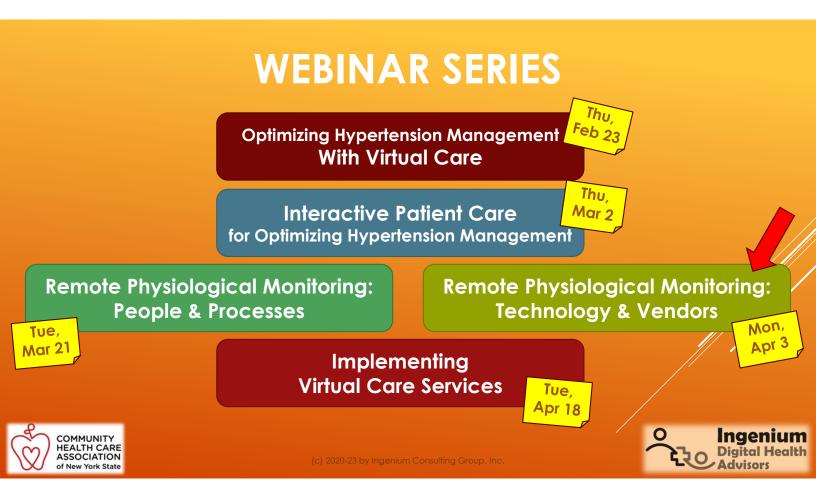
OPTIMIZING HYPERTENSION MANAGEMENT REMOTE PHYSIOLOGICAL MONITORING TOOLS & TECHNOLOGY



April 3, 2023 | presented by Christian Milaster



ABOUT YOU!

SURVEY QUESTIONS

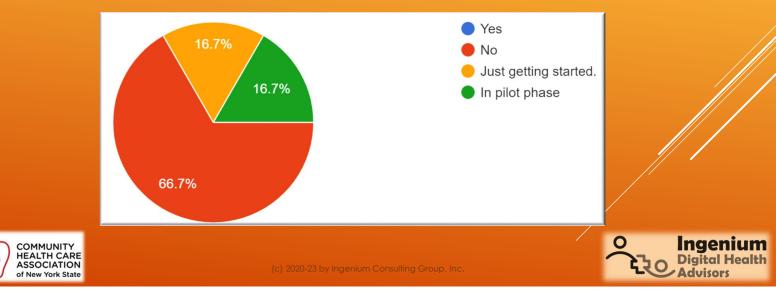
- 1. Do you an RPM program?
- 2. If you have a program, how satisfied are you with the technology?
- 3. What are your biggest concerns about technology?
- 4. What are you most interested in learning today? (post your answers in the chat)



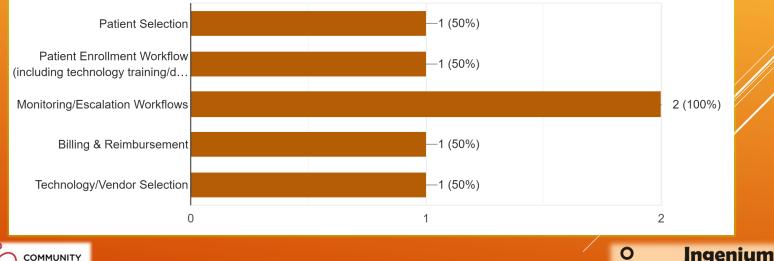


PAST SURVEY QUESTIONS

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



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



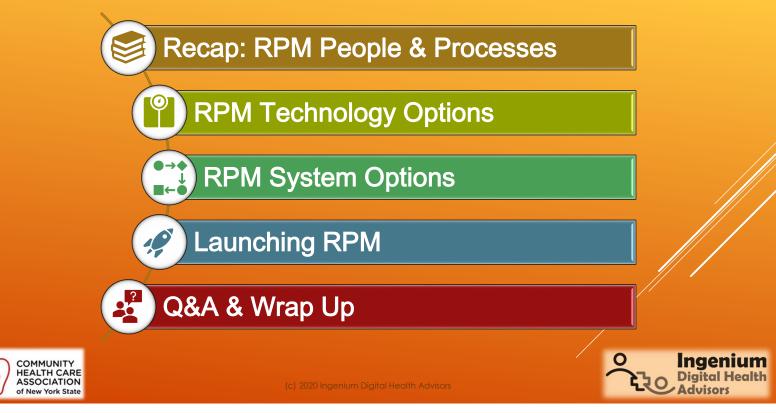
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AGENDA



