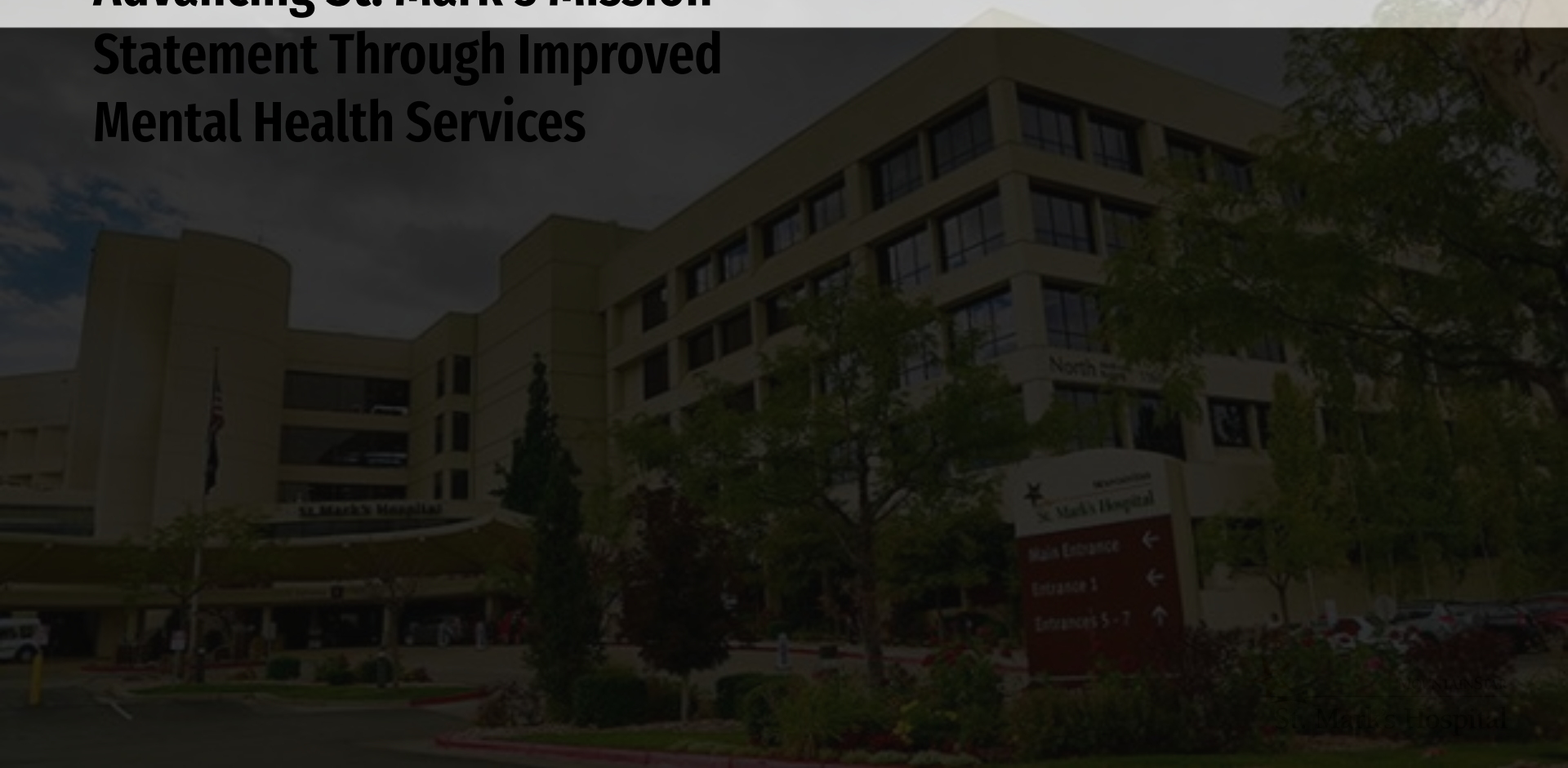


Advancing St. Mark's Mission Statement Through Improved Mental Health Services



Team Nightingale



**Jane
Pearson**



**Alisa
Morrell**



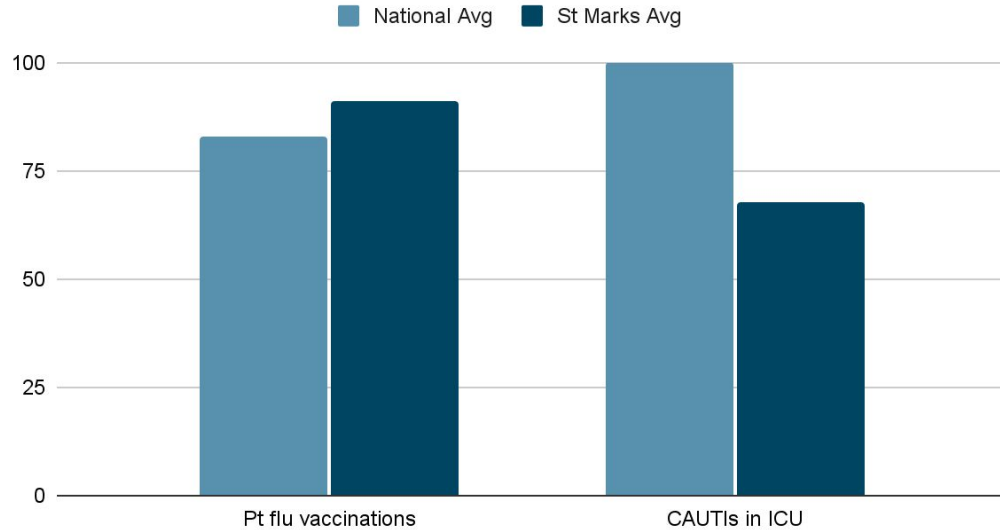
**Stephanie
Hacking**



