

Improving Health Equity Through Quality: the Global Malnutrition Composite Score

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Disclosures

- Anne Coltman, MSHA, MS, RDN, LDN, FAND, FACHE
 - Employer: Commission on Dietetic Registration
 - No additional disclosures to report
- Tamaire Ojeda Avila, MHSA, RDN, LD
 - Employer: Commission on Dietetic Registration
 - No additional disclosures to report



Learning Objectives

- Describe the Global Malnutrition Composite Score (GMCS) and its application for quality improvement.
- 2. Assess the value of the GMCS selection as an eCQM and discuss barriers and opportunities to implementation.
- 3. Explain the impact health equity has in nutrition and dietetics practice and how the GMCS can support a hospital in addressing health equity.



What is the Global Malnutrition Composite Score?



What is the Global Malnutrition Composite Score?



Focuses on identifying, diagnosing, & treating malnutrition in acute

care



First nutrition-related electronic Clinical Quality Measure



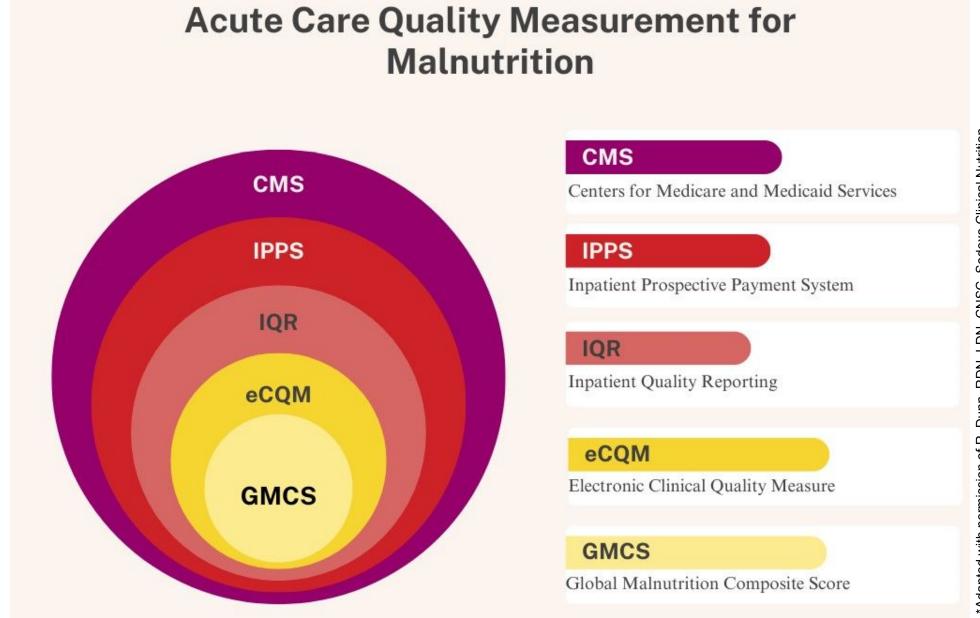
Highlights & emphasizes the importance of interdisciplinary care



Composite Score made of 4 measure observations

Standard Approach, Tailored Care

- Standard approach to care
 - Reduces inter-professional and inter-organization variation in practice
 - Nutrition professional DETERMINES which nutrition problem needs to be addressed
 - Competency assessment
 - Higher probability of positive outcomes
 - Promotes critical thinking to treat current and prevent nutrition problems
- High quality nutrition care and communication



*Adapted with permission of R. Dunn, RDN, LDN, CNSC, Sodexo Clinical Nutrition Manager. Taken from May 4, 2023 Sodexo Presentation Titled Implementing Quality Improvement Projects Targeting Malnutrition.

Eligible Hospitals and Critical Access Hospitals Must Report 6 eCQMs

Reporting Period CY24 / Submission Period CY25 / Payment Year FY 26

Source: CMS QualityNet. IQR Measures. Available here.

