

# **MATRC 2016 Connected Care Showcase**

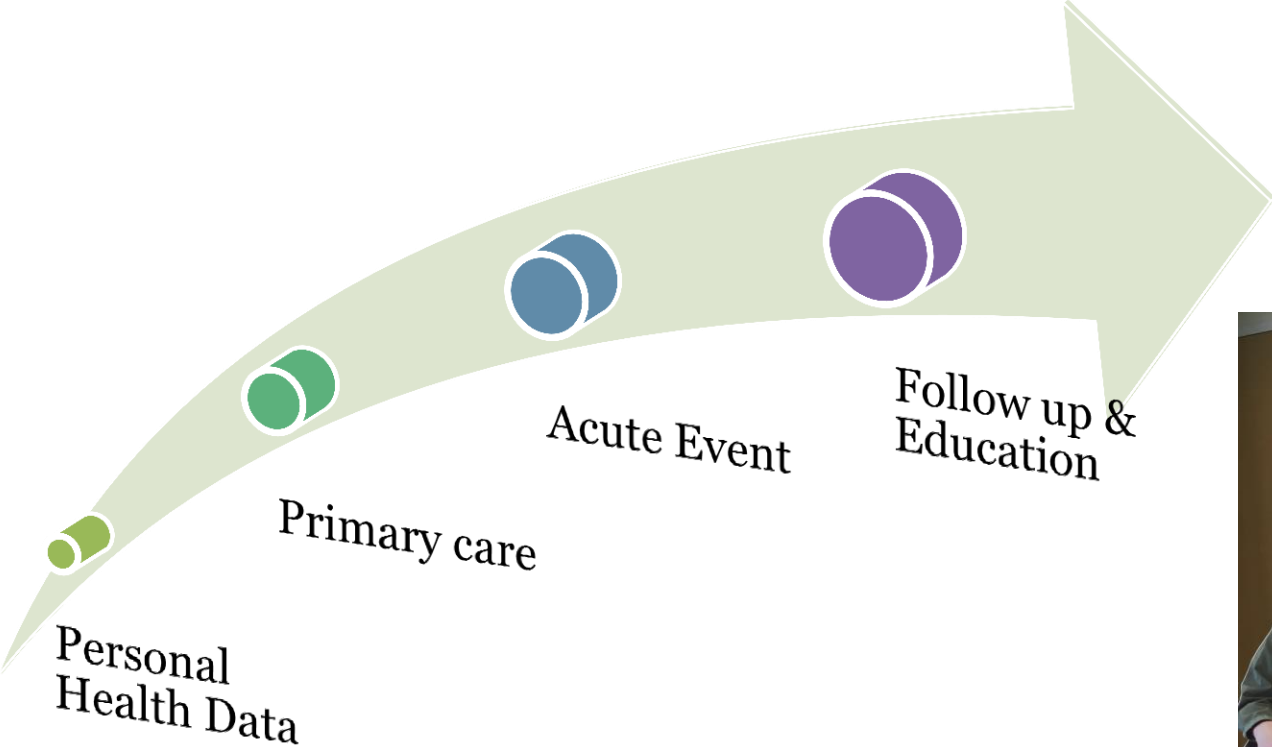
Listening Forum on Federal Tele-health Policy

April 12, 2016

**Can data integrated across a continuum of care  
change personal and population health outcomes?**

**HIPAA**      **Cost**      **Privacy**      **Reliability**      **Regulations**  
**User adoption**      **Interoperable**  
**Ease of use**      **Security**      **Insurance**      **Licensing**  
**Reimbursement**      **Connectivity**

# What do we mean by all this connected talk?



Personal Health  
Data shared  
across the



• **Kiosks and Wearables**

Activity Trackers, Health Kiosks

• **Follow up & Education**

Home Monitoring, Online Education

• **Primary Care**

DTC APPS, PEMR

• **Acute Event & Hospitalization**

Pre-Hospital Assessment  
Telemedicine  
ICU



# Thought Exercise

**How would healthcare change with centralized information available and was easily accessible?**





# Let's set-up the story of Dave

## **The Premise**

We examine what completely integrated healthcare data that is accessible for the patient and healthcare practitioners, would look like ~ from wellness, to primary care, for acute care events, and then post-discharge/return to wellness at home.

## **The Story**

Dave Everyman is 57 and has been healthy his whole life, does not have a primary care provider and pursues healthcare only when acutely ill.

Dave considers change when several good friends at approximately his age are having heart attacks and strokes.

# Kiosks and Wearable's



- Health Kiosk and Wearable data collection
  - centralized data base that can be reviewed personally or by health care providers and see trends.
- Healthcare Portal account with BP DATA
  - access his BP history on the kiosk or on-line
- Research & Scheduling
  - Concerned with outcome data Dave makes a DTC appointment with his Primary Care doctor

# Primary Care



- **EMR kiosk/APPS/ PCP Evaluation**
  - check-in kiosk and/or app links directly to a secure Health Information Exchange
  - unique medical patient identification number that will be used by all electronic health systems to pull data into his Patient Centered Home Electronic Medical Record (EMR)
  - PCP is able to view the data from the BP and activity monitor readings.
- **Patient Education and Self-monitoring**
  - Dave is told by his PCP to monitor his progress before blood pressure medication is prescribed, with results going directly to his patient portal and his PCP



# Acute Event & Hospitalization

- **Urgent care via Direct To Consumer (DTC)**
  - Dave is on a family vacation and begins to feel poorly with very low energy, shortness of breath and some lightheadedness.
  - His Activity Wearable alerts him that his heart rate is unusually high and he contacts his DTC provider
  - On his way to the ED his vitals are sent ahead.
- **Acute care Monitoring/Tele-ICU**
  - is evaluated by a cardiac team from an urban medical center where the cardiologist is able to review the EKG
  - He is placed in the small Hospital ICU, the hospital does not have an intensivist so ICU is monitored remotely





# Follow-up Care & Education



- **Discharge and Follow-up**
  - At discharge Dave logs into his personal health portal to schedule a visit with his PCP. The integration of health information exchanges and the patient's national health ID will ensure the documentation of this hospital stay is recorded in his EMR
- **Secure Continued Communication**
  - options for care coordination and patient follow-up using secure messaging
- **Video on Demand Education**
  - follows through with his discharge instructions to review an educational Video on Demand
- **Nutrition education via video and/or App**
  - Dave is also advised to address his weight. He will use an app for compliance and nutritional education resources.