

Welcome to Today's Expert Webinar for the 2018 MQii Learning Collaborative:

"Snapshots from Three 2018 MQii Learning Collaborative Members"

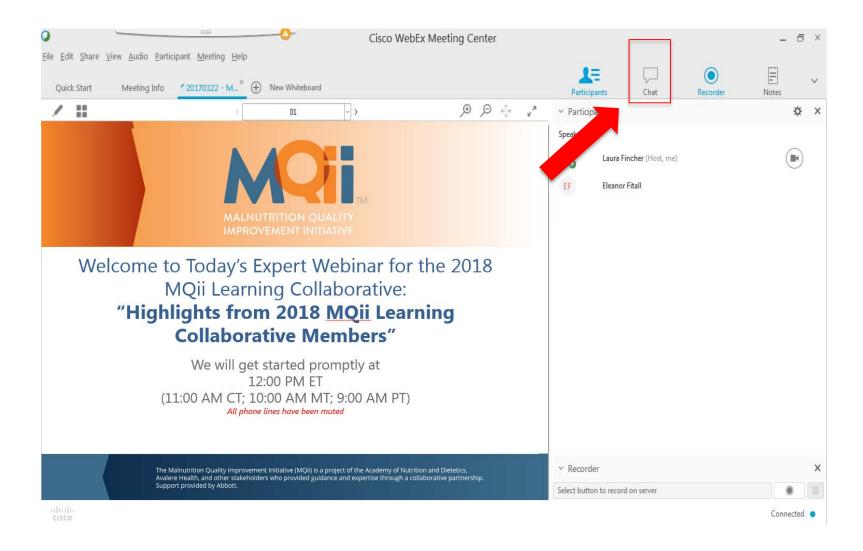
December 14, 2018

We will get started promptly at 12:00 PM ET

(11:00 AM CT; 10:00 AM MT; 9:00 AM PT)

All phone lines have been muted

Before We Get Started...





Today's Agenda

Agenda Item	Presenter
Welcome and introduction to the "Highlights from 2018 MQii Learning Collaborative Members" webinar	Kelsey Jones
Strategies in Data Collection/Analysis for a Multi- Facility Organization	Barbara Sherwood, MS, RDN, CD
Prevalence Monitoring, Nutrition Screening, and Outcomes	Louise Merriman, MS, RD, CDN and Kristen Mathieson, MBA, RD, CDN
Nutrition Risk Screening in Identification of Patients with Malnutrition	Lori Hartz, MS, RDN, CD and Cheryl Shockey MS, RDN, CD
Questions – 10 mins	





Strategies in Data Collection/Analysis for a Multi-Facility Organization





Barbara Sherwood, MS, RDN, CD

Clinical Nutrition Manager,
Intermountain Healthcare

- Build your team
 - Identify IT and leaders to support you and the project
 - Engage staff members, share the mission and excitement
- Continually Evaluate the Data
 - Do the numbers make sense?
- Use the data to find your CI pathway
 - Use your team to decide the direction

Building a Team

- Always network within your organization
 - Knowing key players outside your designation is important.
 - Ask questions How are other people getting projects completed?
- Find out what your leaders are being held accountable to accomplish
 - Your goals must align with the organization
 - You will have more support if others share the same needs
- Find a research champion to get through the IRB process
- You will need your staff to accomplish your goals
- Set a timeline and goals for the project even if it's invented

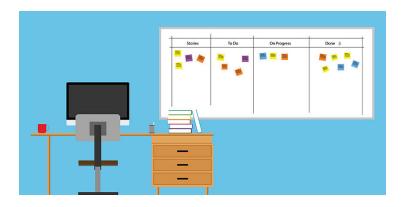




Engage Your Staff

- Keep staff informed of the process.
- Create a "Huddle Board" for tracking progress of projects and goals
- Many Staff members want to perform
 - Identify your helpers leadership development







Data Building

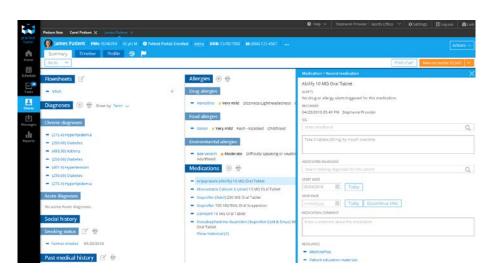
Once you identify your IT partner set up bi-weekly meetings to discuss the project

- Walk the IT person through the front end (data input) of the program – the back end of any program is a very different language
- Different programs have different barriers (Cerner, EPIC)

```
int mulX = 1, mulY = 1;

switch (type) {
    case Left:
        if (b.getSpeed().x() < 0) mulX = -1;
        break;
    case Bottom:
        if (b.getSpeed().y() > 0) mulY = -1;
        break;
    default: break;
}

if (mulX == -1 && mulY == -1) {
        b.cetSpeed().pulY == -1) {
```





Data Building (Continued)

- Meet with your staff to walk through the data
 - You don't know what you don't know
- Meet with your counterparts and colleagues
 - Every facility does things different even if you think they are...





