



## Improvement in Substance Use Disorder Performance Measures After Addition of an Addiction Consult Service in a General Medical Hospital Setting

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Ascension Wisconsin All Saints

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## Objectives



- To understand the significant impact on performance quality measures when an addiction consult service is available in a general medical hospital setting.
- Understand the role nurses and nurse practitioners play in prevention, assessment, and treatment of substance use disorders on a general medical unit.



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## Significance of Addiction



- Abuse of tobacco, alcohol, and illicit drugs is costly to the United States, with more than \$740 billion annually in costs related to crime, lost work productivity and health care. According to SAMHSA's National Survey on Drug Use and Health, 22.5 million people aged 12 or older needed treatment for an illicit drug or alcohol use problem in 2014. Only 4.2 million received any substance use treatment in the same year. Of these, about 2.6 million people received treatment at specialty treatment programs.

<https://www.drugabuse.gov/publications/drugfacts/treatment-approaches-drug-addiction>, and 2014 National Survey on Drug Use and Health: Detailed Tables

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### Problem Addressed



- Lack of addiction treatment services in the inpatient medical hospital to assist with management of detoxification and development of a plan for treatment and recovery.
- Setting: Ascension Wisconsin All Saints Hospital in Racine, WI
  - 273 bed hospital in a city of approximately 90,000 people
  - Only inpatient setting in the city



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### Evidence appraisal and synthesis



- The Substance Use Disorder (SUD) Performance Measures developed by the American Society of Addiction Medicine (ASAM) were used to evaluate the outcomes of patients with SUD that were patients in the inpatient medical setting for a 30 day timeframe without an Addiction Consult Service in place.



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### The Standards of Six Practice Domains for the Addiction Specialist include:



- Assessment and Diagnosis
- Withdrawal Management
- Treatment Planning
- Treatment Management
- Care Transitions and Care Coordination
- Continuing Care Management

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## Performance Measures



- Measure #1: Percent of patients prescribed a medication for alcohol use disorder (AUD)
- Measure #2: Percent of patients prescribed a medication for opioid use disorder (OUD)
- Measure #3: 7-day follow-up after withdrawal management
- Measure #4: Presence of screening for psychiatric disorder
- Measure #5: Presence of screening for tobacco use disorder
- Measure #6: Primary care visit follow-up
- Measure #7: All cause inpatient, residential re-admission
- Measure #8: SUD diagnosis documentation in addiction treatment
- Measure #9: Psychiatric disorder diagnosis presence

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## Initial Data



| Substance Use Disorder Measures   | Oct/Nov 2014  |
|---|---------------|
| Process Measures  | N = 18        |
| MEASURE #1A: Percent of pts. prescribed a medication (FDA-Approved) for alcohol use disorder (AUD)        | 17.65% (3/17) |
| MEASURE #1B: Percent of pts. prescribed a medication (2* unapproved/other) for alcohol use disorder (AUD) | 29.41% (5/17) |
| MEASURE #2: Percent of pts. prescribed a medication for opioid use disorder (OUD)                         | 0% (0/1)      |
| MEASURE #3: 7-day follow-up after withdrawal management   | 11.8% (2/17)  |
| MEASURE #4: Presence of screening for psychiatric disorder  | N/A           |
| MEASURE #5: Presence of screening for tobacco use disorder  | 100% (18/18)  |
| MEASURE #6: Primary care visit follow-up after SUD (w/in 6 months)  | 41.1% (11/18) |
| Outcome Measures  |               |
| MEASURE #7a: All cause inpatient, residential re-admission (w/in 90 days)                                 | 47.1% (8/17)  |
| MEASURE #7b: All cause subsequent ER visits with no admission (w/in 90 days)                              | 58.8% (10/17) |
| Contextual Measures   |               |
| MEASURE #8: SUD diagnosis documentation in addiction treatment  | 100% (18/18)  |
| MEASURE #9: Psychiatric disorder diagnosis presence   | 50% (9/18)    |

