

Remote Physiologic Monitoring: Implementation to Expand Care Outside of Office Visits

Jodi Grandominico, MD, FACP

Associate Professor of Clinical Medicine Division of General Internal Medicine and Geriatrics The Ohio State University Wexner Medical Center

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Disclosures

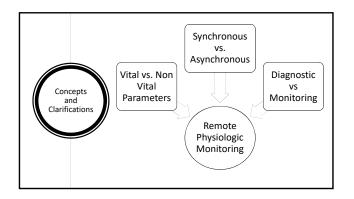
• None

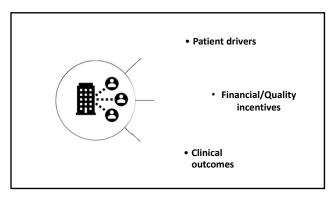
Objectives	
Defining Remote Physiologic Monitoring (RPM)	
RPM Use Case – Why Now?	
Remote Physiologic Monitoring Implementation	
Challenges and lessons learned	
Clinical outcomes to date	

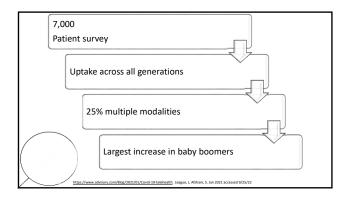
Remote Physiologic Monitoring

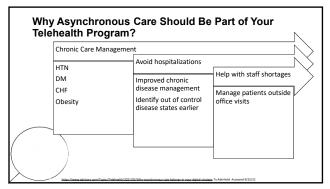
- Use of medical device to collect and analyze patient physiologic data
 - Medical device as defined by the FDA
 - Must digitally and automatically upload patient data
- Must be medically necessary
- Used to develop and manage a treatment plan
- Can be used for chronic or acute conditions

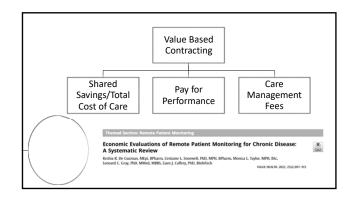


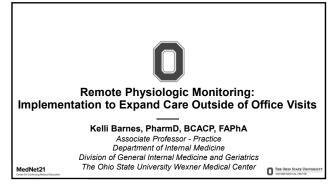




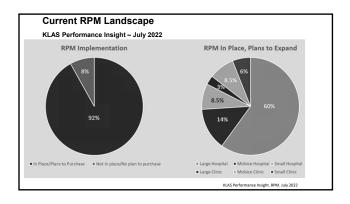








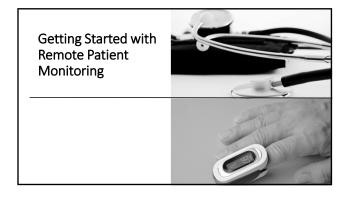
CPT Code	Description	Reimbursemen
99453	Initial set up and patient education on use of equipment A,B	\$15-30 (once)
99454	Supply of device, collection, transmission, and report/summary services to the clinician ^A	\$50-99 (monthly) Average ~\$66
99457	Remote monitoring services by clinical staff, physician, QHCP First 20 minutes	\$40-80 (monthly)
99458	Remote monitoring services by clinical staff, physician, QHCP Each additional 20 minutes	\$40-65 (monthly)
99091	Collection and interpretation of physiologic data digitally stored and/or transmitted to physician or QHCP requiring a minimum of 30 minutes of time	TBD



Potential Benefits of Remote Physiologic Monitoring

- Detect clinical decompensation for intervention
- Enhance the provider-patient relationship
- Improve patient experience/satisfaction
- Facilitate ongoing connection with patients
- Improve patient education for selfmanagement
- Improve quality performance and value-based payment models
- Generate revenue to sustain care team

Kruklitis R, et al. Prim Care. 2022; 49(4): 543-5:





RPM Implementation Team

- Clinical representatives (physician, care team members)
- IT and information security representatives
- Administrative representatives (practice manager, administrator)
- Project manager
- C-suite executives/practice owners
- Patient advisory board member
- Care team managers/leaders

RPM	Implementation	
IDENTIFY PURPOSE/ NEED		

Identify Need/Purpose

- Ways to Identify the Need
 - Solicit feedback from frontline clinicians
 - Review performance on quality metrics
 - Identify opportunities based on patient feedback/satisfaction
- Align with the quintuple aim
- Prioritize use cases that align with strategic goals
- Avoid flashy new technology that doesn't align with needs
- Consider prioritization in large organizations

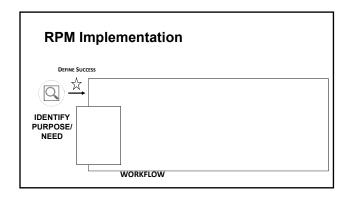
MA Remote Patient Monitoring Playbook. American Medical Association 20.



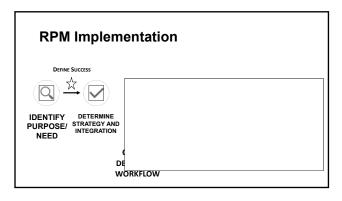
RPM Devices

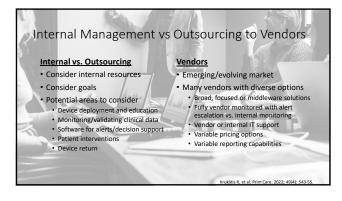
- Any medical device as deemed by FDA
- Common device types
 - Blood pressure monitors
 - Glucose monitors
 - Pulse oximeters
 - Scales
 - Peak flow meters
 - Thermometers
 - Sleep Mats

RPM Device Considerations Clinical accuracy Security and HIPAA compliance Ease of use Cost Stock and availability Kruklitis R, et al. Prim Care. 2022; 49(4): 543-55.









