

Advancing St. Mark's Mission Statement Through Improved Mental Health Services



Team Nightingale



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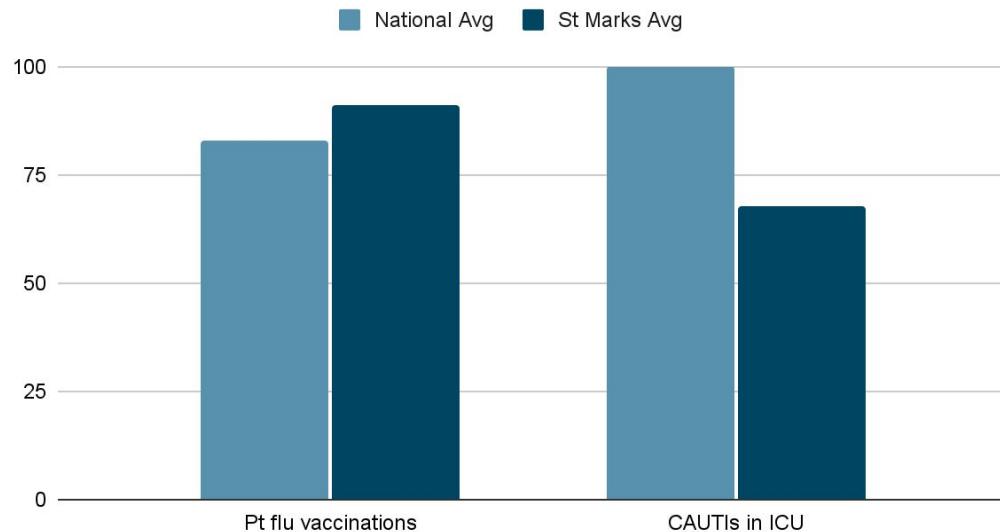
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Strengths of St Mark's Hospital