ABOUT CHRISTIAN









MY PRIMARY OBJECTIVE FOR TODAY

Give you the processes and questions to become a confident and informed BUYER of RPM Solutions & Services





"DISCLAIMER"

- We are technology and vendor agnostic.
- All vendors listed are a random sample; listing does not indicate endorsement or approval.
- We believe that at least 80% of all problems are due to lack of workflows, lack of training, lack of support, lack of buy in.
- Technology cannot compensate for the lack of these fundamentals.





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RECAP: RPM PEOPLE & PROCESSES

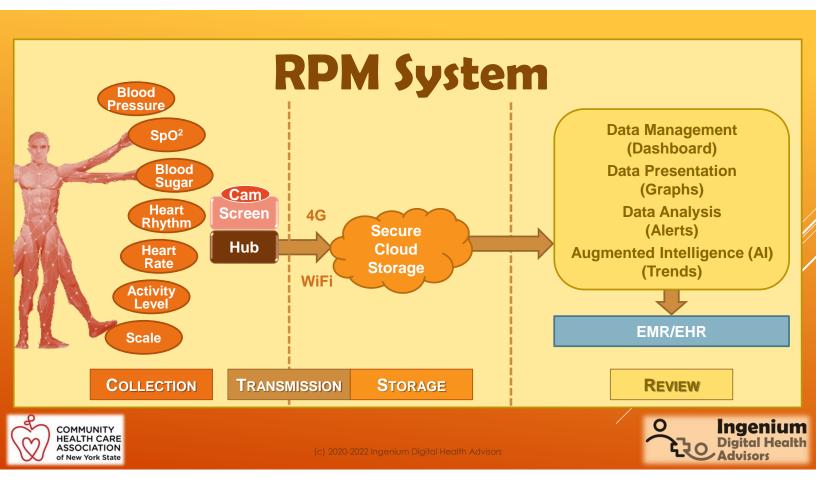
RPM DEFINITION

Remote Patient Monitoring Remote Physiological Monitoring

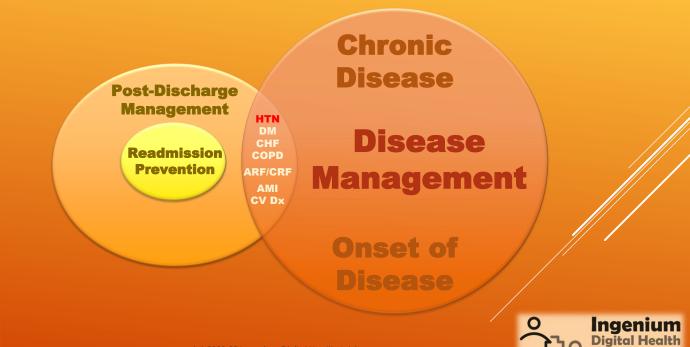
The continuous or periodic collection, transmission and review of physiological data to inform care decisions.







CLINICAL USE CASES

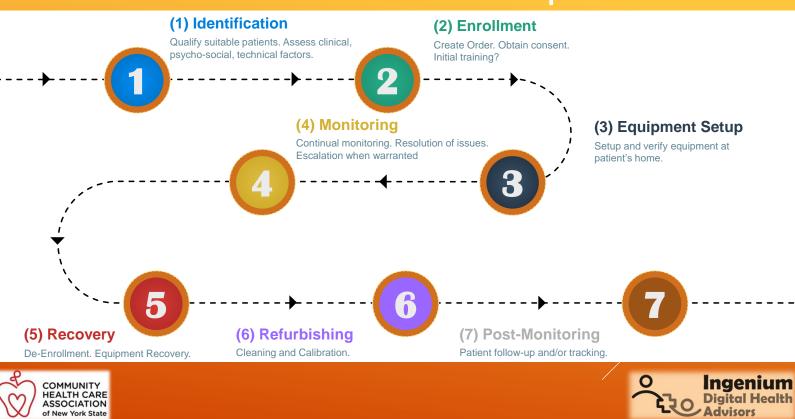


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RPM Workflow Roadmap



RPM TECHNOLOGY OPTIONS



VENDOR OPTIONS

People

- monitoring staff
- patient training
- > delivery
- home setup
- retrieval
- cleaning

