

Connecting Promise & Practice: The Trajectory of Digitally Enabled Care

PRESENTED BY
Lori Prestesater
Joseph Kvedar, MD
Zach Hochstetler

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Our Presenters



Lori Prestesater Senior Vice President, Health Solutions American Medical Association



Joseph Kvedar, MD
Co-Chair
AMA Digital Medicine
Payment Advisory Group
Immediate Past Chair





Zach Hochstetler
Director, CPT® Editorial and
Regulatory Services
American Medical
Association

AMA: The Physicians' Powerful Ally in Patient Care



AMA: Driving the Future of Digital Health







AMA DIGITAL HEALTH PLAYBOOK SERIES (RPM, TELEHEALTH)



COMPREHENSIVE AMA TELEHEALTH INITIATIVES



DATA STANDARDS & INTEROPERABILITY INITIATIVES



HEALTH 2047



AMA RETURN ON HEALTH RESEARCH & VALUE FRAMEWORK



AI PRINCIPLES



CPT® CODING & PAYMENT GUIDANCE



ENSURING EQUITY IN INNOVATION



STATE & FEDERAL ADVOCACY



PRIVACY
PRINCIPLES
(PRIVACY BY DESIGN)

Making technology an asset in the delivery of healthcare, not a burden.



Future of Health

Closing the Digital Health
Disconnect: A Blueprint for
Optimizing Digitally Enabled Care



Research collaboration led by

Manatt Health

- Physicians and patients have embraced digital health and want progress to continue.
- Despite progress, the full potential of digitally enabled care has not yet been realized; industry is at an inflection point to navigate existing/emerging models.
- Collaboration will be essential to ensure care fragmentation is not exasperated, and that continuity of care and improved outcomes can be improved.
- Building on our <u>Digital Health Implementation Playbook</u> <u>series</u>, AMA and Manatt Health <u>developed a Return on</u> <u>Health value framework</u> for assessing the value of digitally enabled care.
- Next, launched an initiative focused on <u>Future of Health Closing the Digital Health Disconnect: A Blueprint for Digitally Enabled Care</u> with 40+ contributors

•(Health systems, VCs, health plans, physicians in various settings, patients, companies).

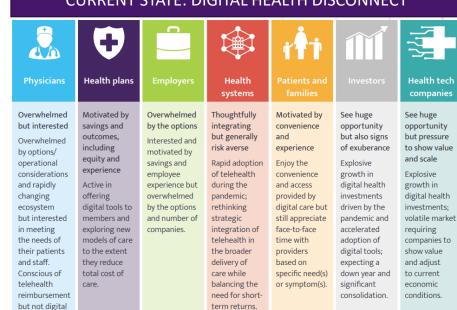


How do we accomplish optimal digitally enabled care?

broadly.

GOAL: DIGITALLY ENABLED CARE Seamlessly integrated virtual and in-person experience Fully Incorporates all coordinated virtual care modalities across clinicians (video, phone, chat, and care monitoring, etc.) settings **Digitally** enabled care 40 Enabled by Supports a home-based data strong patientcollection and physician remote relationship monitoring





BLUEPRINT FOR OPTIMIZING DIGITALLY ENABLED CARE



Build for patients and clinicians



Design with an equity lens



Recenter care around the patientphysician relationship



Improve and adopt payment models that incentivize highvalue care



Create technologies and policies that reduce fragmentation



Scale evidencebased models quickly

Physicians

FOUNDATIONAL PILLARS

SHAREHOLDER OPPORTUNITIES

Implement workflow tools that create efficiency and optimize care; participate in technology design and implementation; connect with peers; optimize EHRs; partner to extend capabilities

Health plans

Evaluate effectiveness of new models; offer equitable payment; better design VBP; enable equitable cost sharing to in-person services; require information sharing with members' PCPs; simplify administrative burden

Employers

Incentivize employee relationships with PCPs; require information sharing with employees' PCPs and adherence to quality metrics; develop multicondition platforms; create on-site virtual care environments

Policy makers

Permanently extend telehealth flexibilities; increase broadband and effectiveness research funding; strengthen interoperability; support equitable coverage and payment of telehealth services

Health tech companies

Seek patient and provider input; center designs in health equity; simplify provider workflows; incorporate "privacy by design"; improve coordination with other providers

Venture capital and private equity funds Direct investments to companies that work with incumbents, address needs of vulnerable populations and perform efficacy research of their products; reduce fragmentation



Key Focuses for Next Steps

How is digitally enabled care paid for today? How should it optimally be paid for in the future?

