CDC POST DISCHARGE STROKE PATIENT DATA REPORTING APP

NATIONAL CENTER FOR CHRONIC DISEASE PREVENTION AND HEALTH PROMOTION

ORGANIZATION & KEY PEOPLE

- National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP)
  - Office of Informatics and Information Resource Management (OIIRM)
    - Jason Bonander MA (Director)
    - Arun Srinivasan PhD (Informatics Lead)   **Primary POC**
    - Sridevi Wilmore MPH (Informaticist)

  - Division for Heart Diseases and Stroke Prevention (DHDSP)
    - Jennifer Foltz MD MPH (director of Paul Coverdell Project)
    - Asha Krishnasamy MS (Informatics Advisor)
    - Sallyann Coleman King MD MS (Medical officer)

  - Northrup Grumman (Implementation Team)
    - Dana Bowlin (Project manager)
    - Fred Sieling PhD (Technical Lead)
    - Heather Patrick (HL7 SME)
    - Matt Krystof (Developer)

HEALTH INFORMANIACS

- Fayaz Adam   Developer/ QA/Project Manager

- Vinh Nguyen   Developer/QA

- Anirrudh Saddi   Developer/Documentation

- Gurpreet Singh Developer/QA

Academic Mentor
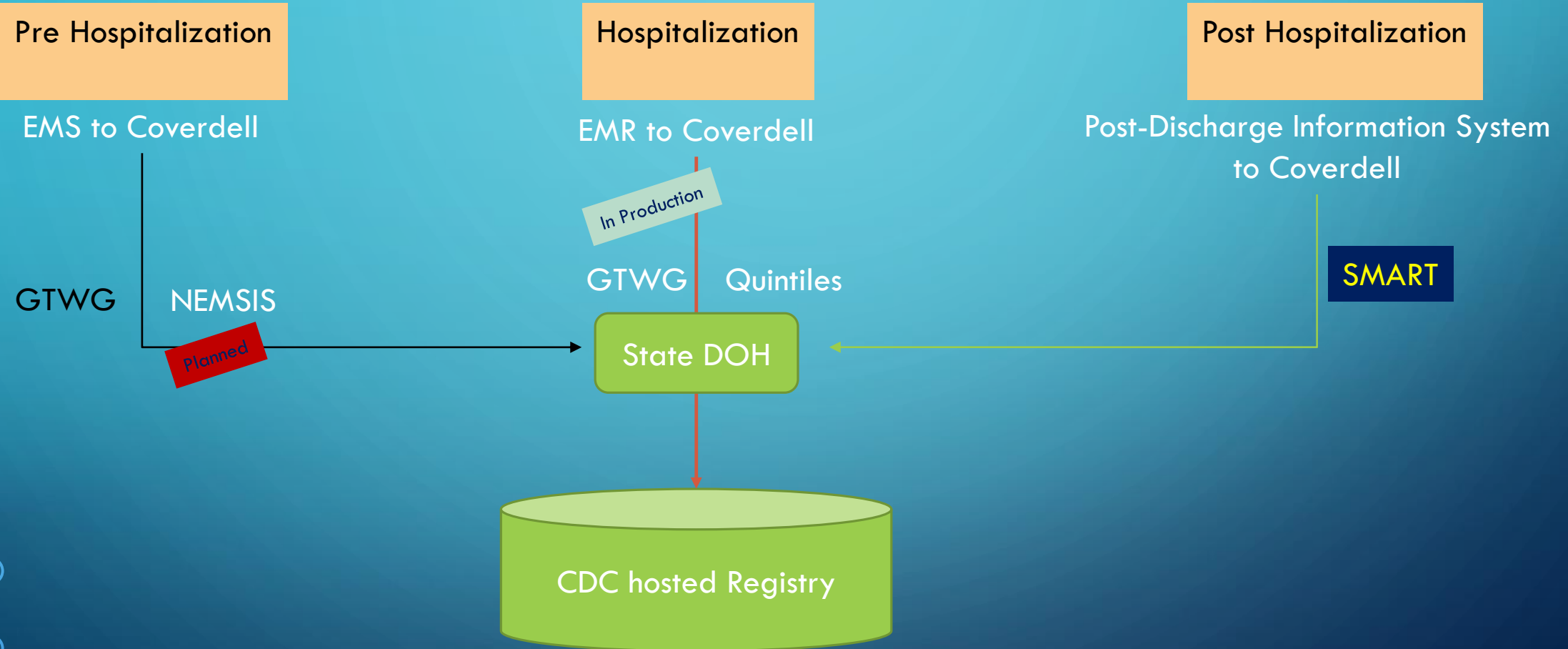
Head TA: Tia Pope   TA Mentor: Kelli McLure   Professor: Mark Braunstein
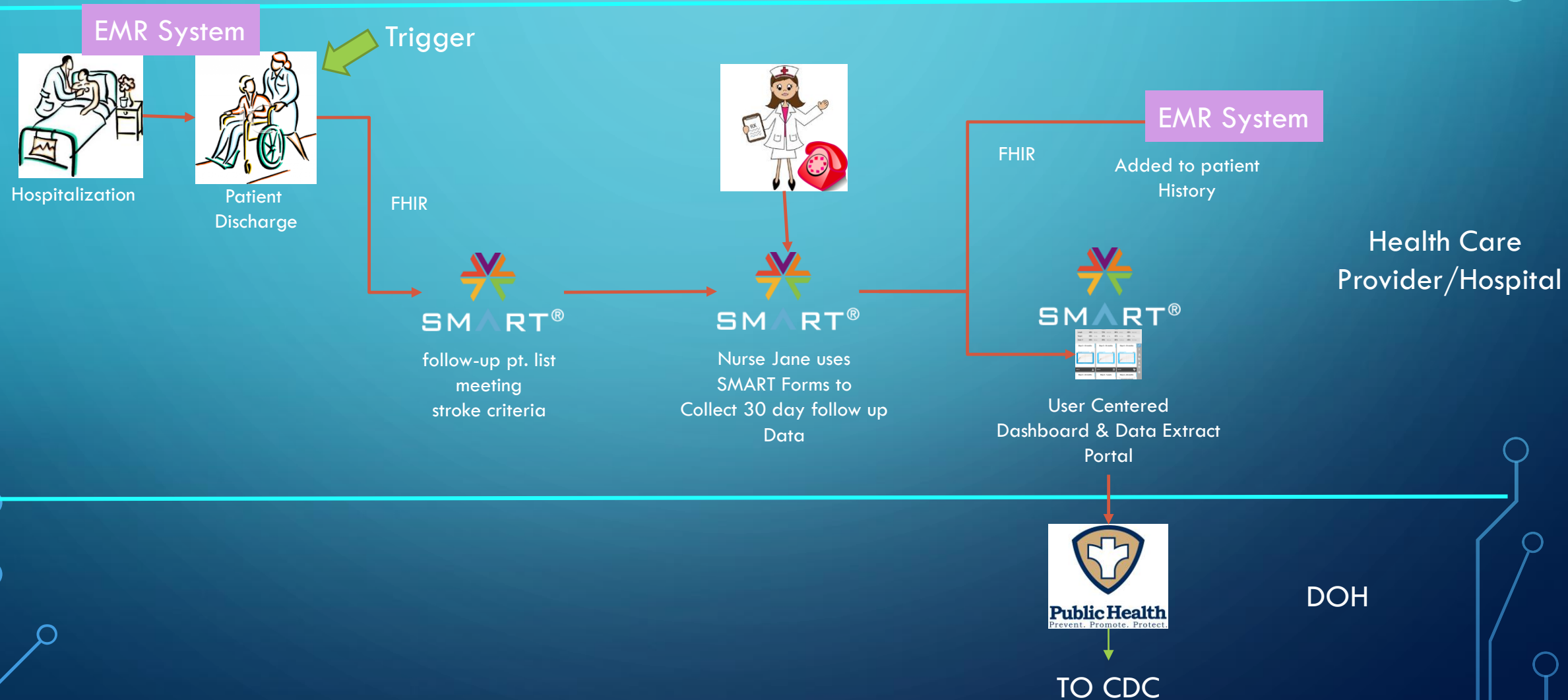
PAUL COVERDELL STROKE REGISTRY

