

New Jersey Hospital Improvement Innovation Network (NJHIIN) *Annual Update*

September 29, 2017



**WORKING
TOGETHER
TO IMPROVE HEALTH**

Agenda

- Overview of New Jersey Hospital Improvement Innovation Network (NJHIIN) initiative
- Hospital-specific NJHIIN reports
- Collaborative updates
- Questions and answers

NJ HIINnovation Team

- Aline Holmes: NJHIIN Director
- Lauren Rava: PFE, falls, antimicrobial stewardship, ADE
- Angela Centellas: Data reports, pressure injuries, VTE
- Pat Dimino: CAUTI, CLABSI, STRIVE CDI
- Jennifer Barrett Sryfi: Readmissions, health disparities
- Soniya Sheth: Safe imaging, ADE
- Mary Ditri: High Reliability, behavioral health, substance abuse
- Nancy Winter: Director of Education
- Dara Elkholy: Sepsis readmissions
- Kim Hewitson: Interpreter training, OAT survey, website, newsletter, creative design
- Shannon Davila: Sepsis, HAI, surgical safety

Overview

- Funded by the Centers for Medicare and Medicaid Services
- Builds on previous four years of Partnership for Patient (PfP), Hospital Engagement Network (HEN) efforts
- Aligning the QIN-QIO 11th Scope of Work and the PfP to create the systematic use of innovative patient safety practices on a national level

Program Details

- Contract timeframe: Sept. 2016 – Sept. 2018, plus one option year
- 16 HIINs selected
- Engage the hospital, provider and broader caregiver community
- Rapid implementation of well-tested and measured best practices to reduce “harm across the board”

Reduce Harm Across the Board

- Support hospitals to work on all 11 core areas of harm
 - Adverse drug events (ADE), to focus on at least the following three medication categories: opioids, anticoagulants and hypoglycemic agent
 - Central line-associated blood stream infections (CLABSI)
 - Catheter-associated urinary tract infections (CAUTI)
 - *Clostridium difficile* (*C. diff*) bacterial infection, including antibiotic stewardship
 - Injury from falls and immobility
 - Pressure Ulcers
 - Sepsis and Septic Shock
 - Surgical Site Infections (SSI)
 - Venous thromboembolism (VTE)
 - Ventilator-Associated Events (VAE)
 - Readmissions

Other Areas of Focus

- Undue Exposure to Radiation
- Multi-Drug Resistant Organisms
- Sepsis Readmissions
- High Reliability

Goals

(based on various baselines depending on metric)



- **Goal 1**

A 20 percent reduction in overall patient harm

- **Goal 2**

A 12 percent reduction in 30-day readmissions

Accomplishments to Date

HAC Topic	Rate of Change	Harm Avoided	Costs Saved	Lives Saved
ADE	-31% (avg.)	-3	(\$15,623)	0
CAUTI	-11%	147	\$147,140	3
CLABSI	-34%	103	\$1,750,777	19
<i>C. Difficile</i>	-24%	419	\$4,021,302	96
Falls	-28%	63	\$454,198	3
Pressure Ulcers	-24%	149	\$6,021,594	107
Sepsis	-7%	120	n/a	120
SSI	-22% (avg.)	19	\$397,630	1
VTE	-1%	-3	(\$22,104)	0
VAE	28%	-12	(\$208,004)	n/a
Radiation	-25%	431	n/a	n/a
MDRO	0%	48	\$823,299	11
Sepsis Readm.	4%	-7	(\$111,688)	n/a
Readmissions	-7%	6,095	\$53,686,416	n/a
TOTAL		7,569	\$66,944,938	360

Multi-pronged Approach

- *Engagement of hospital leaders:* Hospital-specific reports
- *Data to drive action:* Sepsis mortality reports, CT imaging reports, antibiotic use
- *Multi-disciplinary approach:* Medical staff, nursing, pharmacy, infection prevention, support staff
- *Evidence-based framework for improvement:* CDC core elements, Surviving Sepsis Campaign, subject matter expertise
- *Synergize with partners:* QIN-QIO and NJDOH

Overview of Hospital-specific Reports

- Report terms
- Adverse event area dashboards
 - Hospital current rate compared to its own baseline rate
 - Hospital current rate compared to NJHIIN current rate
- Run charts
- Tornado charts

Adverse Event Area Scoring Dashboard

Hospital-Specific

Hospital's Current Rate Compared to its own Baseline Rate		
ADVERSE EVENT AREA	SCORE	DESCRIPTION
Adverse Drug Events from Anticoagulants	4	Maintained 0 Rate
Adverse Drug Events from Opiates and Narcotics	4	Maintained 0 Rate
Adverse Drug Events from Poor Glycemic Control	4	Maintained 0 Rate
Warfarin Event	N/A	Not Reporting
CAUTI Standardized Infection Ratio	0	Insufficient Data
CAUTI Rate	3	Achievement
CLABSI Standardized Infection Ratio	0	Insufficient Data
CLABSI Rate	4	Maintained 0 Rate
CDI Standardized Infection Ratio	1	Reporting
CDI Rate	1	Reporting
MRSA Standardized Infection Ratio	0	Insufficient Data

Dashboard Legend:

- 0 = Insufficient current data; comparison not possible
- 1 = Data is being reported, but reduction targets were not met
- 2 = Improvement of 0% to <20% reduction was achieved (0% to <12% for readmissions)
- 3 = Achieved 20% reduction (12% reduction for readmissions)
- 4 = Had a rate of zero (0) at baseline and maintained it
- N/A = Hospital does not submit data for this measure

Adverse Event Area Scoring Dashboard

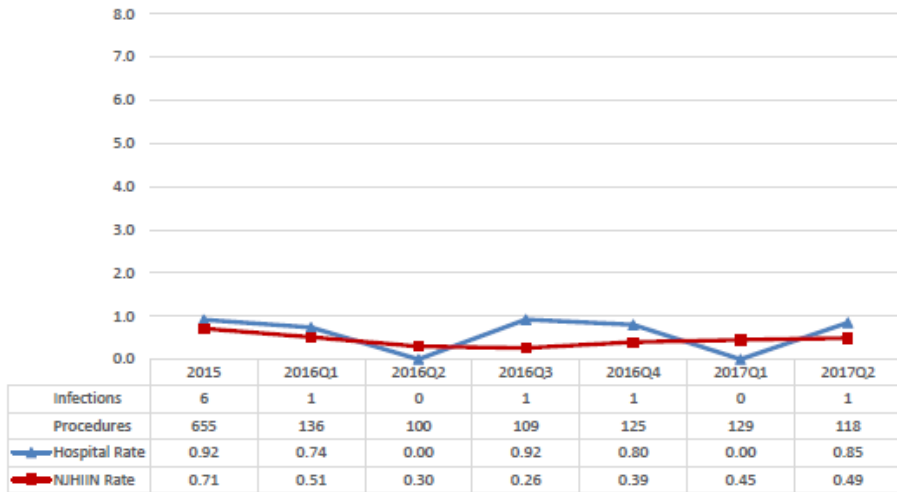
Hospital Compared to NJHIIN

Hospital's Current Rate Compared to the Statewide Current Rate	
Adverse Event Area	SCORE
Adverse Drug Events from Anticoagulants	LOWER
Adverse Drug Events from Opiates and Narcotics	LOWER
Adverse Drug Events from Poor Glycemic Control	LOWER
Warfarin Event	Not Reporting
CAUTI Standardized Infection Ratio	Insufficient Data
CAUTI Rate	LOWER
CLABSI Standardized Infection Ratio	Insufficient Data
CLABSI Rate	LOWER
CDI Standardized Infection Ratio	HIGHER