Points scored

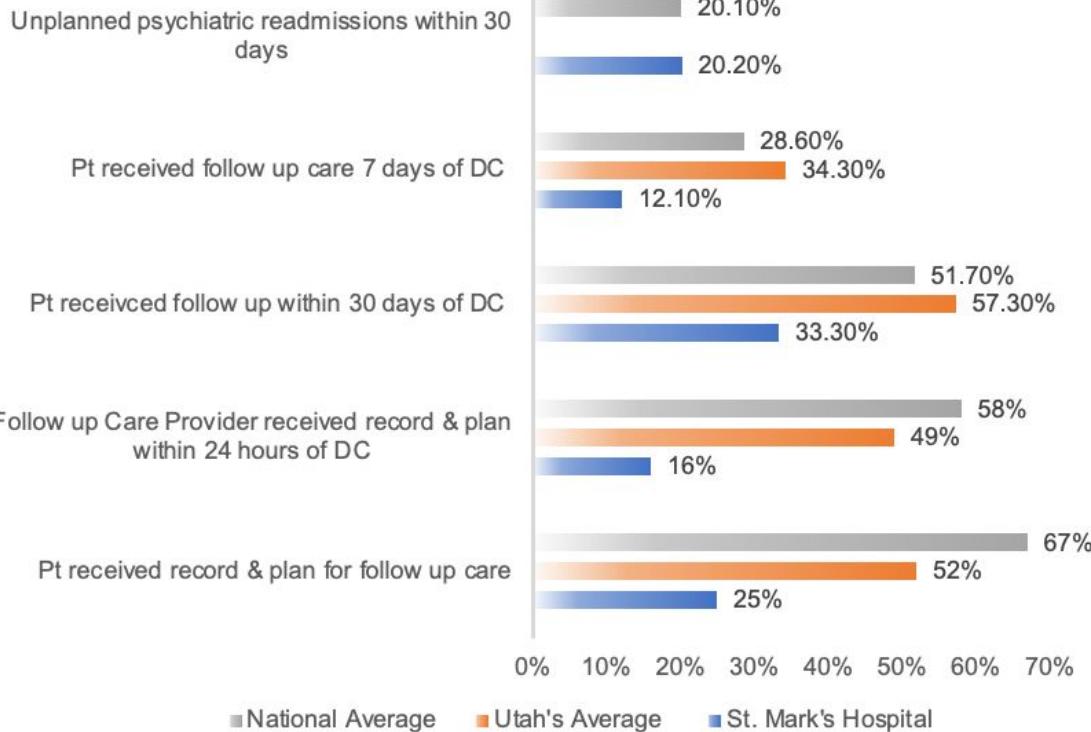


2.4 Billion
Gross Patient
Revenue

Opportunities for Growth

Mental Health

ST MARK'S PSYCHIATRIC UNIT



Mental Health Trends

Study

USA, 2012-2018
Ages: 4-17

Disorders

Attention deficit/hyperactivity,
conduct disorders, anxiety, and
depression

Prevalence

34.6% increase in mental
health diagnoses

Medical Costs

Control: \$1,629
Mental Illness: \$6,055

Mental Health Trends in Utah



Leading cause of
death in 2020
for ages 10-24

70/day in 2019

15,875 in 2019

9,456 in 2019

Evidence Based Solutions and Outcomes

A

TRANSITION CARE COORDINATORS

Long-term health management



B

ORGANIZATIONAL CHANGE MODEL

Improved quality of care and growth



C

INCREASE COMMUNITY TRUST

Serving the people around you



Evidence Based Solution A

A

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VANDERBILT UNIVERSITY MEDICAL CENTER CASE STUDY

GOAL

Reduce readmissions
to decrease overall
hospital penalties and
costs

IMPLEMENTATION

- Intervention addressed diagnoses that incur readmission penalties
- Diagnoses included:
 - congestive heart failure
 - COPD
 - pneumonia

RESULTS

Provides a comparison
between no transition of
care provided, a partial
implementation of
transition between care, and
full implementation of care
transitioning

Transition Care Coordinators



01

Structured Needs
Assessment

02

Medication
Reconciliation

03

Patient Education

04

Post-Discharge
Guidance and
Contingency Plan

05

Facilitated
Follow-up

Transition Care Coordinators Readmission Rates

30 Day Readmission

Usual care: 18.8%
TCC care: 9.4%

90 Day Readmission

Usual care: 31.5%
TCC care: 19.8%

Transition Care Coordinators Overall Cost Reduction

30 day readmission

Estimated usual care/patient: **\$7601**

Estimated care per patient with TCCs: **\$3632**

Difference: **\$3969**

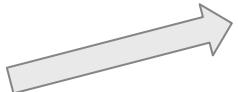
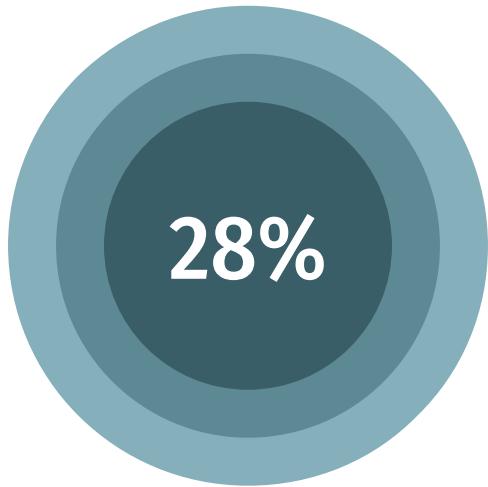
90 day readmission

Estimated usual care per patient: **\$15,123**

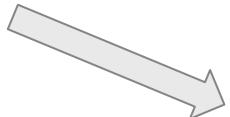
Estimated care per patient with TCCs: **\$9439**

Difference: **\$5684**

HOW DOES THIS STUDY RELATE TO MENTAL HEALTH READMISSIONS?



28% of patients received a mental health diagnosis within the 12 months leading up to their physical health concern and corresponding admission



Patients who have comorbid mental health concerns are 28-56% more likely within 30 days after discharge to be readmitted compared to their counterparts who have no mental illness

Evidence Based Solution B

A

TRANSITION CARE COORDINATORS

Long-term health management



TRANSITION CARE COORDINATORS

Long-term health management

Icon: Two people talking

B

ORGANIZATIONAL CHANGE MODEL

Improved quality of care and growth



ORGANIZATIONAL CHANGE MODEL

Improved quality of care and growth

Icon: Line graph

C

INCREASE COMMUNITY TRUST

Serving the people around you



INCREASE COMMUNITY TRUST

Serving the people around you

Icon: Three people

ORGANIZATIONAL CHANGE MODEL CASE STUDY

GOAL

Reduce 30-day
psychiatric inpatient
readmissions

IMPLEMENTATION

Performed in Wisconsin
involving 23 out of the 72
total counties, or 61% of
residential admissions in
the state

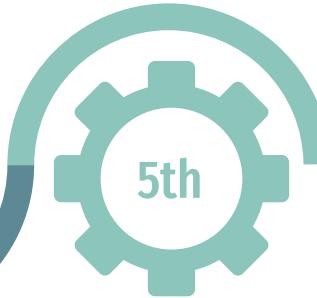
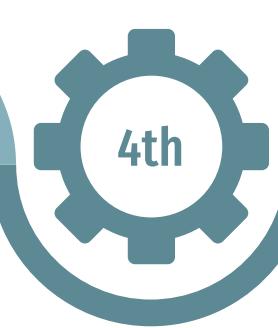
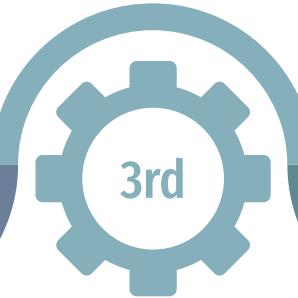
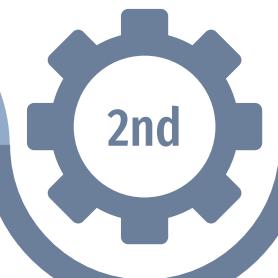
IMPORTANCE

