THE TCN DATA PLATFORM

USING DATA FROM THE TRANSITIONS CLINIC NETWORK TO IDENTIFY POTENTIAL RESEARCH QUESTIONS

OBJECTIVES

- Review of TCN data collection
  - Data collection process
  - Data collected
- Introduction to the TCN data platform
  - Accessing the platform
  - Organization of the platform
  - Using data in the platform
- Team exercises with platform data
DATA COLLECTION

Engagement into the TCN

- TCN demographics
  - Gender, race/ethnicity, age (from DOB)
  - Referral source
- TCN Baseline survey
  - Socio-demographics (Education, residence, employment, income sources, etc.)
  - Incarceration history (length of last incarceration, prior convictions)
  - Health history (medical and behavioral)
  - Health care utilization (if any ED visits and hospitalizations since release)

DATA COLLECTION

After TCN engagement

- At 3 months intervals (Medical record abstractions or patient report)
  - Health care utilization (ED/ hospitalization visits)
  - Return to jail/prison
  - Changes in socio-demographics (e.g. education, employment, etc)
    - Data captured using multiple surveys (Follow up, Data abstraction, ED/Hospitalization, & Recidivism)

- Patient - Community health worker (CHW) interactions
  - CHW tracking form (within the first 6 months)
THE TCN DATA PLATFORM

- Contains de-identified TCN patient data
  (Only baseline data available on the platform for now)
- Accessing the platform
  - Internet (to access server)
  - User name and password

NAVIGATING THE TCN DATA PLATFORM

- Welcome page features
  - General
    - Adjust text size
  - Left panel (collapsible)
    - Patient data
    - Sort data folders
  - Right panel
    - Data display
    - Instructions & display selection
NAVIGATING THE TCN DATA PLATFORM

Left panel: Patient data grouped into folders and sub folders

Audio of title

Data display tabs:
- Graph type (line, bar, pie)
- Values as (y-axis scale)
- Theme (color, pattern)

Group tab: Select grouping variable

USING PLATFORM DATA

Left panel: Patient data under the socio demographics folder

Note: Left panel text color:
- Folders = black text
- Patient data (variables) = Green text (can be displayed)
USING PLATFORM DATA

- Single patient characteristic (variable)
  - E.g. Age groups

PATIENT AGE GROUPS

- Graph title
- y-axis
- x-axis
- Type=line; Value(y-axis)=percent; Theme=color

Graph title
- y-axis
- x-axis
- Type=column (bar); Value(y-axis)=value(count); Theme=pattern

Variable on x-axis
PATIENT AGE GROUPS

Type=pie; Value=percent; Theme=color

USING PLATFORM DATA

- What if want to look at two patient characteristics
  - E.g. Distribution of age groups by Gender [Select Gender(grouping variable) from dropdown list of “Group by” first, then click on age groups(variable of interest)].

Counts of age groups
Grouping variable (x-axis)
EXAMINING TWO VARIABLES

- What if want to look at two patient characteristics
  - For example, distribution of age groups for Men and Women

PLATFORM DATA: EXAMINING TWO VARIABLES

- When looking at two variables
  - Grouping variable is on x-axis
  - Cannot select Pie-chart in graph type
  - Grouping variable determine shape
    - E.g. Gender grouped by age groups
USING PLATFORM DATA: ACTIVITY

- Split into teams
- Complete team exercises using the TCN web based platform

PLATFORM DATA: NEXT STEPS

Improving the TCN Data Platform

- Upload follow-up data (healthcare utilization/recidivism)
- Improve functionality of the platform to examine more than two variables or a single TCN site
  - E.g. Select male participants, and among them look at education grouped by race
- Create functionality so that patient could compare themselves to the entire TCN population