Technology: Hardware

- vital sign devices
- transmission hub

Technology: Software

 patient dashboard, tracking and analysis

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- EHR integration
- patient user interface
- patient communication (messages, video)



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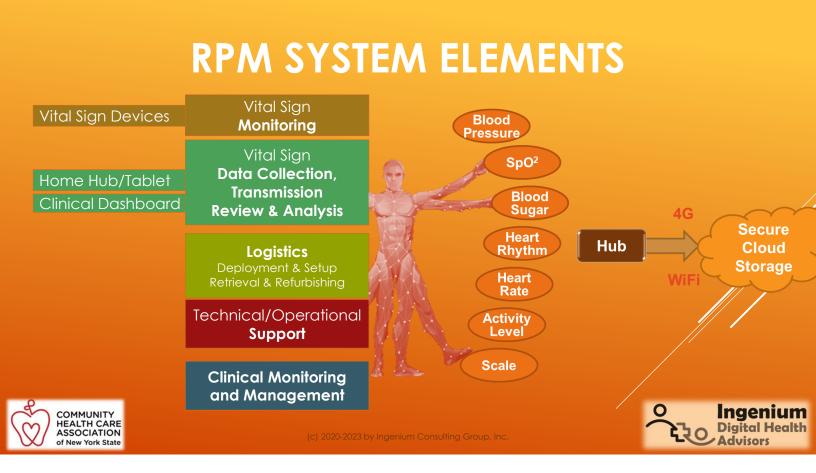
WORKFLOW DRIVES TECHNOLOGY

Don't put the horse behind the cart

 WORKFLOW (User Experience)
 If CCHNOLOGY (OR VENDOR)
 First, design your clinical, operational, and financial workflows
 Then select the technology or service that best fits your needs

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VITAL SIGN MONITORS

- Connectivity Options
 - Direct 3G/4G, "Internet of Things" (IOT)
 - Bluetooth "auto"-paired to hub
 - Bluetooth manually paired to smartphone

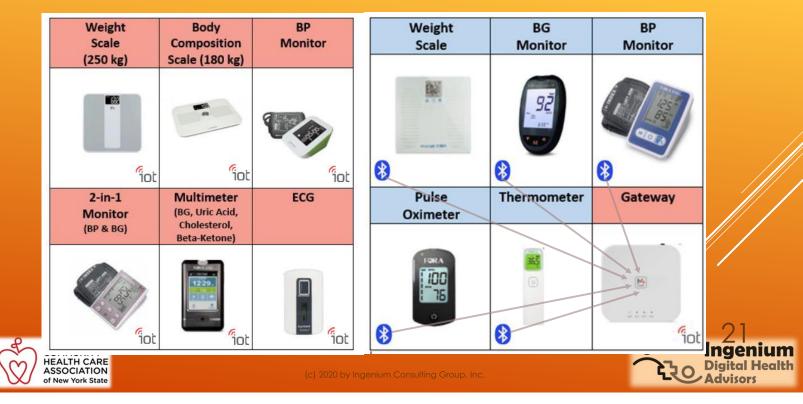


Vital Sian

Monitoring

VITAL SIGN MONITORS

Vital Sign Monitoring



BLUETOOTH VS. CELLULAR VITAL SIGN DEVICES

Bluetooth

- initially cheaper
- connects to Hub
- hub uploads via Internet or Cellular
- connection problems are common

Cellular

- more expensive
- data plan charges
- no hassle uploads w/ cellular coverage
- could result in greatly reduced support cost





A FEW VITAL SIGN MONITOR VENDORS Vital Sign Monitoring AD M-edisanté **ChoiceMMed A&D Medical** *iHealth* Biofourmis WelchAllyn^{*}



Sensing tomorrow™







HealthSnap

medisana.



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RPM HOME KITS

Vital Sign Monitoring



PORTABLE EXAM CASES







RPM MONITORING PLATFORM FEATURES

- Patient Dashboard w/ Status
- Data Presentation, Data Review
- Care Management Time Tracking
- Clinical Pathways
- Inventory Management
- Patient Education
- Predictive Analytics / "AI"
- ▶ etc.