Evaluating Data

You will feel great till you see the first set of numbers come back!

- Meet with your teams again
 - Discuss how the information is entered by caregivers
 - Discuss how IT built the data pull on the back end
 - Discuss how to pull it the way you need to see the info

What are your Ns? What does the literature support?

	Measure Population (All	Measure Population-#	Denominator Exclusions		ns	Numerator Ele		ments			1
Nutrition Care Plan for Patients (Age 65+ Years) Identified as Malnourished after a Completed	Patients 65+)	Sev/Mod Malnourished	Length of Stay <24 hrs	Discharge to Hospice	Left AMA	Denominator	# w/ Care Plan		Numerator	Performance Score	
Nutrition Assessment	368	26	0	0	0	26	21		21	80.77%	



Evaluating Data (Continued)

- It may take several submissions to get the information the way you need it
- Be prepared to explain the data to your leadership, staff, and colleagues

	Performance Period - June 2018													
	Completion of a Malnutrition Screening within 24 hours of Admission (Patients Age 18+ Years)													
	June)	July	,	Augu	st	Septem	ber	Octob	er	Novem	ber	Decem	ber
Facility	Performance Score 24 hours	120 Hours	Performance Score 24 hours	120 Hours	Performance Score 24 hours	120 Hours	Performance Score 24 hours	120 Hours	Performance Score 24 hours	120 Hours	Performance Score 24 hours	1120 Hours	Performance Score 24 hours	120 Hours
Dixie	74%	99%	67%	N/A										
LDS	82%	98%	90%	N/A										
McKay Dee	89%	97%	94%	N/A										
Utah Valley	97%	100%	98%	N/A										
IMC	74%	96%	73%	N/A										



Regular meetings will "HELP" keep you on track

- Be prepared for delays
 - Live events
 - Data discrepancies
 - Other projects take precedence
- Let senior leadership know what you are doing they will help
- You are never done so make sure to keep good relationships in the face of frustration



Where do you go with the information?

- Share with your teams and have them part of the decision of for your CI project
- Keep your staff engaged
 - CEUs supporting CI in the acute care setting
 - Allow others to assist you in the journey
- Continue to evaluate the data
- Continue to look for CI opportunities which align with the organization.





Always Move Forward!





MQii: NYP's eCQM Journey...





Louise Merriman, MS, RD, CDN

Administrative Director,

Clinical Nutrition

NewYork-Presbyterian

Hospital



Kristen Mathieson, MBA, RD, CDN

Project Lead,

Clinical Nutrition

NewYork-Presbyterian

Hospital

- Study Site Selection –
 Prevalence Monitoring
- PI Focus Nutrition Screening
- Outcomes and Ongoing Focus

NewYork-Presbyterian The University Hospital of Columbia and Cornell

7 Sites 2,600 Beds





Study Site Selection - Prevalence Monitoring

2017	АН	MSCH	CU/MHB	wc	LM	WD	Lawrence	Total
2017 Adjusted Discharges*:	8045	7866	31349	35728	6768	4401	n/a	94157
2017 Identified Volume:	963	1013	5206	3967	989	454	n/a	12592
2017 % Prevalence :	12.0%	12.9%	16.6%	11.1%	14.6%	10.3%	n/a	13.4%
Annual Volume Target:	1050	1123	4919	4003	947	547	n/a	12589
Variance to Target:	-87	-110	287	-36	42	-93	n/a	3
Change in prevalence from 2016:	1.4%	0.8%	1.2%	0.0%	0.9%	0.4%	n/a	0.7%
2018								
2018 Projected Adjusted Discharges*:	8151	8284	32275	36047	6909	4585	11615	107866
2018 % Prevalence Target :	12.0%	13.5%	17.0%	12.0%	14.5%	10.7%	10.0%	n/a
Annual Volume Target:	978	1118	5487	4326	1002	491	864	13401
Monthly Volume Target:	82	93	457	360	83	41	72	1117
	*w/o OB, NICU, Newborn	*w/o OB, NICU, Newborn	*w/o Rehab	*w/o OB, NICU, Newborn, Rehab	*w/o OB, NICU, Newborn		*w/o OB, NICU, Newborn	



