

# **IMPACT Case Study**

All-Condition Risk-Adjusted Potentially Preventable Hospital Readmissions

| Measure Domain | All-Condition Risk-Adjusted Potentially Preventable Hospital Readmissions Rates NQF Number: 1789   |
|----------------|--|
| Case Study     | <ul> <li>Patient Presentation:</li> <li>ST is a 72-year-old Caucasian male who is being admitted into an acute care hospital with a diagnosis of exacerbation of congestive heart failure (CHF). This is his second admission in 30 days for the same diagnosis. ST has been receiving Home Health Care services since his last admit. His wife passed away 6 months prior, and he has been living at home alone since that time. He reports a good appetite but does not know how to cook. Family and friends bring him food and he has been buying frozen meals and canned soup. ST denies any change in fluid intake. He reports his Home Health Nurse was attempting to set up Meals on Wheels for healthier food choices. ST can shop for food but does not know what to buy and expresses concern about meal preparation beyond heating food in microwave. ST does not recall talking with a Registered Dietitian Nutritionist (RDN) at his first admission.</li> <li>Other diagnoses include coronary artery disease (CAD) and depression (diagnosed after wife passed away but no medications ordered).</li> <li>Medications include metoprolol (Lopressor) and furosemide (Lasix).</li> <li>ST's nutrition-focused physical examination reveals 3+ pitting edema of bilateral lower extremities. ST's height is measured at 72″/182.9 cm and current weight is measured at 275 pounds/125 kg. ST reports a 20-pound weight gain over the past 6 months, and a 10-pound weight gain since last admission 3 weeks prior. His usual body weight (UBW) is around 250 pounds. ST is on a 2-gram sodium diet and is consuming 100% of the meals served but is expressing his displeasure in the lack of seasoning of the food in the hospital.</li> <li>Biochemical data includes: Potassium = 3.8 mmol/L Na = 142 mEq/L BUN = 20 mg/dL Creat = 1.2 mg/dL B-type Natriuretic Peptide (BNP) = 850 pg/ml</li> </ul> |

**Revised September 2023** 

Page 1 of 6

| <br>   |
|--|
| Using recommended guidelines and current research, nutrition needs may be                    |
| recommended at:  |
| <b>Energy:</b> ~1920-2110 kcal (using Mifflin-St. Jeor + 10%, using UBW due to fluid status) |
| <b>Protein:</b> 115-135 grams of protein (using 1.0-1.2 gm/kg of UBW)                        |
| Fluids: 1920-2110 ml (using 1ml/kcal)  |
|  |
| Nutrition Diagnosis:   |
| Excessive mineral (sodium) intake (NI-5.10.2{7}) AND food- and nutrition- related            |
| knowledge deficit (NB-1.1) related to overconsumption of convenience food                    |
| items as evidenced by increase in edema of lower extremities AND unable to                   |
| explain purpose of the nutrition prescription or rationale for nutrition                     |
| prescription in relationship to disease/health.  |
|  |
| Nutrition Interventions:   |
| The Nutrition Prescription, or the diet order, is recommended at ~1920-2110                  |
| kcal, 115-135 gm protein and 1920-2110 ml fluids per day. It is recommended to               |
| limit sodium foods, with a goal of 2000 mg sodium per day. Nutrition education               |
| provided on the prescribed therapeutic diet.   |
| Additional autoitics interventions DDN with a Home Health Assess and to                      |
| Additional nutrition interventions RDN with a Home Health Agency and to                      |
| community program.   |
| Nutrition Monitoring and Evaluation:   |
| Anthropometric measurements  |
| <ul> <li>Weight measurements daily for weight change</li> </ul>                              |
| <ul> <li>Biochemical data, medical tests, and procedures, including:</li> </ul>              |
| • Potassium  |
| <ul> <li>Nutrition focused physical findings:</li> </ul>                                     |
| <ul> <li>Edema of bilateral lower extremities: 3+ pitting</li> </ul>                         |
| <ul> <li>Food and nutrition-related history:</li> </ul>                                      |
| <ul> <li>Types of food and meals</li> </ul>  |
| <ul> <li>Area(s) and level of knowledge/skill</li> </ul>                                     |
| <ul> <li>Self-monitoring at agreed-upon rate</li> </ul>                                      |
| <ul> <li>Participation community programs</li> </ul>   |
|  |

