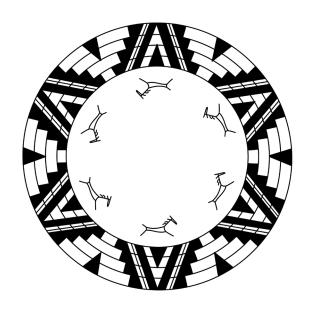
Remote physiologic monitoring for improved diabetes care

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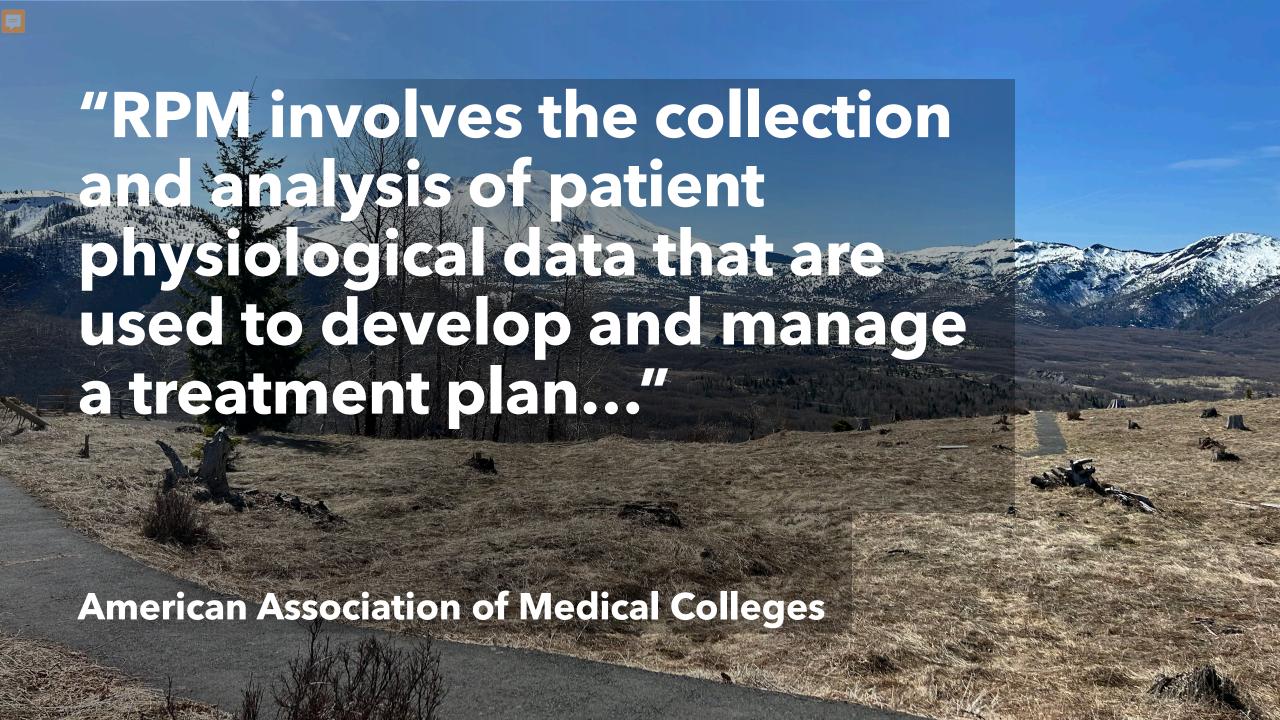




After this presentation, attendees should be able to:

- Describe the benefits of cellular connected RPM devices for patients and clinicians
- Outline a process for incorporating RPM into the diabetes management workflow
- Assess the future of blood glucose RPM technology for diabetes management in the context of CGM and other limitations

Objectives





Symptoms/Conditions

High blood pressure

Diabetes

Weight changes

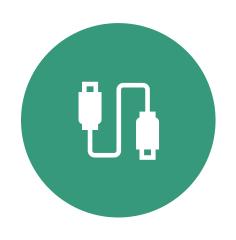
Heart conditions

COPD

Sleep apnea

Asthma

Discussion: Experience with RPM



WHAT DEVICES/ CONDITIONS?



WHAT WAS SUCCESSFUL?



WHAT WAS CHALLENGING?