Vendor Considerations • Business model • IT sophistication • Usability • Clinical validation • HIPAA compliance/security • Customer service • Ask for case studies/referrals • Ability to scale

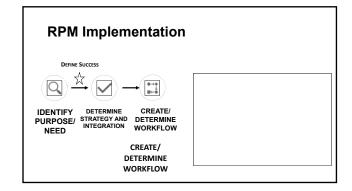
AMA Remote Patient Monitoring Playbook. American Medical Association 2022.

Key Strategy and Integration Factors for all Models

- IT Integration Type
 - Blue-tooth
 - Cellular/mobile network devices
- Provider experience
- Care team availability
- Data visualization
- Patient prioritization

Kruklitis R, et al. Prim Care. 2022; 49(4): 543-55.

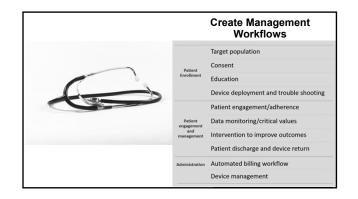


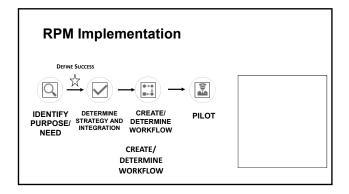


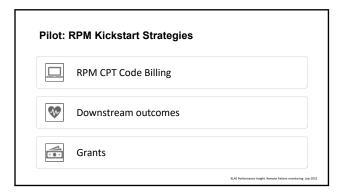
Care Teams

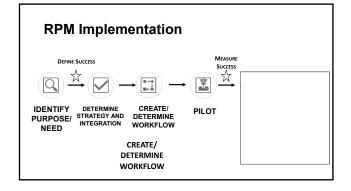
- Must use team to monitor and respond to data
 - Ensure care team members work at top of license
- Train staff from the perspective of care team and patient
- Pharmacists are perfectly positioned to manage chronic disease
 - Collaborative practice agreements
- Consider other team members to manage adherence with program

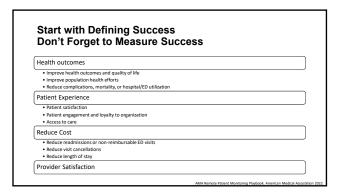


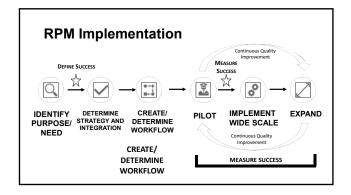












Lessons
Learned:
Patient
Patient
Experience

Patient ease of use is imperative

Password recall can be time consuming

Cellularly enable devices may improve connectivity

Scheduled telephone visits can improve ability to reach patient

Patient ease of use is imperative

Password recall can be time consuming

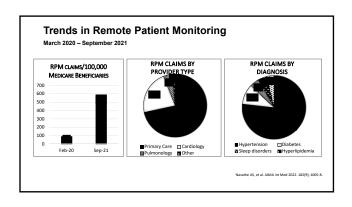
Seamless connectivity

Cellularly enable devices may improve ability to reach patient

Patient ease of use is imperative

Lessons
Learned:
Provider
Experience

• Electronic health record integration is key
• Easily digestible, actionable data
visualization required
• Sophisticated prioritization of patients is
ideal
• Tracking time and billing CPT codes should
be automated





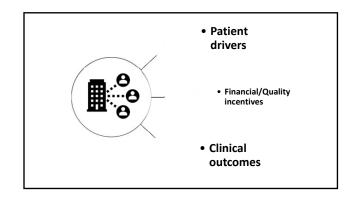
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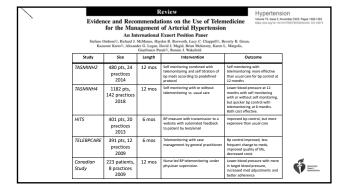
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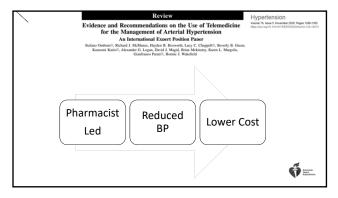
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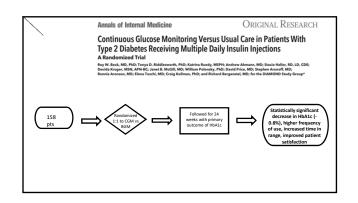
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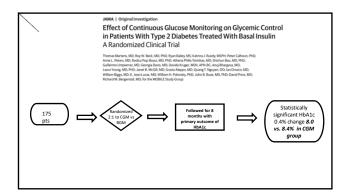


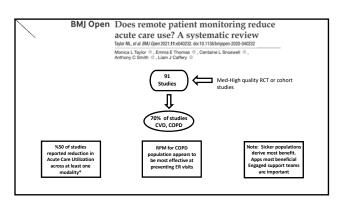




International Consensus on Use of Continuous Glucose Monitoring Diabetes Care 2017-00.1633-1640 | https://doi.org/10.2337/01.73000 Diabetes







RPM Wrap-Up RPM can be used to engage patients in care outside the clinic Patient, provider, and care team experience will likely dictate uptake and impact Patient, provider, and care team experience will likely dictate uptake and impact RPM wrap-Up The RPM market is rapidly evolving with diverse options dictate best option Financial sustainability should account outcomes will be integral to evaluating global impact