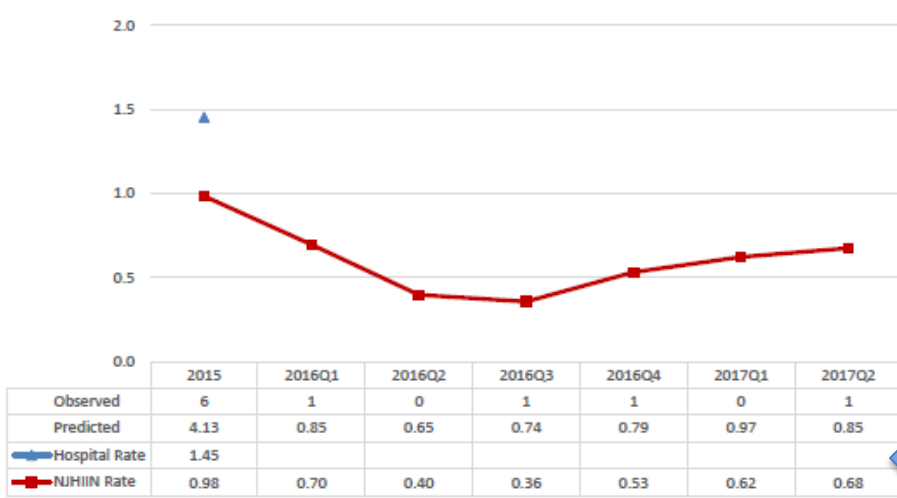
Dashboard Legend:

LOWER = Hospital's most current rate is lower than the current NJHIIN Rate
HIGHER = Hospital's most current rate is higher than the current NJHIIN Rate
Insufficient Data = Hospital not reporting current data
Not Reporting = Hospital does not submit data for this measure

SAMPLE HOSPITAL
 SSI Rate for Hysterectomy
 Surgical Site Infections per 100 Procedures
 (NHSN Measure)



SAMPLE HOSPITAL
 SSI -Hysterectomy SIR
 SSI Standardized Infection Ratio for Hysterectomy
 (NHSN Measure)



Each chart displays your hospital's numerator and denominator used to calculate the rate and only the aggregate NJHIIN data.

Please note the following:

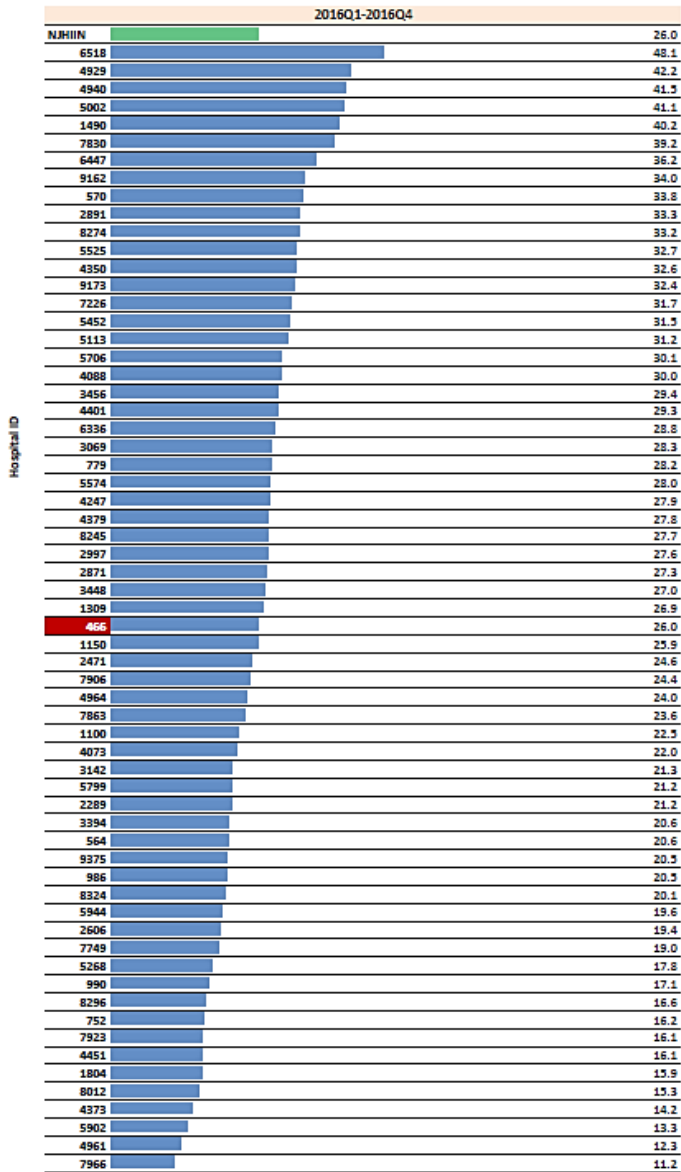
- If your hospital does not report on a measure, the run chart will be blank.
- Standardized Infection Ratio (SIR) measures will only display a rate when the predicted value is greater than or equal to 1.

Please see pg. 2 of the report for more details.



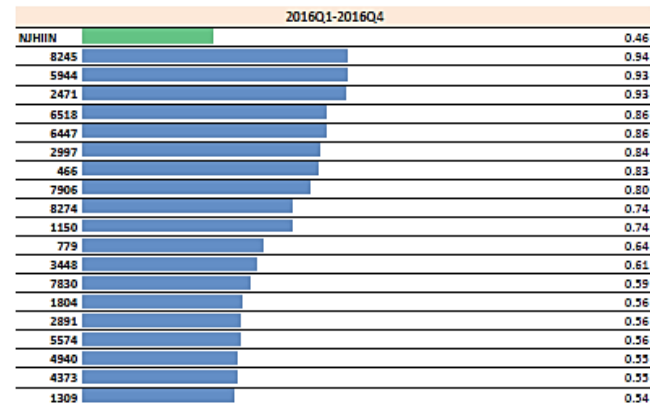
Mortality Rate for Sepsis & Septic Shock
Patients Expired While in Hospital per 100 Severe Sepsis & Septic Shock Cases
(New Jersey Discharge Data System)

Your Hospital ID:
466



Falls With Injury Rate
Falls with Injury per 1,000 Med-Surg Patient Days
(NDNQJ Measure)

Your Hospital ID:
report this measure



The tornado charts contain your hospital's data charted next to that of all hospitals reporting data for these measures. The most current complete year's aggregate data is shown.

Note: Only *Standardized Infection Ratio* data is standardized. Standardizing the data accounts for variations in exposure and incidence as well as risk factors, promoting more fair comparisons.

