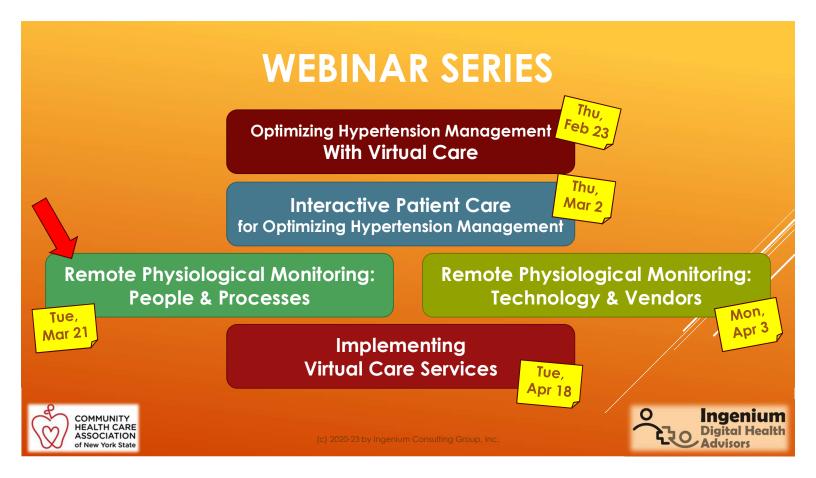
OPTIMIZING HYPERTENSION MANAGEMENT REMOTE PHYSIOLOGICAL MONITORING PEOPLE & PROCESSES



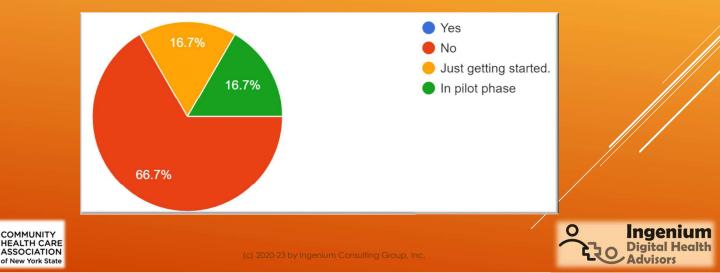
March 21, 2023 | presented by Christian Milaster





SURVEY QUESTIONS

Does your organization have a Remote Physiological Monitoring (RPM) program?



SURVEY QUESTIONS What are key challenges regarding your RPM program implementation?



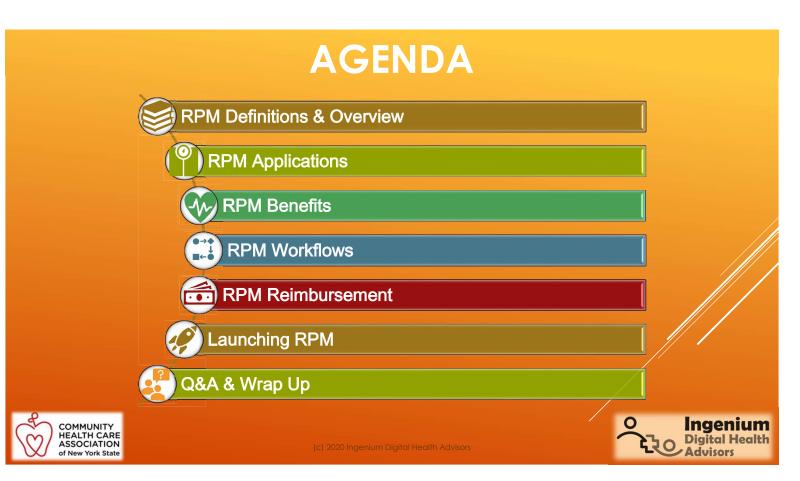
WHAT ARE YOU MOST INTERESTED IN LEARNING?