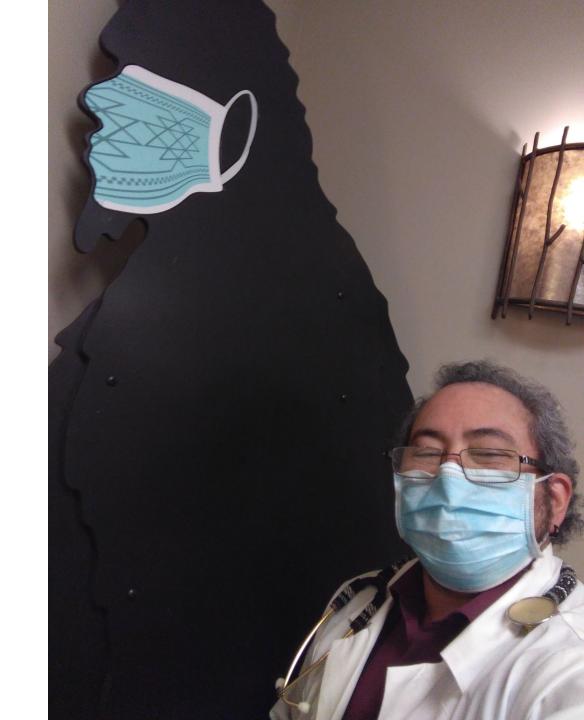
The CIT Health Clinic

- Tribally-run outpatient clinic
- Staffed by:
 - 2 full-time nurse practitioners
 - 1 part-time MD
 - 2 RNs
 - 3 MAs
- Wellness & Diabetes Program:
 - 1 CDCES
 - 1 Health Education Assistant
 - 3 Garden Staff
- About 120 active patients with diabetes, mostly type 2



The CIT RPM Program began in 2020 in response to the pandemic.

- Fewer in-person visits
- Unable to download glucometers
- Link between diabetes and COVID
- Patient isolation from family, caregivers





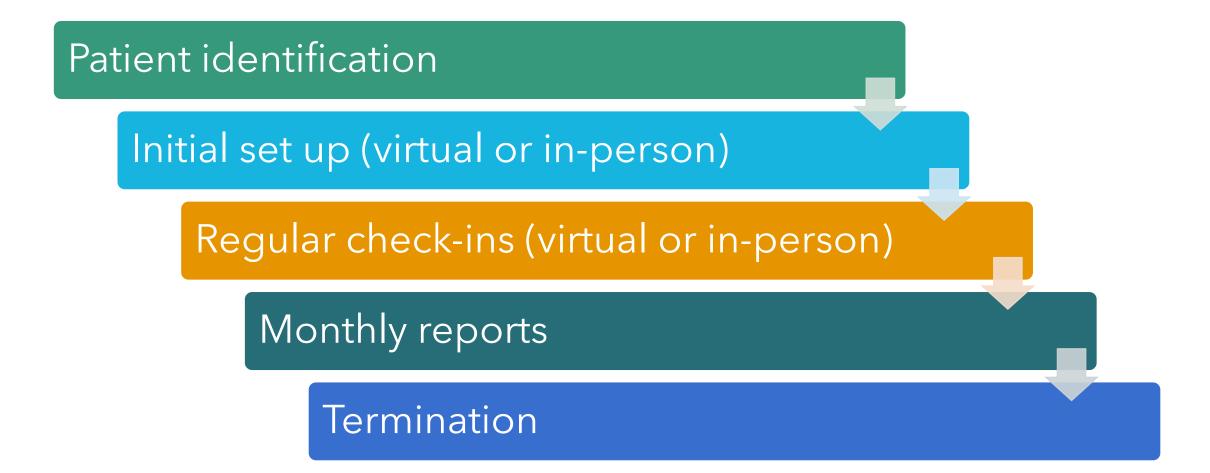
Selecting a Meter

- Ease of use clients
- Ease of use clinicians
- Cost
- Integration with system





Clinic Processes



Patient Identification

- Benefit from close monitoring or increased accountability
- Willing to check blood glucose at least daily
- Willing to connect over the phone at least monthly
- Frequent medication or care plan changes
- Not eligible/appropriate for continuous glucose monitoring



Conducted by CDCES

Supplies provided or shipped to patient

Device registered to patient's profile

Instructed on:

- Use of device
- BG check frequency & targets
- Program requirements
- How to request more supplies
- When to contact clinic

Charted in standard note template

CPT code: 99453

| RPM_INITIAL | May 02,2023@08:00 | Fine,Alyssa C | Change | Vst: FINE A

START TIME: 1pm END TIME: 1:30pm

POV: Diabetes type 2 with hyperglycemia;

Patient presents for initial device set-up and education on remote physiological monitoring system for blood glucose.

Patient consents to participating in remote physiological monitoring program to assist with diabetes management.

Order placed for meter distribution on 02-May-2023 by T. Taylor for the management of type 2 diabetes.

iGlucose Blood Glucose Monitoring System set-up for patient, including setting proper date and time and registering device on population management software.