 Work with key stakeholders to outline existing payment approaches for digitally enabled care (categorized by top use cases), as well current barriers/opportunities for improvements How do we ensure interoperability improves versus worsens as more patients utilize both in-person and virtual (DTC, retail, virtual) offerings?

 Work with Advocacy/existing partners such as Sequoia, Carequality and EHR vendors

What outcomes/successful collaborations are being accomplished and by whom?

- Develop consortium of industry partners committed to digitally enabled care and sharing outcomes
- Co-develop a case study showcase using the AMA ROH framework, categorized by top use cases

Scan this QR code to access the <u>AMA</u>
<u>Future of Health</u>
<u>Report</u>, get in touch and share your successes!



The Realities of Telehealth Adoption in 2023

Joseph C. Kvedar, M

Professor of Dermatology, Harvard Medical School Senior Advisor, MGH Center for Innovation in Digital Healthcare Immediate Past Chair, American Telemedicine Association Co-chair, AMA Digital Medicine Payment Advisory Group Editor-in-Chief, *npj* Digital Medicine



Ratio of Providers to Patients Demand Supply 2005 2010 2015 2020 2025

Where is telehealth 2019-2023?

24-fold more activity

Source: Fairhealth.org

"Telehealth is here to stay"



NOTABLE YEAR-OVER-YEAR INCREASES IN TELEMEDICINE USE

2022, by demographic group











Source: Rock Health

RURAL

73% of rural 50% of r respondents report no instellemedicine use teleprotections.

