1 Million Tests \* % Penetration of MRD) \* Price of Test = Annual Revenue Opportunity

# BFLY | Butterfly Network

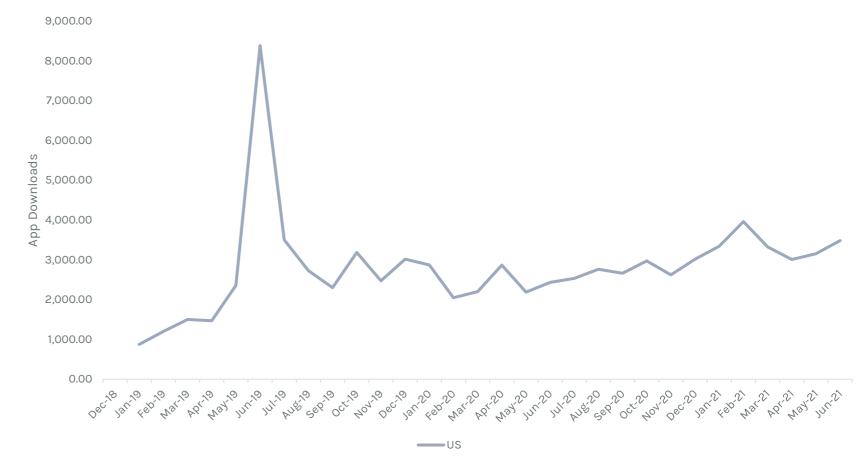


The opportunity for handheld ultrasound is in growing the user base of physicians. By expanding an already extremely productive salesforce, we think they get there sooner than later.

- □ Founded in 2011 by Dr. Jonathan M. Rothberg, Butterfly Network is a digital health company that develops, manufactures, and commercializes handheld ultrasound imaging solutions.
  - IQ+ is a single probe, whole body ultrasound solution which is revolutionizing the ultrasound imaging space with a potential to replace the ageold cart-based imaging devices.
- Headquartered in Guilford, CT, Butterfly Network employs over 260 full-time employees.



### **Key Call- Out: Butterfly App Downloads**



# Handheld Ultrasound Options

### Crystal based ultrasound vs Butterfly is higher cost and less flexible

	Name	Probes	Wireless	Display	Storage	Cost
	Clarius	Linear, curvilinear, microconvex, & endocavitary	Yes	Personal iOS or Android smart device	Cloud-based; DICOM capable	\$4,900-\$6,900; no subscription
C 101 B	SonoQue	Linear & curvilinear; also dual-head probes	Yes	Personal iOS smart device	On smart device	\$999-\$4,400; no subscription
Aparts () Aparts Aparts Aparts	Philips Lumify	Linear, curvilinear, & phased array	No	Personal Android smart device; iOS device with adapter	On device; DICOM capable	\$6,000; no subscription
	EchoNous Kosmos	Phased array	No	Proprietary tablet or select Samsung devices	On device; DICOM capable	\$5,000-\$8,500; no subscription
Yave	Vave	Phased array	Yes	Personal iOS or Android smart device	On device or cloud; DICOM capable	\$99/month (billed annually)
	GE Vscan	Sector, dual-head linear/sector, dual-head linear/ curvilinear	No (Vscan Extend) Yes (Vscan Air)	Extend: Proprietary tablet Air: Personal iOS or Android smart device	On device or cloud; DICOM capable	\$2,995-\$4,995; no subscription
×	Butterfly iQ+	CMUT probe	No	Personal iOS or Android smart device	Cloud-based; DICOM capable	\$1,999 with \$420 annual subscription; \$2,999 with lifetime subscription
	SonoSite iViz	Linear, curvilinear, & phased array	No	Proprietary tablet	DICOM & cloud capable	>\$10,000; no subscription

There are several competitors already in the handheld ultrasound market. We've spent considerable time speaking with physicians about the benefits and drawbacks of Butterfly IQ+ compared to other offerings.

We consistently heard Butterfly benefits from lower cost, flexibility of use, small size, and software updates that are expected to drive continuous improvement.

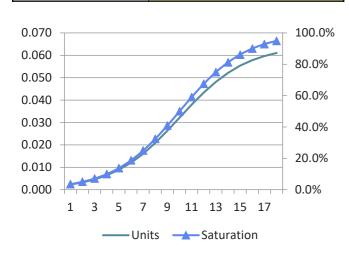
The Butterfly iQ image quality is "good enough" for most studies according these clinicians who specialties range from imaging, cardiology, pulmonology, orthopedics, and others.

# Salesforce Model and Assumptions



### Given physician feedback, we expect penetration is limited primarily by the sales effort

Key Assumptions	
base month	1.0
saturation	100%
start of fast growth	4.0
take over time - months	12.0
peak quarterly units (000)	0.39
unit price	\$1.999



Month	Unit Price	Units	Total Sales Per Rep		Saturation	Peak Monthly Sales Per Rep	Qtr Sales (Model)	Α	nnualized Sales Per Rep	quential Delta
1	1.999	0.002	\$	0.005	0.036	0.129		\$	0.055	
2	1.999	0.003	\$	0.007	0.051	0.129		\$	0.078	
3	1.999	0.005	\$	0.009	0.072	0.129	\$ 0.020	\$	0.110	
4	1.999	0.006	\$	0.013	0.100	0.129		\$	0.154	
5	1.999	0.009	\$	0.018	0.138	0.129		\$	0.213	
6	1.999	0.012	\$	0.024	0.188	0.129	\$ 0.055	\$	0.290	\$ 0.034
7	1.999	0.016	\$	0.032	0.250	0.129		\$	0.386	
8	1.999	0.021	\$	0.042	0.325	0.129		\$	0.501	
9	1.999	0.026	\$	0.053	0.409	0.129	\$ 0.126	\$	0.632	\$ 0.072
10	1.999	0.032	\$	0.064	0.500	0.129		\$	0.771	
11	1.999	0.038	\$	0.076	0.591	0.129		\$	0.911	
12	1.999	0.043	\$	0.087	0.675	0.129	\$ 0.227	\$	1.042	\$ 0.100
13	1.999	0.048	\$	0.096	0.750	0.129		\$	1.157	
14	1.999	0.052	\$	0.104	0.812	0.129		\$	1.253	
15	1.999	0.055	\$	0.111	0.862	0.129	\$ 0.312	\$	1.329	\$ 0.085
16	1.999	0.058	\$	0.116	0.900	0.129		\$	1.388	
17	1.999	0.060	\$	0.119	0.928	0.129		\$	1.432	
18	1.999	0.061	\$	0.122	0.949	0.129	\$ 0.357	\$	1.464	\$ 0.045

A significant portion of sales have been inbound physician orders alongside those generated by 12 reps. This model will improve as we train it with subsequent quarters and as BFLY adds more reps. We're assuming there will continue to be a significant self-directed level of sales as reps drive awareness, training, and penetration. Our current expectation for peak units per rep per quarter is taken from the most recent quarter.

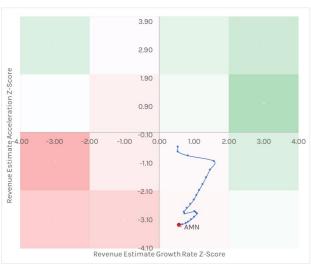
# AMN | AMN Healthcare Services



The pandemic is over and demand for ICU nurses has waned, but staffing shortages are likely to persist with recoveries in in-person care, surgeries, and Healthcare JOLTS Openings near all time highs.

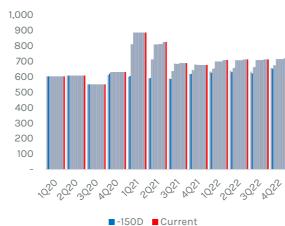
- ☐ Founded in 1985 by Steve Francis as American Mobile Nurses, AMN Healthcare is a workforce solutions and staffing services provider to hospitals and healthcare facilities across United States.
- Headquartered in Dallas, Texas, AMN healthcare employees close to 3000 personnel in their corporate team.

