

Introduction of Collaborative Care Model Using TeleTracking to Reduce Inpatient Length of Stay and Improve Patient Care

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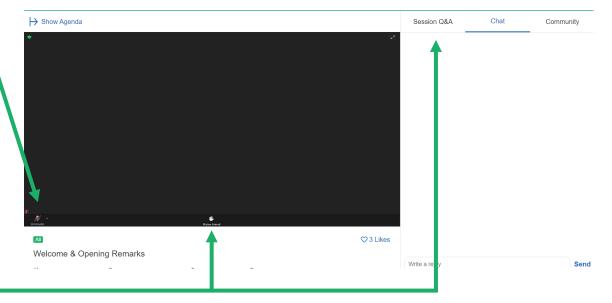
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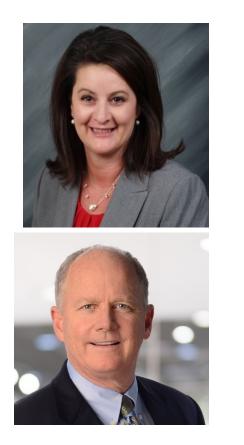
TELECON20

WELCOME TO TELECON20! HERE ARE SOME TIPS TO IMPROVE YOUR VIRTUAL EXPERIENCE

- Use the Microphone icon to switch your audio connection type.
- To ask a question, please use the Session Q&A in WHOVA, or if you would like ask your question verbally, click the raise hand button and your microphone will be unmuted via the facilitator.



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INTRODUCTION

- Leah Gehri, MHA MN RN NEA-BC, Operations Director
 - Leah has nearly thirty years of nursing experience, spending many years at the bedside as a critical care and emergency nurse. As a leader she has focused on key operational improvements in throughput, designing and implementing processes and associated technologies to achieve targeted goals.
 - She received her Bachelors of Science in Nursing from Pacific Lutheran University in Parkland, Washington, her Masters in Nursing (MN) and her Masters in Health Administration from University of Washington. She is currently the Director of Operations at Santa Rosa Memorial in Santa Rosa, California, where she has oversight and responsibility for the Emergency Department and Operations Resource Center.
- Michael Hill, MD, FACEP, President/CEO Michael Hill, MD and Associates, Inc
 - Dr. Michael Hill, with his teams, has spent the last 25 years developing,, comprehensive solutions of advisory and workflow expertise used in conjunction with technology-enabled tools to improve the efficiency, service delivery and predictability of all patient care hospital operations.
 - Dr. Hill is a residency trained emergency physician from UCLA, practiced clinically for 15 years, and directed the operations for a 52-hospital EM group for more than a decade. For the past 24 years, he has led more than 180 hospital operations consulting engagements across North America with a focus on improving operations and patient experience in ED, inpatient, perioperative, and key ancillary areas.



SESSION OVERVIEW & OBJECTIVES

- Burning Platform
- Collaborative Care Model
- TeleTracking Components and Accountability
- Results
- Next Steps





- 60 miles north of San Francisco
- 283 licensed beds, with ADC 170
- 12,000 Discharges/Year with 50% Medicare
- Average LOS 6 days with 10 hospitalist/day
- Closed ICU with Intensivist Group

San Foncisco San Jos

> Death Valley National Park Las Vegas

Los Angeles

- 33,550 ED Annual Visits (Pre-Covid)
- Use of TeleTracking Capacity Management Suite

TeleTracking

CASE STUDY: PROBLEM / CHALLENGE

- Long LOS (6 days) with low patient experience scores despite an 18 month initiative to reduce LOS
 - Anticipated Date of Discharge not driver for discharge
- Variability in hospitalists practice patterns
- Attempt at 0830 Huddle with hospitalists with Lead Nurse and Case Manager not described as effective
- Ancillary Services (Rehab/Resp/EVS/Lab/Imaging) not aligned to move patient through system
- Post-Acute Care planning impact on LOS
- Solution Defined business rhythm for all constituencies aligned to ADOD