CY: Calendar Year

IQR: Inpatient Quality Reporting

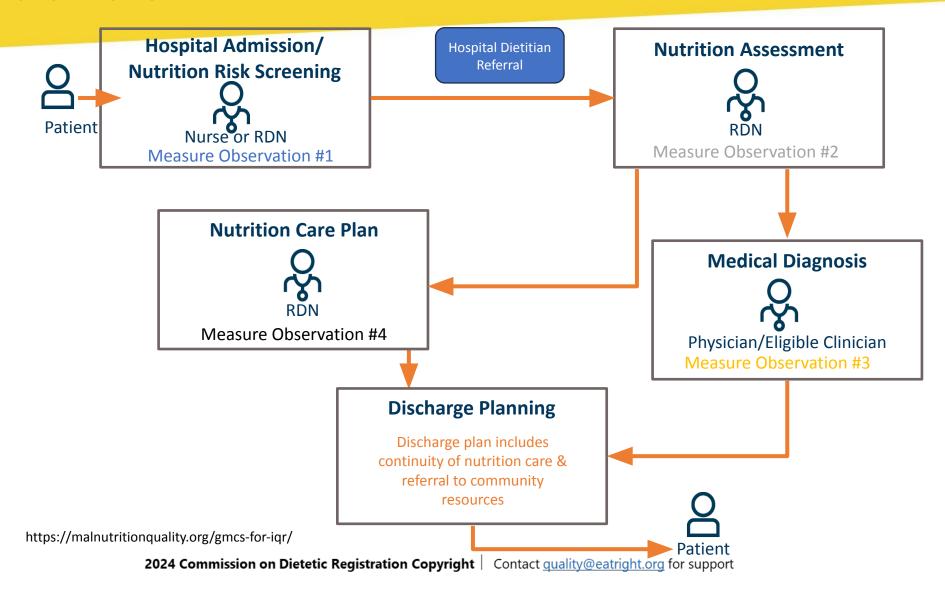
eCQM: Electronic Clinical Quality Measure ED: Emergency Department; PC: Perinatal Care

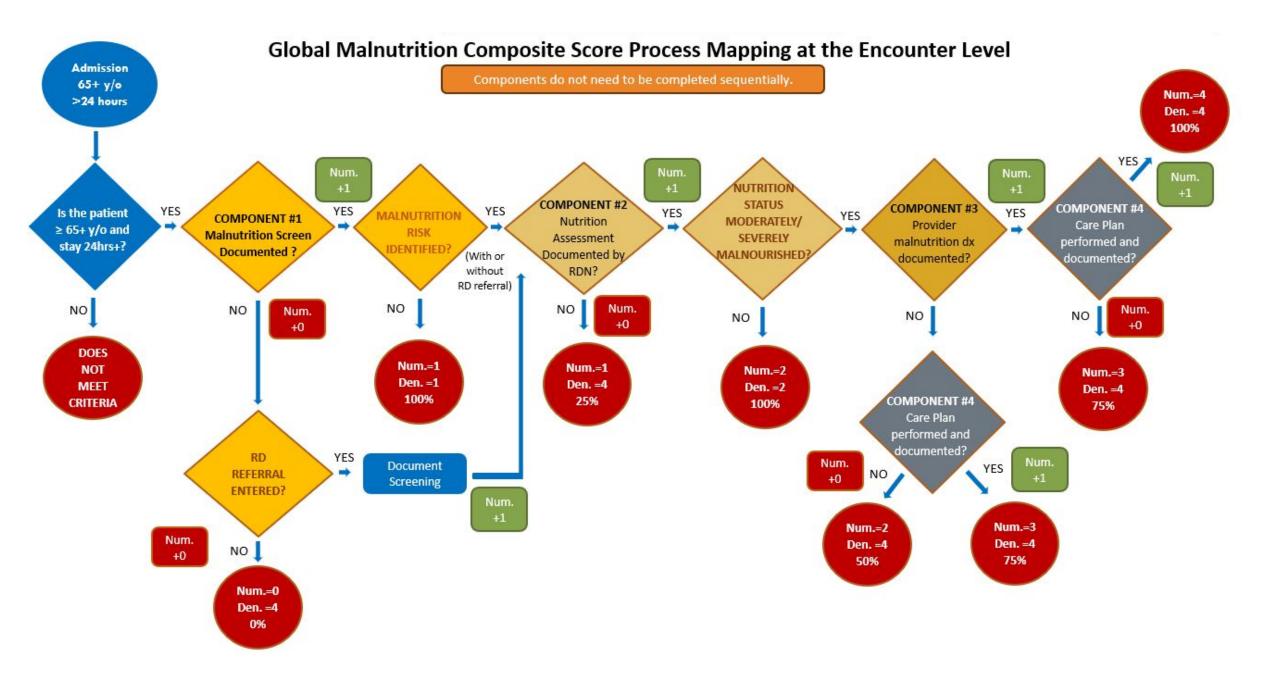
Optional eCQMs:

Measure Name
Global Malnutrition Composite Score
Discharge on Antithrombotic Therapy
Antithrombotic Therapy for Atrial Fibrillation/Flutter
Antithrombotic Therapy by the End of Hospital Day 2
Venous Thromboembolism Prophylaxis
Intensive Care Unit Venous Thromboembolism Prophylaxis
Hospital Harm—Severe Hypoglycemia
Hospital Harm—Severe Hyperglycemia
Hospital Harm—Opioid-Related Adverse Events
Safe Use of Opioids*
Cesarean Birth*
Severe Obstetric Complications*

^{*}Mandatory eCQMs

GMCS: Clinical Workflow to Address Malnutrition





How is the Score Calculated:

Calculations #1-4: Component Scores

Respective component scores: 1=documented/completed, 0= not documented/completed

Calculation #5: Total Malnutrition Components Score

Component 1 (0 or 1) + Component 2 (0 or 1) + Component 3 (0 or 1) + Component 4 (0 or 1)