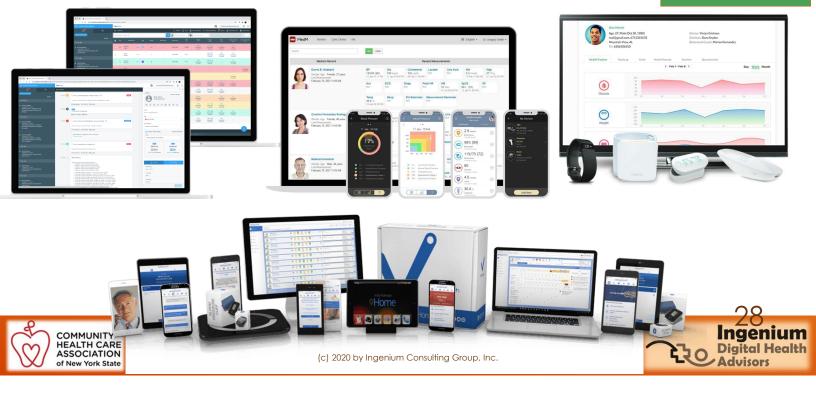
Vital Sign Data Collection, Transmission Review & Analysis



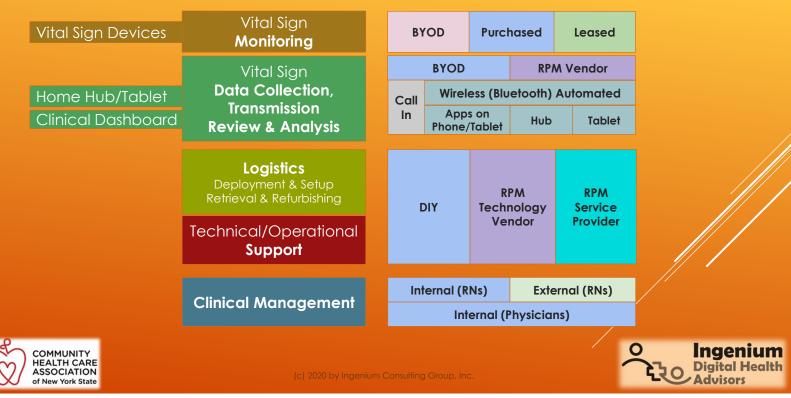
Vital Sign SOME RPM/CCM VENDORS Data Collection, Transmission **Review & Analysis** optimize.health **ONETOUCH V**ivifyhealth CareSimple Life365°.health BLUESTAR TELEHEALTH Eko welldoc. pippeat Health Recovery Solutions phys iQ CADENCE accuhealth. **⊚mmHg** Reconnect 4 Health VALIDIC Conecting Care Everywhere CLOUD DX **ONE ViTel**Net HEALTHCARE **SOLUTION™** wellbox Athelas Ingenium COMMUNITY HEALTH CARE ASSOCIATION **Digital Health** (c) 2020-2023 by Ingenium Consulting Group, Inc. **Advisors** of New York State

CLINICIAN DASHBOARDS

Vital Sign Data Collection, Transmission Review & Analysis



RPM SYSTEM OPTIONS



RPM MONITORING STAFF OPTIONS

	Clinical Activities	Logistics	
Option A	Health Center Nurse (HC RN)		
Option B	HC RN	Outsourced	
Option C	Outsourced		
Option D	HC RN w/ outsourced backup		