Collaborative Care Model Strategy

GOALS	AREA TACTICS
Reduce	Patient Care Model • Sacred Conversation and ADOD Management • Collaborative Care Twice/Day • Ancillary Alignment • Weekend Resources • Weekend Resources
IP LOS	• Outlier Management Model • Observation Patient • ADOD Variance Tracking • Outlier Management • Avoidable Days
	Operations Monitoring
Improve Capacity	Decrease Hospital Occupancy Admitted Patient Repatriation - Reduce Admission for Frequent Admission Patient (ICU Transfer, ED Admission - "PVH First Program" - "PVH First Program"
Management	Decrease Specialized Bed Need • Telemetry Discontinuation • ICU and Stepdown Downgrades
	Bed Aggregation • Defined Bed Needs • Disease and OBS Cohorting • Inpatient Boarders
Build Leadership	Data Driven Organization • MD/RN Communication and ADOD Management • Daily Dashboards • Daily Staff Action Plan • Weekly Action Plan to Director
Management Skills	Manager Front Line Involvement • Daily Director Meeting to Review Performance • Daily CN Coaching at Defined Intervals • Hourly Rounding
	Meet Operational Target Adjust Resources to Meet Demand
Physician	Create Efficient Work Processes for Providers Create Appropriate Processes to Respect Provider's Time
Alignment	Augment Administrative Roles Workflow Supervisor and Back Up System
	Consistent Consultant Communication Adjust Response Time and Communications
Patient	Consistent Communication • Bedside Report • Sacred Conversation • Key Work Utilization • Caring Behaviors
and Family Experience	Manager Ownership • Key Words for the Week • Weekly Action Plan • Hourly Rounding

TeleTracking Discharge Planning Best Practices

• Historical initiatives on discharge planning link to next day prediction of discharge too late in process

THROUGHPUT BEST PRACTICES

Start discharge planning the day of

admission to enable safe and efficient

patient discharge supported by

transparency & real-time visibility of

discharge progress

powered by an Capacity Management Suite"

ACCESS

ACTICS -

- Institute a 24-hour discharge prediction bundle to accurately predict discharges for the next day to create earlier access for waiting patients.
 - Multi-Disciplinary Rounds should include 24-hour predictions.
 - Identify 11am and 2pm discharges with contingent needs the day before.
 - Nursing/Case Management should conduct a <u>5 minute afternoon</u> huddle to verify contingent needs are being met for early discharge.

TeleTracking

- Utilize PatientTracking Portal for the 24-hour charge nurse to charge nurse handoff.
- Formalize reporting of yesterday's discharge results during safety meeting or bed meeting.
- Identify early discharges for the following day to ensure the Provider writes the order early to assist with earlier discharges and increased bed availability.
- <u>Communicate the patient's Projected Discharge Date with the patient</u> and family daily throughout the patient's stay to avoid any potential delays in discharge.

ORGANIZATIONAL TRANSFORMATION

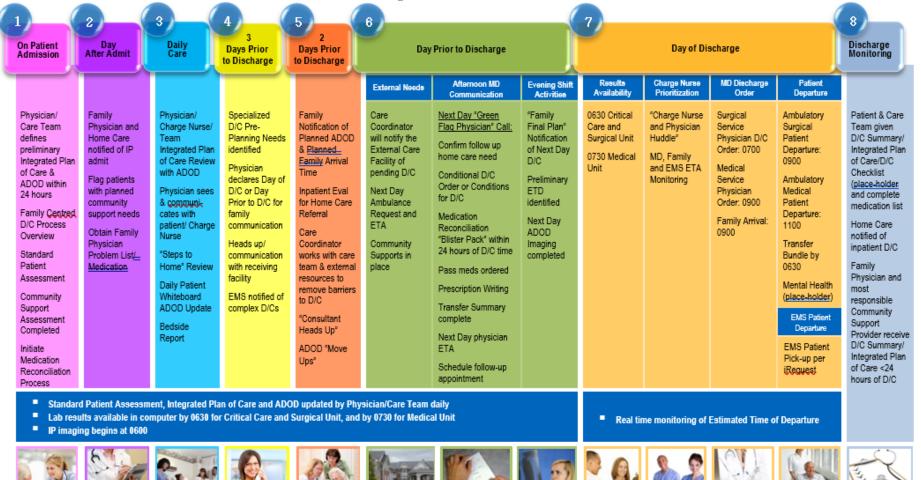
THROUGHPUT



- Use of TeleTracking by Charge Nurses during report
- Daily Communication of Anticipated Date of Discharge



