

Telemedicine in Oncology

Evolving Treatments for
the Oncology Practice

Denver, CO
September 24, 2022



THE OFFLINE ONCOLOGIST

ONC 18TH IN % WHO GOLF, 29TH IN HANDICAP, 25/30TH IN PLAYTIME

thebmj

Research

Education

News & Views

Campaigns

Research

» Christmas 2018: Time After Time

Golf habits among physicians and surgeons: observational cohort study

BMJ 2018 ;363 doi: <https://doi.org/10.1136/bmj.k4859> (Published 10 December 2018)

Table 1 Golfing practices among US physicians, according to specialty			
Specialty	All physicians		
	Golfers % (No of golfers/ No of physicians)	Average handicap*	Average No of games played in past 6 months
Orthopedic surgery	8.8 (2784/31 529)	14.9	12.9
Urology	8.1 (1021/12 679)	15.8	13.4
Plastic surgery	7.5 (598/8025)	15.8	13.1
Otolaryngology	7.1 (899/12 698)	15.5	13.7
Vascular surgery	6.9 (251/3634)	14.7	15.5
Ophthalmology	6.7 (1489/22 241)	16	13
Thoracic surgery	6.2 (298/4820)	14.8	12.8
Cardiology	5.6 (1749/31 096)	15.6	13.3
(9 more...)			
Oncology	4.6 (294/6364)	17.2	13.1

BMJ 2018;363:k4859



Chartran, peintre. Offert par Mr. Deschamps.
LAËNNEC, A L'HOPITAL NECKER, AUSCULTE UN PHTISIQUE
DEVANT SES ÉLÈVES (1816)
Paris-Normandie

“

*Has the telephone ever been tried in auscultation
and would it offer any advantages over the
stethoscope?*

- A. B. M.

The Lancet, 9 February 1878

RADIO NEWS

25 Cents

April

1924

Over 200 Illustrations

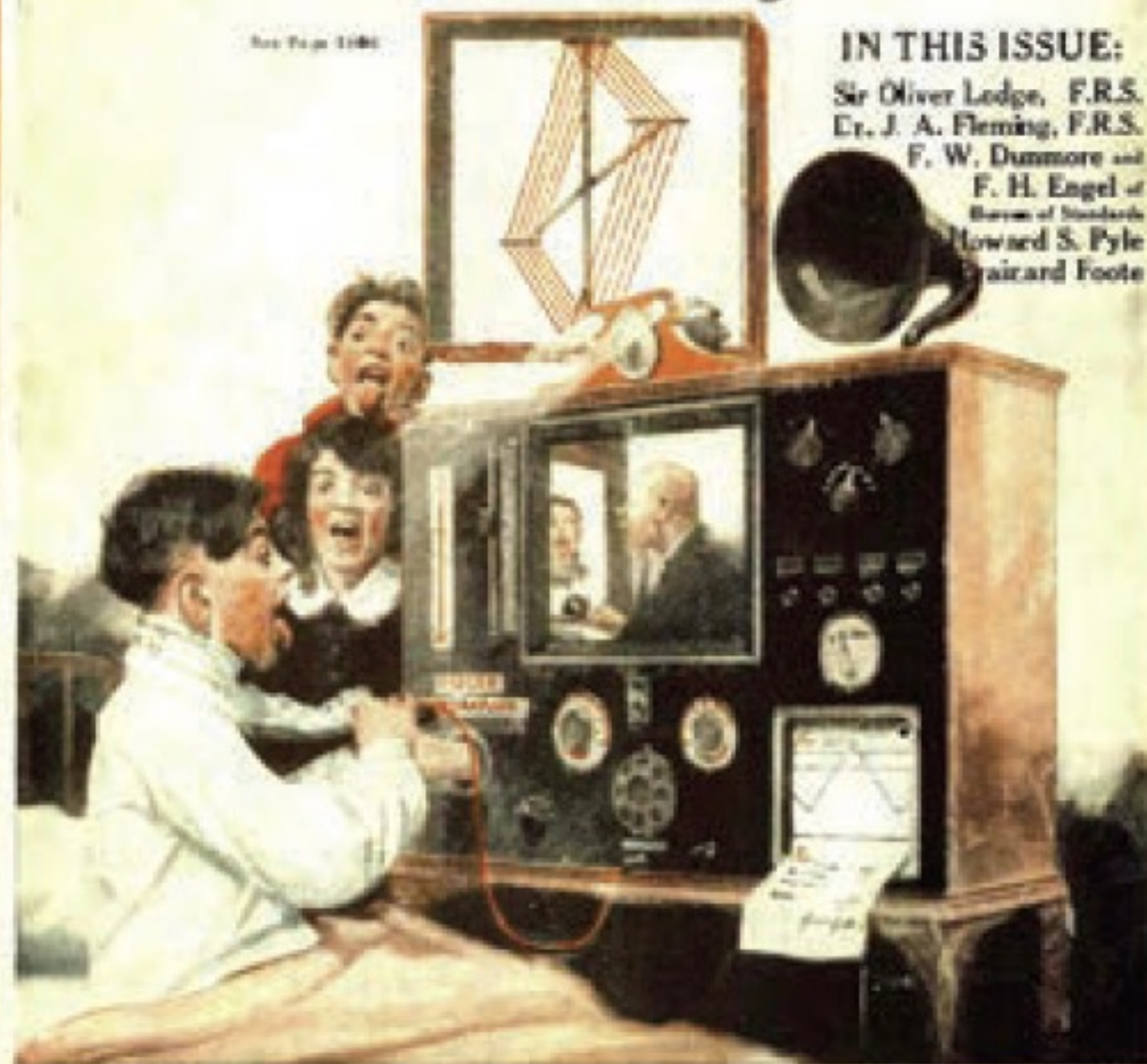
Edited by H. GERNSBACH

THE RADIO DOCTOR—*Maybe!*

See Page 1180

IN THIS ISSUE:

Sir Oliver Lodge, F.R.S.
Dr. J. A. Fleming, F.R.S.
F. W. Dunmore and
F. H. Engel of
Bureau of Standards
Howard S. Pyle
Fairard Foote



THE 100% RADIO MAGAZINE

VIDEO

CONFERENCING

AT&T PICTUREPHONE MOD II
JUNE 30, 1970



“

*There are generations where nothing happens.
There are decades where nothing happens. And
there are weeks where decades happen...*

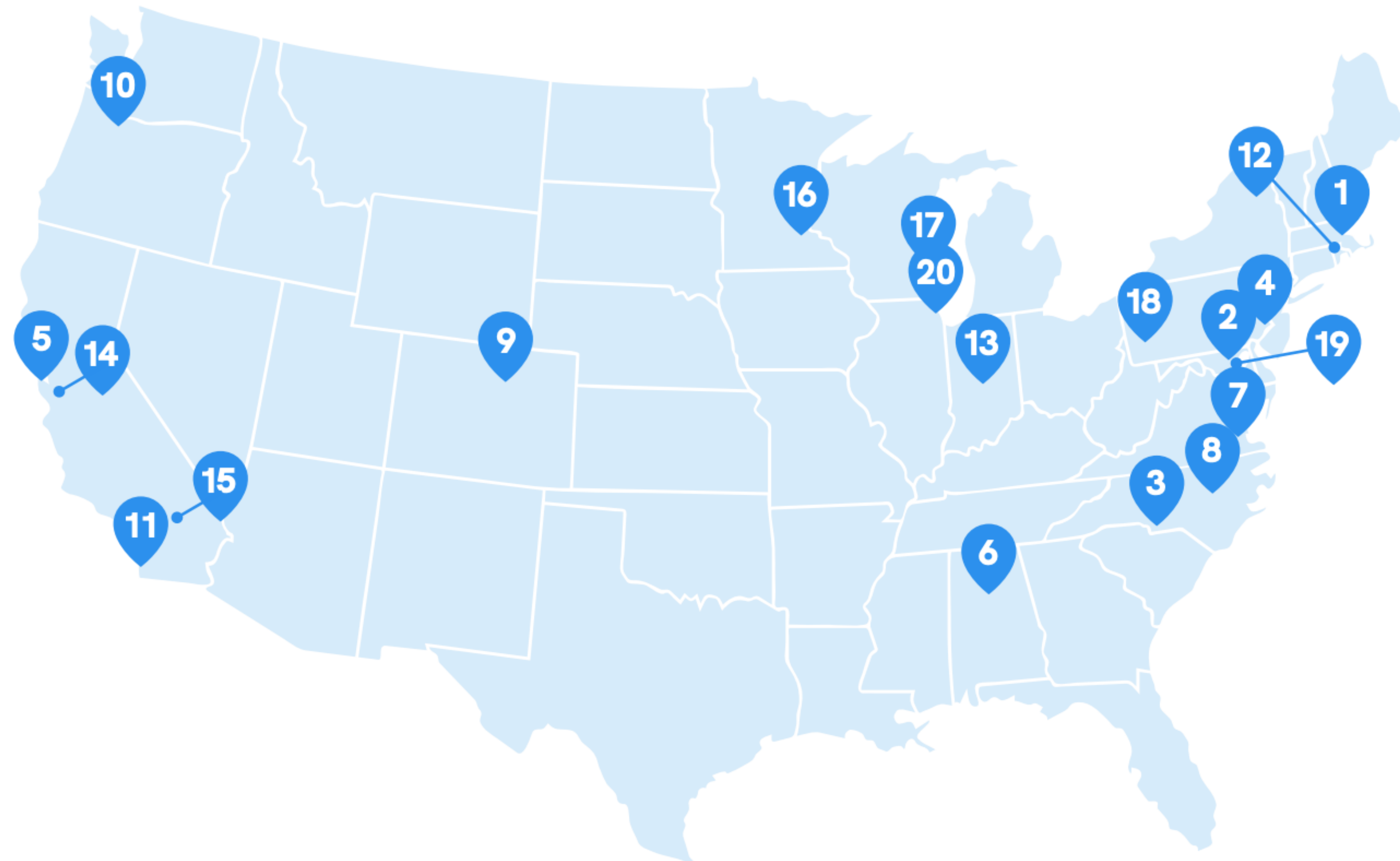
- Vladimir Lenin
(attributed)



Physician Adoption of Telemedicine

Telemedicine Adoption by Metro Area

The top metro areas are distributed widely across the U.S.