Calculation #6: Total Malnutrition Composite Score as Percentage

(Calculation #5 ÷ Total Malnutrition Components Score Eligible Denominator) x 100

Finally: Aggregate Total Malnutrition Composite Score as Percentage

Σ Calculation #6 or Total Malnutrition Composite Score as Percentage Eligible Hospitalizations in the Measure Population

GMCS Eligible Denominator

Nutrition Risk Screening Result is Not At Risk Nutrition Assessment Result is No or Mildly Malnourishe d All Other
Options
Including No
Risk Screening
or No Nutrition
Assessment
Completed

- Denominator =1
- Denominator = 2
- Denominator = 4

GMCS Calculation Examples

*Y=1, N=0

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Scenario Description	MO #1 Screeni ng Doc.?*	At Risk Resul t?	Hospita l Dietitia n Referral ?	MO #2 Assess ment Doc.?	Moderate or Severe Malnutritio n Identified?	MO #3 MD/Eligibl e Provider Dx Doc.? *	MO #4 Nutrition Care Plan Doc.?*	Total Compone nts Score	Eligible Denom	Composi te Score
Screened, Not at Risk, No Referral, With or Without Assessment, Diagnosis, and/or Nutrition Care Plan	1	N	N	N/A	N/A	N/A	N/A	1	1	100%
Screened, Not at Risk, Referral, Not Assessed, No Diagnosis, No Nutrition Care Plan	1	N	Υ	0	N/A	0	0	1	4	25%
Screened, At Risk, With or Without Referral, Not Assessed, With or Without Diagnosis and/or Nutrition Care Plan	1	Υ	Y/N	0	N/A	0	0	1	4	25%
Screened, Not at Risk, Referral, Assessed, Moderately/Severely Malnourished, No Diagnosis, Nutrition Care Plan	1	N	Υ	1	Υ	0	1	3	4	75%
Screened, At Risk, With or Without Referral, Not assessed, With or Without Diagnosis and/or Nutrition Care Plan	1	Y	Y/N	0	N/A	0	0	1	4	25%
Screened, At Risk, With or Without Referral, Assessed, Moderately/Severely Malnourished, With or Without Diagnosis and/or Nutrition Care Plan	1	Υ	Y/N	1	Υ	0	0	2	4	50%
Screened, At Risk, With or Without Referral, No Assessment or Nutrition Care Plan, With Diagnosis	1	Υ	Y/N	0	N/A	1	0	1	4	25%

GMCS Aggregate Performance for a Measurement Period Example

GMCS Aggregate Hospital Performance

= Episode GMCS Performance ÷ # of Eligible Episodes

$$(100\% + 25\% + 25\% + 75\% + 25\% + 50\% + 25\%) \div 7$$
 hospitalization = 325 $\div 7 = 46.4\%$

Interpretation: 46.4% of all clinically eligible components (measure observations) were documented for the measure population (hospitalizations ≥ 24 hours for patients ≥ 65 years)

The Goal is to be closer to 100%.

Why do you need to understand the score?

- Ensures the ability to interpret GMCS scores
- Yields insight into specific component gaps
- Leads to actionable objectives for quality improvement projects
- Drives improvement in the quality of care provided
- Sheds light on the partners needed to improve care
- Makes the case for stratification of data that require further investigation



Key Reasons to Report on the GMCS

- Addresses several clinical areas or quality indicators simultaneously
 - Nutrition Screening The Joint Commission
 - Social Determinants of Health and Food Insecurity The Joint Commission, CMS, 2023 HEDIS Social Need Screening and Intervention Measure
 - Health Equity Advancement identified by CMS as a priority eCQM
 - Rural Health Improvement- identified by NQF as a key measure
- Combines several quality measures into one single composite score, giving a more comprehensive picture of clinical care than a single measure
- Providing care measured through the GMCS aligns with hospitals' strategic plans to address social determinants of health and equity



Building Value-Based Care &

*HEDIS: Healthcare Effectiveness Data and Information Set National Quality Forum. 2022 Key Rural Measures: An Updated List of Measures to Advance Rural Health Priorities. August 2022. Available here.

Additional Support for GMCS

- Addressing malnutrition potentially reduces disease incidence, acuity, and duration; improves quality of life and clinical outcomes; and reduces costs of care
- May help improve hospital performance on mandatory quality measures, mortality, readmission, total cost of care
- Malnutrition diagnosis can help increase the weight of the Diagnosis Related Group when billing
- Reporting on the GMCS promotes interoperability across all departments within the hospital and aligns with nation-wide interoperability standards

Quality Improvement for Nutrition & Dietetics Practitioners



What is Quality Improvement?

- Quality: degree to which health services for individuals and populations increase the likelihood of desired health outcomes and are consistent with current professional knowledge (National Academy of Medicine)
- Quality Improvement: systematic and continuous actions that lead to measurable improvement
 - Standardize processes and structure to reduce variation, achieve predictable results, and improve outcomes (CMS)
- Quality measurement is used for benchmarking
 - Identify best practices in care, identify research and practice opportunities, and improve future practices
 - Used to accurately track quality improvement progress

Why Quality Improvement?