Discharge Core Work Activities



Standard Business Rhythm Defined



Hospitalist CN Check In at 0830

Collaborative Care Huddles at 12 Noon and 4 PM



D/C Order by 9 AM Patient Depart by 11 AM







Daily Scheduled Hospital Business Rhythm

	· · · · · · · · · · · · · · · · · · ·		SRMH	H Collab	oorative Care Business	Rhythm Cal	endar		· · · · · · · · · · · · · · · · · · ·		
Day	Sunday	Monday	Tuesday		Wednesday	Thu	sday		Friday	Saturday	
7:00	Early AM Mobility	Early AM Mobility	Early AM Mobility		Early AM Mobility	Early AM Mobility			Early AM Mobility	Early AM Mobility	
7:30								CC Steering Committee			
8:00	Surgery Interdisciplinary Rounds	Surgery Interdisciplinary Rounds	Surgery Interdisciplinary Rounds		Surgery Interdisciplinary Rounds	Surgery Interdisciplinary Rounds		Surgery Interdisciplinary Rounds		Surgery Interdisciplinary Rounds	• Key
8:30	AM Unit Hospitalist Huddle	AM Unit Hospitalist Huddle	AM Unit Hospitalist	t Huddle	AM Unit Hospitalist Huddle	AM Unit Hospitalist Huddle		AM Unit Hospitalist Huddle		AM Unit Hospitalist Huddle	Concep is daily
9:00 9:30	ICU Interdisciplinary Rounds	ICU Interdisciplinary Rounds	ICU Interdisciplinary Rounds		ICU Interdisciplinary Rounds	ICU Interdisciplinary Rounds		ICU Interdisciplinary Rounds		ICU Interdisciplinary Rounds	work activities
10:00					CC Operations Meeting						linked to
10:30 11:00											time of
11:30 12:00 12:30 13:00	Collab Care Hospitalist Huddle	Collab Care Hospitalist Huddle	Collab Care Hospitalist Huddle		Collab Care Hospitalist Huddle	Collab Care Hospitalist Huddle		Collaborative Care Hospitalist Huddle		Collab Care Hospitalist Huddle	day
13:30 14:00 14:30		Unit Leadership Rounding	Unit Leadership Rounding Meeting		Unit Leadership Rounding	Unit Leadership Rounding	CM Outlier Meeting	Unit Leadership Rounding			
15:00											
15:30 16:00	CC Hospitalist Walking Rounds	CC Hospitalist Walking Rounds	CC Hospitalist Walking Rounds		CC Hospitalist Walking Rounds	CC Hospitalist Walking Rounds		CC Hospitalist Walking Rounds		CC Hospitalist Walking Rounds	
17:00	Family Communication for Next Day Planned Discharge Time	Family Communication for Next Day Planned Discharge Time	Family Communication for Next Day Planned Discharge Time		Family Communication for Next Day Planned Discharge Time	t Family Communication for Next Day Planned Discharge Time		Family Communication for Next Day Planned Discharge Time		Family Communication for Next Day Planned Discharge Time	
10.00		=Huddles =Interdisciplinary Rounding			= Collaborative Care Meetings = Nursing Care				= Leadership Rounding	Téle	Tracking