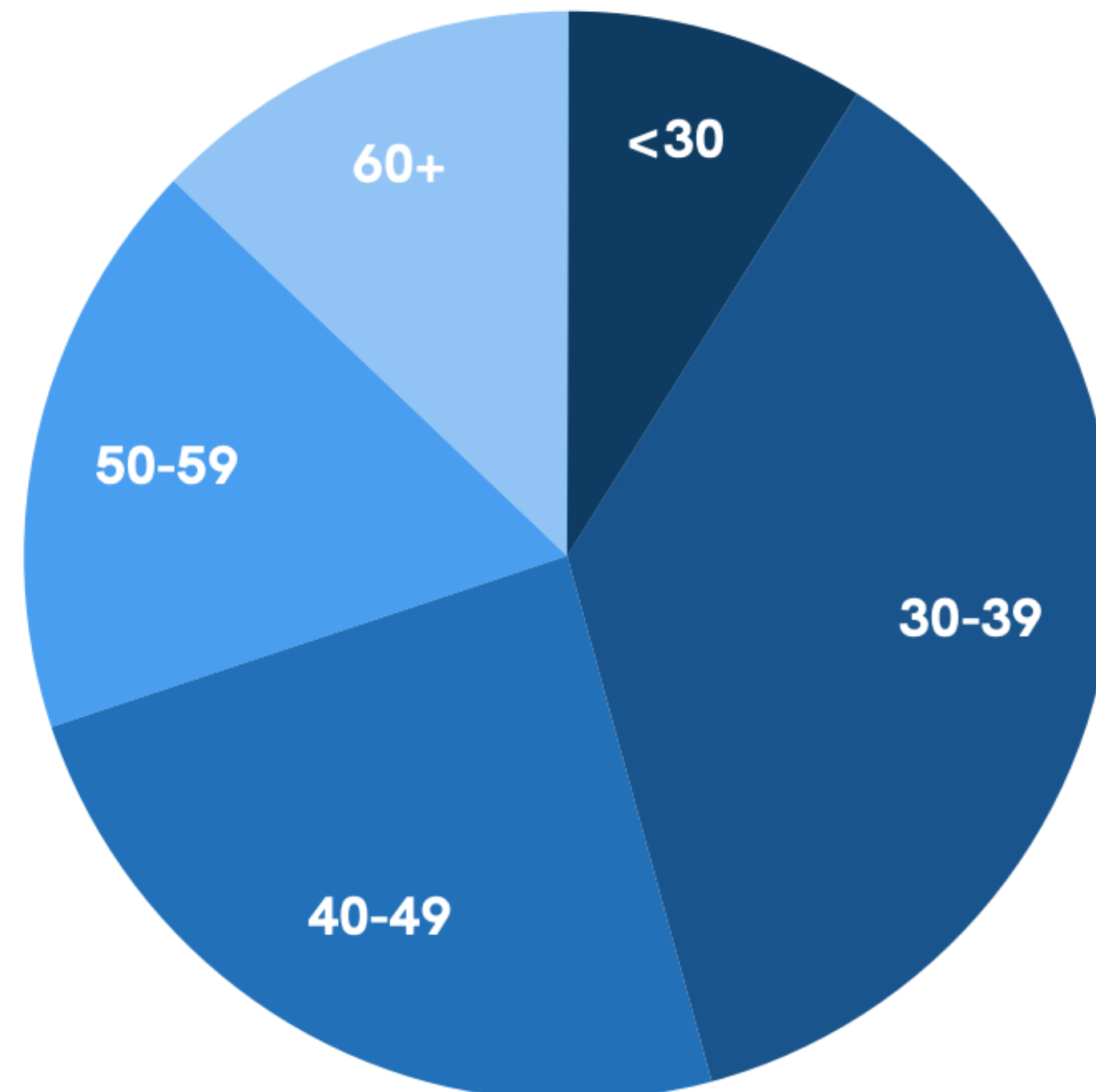
Metro Areas with Highest Telemedicine Adoption Rates

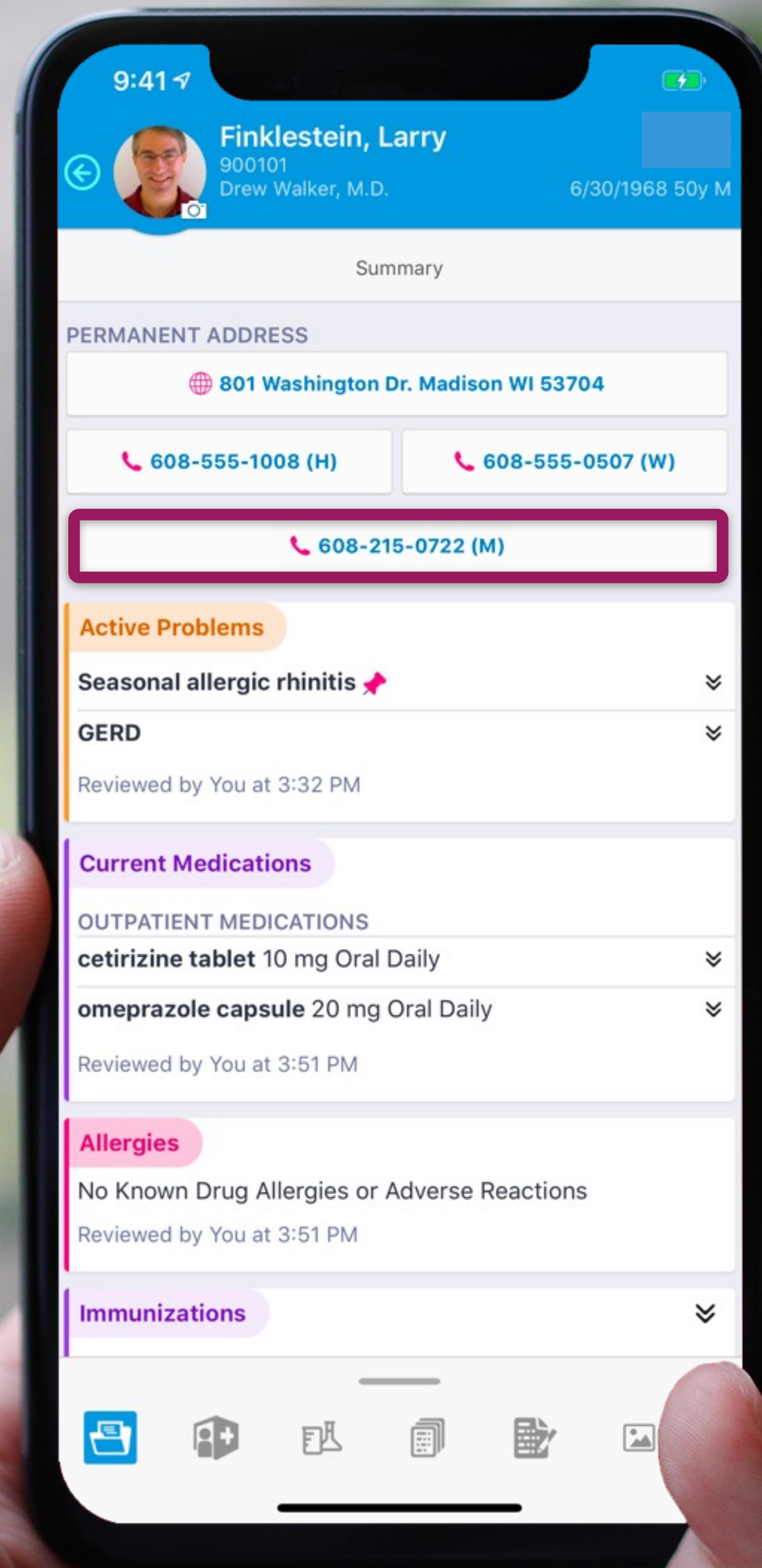
1. Boston, MA
2. Baltimore, MD
3. Charlotte, NC
4. Philadelphia, PA
5. San Francisco, CA
6. Birmingham, AL
7. Richmond, VA
8. Raleigh, NC
9. Denver, CO
10. Portland, OR
11. San Deigo, CA
12. Providence, RI
13. Indianapolis, IN
14. San Jose, CA
15. Riverside, CA
16. Minneapolis, MN
17. Milwaukee, WI
18. Pittsburgh, PA
19. Washington, DC
20. Chicago, IL

Telemedicine Adoption by Physician Age

Physicians of all ages use telemedicine

Telemedicine adoption was strong across all physician age groups, beginning with training and extending to retirement. This contrasts with other categories of mobile video technologies that often see early adoption over-weighted in younger demographics. One explanation could be that the onset of the pandemic drove adoption of telemedicine among physicians of all ages as they adapted their practice workflows.