  Nurses, allied and other healthcare professionals and interpreters of close to 11,500 in the last quarter of 2020 work for them

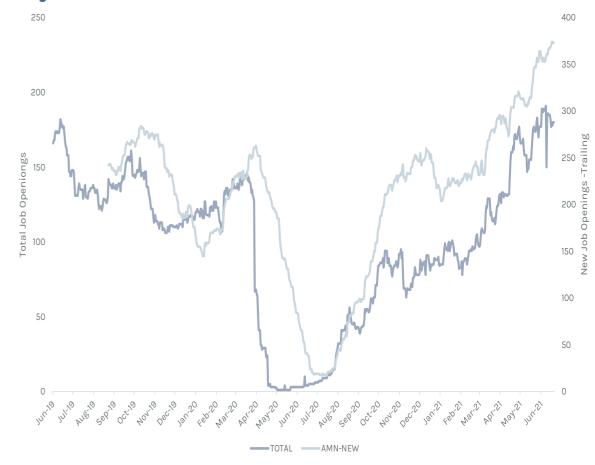


### **Multiples & Revisions**





#### **Key Call- Out: Job Board Data**



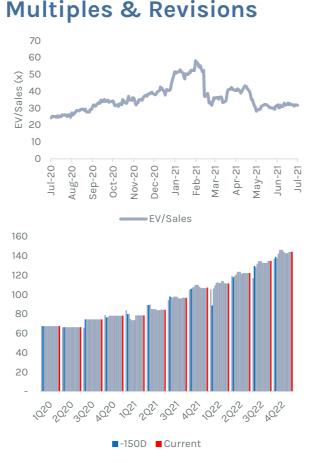
### GH | Guardant Health

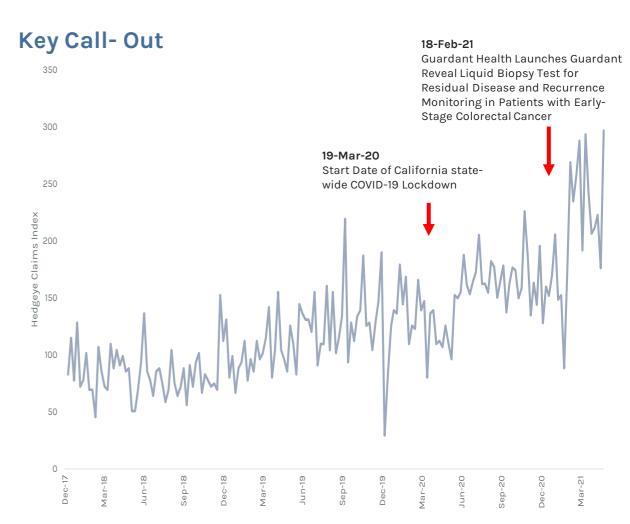


Post-pandemic cancer diagnosis appears to be accelerating, with more patients at later stages. Colon cancer screening and MRD still ahead, but more valuable in the context of near-term upside.

- Founded in 2012 by Helmy Eltoukhy, AmirAli H. Talasaz, and Michael Joseph Wiley
- Guardant Health, Inc. is a precision oncology company, which engages in treatment of cancer through use of proprietary blood-based tests, vast data sets, and advanced analytics.
- ☐ Headquartered in Redwood City, CA, Guardant Health employs 620+ employees



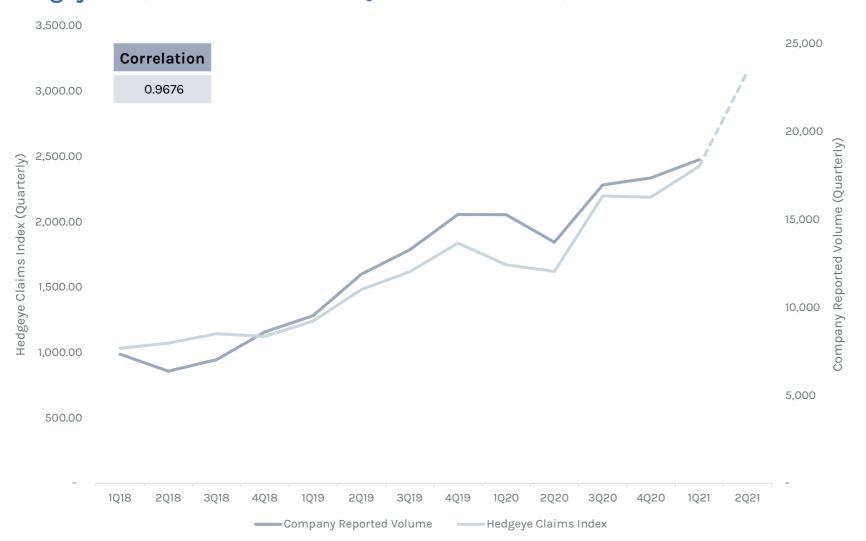


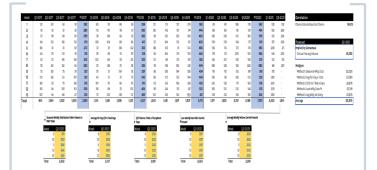


# Claims Index versus Company Reported



### Hedgeye: 23,876 tests versus 2Q21 Consensus: 21,226 tests





Utilizing our five forecasting methods (minimized table shown above\*) for unreported data, we estimate an average of 23,876 clinical tests for 2Q21. Utilizing the consensus estimate for clinical testing revenue of \$56MM and a clinical ASP of \$2,625, consensus implies 2Q21 clinical volume of 21,226 tests.

Although 2,650 tests do not seem considerable, at \$2,625, that equates to nearly \$7MM above consensus revenue.

\*Complete GH Claims Workbook available upon request.\*

### DRIO | DarioHealth

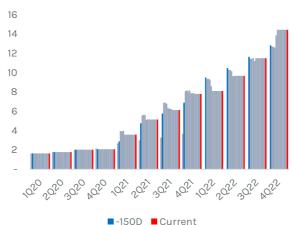


Small caps have been under pressure and their catalysts have always resided in 2H21 and the announcements of employer contracts, which we are still confident we'll see.

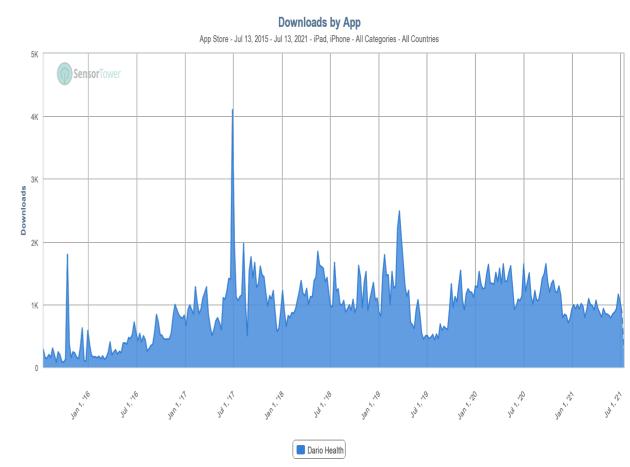
- □ DarioHealth (DRIO) formerly known as LabStyle Innovations - was founded in 2011 and is headquartered in New York City & Israel.
- DRIO is a global digital therapeutics company focused on the remote/virtual management of diabetes, hypertension, and musculoskeletal (MSK) conditions. It offers personalized solutions that combine digital technologies, analytics, hardware, and coaching to encourage users to proactively manage their health.
- □ DRIO is transitioning from a consumer company (B2C) to a digital health platform for providers, health plans and benefits administrators (B2B2C). It is pushing a SaaS model.
- The recent acquisition of Upright Technologies (1/27) added MSK to the suite, and at the same time shored-up the balance sheet (~\$90MM in cash).
- ☐ For more information, visit Links:
  - IR website