13pp increase; 60% in 2021

UNINSURED

50% of respondents with no insurance report telemedicine use

> 13pp increase; 37% in 2021

AGE 55+

76% of respondents aged 55+ report telemedicine use

> 12pp increase; 64% in 2021

WOMEN

82% of women respondents report telemedicine use

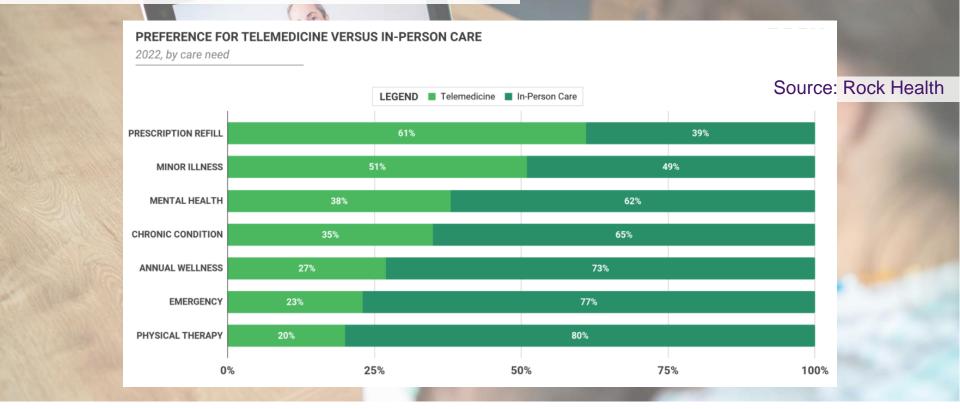
9pp increase; 73% in 2021

HISPANIC

82% of Hispanic respondents report telemedicine use

9pp increase; 73% in 2021

Patient Preferences





Alignment of three groups is necessary to scale further



Patients are enthusiastic

83% good visit quality

> 78% health concern addressed

78% virtual visits
with regular
provider

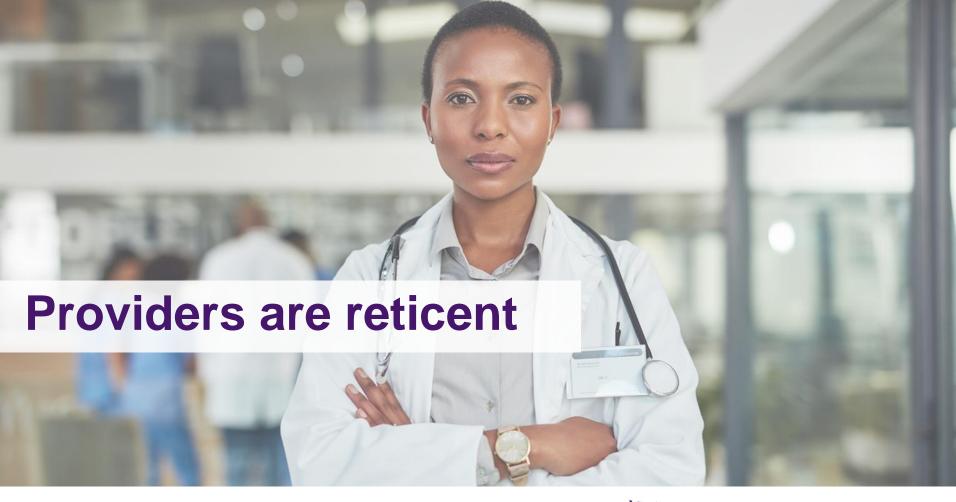
75% - would continue using telehealth for chronic disease management

100

83% - patientprovider communication strong

https://c19hcc.org/telehealth/patient-survey-analysis/





Economic Realities

- > Reimbursement uncertainty
- Omnibus bill extends many regs through 2024
- > The threat of lower reimbursement
- Administrative complexity is high
- > Inertia is real



375.00

238.00

110.

Economic Realities



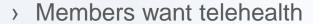
- Audio only? Asynchronous? RPM? RTM?
- For some, specialists visits alone are financially uninteresting
- Hospitals lose revenue on telehealth



110.



Payers are ambivalent



- + Concerns about overutilization
- + Concerns about fraud
- = confusing payment policies
- Battle for control—products and services that work around your doctor
- Virtual first offerings





Ratio of Providers to Patients Demand Supply 2005 2010 2015 2020 2025

Trends in Emerging Care, Reported by CPT® Codes for Digital Medicine Services

Zach Hochstetler

Director, CPT Editorial and Regulatory Services Secretary, CPT Editorial Panel



Key Takeaways

- 1
- Prior to the COVID-19 pandemic, adoption of digital medicine services struggled due to limited payment and coverage options, as well as regulatory burdens.

- 2
- Digital medicine services saw sharp increases immediately following the pandemic and has seen a leveling off since. Digital medicine services play a critical role in health equity.
- 3

Regulatory and payment challenges remain, but options for reporting through the CPT® code set continue to increase.

Telemedicine Adoption Before the Pandemic



High Regulation



Low Adoption

Pre-pandemic Regulation

Geographic and originating site restrictions on Medicare telehealth services.

Non-coverage of audio-only services.

RPM services must have an established relationship.



Physicians' key requirements for technology adoption

AMA Digital Health research, 2016, 2019, 2022



Pre-pandemic Adoption:

Telemedicine Medicare Spend

0.1 Percent

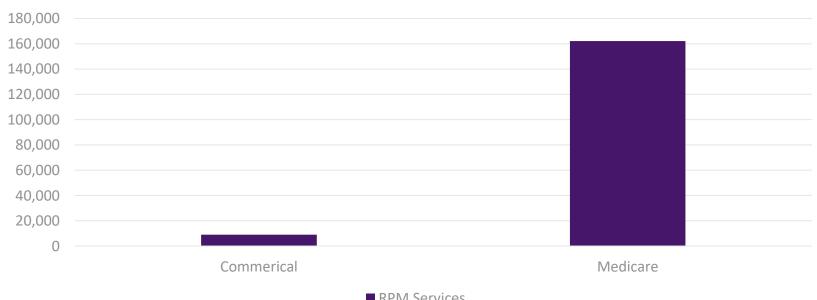
6% ————
4%
2%
0%
13U 5050 1050 May 5050

	2019_Q4
Persons served percentage*	77%
Enrollees with at least one telehealth	n service
% of all FFS enrollees	0%
% of persons served	0%
Enrollees with only telehealth service	es**
% of all FFS enrollees	0%
% of persons served	0%