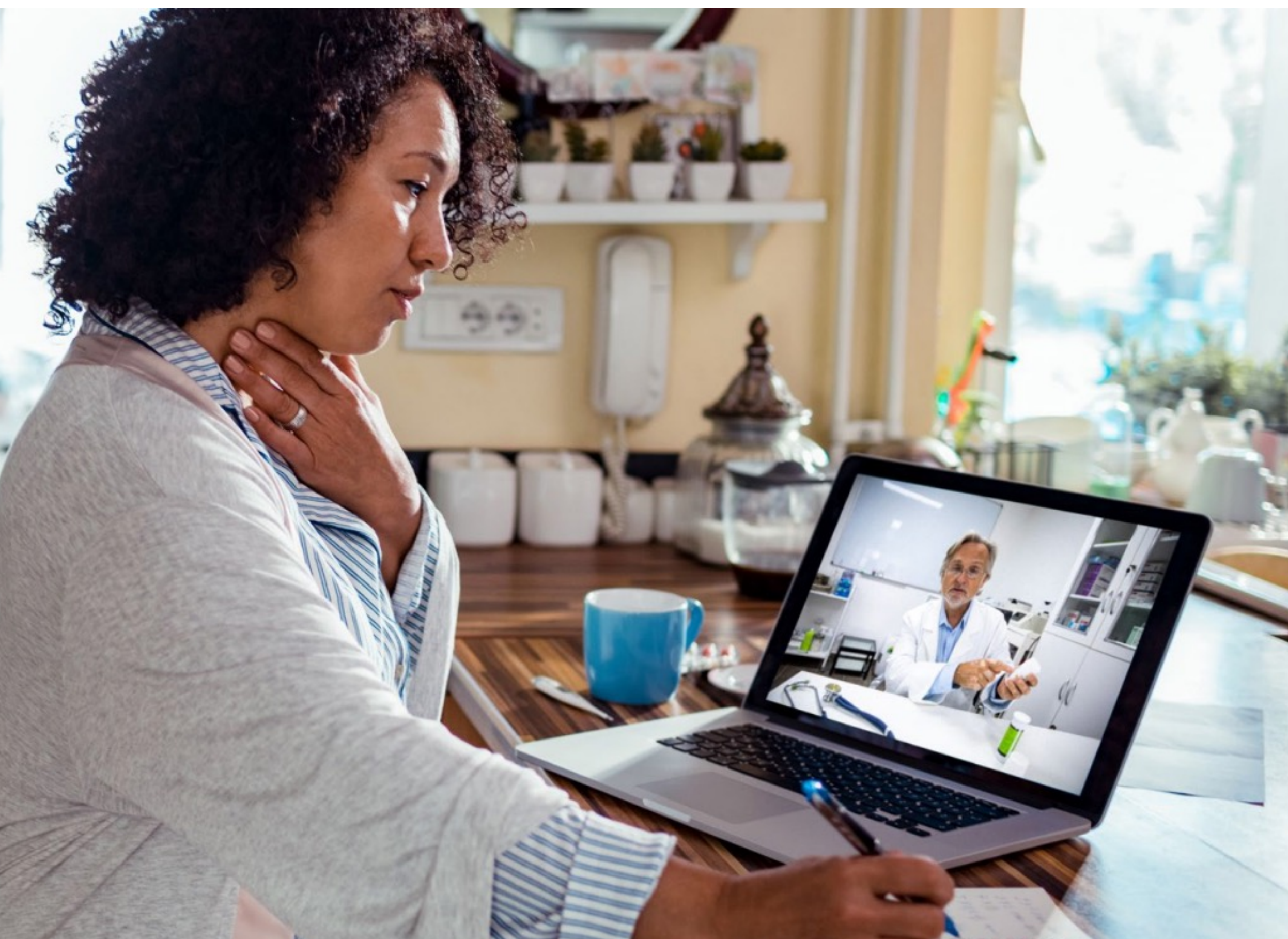




Telemedicine Adoption by Specialty

Adoption of telemedicine is highest in specialties that manage chronic illness

Specialties that have a high proportion of patients with chronic illness tended to have a higher adoption of telemedicine among physicians. This may be because telemedicine can help facilitate continuity of care, allowing a patient to have followup visits with the same specialist that knows them well. Additionally, treating long-term chronic conditions, such as diabetes or cancer, often requires frequent patient visits that may be adequately and more conveniently addressed via telemedicine.



Top 15 Adult Specialties

- | | |
|-------------------------|-------------------------|
| 1. Endocrinology | 10. Hematology/Oncology |
| 2. Gastroenterology | 11. Family Medicine |
| 3. Rheumatology | 12. Dermatology |
| 4. Urology | 13. Geriatrics |
| 5. Nephrology | 14. Pulmonology |
| 6. Cardiology | 15. Psychiatry |
| 7. Otolaryngology (ENT) | |
| 8. Neurology | |
| 9. Allergy & Immunology | |

Telemedicine & Patient Trust

Over 67% of physicians report telemedicine made it easier to build trust or was the same as in person visits

Among physicians surveyed, over 67% felt that access to telemedicine helped build or maintain trust with patients from historically marginalized communities. One possible explanation is that telemedicine increased patient feelings of safety, providing access to care without the potential infectious exposure risk (and inconvenience) of in-person visits to busy clinical settings. Another factor influencing patient trust may be the ease of including family and other caregivers in a virtual setting, regardless of their physical location.

“

Telemedicine has absolutely increased my patients' trust. Patients are so much more relaxed and receptive when they don't have to worry about traveling, parking, checking in, waiting in a busy waiting room to see me. We can review all of their meds in greater detail as well. They take notes during the appointment, have family members with them, etc.

*Reed Berger, MD
Internal Medicine*

“

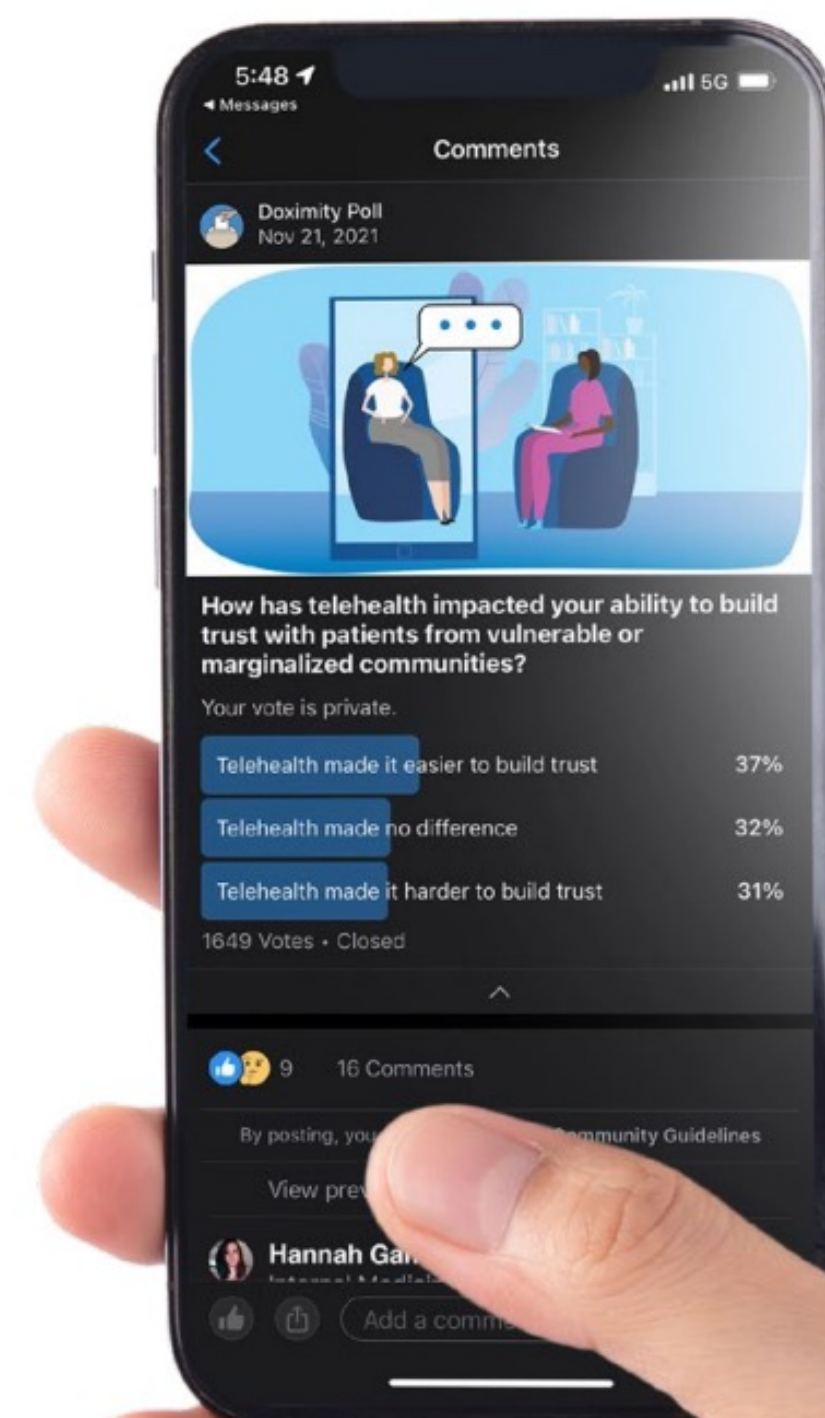
Building trust requires a human connection and genuine empathy/compassion. If we can demonstrate that with our words and time, trust can be built even via video.

*Maulik A. Patel, MD
Geriatrics*

“

I have not seen a huge shift in patient trust with the use of telehealth. I do think that telehealth has broadened the scope of patients willing to seek evaluation by a specialist in vulnerable populations and those who prefer to not enter a clinic/hospital due to concerns with COVID.