**Breanna
Hall**

Strengths of St Mark's Hospital

Points scored



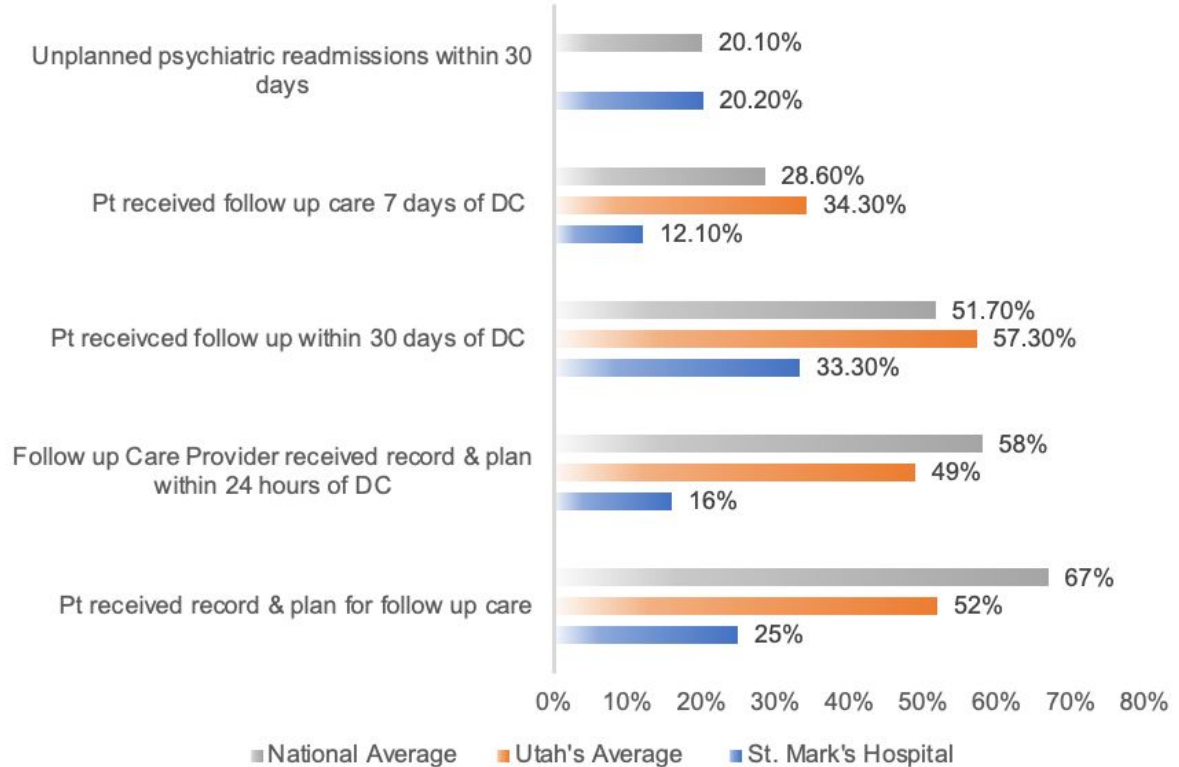
2.4 Billion

Gross Patient
Revenue

Opportunities for Growth

Mental Health

ST MARK'S PSYCHIATRIC UNIT



(Medicare, n.d.)