- How to begin implementing a virtual care program with HTN
- What does it take to implement a HTN Mgmt. Program with RPM?
 - Are there external services that we could utilize if we do not have the internal capacity to manage such a program?
- Learning new strategies to expand RPM modalities
- How to achieve compliance with BP measurements
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ABOUT CHRISTIAN







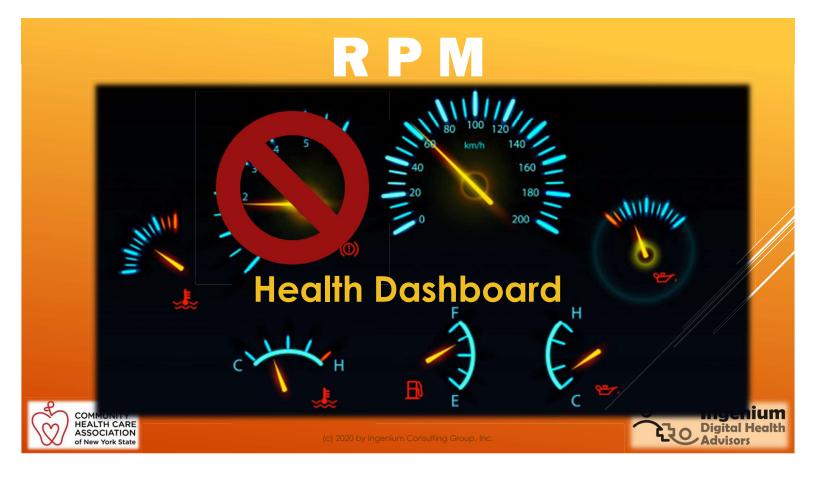
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RPM OVERVIEW

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RPM DEFINITION

Revolutions per minute Remote Patient Monitoring Remote Physiological Monitoring

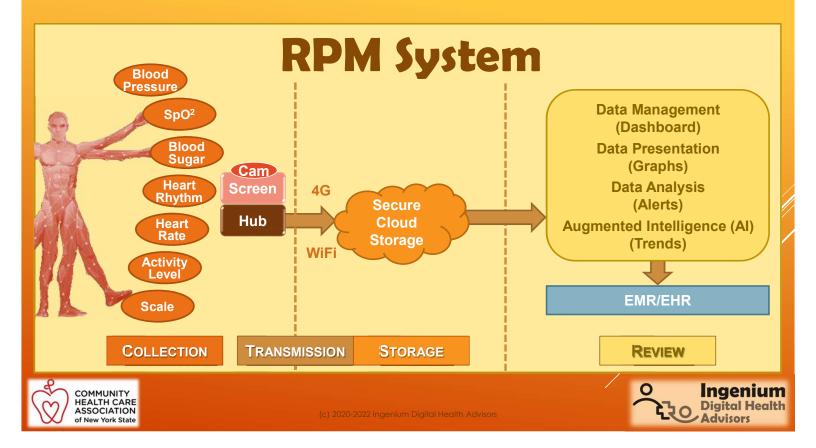
The continuous or periodic collection, transmission and review of physiological data to inform care decisions.

COMMUNITY HEALTH CARE ASSOCIATION of New York State

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RPM APPLICATIONS

RPM USE CASES

RPM in a Clinical Setting

- Intensive Care (eICU)
- Non-intensive Care (e.g., SNF)

RPM in a Home or Home-like Setting

- "Hospital at Home" models (early discharge)
- Short-term readmission prevention
- Long-term chronic disease management
- Long-term disease onset monitoring (at risk pop.)







PRIORITIZATION OF RPM USE CASES



CLINICAL USE CASES

HTN



Readmission Prevention Chronic Disease

Disease Management

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Onset of Disease



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RPM BENEFITS

RPM: CLINICAL BENEFITS

Clinical Care Quality

- Daily Insights allowing adjustment of the Care Plan
- With video capabilities, opportunities for interactive visits
- Better "exam" capabilities not "flying in the dark"
- Establishing a Baseline to detect onset of disease

Patient Engagement

- "Seeing your body" increases patients' engagement
- Opportunities for Just-in-Time Education of patients



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RPM: RETURN ON INVESTMENT

Reduced Health Care Costs

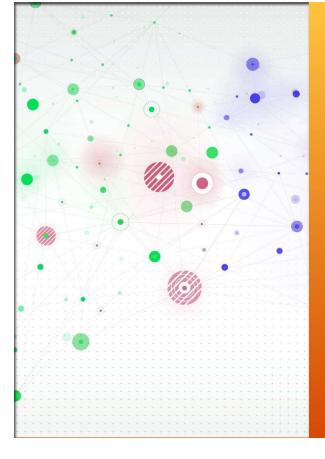
- Reduced readmissions (e.g., -53%, -60%, -67%, -71%, -75%, -82%)
- Reduced skilled nursing visits (e.g., -40%)
- Reduced emergency room visits
- Savings for payer (e.g., \$1.9M)

