Laboratory evolution and adaptation to telemedicine: Are we Blockbuster in a Netflix world?

Andrew Fletcher, MD, MBA, CPE







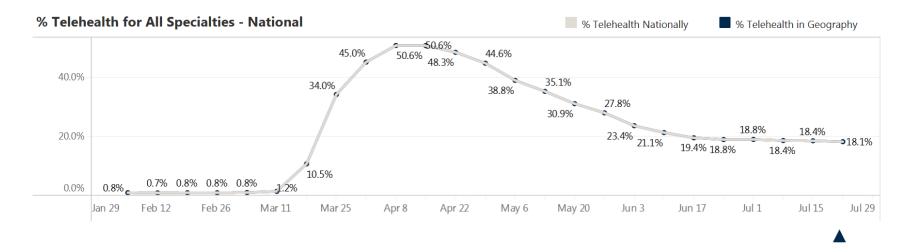
Laboratory evolution and adaptation to telemedicine: Are we Blockbuster in a Netflix world?

Review existing survey results.

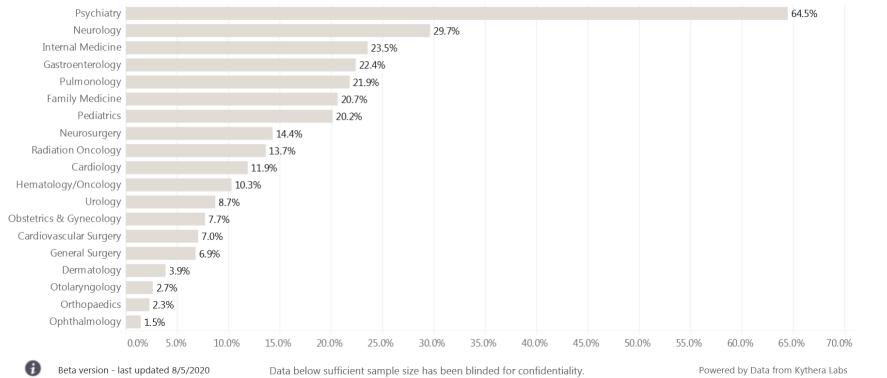
ARUP Telemedicine Survey Results.

Examine why we asked these questions.





% Telehealth by Physician Specialty - National - Week of 7/22/2020



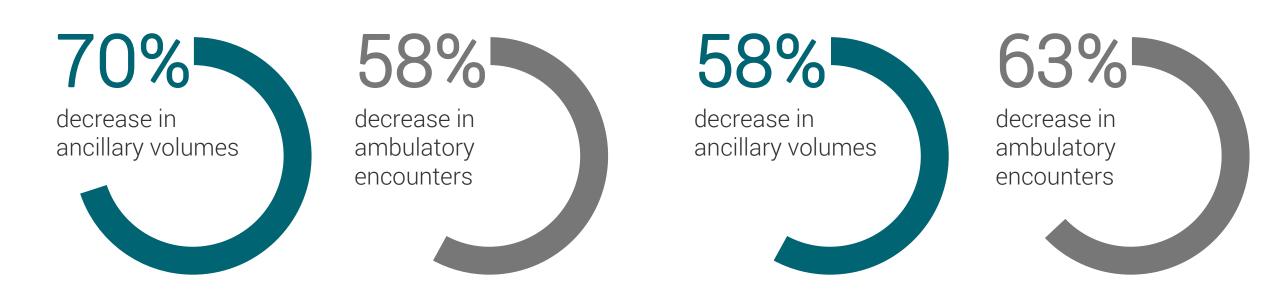
The Chartis Group. Telehealth Adoption Tracker from the Chartis Group and Kythera Labs. <u>https://reports.chartis.co</u> <u>m/telehealth_trends_and</u> <u>_implications-aug2020/</u> (accessed on August 12, 2020).



