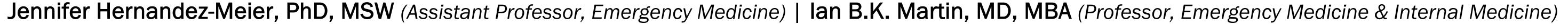
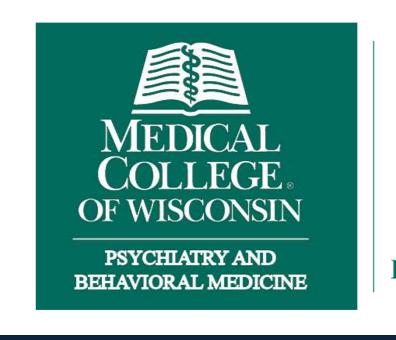
Collaborative Care in Acute Settings: An Integrated Approach to Psychiatric Care Within an Academic Emergency Department

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Introduction

- The proportion of Emergency Department (ED) visits primarily involving psychiatric concerns has been steadily rising¹⁻²
- 2010-2014 data from the National Emergency Department Sample identified mental health presentations (including substance use) as the second-most frequent ED presentation, with abdominal pain ranking as the most frequent³
- Challenges to caring for patients with primary psychiatric concerns in EDs include:
 - Prolonged ED lengths of stay (LOS)⁴
 - Resulting boarding and overcrowding⁵
 - Increased restraint use⁶
 - Negative financial impact⁷
 - Safety implications for patients and staff⁵

Unique and notable features of our innovative ED-based Psychiatry service line:

- 1) Joint administration by academic departments of Emergency Medicine and Psychiatry;
- 2) The medical and psychiatric evaluations of patients presenting to the ED with psychiatric concerns are conducted concurrently rather than consecutively for optimal efficiency and collaboration.

Many EDs have limited access to psychiatric expertise.

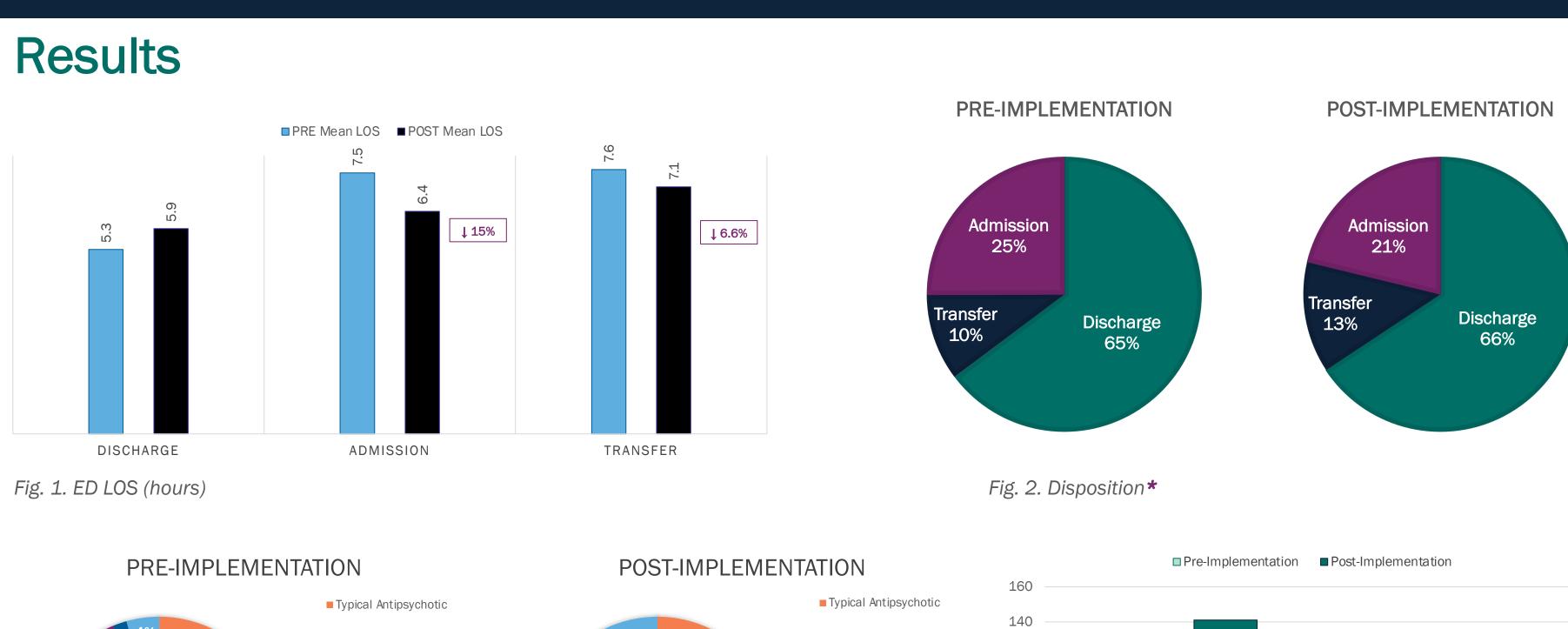
Methods 9/1/2019-8/31/2020 9/1/2018-8/31/2019 (Post-Implementation) 382 patients seen by the Pre-implementation new ED Psychiatry service period identified ED Suicide Report retrieved from Electronic Medical Record (EMR). 377 patient charts reviewed for diagnostic data, ED treatment Identifies patients who present to administered, ED LOS, and final the ED with a "primary psychiatric concern"* as documented by the triage nurse *EMR list of primary psychiatric concerns includes: **Psychosis** Schizophrenia Hallucinations 377 patient charts selected from Depression report using random number Drug problem **Substance Withdrawal** Suicidal Ideation Randomly selected charts reviewed for diagnostic data, ED treatment administered, ED Suicide Attempt Overdose LOS, and final disposition Ingestion Non-accidental trauma/injury

Data from both groups compared using basic

Summary statistics.

Data for 12 months was analyzed in aggregate; data was also analyzed in two 6month periods to account for COVID-19 as a possible confounder.

12-month data analysis presented on this poster.



*statistically significant result

Outpatient Script Given

3.2%

Discussion

Data analysis of pre- and post-implementation patient group metrics suggests **program efficacy** and **overall value** to the health system via the following:

- ➤ Shorter ED LOS for patients presenting with psychiatric concerns;
- ➤ Improved diagnostic accuracy for patients presenting with psychiatric concerns;
- ➤ Increased provision of pharmacological treatment interventions in the ED setting and upon discharge; and
- More resource-appropriate disposition of patients presenting with psychiatric concerns.

Future Directions:

■ Benzodiazepine *

■ Mood Stabilize

Other (antihistamine, alpha agonist, gabapent

TCA, anticholinergic)

SSRI/SNRI

• Review data set collected over 2 years post-program launch (n = 1373).

Fig. 4. Treatment Provided

30.9%

Treated in ED

- De-duplicate data set to eliminate potential confounding.
- Collaborate with faculty biostatistician team for further statistical analysis.
- Collect and analyze additional metrics: restraint use (frequency and duration), use of 1:1 sitters, patient insurance status (to inform potential financial impact), additional demographic data (age, race, ethnicity, gender), time of presentation.

Our jointly administered program that embeds CL Psychiatrists into our academic ED care team has improved and enhanced the care of ED patients presenting with psychiatric concerns as well as operational efficiencies within the department.

Atypical Antipsychotic

■ Benzodiazepine

■ Mood Stabilizer

Other (buspirone

antihistamine, ketamine

SSRI/SNRI

Fig. 3. Medication Classes (ED Rx)*