Hospital-specific Reports

- Preview reports sent to HIIN hospital leads on September 28
 - Review and contact us with any questions
- CEOs will receive a final copy October 13

Adverse Event Area Collaborative Updates

Adverse Drug Events

- Opioid Misuse Series
 - New Jersey epidemiology of opioid misuse, abuse, addiction and overdose related death;
 - Regulations and requirements;
 - Drug diversion within facilities;
 - Impaired health care professional;
 - Acute pain management;
 - Chronic pain management;
 - Opioid-related addiction and issues in the very young and very old;
 - Legal implications for health care professionals related to inappropriate opioid prescribing; and,
 - An overview of opioid prescribing, abuse, diversion and addiction.
- ADE Conference – November 8

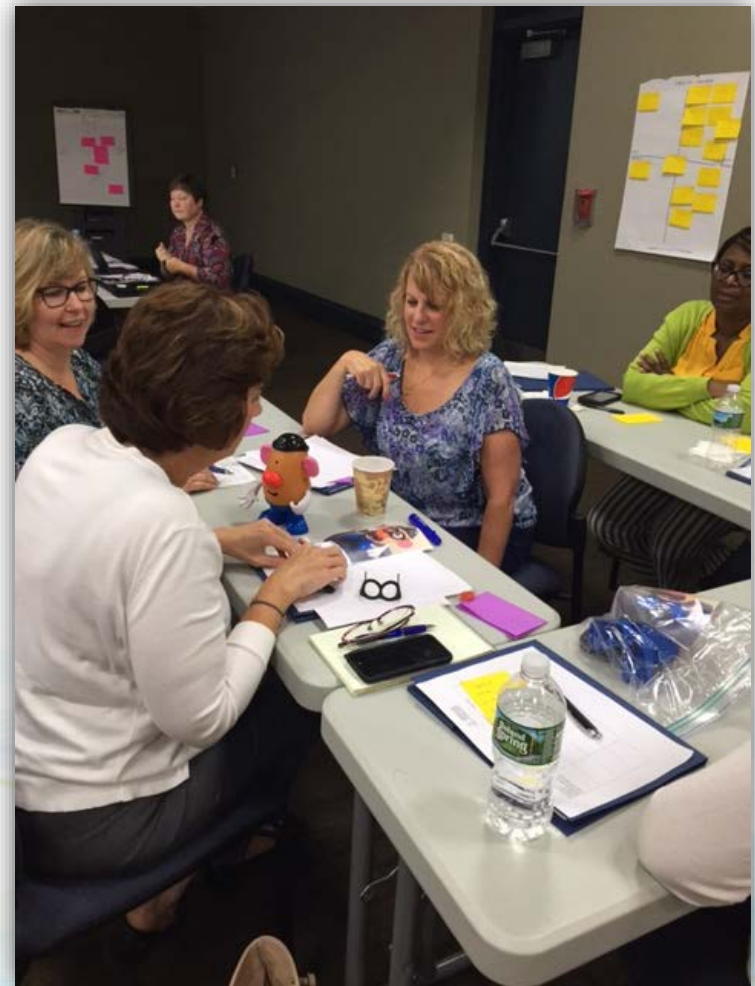
Surgical Safety

- Enhanced Recover After Surgery
 - Patient and family engagement, including counseling about expectations for surgery and recovery
 - State of the art analgesia
 - Early mobility and restoration of functional status
 - Avoidance of prolonged periods of fasting
 - Evidence-based best practices for preventing harms
- American College of Surgeons/Armstrong Institute Collaborative
 - Cohort 1 Colon Surgery

HAI Accomplishments

- Year long HAI Prevention Series; The Power of ZERO HAI Kills
- AHRQ Safety Program for ICUs Cohort2: CLABSI/CAUTI
 - October 2016 – September 2017
 - Participation: 10 hospitals; 15 units
- States Targeting Reductions in Infections via Engagement (STRIVE)
 - April 2017 – March 2018
 - Participation: 16 hospitals
- Targeted HAIs: CDI, CLABSI, CAUTI, MRSA
 - Using TAP Strategy to identify units with highest infection rates
 - TAP Workshop – Attended by participating hospitals August 2017

Targeted Assessment for Prevention



HAI Plans for 2018

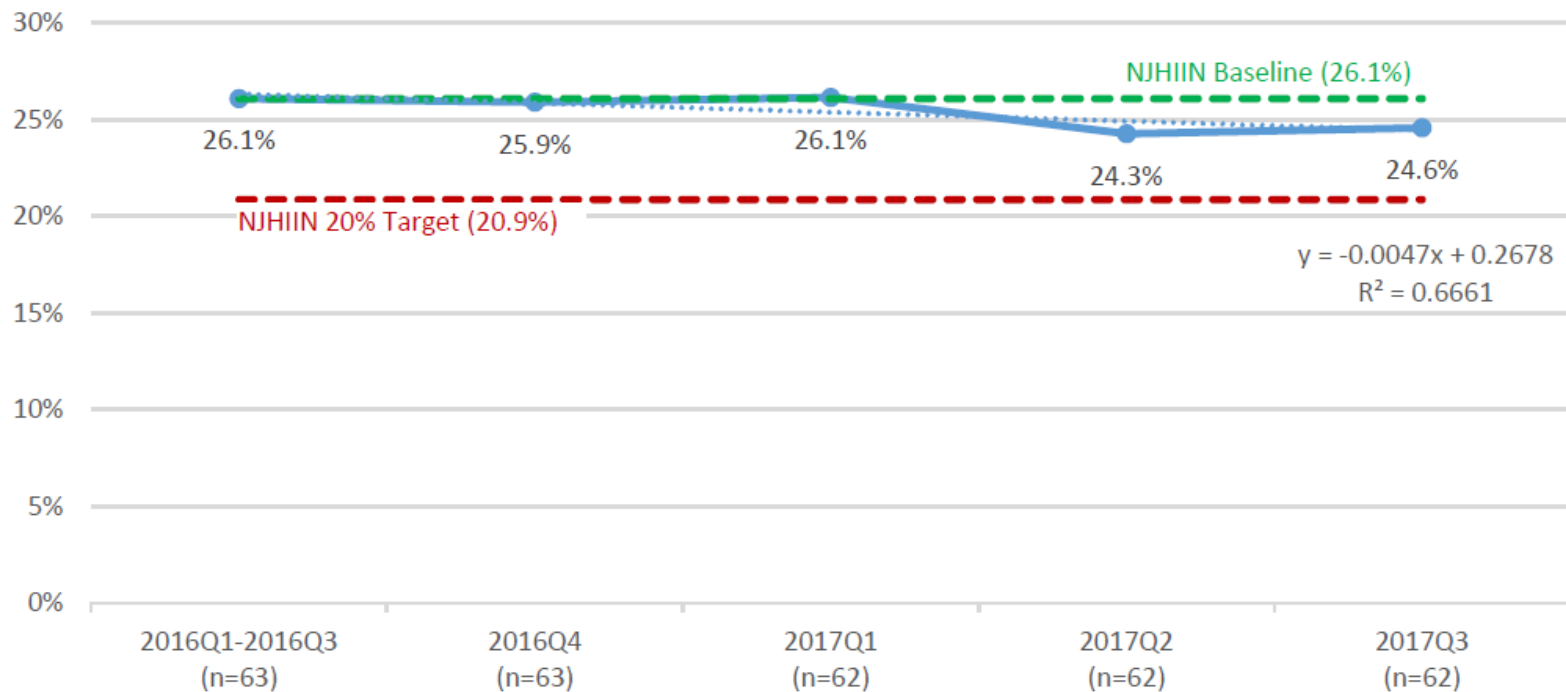
- Focus on VAE prevention
- Stratify HAI data by race, age, gender
- Continue Antimicrobial Stewardship programs to reduce CDI and MRSA
- TAP workshop for CAUTI and CLABSI

Sepsis Updates

- Continue efforts for early screening and treatment
- Preventing sepsis readmissions
- Engaging patient and families in sepsis
- Other areas of interest
 - Documentation and coding of sepsis webinar October 18
 - Neonatal sepsis management webinar January 10

Sepsis Mortality

Mortality Rate for Severe Sepsis & Septic Shock
Expired While in Hospital per 100 Severe Sepsis & Septic Shock Cases
(New Jersey Discharge Data System)



Engaging Patients and Families in Sepsis Improvement

- Partnering with Sepsis Alliance
- Sepsis Awareness Month
- New sepsis education handout

Tips for Prevention

You can help prevent sepsis by getting vaccinations against the flu and pneumonia ...

