
Health Care Hot Spotting: A Randomized Trial Lessons from the Field

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ABDUL LATIF JAMEEL
Poverty Action Lab

TRANSLATING RESEARCH INTO ACTION



Camden
Coalition
of Healthcare Providers

Link2Care Care Management Program



Target population:

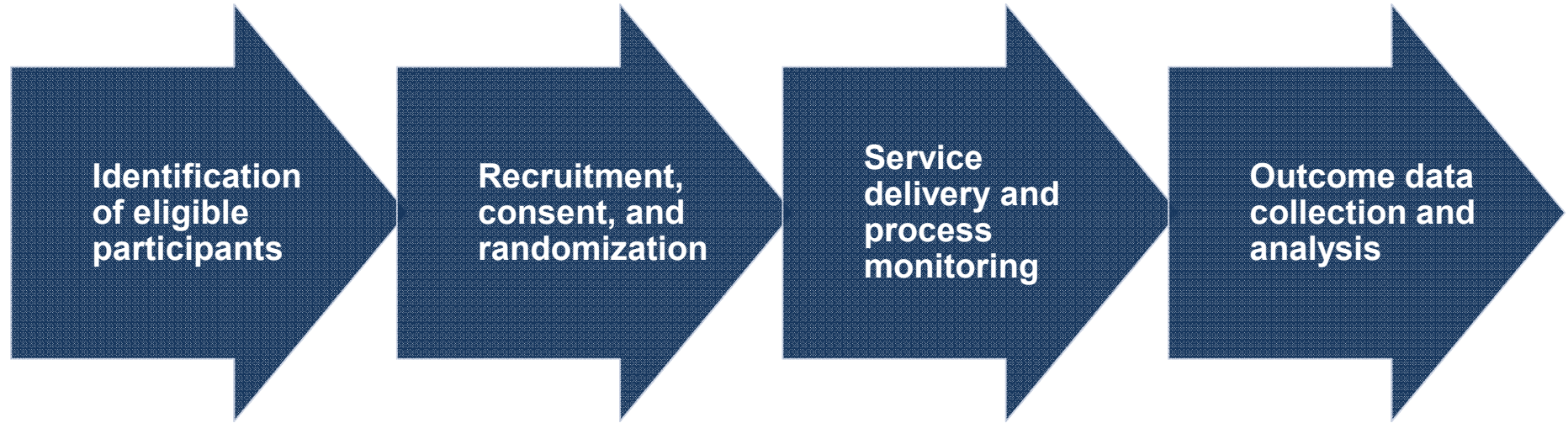
Adult high-utilizers of hospital care in Camden, New Jersey

- 2+ inpatient admissions in 6 months
- 2+ chronic conditions
- Medically and socially complex

Intervention:

- Multidisciplinary care team including RN, LPN, social worker, health coaches
- Home-visits and accompanying patients to initial PCP and specialty visits
- Supporting individuals as they navigate and enroll in social service programs

Study Workflow



Leveraging Health Information Exchange and hospital chart information

Leveraging the power of technology while staying mindful of the “human” in human subject research

Real-time data monitoring enables continuous process improvement

Leveraging administrative data and providing real time feedback on primary outcome using HIE



Identification of eligible participants



Identification
of eligible
participants



- HIE provides daily report of patients who have had 2+ hospital admissions in the last 6 months
- Staff reviews hospital chart data daily to further verify eligibility
- Staff capacity constraints made randomization feasible

Recruitment, consent, and randomization



Recruitment,
consent, and
randomization



- Targeted sample size: 400 controls and 400 intervention (06/2014-01/2017)
- 50/50 randomization using survey software on tablets
- Randomization after consent