*Brian Sullivan, MD
Orthopaedic Surgery*





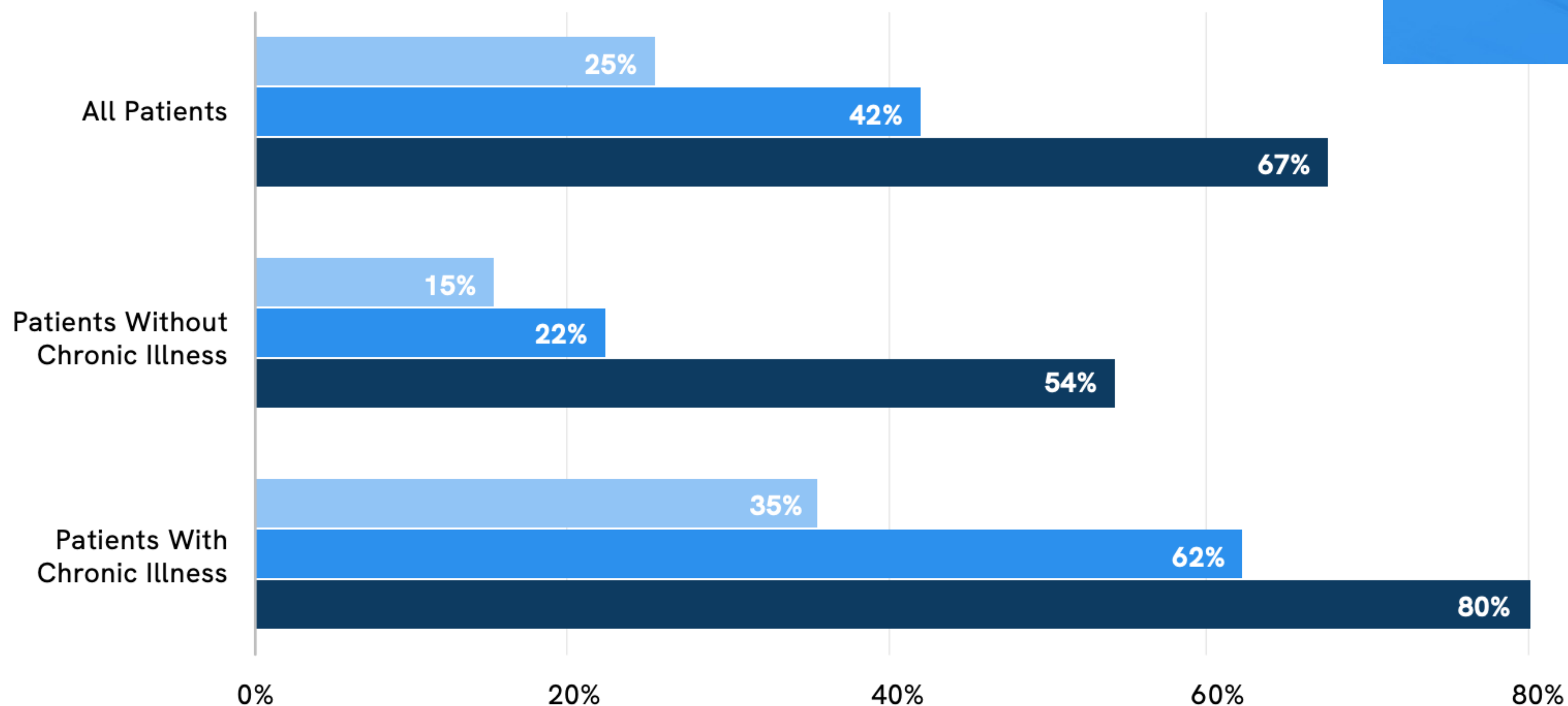
Patient Adoption of Telemedicine

Telemedicine Use Among Patients

Year-over-year trend shows more patients with telemedicine visits

Percentage of Patients that Participated in a Telemedicine Visit at Least Once Annually

● Annually, Pre-Pandemic ● 2020 ● 2021



*We're not going back;
telehealth is now an essential
part of doing the right thing
for our patients, teams
and clinicians.*

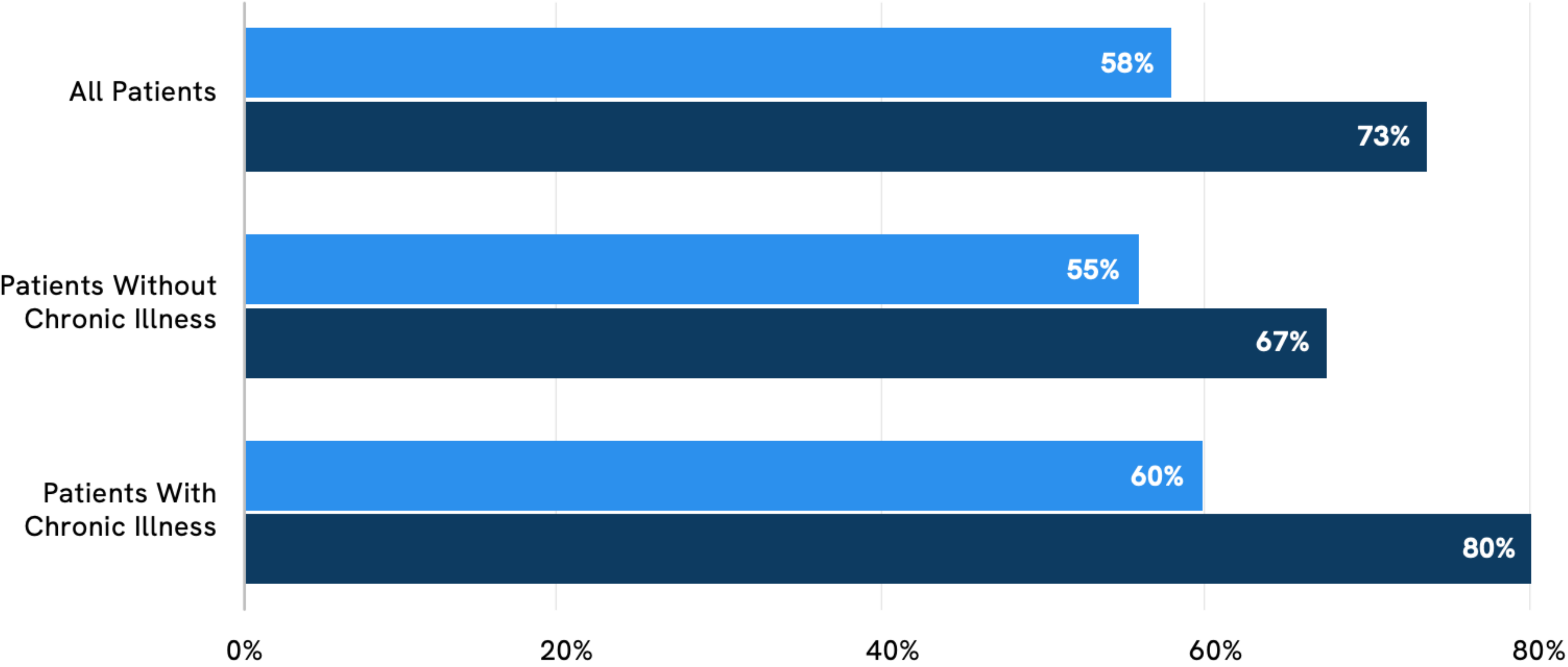
CT Lin, MD
Chief Medical Innovation Officer
UCHealth

The Future of Telemedicine

Nearly three quarters of patients plan to use telemedicine post-pandemic

Percentage of Patients Who Plan to Receive Care Through Telemedicine After the Pandemic

● 2020 ● 2021

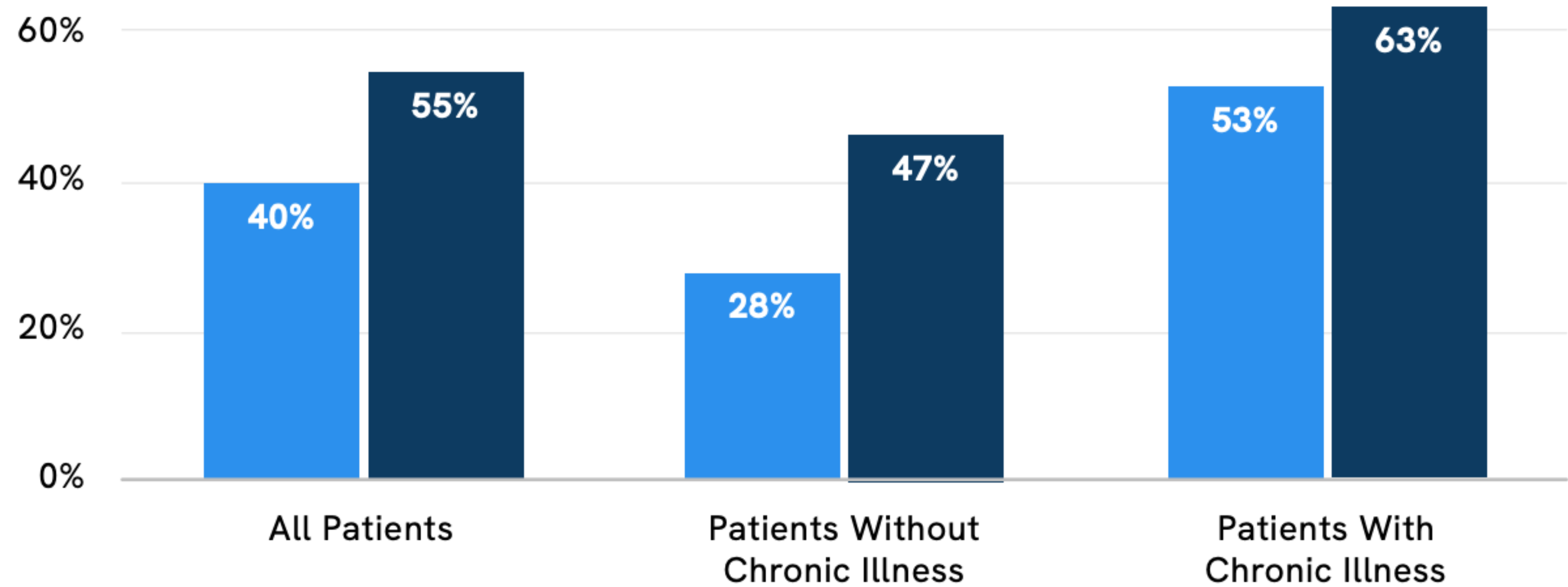


Quality of Care

Majority of patients perceive telemedicine provides equivalent or superior quality of care compared with in-person visits

Percentage of Patients Who Feel Virtual Care Provides Equivalent or Superior Quality of Care Compared With In-Person Visits