#### Multiples & Revisions





### **Key Call- Out: Core Dario App Downloads**



# Digital Health Often Carries a High Multiple



### Recent deals point to a significant EV/Sales and EV/User



Livongo EV/Sales: ~48x

	Active Users	B2B	B2C	User Satisfaction	Clinical Data	HW Sensor	Behavioral health	Global
<b>↓</b> UPRIGHT°	90K							
Hinge Health	60K		$\bigcirc$					$\bigcirc$
<b>♥</b> PHYSERA	10K					$\bigcirc$		$\bigcirc$

Hinge

EV/Sales: 37.5x - 42.85x

**Physera** EV/Sales: 10x

- Hinge Health has a slightly different model and savvy backers (+ a great story, as you'd expect) - they have somewhere between 40k users (as of a year ago) and maybe over 100k (they claim 4/5 employers choose them). Their stated goal was to get to >100k.
- DRIO now has 185k users, including Tobin, who bought the Upright device. While it may be a stretch to draw direct comparisons, DRIO is valued at ~\$1400/reported user at a \$260MM market cap. If Hinge is worth \$3bn, and if they crossed 100k last year, well, that's a lot more (they are entrenched with many Fortune 500s, but still).

# EYE | National Vision Holdings



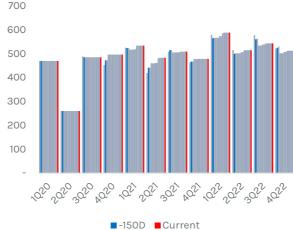
The pace of tracking metrics for vision care have been one of the most consistently positive among the data we track. EYE's 2H21 guidance looks too low to us given the pent-up demand and consolidation.

- □ Founded in 1990 to operate Vision
  Centers for Walmart, In 2005 they were
  acquired by Berkshire Partners and was
  subsequently was merged with America's
  Best Contacts & Eyeglasses to form the
  current company National Vision
  Holdings, Inc.
- Headquartered in Duluth, Georgia, they employee more than 13,000 personnel, with over 2,000 optometrists and operate over 1,100 stores in 44 states plus the District of Columbia and Puerto Rico.

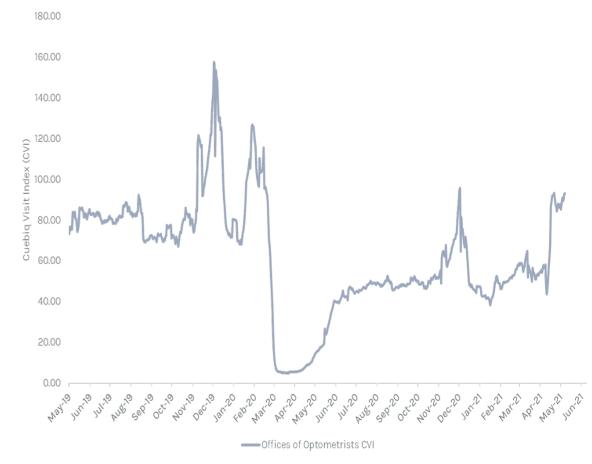


### **Multiples & Revisions**





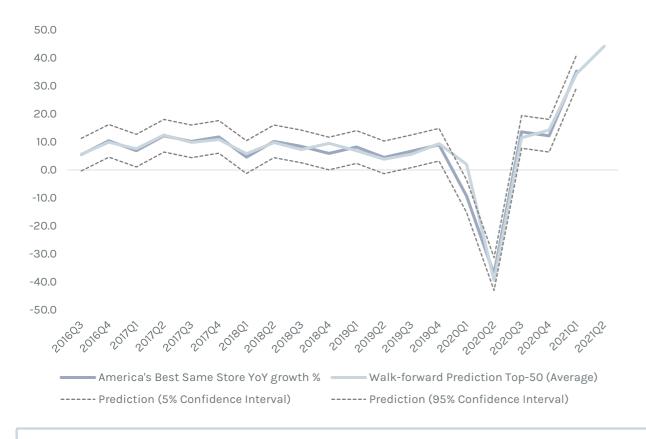
### **Key Call- Out: Office of Optometrists' Volume**



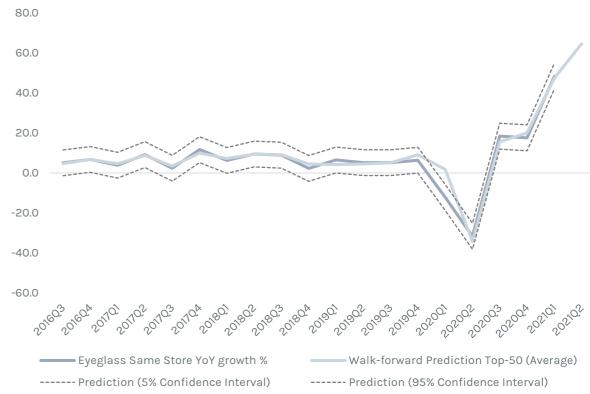
# Forecast Algorithms for Core Brands



#### **America's Best Same Store Growth**



### **Eyeglass World Same Store Growth**



As part of our pent-up demand/re-open thesis, EYE's core brands looks to have considerable room for further improvement in terms of volume.

# ONEM | One Medical



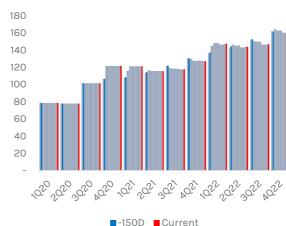
We've drifted on the thesis here, but the lora acquisition looks like a massive positive to us. The MicroQuad 4 set up is shallow and could be easily remedied with a solid 2Q21 member number.

- Pounded in 2007 by Tom Lee, 1life
  Healthcare is a membership based primary
  care platform, which enables seamless
  access to digital health services paired
  with inviting in-office care routinely. They
  also offer administrative and managerial
  services to physician-owned professional
  corporations.
- ☐ Headquartered in San Francisco,
  California, Ilife Healthcare employees over
  1,900 personnel. They currently operate
  across 14 different states with members of
  approximately 549,000 served.

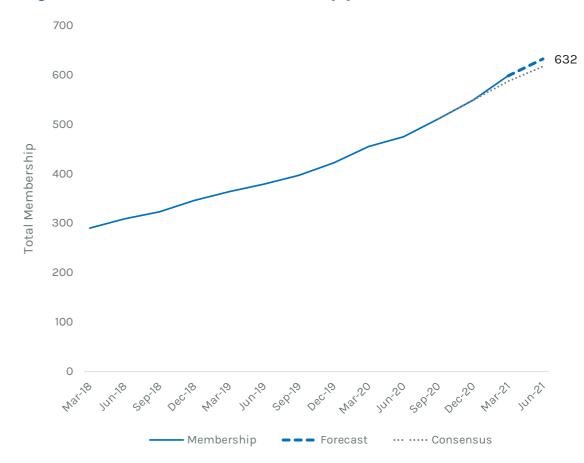


### **Multiples & Revisions**





#### **Key Call- Out: One Medical App Downloads**



### Provider Tracker



In the absence of a COVID wave, One Medical continues to add providers at a steady rate...



	1life Healthcare Inc. (ONEM) Provider Tracker														
	Oct-28	Nov-30	Jan-8	Jan-20	Feb-8	Apr-12	May-15	Jun-30							
Existing	646	630	635	646	662	650	663	670							
New	21	10	14	18	6	26	18	29							
Turnover	37	5	3	2	18	13	11	0							
Total	630	635	646	662	650	663	670	699							

Legend: Red dots indicate a new provider has been added in May 2021 (may be more than one/location). Blue dots show existing ONEM providers. ONEM currently operates in 50 locations across 14 different states. Tracker Note: In the month of May and June ONEM has opened a new office in Chevy Chase, Maryland.