Pre-pandemic Adoption:

Remote Physiologic Monitoring (RPM)

RPM Volume—Pre-Pandemic (2019)



Utilization Following the Covid Outbreak



Telehealth Spending as Share of MPFS* Total:

January 2020 to September 2021



*Medicare Physician Fee Schedule



Persons Served and Telehealth Usage by Quarter and Year

Quarterly results of Medicare Persons Served*									
	2019_Q4	2020_Q1	2020_Q2	2020_Q3	2020_Q4	2021_Q1	2021_Q2	2021_Q3	
Enrollees with at least one telehealth service									
% of persons served	0%	6%	43%	26%	25%	24%	17%	15%	
Enrollees with only telehealth services**									
% of persons served	0%	0%	10%	3%	3%	3%	2%	1%	

^{*}Share of Medicare Part B fee-for-service enrollees that received at least one MPFS service in the period.

^{**}Enrollees receiving MPFS services (if any) exclusively via telehealth.

Highlighting the Importance of Telemedicine to Support Underserved Populations

Telemedicine Visits, by Specialty and Mode of Interaction, at Johns Hopkins Medicine.*

... has shown increased use of audio-only visits among marginalized groups, including greater use among patients who identify as Black as compared with those who identify as White, patients whose primary language is Spanish as compared with primarily English-speaking patients, older as compared with younger patients, and publicly insured as compared with privately insured patients.

Oncology	72,070	00,031 (83)	12,045 (17)
Cardiology	55,602	45,313 (81)	10,289 (19)
Gastroenterology	51,896	49,436 (95)	2,460 (5)
Neurology	45,351	41,496 (91)	3,855 (9)
Endocrinology	39,129	36,644 (94)	2,485 (6)

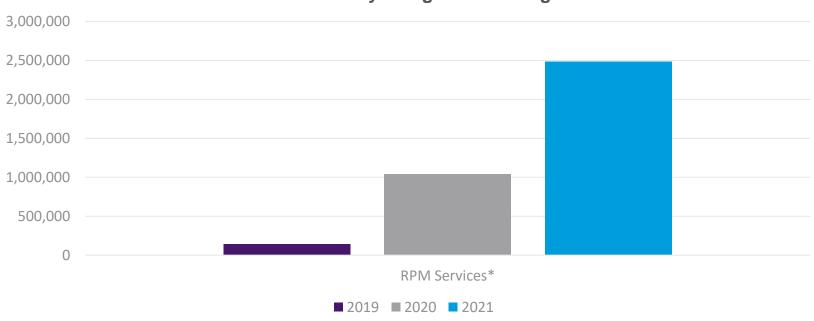
^{*}Data are from period from March 16, 2020, through August 30, 2022