More Engaged Patients

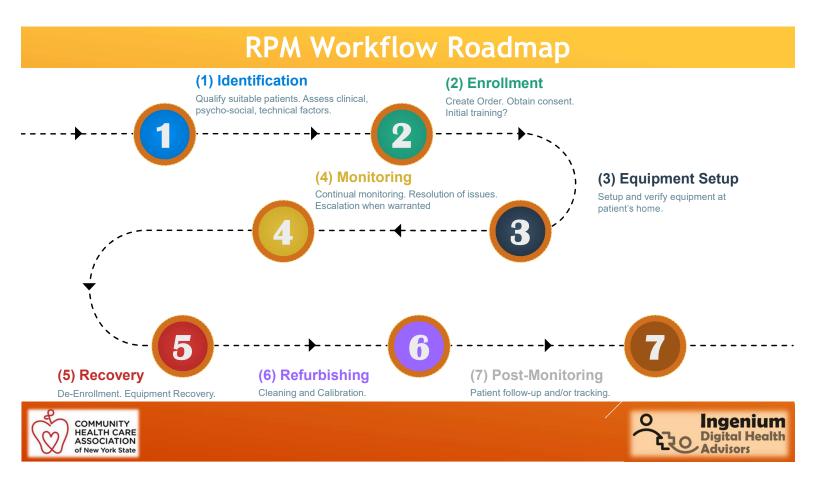
- Increased care engagement by 24 minutes/day
- **Early identification and treatment of disease exacerbation**
- Overall ROI
 - e.g., \$14.50 for every \$1 invested (1,350% ROI) (\$350k invested = \$5M return)



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RPM WORKFLOW



QUESTIONS FOR YOU...

Respond in the Poll

Question 1: Who has responsibility for training patients on the use of remote monitoring equipment?

n/a, community health worker, paramedics, nurse, other staff, etc.

Question 2: Do you have a documented process for reviewing RPM data daily & identifying exceptions that require intervention?

e.g., n/a, yes, no, kind of (needs improvement)

Question 3: Who reviews the RPM data?

designated monitoring nurse; each patients' physician's nurse



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SAMPLE DOCUMENTS/PROTOCC

Patient Competency Validation Form

RPM Authorization Agreements

RPM Device Maintenance Policy

Alert Parameters

CHF Weight Gain Protocol



Stp Type		Name	Creator	Owner	Link	Status	Vivify?	
(0) General				Lynne				
Policy	P-1	RPM Policy		Lynne		1-identified		
Policy	P-2	RPM Equipment Management Policy	1					
Policy	P-3	RPM Equipment Handling Policy	Bonnie			1-identified	x	
(1) Identification				Donna P.?				
Workflow	W-1.1	Patient Identification Clinical Workflow	Bonnie			ion Agreement.doo		
Workflow	W-1.2	Off-floor referral process	Christian	🖄 2-W	1 Enrollmer	nt, and Installation	workflow ex.	.docx
Workflow	W-1.3	EHR Referral		👼 3-F1	RPM Patier	nt Instructions.doc	x	
Form	1-F1.1	Inclusion/Exclusion Criteria Checklist	Bonnie			mpetency Validatio		v
Form	1-F1.2	Referral form		1000				•
Policy				1.000		allation Checklist F	orm.docx	
2) Enrollment				Dc 🖄 4-F1	Alert Paran	neters.docx		
Workflow	2-W1	Patient Enrollment		🛤 4-P1	.1 High Hea	art Rate.docx		
Form	1-F1.1	Inclusion/Exclusion Criteria Checklist	1		-	rt Rate.docx		
Form	2-F2	Authorization Agreement						
						od Pressure.docx		
3) Equipment Setup				тв 🖄 4-Р2	.2 Low Bloc	d Pressure.docx		
Workflow	3-W1	Equipment Deployment Preparation	Bonnie/Christia	Ste 💏 4-P3	Low SpO2.	docx		
Workflow	3-W2	Equipment Setup & Configuration	Christian	C .		: Gain.docx		
Workflow	3-W3	Patient Education	Bonnie	Ste				
Form	3-F1	Patient Competency Validation	Bonnie	510		od Sugar.docx		
Form	3-F2	Installation & Retrieval Form	Bonnie	Ste 📑 4-P5	.2 Low Bloc	od Sugar.docx		
Form	3-F3	RPM Patient Instructions		Ste 15P R	emote Mor	nitoring Devices Ma	aintenance P	olicy
				100000000000000000000000000000000000000				Construction of the second
				0 J-VV	i Deinstalia	tion and Discharge	worknow.d	OCX
(4) Monitoring				Aaron?			D	
Workflow	4-W1	Patient Monitoring	Bonnie	Ellen			x	30
	4-W1.1	Alert Parameter Modification	Bonnie	Ellen			x	20