Key Components of Collaborative Care Huddles

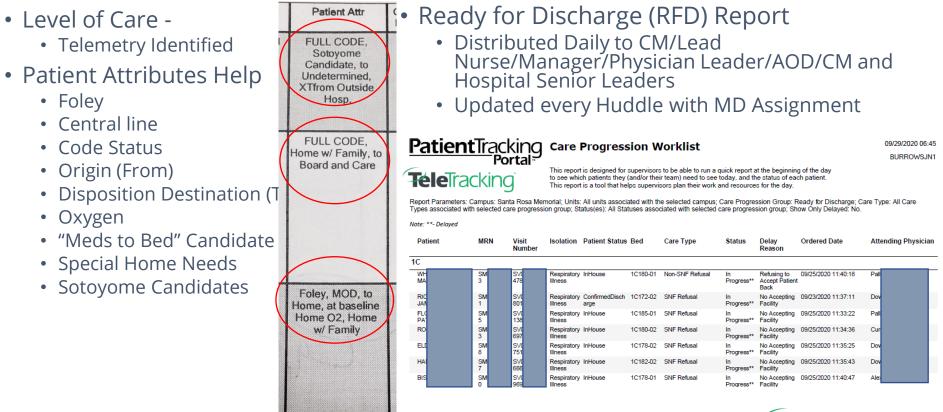
- Between 1130 and 1330, Collaborative Care Huddle for 10-15 minutes with key participates
 - Today ADOD progression and obstacles
 - Planned next day discharges with barrier identification
 - Antibiotic Stewardship/Opiate Medication Protocol/"Med to Bed"/Med Auth from Pharmacy
 - Patient Safety Issues (Foley/Central Line Removal)
 - PT/OT Results
 - 0830 AM MD/Lead/CM Check In Participation
- Between 1530 and 1700, Collaborative Care "Walking Rounds" on individual units for 5-10 minutes with LN/CM/Hospital Administrative Leader
 - Review change in patient progression during the day
 - Confirm next day ADOD patients, any additional barriers to discharge and estimated time of day they will leave
 - Confirm next day transportation
 - Ask how many "Patient-Centered Conversations" occurred and what barriers were encountered
- Tele Units
 - Cath Lab Manager (Tele Units)
 - Downgrade Candidates
- Hospital Administrative Leader escalates issues
- Palliative Care Consultations
- Rehab Unit Evaluation status
- Case Management confirmation of planned disposition