Mental Health Trends

Study

USA, 2012-2018
Ages: 4-17

Prevalence

34.6% increase in mental
health diagnoses

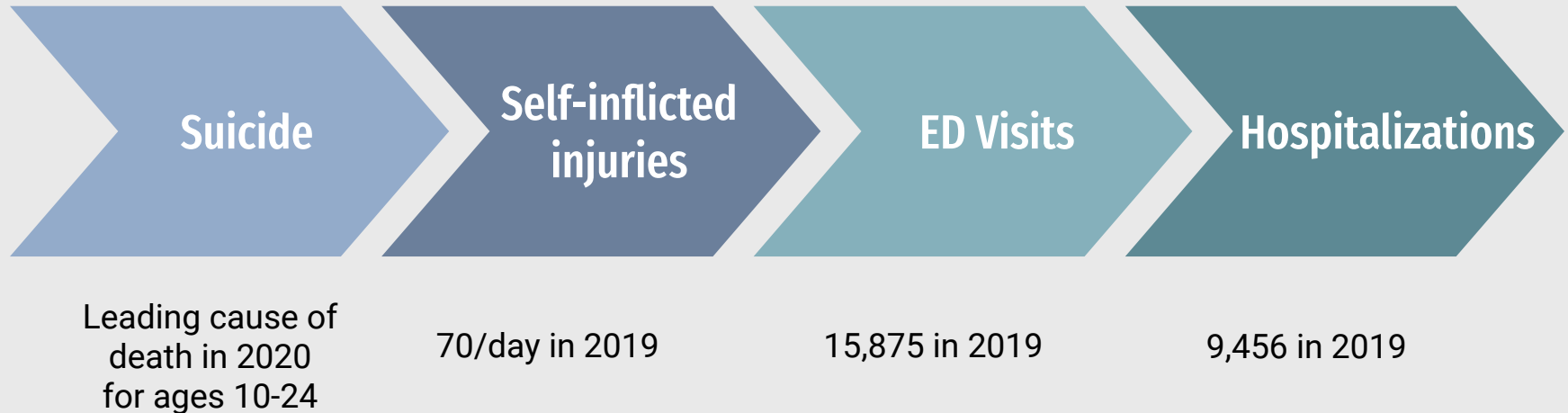
Disorders

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

Medical Costs

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

Mental Health Trends in Utah



(Utah Department of Health & Human Services, n.d.)

Evidence Based Solutions and Outcomes



**TRANSITION CARE
COORDINATORS**

Long-term health
management



**ORGANIZATIONAL
CHANGE MODEL**

Improved quality of
care and growth



**INCREASE
COMMUNITY TRUST**

Serving the people
around you



Evidence Based Solution A



TRANSITION CARE COORDINATORS

Long-term health
management



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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**