2020 2021



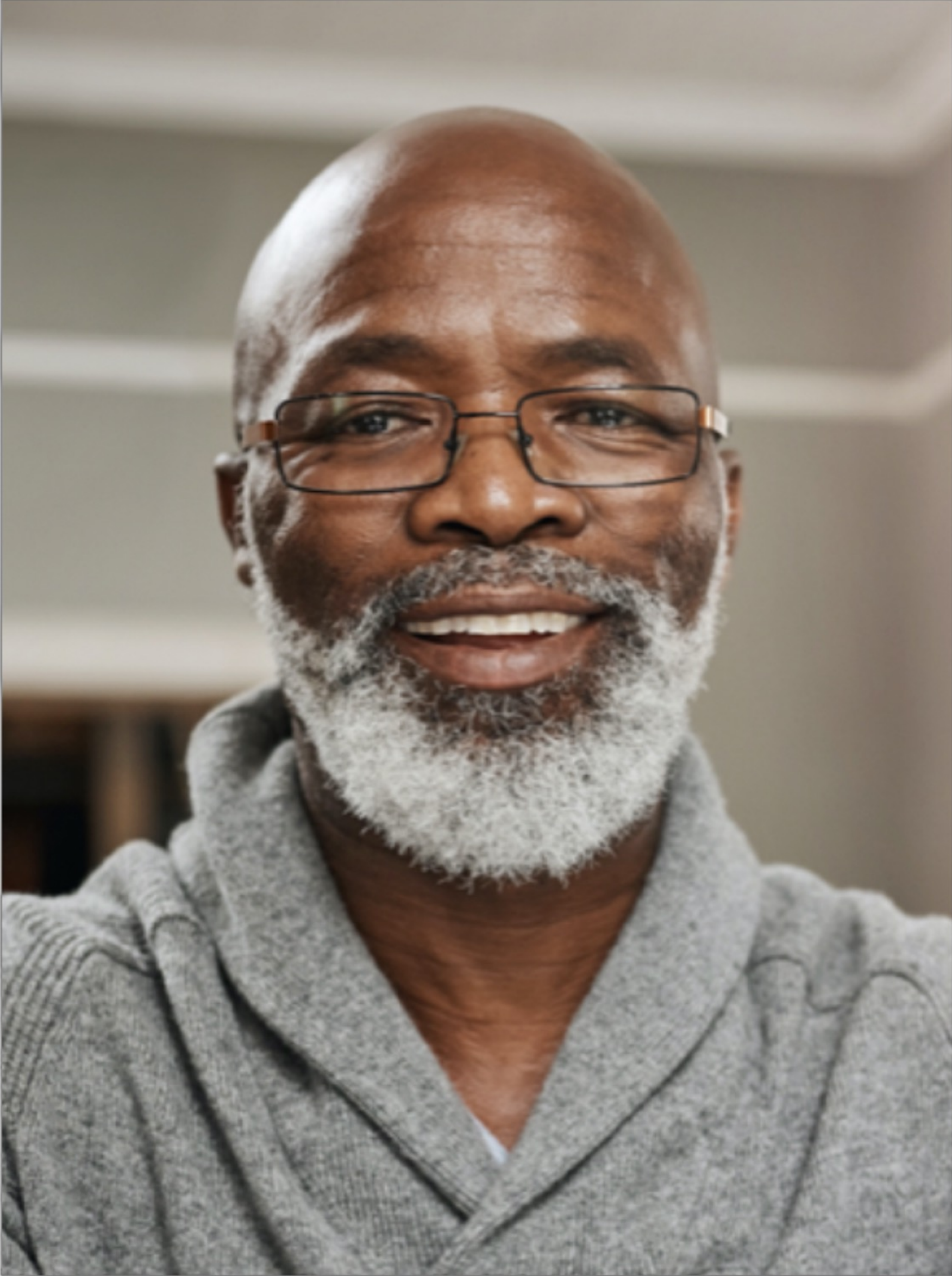
“


Telehealth offers doctors more time with their patients. As a result, I feel less frantic tackling numerous problems and spend more time connecting with patients.

Technology also allows me to share my computer screen, and I often pull up a web browser and show images or videos to enhance their experience. This helps build confidence in the clinician.


Kenneth Tack-Ken Leong, DO, MPH
HIV/AIDs Medicine

http://doximity.com/dialer/video/abc-def-ghi







(415) 123-4567




Share
Entire Screen




Share
Clinical Sidebar




Add
Person




Quick
Handoff





Add
Interpreter



(415) 555-4567



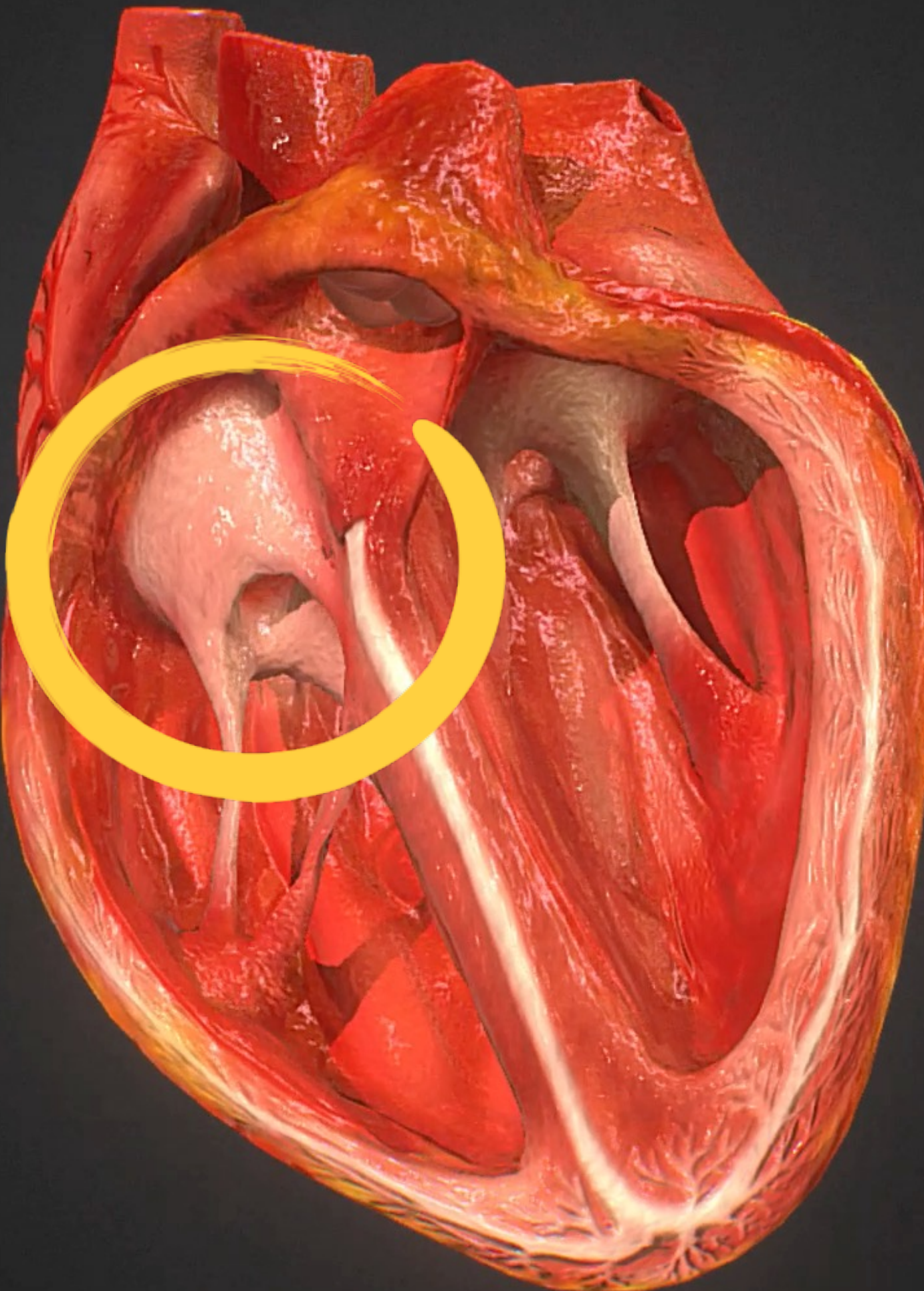




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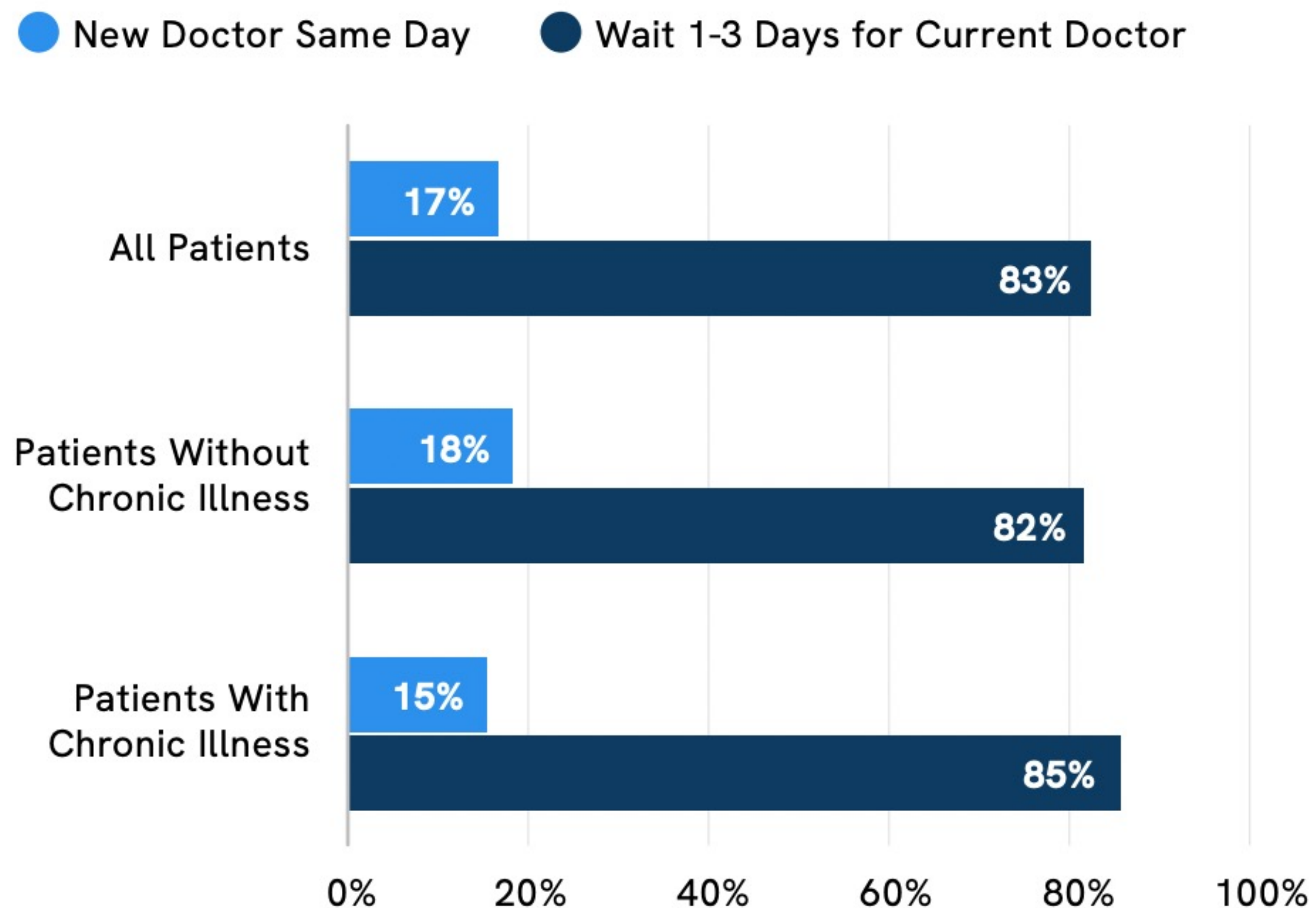
Images