Standard Reports Became Critical Component of Huddles

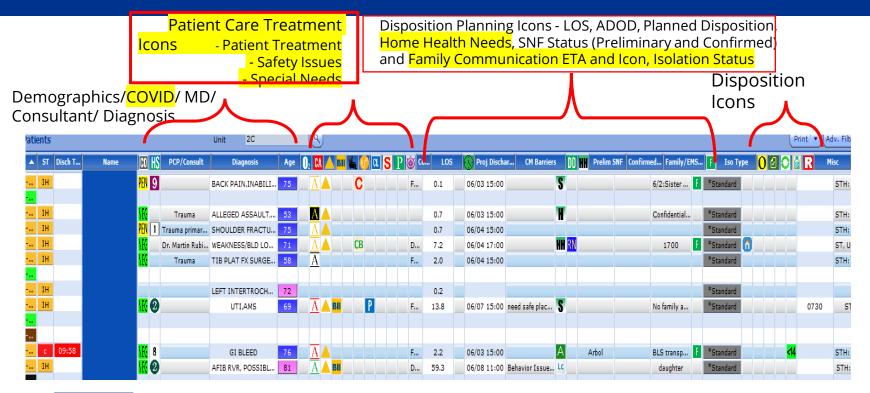
	Diagnosis	Ag e	LOS	Proj Discharg e	Dischar ge Plan	Family/E MS ETA	Prelim SNF	LOC	Treatment Plan	Comments	lso Type	Patient Attr	Cardiac Rhythm	Attending Phys
	SEPSIS, PNA, CHF EXACERBATI ON	78	2.8 day (s)	04/25 00:00	Home with oxygen		Accept ed back to Apple Valley SNF. Family refusin g Apple Valley.	Med Surg Tele	4/21 sepsis PNA, Recent adm 3/15- 28 for CHF, RSV. Remote tele, nicotine patch, IV abx, 1L NC, PT/OT. Monitor trops downtrending, Occasional AIVR. EKG SR w/BBB. Dietary consult?, sputum pend, BC NGTD.	STH: PT EVAL dietary consult Per Public Health, surveillance until 4/24, then re-test. If neg results, can go to SNF	Droplet	Fall Precaution, FULL CODE, to SNF, NC<2, D3, Moderate Assistance	SR, VPACE	Ŧ
	VIRAL PNEUMONIA (COVID-10), ACUTE HYPOXIC RESPIRAT	74	24.2 day(s)	04/23		Wife says pt needs to be indepen dent in and out of bed to come home		Med/Sur g	4/21; covid + 3/23 - managed at home. adm 3/28, pulmonologist from Sonoma; hx afib, DM2, HTN; 2 wks intubated ICU; arrived to 1C on 4/17; NC@4L O2; very weak. doesn't qualify for LTAC, plan home w/HH when ready. PO abx taken at home. BG BID.	STH: D/C home wwirfe & HH COVID results not documented in serology Needs home 02 Wife needs pt to be nearly independent to safely go home If SNF is required pt would need 2 negative Home Monitoring for COVID	Droplet	Fall Precaution, FULL CODE, to HHC, NC>2, From Home w/ Family. D3, Family Communication, Minimum Assistance, Confirmed during Stay		Ce
-	COVID-19 PUI.SEPSIS,A TYPICAL PNA	72	19.0 day(s)	04/25 00:00	Home instead of SNF, due to COVID testing	4/13 @ 14:00 called patient's daughter . Kahn and discusse d possible but unlikely	SNF: Vinyar d Post Acute after 2 negativ e Covid tests. VS; home w/ family and home care	Med Surg Tele	4/21 COVID+. MWF dialysis; Remote Tele. On RA. blind; DC Home w/ HH vs SNF after 2 consecutive negative COVID screenings. FWW 1 person, incont. Speaks Laotian only. working with PT. COVID retest 4/16 PCR is +/Detected. Repeat test 4/23 needed.	COVID(+) PUI# CA49013439 STH: Positive COVID.2 consec Neg tests for SNF/OP HD acceptance. COVID retest 4/16, positive. Wall retest 4/23 and then a second negative 24 hours after Interpreter machine broken	Droplet	Hemodialysis, Fall Precaution, FULL CODE, to SNF, From Home w/ Family, D3, Family Communication, Moderate Assistance, Presumed on Adm, Confirmed during Stay		C Je

Using TeleTracking Reports to Accelerate Communication





Patient Care and Discharge PrePlanning TeleTracking Icons



= RN Responsibility to Update Daily



TeleTracking Discharge Planning Overview

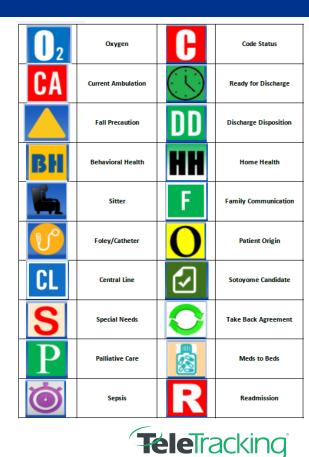
- TeleTracking gives real-time transparency to patient status so that Lead Nurse, Patient Care Nurse, and Case Manager can immediately see the current planned discharge date (Anticipated Date of Discharge or ADOD), planned disposition, SNF destination and status , and "Steps to Home" (barriers to discharge)
- Other Discharge Planning information includes: Current LOS, if patient is "Ready for Discharge" (RFD) (does not meet medical need for acute care hospitalization), Home Health Needs, SNF Status, if Family have been Communicated with for discharge and planned family next day arrival time
- Case Manager reviews at beginning of each day to review and prioritize work prior to 08:30 Meeting
- Pending/Confirmed Discharge status and Discharge Timer were activated previously