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[1] IDENTIFICATION



- Inclusion/Exclusion Criteria
 - Clinical, Physical, Cognitive, Environmental
- **Workflow for HTN RPM:**
 - Pre-Identification HTN Dx, other factors?
 - Joint Decision PCP, Pop Health/Care Coord.?
 - Referral to HTN RPM Service



INCLUSION/EXCLUSION CRITERIA	



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Diagnoses – HTN Score Risk Score

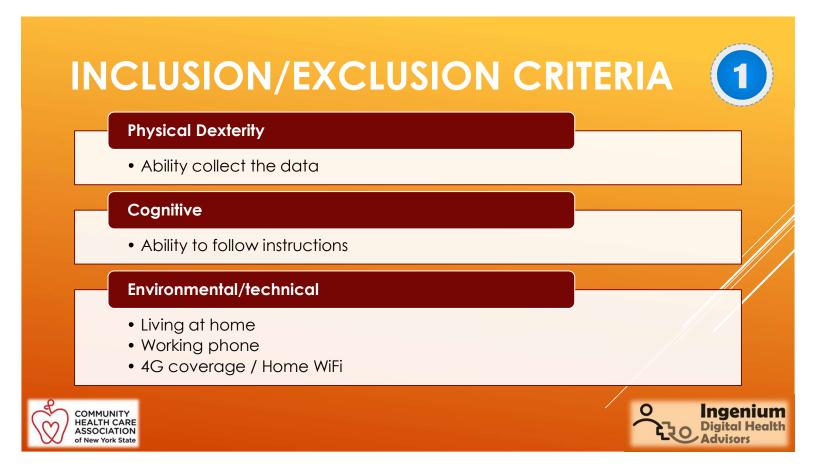


Home Assessment

Environmental — e.g., tidyness Technical — outlets, phone,







[2] ENROLLMENT [3] EQUIPMENT SETUP

Sample Workflow Steps:

- Establish patient in RPM monitoring system
- Prepare patient forms & documents
 - authorization agreement, consent form
 - patient competency assessment ("teach back")
- Set up & test RPM kit at patient's home
 - Checklist: contact info, record serial numbers, etc.





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SETUP VARIATIONS

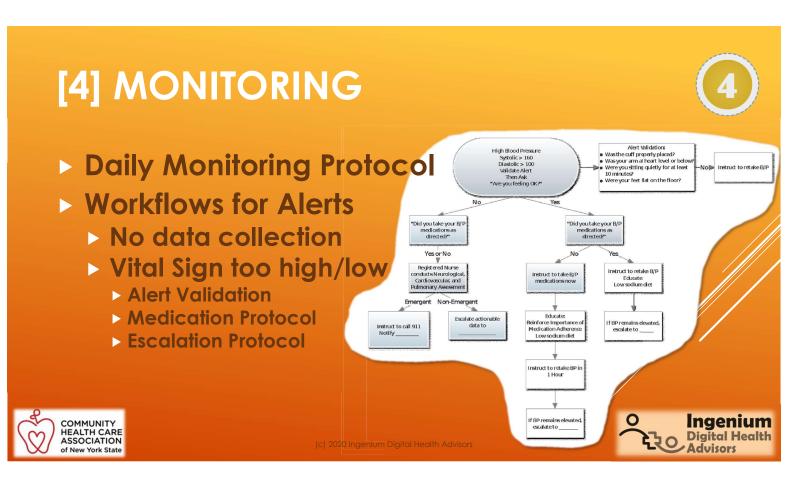
- Set up in Clinic
 - Demonstration & Teach back in Clinic
 - Remote Test Transmission
- Set up at Home
 - Community Health Worker, Community Paramedics, Home Health, Case Manager?

