

Investment is pouring

into XR technology.

expert and novice users.



Military and defense

Tourism

Other

XR Healthcare Investment is Being Fueled By

Rising demand

surgeries

for cardiovascular

Increasing

demand for

surgeries⁷⁸

robotic surgeries

instead of bypass

4%

Reduced recovery

times with these

technologies

COVID-19 is fueling image-guided

and robotic surgery markets.

By 2032, there will be an estimated shortage of 14,300 to 23,400 surgical specialists.

Improvement in the

skills of trainees

learning surgical

procedures using

13% Commercial real estate/construction

Residential real estate/virtual showings



By 2022, 35% to 45% of ORs across the world will become integrated ORs.

technology-powered, infection-free and sleek surgical environment. The new-age OR will be able to utilize intelligent and efficient delivery options to improve the precision

robotic-assisted surgery devices (RASD), which will greatly help drive the \$4.50 billion USD and EU5 hospital OR products and solutions market toward \$7.04 billion by 2022.9

patients and physicians alike.

53% of U.S. healthcare

practitioners now use telemedicine due to

COVID-19 has significantly accelerated

the adoption of telehealth services by

The operating room (OR) is transforming from a seemingly simple box into a

and predictability of the services offered. This can be made possible through

Orthopedic

Surgery

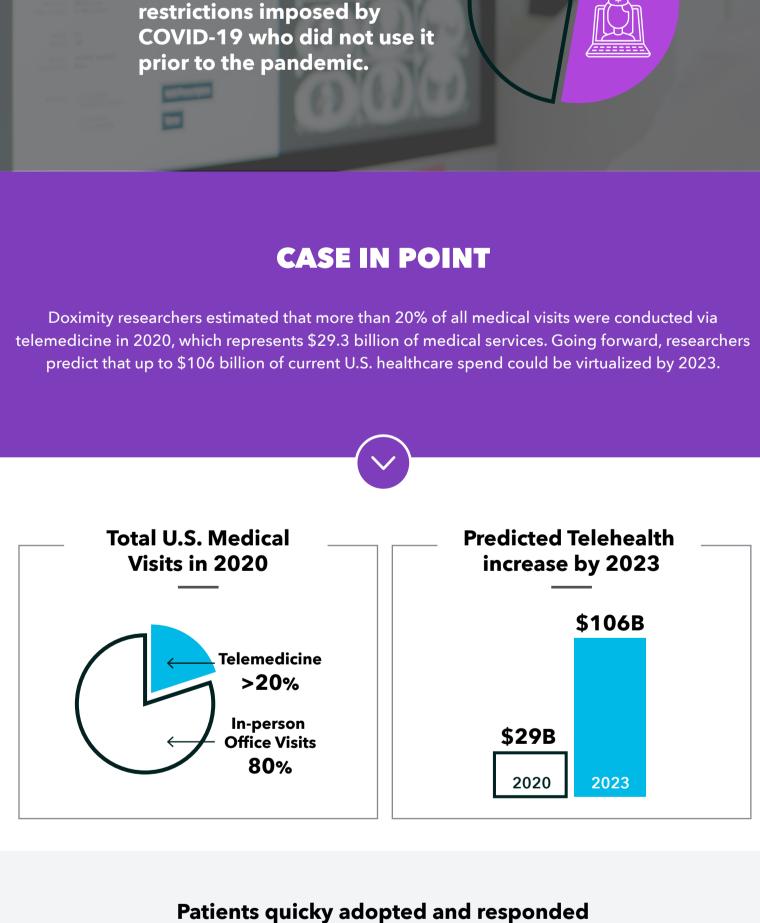
General

Surgery

surgeons by 2032

elective surgeries

Current events like COVID-19 leading to a huge backlog of



to using telemedicine services.

Top 10 Specialties using Telemedicine

Rheumatology

Endocrinology

COVID-19 Ushers in More

Connected Patients, New

wearables are increasing due

and improvements in efficiency

Q: Prior to the pandemic, how

many of your healthcare

via telehealth annually?

6

Preferences.

U.S. consumers' use of

and convenience. 10 11

to health conscientiousness

Use of wearables increased from 9% to > 33% from 2015 to 2019

Healthcare devices

made up 64.3% of

the wearables

market

Neurology

visits had been conducted

1+ Times

>14%

Never

86%

lematolog Oncology

Gastroenterology

Nephrology

8

Geriatrics

10



9%

2015

2019

Touchless

technologies are prefered by consumers

due to the pandemic.

Whether the requirement is building and deploying 70+ manufacturing

Source:

training, remote guidance and assistance.

9 https://go.frost.com/NA_PR_TH_MFernandez_MDD8_Operating_Jul19

NCGS°

About CGS

processes training courses for one of the top three largest pharmaceutical companies in the world or supporting surgeons and global sales staff with rapid response training on equipment for emergency preparedness, CGS can help.

Quality and speed are essential to meeting new expectations in efficiency and agility from customers, staff, patients, and suppliers. CGS supports and scales

instructional design of medical content and AR-Enabled solutions for global

learning needs around onboarding, compliance, content development,

- Learn more
- 2 https://ww2.frost.com/news/integrated-operating-rooms-grow-exponentially-virtual-reality-artificial-intelligence/, Frost & Sullivan, Analysis of the US and EU5 Hospital Operating Room (OR) Products and Solutions Market, Forecast to 2022 3 https://www.idc.com/getdoc.jsp?containerId=US45718319, IDC's Commercial Augmented Reality Survey, 2019 4 https://www.idc.com/getdoc.jsp?containerId=US45718319, IDC's Commercial Augmented Reality Survey, 2019 $5\ https://www.goldmansachs.com/insights/pages/technology-driving-innovation-folder/virtual-and-augmented-reality/report.pdf$ 6 https://www.perkinscoie.com/images/content/2/3/231654/2020-AR-VR-Survey-v3.pdf 7 https://www.businesswire.com/news/home/20200810005360/en/Global-Outlook-for-Augmented-Reality-Virtual-Reality-in-the-Healthcare Market-2020-2025---ResearchAndMarkets.com $8 \quad \underline{https://www.aamc.org/news-insights/desperately-seeking-surgeons\#: -: text=Vascular \%20 surgeons \%20 are \%20 not \%20 the \underline{,} 23\% 2C400\%20$

 $10\ \underline{https://www.prnewswire.com/news-releases/wearable-healthcare-devices-market-worth-46-6-billion-by-2025--exclusive-report-by-repo$

11 https://www.medgadget.com/2020/04/medical-wearable-market-share-current-trends-and-research-development-report-to-2025.html #:~:text=From%202015%20to%202019%2C%20U.S,Medical%20Wearable%20in%20this%20region.

1 https://www.accenture.com/us-en/insights/technology/responsible-immersive-technologies, A responsible future for immersive technologies, Accenture