DOI: 10.1056/NEJMp2118292



Medicare Utilization Adoption: RPM Codes

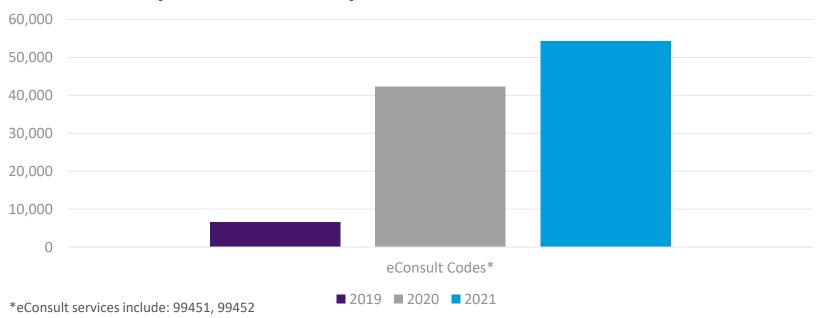
Remote Physiologic Monitoring



*RPM services include: 99091, 99453, 99454, 99457, 99458

Medicare Utilization Adoption: *eConsults Codes*

Interprofessional telephone/internet/EHR consultation

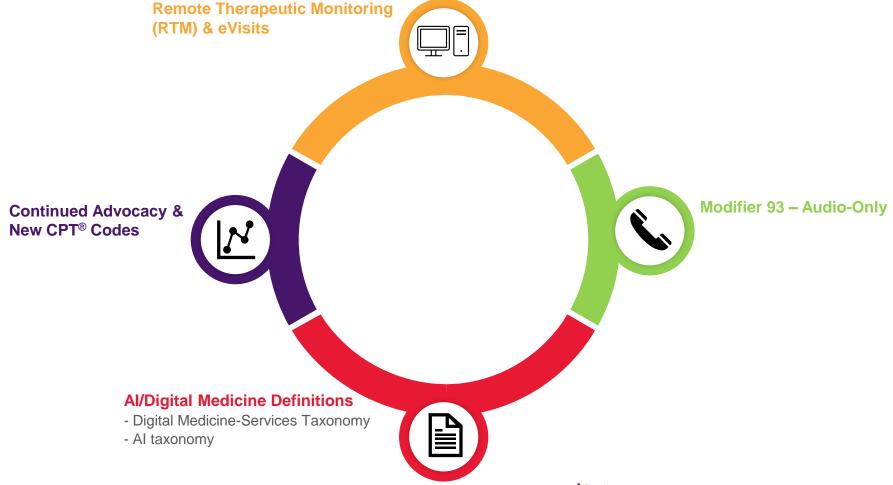




Enhancing Digital Medicine Adoption

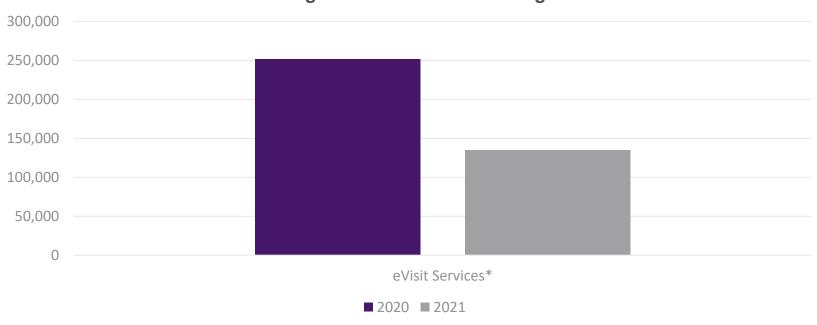
AMA & CPT® Editorial Panel Actions Since the Start of the Pandemic





Medicare Utilization Adoption: *eVisit Codes*

Online Digital Evaluation and Management



^{*}eVisit Services include: 99421, 99422, 99423, 98970, 98971, 98972

Remote Therapeutic Monitoring (RTM) Codes



Adopted for 2022

Medicare covers all RTM services. Still awaiting Medicare utilization for 2022.





Similar Structure as RPM

Contains codes for education and set-up, device supply, and remote treatment management.





Opportunities to Expand

Code structure is based on body systems and therapies. Currently include: respiratory, musculoskeletal, cognitive behavior therapy (CBT).





CPT early releases

CATEGORY I VACCINE CODES | CATEGORY III CODES | PLA CODES | APPENDIX S: AI TAXONOMY |

AUDIO ONLY MODIFIER 93

Audio-only modifier 93 for reporting medical services

CONTENTS

Modifier 93 descriptor | Download descriptor

At its September 2021 meeting, the CPT® Editorial Panel accepted the addition of Modifier 93, which allows reporting of medical services that are provided via real-time interaction between the physician or other qualified health care professional and a patient through audio-only technology. The use of this modifier is effective Jan. 1, 2022.