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Test Transmission





[5] RECOVERY[6] REFURBISHING

- Recovery
 - De-Enrollment
 - Equipment Recovery
- Refurbishing
 - Cleaning
 - Calibration







Periodic Patient Follow-Up
Post monitoring Tracking



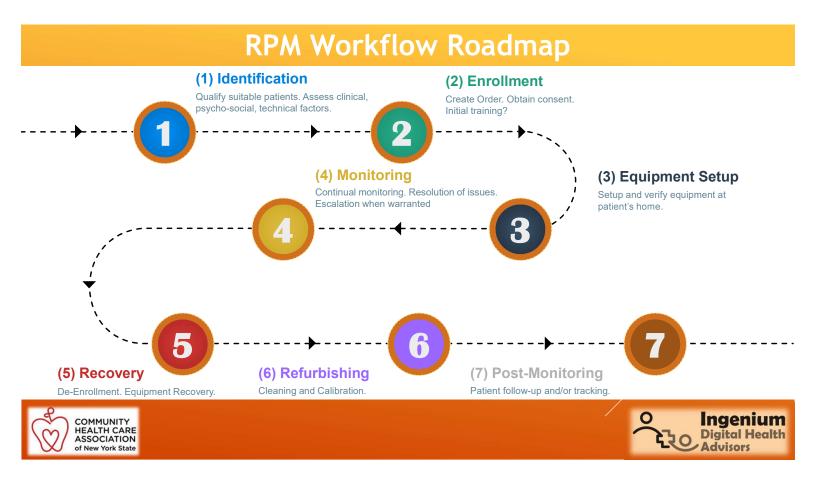




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RPM MONITORING STAFF OPTIONS

	Clinical Activities	Logistics	
Option A	Health Center	Nurse (HC RN)	
Option B	HC RN	Outsourced	
Option C	Outso	urced	
Option D	HC RN w/ outso	ourced backup	

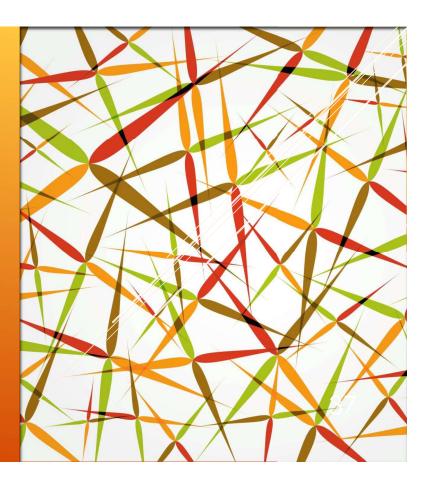




RPM REIMBURSEMENT

Chronic Care Management (CCM) and

Remote Patient Monitoring (RPM)



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RPM & CCM REIMBURSEMENT

FQHCs that have opted out of APGs are unable to bill for RPM services.

NYS Medicaid – Yes (RPM; CCM?)

Medicare – Yes (RPM, CCM)

Private Payer – Depends







MEDICARE REIMBURSEMENT

For Chronic Care Management and Remote Physiological Monitoring (January 2019)



ent in Maryland (Jan 2019)

MEDICARE CCM REIMBURSEMENT

- Covered by Medicare since 2015
- As of 2017, four codes for basic, complex and initial assessment/care planning
- Can supplement RPM billing





MEDICARE CCM CODES

- CPT 99490
 - Basic CCM (20+ min/month)
- **CPT 99487**
 - Complex CCM (60+ min/month)
- CPT 99489
 - Complex CCM add-on (+30 min/month)
- HCPCS G0506
 - Add-on code for comprehensive assessment and care planning at the CCM-initiating visit



```
RPM Reimbursement in Maryland (Jan 2019)
```

MEDICARE CCM CODES: 99490

CPT 99490

- at least 20 minutes non face-to-face clinical staff time [per month]
- directed by a physician or other qualified health professionals
- coordinate care for beneficiaries who have two or more chronic conditions expected to last more than 12 months



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MEDICARE RPM REIMBURSEMENT: OVERVIEW

- Started in 2018 with CPT Code 99490 (RPM 'collection and interpretation')
- Expanded in 2019 with 3 codes for setup, devices, and treatment management



RPM CPT CODE 99091 (2018)

Collection and interpretation of physiologic data (e.g., ECG, blood pressure, glucose monitoring)

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digitally stored and/or transmitted by the patient and/or caregiver

to the physician or other qualified health care professional, qualified by education, training, licensure/regulation (when applicable)

requiring a minimum of 30 minutes of fime.