Revised September 2023

Page 2 of 6

## Sample Comprehensive Nutrition Assessment

| Initial Comprehensive Nutrition Assessment using the Nutrition Care Process  |
|--|
| Food / Nutrition-Related History   |
| <ul> <li>Food and Nutrient intake – Good appetite, no limit on any nutrients or change in fluid intake</li> <li>Medications – furosemide (Lasix)</li> <li>Food and Nutrient Administration – 2-gram sodium diet</li> <li>Knowledge/Beliefs/Attitudes – lack of understanding of CHF and nutrition recommendations</li> <li>Factors Affecting Access to Food and Food/Nutrition-Related Supplies – participation in community programs and ability to shop, plan, and prepare food</li> <li>Anthropometric Measurements</li> <li>Height: 72 inches (182.9 cm)</li> <li>Weight history: weight gain of 20 pounds or 7.8% over the past 6 months and 10 pounds or 3.8% over the past three weeks</li> </ul> |
| <ul> <li>Body Mass Index: 37.4 kg/m<sup>2</sup> (obese class II)</li> </ul>  |
| Biomedical Data, Medical Tests & Procedures  |
| <ul> <li>Altered nutrition related lab values:</li> <li>BNP: 850 pg/ml ↑</li> </ul>  |
| Nutrition-Focused Physical Findings  |
| <ul> <li>Non-normal Nutrition Related Physical Findings:</li> <li>Edema – 3+ pitting edema of bilateral lower extremities</li> </ul>   |
| Client History   |
| <ul> <li>Age – 72 years old</li> <li>Race / Ethnicity – Caucasian</li> <li>Gender – Male</li> <li>Medical History – second admission in 30-days for CHF exacerbation</li> <li>Social History – widowed, no children</li> </ul>   |
| Nutrition Diagnosis  |
| <ul> <li>P: Excessive mineral (sodium) intake (NI-5.10.2 {7}) AND food- and nutrition-related knowledge deficit (NB-1.1) related to (r/t)</li> <li>E: overconsumption of convenience food items as evidence by (AEB)</li> <li>S: increase in edema of lower extremities AND unable to explain purpose of the nutrition prescription or rationale for nutrition prescription in relationship to disease/health</li> </ul>   |
| Nutrition Prescription   |
| <ul> <li>1920-2110 kcal (Mifflin-St. Jeor + 10%, using UBW)</li> <li>115-135 grams of protein (using 1.0-1.2 gm/kg of UBW)</li> <li>1920-2110 ml fluids (1ml/kcal)</li> </ul>  |

**Revised September 2023** 

Page 3 of 6

#### Nutrition Interventions: Individualized Plan of Care

Food and/or Nutrient Delivery

1. Modify composition of meals/snacks - modify sodium intake

#### **Nutrition Education**

- 1. Provide education materials on nutrition recommendations for heart failure.
- 2. Guidance in choosing lower sodium convenience foods and in quick, easy meal preparation.

#### Nutrition Counseling

- 1. Self-monitoring.
- 2. Weigh daily to monitor fluid retention.

## Coordination of Nutrition Care

1. Referral to community agencies such as Area Agencies on Aging, Congregate Meal Programs, Council on Aging

#### Goals

Manage fluid retention by:

- 1. Maintain current weight with no further weight gain of more than 3 pounds
- 2. State recommended level of dietary sodium intake
- 3. Distinguish between food sources of high and low sodium
- 4. Use nutrition labels to limit intake of sodium

| Nutrition Monitoring and Evaluation |   |                         |                |
|-------------------------------------|---|-------------------------|----------------|
| Indicator                           | Criteria                                      | Goals                   | Outcomes       |
| Food/Nutrient Related Histo         | Food/Nutrient Related History Outcomes:       |                         |                |
| Sodium intake less than             | Sodium intake less                            | Sodium intake less than | Sodium intake  |
| 2000 mg per day                     | than 2000 mg per                              | 2000 mg per day         | less than 2000 |
|                                     | day   |                         | mg per day     |
|                                     |   |                         |                |
|                                     |   |                         |                |
| Anthropometric Measureme            | ents Outcomes:                                |                         |                |
| Weight Change                       | Weight Change                                 | Weight Change           | Weight         |
|                                     |   |                         | Change         |
| Nutrition-focused Physical F        | Nutrition-focused Physical Findings Outcomes: |                         |                |
| Appearance of lower                 | Appearance of                                 | Appearance of lower     | Appearance     |
| extremities                         | lower extremities                             | extremities             | of lower       |
|                                     |   |                         | extremities    |

Revised September 2023

Page 4 of 6

| Summary | Readmission within 30 days can be avoided with individualized nutrition            |
|---------|--|
|         | interventions directed by the RDN in home health settings. Using a nutrition       |
|         | assessment to determine interventions and education can improve quality of life    |
|         | and reduce risk for acute care hospital readmission. Persons at nutrition risk can |
|         | improve in a home health setting with professional advisement and direction for    |
|         | high quality nutrition care.   |

In this Case Study, the CDR has chosen to use the term RDN to refer to both registered dietitians (RD) and registered dietitian nutritionists (RDN) and to use the term NDTR to refer to both dietetic technician, registered (DTR) and nutrition and dietetics technician, registered (NDTR).