MQii Outcomes

Quality Measure -	Baseline		
Completion of a Malnutrition Screening	Performance Score		
within 24 hours of Admission (Patients Age 18+ Years)	69.70%		
Completion of a Nutrition Assessment for	Performance Score	48 Hours	72 Hours
Patients (Age 65+ Years) identified as At- Risk for Malnutrition within 24 hours of a	43.90%	95.80%	100.00%
Malnutrition Screening			
	Performance Score		
Nutrition Care Plan for Patients (Age 65+ Years) identified as Malnourished after a Completed Nutrition Assessment	99.06%		
Appropriate Documentation of a	Performance Score		
Malnutrition Diagnosis for Patients (Age 65+ Years)	99.06%		



PI Focus - Nutrition Screening

- Patients > 65 years with BMI < 23
- Patients previously admitted and diagnosed with malnutrition (Tableau)



MQii Outcomes

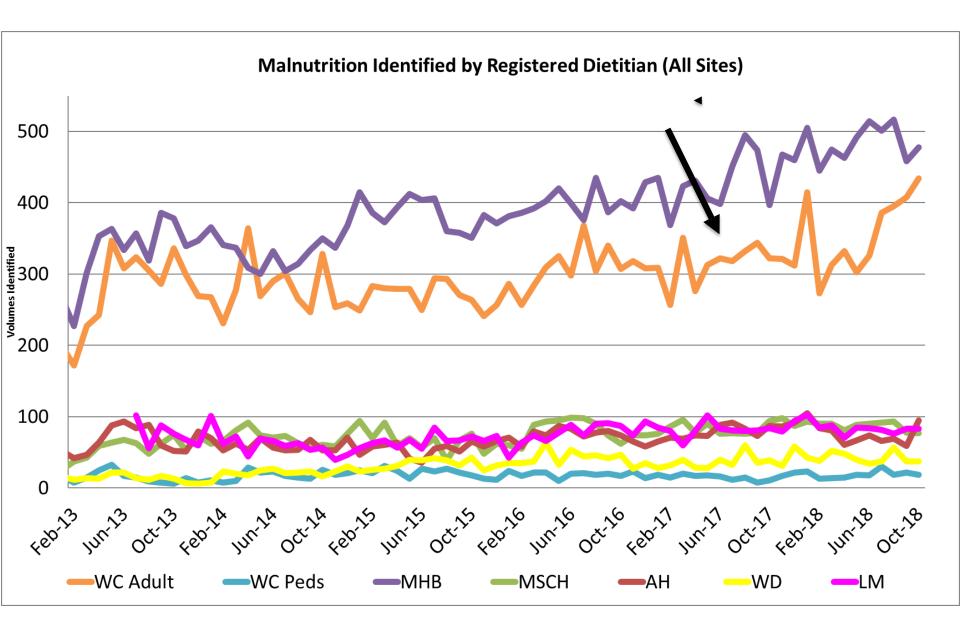
Quality Measure -	Baseline	Implementation		
Completion of a Malnutrition Screening	Performance Score	Performance Score		
within 24 hours of Admission (Patients Age 18+ Years)	69.70%	59.50%		
Completion of a Nutrition Assessment for	Performance Score	Performance Score	48 Hours	72 Hours
Patients (Age 65+ Years) identified as At- Risk for Malnutrition within 24 hours of a	43.90%	44.80%	96.00%	100.00%
Malnutrition Screening				
Nestrition Comp Plan for Postions (Associate	Performance Score	Performance Score		
Nutrition Care Plan for Patients (Age 65+ Years) identified as Malnourished after a Completed Nutrition Assessment	99.06%	98.08%		
Appropriate Documentation of a	Performance Score	Performance Score		
Malnutrition Diagnosis for Patients (Age 65+ Years)	99.06%	98.08%		



MQii Outcomes

Quality Measure -	Baseline	Implementation	Post-Implementation		
Completion of a Malnutrition Screening	Performance Score	Performance Score	Performance Score		
within 24 hours of Admission (Patients Age 18+ Years)	69.70%	59.50%	64.63%		
Completion of a Nutrition Assessment for	Performance Score	Performance Score	Performance Score	48 Hours	72 Hours
Patients (Age 65+ Years) identified as At- Risk for Malnutrition within 24 hours of a	43.90%	43.90% 44.80%		92.65%	100.00%
Malnutrition Screening					
Notice Con Planta to Annual	Performance Score	Performance Score	Performance Score)	
Nutrition Care Plan for Patients (Age 65+					
Years) identified as Malnourished after a Completed Nutrition Assessment	99.06%	98.08%	100%		
Years) identified as Malnourished after a	99.06% Performance Score	98.08% Performance Score	100% Performance Score		