# Provider Tracker by Specialty



#### As of June 30, 2021, One Medical has added 29 new providers, totaling 699 providers

	5/19/2020	6/1/2020	6/8/2020	6/16/2020	6/24/2020	6/29/2020	7/15/2020	8/5/2020	8/31/2020	9/29/2020	10/28/2020	11/30/2020	1/8/2021	1/20/2021	2/8/2021	4/12/2021	5/17/2021	6/30/2021
Active	577	577	583	580	592	603	600	612	618	635	646	630	635	646	662	650	663	670
Active - New	0	6	0	16	11	0	13	7	20	18	21	10	14	18	6	26	18	29
Inactive	0	0	3	4	0	3	1	1	3	7	37	5	3	2	18	13	11	0
Total - End	577	583	580	592	603	600	612	618	635	646	630	635	646	662	650	663	670	699
Family Medicine		136	136	140	140	140	144	146	150	155	161	164	165	167	166	166	163	167
Internal Medicine		72	72	72	71	71	71	72	77	78	79	76	76	78	78	80	79	83
General Practice		1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3
Pediatrics		14	14	16	12	12	13	14	14	14	14	14	14	14	14	13	12	12
Obstetrics & Pediatrics		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sports Medicine		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ostheopathic Medicine		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Obstetrics/Gynecology		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Pediatric Medicine		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Legal Medicine		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total		229	229	235	230	230	235	239	248	254	261	262	263	267	267	268	263	271

Specialty/Taxanomy	5/19/2020	6/1/2020	6/8/2020	6/16/2020	6/24/2020	6/29/2020	7/15/2020	8/5/2020	8/31/2020	9/29/2020	10/28/2020	11/30/2020	1/8/2021	1/20/2021	2/8/2021	4/12/2021	5/17/2021	6/30/2021
Family Medicine	136	136	136	140	140	140	144	146	150	155	161	164	165	167	166	166	163	167
Internal Medicine	71	72	72	72	71	71	71	72	77	78	79	76	76	78	78	80	79	83
Physician Assistant	112	113	113	115	118	118	126	129	133	135	136	129	131	136	140	140	144	147
Registered Nurse	7	7	7	7	7	7	7	7	8	8	10	10	12	14	14	18	19	19
Nurse Practitioner	116	118	118	118	120	120	130	129	131	137	144	136	140	141	141	141	144	148
Others	135	137	134	140	147	144	134	135	136	133	100	120	122	126	111	118	121	135
Total	577	583	580	592	603	600	612	618	635	646	630	635	646	662	650	663	670	699

We're going to leverage our provider tracker into a medical claims index keying off provider specific and location specific data. From here, we're looking for evidence of reopen in these and other metrics.

### Field Notes | MD: Former One Medical (+ Check)



#### On ONEM: "It's an attractive, competitive place to work, [I] could see myself working there a long time."

#### **Highlights**

The physician is family practice and obesity management trained and certified. He spent ~5 years with ONEM, and had he not always wanted to start his own practice w/ a focus on obesity management, he'd have stayed. Positive Check on ONEM and tech-enabled primary care/the membership model.

- One good encounter will make someone a lifelong ONEM member, according to our contact (retention is extremely high 90%+ at his old practice)
- ONEM's home-grown EMR and tech stack are among the best out there and provide an advantage over other providers, in our contact's opinion
- Patients are trapped in the legacy model (FFS) and telehealth or app-based platforms don't provide long-term results for chronic care or value-based models (they aren't personal enough)
- ONEM is an attractive and competitive place to work, but patients might not wait to see a provider in a membership model (if the panels grow too large for the care team(s))
- From the top-down, our contact thinks ONEM is run by good people (CEO, CMO, all "very high quality" overall

Why did you choose ONEM vs. a traditional family practice?

ONEM was an attractive option that didn't fit either of the traditional models - the mix of traditional FFS with some elements of concierge and direct primary care. Overall, it was a really good experience. (Note, he would not choose a Medicare/Medicare Advantage model because of the stress of dealing with chronic 65+ year old members, even with smaller panels.)

The average margin on the visit side, ONEM or \$19.99 monthly, is it profitable w/ FFS?

Not necessarily, but it would still be profitable w/ insurance payments alone. The "lean" model works - I don't have huge/expensive office space, for example - it's heavy virtual. Most of the workflows are embedded in the EHR... no accessory staff, yet (a scheduler or Medical Assistant). I use athenahealth because it allows me to stay lean.

The big network partner in the region - is there any tension w/ referral partners? Any pressure on the providers to do more?

• **No. Nothing overly intrusive.** I maintained active referrals in the region too (outside of the partnership(s)).

We hear that 55% of people don't have a primary care relationship - is there a lot of room for growth? Is delivery of primary care broken (FFS) and leaving everyone unhappy, and how easy is it for you to recruit to the practice or ONEM to grow (i.e., how differentiated is it from FFS)?

- I appreciate that statistic there are so many anecdotes to support it (many urgent care practices around, Teladoc, MDLive, etc.) capitalizing on people waiting until they are sick to seek care or thinking they don't need a PCP. The average person that stumbles upon ONEM, whether they have/had a PCP or not, quickly sees value in getting 30 quality minutes with a provider in a non-rushed setting.
- All the tech that comes w/ it messages back and forth, 24/7 on-demand telehealth is
  a huge selling point. There's no relationship w/ Teladoc people like and see the
  difference w/ ONEM.

Livongo, Dario, Omada - app-based approach w/ health coaches... thoughts?

They are "OK" - if you want to do a little of that, it's fine. An app alone will not yield long-term results. Most of them are fad programs (people participate for 3 - 6 months, lose some weight, burn out, and the weight comes back).

#### How about competition for ONEM?

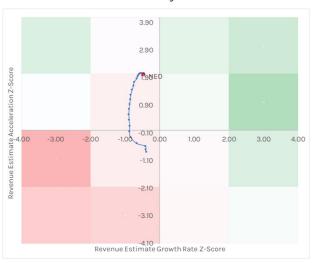
Forward is a similar model... another tech-based primary care practice. It's a little
"gimmicky" w/ body scans when you come in, on-demand finger-prick blood test w/
results in 15 minutes, and 23andMe involved too. It feels like they are selling tech
more than health care, and I think the market for that is smaller.

### NEO | NeoGenomics



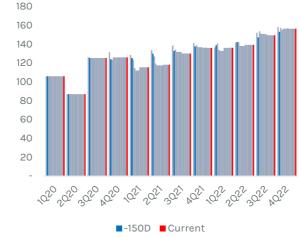
We expect cancer testing trends translate to Neo, although claims trends have been weakening since we put on the long. 60% of volume is direct and field checks suggest strong volumes.

- □ Founded in 2001, NeoGenomics operates a network of cancerfocused testing labs primarily across United states with a presence in Europe and Asia.
- → Headquartered in Fort Myers, FL, NeoGenomics employs over 1,700 fulltime employees and 120 M.D's and Ph.D.'s on contractual basis.
  - ☐ They currently operate 8 different locations across 5 states domestically and 2 labs located internationally.