Transition to Telemedicine

Primary care practice volume in April 2020

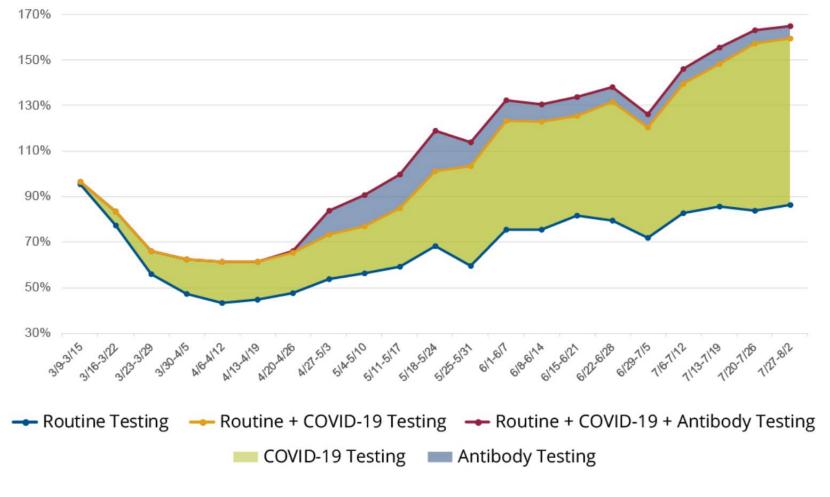
Specialty practice volume in April 2020



PREMIER^{*} Premier Inc. (2020). *How COVID-19 is reshaping ambulatory revenue, volumes and operations* [Whitepaper]. Retrieved August 10, 2020, from http://offers.premierinc.com/WCFY20PHPESCOVID-19 19AmbulatoryReport_LandingPage.html?utm_source=pinc&utm_medium=blog&utm_content=whitepaper&utm_campaign=WC+FY20+PH+PES+COVID-19+Ambulatory+Report

Laboratory Volume Index

Total Lab Tests as % of Baseline Average



XIFIN

COVID-19 STAT Intelligence Briefings. Lab test dashboard from XIFIN. <u>https://covid19briefings.com/xifin-2/</u> (accessed on August 12, 2020).

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Overview of Laboratory Telemedicine Survey

Survey open from 7/30/20 - 8/20/20 with 63 total responses

- Distributed survey to 2,971 active clients and received 56 responses, which is a 2% response rate.
 - These clients who were invited are not competitors, not affiliated with the U of U or ARUP, Lab management or Medical director/pathologist contact type
- Account Executives also sent out the survey to key clients to which we received 7 responses.

Survey contains 12 questions – 11 multiple choice & 1 comment question



What percentage of ambulatory care do you expect will be provided in a virtual setting in your healthcare system today? One year from today?