- Reduces costs and waste
- Improves delivery of services and outcomes
- Allows for better organizational strategic planning
- Aligns departmental goals and objectives with an organization's mission & vision
- Creates accountability for actions
- Fosters positive interprofessional team relationships
- Recognizes excellence

Important To Keep In Mind



QI can be done at any time



Secure support from leadership at all levels and departments involved



Align QI with the institution and the department's mission, vision, and goals



Make sure to collect data that speaks to the QI problem



No degree or certification is required to perform QI



Quality Management is a continuous and ongoing process that includes quality planning, quality assurance, quality control, and continuous improvement

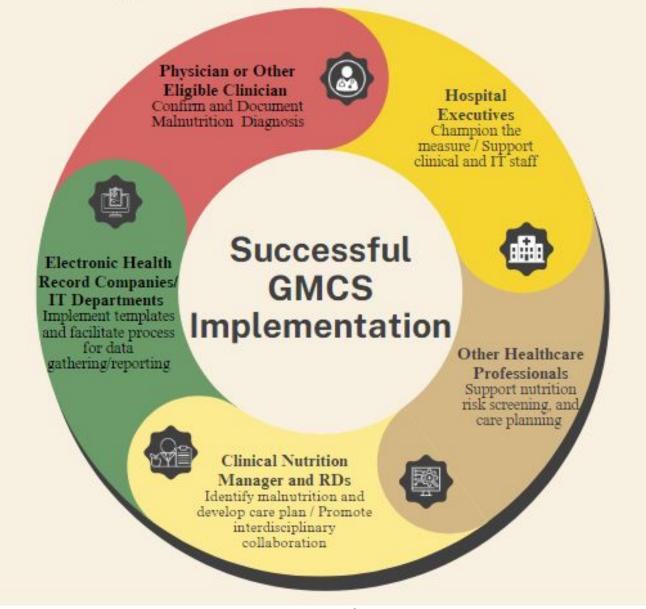
Resources To Get Started

- Careers in Quality
- Quality Resource Collection
- Quality-Focused Practice Tips
- Quickinars
- Quality Improvement (QI) 101 Education Package

Improving Quality of Care with the Global Malnutrition Composite Score



Interacting at All Levels for GMCS Success



Identify Your Team: Champions & Stakeholder

Area	Champion	Project Team
Executive		
IT / EHR		
Quality		
Nursing		
Physician		
Clinical Nutrition		

Building Your Team - Project Champion

- Once possible team members are identified, build your internal support team
 - At least a representative from IT/EHR, Quality, Nursing, Physician Team, RDs
- Make sure you keep the Hospital Executive Champion informed
- Champion's role:
 - With their area teams, identify barriers and ways to address them
 - Communication between their areas and the support team
- If your barriers are people-related, find out what is the best way they will respond to you: letter, email, class, printed research paper, presentation, elevator pitch

With the Project Team

- 1. Do a SWOT Analysis
- 2. Identify:
 - Current state/process
 - Goal state/process
 - Barriers
 - Root cause analysis
 - Solutions
- Test the solutions and ensure they get you closer to or at the goal
 - PDSA Cycle



What are your Strengths, Weaknesses, Opportunities, and Threats

- Do you have processes in place for each of the GMCS components?
 - How many admitted patients are getting screened for nutrition status?
 - How do RDs get alerted when a patient screens at risk of malnutrition?
 - How do you communicate the nutrition diagnosis (PES) to the physician team?
 - What resources are available for transition of care?
- Do you have a template with structured nutrition terminology for the nutrition care process steps?
- Do you understand how GMCS is calculated and its meaning?

Consider all
Department and
Areas affected

Analyze the Current State and Define the Goal State

- Ensure you have a clear process start and end
- Identify the actual step-by-step process of:
 - Malnutrition risk screening
 - Nutrition assessment
 - Nutrition diagnosis
 - Physician diagnosis addition to the problem list
 - Where each note is housed in the EHR
- This is where wasteful steps, workarounds, and barriers are identified
- If your barriers are people-related, determine the most effective communication method

Make Sure IT Understand the GMCS and How It Fits as an eCQM

- Explain the basics of what the GMCs, the components, and why it is important to address malnutrition in the hospital
- Evaluate the EHRs capabilities, does it support eCQM reporting?
- Share the data elements needed for reporting
- What structured data fields are needed?
- Can they map the data elements?
- Modify the current note templates as needed
- Can the EHR system be configured to generate eCQM reports?