MONITORING NURSE

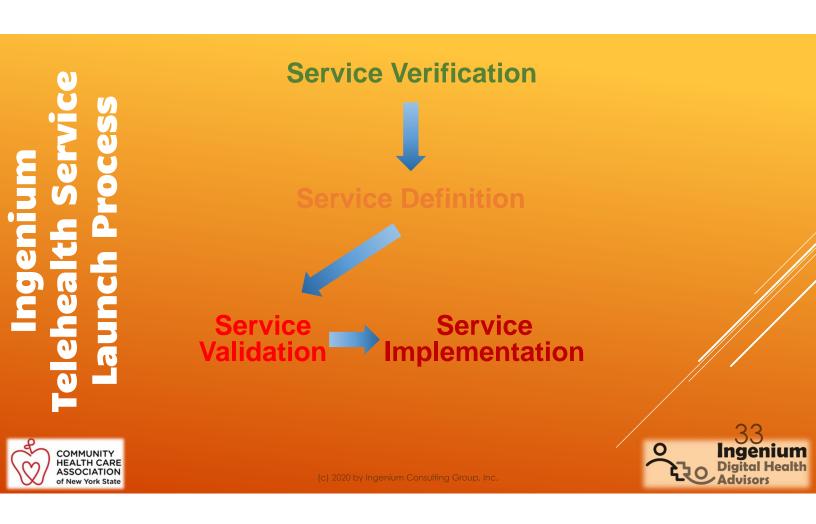
- > 1 FTE for approx. 250 patients (but 0.2 FTE for ~25 pts.)
- Various providers to outsource your monitoring staff
 escalating care to provider only when needed
 - Many are tied to their own RPM solution (e.g., Cadence Health, Optimize Health, etc.)
 - Some are technology-agnostic (e.g., Reconnect4Health)







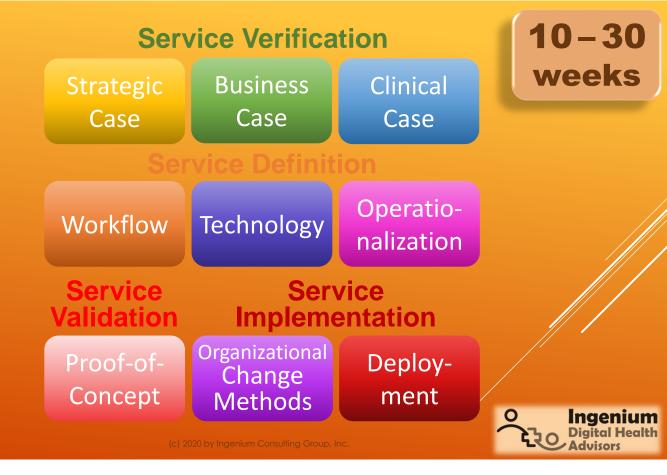
LAUNCHING REMOTE PHYSIOLOGICAL MONITORING

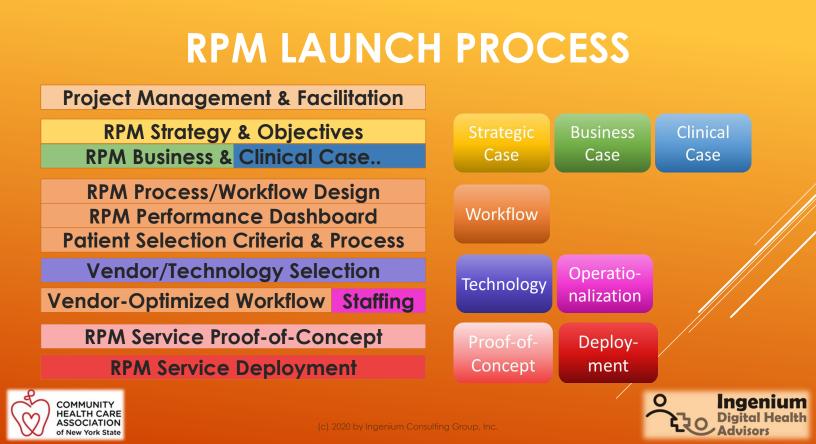


Ingenium Telehealth Service Launch Process

> COMMUNITY HEALTH CARE ASSOCIATION

of New York State





RPM SERVICE DESIGN & DEVELOPMENT

Workflow

Technology

Operationalization

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- 1. What is the desired, 'happy day' workflow?
- 2. What are the alternate & exception scenarios?
- 3. What are the features we expect from the Technology?
- 4. What Technology(s) can implement this service?
- 5. How do we operationalize the processes?



RPM SERVICE DESIGN & DEVELOPMENT

Mindset: A New Clinical Service Offering

Don't start with Technology!



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any vendor will gladly take your money."

#RequirementsEngineering

Christian Milaster Digital Health Transformation Advisor

IngeniumHealthcareAdvisors.com

TECHNOLOGY SELECTION

Don't put the Horse behind the Cart: Define workflows & requirements first, then select a solution.