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## Measure #1a: Percent of pts. prescribed a medication for alcohol use disorder (AUD) – FDA approved



| Month        | Percent of pts. prescribed a medication (FDA-Approved) for alcohol use disorder (AUD) |
|--------------|---|
| Oct/Nov 2014 | 17.65%  |
| Jan 17       | 70.59%  |
| Feb 17       | 64.71%  |
| Mar 17       | 52.94%  |
| Apr 17       | 64.71%  |
| May 17       | 64.71%  |
| Jun 17       | 64.71%  |
| Jul 17       | 82.35%  |
| Aug 17       | 64.71%  |
| Sep 17       | 52.94%  |
| Oct 17       | 70.59%  |
| Nov 17       | 64.71%  |
| Dec 17       | 52.94%  |
| Jan 18       | 70.59%  |
| Feb 18       | 64.71%  |
| Mar 18       | 70.59%  |
| Apr 18       | 64.71%  |
| May 18       | 52.94%  |
| Jun 18       | 52.94%  |
| Jul 18       | 64.71%  |
| Aug 18       | 23.53%  |

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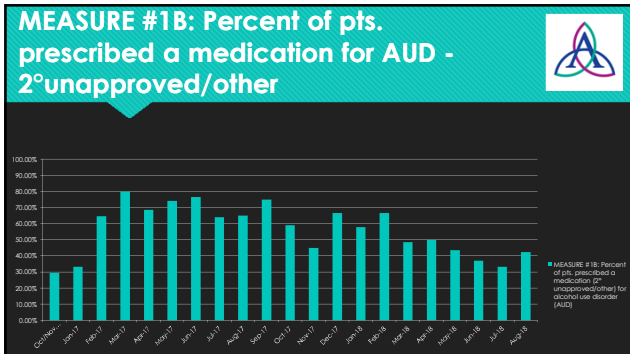
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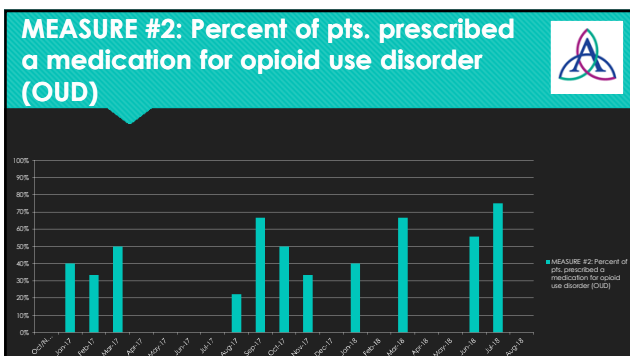
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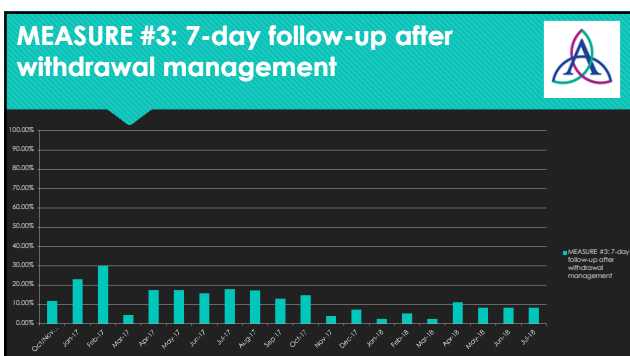
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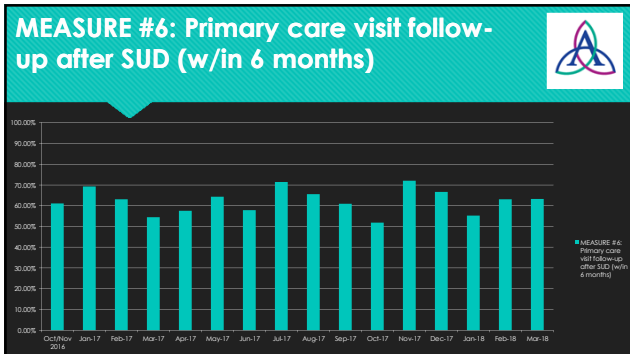
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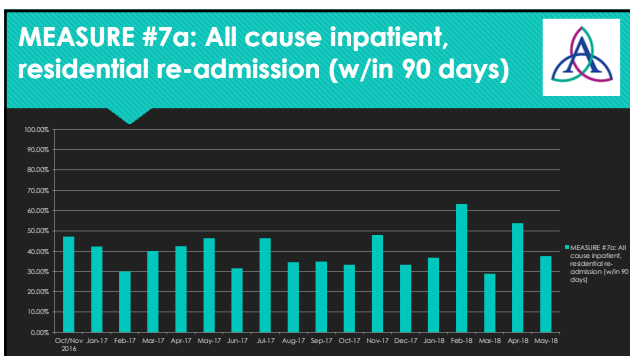
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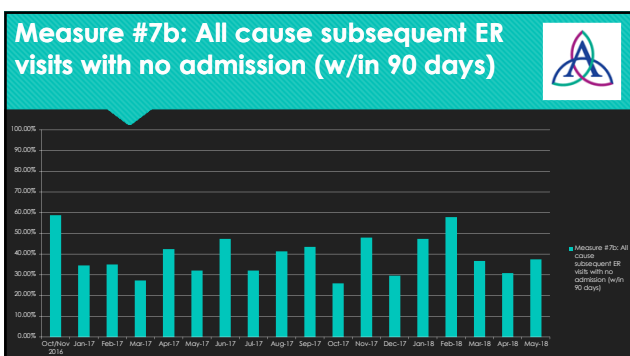
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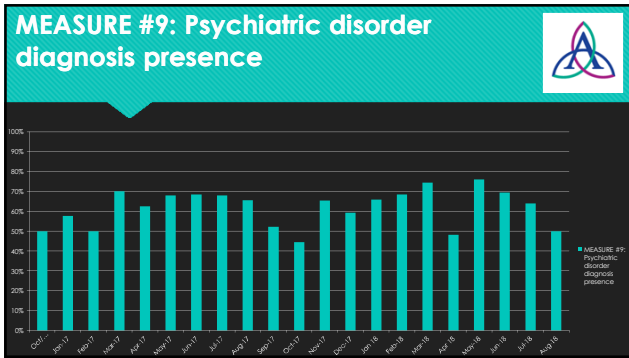
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### Evaluation