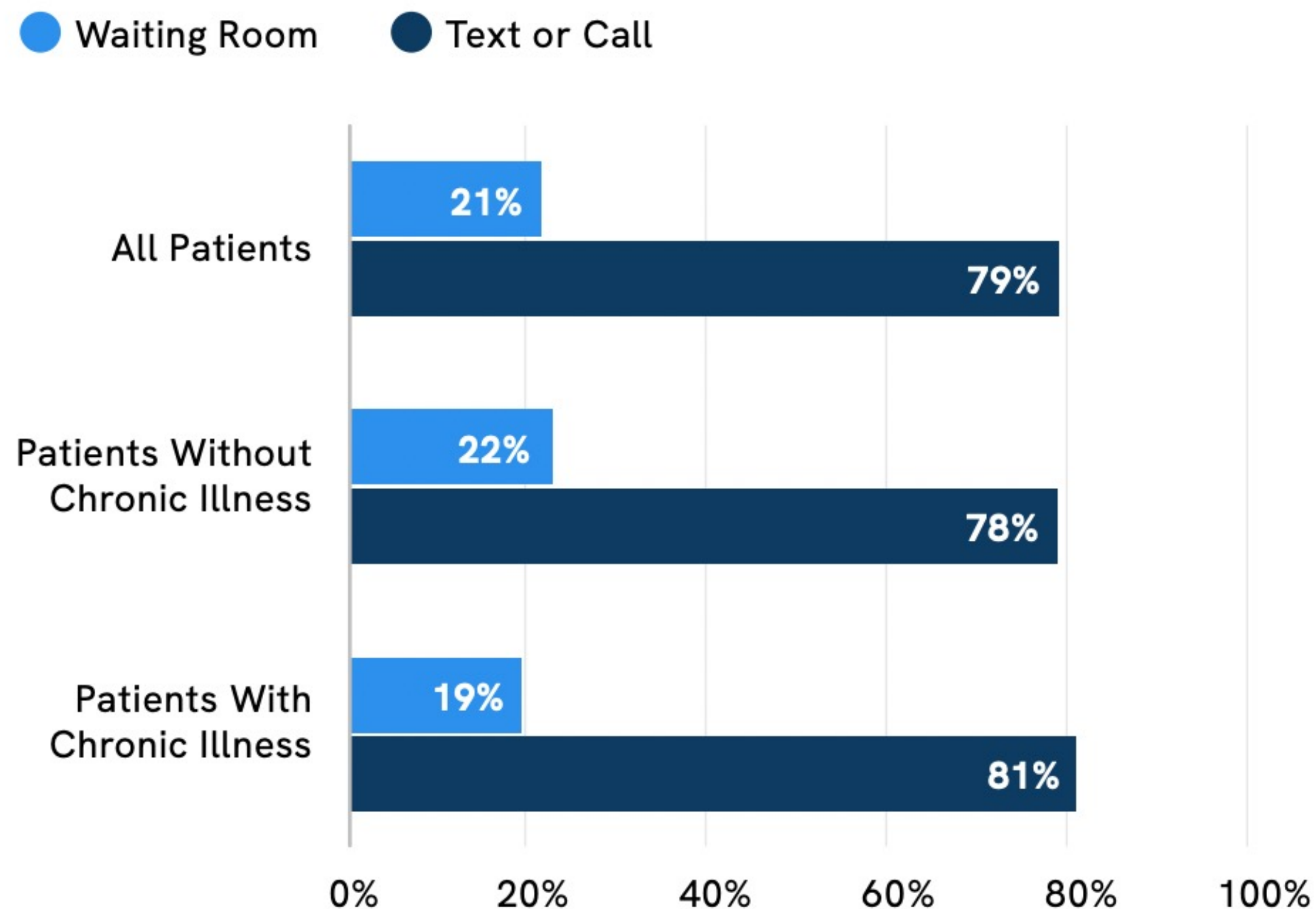
Patient Preferences for Physician Access

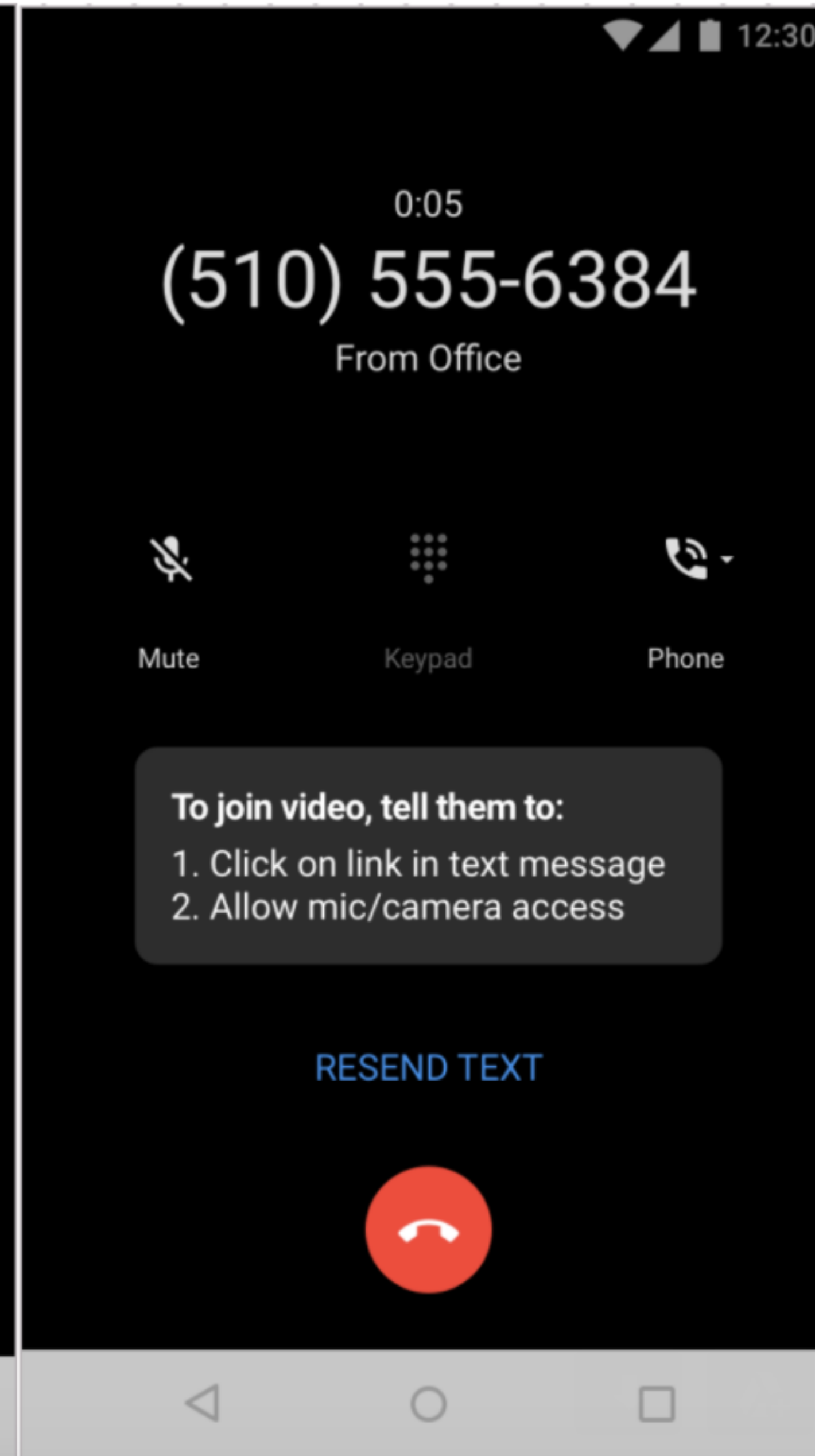
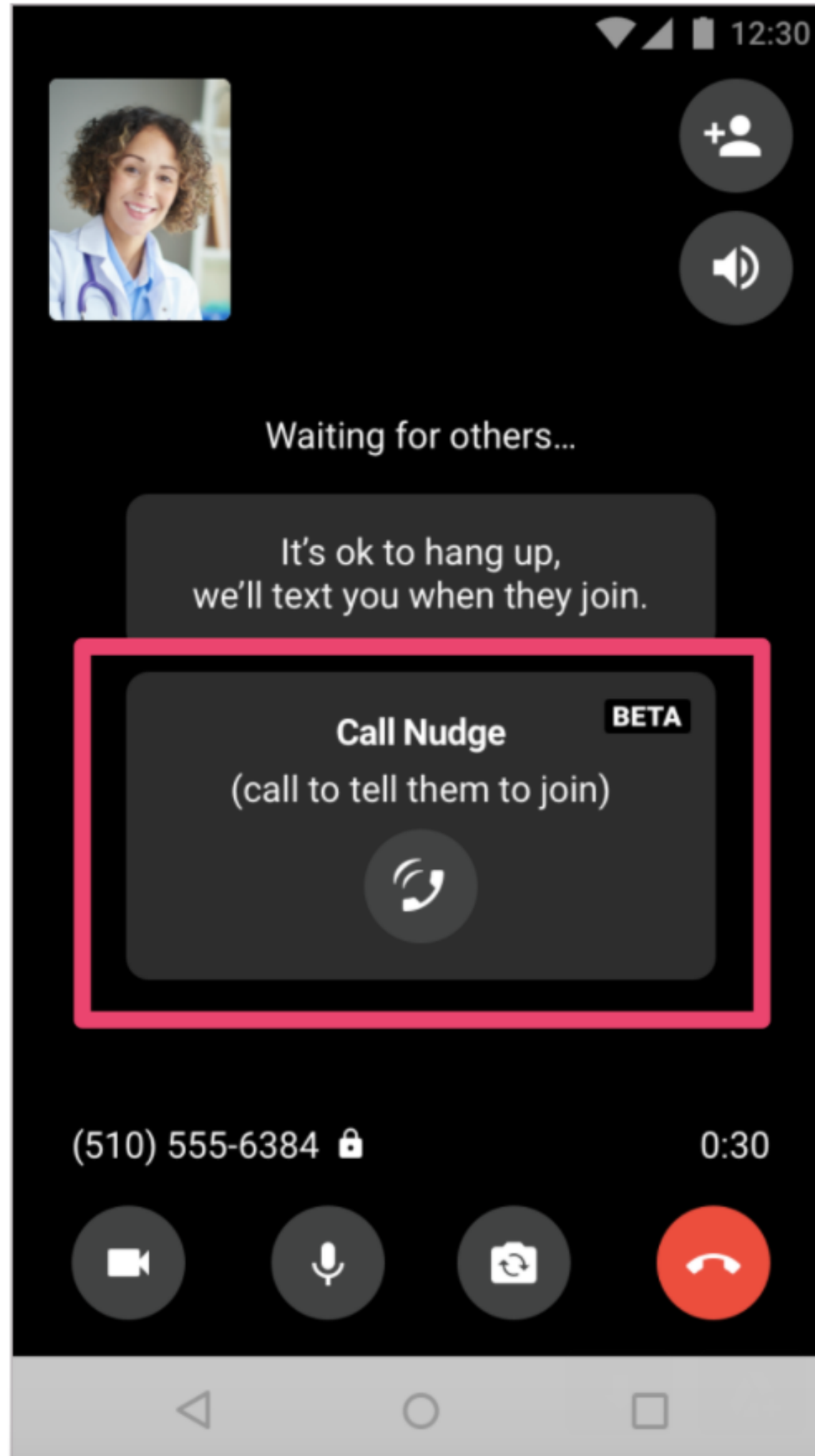
Patients prefer to wait and see their current doctor (but not in a waiting room)