CMS RPM CODES 2019 – OVERVIEW

CPT Code 99454	CPT Code 99457	
RPM Devices	RPM Treatment	
Remote monitoring of physiologic parameters (e.g., weight, blood pressure, pulse oximetry, respiratory flow rate), every 30 days recurring;	Remote physiologic monitoring treatment management services. every 30 days recurring;	
Devices supply with daily recordings or programmed alerts transmission, each 30 days. (with 16 days of data!)	20 minutes or more of clinical staff/physician/other qualified healthcare professional time in a calendar month requiring interactive communication with the patient/caregiver during the month.	
	RPM DevicesRemote monitoring of physiologic parameters (e.g., weight, blood pressure, pulse oximetry, respiratory flow rate), every 30 days recurring;Devices supplyWith daily recordings or programmed alerts transmission, each 30 days.	RPM DevicesRPM TreatmentRemote monitoring of physiologic parameters (e.g., weight, blood pressure, pulse oximetry, respiratory flow rate), every 30 days recurring;Remote physiologic monitoring treatment management services. every 30 days recurring;Devices supply with daily recordings or programmed alerts transmission, each 30 days. (with 16 days of data!)20 minutes or more of clinical staff/physician/other qualified healthcare professional time in a calendar month requiring interactive communication with the patient/caregiver



COMMUNITY HEALTH CARE ASSOCIATION of New York State

RPM Reimbursement in Maryland (Jan 2019)

99457 RPM TREATMENT MGMT. SERVICES

- Requires 20 minutes per month (CPT 99091 required 30 minutes per 30-day period)
- Can be provided by the physician, qualified healthcare professional, or clinical staff, including RNs and MAs (CPT 99901 did not include clinical staff)
- 99457 describes professional time and therefore "cannot be furnished by auxiliary personnel incident to a practitioner's professional services."





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RESOURCES



2021 Medicare Remote Patient Monitoring FAQs: CMS Issues Final Rule



https://www.foley.com/en/insights/publications/2020/12/ 2021-remote-patient-monitoring-cms-final-rule



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NEW YORK MEDICAID RPM

Remote patient monitoring services are billed using CPT code "99091" and should not be billed more than once per member per month. Billing should occur on the last day of each month in which RPM is used. A fee of \$48.00 per month will be paid for RPM for a minimum of 30 minutes per month spent collecting and interpreting a member's RPM data.

FQHCs that have opted out of APGs are unable to bill for RPM services.





HCPCS CODE G0511 FOR FQHC CCM

HCPCS Code for Federally Qualified Health Center (FQHC) or Rural Health Clinic (RHC) only;

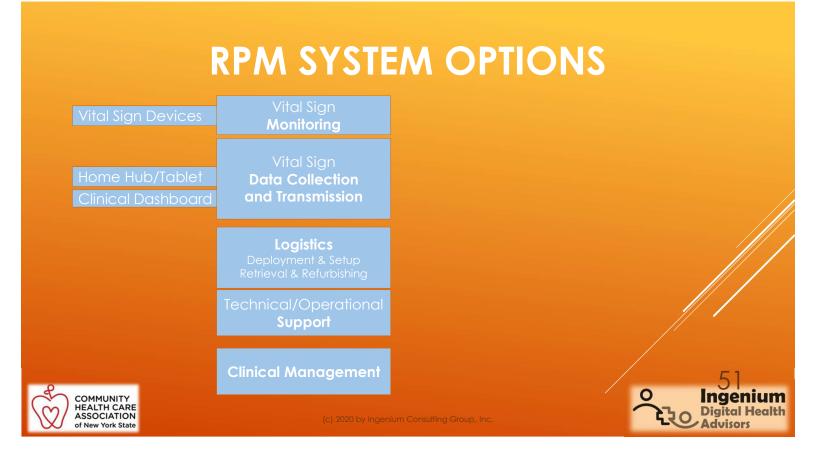
- general care management, 20 minutes or more of clinical staff time
- for chronic care management services or behavioral health integration services
- directed by an RHC or FQHC practitioner (physician, NP, PA, or CNM)
- per calendar month
- 2023 rates: \$77.94