Things to Consider When Working With Your EHR Team

Ensure the EHR system supports eCQMs

Consider reaching out to EHR company for information/support

Develop a list of items needed and discuss ways to address the barriers

Determine data source availability

Develop/implement templates that support eCQM data collection

Work with EHR/IT Team to develop an action plan for items they need to complete

Consider training needs for all users of the EHR system

Enablers and Barriers

Enablers

- Leadership makes a difference
- Inclusion of NCP in dietetics education programs
- Audit reviews raise awareness on areas that need strengthening and raise confidence in abilities with clear expectations
- Easy data entry in EHRs

Barriers

- Misunderstanding that the process, NOT care, is standardized
- NCP PES statement is lengthy
- NCP and terminology requires ADIME documentation format

(Assessment, Diagnosis, Intervention, Monitoring and Evaluation)

Health Equity



What is Health Equity?

- State in which everyone has a fair and just opportunity to attain their highest level of health¹
- Requires ongoing efforts to¹:
 - Address historical and contemporary injustices;
 - Overcome economic, social, and other obstacles to health and health care; and
 - Eliminate preventable health disparities
- Nutritional care was raised to the level of a human right, in close relationship to two well-recognized fundamental rights: the right to food and the right to health²
 - 1. What is Health Equity? (2022, July 1). Retrieved July 27, 2023, from Centers for Disease Control and Prevention: https://www.cdc.gov/healthequity/whatis/index.html
 - 2. Cardenas, D., Davisson Correia, M., Hardy, G., Ochoa, J., Barrocas, A., Hankard, R., . . . Barazzoni, R. (2022). Nutritional Care is a human right: translating principles to clinical practice. *Nutr Clin Pract*(37), 743-751. doi:10.1002/ncp.10864

Risk Factors for Malnutrition

Physical

- Chronic diseases
- Polypharmacy
- Poor functional status

Mental Health

- Overly restrictive diets
- Altered mental status
- Dementia
- Depression

Social

- Social isolation
- Limited social support
- Lack of transportation to purchase foods
- Food desserts
- Financial limitations

Social Determinants of Health

- Social determinants of health affect health, wellness, and quality of life.
- Social determinants of health include:
 - Access to nutritious foods
 - Access to appropriate health care
 - Access to quality education
 - Access to health education (improving health literacy
 - Economic stability throughout the lifecycle
 - Language barriers
 - Literacy level

Buelsing Sowards, D., McCauley, S., & Munoz, N. (2022). Impacting Malnutrition, Food Insecurity, and Health Equity: An Overview of Academy of Nutrition and Dietetics Priorities and Future Opportunities. *J Acad Nutr Diet,* 122(10), S7-S11. doi:10.1016/j.jand.2022.06.018

Social Determinants of Health





Social Determinants of Health - Healthy People 2030 | health.gov

Food Insecurity

- Uncertain, limited, or unstable access to food that is adequate in quantity and in nutritional quality; culturally acceptable; safe and acquired in socially acceptable ways¹
- Measured at two levels of severity²:
 - In households with low food security: the hardships experienced are primarily reductions in dietary quality and variety.
 - In households with very low food security: the hardships experienced are reduced food intake and skipped meals.
 - 1. The Gravity Project.. Gravity Presentation Interoperability Standards Priorities Task Force April 8, 2021 Meeting (healthit.gov).
 - 2. The Association of State Public Health Nutritionists. (2023, July 26). *Food and Nutrition Security Terms and Definitions*. Retrieved from ASPHN: https://asphn.org/food-and-nutrition-security-primer-terms/

Malnutrition, Food Insecurity & Health Equity

- Protein-energy malnutrition (PEM) is unique compared with many other medical and nutritional problems, due to not only having a deeply complex physiological cause, but also a multifactorial environmental, economic and psychosocial origin¹
- To promote health equity in the malnourished patient, find the root cause of the problem
 - Understand how SDOH affect positively or negatively a person's nutrition security, and how both nutrition security and SDOH affect health equity
 - Understand that at times, malnutrition can have roots not related to food insecurity and those need to be addressed as well
 - 1. Marshall, S. (2018). Why is the skeleton still in the hospital closet? A look at the complex aetiology of protein-energy malnutrition and its implications for the nutrition care team. *J Nutr Health Aging, 22*(1), 26-29.

National Quality Strategy

CMS National Quality Strategy Goals



Engagement

Engage individuals and communities to become partners in their care



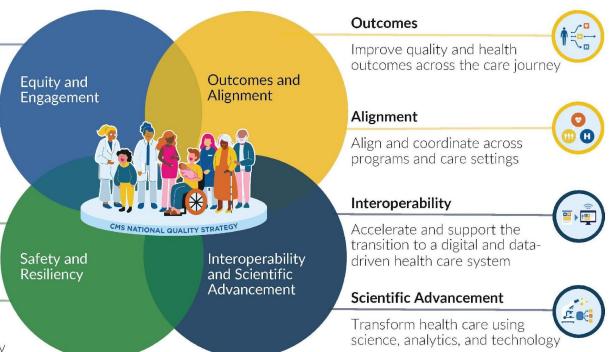
Safety

Achieve zero preventable harm



Resiliency

Enable a responsive and resilient health care system to improve quality



The NQS has three aims:

- Better Care—improve quality by making health care patient centered, reliable, accessible, and safe
- Better Health—improve health by supporting proven interventions to address behavioral, social, and environmental determinants of health
- Lower Costs—reduce cost of quality health care for individuals, families,

employers, and government

A Comprehensive Systems Approach to Achieving **Nutrition Security and Health Equity**



POLICY - national, state, local laws and regulations

Accelerating nutrition equity - translate dietary guidelines and eating patterns, medical nutrition therapy, policy champions

COMMUNITY - relationships between communities

Accelerating nutrition equity - grassroots efforts, e.g., food banks/pantries, community gardens, mobile food trucks, nutrition education k-12

ORGANIZATIONAL - organizations, social institutions

Accelerating nutrition equity - Academy Diversity & Inclusion Committee, food industry marketing, research, education

INTERPERSONAL - families, friends, social networks

Accelerating nutrition equity - healthy food access and the built environment

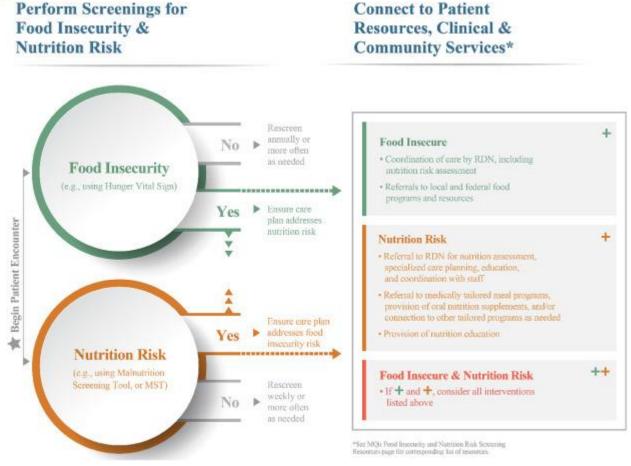
INDIVIDUAL - knowledge, attitudes, skills

Accelerating nutrition equity - professional cultural humility

Used with permission from the Academy of Nutrition and Dietetics (Brown, Buelsing Sowards, Pittman, Leger, & DeSipio Manns, 2023).

Brown, P., Buelsing Sowards, D., Pittman, M., Leger, †. G., & DeSipio Manns, S. (2023). The Global Malnutrition Composite Score Quality Measure-Seize this Opportunity to Benefit Older Adult Care and Health Equity! OBM Geriatrics, 7(2). doi:10.21926/obm.geriatr.2302237

Food Insecurity & Malnutrition Risk Screening Workflow



Wahid, N., Badaracco, C., Valladares, A., Depriest, A., Collins, A., & Mitchell, K. (2022). The Role of Inpatient Malnutrition Care to Address Health Disparities among Older Adults. *J Acad Nutr Diet, 122*(10), S28-S33.

SDOH Screening

- Coming to many health systems are Social Determinants of Health (SDOH) is screening for food insecurity
- Validated tools for malnutrition do not include SDOH
- Do complete nutrition assessments include SDOH, for example, data on food insecurity?
- How will or should care be provided to meet the immediate and long-term need?



Hunger Vital Sign™

A validated tool to screen for food insecurity

Within the past 12 months, we worried whether our food would run out before we got money to buy more.

- Often true
- Sometimes true
- Never true

Within the past 12 months, the food we bought just didn't last and we didn't have money to get more.

- Often true
- Sometimes true
- Never true

A patient or family **screens positive** for food insecurity if the response is "often true" or "sometimes true" to either or both of these statements.



Learn more about screening for and addressing food insecurity in health care settings at FRAC.org



Addressing Malnutrition To Address Health Inequities

- Malnutrition affects 20–50% of patients who are at risk of becoming or are malnourished¹
 - Only 8% of non-neonatal and non-maternal adult hospitalizations were coded for malnutrition²
- Addressing malnutrition through the implementation of quality measures that include a nutrition care plan provided by an RDN can help reduce disparities in accessing healthy food and health care³
- A hospital is the one place with all the possible resources or community contacts to support a patient with the diagnosis of malnutrition
 - 1. Barker LA, G. B. (2011). Hospital malnutrition: Prevalence, identification, and impact on patients and the healthcare system. Int J Environ Res Public Health(8), 514-527.
 - 2. Barrett ML, B. M. (2018). *Non-maternal and Non-neonatal Inpatient Stays in the United States Involving Malnutrition, 2016*. U.S. Agency for Healthcare Research and Quality. Retrieved July 27, 2023, from https://hcup-us.ahrq.gov/reports/ataglance/HCUPMalnutritionHospReport 083018.pdf
 - 3. Avalere Health. (2022). Leveraging Inpatient Malnutrition Care to Address Health Disparities. Retrieved July 27, 2023, from https://avalere.com/insights/leveraging-inpatient-malnutrition-care-to-address-health-disparities