- A National Acute Stroke Registry initiated in 2004 is a state-based registry to improve quality of stroke inpatient care.

- To evaluate stroke related data and guide quality improvement intervention

- Current operational work has been in the hospital inpatient setting

- Expanding scope to measure, track and improve the quality of care for patients from the onset of stroke symptoms through rehabilitation to recovery.
    - EMS
    - Hospitalization
    - Post discharge

Coverdell- SMART on FHIR – Post Discharge

EMR System

Trigger

Hospitalization

Patient
Discharge

FHIR

SMART®
follow-up pt. list
meeting
stroke criteria

SMART®
Nurse Jane uses
SMART Forms to
Collect 30 day follow up
Data

FHIR

EMR System

Added to patient
History

SMART®
User Centered
Dashboard & Data Extract
Portal

Health Care
Provider/Hospital

Public Health
Prevent. Promote. Protect.

DOH

TO CDC

GOALS

- Identify stroke patients for follow up data collection from patient records in an EHR

- Use smart phone/web-based interaction to collect additional data upon 30 days from discharge

- Submit as questionnaire response data back to EHR and add to the patient record using appropriate FHIR resource

- Generate a report to stroke registry using an approved file format

- Provide analytics on reporting

- Provide secure access, workflow and permission sets for healthcare providers, post discharge care provider and public health