TeleTracking Patient Care Icons – A Primer

- Acute Care Management
 - RN Patient Care COVID Status, O2 Use, Fall Risk, Ambulation Status, Code Status
 - \circ RN Safety Issues Behavioral Health, Restraints, Sitter, Central Line, Foley
 - RN Special Needs Radiation, Chemotherapy, Hemodialysis, Palliative Care
 Day of Discharge Planning
- Disposition Planning
 - o LN "Steps to Home"
 - \circ LN If LOS > 0.8 days
 - ADOD
 - Planned Disposition
 - $\circ~$ CM If Potential SNF Disposition and LOS > 1day
 - Preliminary SNF
 - CM Barriers
 - o Admitting RN Origin
 - o UM RN Readmission
 - o LN Sotoyome Candidate
 - LN "Meds to Bed"
 - CM "Take Back Agreement

- LN Projected Discharge Time in ADOD Column
 - CM If SNF Disposition
 - Preliminary SNF Name
 - SNF Confirmation Date
 - EMS ETA
 - o RN If Discharge Home
 - Family ETA
 - Family Icon indicating next day arrival time communicated to family



Nurse TeleTracking Roles and Responsibilties

Floor Nurse

At Time of Patient Intake/Admission the Floor Nurse Activates the Below TeleTracking Icons:

- Hospitalist Service
- Patient Origin
- Oxygen Requirements
- Isolation Type
- Code Status
- "PVH First" Candidate
- Take Back Agreement Candidate
- Foley
- Central Line

As Patient Care Progresses The Floor Nurse Updates Above Icons and:

- Activates Discharge Disposition Icon
- Palliative Care Involvement (if applicable)

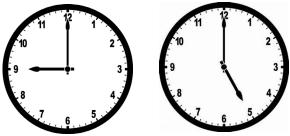
Lead Nurse

During Patient Admission/Inpatient Transfer Process the Lead Nurse Inputs the Below Into TeleTracking:

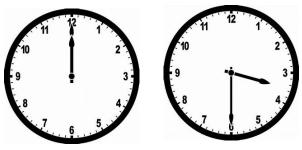
- RTM/RTA
 - RTA for incoming unit transfers and RTM for outgoing transfers
- During 1200 and 1600 Collaborative Care Huddles the Lead Nurse:
- Brings 4 copies of Unit Daily Printout to Collaborative Care Huddles
- Inputs/Updates ADOD/ADOT
- Inputs Ready for Discharge (RFD) Coupled with Associated Discharge Delay Reason (if applicable) based on Physician Direction
- Inputs Patients Steps to Home in Comments Section
- Updates any Icon Based on Collaborative Care
 Discussion

Establishing TeleTracking Accountability - Nursing

Manager Reviews TeleTracking with LN at beginning and end of day



Manager attends Huddle and helps LN place content into TeleTracking real time.



Manager "Check In" and "Check Out"

- COVID status
- Patient Care Icons
 - Patient Care
 - Safety
 - Special Needs
 - Level of Care (Remote Tele, etc)
- ADOD if > 1-day LOS
- Planned Disposition if > 1-day LOS
- Family Communication
- Family ETA

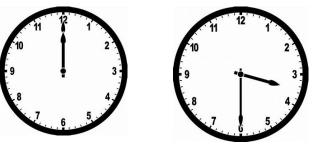
Manager 'Huddle Partner"

- ADOD
- Planned Disposition
- Home Health
- "Steps to Home"



Establishing TeleTracking Accountability – Administration of the Day

AOD attends Huddle, reviews TeleTracking and ensure that LN place content into TeleTracking real time and that key components of TeleTracking are completed.