... and practicing good hygiene such as handwashing.

Early SEPSIS treatment SAVES LIVES!

What you know about SEPSIS can save a life
The first step to survival is sepsis awareness.

Know four important points about sepsis:

1. Common causes of sepsis
2. Signs and symptoms of sepsis
3. Steps to take if you think you have sepsis
4. How to prevent sepsis

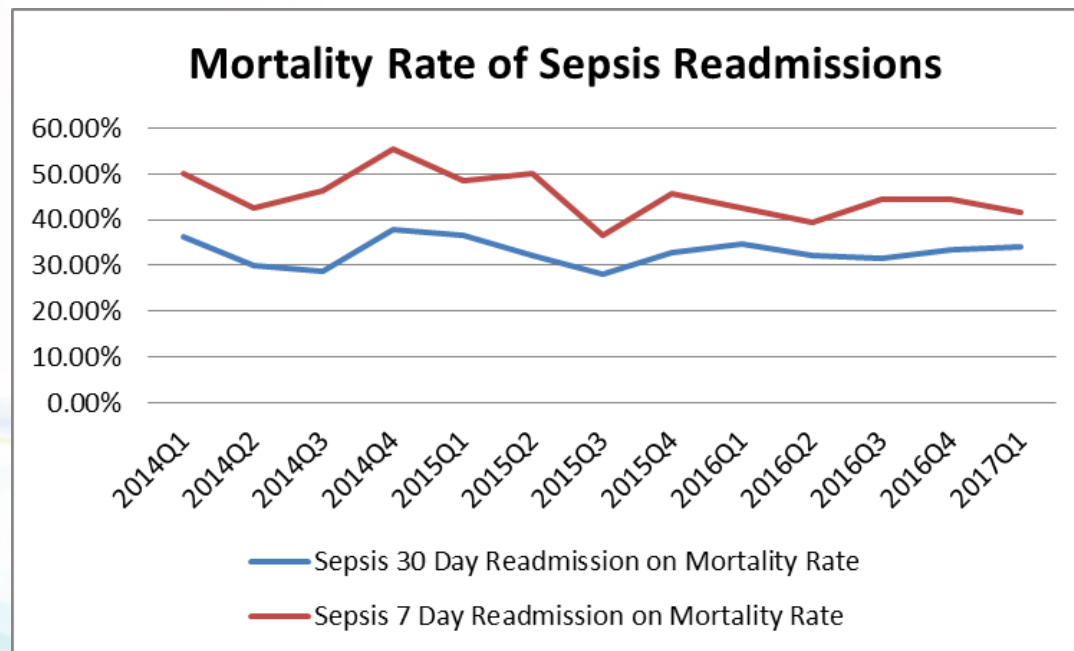
Sepsis is a health emergency. Treat Early to Save Lives

In association with New Jersey Hospital Association

NJHA **WORKING TOGETHER TO IMPROVE HEALTH**

Sepsis Readmissions

- New data on sepsis mortality and readmissions
- Disparities of patients being readmitted (age, race, language, payer and ethnicity)



Sepsis Readmissions Toolkit

- Patient education and family engagement
 - Patient instructions (PMAT tool, Sepsis Alliance, NJHA tool, Surviving - Sepsis Campaign)
 - Discharge checklist
 - Readmission
- Preparation for next level of care (transitions)
 - Quality improvement
- Partnering with the community
- Goals of care
- Life after sepsis

Antimicrobial Stewardship Collaborative

Accomplishments

- Monthly webinars and multiple in-person learning sessions covering
- LTC series
 - Leadership commitment
 - Accountability
 - Drug expertise
 - Action
 - Tracking
 - Reporting
 - Education

Plans for 2018

- Engage more teams in collecting antibiotic use data
- Cover more advanced topics
- ICU/Ventilated patient
- Sepsis
- Transitions of care
 - Peri-operative use
 - Pediatrics
- Continue to implement best practices

Antimicrobial Stewardship Collaborative

Kennedy Health's Multi-Disciplinary ASP Program and Impact on HO-CDI: A 3-Year Initiative

Cindy Hou, DO, MBA, FACD; David Condoluci, DO, MACO; Nikunj Vyas, PharmD, BCPS; Marianne Kraemer, RN, MPA, ED, M, CENP, CCRN; Debbie Cunningham, BA, MT, HHS; Donna Cybulski, RN, MSN, CCRN, and Christine Andrusik, RN, BSN, CPHQ

INTRODUCTION

- Kennedy Health's fast facts:
 - 2016 revenue: \$630.7 million
 - 4,800+ associates in all hospitals and subsidiaries
 - More than 1,000 physicians
 - Total # licensed beds: 607
 - 196 - Kennedy-Cherry Hill
 - 181 - Kennedy-Stratford
 - 230 - Kennedy-Washington Township
- November 2014: Implementation of Antimicrobial Stewardship Program (ASP) and Antimicrobial Stewardship Committee.
- Leadership by ID physician and clinical ID pharmacist
- Goals of our ASP include: Reduction in hospital onset CDI infection (HO-CDI), as well as streamlining our approach to antimicrobial management to reduce antimicrobial utilization (DOT/1000PD).

ASP IMPLEMENTATION AND INTERVENTIONS

ASP and ASP committee implemented system-wide	Rapid Diagnostics on Blood Culture Implemented	Antiprotonic and All Carbapenems Restricted to Infectious Diseases	UTI and SSTI Guidelines and Cascade Reporting Implemented	Septis and + 2 Antibiotics, and RN antibiotic survey	Nursing Antimicrobial Education Implemented at ST
Nov 2014	Feb 2015	March 2015	May 2015	Sept 2015	January 2016
Prospective and Audit Pharmacy Interventions expanded to WY	Pharmacy Interventions expanded to ST and CH	CDC Core Checklist and HAI/CAP Guidelines created	Antibiotics during CAB Policy Antibiotic Rounds	Rapid Diagnostics Expanded to Respiratory and CSF Cultures	Invited to be the Lead Clinical Faculty for RISK ASP Collaborative

ANTIMICROBIAL UTILIZATION AND HO-CDI TRENDS

DOT vs CDI Washington Township

DOT vs CDI Stratford

DOT vs CDI Cherry Hill

DESIGN OF ASP

NATIONAL PRESENTATIONS

- October 2015 (Poster Session): Vyas, N, et al. ED Septis and Impact of Appropriate Antimicrobial Selection. ACP
- October 2016 (Poster Session): Vyas, N, et al. ASP Implementation and Pharmacy Feedback Impact on Antibiotic Utilization and HO-CDI rates. IDWeek
- October 2016 (Poster Session): Hou, C. Everything you ever wanted to know about antibiotic stewardship in 60 minutes. ACP
- June 2017 (Poster Session): Hou, C, et al. The Nursing Core Checklist for Antibiotic Stewardship: How to Engage Nursing in Critical Antibiotic Stewardship. American Journal of Infection Control. ACP