9% to 48% of inpatient
readmissions can be
effectively prevented

5 Specific Elements Implemented with the Organizational Change Model

Scheduling a post-discharge meeting between a crisis manager and the patient

Police officer training on who to contact during a crisis and how to manage the situation



Discharge meeting with social worker to review appointments, crisis plan, medications, and community resources

Patient engagement in postdischarge outpatient therapy

Inclusion of crisis beds to divert patients that would become inpatient admissions

The Results

30-day readmission rates:

	Before plan	Rate decrease
Counties with the plan implemented	12.4%	4.3%
No implementation of the plan	7.53%	0.53%

(Molfenter et al., 2016)

Outcome C

A

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Long-term health management



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Improved quality of care and growth



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References

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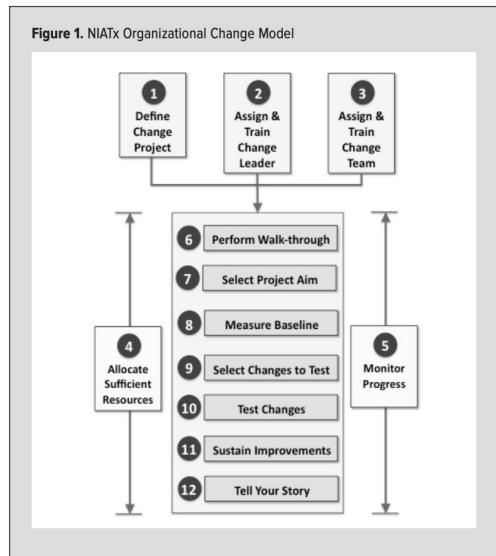
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Questions?



	Usual Care N= 6,276	TCC Care N=762	TCC (Full) N=460	TCC (Partial) N=302	P-value (Usual Care vs. TCC Care)
Readmissions					
30-day	1,182 (18.8%)	72 (9.4%)	41 (8.9%)	31 (10.3%)	<0.001
90-day	1,975 (31.5%)	151(19.8%)	86 (18.7%)	65 (21.5%)	<0.001



Appendix

Table 1. Strategies to Prevent Psychiatric Hospital Readmissions

Treatment Phase	Practices
During Stay	Apply evidence-based practices to increase engagement (eg, motivational interviewing, contingency management). Develop a crisis plan. Use multidisciplinary case conferences to review high acute cases and determine post-discharge needs. Develop discharge objectives at admission.
Discharge Process	In the discharge session, patient meets with the social worker and nurse to review appointments, crisis plan, community resources, and medications. Warm hand-off to outpatient services.
Post-discharge	Case manager meets with patient 24 hours after discharge or phone follow-up within 48 hours of discharge. Reduce wait time to outpatient services.
Pre-readmission (For Patients Seeking Care)	Utilize sub-acute crisis beds for observation and assessment. Implement crisis line. Develop process where patients presenting to emergency department with mental health issues can be seen by mental health providers the next day. Give crisis response team member a smart phone to reduce the time needed to respond to police officer calls and to create a single point of entry.

Transition Care Coordinators Overall Cost Reduction

30 day	Usual Care	TCC Care (Overall)	Difference	TCC (Full)	TCC (Partial)	Difference
Percent with cost >0	70.8%	67.7%	2.9%	67.3%	68.4%	-1.1%
Estimated Total Cost given cost > 0	\$10074	\$4999	\$5075	\$5859	\$4200	\$1659
Estimated Total Cost	\$7601	\$3632	\$3969 (\$2589, \$5099)	\$4236	\$3078	\$1158 (- \$690, \$3268)
90 day						
Percent with cost >0	79.3%	76.0%	3.3%	74.7%	78.4%	-3.7%
Estimated Total Cost given cost > 0	\$18033	\$11653	\$6380	\$11595	\$11703	-\$108
Estimated Total Cost	\$15123	\$9439	\$5684 (\$3627, \$7602)	\$9250	\$9716	-\$466 (- \$3636, \$3079)

Community Trust: Bringing it all Together

Transition Care Coordinators

- Structured assessment of social determinants to health
- Follow-ups prove to patients that they are not just cared for while in the hospital
 - We are treating people, not simply the diagnosis that someone walks in with
- Patient education allows patients to “own” the process and find meaning to what they are expected to accomplish
 - The patient is a part of the care team and is crucial in making care plan decisions

Organizational Change Model

- Improvement of collaboration between hospitals and community resources
 - Cohesiveness amongst different community centers
 - Trust between
- Patients feel seen by mental health providers rather than being pushed to the side and viewed as unimportant
- Training all sectors of the community to understand mental health and the treatment thereof