One year from today

23.8%

22.2%

12.7%

38.1%

100%

3.2%

Count

15

14

8

2

24

63

Percentage

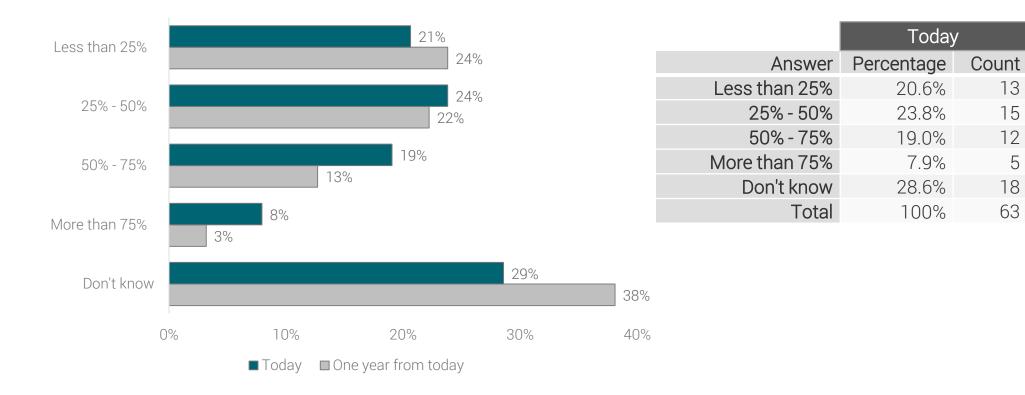
13

15

12

5

18





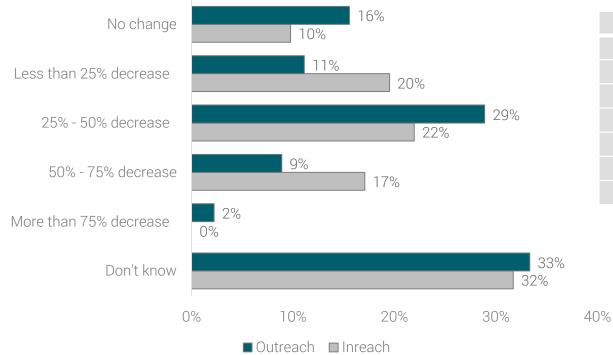
Which program(s) does your laboratory support?

Outreach program)	14%			
Inreach program		9%			
Both outreach and inreach programs					66%
Neither outreach nor inreach programs		11%			
	0%	20%	40%	60%	80%

Answer	Percentage	Count
Outreach program	14.3%	8
Inreach program	8.9%	5
Both outreach and inreach programs	66.1%	37
Neither outreach nor inreach programs	10.7%	6
Total	100%	56



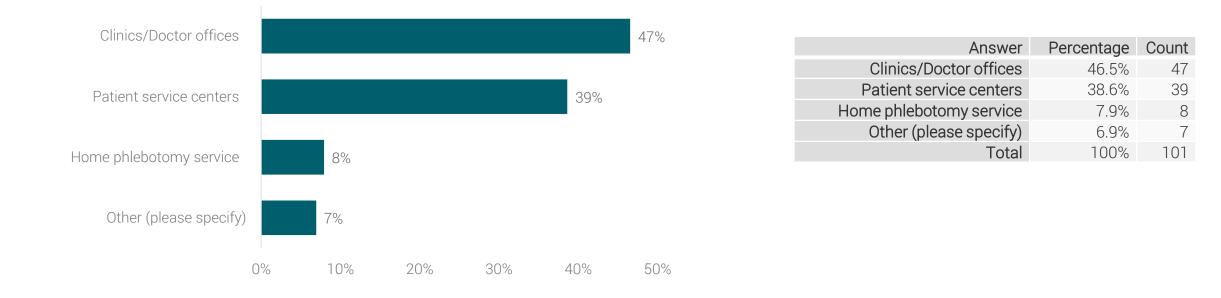
Within your outreach program, how has COVID-19 and the transition to virtual healthcare impacted revenue? Inreach program?



	Outreach		Inreach	
Answer	Percentage	Count	Percentage	Count
No change	15.6%	7	9.8%	4
Less than 25% decrease	11.1%	5	19.5%	8
25% - 50% decrease	28.9%	13	22.0%	9
50% - 75% decrease	8.9%	4	17.1%	7
More than 75% decrease	2.2%	1	0%	0
Don't know	33.3%	15	31.7%	13
Total	100%	45	100%	41