UPCOMING PROJECTS AND FUTURE DIRECTION

- Enhancing the role of nursing and infection control in AS
- Sharing antimicrobial stewardship and response of care
- Reviewing the implication of a LSIH using algorithm
- Expanding role of staff pharmacist to ID

CONTACT US

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Hackensack Meridian Health
Riverside Medical Center
492 bed, Acute Care Community Hospital

Antimicrobial Stewardship Team

Joseph Beckman, MD Chief of Staff	Kathy McKeon, MD, PhD Chief Nursing Officer	Dr. Marcellino, MD, PhD, MPH Senior Manager of Patient Care
John Ripoli, MD SICU Chairman	Stephanie Neumann, MD Director of Emergency Dept	Nancy M. Arnold, MD Director of Infectious Disease
Neeraj Arora, MD Director of Respiratory Care	Caroline Higgins, MD Director of Hematology/Oncology	Blake Smith, MD ID & Inpatient Medicine
Katherine Paster, MD, PhD, MPH Nursing & Inpatient Manager	Dolly Vaidyan, PharmD Clinical Pharmacy Specialist	Wendy Mahalik, MD, PhD, ID Infectious Disease Manager
Rajiv Arora, MD, PhD, MPH Clinical Education Manager	Equita Vaidyan, MD, PhD Laboratory Manager	Lisa Ross Customer Management Analyst

2017 Focus Areas

- Leadership Commitment:** Develop and distribute a newsletter column from the CEO and CMO and/or Chief of the medical staff, highlighting the ASP and their involvement in supporting antimicrobial care.
- Accountability:** Hold the ASP leader accountable for specific stewardship outcomes measures.
- Drug Expertise:** Hold 3-5 hour educational sessions for Pharmacists, Clergy, Dietitians, Nurses, B. APPS, Infectious Disease Clinical Pharmacists.
- Action:** Recurrent documentation of drug-specific education, drug dose and duration for all antibiotic orders.
- Tracking:** Adherence to facility specific, evidence based recommendations in guidelines.
- Reporting:** Hold quarterly staff meetings with physicians, with a prominent place of the agenda to share ASP data.
- Education:** Institutional antimicrobial stewardship programs will be developed for new medical staff.

Antimicrobial Stewardship PI Dashboard

Restricted Antimicrobial Consumption (DOT - doses per 1000 PD days)

Non-Restricted Antimicrobial Consumption (DOT - doses per 1000 PD days)

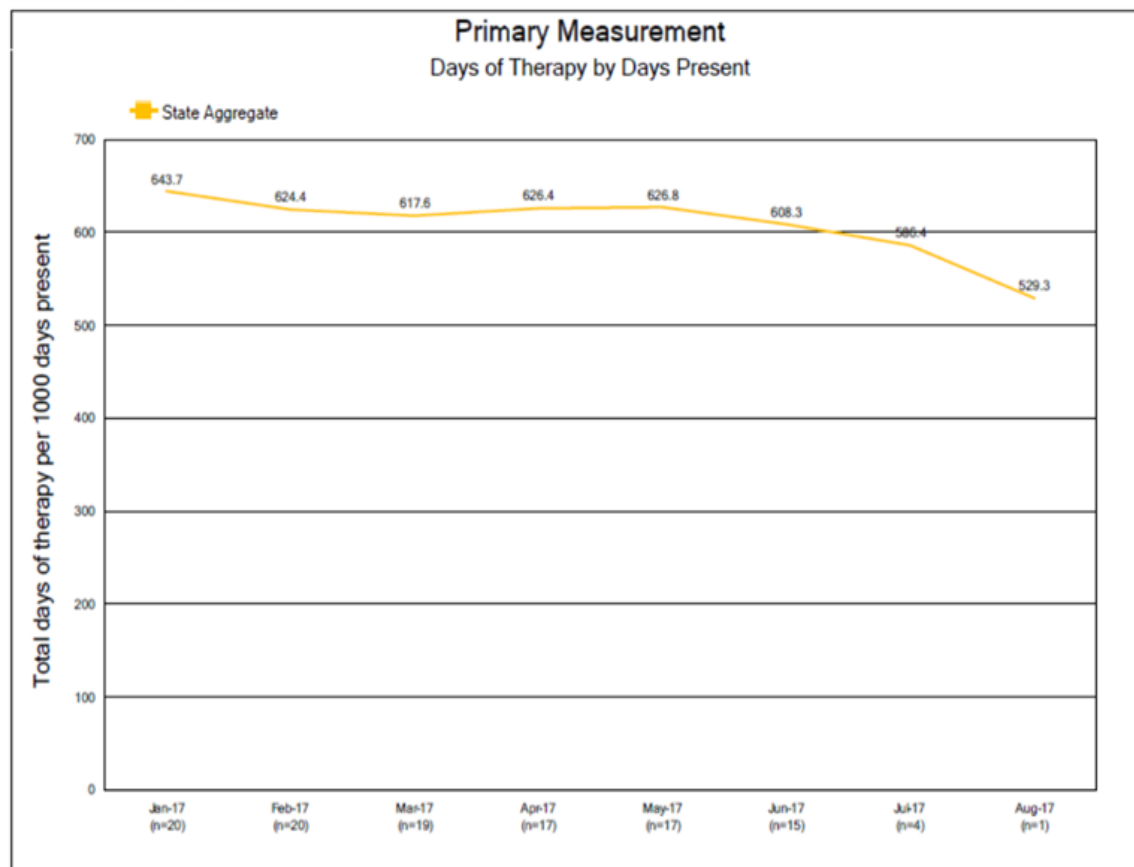
Initiative started March 15, 2017

Hospital wide Memo sent to the Physicians with a new 48 hour antibiotic review rule

Restricted vs Non-Restricted Antimicrobial Consumption Jan-June 2017

DOT of all injectable and oral antimicrobials- 2017 YTD

Results



Fall Prevention

- ~10 N.J. hospitals enrolled in the Falls TIPS Collaborative, led by Dr. Patti Dykes and her team from Brigham and Women's Hospital
- In-person sessions in May 2017 and April 2018, 6-part webinar series over the course of one year, including coaching webinars and content webinars on behavioral health and community-based fall prevention
- Dr. Dykes and her team provide all training materials, Falls TIPS poster, instructions, logos and FAQs, as well as constant support
- Still time to join Collaborative!

Venous Thromboembolisms

- Assessing the Risk for Venous Thromboembolism (VTE) in Hospitalized Medical Patients – March 17, 2017
 - Importance of identifying VTE risk factors, performing a thorough assessment for VTE risk, and initiation of VTE prophylaxis if risk is significant even with vague or missing symptoms.
- Anticoagulant Education for Patients Diagnosed with VTE - **Oct 30, 2017, 12 noon – 1 p.m.**
 - DOAC limitations & use in routine clinical care
 - The Joint Commission’s Discharge Instructions / Education Materials for Venous Thromboembolism (VTE): A Comprehensive Approach to Medication Management

Pressure Injuries

The Pressure Injury Prevention 3-part webinar series kicked off in May 2017, to help inform hospitals of best practices in pressure injury prevention. Faculty experts in the field presented updates and best practice techniques.