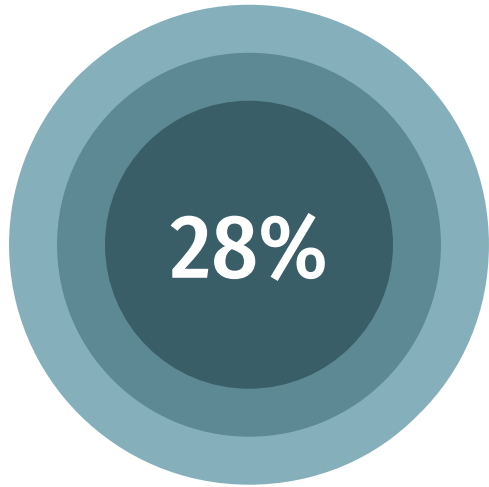
90 day readmission

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



ORGANIZATIONAL CHANGE MODEL CASE STUDY

GOAL

Reduce 30-day
psychiatric inpatient
readmissions

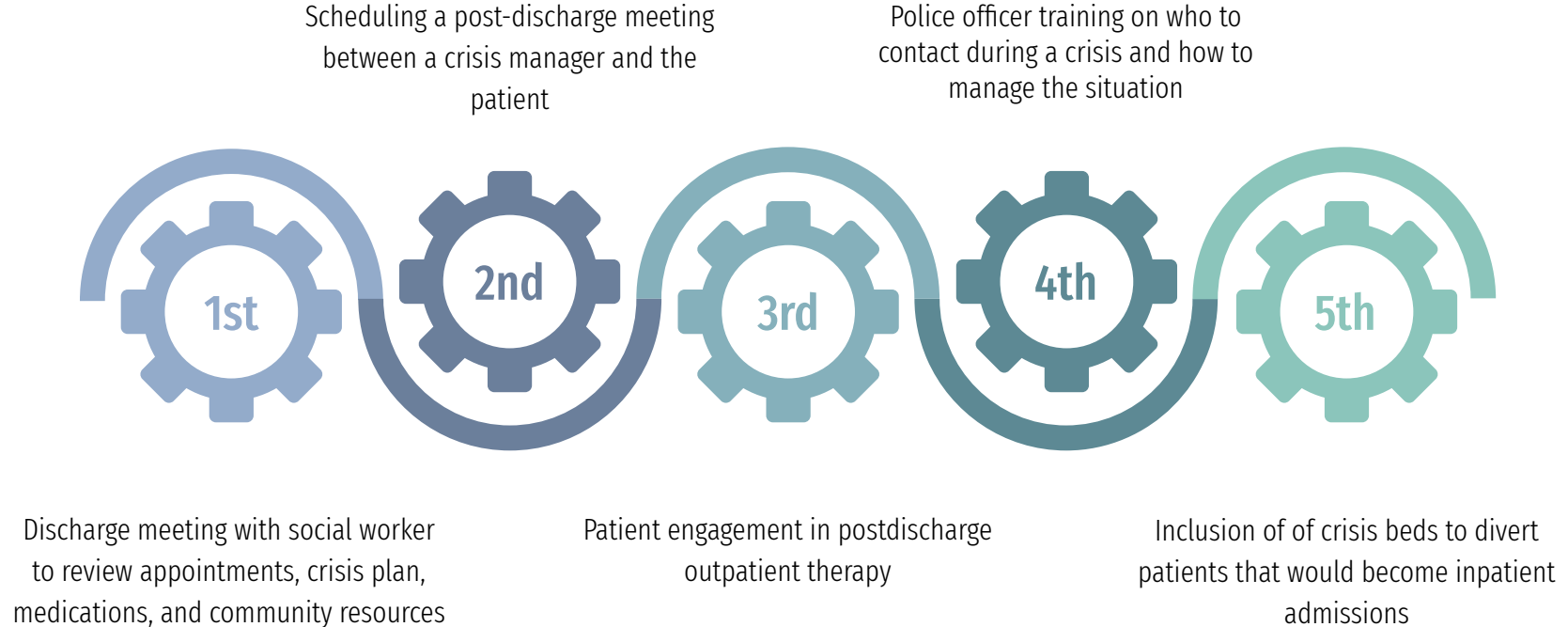
IMPLEMENTATION

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



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%

Outcome C



**TRANSITION CARE
COORDINATORS**

Long-term health
management



**ORGANIZATIONAL
CHANGE MODEL**

Improved quality of
care and growth



**INCREASE
COMMUNITY TRUST**

Serving the
people around
you



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Questions?



Appendix

	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

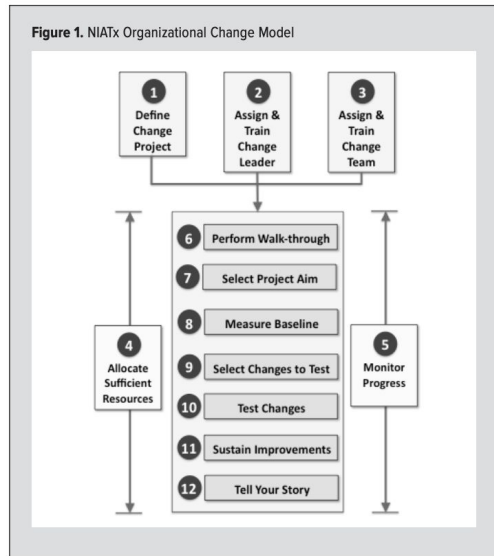


Table 1. Strategies to Prevent Psychiatric Hospital Readmissions

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

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