Modifier 93 descriptor

Synchronous telemedicine service rendered via telephone or other real-time interactive audio-only telecommunications system

https://www.ama-assn.org/practice-management/cpt/cpt-appendix-audio-only-modifier-93-reporting-medical-services



Al/Digital Medicine Definitions



CPT® Appendix R:Digital Medicine Services Taxonomy

Taxonomy displays CPT® services based on encounter activity

Physician-to-Patient Services (e.g., visit)

- Synchronous
- Asynchronous

Physician-to-Physician Services (e.g., consultation)

- Synchronous
- Asynchronous

Patient Monitoring Services

- Device/software set-up and education
- Data transfer
- Data interpretation services

Digital Diagnostic Services

- Patient directed
- Image/specimen directed

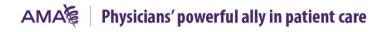
CPT® Appendix S:Al taxonomy for medical services & procedures

The AI Taxonomy provides and defines distinct categories to describe the work done by the machine on behalf of the physician based on:

- Technical features and performance of emerging Al products and services
- Effect on the work of the Physician/QHP
- Discrete components of work in order to facilitate valuation



ama-assn.org/cpt-ai-taxonomy



Continued Advocacy & Adoption of New CPT® Codes

New CPT Codes

AMA Advocacy Efforts



- Support legislation that would lift the ruralonly restriction and add any site where a patient is located as an originating site.
- Payments should be fair and equitable, regardless of whether the service is performed via audio-only, two-way audio-video, or inperson.
- Outlining the importance of telehealth in addressing long-standing health inequities among historically marginalized and minoritized communities.

Coronary fractional flow reserve



Effective on Jan. 1, 2024, the Panel created a new code to report a non-invasive estimate of coronary fractional flow reserve derived from augmentative software analysis of the dataset from a coronary computed tomography angiography.

7X005

Assistive algorithmic electrocardiogram



For the CY 2023 CPT code set, the Panel created two codes to to report **assistive algorithmic** electrocardiogram risk assessment for cardiac dysfunction.

0764T | 0765T

Remote retinal imaging



For the CY 2021 CPT code set, the Panel created a new code 92229, which describes technology that identifies diabetic retinopathy through automated AI, which set a foundation for the first truly automated AI service in the CPT code set.

92227 | 92228 | 92229



Questions?





Trends in Emerging Care, Reported by CPT® Codes for Digital Medicine Services



Stay informed with AMA resources

The Future of Health Report was prepared by the AMA and Manatt Health, and builds on the AMA's Return on Health research to explore and define the disconnect between the transformative potential of digital health, and the reality of its impact today; offer a blueprint to optimize digitally enabled care; and share stakeholder opportunities to leverage digital care through case examples from various organizations.

https://www.ama-assn.org/practice-management/digital/driving-future-health

The AMA Future of Health Immersion
Program is a comprehensive curriculum of
curated webinars, interactive peer-to-peer
learning sessions, virtual discussions,
bootcamps and resources available on
demand, and designed to enable practices.

https://www.ama-assn.org/practicemanagement/digital/ama-future-healthimmersion-program Designed to address the needs of developers and creators of health technology and services, the CPT®

Developer Program offers access to AMA-published content from Current Procedural Terminology (CPT) during the crucial stages of development.

developer.ama-assn.org

The Physician Innovation Network connects physicians and entrepreneurs to partner on new digital health care solutions.

innovationmatch.ama-assn.org

The In Full Health Learning & Action Community to Advance Equitable Health Innovation initiative seeks to advance equitable opportunities in health innovation investment, solution development and purchasing.

InFullHealth.org

The CPT Editorial Panel has responded to the fast pace of digital health innovation with two taxonomies. Appendix R, a taxonomy for digital medicine services, supports increased awareness and understanding of approaches to patient care through the multifaceted digital medicine services available for reporting in the CPT code set.

Appendix S provides guidance for classifying various Al-powered medical service applications, into one of three categories: assistive, augmentative, or autonomous.

ama-assn.org/cpt-ai-taxonomy

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