NCP Utilization to Address Health Equity

NCP is a quality improvement model

Entry into the NCP comes about through screening or referral

Nutrition Assessment: Cite health equity concerns

Nutrition Diagnoses: Uncover problems and their etiologies

Nutrition Intervention: Develop plan of care collaboratively with the client

Nutrition Monitoring and Evaluation: Determine what is or is not working



Food Insecurity and the Nutrition Care Process: Practical Applications for Dietetics Practitioners



OOD INSECURITY, DEFINED AS A household condition involving the "limited or uncertain availability of nutritionally adequate and safe foods or limited or uncertain ability to acquire acceptable foods in socially acceptable ways,"1 affects one out of eight US households2 and exists in every county across the nation.3 Nutrition and dietetics practitioners working in clinical as well as community settings will likely encounter clients affected by food insecurity during their career. The Nutrition Care Process (NCP) is a systematic problem-solving method to guide critical thinking and evidence-hased decision making for addressing nutrition-related problems experienced by individuals, groups, and communities, including food insecurity.4

This article was written by Marianna S. Wetherill PAD, MPH, RON-APAD. an assistant professor, and Kayle Costleberry White, MPH, a research assistant, University of Oklahoma College of Public Health, Tulsa; and Christine Rivera, RDN, community health and nutrition manager, Network Engagement, Feeding America ational Office Chicago, A.

Available online 4 December 2017

pair for this article is available for free to Academy members through the MyCDRGo app. (available for ICS and Android deviced and through seem had a title und lelick on "CPE" in the meny and then "Academy Journal CPE Articles"), Log in with your Academy of Nutrition and Dietetics or Commission on Dietetic Registration username and password, click "Journal Article Quiz" on the next page, then click the "Additional Journal CPE guipper button to view a list of available output. Non-members may take CPE quizzes by sending a request to it There is a fee of \$45 per quiz (includes quiz and copy of article) for non-member Journal CPE. CPE quizzes are easid for I year after the case data in which the articles are sublished.

Beginning with an overview of food insecurity, including its nutrition implications and screening options for atrisk populations, this article describes how nutrition and dietetics practitioners can use food insecurityinformed critical thinking skills during each step of the NCP. Two case examples of nutrition and dietetics practitioners implementing these considerations in their daily practice with individuals and communities are presented to illustrate these applications, followed by dietetics-oriented action items to support the delivery of food insecurity-informed nutrition care.

FOOD INSECURITY: NUTRITION-RELATED IMPLICATIONS AND SCREENING OPTIONS FOR AT-RISK POPULATIONS

Nutrition-Related Implications

Food security status operates on a spectrum to describe quality and quantity of household food supply, which is subsequently categorized as high, marginal, low, and very-low food security: the latter two conditions are dassified as food insecure (Figure 11.2) The health and nutrition-related consequences of food insecurity on household members are often cumulative as food insecurity severity increases. Household food insecurity is linked to many nutrition-related outcomes due to its effects on dietary quality and quantity," associations with mental and physical health," and influences disease self-management capabilities of affected members.7 These outcomes may contribute to disability. which can further reduce household resources due to health care costs and adult unemployment, leading to a viclous cycle of compromised food supply. A brief overview of select nutrition implications for adult and child household members influenced by household food insecurity is presented below.

Dietary patterns of adults experiencing household food insecurity reflect low consumption of fruits and vegetables, dairy products, iron, zinc, vitamin E. and vitamin B-6," with common serum deficiencies including iron, vitamin B-12, calcium, magnesium, vitamin A. vitamin C, carotenoids, and folate." These deficiencies can result in anemia, low bone density, and general poor health. Food insecurity is inconsistently associated with obesity among women, which may result from the metabolic consequences of cyclical food restriction and consumption of energy-dense foods as a strategy to lower food costs,11-13 Food insecurity may contribute to the development of metabolic syndrome and is associated with many chronic diseases.13 such as type 2 diabetes and hypertension.16 Household food insecurity can also compromise disease selfmanagement abilities, including glycemic control among diabetics."

Children and Adolescents

from deficiency disproportionately affects children living in food-insecure households, which can impair motor skill, language and cognitive development, socioemotional state, attentiveness, and school performance.11 Household food insecurity is associated with greater odds of child hospitalization and fair to poor health status." Children who live in households with very low food security at any point between birth and toddler years, especially if they are born at a low birth weight, have greater odds of obesity before kindergarten than their food-secure peers.20 Furthermore, repeated episodes of hunger in childhood may influence future chronic disease development.11 Similar to adult household members, teenagers may sometimes restrict or go without food to protect younger siblings.21 Without proper nutritional intake,

Revision of the nutrition assessment and nutrition diagnosis terminology around limited access to food