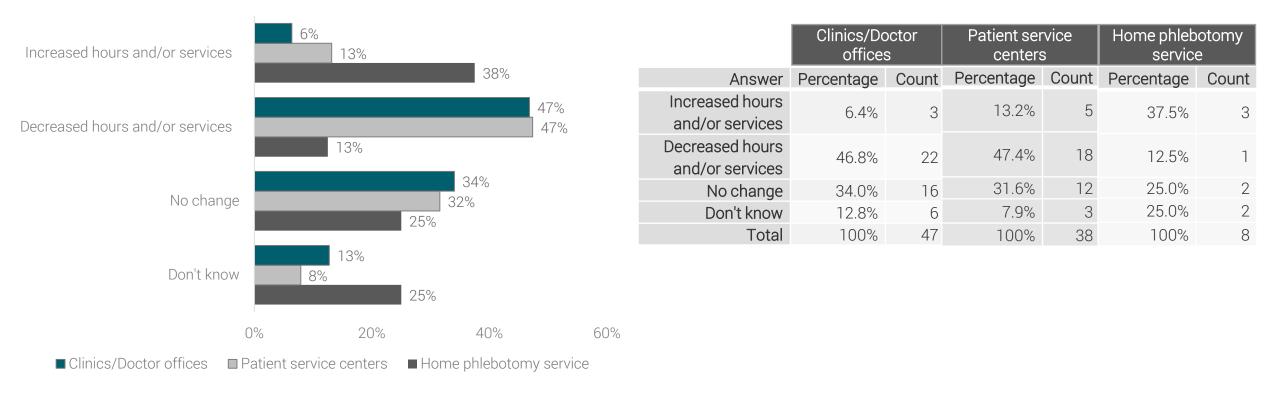


What locations are available for outpatient phlebotomy services in your healthcare system (excluding the hospital setting)? *(Select all that apply)*



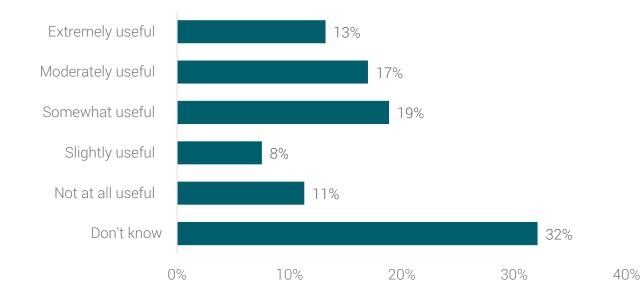


For clinics/doctor offices, how have phlebotomy hours and/or services for non-COVID-19 related testing been impacted? Patient service centers? Home phlebotomy service?





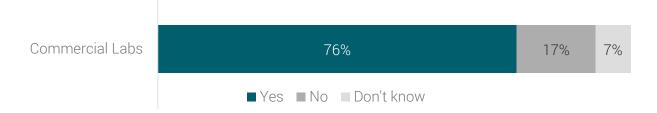
How useful would mobile home phlebotomy be if it were available?



Answer	Percentage	Count
Extremely useful	13.2%	7
Moderately useful	17.0%	9
Somewhat useful	18.9%	10
Slightly useful	7.5%	4
Not at all useful	11.3%	6
Don't know	32.1%	17
Total	100%	53



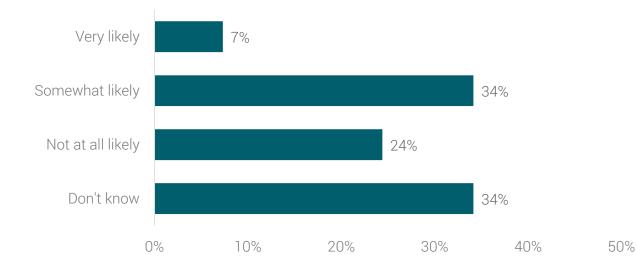
Are there patient service centers from commercial laboratories in your region?



Answer	Percentage	Count
Yes	75.9%	41
No	16.7%	9
Don't know	7.4%	4
Total	100%	54

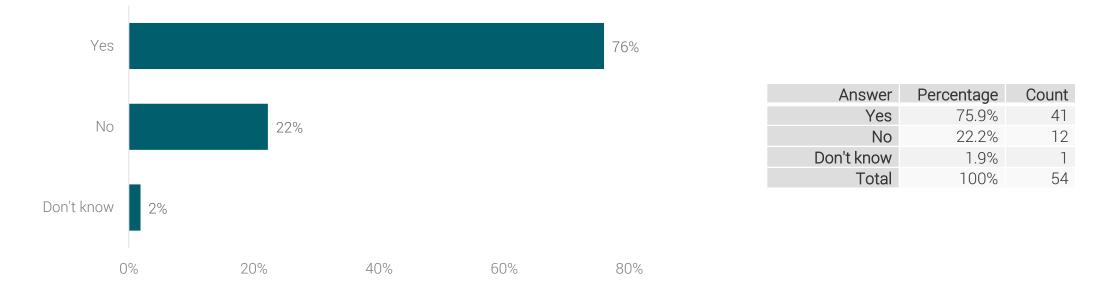
In a transition to telemedicine, how likely is it that some of your patients have gone to these commercial sites for laboratory services instead of your own laboratory?