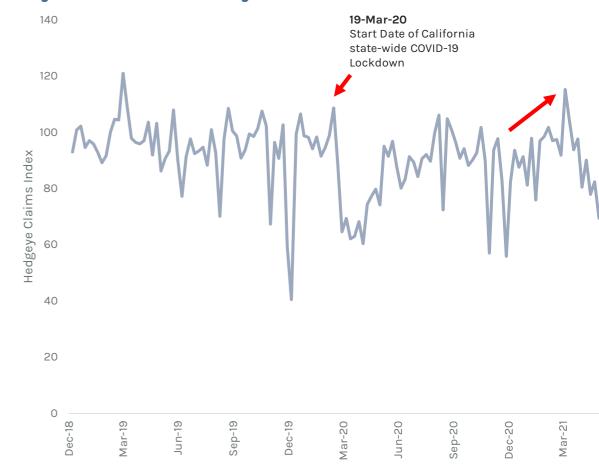


### **Multiples & Revisions**





#### **Key Call- Out: Weekly Claims Data**



# TXG | 10x Genomics



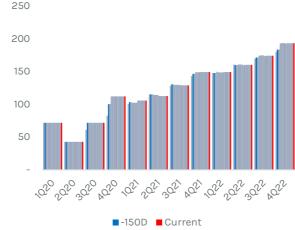
The standard for single cell sequencing, but grant trends have decelerated, which is why we pushed to Long Bench.

- Saxonov, Ben Hindson, Kevin D. Ness and Eduard Diviu Terradas, 10X Genomics, Inc. is a life science technology company, which engages in building products to interrogate, understand and master biology.
  - Headquartered in Pleasanton, CA, 10x Genomics employs more than 670 employees.
- □ 10x Genomics had sold 1,666 instruments to researchers in over 40 countries since launching their first product in mid-2015 through December 31, 2019.

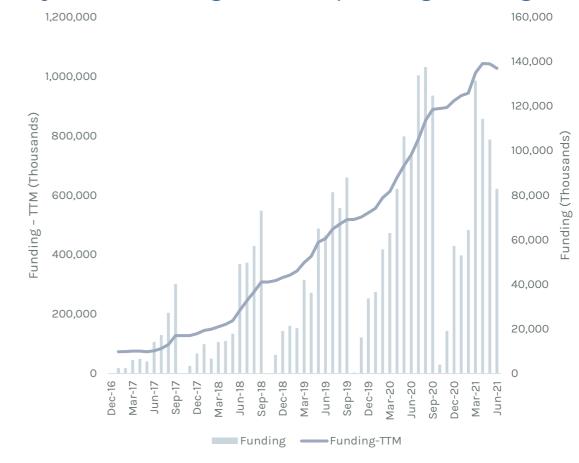


#### **Multiples & Revisions**





#### **Key Call- Out: Single Cell Sequencing Funding**

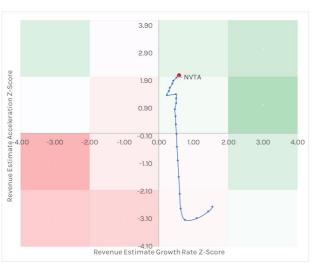


## NVTA | Invitae



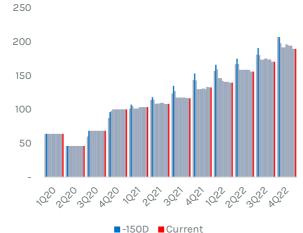
We don't have a super positive view on ArcherDx acquisition, but maybe we just don't get it. Bottom line, though, the claims are trending very positive into 2Q21, and the estimate trend is accelerating...

- ☐ Founded by Sean George on January 13, 2010, Invitae Corp (earlier known as Locus Development) engages in the provision of genetic information into mainstream medical practice. It includes comprehensive panels for hereditary conditions in cancer, cardiology, neurology, pediatric, and rare diseases.
- ☐ Headquartered in San Francisco, CA, Invitae has 1,100 current employees and a sales force of 190 personnel worldwide.
- ☐ Operates a CLIA certified facility in San Francisco (CA), a secondary facility in Santiago (Chile) and offices in Palo Alto (CA).

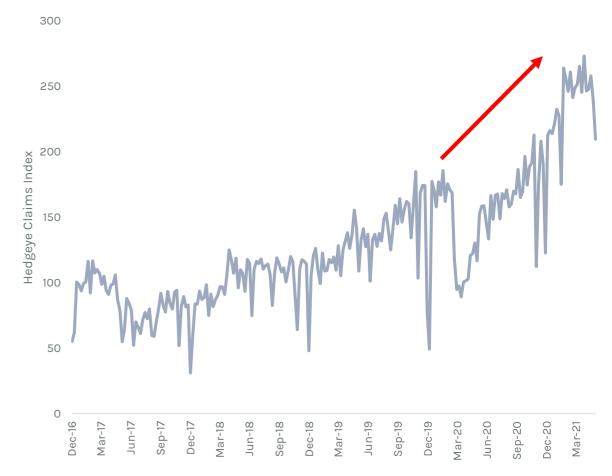


### **Multiples & Revisions**





### **Key Call- Out: Weekly Claims Data**



### GDRX | GoodRx



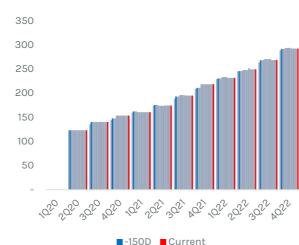
Prescription volumes and MAU growth isn't hitting our expectations. On the Long Bench until we see improvement. We still believe it's a BIG TAM.

- Founded in 2011 by Doug Hirsch, Trevor Bezdek and Scott Marlette, GoodRx owns and operates a prescription drug price comparison platform and provides pharmacy coupons to the customers. It has entered the space of telemedicine in Sep- 2019.
- □ Headquartered in Santa Monica, California, GoodRx employs more than 413 employees, with ~14 million people visiting their website per month.

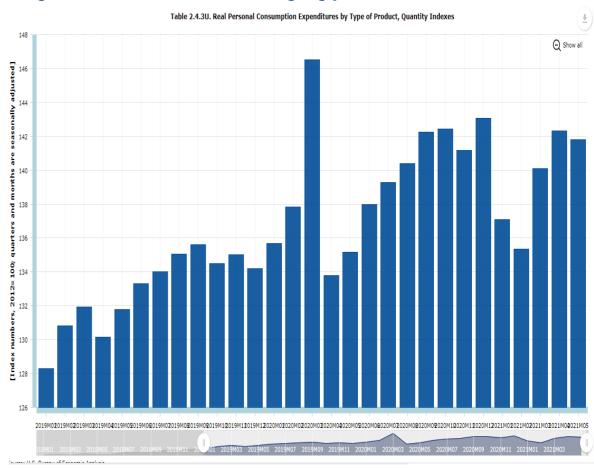


### **Multiples & Revisions**





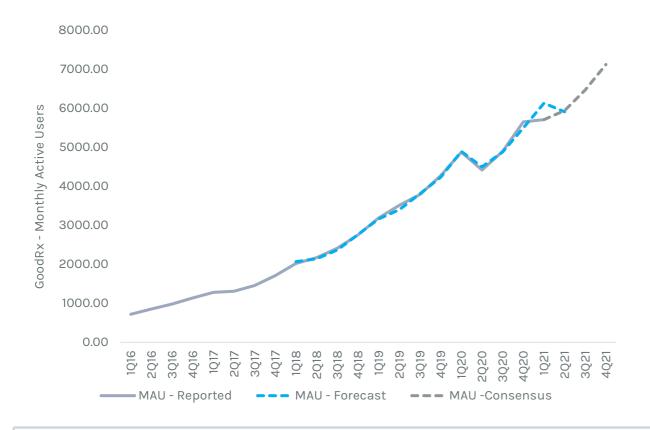
### **Key Call- Out: Real PCE by Type**



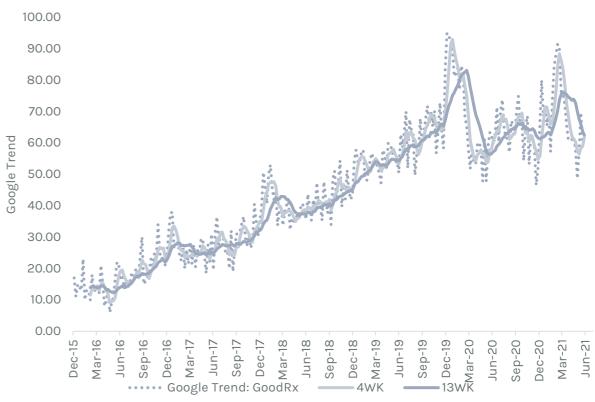
### MAU Forecast and Search Trends for "GoodRx"



#### 5,909,840 versus 5,940,000 Consensus



#### Consumer interest weakened sequentially in 2Q21



Our forecast is driven by the relationship between repeat users, search activity, and Monthly Active Users (MAU). Inclusive of Scriptcycle our MAU estimate is now 5,909,840 versus consensus of 5,940,000. Management had said they exited the quarter at 6,100,000 during their 1Q21 earnings call.

