OUD Care Delivery Processes and Improvements Evaluation with LAN Partner Johns Hopkins Bloomberg School of Public Health Webinar

December 12, 2019

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Evaluating how the HAP LAN impacts OUD care delivery

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Department of Health Policy and Management
December 12, 2019
Goals of the Webinar

Describe how the JHSPH team plans to evaluate the HAP Opioid LAN

- Become familiar with the role of the JHSPH team
- Understand the research process: types of evaluation, data, timeline
- Understand how the information generated from this evaluation will be shared with and benefit hospital stakeholders in their efforts to improve OUD care delivery
LAN Community: LAN Partners and their Roles

<table>
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<tr>
<th>Organisation</th>
<th>Role</th>
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<tbody>
<tr>
<td>Vital Strategies</td>
<td>• Administer Bloomberg Philanthropies PA spending; oversee project</td>
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<td>The Hospital and Health system Association of Pennsylvania (HAP)</td>
<td>• Direct LAN initiative, engage PA hospitals, governance, build infrastructure</td>
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<td>HealthCare Improvement Foundation (HCIF)</td>
<td>• Manage the project and support implementation</td>
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<td>LAN Clinical Advisors</td>
<td>• Guide the LAN team; provide clinical and operational expertise; develop and deliver LAN content</td>
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<td>PA College of Emergency Physicians (PACEP)</td>
<td>• Advise and provide subject matter expertise</td>
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<td>Johns Hopkins Bloomberg School of Public Health</td>
<td>• Evaluate overall LAN impact</td>
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<td>Johns Hopkins Medical Center</td>
<td>• Provide clinical subject matter expertise</td>
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<td>LAN Hospitals</td>
<td>• Participate in LAN and project improvement work; share lessons learned and best practices; data collection</td>
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Our Team: Part of a larger team evaluating Bloomberg Opioid Initiative related projects

Elizabeth A. Stuart
Principal Investigator

Brendan Saloner
Principal Investigator

Haneefa T. Saleem
Qualitative Expert

Elli Leontsini
Qualitative Expert

Keisha Solomon
Post-doctoral Fellow

Esita Patel
Post-doctoral Fellow

Sydney Merritt
Research Assistant
Hospitals are a critical touchpoint for individuals with OUD.

MOUD is the gold standard for saving lives...

...but, many patients do not receive MOUD, even after an overdose.

We need more real world evidence.
The HAP Opioid LAN is unique - Evaluation will help stakeholders learn as much as possible from it

- This is one of the first statewide hospital quality improvement collaboratives addressing hospital based OUD care
- Evaluation can generate knowledge on:
  - How the LAN facilitated improvements in care
  - Which care processes were the most effective
  - Which components of a LAN were most useful
- Findings can help other states as they implement similar initiatives
PDSA: We are **Studying** so that others can **Act**

**ACT:** The Hopkins team aims to generate applicable knowledge on best practices and opportunities for improvement for OUD care.

**STUDY:** The Hopkins team will use a diverse array of methods to understand how the LAN impacts OUD care, which OUD care processes are most useful, and barriers and facilitators for implementation.

**DO:** Hospital leaders are implementing efforts to improve OUD care and participating in HAP Opioid LAN activities.

**PLAN:** The HAP Opioid LAN is helping hospitals in their efforts to improve OUD care.

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HAP Opioid LAN
So, what are we studying?

● We are using a mixed methods approach to study questions including:
  ○ How did the LAN influence the goals of increasing MOUD in the ED, warm hand offs to community providers, and inpatient MOUD care?
  ○ What were the barriers and facilitators to adoption of the HQIP pathways among LAN participants?
  ○ How did the LAN change outcomes for patients with opioid-related hospital visits?

● We will use the RE-AIM implementation science framework to guide the evaluation
RE-AIM Framework Overview

- Developed by Glasgow, Vogt, and Boles (1999)
- Widely used in public health to evaluate the impact of an intervention (program or policy)
- Examines both external and internal validity of an intervention
- Central tenet: ultimate impact of an intervention is due to its combined effects on 5 evaluative dimensions: Reach, Efficacy, Adoption, Implementation, Maintenance
Evaluation using RE-AIM (1)

Reach
- Participation rate within the target population
- Characteristics of participants versus non-participants
  - Estimate the proportion of patients who were admitted to an LAN ED and received any substance use treatment or medication for OUD in 2018-2021
  - Describe the characteristics of patients admitted to an LAN ED

Efficacy
- Impact of an intervention on specified health outcomes
  - Use quantitative analysis to evaluate the impact of participating in LAN on various opioid-related outcomes
Evaluation using RE-AIM (2)

Adoption
- Percentage and representativeness of organizations (hospitals) that adopt an intervention
  - Identify which hospitals intended to adopt interventions versus those that actually adopted them after 2 years

Implementation
- Degree to which an intervention is delivered as initially intended
  - Use an exploratory-descriptive qualitative design to assess:
    - Hospital staff perceptions on how hospital participation in the HAP Opioid LAN collaborative affected OUD care delivery in the ED
    - Key barriers and facilitators to implementation of HAP Opioid LAN
Evaluation Project Timeline

HAP LAN Kickoff

Aug 2019

Planning Stage

- Developing evaluation plan
- Finalizing DUAs, IRBs

Sept-Nov 2019

Hospital key contacts & champions webinar

Dec 2019

Finalizing Strategy

- Editing plan based on feedback
- Recruitment
- Pilot testing

Jan 2019

Qualitative Studies

- Ongoing data collection
- Transcription
- Coding

Aug 2020 - Apr 2021

Quantitative Studies

- Develop analysis plan, coding strategy, shells for tables and figures

Feb-July 2020

Dissemination efforts throughout project, including webinars, reports, and academic manuscripts
Thank You! Please reach out to us.

- Questions and/or feedback
- Opportunities to receive more information
- Opportunities to get involved

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Future Opioid LAN Events

• Webinars
  • December 19, 2019—11:00 AM
  • January 9, 2020—11:00 AM
  • January 23, 2020—11:00 AM

• Office Hours
  • January 16, 2019—11:00 AM
  • March 19, 2020—11:00 AM