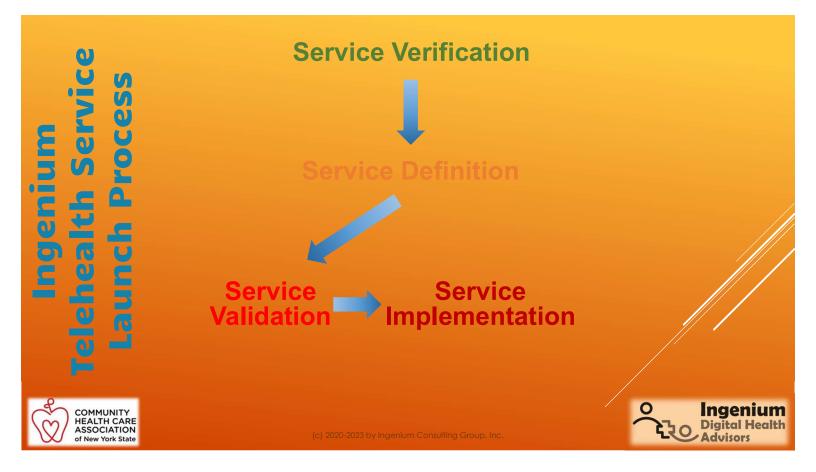
https://www.aapc.com/codes/hcpcs-codes/G0511

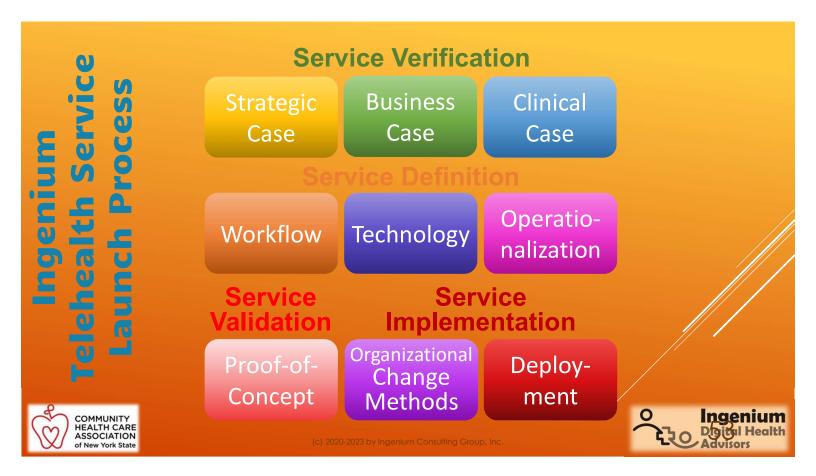




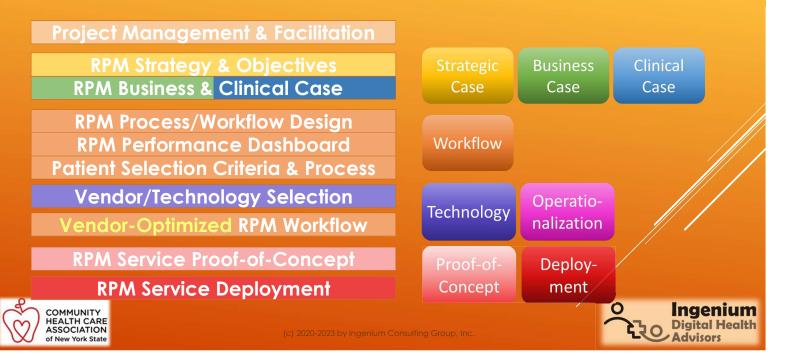
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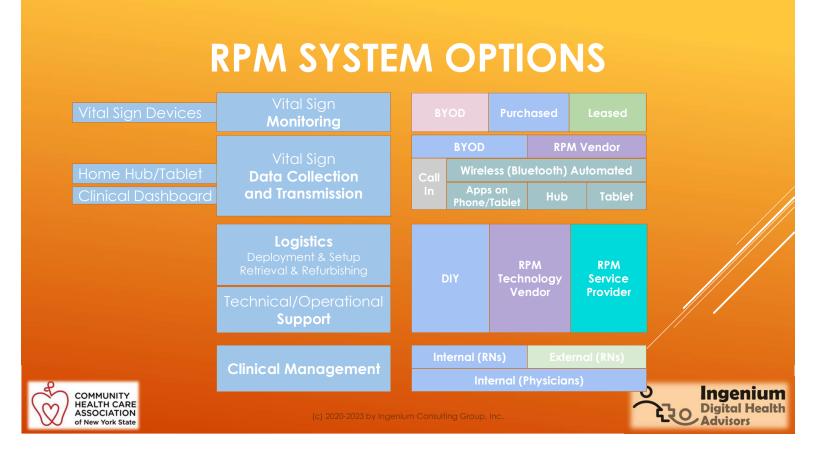