Service delivery and process monitoring



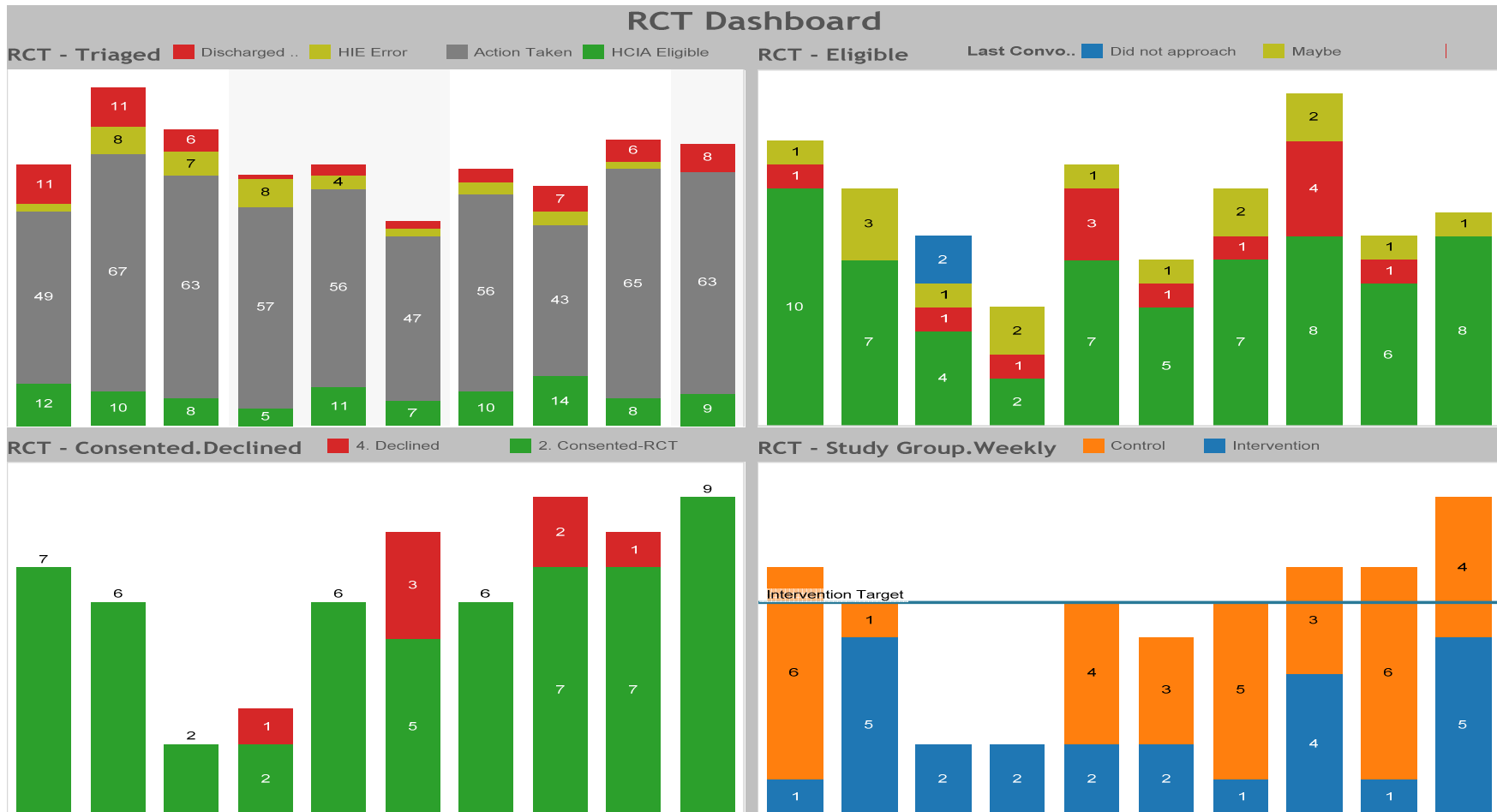
Service
delivery and
process
monitoring



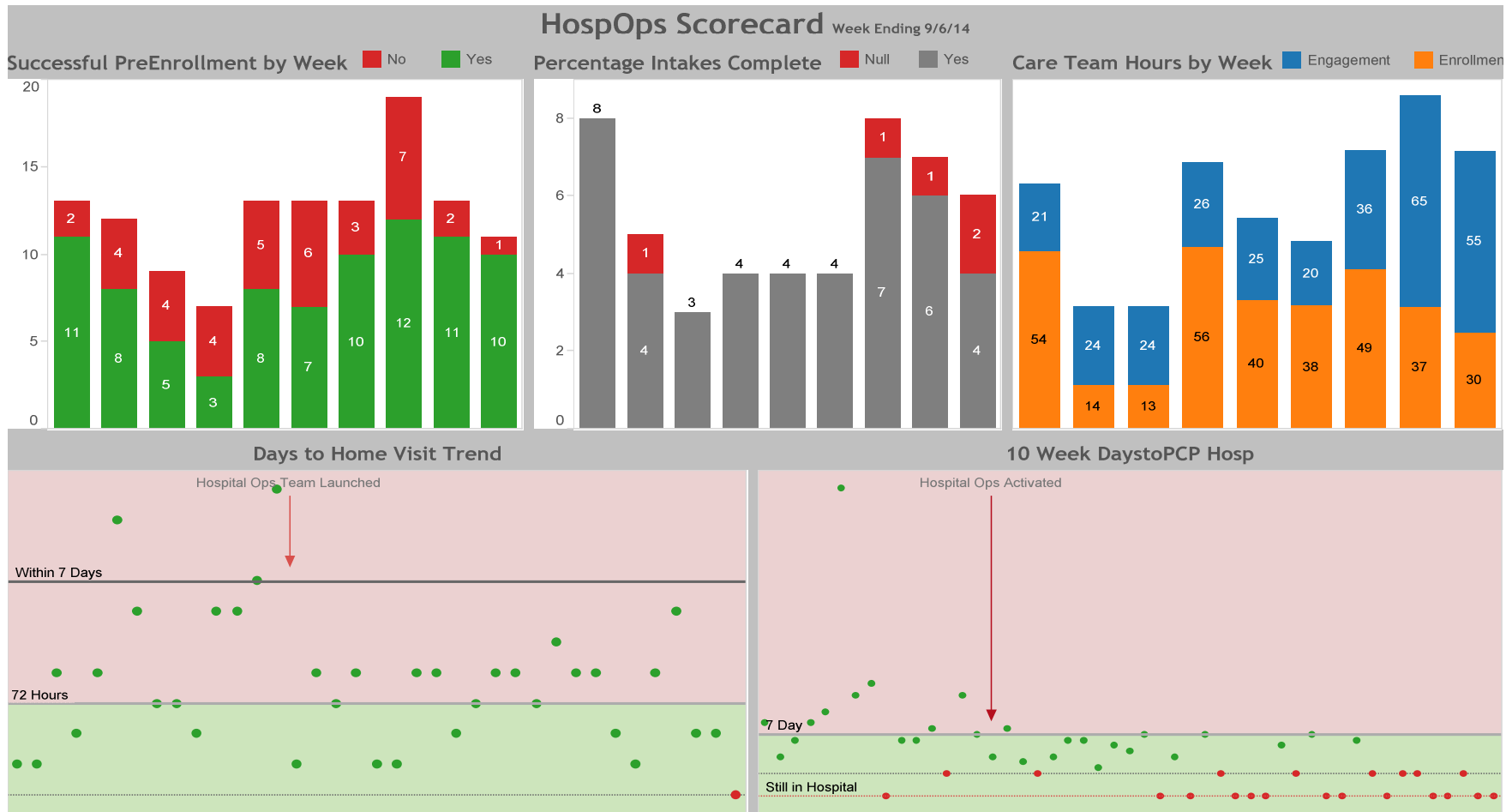
- **Daily and weekly dashboard tracks recruitment progress**
- **Real-time data recorded on service delivered to the intervention group -- informative on take-up after randomization and potential mechanisms of effect**



Service delivery and process monitoring



Service delivery and process monitoring



Outcome data collection and analysis



Outcome data
collection and
data analysis

- More than 250 study participants enrolled to date
- HIE data allows for real-time analysis on primary outcome (readmissions)
- Leverage administrative data for all outcomes
 - Claims data
 - Social service data from NJ Department of Health and Human Services

**Thank you and stay
tuned!**