Global Leadership Initiative on Malnutrition (GLIM)

Phenotypic (findings) criteria – at least 1					
1. Weight loss %	5% in ≤6 months, or				
(unintended)	10% in >6 months				
2. Low BMI	<20 kg/m 2 if <70 years, or				
	<22 kg/m² if≥70 years				
3. Reduced	Reduced according to				
muscle mass	objective measures				
	and/or physical exam				

Etiologic (cause) criteria – at least 1			
1. Reduced	< 50% of requirement > 1 week, or any		
nutritional	reduction > 2 weeks, or chronic GI		
intake	disorders with adverse nutrition impact		
2. Inflammation	Chronic disease, or acute disease/injury		
	with severe systemic inflammation, or		
	socioeconomic/environmental starvation		

Moderate (Stage 1)		Severe (Stage 2)		
1. Weight loss %	5%-10% in ≤6 months, or	1. Weight loss %	> 10% in ≤6 months, or	
(unintended)	10%-20% in >6 months	(unintended)	> 20% in >6 months	
2. Low BMI	<20 kg/m² if <70 years, or	2. Low BMI	<18.5 kg/m² if <70 years, or	
	<22 kg/m² if ≥70 years		<20 kg/m² if ≥70 years	
3. Reduced muscle mass	Mild-to-moderate deficit	3. Reduced muscle mass	Severe deficit (per	
	(per validated assessment		validated assessment	
	methods)		methods)	

- The GLIM approach includes a set of readily available criteria that can be used in combination with existing diagnostic approaches, including the Academy/ASPEN mainutrition consensus characteristics.
- The GLIM approach does not replace the Academy/ASPEN methodology at this time but may be used in conjunction with it.



2019 Goals

Collaboration, collaboration, collaboration...

- Nursing Screening and Efficiencies
- House Staff and Medical Student Training with Documentation Improvement
- Roll-Out of PI Initiatives with Information Technology
- EPIC Design with Information Technology
- Ongoing development of Audit/Appeals Process/Monitoring with Coding, Finance and Corporate Compliance





ThedaCare Nutrition Risk Screen in Identification of Patients with Malnutrition





Lori Hartz MS, RDN, CD Manager of Nutrition and Diabetes Education at ThedaCare



Cheryl Shockey MS, RDN, CD Lead Clinical Dietitian at ThedaCare

Screen Versus Assessment – Our Journey

 Screen: a process <u>identifying</u> a patient at <u>risk</u> for malnutrition- ideally simple, reliable, and reproducible

Assessment: <u>complex process</u> requiring a skilled clinician to obtain information to make diagnosis and intervention





2013 Publication

FOR AND/ASPEN CONSENSUS ON MALNUTRITION CHARACTERISTICS: APPLICATION AND PRACTICE

- Objective data/criteria to diagnosis malnutrition
- Required training and competency on NFPE. Angelica Gronke RD developed training/competency.



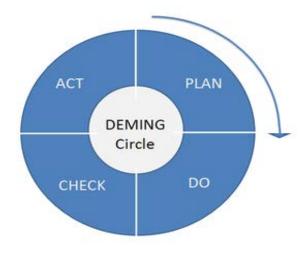
Improvement Processes

- LEAN Methodology PDSA
- Most of the defects occurred in the <u>Nursing</u> Nutrition Risk Screen due to inappropriate questions in the screen.
- RDs had developed a secondary informal screen reviewing the patient admit dx, BMI, level of care (intubated, on NS etc.)



Screening Processes

- PDSA Team worked on refining the NRS (Nursing Nutrition Risk Screen) to be 3 vs 9 questions – completed w/i 8 hours of admit
- Cheryl Shockey RD worked on refining and defining the RD screen that is completed w/i 24 hours of admission
- All info found in the EMR





ThedaCare Nutrition Risk Screen

PART 1: NURSING NUTRITION RISK SCREEN – COMPLETED W/I 8 HOURS OF ADMISSION

- Unplanned weight loss >7 pounds within the last 30 days?
- Eaten <50% of normal intake for >5 days?
- Received enteral or parenteral nutrition within the last 30 days?
- If 'yes' considered high risk and assessed by RD w/i 24 hours





Part 2: Dietitian Nutrition Risk Screen

HIGH RISK – RDN ASSESSES PATIENT W/I 24 HOURS

A. Does the patient have any of the following:

- Vented due to respiratory failure
- FTT/Malnutrition/Cachexia
- PEG or J-Tube Placement
- Short Bowel Syndrome or Malabsorption
- Order for TPN, Tube Feed or Calorie Count
- Nutrition Consult