| Quality Measures  | Initial Data | After Implementation of Addiction Consult Service |
|---|--------------|---|
| 1A: Percent of pts. prescribed a med. (FDA Approved) for AUD                    | 17.7%        | 63.7%   |
| 1B: Percent of pts. prescribed a med. (2 <sup>o</sup> unapproved/other) for AUD | 29.4%        | 57.3%   |
| 2: Percent of pts. prescribed a medication for opioid use disorder (OUD)        | 0%           | 26.8%   |
| 3: 7-day follow-up after withdrawal management                                  | 11.8%        | 11.6%   |
| 6: Primary care visit follow-up after SUD (w/in 6 months)                       | 61.1%        | 62.5%   |
| 7A: All cause inpatient, residential re-admission (w/in 90 days)                | 47.1%        | 40.2%   |
| 7B: All cause subsequent ER visits with no admission (w/in 90 days)             | 58.8%        | 38.2%   |
| 9: Psychiatric disorder diagnosis presence                                      | 50%          | 62.4%   |

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### Areas of Improvement

- Opioid use disorder patients and Medication Assisted Treatment
- Follow-up with outpatient Behavioral Health Services within 7 days after discharge for both AODA and/or mental health treatment
- Decrease readmissions and/or ER visits for Substance Use Disorder
- More screening for mental health diseases, such as depression and anxiety

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## Lessons Learned



- The data demonstrates that there is value in adding an Addiction Consult service in the inpatient general medical setting. However, the Addiction Specialist is one person in the care of the patient with addiction and there are many players involved including:
  - The hospitalists who place the order for consult
  - Registered Nurses advocating for the patient
  - Inpatient pharmacists who counsel patients on the medications prior to discharge
  - Behavioral Health Therapists who works with individuals after discharge



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## Questions



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## References



- American Society of Addiction Medicine (ASAM). (2014). *The ASAM Performance Measures for the Addiction Specialist Physician*. Retrieved from ASAM website: [https://www.asam.org/docs/default-source/advocacy/performance-measures-for-the-addiction-specialist-physician.pdf?sfvrsn=5f986dc2\\_0#search="the asam performances measure"](https://www.asam.org/docs/default-source/advocacy/performance-measures-for-the-addiction-specialist-physician.pdf?sfvrsn=5f986dc2_0#search=)
- Center for Behavioral Health Statistics and Quality (CBHSQ). (2015). *2014 National Survey on Drug Use and Health: Detailed Tables*. Rockville, MD: Substance Abuse and Mental Health Services Administration.
- National Institute of Drug Abuse. (2018). *Treatment Approaches for Drug Addiction*. Retrieved from: <https://www.drugabuse.gov/publications/drugfacts/treatment-approaches-drug-addiction>.

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