13



Answer	Percentage	Count
Very likely	7.3%	3
Somewhat likely	34.1%	14
Not at all likely	24.4%	10
Don't know	34.1%	14
Total	100%	41

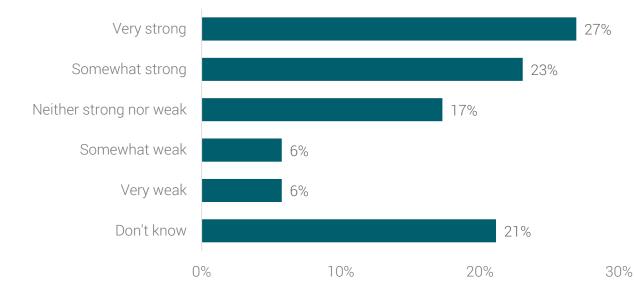
Are outpatient phlebotomy services available in your healthcare system after hours or on weekends?





If you searched online for laboratory services in your area, where would your laboratory appear on the search list?

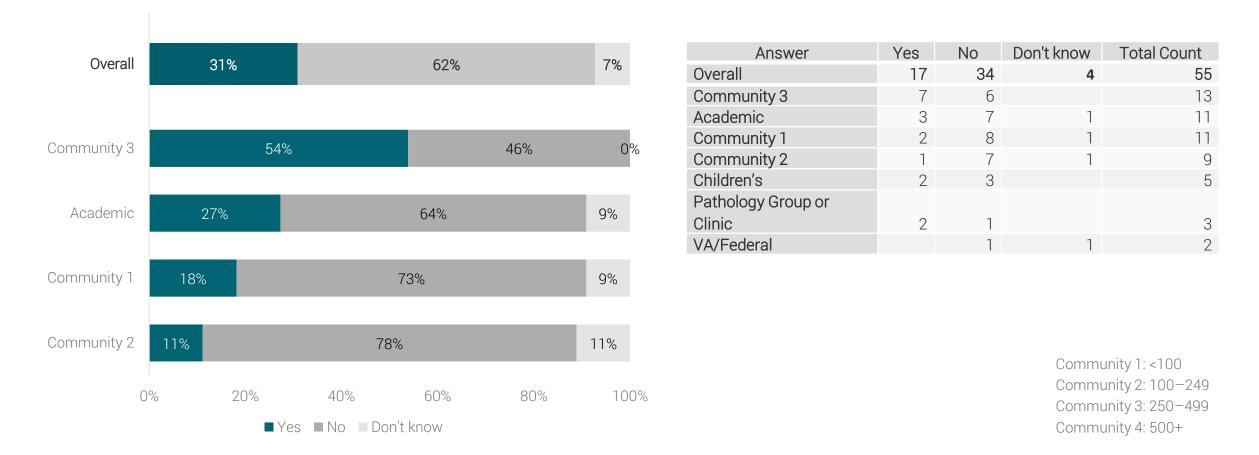
Please rate the strength of your local laboratory's web presence:



Answer	Percentage	Count
Very strong	26.9%	14
Somewhat strong	23.1%	12
Neither strong nor weak	17.3%	9
Somewhat weak	5.8%	3
Very weak	5.8%	3
Don't know	21.2%	11
Total	100%	52



Do patients in your healthcare system have the ability to schedule phlebotomy appointments online? (Overall & by Facility Type)





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What problems or issues have you or your patients experienced with telemedicine? (Select all that apply)