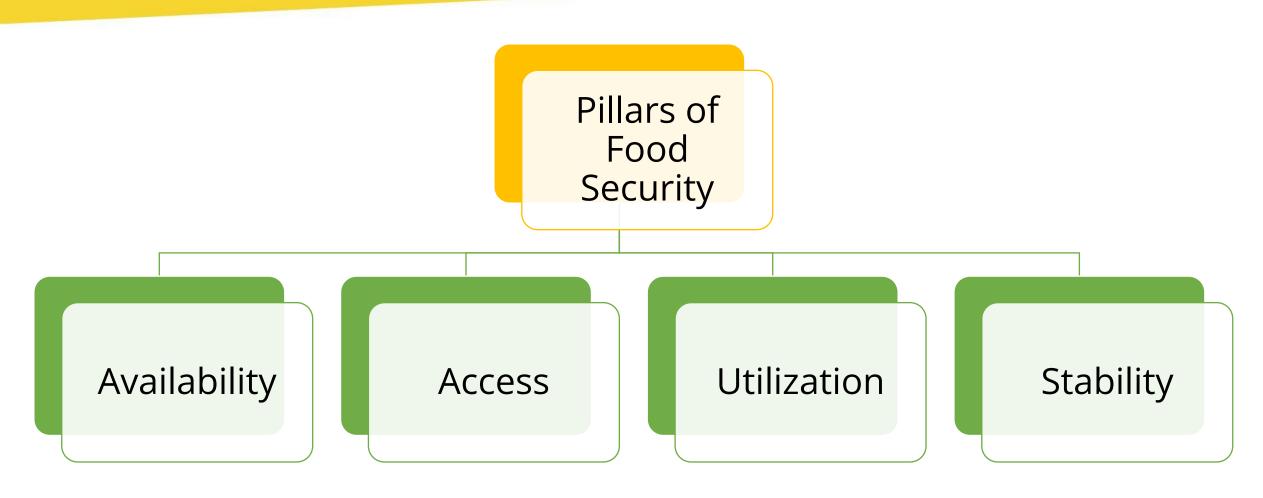
NCP and Food Insecurity

Reflects the spectrum of quality and quantity of household food supply

Adults: Risk for anemia, low bone density, and general poor health (eg, obesity, metabolic syndrome, hypertension, compromised (self-management

Children: Iron deficiency, higher risk of child hospitalization, obesity, and questions about future chronic disease development

Nutrition Diagnosis Etiologies of Food Insecurity



Nutrition Assessment of Health Equity

Communicating concepts around food insecurity

- Availability of shopping facilities
- Ability to procure safe food
- Access to food preparation equipment
- Availability of food refrigeration
- Ability to store food safely
- Ability to identify safe food



Nutrition Intervention Terms to Address Health Equity

Team meeting involving nutrition professional

Referral by nutrition professional to another nutrition professional with different expertise

Collaboration by nutrition professional with other providers

Referral by nutrition professional to other providers

Referral by nutrition professional to community agencies and programs



GMCS and Its Impact on Improving Health Equity

- GMCS addresses nutrition care as a human right by screening, diagnosing, and treating malnutrition; through offering evidence-based medical nutrition therapy, with support of an interdisciplinary team
- Identification and treatment of malnutrition is a key step towards health equity¹
- GMCS includes an individualized nutrition care plan tailored to address any social determinants of health
- GMCS is an interdisciplinary measure that includes all available professional resources in acute care settings

Malnutrition identification, diagnosis, and treatment is at the intersection of health equity and poor health care quality

^{1.} Tappenden, K., Quatrara, B., Parkhurst, M., Malone, A., Fanjiang, G., & Ziegler, T. (2013). Critical Role of Nutrition in Improving Quality of Care: An Interdisciplinary Call to Action to Address Adult Hospital Malnutrition. J Acad Nutr Diet(113), 1219-1237. doi:10.1016/j.jand.2013.05.015

^{2.} Cardenas, D., et al. (2022). Nutritional Care is a human right: translating principles to clinical practice. Nutr Clin Pract(37), 743-751

Resources:

Commission on Dietetic Registration - Global Malnutrition Composite Score webpagewww.cdrnet.org/GMCS

 GMCS FAQs and Measure Specifications Manual, implementation tools, past presentations and additional information

Commission on Dietetic Registration – Quality Improvement – www.cdrnet.org/quality

45 Practice Tips-Getting Started with Quality Improvement Revised Dec 2022 .pdf (cdrnet.org)

Academy of Nutrition and Dietetics

• <u>Journal of the Academy of Nutrition and Dietetics Oct 2023 Supplement</u> - Measuring malnutrition and food insecurity to facilitate quality care and health equity

CMS

- Global Malnutrition Composite Score measure <u>information</u> and <u>specifications</u>
- Composite quality measures information from <u>AHRQ</u> and <u>CMS</u>

MQii - GMCS for IQR webpage- https://malnutritionquality.org/gmcs-for-iqr/

Business Case for GMCS

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Questions?



Thank You!

Questions or Comments can be sent to: Quality@eatright.org