Percentage of Patients Who Prefer to Wait 1-3 Days to See Their Current Doctor Rather than a New Doctor Immediately



Percentage of Patients Who Prefer to be Notified by Text or Call Instead of Waiting in a Virtual Waiting Room

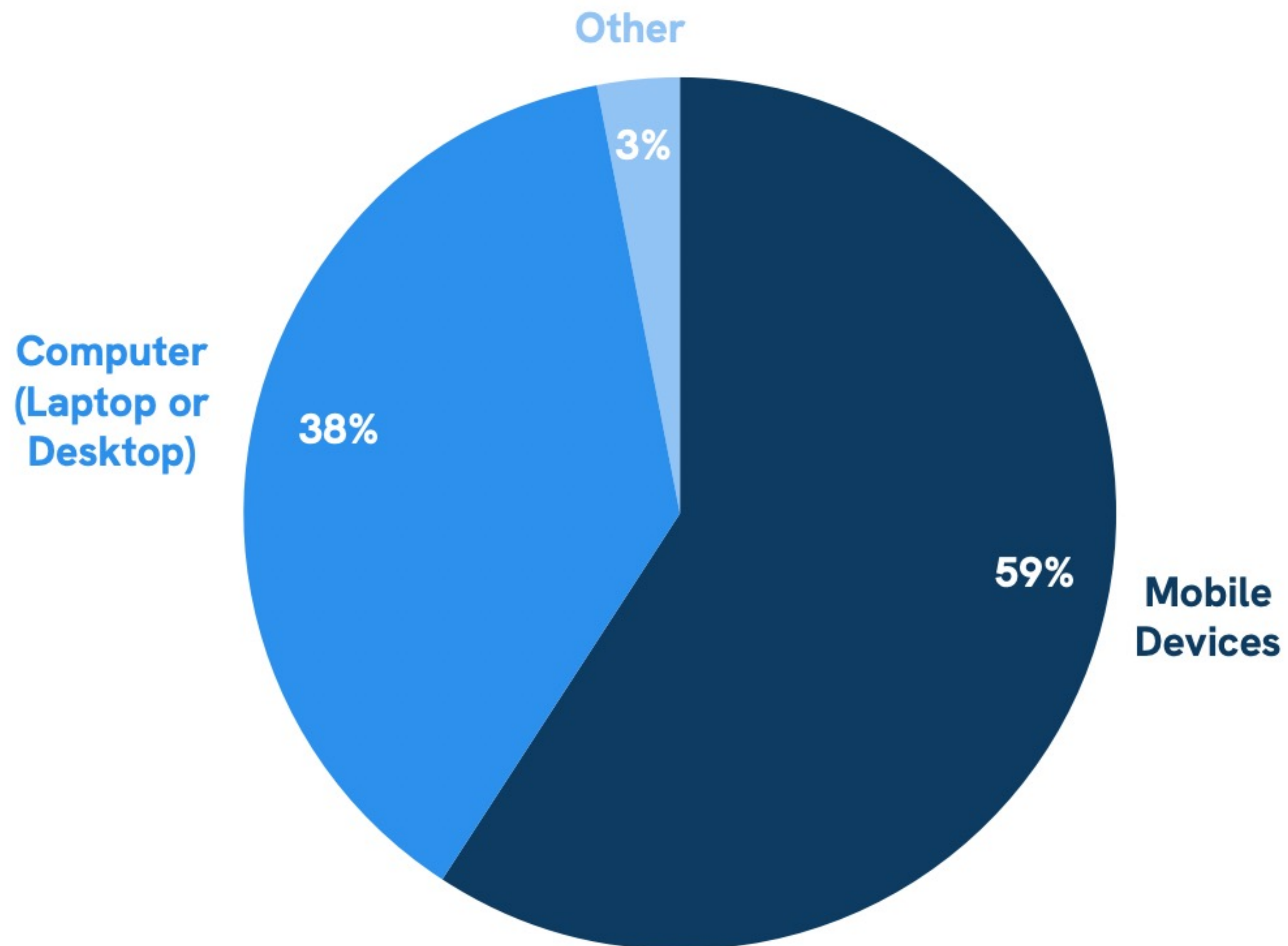




Preferred Device for Telemedicine

Mobile devices are the patient platform of choice

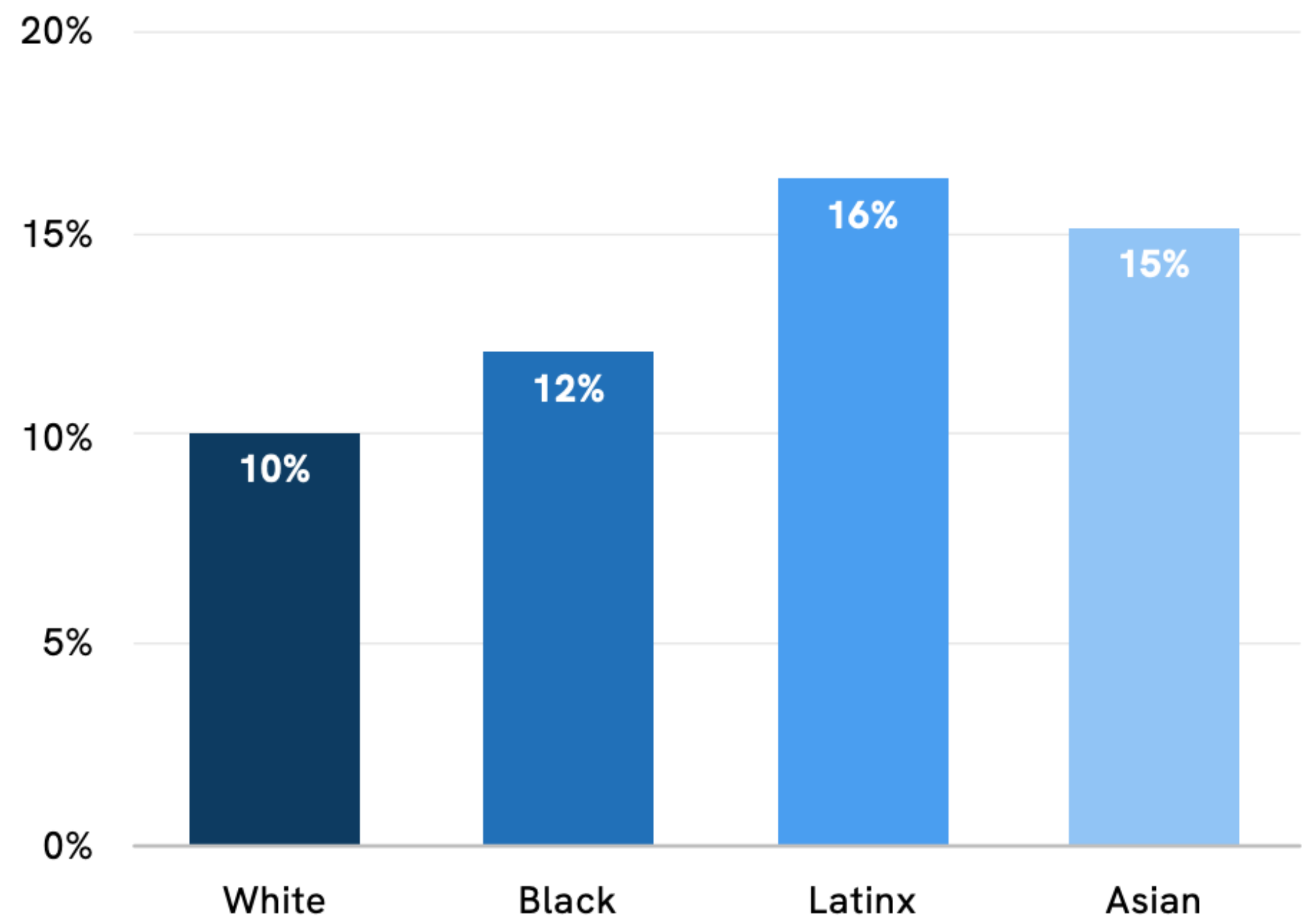
Patient Device Preference for Telemedicine Visits