- Requirements include
 - > User Experience: Clinicians, Patients, Staff
 - Features & Capabilities: e.g., copays, assessments, in-visit/post-visit communication, etc.
 - Integration Needs: e.g., EHR, Scheduling





Technology

VENDOR SELECTION

- STRATEGIC CASE: How is this supportive of your organization's strategic objectives?
- CLINICAL CASE: What are your clinical goals? Which segments of your patient population will benefit from RPM?
- FINANCIAL CASE: What are your financial goals?



VENDOR SELECTION CRITERIA (SAMPLE)

- User Experience
 - For Patients
 - For Monitoring Nurse
 - **For Providers**
 - For Support Staff
- Workflow Compatibility
 - Can it accommodate your desired workflows?

- Feature Set
 - Number of vital signs
 - Bluetooth vs. Cellular vs. WiFi
 - Dashboard, Analysis
 - ► etc.
- EHR Integration
 - Level of integration
 - Ease of navigation to/from EHR



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EVALUATING RPM SOLUTION VENDORS

- Patient Satisfaction, measured as Patient Adherence and Engagement
- Staff Satisfaction, for clinicians, monitoring nurse and support staff

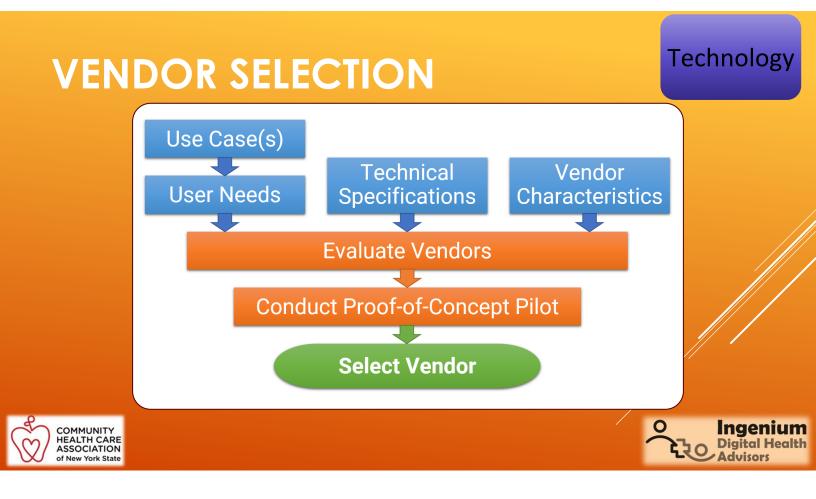
Add-On Features: co-pay collection, patient communication, patient education

> Funding, Leadership Team, Experience





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MATRC VENDOR SELECTION TOOLKIT

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COMMUNITY HEALTH CARE ASSOCIATION

of New York State

After the Q&A

Proof-of-Concept Key Takeaways Action Items Webinars Outlook

Contact Info:

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



Proof-of-Concept

The Purpose of a **Proof-of-Concept** is to

Validate Assumptions



Are you still using Telehealth Pilots?





PROOF-OF-CONCEPT

Validate Assumptions

- Identify & Recognize Assumptions
- Define ways to measure / validate
- Small-Scope Launch
 - > a few clinicians, a few sites, etc.
- Continuous Service (Process) Improvement



PROOF-OF-CONCEPT

Not time boxed; not driven by number of visits

- Could last 2 weeks or 6 months
- Success Criteria
 - Confidence that all critical assumptions have been validated.
 - Confidence that all workflows are well defined, and that the technology is reliable and usable.





Proof-of-Concept



Proof-of-

Concept



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
- 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
- How often is dashboard checked?
- What resources can you use to monitor vital signs remotely?
 - 1) How is the equipment supplied?
 - > 2) How are technical problems dealt with?
 - S) How does the information get inputted into ECW?
 - 4) Is this billable for nursing visits?
 - 5) How to get RPM equipment to my patients
 - 6) How to incorporate RPM into patients' care





KEY TAKEAWAYS

Put your Major Insights, Learnings into the Chat.

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4 KEY TAKEAWAYS

- Workflow & User Experience First
- Technology is an Enabler, not the Solution
- Start small What's the Simplest Thing that Could Possibly Work?
- Use Proof-of-Concept Approach: Validate Assumptions





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.,

 Interview your Providers about their desired user experience when managing patients on RPM.