Count

13

30

12

5

5

7

72

18.1%

41.7%

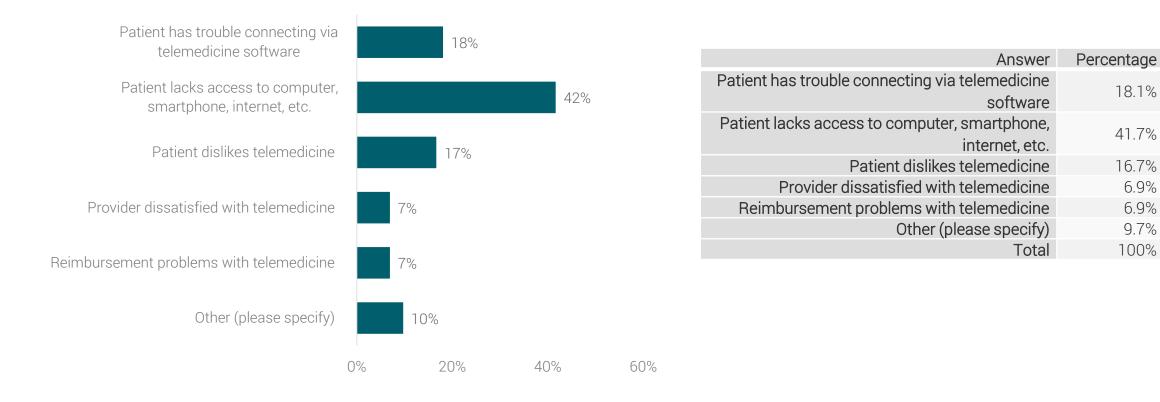
16.7%

6.9%

6.9%

9.7%

100%



Blockbuster versus Netflix



Options for telemedicine patients needing lab tests

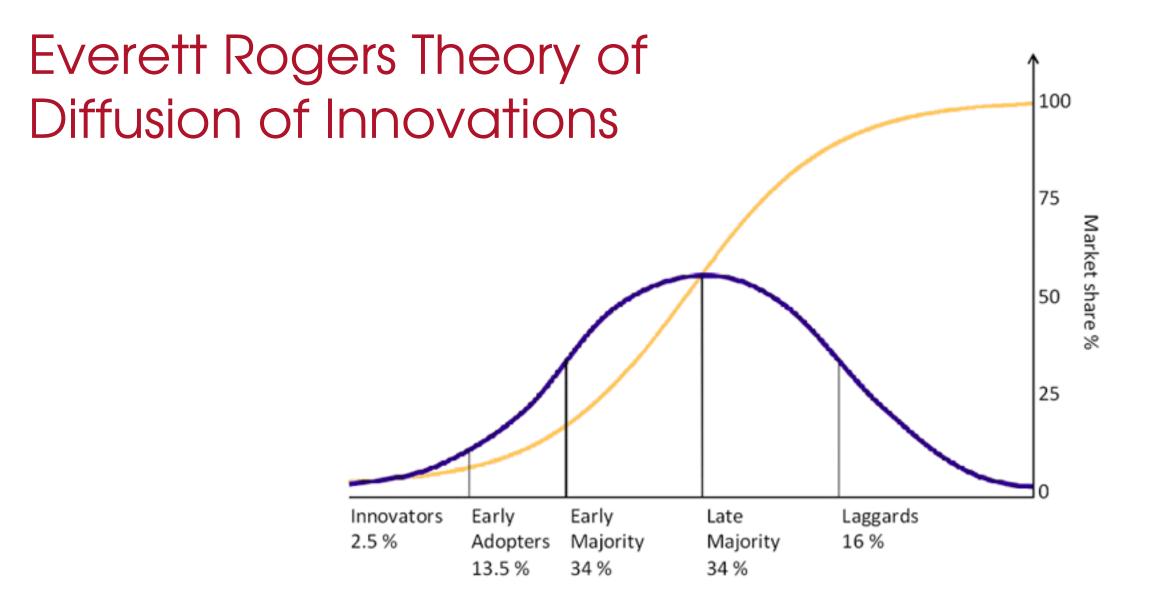
CHALLENGES AND SOLUTIONS



Less Convenient

More Convenient





a brave new world....



Not all heroes wear capes.

ARTPLABORATORIES





A nonprofit enterprise of the University of Utah and its Department of Pathology

https://digital.hbs.edu/platform-digit/submission/blockbuster-its-failure-and-lessons-to-digital-transformers/

https://hbr.org/2011/04/how-i-did-it-blockbusters-former-ceo-on-sparring-with-an-activist-shareholder

https://www.forbes.com/sites/gregsatell/2014/09/05/a-look-back-at-why-blockbuster-really-failed-and-why-itdidnt-have-to/#127ce9401d64

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