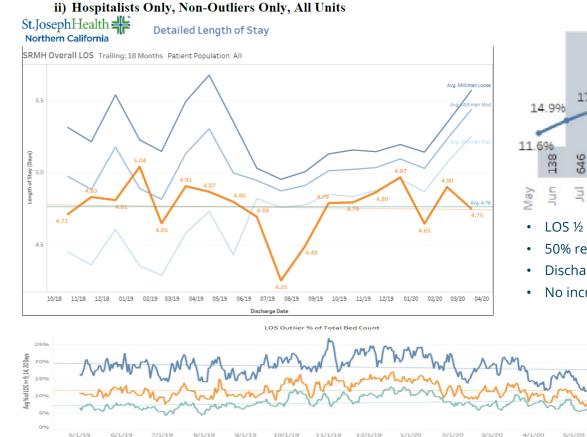
- If incomplete, AOD asks LN to contact Manager to help in completing TeleTracking in next hour
 - If Manager not available, ask LN to contact Back Up Manager
 - If Back Up Manager not available, asks LN to contact Director

AOD Huddle "Check In"

- Patient Care
 - COVID status
 - o Patient Care Icons
 - Acute Care Management
 - Safety Issues
 - Special Needs
- Disposition Planning
 - o "Steps to Home"
 - If > 1-day LOS,
 - ADOD
 - Planned Disposition
 - If Home Health, Type of Home Health
 - o If Potential SNF Disposition and LOS
 - > 1-day, and < 5 days
 - Preliminary SNF
 - SNF Acceptance
 - o CM Barriers
 - o Preliminary SNF
 - Ready for Discharge ('RFD' Flag)
- Day of Discharge Planning
 - Medical Transport Icon for Planned Medical Transports and EMS ETA
 - Medical Transports and ENDELTA
 Family ETA and Family Icon Use TeleTracking

Collaborative Care Initiative Outcomes

Discharge Orders before 9 AM





- LOS ½ day below "well managed benchmark"
- 50% reduction in LOS outliers
- Discharge Orders before 9 AM from 11% to 42%
- No increase in Readmission Rates

LOS Outlier %

LOS >= 20

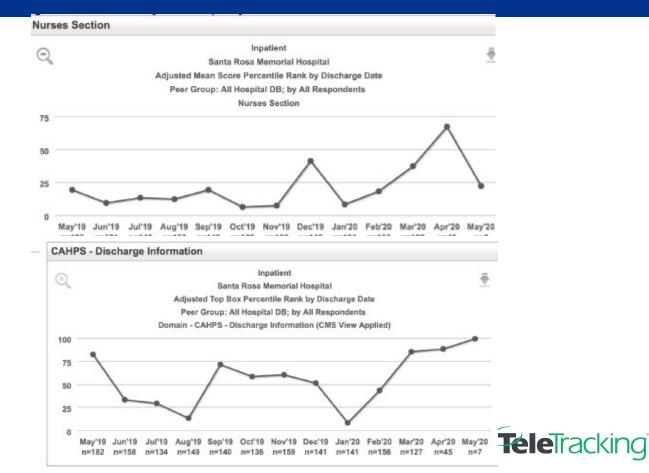
LOS >= 9

% of Daily Census OR Total Bed Count



Patient Experience Improvements

 Increased scores for nursing and information on discharge process and information



NEXT STEPS & SUSTAINABILITY

- Collaborative Care Huddles as a hospital initiative led by hospital leader and physician leader continue to ensure that TeleTracking accountability continues
- Physician alignment is critical to ensure long term success
- Additional focus on patient experience and leadership rounding



SESSION RECAP

- Collaborative Care Initiative addressing hospital capacity management, inpatient care, discharge pre-planning and day of discharge activities reduced inpatient LOS and outlier LOS
- TeleTracking Tracking and Report Capabilities became critical enabling technologies to allow sustainable change in providing patient care at SRMH



SESSION SURVEY: YOUR OPINION MATTERS!

- Click on "RATE" or "RATE SESSION" for this session within the mobile or web app
- Complete the survey





While we know TeleCon21 is more than a year away, we are excited because it is *TeleTracking's 30th Anniversary and we are already planning a spectacular event!*

We hope that you will make plans now to join us next year.

SAVE THE DATE

OCTOBER 17-20, 2021 JW MARRIOTT TURNBERRY MIAMI RESORT & SPA AVENTURA, FL

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Thank you

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