Accomplishments 2017

- Identified changes in terminology from pressure ulcer to pressure injury and staging
- Reviewed pressure injury updates from the international perspective
- Defined appropriate documentation for the use of the term unavoidable pressure ulcer
- **In-Person Conference** – Nov. 1 at NJHA Princeton, NJ

Plans for 2018

- Faculty lead – Mary Brennan
- Targeted outreach – High and low performers

Measure	Percent Change from Baseline
HAPU (NQF 0201) Rate, Stage 2+	-23%
PSI-3: Decubitus Ulcer Rate Stage III or IV	59%



Children's Safe Imaging Collaborative

Update

#SCANSMART: Children's Safe Imaging Collaborative Scope of Work

- NJHIIN and N.J. Council of Children's Hospitals teamed up to focus on the use of CT scans on children with minor head injuries discharged from the ED.
- Collaborative started September 2016
- 47 hospitals committed to reducing the overall # of CT scans done on children by 20 percent
- Provided hospital-specific data highlighting the number of CT scans ordered on patients seen and treated for minor head injury prior to discharge from the ED (based on 9 ICD-9 & ICD-10 codes)

Scope of work, *cont.*

- Receive quarterly data in the form of a tornado graph with all hospitals unidentified to monitor and evaluate improvement in reduction of CT scans.
- Hosted educational webinars with expert speakers to all member hospitals highlighting, use of the Pediatric Emergency Care Applied Research Network Head Injury/Trauma Algorithm (PECARN), risk of radiation in children, and the nurses role in reducing CT Imaging.
- Engage in hospital-to-hospital best practice and policy sharing

Collaborative Goals

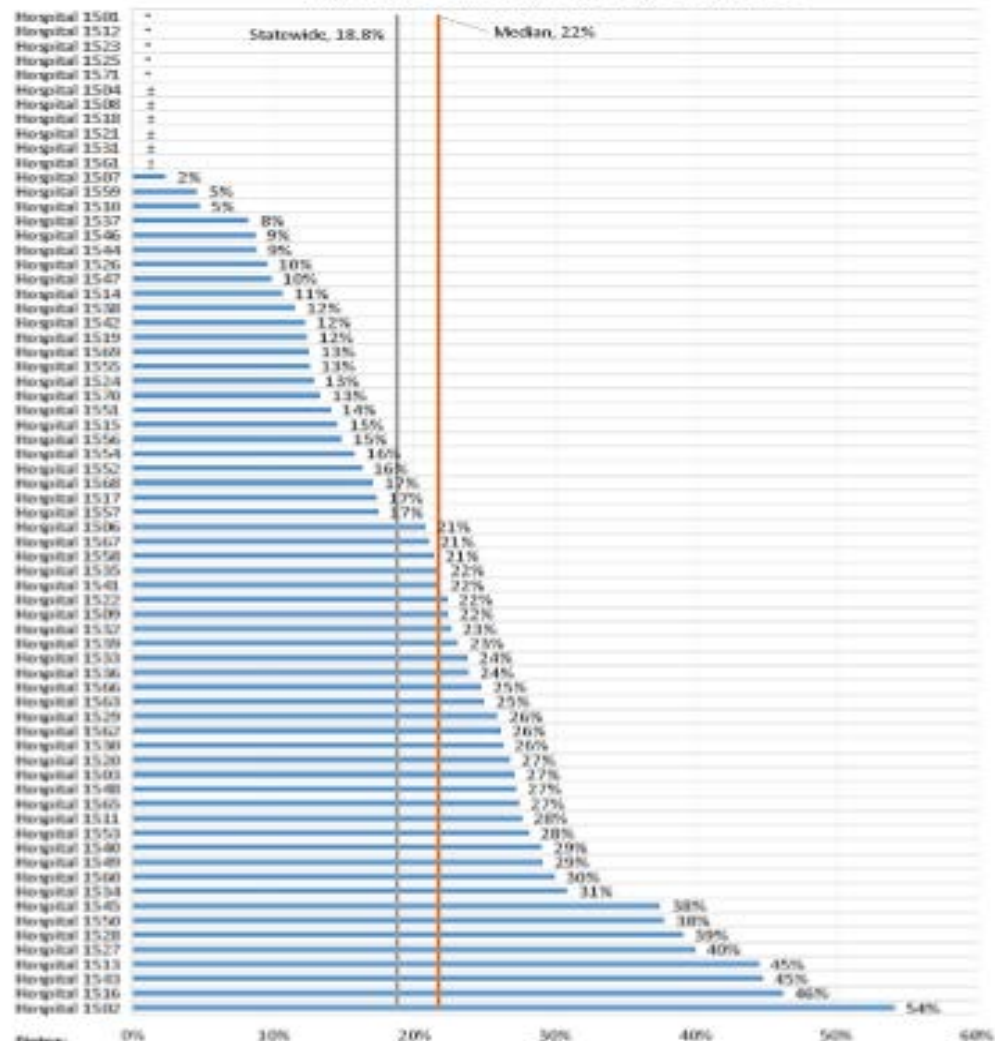
Goals:

- Hospitals **that have lower rates** than the median of the Emergency Department Head CT Scans for Pediatric Patients (0-17 years of age) graph will assess current practice to determine if any improvement can be made.
- Hospitals **that have higher rates** than the median of the Emergency Department Head CT Scans for Pediatric Patients (0-17 years of age) graph will reduce head CTs by 20 percent from their current standing.

Achieve Goals By:

1. **The Right Exam** – use of the Pediatric Emergency Care Applied Research Network Clinical Prediction Rule (PECARN).
2. **The Right Way** – have protocols in place to reduce dual-phase head and chest CT imaging.
3. **The Right Radiation Dose** – use of size-specific pediatric CT imaging protocols.

ED Head CT Scans Without Contrast for Pediatric Patients (0-17 years of age),
by Hospital, 2017Q1-Q2
Ranked by Percent of Minor Head Injury Discharges



Accomplishments

Time	Sum of Numerator	Sum of Denominator	Rate
Sept 2015-Aug 2016	4940	20077	24.6%
Sept 2016-July 2017	2962	14791	20.0%

Percent Change: **-18.6%**

- Sent PECARN lanyards to all participating hospitals to be used by ED providers and staff
- Developed and created #SCANSMART patient resource and educational toolkit
- Toolkit sent to all EDs the week of Sept. 11

Accomplishments, *cont.*



#ScanSmart

There are ways to work with the medical team to ensure your child is exposed to the smallest amount of radiation possible. Stay **COOL** and ask questions.

- C** onsider using other testing (without radiation) when appropriate
- O** nly image the indicated area
- O** nly scan once
- L** owest amount of radiation based on child's size (child-dosing) should be administered

Parents are their child's best advocate. Make sure a CT scan is necessary before agreeing to the procedure.

#ScanSmart

GUIDE TO Children's Safe CT IMAGING

CT scans are a good way for doctors to diagnose what is happening in our bodies, but they are not without risk especially when children are involved.

- **Do I have a choice?**
 - As a parent or caregiver you always have a choice. However, it is important that you have all the information about your child's injury and symptoms. There are some important things to remember and discuss with your medical professional:
 - Is there a clear medical benefit for conducting a CT scan?
 - Are there any other tests (such as an MRI or an ultrasound) or services (such as observing your child for a time period) that would safely take the place of a CT scan?
 - If you and your medical professional decide to proceed with a CT scan, ask to make sure that the CT scan setting is adjusted to the size and weight of the child so that the lowest possible dose is given.
 - Explain to your child that the CT scanner is large and noisy like a donut. The child will be laid flat on the table and will need to remain still while the table moves through the donut. The test itself is quick and painless, and it is often encouraged that you remain with your child. Sedation may be given to keep the child still during the test.
 - Avoid multiple scans and keep track of your child's radiology exposure by using the pocket card attached below by listing all X-rays (including dental), CT scans and radiology tests, performed through the years.
 - Talk to your child's doctor and nurses, be involved in the care plan and ask questions if you have concerns.