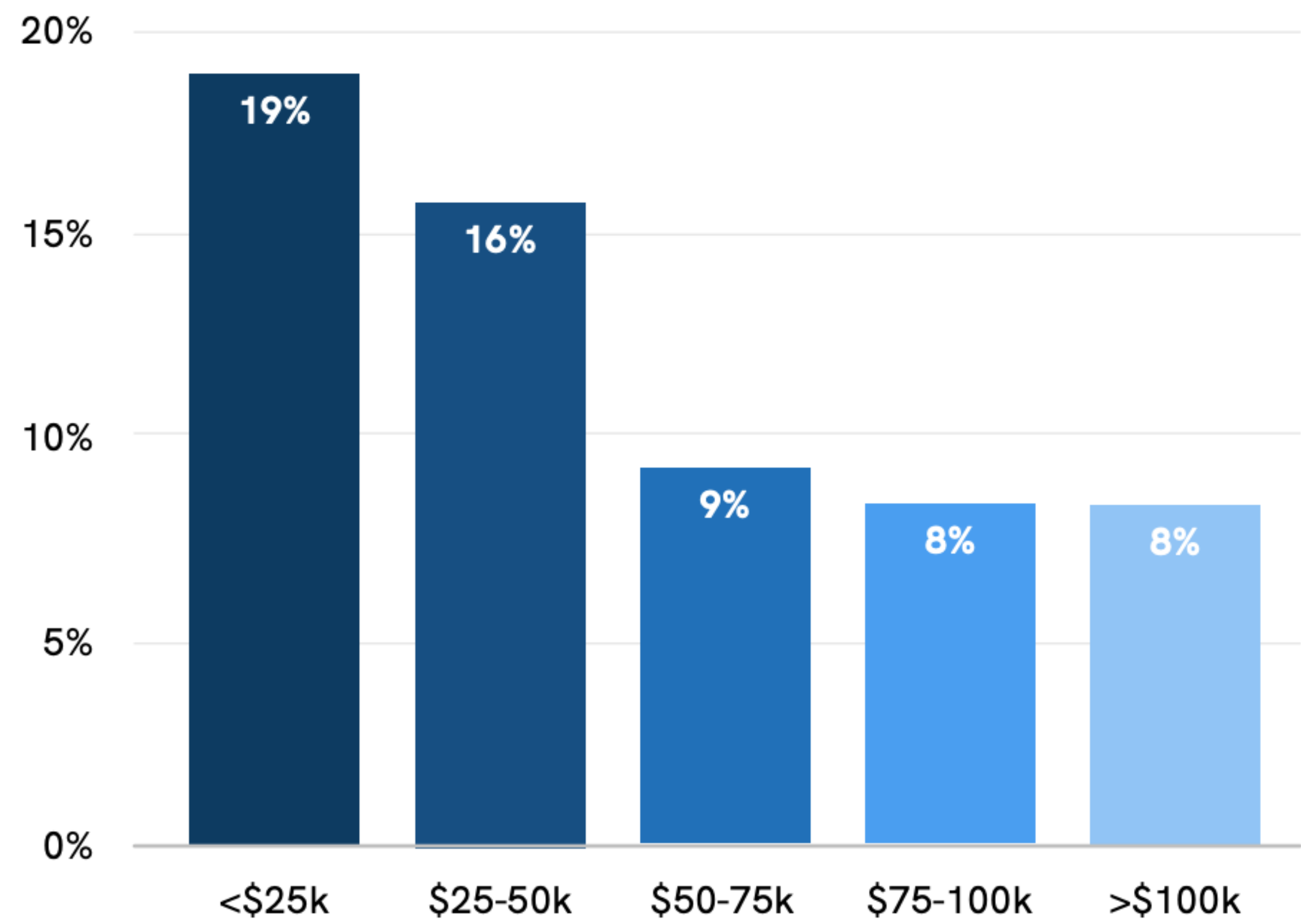
Broadband Access and Health Equity

A significant minority of patients rely on their smartphones for internet access at home

Patients Who Don't Have Broadband Internet at Home by Race/Ethnicity



Patients Who Don't Have Broadband Internet at Home by Income



This person's internet
connection is unstable

 (415) 555-4567 

5:36

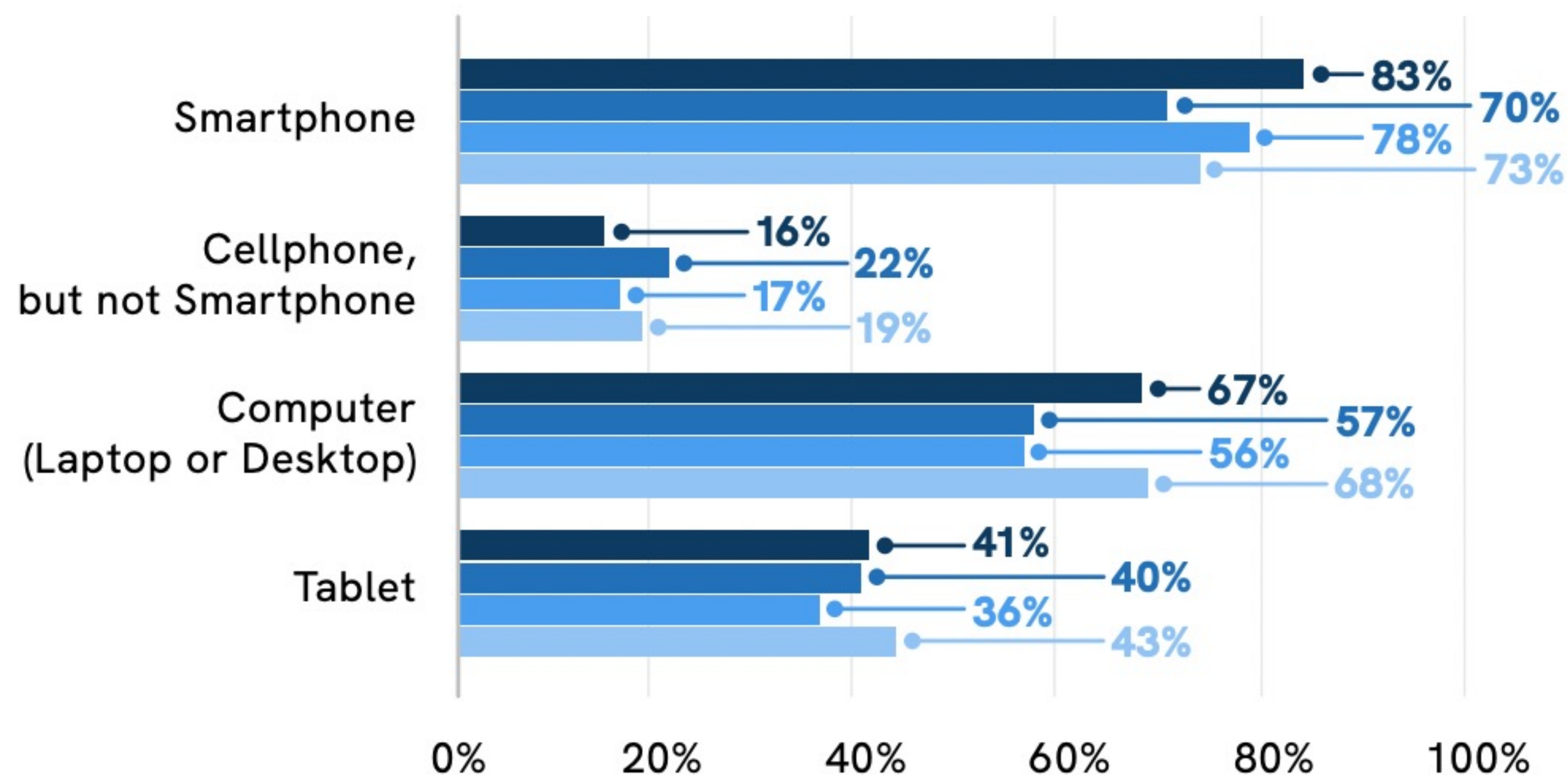


Device Access

Mobile phones, the most accessible device across race/ethnicity

Patient Access to Devices by Race/Ethnicity

● White ● Black ● Latinx ● Asian





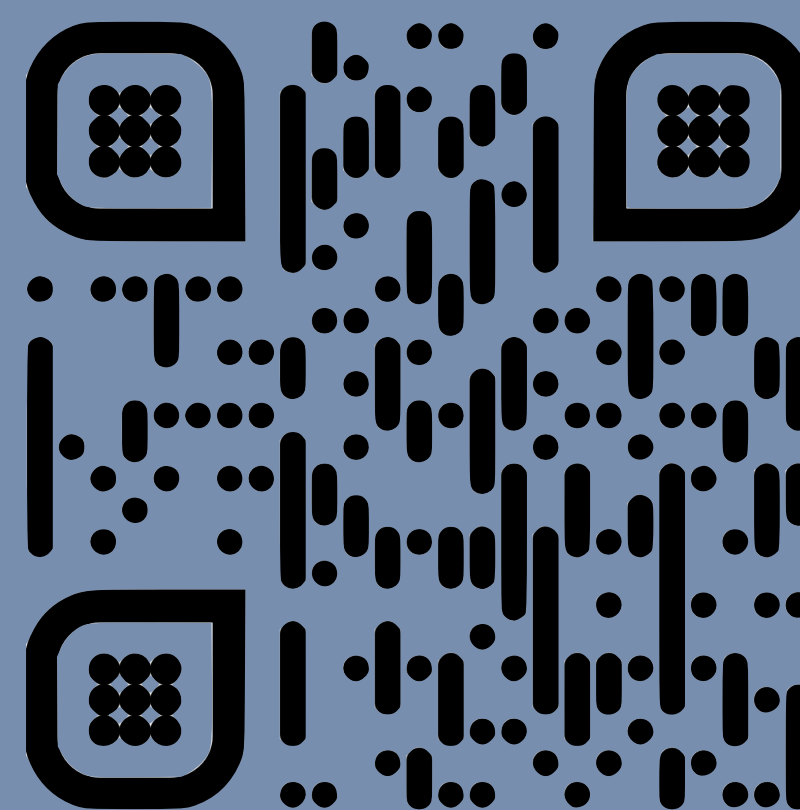
 Charlotte Grinberg, MD

**This Phone Has Become More Precious
Than My Stethoscope**



“ *Listen to your patient; he is
telling you the diagnosis*

- Sir William Osler



nate@doximity.com

