Better Data
Better Workflows
Better Decisions
Better Outcomes
Better Healthcare.

rimidi
Time for Better.
Managing Postpartum Hypertension with Rimidi’s FHIR-Enabled Cardiometabolic Management Platform

Dr Lucienne Ide, MD, PhD
CEO, Rimidi
One Platform, Multiple Clinical Use-Cases

Disease States:
- Diabetes
- Cardiovascular
- Heart Failure
- Obesity
- Fatty Liver Dz
- Respiratory

Device Integrations:
- Blood glucose meters
- Continuous glucose monitors
- Blood pressure cuffs
- Scales
- Pulse Oximeters
- Digital Inhalers
One Platform, Multiple Clinical Use-Cases

Disease States:
- Diabetes
- Cardiovascular
- Heart Failure
- Obesity
- Fatty Liver Dz
- Respiratory

Device Integrations:
- Blood glucose meters
- CGMs
- Blood pressure cuffs
- Scales
- Pulse Oximeters
- Digital Inhalers

SMART®

FHIR
Brining RPM Data and Disease Management to the EHR

Remote Physiologic Monitoring

Patient Reported Outcomes

Aggregation & EHR Integration

Clinical Decision Support

API

DSU2 R4

CDS Hooks

Brining RPM Data and Disease Management to the EHR
EHR Integration Drives Workflow Efficiency

- Rapid Implementation
- Single Sign-On (SSO)
- Data Exchange
- Embedded User Experience

EHR solutions
SMART on FHIR application

- App Orchard
- Cerner Code Developer Program
- athenahealth marketplace
- nextgen healthcare
- MEDITECH
- SMART on FHIR
Post-partum Hypertension at Boston Medical Center

A 514-bed academic medical center
The largest safety net hospital in New England
Epic EHR

80% of obstetric patients on public insurance
75% are Black or Latinx
30% postpartum patients have hypertensive complication

15% of obstetric patients have housing insecurity, food insecurity or both.
Workflow Integration is Key

**Enrollment**
- Unit clerk launches Rimidi in inpatient EHR, dynamic record creation in Rimidi
- Rimidi reads patient, problem, medication, allergy, immunization, observation resources
- Assign BP cuff and send home with patient

**Monitoring**
- Outpatient nurse follows up with patient to confirm appointment
- Outpatient nurse monitors patient for 6 wk with assistance of CDS and 2-way text messaging
- Automated messaging to patient for missing or extreme readings

**Transparency**
- Home BP readings posted to flow sheets using HL7 web services
- Providers outside of OB have access to home data and available for dot phrases in notes
- (coming soon) Note posted from Rimidi to Epic using document resource
Configurability for Workflow Optimization

Patient groups streamline monitoring

Configurable CDS Hooks and Alerts

- **High BP Alert**: Indicates a home BP reading taken in the last 3 days exceeded threshold (default is 150/100).
- **Low BP Alert**: Indicates a home BP reading taken in the last 3 days fell below threshold (default is 80/60).
- **Missing BP readings**: Indicates no home BP readings in 3 days.
- **Due for discharge**: Indicates patient is postpartum has been in the program for 6 weeks.
- **New Message**: Indicates an incoming message received from patient.
- **Message Undelivered**: Indicates patient has an undelivered message.
- **Recent Discharge**: Indicates patient is newly discharged and added to the platform the previous day.
- **Severely Elevated BP**: Indicates BP reading received greater than or equal to 160/110.
Building on Engagement and Success

Monthly Active Clinical Users

Engagement Metrics – 6 month period

- Total blood pressure readings: 8922
- High blood pressure alerts: 913
- Low blood pressure alerts: 174
- Messages sent to patients: 700
- Messages sent by patients: 93
Success Measures and Publications

- ~99% patient participation rate
- 17 unique measurements from enrolled patients over 6-week enrollment
- Usage similar across racial and ethnic groups

Black women are more likely to get sick and die from pregnancy. A simple medical device could help
Building on Success

Expansion of Antepartum Hypertension and Gestational Diabetes monitoring
✓ Continuing supporting data analysis and insights

Further optimization of workflows
✓ Document write
✓ Inclusion of EDD and Delivery Date data elements

Implementation in non-Epic environments
✓ CDS Hooks support, data write-back support, available data elements
Questions?

@lucienneide
@jointherimidi
lucie@rimidi.com
rimidi.com