RPM LAUNCH PROCESS





After the Q&A

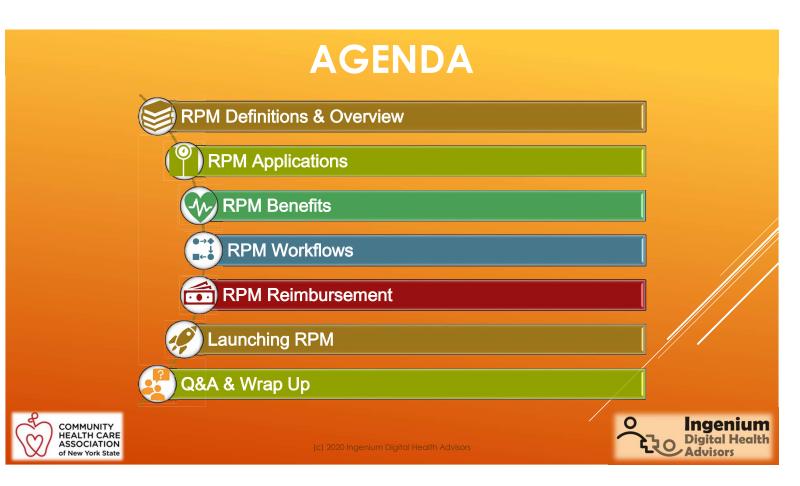
Your Interest Key Takeaways Action Items Webinars Outlook

Contact Info:

<u>Christian.Milaster@IngeniumAdvisors.net</u> <u>IngeniumDigitalHealth.com</u> 657-Ingenium (464-3648)









PLEASE COMPLETE THE SURVEY!

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WHAT ARE YOU MOST INTERESTED IN LEARNING?

- How to begin implementing a virtual care program with HTN
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KEY TAKEAWAYS

Put your Major Insights, Learnings into the Chat.

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4 KEY TAKEAWAYS

- Good RPM requires a series of well-defined workflows
- Patient Activation is Key for RPM success and for success in managing the patient's HTN
- RPM can be more than just HTN management
- ▶ ?







ACTION ITEMS

Jot down 1-3 Action Items you will take on now! Share in the Chat, if you'd like.

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SAMPLE ACTION ITEMS

E.g.,

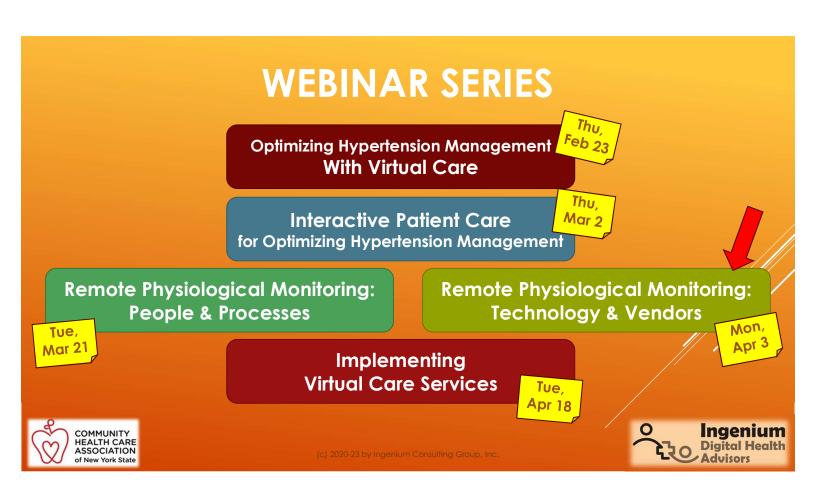
Map out your desired patient RPM enrollment workflow.

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- Identify designated monitoring resource.
- Review RPM dashboard with PCPs





OPTIMIZING HYPERTENSION MANAGEMENT WITH VIRTUAL CARE



See you on Monday, April 3 @ 1 PM!