Part 2: Dietitian Nutrition Risk Screen (Continued)

B. Does the patient have any of the following? If **yes**, High Risk. RDN assessment within 24-48 hours of admission:

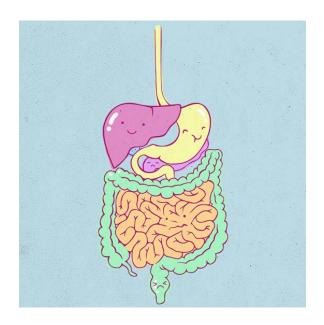
- Major GI surgery (Whipple, Gastrectomy, Esophagogastrectomy, Ileostomy, Roux-En-Y etc)
- Liver Disease
- Kidney Failure with Renal Replacement Therapy
- Dysphagia
- Non-healing wound (flaps/debridement) or Stage II-IV Wounds
- Hip Fracture
- CVA with NPO Diet Order
- Pureed and/or Thickened Liquid Diet Order
- Protein/Calorie Supplement Ordered
- Medical Oncology Admission, which included admission due to cancer diagnosis, cancer-related symptoms, chemotherapy or radiation. Surgical Oncology was not included
- Renal Diet or Low-Protein or High Protein Diet Orders
- BMI<18.5



Part 2: Dietitian Nutrition Risk Screen (Continued)

C. Does the patient have any of the following? If **yes**, Moderate Risk. RDN assessment w/i 48-72 hours of admission:

- Small Bowel Obstruction
- Pancreatitis
- Diabetic Ketoacidosis
- Amputation
- Inflammatory Bowel Disease
- Celiac Disease
- Dementia/Altered Mental Status



If All No, patient is 'Low Risk'. RDN delegates to NDTR to rescreen in 5-7 days



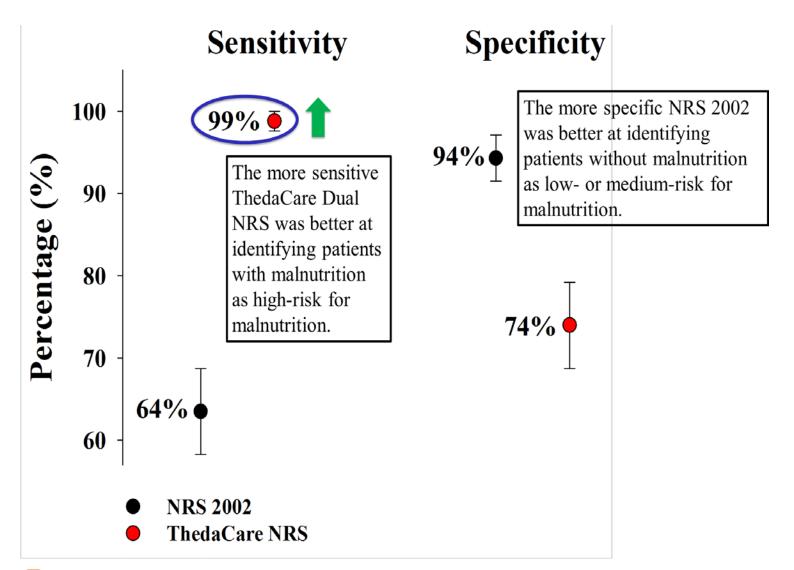
Clinical Trial Comparing the ThedaCare NRS and the NRS 2002

- Clinical Trail NCT 02585245
- Appleton and Neenah Regional Hospitals all non ICU patients
- 594 Patients aged 63 <u>+</u> 16 years





Results: Compare the ThedaCare NRS to NRS 2002:





Malnutrition Diagnosis ¹	Negative	Positive	P
M/F, n	189/221	87/97	0.79^{\dagger}
M/F, %	46/54	47/53	•
Age, years ²	61 ± 15	66 ± 15	0.0005^{\ddagger}
LOS, days ²	3.5 ± 4.0	4.8 ± 3.8	<0.0001 [‡]
30-d Hospital	25/385	26/158	0.00224
Readmission Ratio	(6%)	(14%)	0.0023†

ThedaCare NRS **NRS 2002**

 17 ± 1 seconds P

 $9 \pm 1 \text{ minutes}$ < 0.0001



Current Work

- Increase % of patient the RDN diagnosis with malnutrition and provider diagnosis
- Identify patient with malnutrition outside of the hospitals
- Collaboration on discharge planning to decrease readmission





Questions?



10 mins