DATE	TYPE OF IMAGING	DOSE (IF APPLICABLE)

#ScanSmart

Accomplishments, *cont.*

- Article on #SCANSMART in Fall issue of NJ AAP
 - Publication released Sept. 15 with #SCANSMART pamphlet insert and PECARN algorithm card to reach 1700+ pediatricians.

Plans for 2018

- Continue to provide quarterly CT data to all hospitals until 2018.
- Collect information and data regarding pediatric radiation dosing and pediatric CT protocols.
- Survey to help guide HRET in creating a standard level of best practice and compliance when determining appropriate levels of radiation dosing in pediatric population.
 - Appropriate member of team complete the following survey at earliest convenience. <https://www.surveymonkey.com/r/CTdosing>

Reducing Readmissions

- Partner with Quality Innovation Network, Quality Improvement Organization (QIN-QIO)
 - Planning to convene a new Community Coalition in an underserved, high need area (Passaic)
- Partner with NJ Innovation Institute's Transforming Clinical Practice Initiative (TCPI)
 - Exploring ways to engage physician practice settings

Reducing Readmissions

- Community-based Healthcare Navigator pilot project
 - Address community-based factors that impact readmissions (health insurance status/literacy, lack of supports, chronic condition, mental illness)
 - Trained Healthcare Navigators (Veterans) use Health COACH model to provide outreach, screening for mental health and social service needs, education, patient empowerment, care coordination, and referrals
 - 4 Navigators serving in Camden, Gloucester, Burlington & Essex, Passaic, surrounding areas

Navigator Assistance to Date

- Assisted 618 families (952 individuals)
- 135 receive long-term health coaching
 - Education on utilization/sites of healthcare, self-care
 - Assistance with medication access
 - Referrals to chronic disease management program
- 48 aided with enrolling in health coverage program
- 209 assisted with finding/setting appt. with PCP
- 113 screened and referred for mental health needs
- 507 linked to transportation, other social supports

Community-Based Measures

- ACS Hospitalizations
 - % of inpatient discharges with primary care or ambulatory care-sensitive diagnoses (1st four)
- ACS ED Visits
 - % of ED treat-and-release discharges with primary care or ambulatory care-sensitive diagnoses (1st four)
- Proxy measures of access to community-based primary care
 - Conditions better treated by PCP or resulting from poor chronic disease management

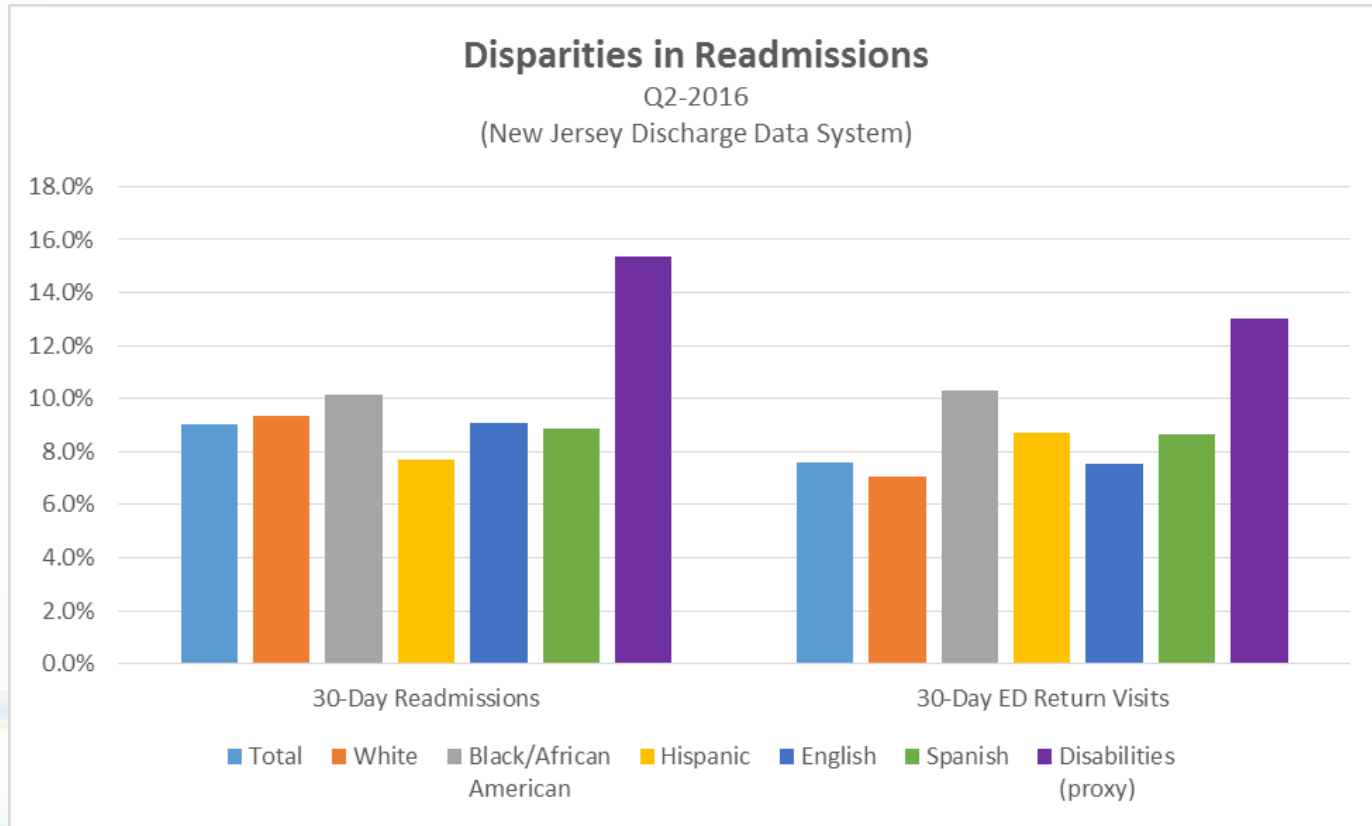
Primary Care / ACS Diagnoses

- TB
- HIV, STDs
- Virus (unspec.)
- Abnormal breast/cervical findings
- Diabetes
- Failure to thrive
- Dehydration
- Alcohol/drug dependence
- Depression, anxiety mood disorders
- ADD, disruptive behavior
- Other mental disorders
- Otitis media
- Heart disease (sel.)
- Hypertension
- Acute pharyngitis
- Acute URI (unsped.)
- Acute bronchitis
- Asthma
- GE, colitis (unspec.)
- UTI (unspec.)
- Perinatal (select)
- Lumbago
- Fever, headache
- Other/unsp. chest/abdominal pain
- Sprain, strain, contusion
- Finger wound
- Exposure (hot/cold)
- Attn. to surgical dressings, sutures

Addressing Healthcare Disparities

- Support hospital collection of information on patient race, ethnicity and preferred language (REAL)
 - Identify gaps in data collection
 - Tools, resources, education for registrars on best data collection techniques
- Stratify data and report outcomes by age, sex, race, ethnicity, payor – aggregate and hospital level
- *Interpreter Training of Bilingual Healthcare Staff*
- *Everyone with Diabetes Counts*