## EXAS | Exact Sciences



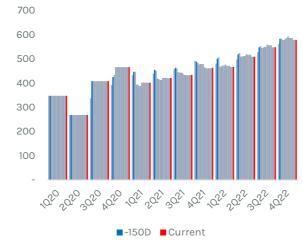
Competition is coming on multiple fronts. Meanwhile colonoscopy should recovering and pushing back on inroads Cologuard made during the pandemic.

- □ Founded in 1995, Exact Sciences is a molecular diagnostics company focused on the early detection and prevention of some of the deadliest forms of cancer, with primary focus on colorectal cancer.
- ☐ Headquartered in Madison, Wisconsin, Exact Sciences employs more than 4,000 personnel, including:
  - Operates 2 commercial labs in Madison, Wisconsin, capable of producing seven million Cologuard tests per year.

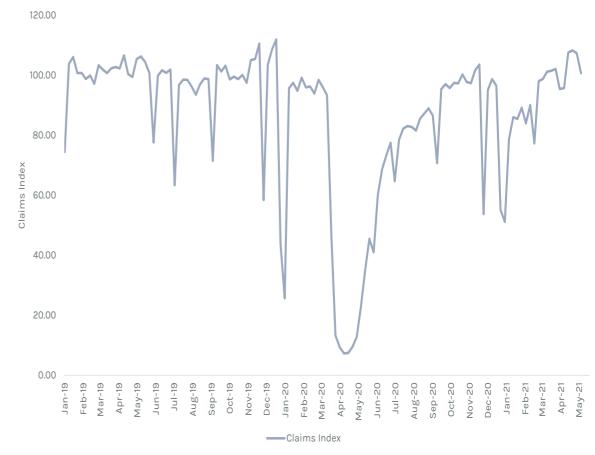


### **Multiples & Revisions**





### **Key Call- Out: Screening Colonoscopy Claims Data**



# ARKG | Ark Genomic Revolution ETF



Estimate trends are still slowing for their constituent holdings. Factor exposure is wrong for Macro Quad 3 as well.

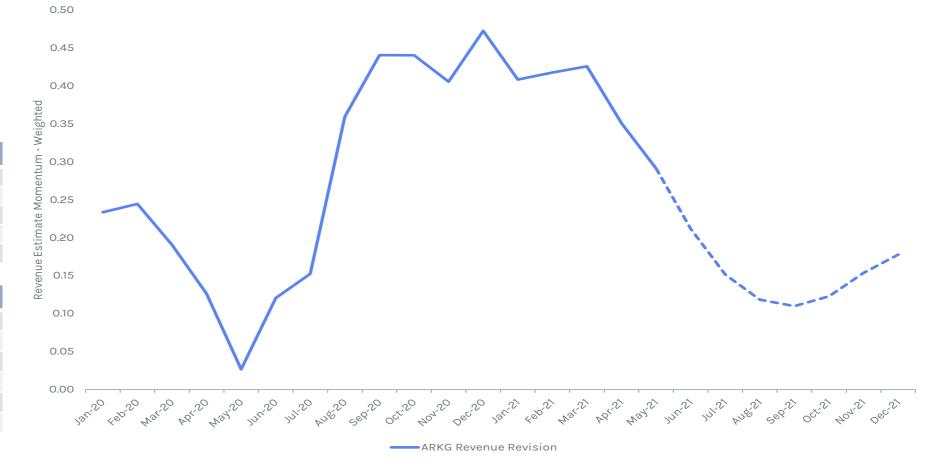
- Founded in 2014 ARK Genomic Revolution is an Exchange traded fund focusing of investing in equity of the companies which are expected to substantially benefit from by incorporating technological and scientific developments and advancements in genomics into their business.
- ☐ The fund is managed by Catherine Wood
- $\Box$  The Top 5 holdings are as follows:

Weight	Company
6.82%	TELADOC HEALTH INC
4.94%	EXACT SCIENCES CORP
4.49%	REGENERON PHARMACEUTICALS
4.37%	PACIFIC BIOSCIENCES OF CALIF
4.09%	CAREDX INC

☐ The Performance of ARKG is as follows:

Period	Return
3 Months	-5.1%
YTD	-5.1%
1 Year*	184.4%
3 Years*	54.0%
5 Years*	40.3%
Since Inception*	27.5%





\* Annualized

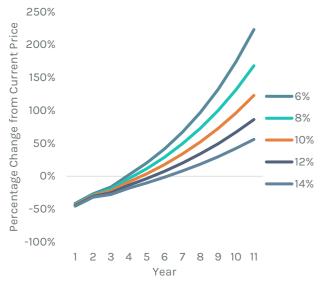
### Growth vs Inflation



These assumptions treat the stock like a zero-coupon bond, growth can overcome a lot, but

inflation raises the bar significantly.

Value
25.00%
2.00%
23.00%
\$175.00
\$5.00
35.00
1.60%
3.00%
21.74
(13.26)



Expected Pri	00						Year					
Expected PTI	Ce	0	1	2	3	4	5	6	7	8	9	10
	0%	\$108.70	\$135.87	\$164.45	\$212.30	\$265.37	\$331.71	\$414.64	\$518.30	\$647.88	\$809.85	\$1,012.31
	2%	\$106.56	\$133.21	\$158.06	\$200.05	\$245.16	\$300.44	\$368.19	\$451.21	\$552.96	\$677.64	\$830.44
	4%	\$104.52	\$130.64	\$152.04	\$188.73	\$226.84	\$272.64	\$327.70	\$393.87	\$473.40	\$568.99	\$683.88
	6%	\$102.54	\$128.18	\$146.36	\$178.25	\$210.20	\$247.88	\$292.31	\$344.70	\$406.49	\$479.35	\$565.27
	8%	\$100.64	\$125.81	\$140.99	\$168.53	\$195.06	\$225.76	\$261.29	\$302.42	\$350.03	\$405.12	\$468.89
Discount Rate	10%	\$98.81	\$123.52	\$135.91	\$159.50	\$181.25	\$205.97	\$234.05	\$265.97	\$302.24	\$343.45	\$390.29
	12%	\$97.05	\$121.31	\$131.10	\$151.11	\$168.65	\$188.22	\$210.07	\$234.45	\$261.67	\$292.04	\$325.94
	14%	\$95.35	\$119.18	\$126.54	\$143.29	\$157.12	\$172.28	\$188.90	\$207.13	\$227.12	\$249.03	\$273.06
	16%	\$93.70	\$117.13	\$122.21	\$136.01	\$146.56	\$157.93	\$170.19	\$183.39	\$197.62	\$212.95	\$229.47
	18%	\$92.11	\$115.14	\$118.10	\$129.21	\$136.88	\$144.99	\$153.60	\$162.71	\$172.36	\$182.58	\$193.42
	20%	\$90.58	\$113.22	\$114.20	\$122.86	\$127.98	\$133.31	\$138.86	\$144.65	\$150.68	\$156.95	\$163.49