The serial number of the device is xxxxxx.

Device and supplies were provided to the patient via mail at a previous date. Patient has meter to reference during this educational visit.

The following education was provided to the patient regarding use of the device:

- + How to use device to check blood sugars
- + How and when to charge device
- + How to log-in to online account and set up alerts for testing
- + How to access device support/help services

Patient was instructed to test their blood sugars 2 times per day at the following times:

Fasting, Post-prandial

Explained to patient that device support may be discontinued if testing schedule is not followed as prescribed or patient does not engage in monthly treatment management sessions.

Patient has adequate understanding of device use and expectations. Provided with contact number for questions or concerns.

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Regular Check-Ins & Data Review

- Conducted at least monthly by CDCES
- Review of blood glucose data
- Telephone calls or in-person visits with client as appropriate
- Charted using standard note template
- Patient tracked on i-care
- CPT code: 99457/99458

Patient expresses understanding and agreement with plan of care.

Will follow up with patient in 1 months

| RPM_CHARTING | May 02,2023@08:19 | Fine Alyssa C

RPM DATA REVIEW

Diabetes type 2 with hyperglycemia;

Fine Alvssa C

Reviewed patient's RPM blood glucose results for last 30 days. The following patterns were identified:

Patient has been checking BG 2-3 times per day. Checking fasting daily and then also checking post-prandial after lunch or dinner. Readings are generally in target, fasting is 80-110 and post-prandial generally 130-150. Occasional higher readings post-meals, over 200. No evidence of hypoglycemia. Range of 77-220 and average of 135.

Will discuss the following diabetes management suggestions with patient and/or provider:

-Dietary changes to reduce post-prandial readings

8 minutes spent in data review.

Monthly Reports

- Conducted by the Health Education Assistant
- Required elements:
 - Number of days of data collected
 - Treatment plan changes
- Charted using standard note templates
- Uploaded reports into EHR
- CPT code: 99454

Fine Alyssa C Change...

RPM MONTHLY SUMMARY REPORT

Data from patient's RPM blood glucose device was received 28 days in Apr 2023. See attached report.

25 minutes were spent in utilizing the data results to make treatment management decisions, including discussion these results with the patient.

The following diabetes management decisions were identified by the patient's care providers this month:

Medication changes, Nutrition changes, Referrals provided for specialty or follow-up care

Not utilizing meter

Not answering phone calls/engaging with care providers

Care plan changes no longer required

SBGM replaced with CGM

Termination

Successes

Ease of use for clinicians and clients

Connection with patients during the pandemic

No more forgotten glucometer at visits

Remote patient welfare check

Accountability for patients

Reinforces importance of SBGM

Billable service

Poor cellular service

Tech glitches

Integration with EHR

Monthly report

Patient supply request process

Challenges

What's next?

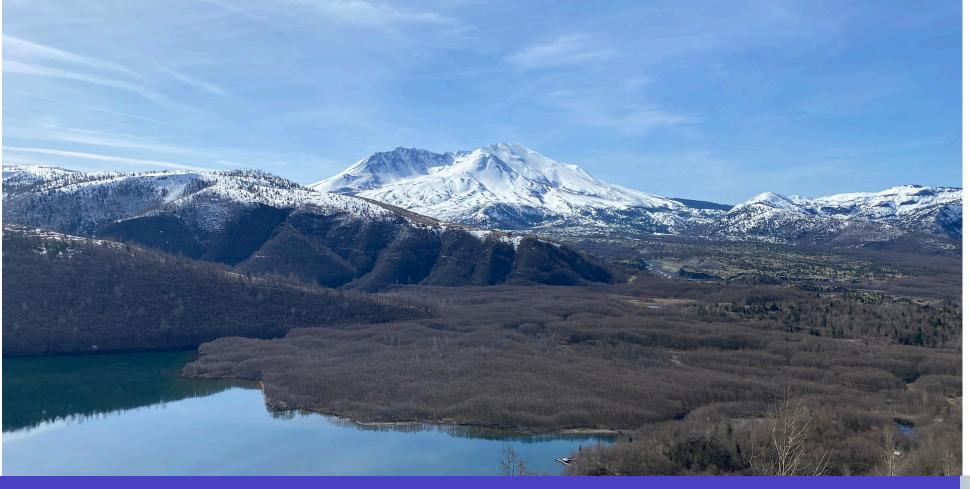
- Move toward CGM technology
- Smaller cohorts for shorter times
- Continued emphasis on self-monitoring and remote data collection



Discussion

- Would this be applicable for your clinical practice?
- What is your opinion on the use of cellular devices?
- What may get in the way of implementing a similar program?





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Thank you