Measuring Disparities



Health Equity Metric

- Coming soon: Gap Assessment Survey
 - Strategies for collecting REAL data from patients
 - Identifying shortcomings in the REAL data collected
 - Utilizing data on healthcare outcomes disparities
 - Establishing a culture of health equity
- Participating in design of new metric on health equity to be used by all HIINs

Addressing Healthcare Disparities

■ Next Steps

- Develop a NJHIIN-level REAL data analysis report, including more granular breakdowns of race and ethnicity categories than is currently reported
- Validate the accuracy of REAL data at the aggregate level, by comparing to Census data
- Facilitate a similar REAL data gap analysis trial with a pilot hospital
- Review examples of hospital-specific REAL data reports from other HIINs
- Use NJDDCS data to develop hospital REAL data reports

Patient and Family Engagement

- Advance PFE interventions
 - In-depth webinar series around the PFE metrics identified as the greatest areas of improvement: PFE Metrics 2, 4, 5
 - PFE Conference - November 15
- Patient and family advisory counsels (PFAC)
 - Goal: for every hospital in NJ to have a PFAC
- Improve cultural competency of healthcare workers around LGBT patient issues
 - Research paper available as a resource: identifies population, data collection issues and health disparities

Patient and Family Engagement

- Integrate the “Voice of the Patient” into all of harm reduction approaches
 - Sepsis Collaborative has included education about sepsis and PFE
 - Pressure Ulcer Collaborative – disseminating brochures of hospitals to give to patients on the early identification of pressure ulcers
 - Safe imaging (head CT) – included PFCC in all sub-projects
 - Attendees at all NJHIIN in-person sessions will be surveyed on their understanding on PFE metrics and if hospitals have implemented them

Improving Safety Culture

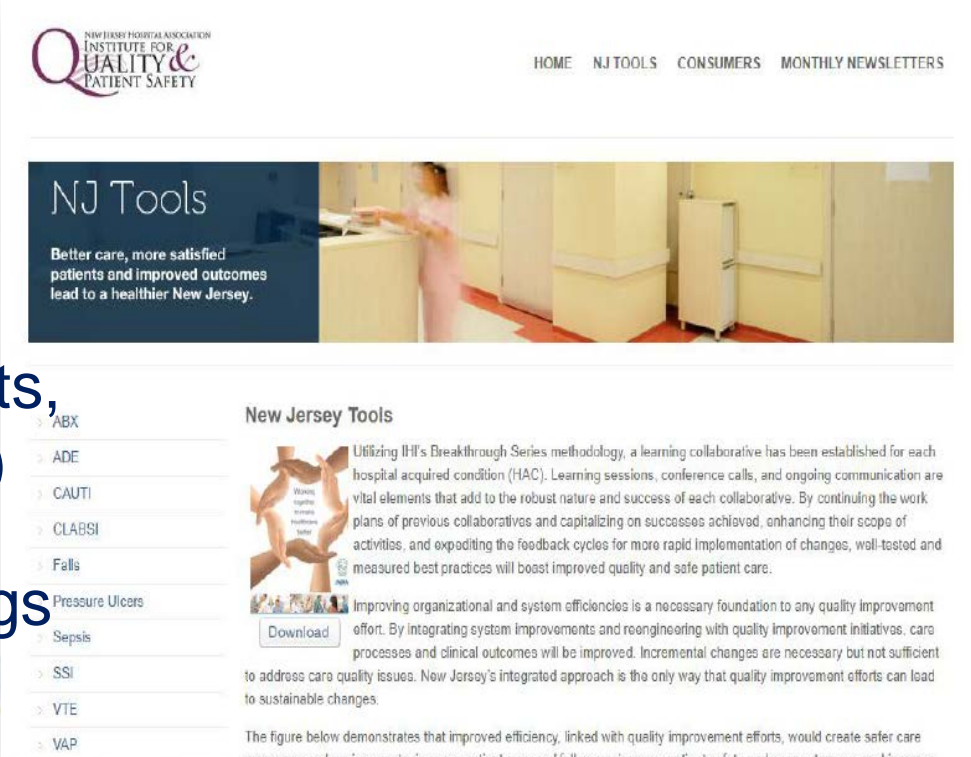
- What is a **High Reliability Organization**?
- Teamwork-based safety culture so inevitable human mistakes do not lead to patient harm
- Based on simultaneous actions in four areas –
 - Inter-professional interventions
 - Behavioral changes
 - Structured leadership
 - Culture of safety as a core value

HRO Collaborative Details

- 12 hospitals participating
- Boot camp and on-site SSER diagnostics
- Web-based and didactic learning sessions beginning Sept. 2017
 - Sept. 22 (SEC Criteria, SSER Reporting Expectations and Initiative Roll Out)
 - Oct. 9 (Culture Design Planning Day)
 - Oct. 23 (Culture Design Day)
 - Oct. 27 (Safety Huddles and Culture Change)
 - November 2017 – May 2018 (24 programs for leadership and front-line staff)

NJHIIN Website Update

- Progress updates
- Resources (guidelines, toolkits, patient education)
- Webinar recordings

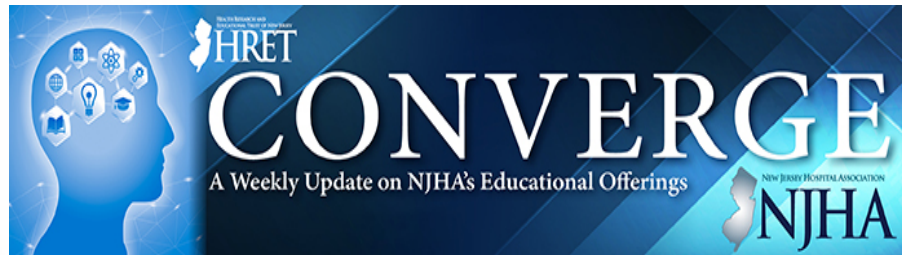


The screenshot shows the NJHIIN website header with the logo for the New Jersey Hospital Association Institute for Quality & Patient Safety. Navigation links include HOME, NJ TOOLS, CONSUMERS, and MONTHLY NEWSLETTERS. The main content area features a banner for 'NJ Tools' with the text: 'Better care, more satisfied patients and improved outcomes lead to a healthier New Jersey.' Below the banner is a list of categories: ABX, ADE, CAUTI, CLABSI, Falls, Pressure Ulcers, Sepsis, SSI, VTE, and VAP. The 'New Jersey Tools' section includes an image of hands holding a globe and text describing a learning collaborative for hospital acquired conditions (HAC). A 'Download' button is visible below the image. The text continues: 'Improving organizational and system efficiencies is a necessary foundation to any quality improvement effort. By integrating system improvements and reengineering with quality improvement initiatives, care processes and clinical outcomes will be improved. Incremental changes are necessary but not sufficient to address care quality issues. New Jersey's integrated approach is the only way that quality improvement efforts can lead to sustainable changes. The figure below demonstrates that improved efficiency, linked with quality improvement efforts, would create safer care processes and environments, improve patient care and follow-up, improve patient safety and care outcomes, and improve

<http://www.njha.com/PFP/NJTools>

NJHIIN Education

www.njha.com/education



- Webinars (complimentary)
- In-person Learning Sessions (complimentary with \$30 optional lunch charge)
- Archived Webinars on all HACS (<http://www.njha.com/PFP/NJTools>)

Next Steps

- Review your NJHIIN hospital-specific report
- Visit the NJHIIN website
- Share educational program calendar with staff
- Join the NJHA-PfP listserv for updates

njha-pfp@njha-listserv.com

Questions?

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