Total Percentage		Year														
Change		0	1	2	3	4	5	6	7	8	9	10				
	0%	-38%	-22%	-6%	21%	52%	90%	137%	196%	270%	363%	478%				
	2%	-39%	-24%	-10%	14%	40%	72%	110%	158%	216%	287%	375%				
	4%	-40%	-25%	-13%	8%	30%	56%	87%	125%	171%	225%	291%				
	6%	-41%	-27%	-16%	2%	20%	42%	67%	97%	132%	174%	223%				
	8%	-42%	-28%	-19%	-4%	11%	29%	49%	73%	100%	131%	168%				
Discount Rate	4% 6% 8% 10% 12% 14%	-44%	-29%	-22%	-9%	4%	18%	34%	52%	73%	96%	123%				
	12%	-45%	-31%	-25%	-14%	-4%	8%	20%	34%	50%	67%	86%				
	14%	-46%	-32%	-28%	-18%	-10%	-2%	8%	18%	30%	42%	56%				
	16%	-46%	-33%	-30%	-22%	-16%	-10%	-3%	5%	13%	22%	31%				
	18%	-47%	-34%	-33%	-26%	-22%	-17%	-12%	-7%	-2%	4%	11%				
	20%	-48%	-35%	-35%	-30%	-27%	-24%	-21%	-17%	-14%	-10%	-7%				

### AMWL | American Well



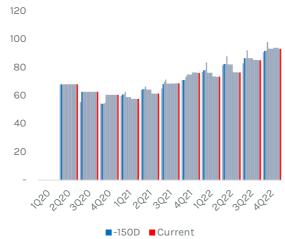
### We continue to see deteriorating trends here across our trackers.

- □ Founded in 2006 by Ido
  Schoenberg and Roy Schoenberg,
  American Well corporation is a
  telehealth company enabling digital
  delivery of care for healthcare's key
  stakeholders
- ☐ Headquartered in Boston, Massachusetts, American Well employs more than 686 employees. Providing care 24/7 all round the year.

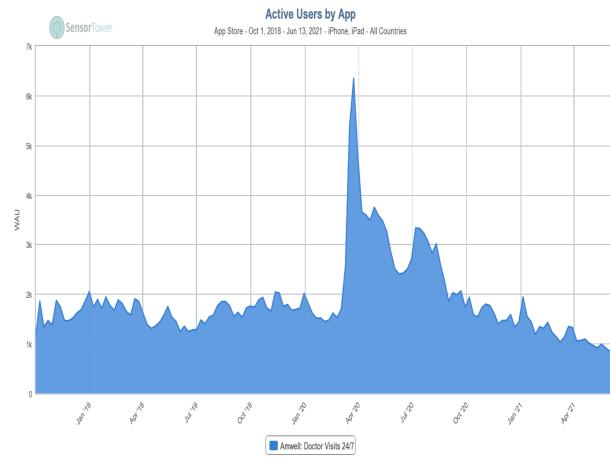


### **Multiples & Revisions**





### **Key Call- Out: AmWell App Downloads**



# AMWL | Provider Tracker - 2Q21 Update



Despite wins in Maine, Losses elsewhere could indicate continued churn

	4/30/2021	7/1/2021	7/1/2021	7/1/2021
Client Type	Count	Departures	Additions	Count
Health Plans (HPs)	23	1	0	22
Health Systems/Providers	113	3	3	113
Other	8	0	0	8
Total	144	3	4	143

Domain <u> </u>	<u>Landing Page</u> *	System; State	Status 🔟
mainehealth.live	https://mainehealth.live/landing.htm	Maine Health Services; ME	Addition
mymrhsvisit.org	https://mymrhsvisit.org/landing.htm	Madison Regional Health System, SD	Addition
northernlighttelehealth.org	https://northernlighttelehealth.org/landing.htm	Northern light Health , ME	Addition
citymdnow.com	https://citymdnow.com/landing.htm	CITYMD; NY, NJ	Departure
wellconnection.com	https://wellconnection.com/landing.htm	BCBS; MA	Departure
houstonmethodistvirtualcar	https://www.houstonmethodistvirtualcare.org/land	Houston Methodist; TX	Departure
premiervirtualcare.org	https://premiervirtualcare.org/landing.htm	Premier Health; OH	Departure

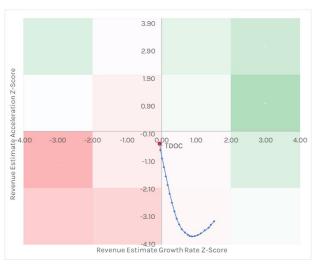
While the Health System additions of Northern Light Health (\$2.88B) and Maine Health Services (\$1.75B) nearly offsets the potential losses of Houston Methodist (\$5.3B) and Premier Health (\$1B), the loss of any Blue Cross Blue Shield (BCBS) plan or a likely higher module adoption client like CityMD, would be concerning.

# TDOC | Teladoc Health



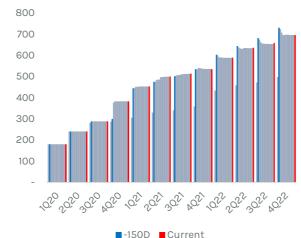
Advanced Primary Care and value based contracting look like big threat at some point. Livongo sell through is the key from here, though.

- ☐ Founded on June 13, 2002, by George Byron, Teladoc Health, Inc. provides Telehealth Care Services through a technology platform utilizing mobile devices, the Internet, video, and phone.
- ☐ Headquartered in Purchase, New York, Teladoc employs more than 2,000 employees, delivering care 24 hours a day, 7 days a week, and 365 days a year in:

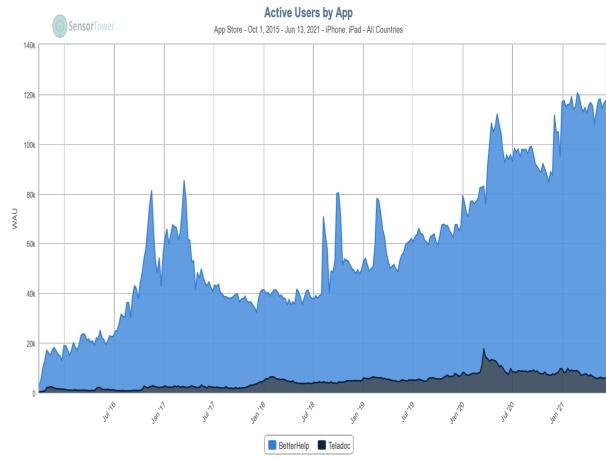


### **Multiples & Revisions**





### Key Call- Out: Teladoc + BetterHelp App Downloads



# Hedgeye Macro Quad Outlook

#### **Hedgeye Quad Model**

United States	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1020	2Q20	3Q20	4Q20	1Q21	← Actuals   Estimates →	2Q21E	3Q21E	4Q21E	1Q22E
Real GDP QoQ SAAR	2.70%	2.10%	1.30%	2.90%	1.50%	2.60%	2.40%	-5.00%	-31.40%	33.40%	4.30%	6.40%	Real GDP QoQ SAAR	9.16%	8.58%	3.87%	4.16%
Real GDP YoY	3.33%	3.12%	2.48%	2.27%	1.96%	2.08%	2.34%	0.32%	-9.03%	-2.85%	-2.39%	0.40%	Real GDP YoY	12.84%	7.24%	7.14%	6.599
2yr Comparative Base Effects	1.80%	1.98%	2.39%	2.57%	2.75%	2.74%	2.59%	2.67%	2.64%	2.60%	2.41%	1.29%	2yr Comparative Base Effects	- <b>3.5</b> 3%	-0.39%	-0.02%	0.369
Headline CPI YoY	2.71%	2.64%	2.20%	1.64%	1.81%	1.76%	2.03%	2.12%	0.36%	1.22%	1.24%	1.90%	Headline CPI YoY	4.62%	3.99%	3.84%	3.42%
2yr Comparative Base Effects	1.48%	1.54%	1.96%	2.38%	2.31%	2.30%	2.16%	1.93%	2.26%	2.20%	2.12%	1.88%	2yr Comparative Base Effects	1.09%	1.49%	1.64%	2.019
							axis: Firs	United st Differe st Differe	nce of	oY Head		;					
						,		Obps -									
#Quad1 Growth Accelerating as Inflation Decelerates Monetary Policy Bias: Neutral Market Narrative: Goldilocks							50	Obps -	#Quad2 Growth Accelerating as Inflation Accelerates  Monetary Policy Bias: Hawkish Market Narrative: Reflation								
-300bps-275bps-250bps-2251	ops-200bp	os-175bps	s -150bps -	125bps-1	00bps -75	ibps -5	022E 4	PS OPPO	20 <sup>66 ps</sup>	50bps	75bps 10	00bps 12	5bps 150bps 175bps 200bps 22	5bps 250	bps 275bp	s 300bps	325bp
#Quad4 Growth Slowing as Inflation Decelerates  2Q20 V Delicy Bias: Dovish Narrative: Deflation						3Q21E	-50	Obps -	#Quad3 Growth Slowing as Inflation Accelerates								
							-100	Obps -	Monetary Policy Bias: Neutral  S - Market Narrative: Stagnation/Stagflation								
							-150	Obps									
Data Source: Bloomberg, Light Blue	box = Hedge	eye Nowcas	t Model est	timate. Darl	k Blue boxe	s = Hedgeye	e Comparat	tive Base Eff	ects Mode	l estimates					© Hedge	ye Risk Mana	agemen

#### Has Since Been Updated to #Quad3 in 3Q21

Macro Quads are useful in guiding long and short and factor exposures including Sector weighting. However, at the stock level, the Macro Quads do not differentiate between tickers.

#### **Understanding the Quads**

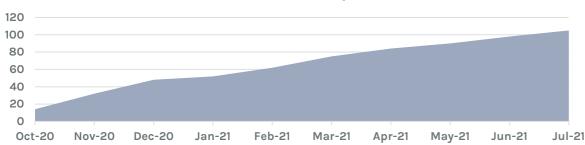
- Quad 1 = Real Growth Accelerates, and Inflation Decelerates
  - Equity Sector Overweight(s):
    Technology, Consumer Discretionary,
    Industrials. Materials
  - ☐ Health Care Industry Overweight(s): Biotechnology, Tools & Services, Pharmaceuticals
- Quad 2 = Real Growth and Inflation Accelerate
  - Equity Sector Overweight(s): Tech, Consumer Discretionary, Industrials, Energy
  - Health Care Industry Overweight(s): Equipment & Supplies, Biotechnology, Providers & Services
- Quad 3 = Real Growth Decelerates, and Inflation Accelerates
  - ☐ Equity Sector Overweight(s): Health Care, Utilities, Technology, Energy, REIT's
  - Health Care Industry Overweight(s): Biotechnology, Tools & Services, Technology
- Quad 4 = Real Growth and Inflation Decelerate
  - ☐ Equity Sector Overweight(s): Health Care, Consumer Staples, Utilities, REIT's
  - Health Care Industry Overweight(s): Technology, Providers & Services, Biotechnology

# Hedgeye Primary Research | A Unique Approach



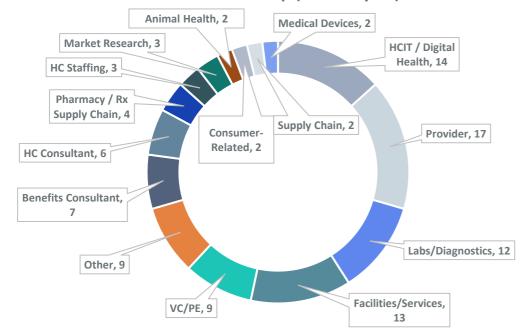
Leveraging 12+ years of expert network experience and a content-based feedback loop...

#### **Network Participants**



105 & Growing (+2-3 per week, on average)

#### **Network Makeup (as of July 15)**



Provider specialties include primary care, orthopedics, endocrinology, pulmonology, and emergency/critical care, as well as a number of physician executives, among others;

Facilities/Services includes hospital, PT, and Vision Care executives; and HCIT/Digital Health includes telehealth, RPM, analytics and other virtual care executives.

We've been selectively adding contacts to our "network" since early October 2020.

Contacts opt-in during our regular primary research and are often willing to hop on the phone to chat with us about or provide a quick reaction to news, client questions, and new data series.

We ask questions and know our contacts' strengths beyond their current title and role, which affords us a speed and accuracy advantage. For example, when ONEM announced the acquisition of lora, we were initially concerned. However, within an hour, we had several responses to outreach and a conversation that not only eased our concern(s) but provided an impetus to dig deeper.

We are proving out a "knowledge capital exchange" model based on solid relationships and a content-based flywheel involving data, written research, reactions to news, consultations, and HedgeyeTV interviews.

Concurrently, we're building relationships with the management teams of Position Monitor and Watchlist companies.

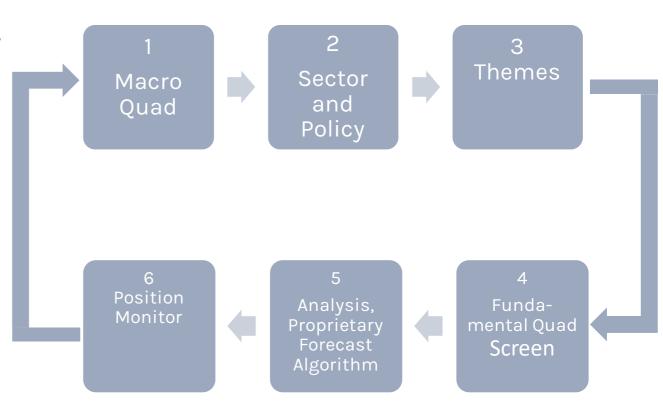
# Combining Quants, Fundamentals, Data, and Policy



#### **Process Breakdown**

- Macro Quads
  - The macro economic backdrop drives the vast majority of stock activity.
  - ☐ With these preferred areas in mind, monitoring industry specific ETF's, such as the SPDR® S&P® Health Care Services ETF (XHS) and SPDR® S&P® Health Care Equipment ETF (XHE) help to create a list of names our clients are interested in.
  - Along with building new models for new ideas, the team maintains a substantial list of models internally which are updated routinely with new information, such as earnings calls and conference appearances.
  - Any information that would shift the fundamentals of the company is discussed and positions are updated through the following steps.
- Sector and Policy
  - Insured Medical Consumer Model Health Care consumption begins with an insured consumer. Our model captures monthly changes in enrollment across Medicare, Medicaid, and Employer sponsored programs and changes to consumption patterns to the impact of policy and regulatory regime changes.
  - US Medical Economy We map and measure changes in provider focused data drawn from government and proprietary sources that reflects trends in medical consumption, unit costs, and labor inputs such as wages.
- Themes
  - The combination of Macro, Sector, and Policy can often be organized into Themes which provide a framework for stock selection and additional information gathering.
- Fundamental Quads and Factor Screening
  - Macro Quads provide helpful differentiation at the Sector and factor level, but correlations across Health Care Sub Industries remain tight across all regimes.
  - Company estimate trends fall into 4 quadrants of growth and acceleration that flags high probability longs and shorts. Combined with Macro, Sub Industry, and Themes, we further improve our batting average.
- Analysis, Data Tools and Process, Forecast Algorithm
  - We deploy a number of data tools and expert interviews and alternative sources to analyze and model our companies. Where possible we develop forecast algorithms built using underlying data sets, proprietary data, and a machine learning methodology.
- Position Monitor
  - We review our longs and shorts weekly, re-rank based on changes in conviction, new data, or performance.

#### Macro -> Sector -> Company





For more information, contact us at:

# healthcareteam@hedgeye.com