### References

- Academy of Nutrition and Dietetics online eNCPT Nutrition Terminology Reference Manual. Accessed July 18, 2023. (Can be purchased at <a href="http://ncpt.webauthor.com/">http://ncpt.webauthor.com/</a>).
- Chen J, Normand SLT, Wang Y, Krumholz HM. National and regional trends in heart failure hospitalizations and mortality rates for Medicare beneficiaries, 1998-2008. *JAMA*. 2011;306(15):1669-1678. 10.1001/jama.2011.1474
- Academy of Nutrition and Dietetics. Nutrition Care Manual. Accessed July 18, 2023. https://www.nutritioncaremanual.org/topic.cfm?ncm\_toc\_id=8585
- Lindenfeld J, Albert N, Moser D, Boehmer J, Rogers J, Collins S, Starling R, Ezekowitz J, Stevenson W, Givetz M, Tang WH, Katz S, Teerlink J, Klapholz M, Walsh M. Executive Summary: HFSA 2010 Comprehensive Heart Failure Practice Guideline. *J Card Fail*. 2010;16(6):475-539. 10.1016/j.cardfail.2010.04.004
- Arcand JL, Brazel S, Joliffe C, Choleva M, Berkoff F, Allard JP, Newton GE. Education by dietitian in patients with heart failure results in improved adherence with a sodium restricted diet: a randomized trial. *Am Heart J*. 2005;150(4):716. <u>10.1016/j.ahj.2005.02.016</u>.
- Academy of Nutrition and Dietetics Evidence Analysis Library. Evidence-Based Nutrition Practice Guideline on Heart Failure. Accessed July 18, 2023. <u>https://www.andeal.org/topic.cfm?menu=5289</u>.
- Jessup M, Abraham W, Casey D, et al. 2009 Focused update: ACCF/AHA Guidelines for the diagnosis and management of heart failure in adults. *Circulation*. 2009;119(14):e391-479. <u>10.1161/CIRCULATIONAHA.109.192065</u>

Revised September 2023

| Authors/  | Lisa Eckstein, MS, RD, LD  |
|-----------|--|
| Reviewers | Lisa has worked in the long-term care setting for more than 25 years and currently operates a consulting company.  |
|           | Margery Gann, MBA, RDN, LDN, FAND<br>Margery has expertise in the management of community programs including in home<br>services, Title IIIC nutrition programs, and the rebalancing of Medicaid funds from<br>institutions to community-based care. |

This case study was reviewed for clinical updates by members of the Dietetics in Health Care Communities Dietetic Practice Group of the Academy of Nutrition and Dietetics in 2022.

**Revised September 2023** 

Page 6 of 6



## **IMPACT Measure Domain**

| Measure Domain | All-Condition Risk-Adjusted Potentially Preventable Hospital Readmissions Rates NQF Number 1789   |
|----------------|---|
| Background     | The IMPACT Act of 2014 (IMPACT Act) includes a focus on post-acute care in four<br>settings: Home Health Agencies (HHAs), Skilled Nursing Facilities (SNFs), Inpatient<br>Rehab Facilities (IRFs), and Long-Term Care Hospitals (LTCHs). However, the majority<br>of patients enter these settings from acute care hospitals.   |
|                | The IMPACT Act specified domains to be standardized, one of those being "all-<br>condition, risk-adjusted potentially preventable hospital readmission rates".  |
|                | The National Quality Forum (NQF) is a voluntary consensus standards-setting organization. Several organizations and agencies submit measures to the NQF. NQF uses its formal Consensus Development Process (CDP) to evaluate and endorse performance measures. This process involves calls for decisions, inputs and appeals from the Consensus Standards Approval Committee (CSAC). The CSAC can grant full endorsement, time-limited endorsement, or deny endorsement. NQF endorsed a single Measures Under Consideration (MUC) ID number that represents readmission measures in the post-acute care setting (#4210), as well as additional measures for each post-acute care setting (see key definitions). |
|                | The fragmentation of care among settings, from acute care through home and primary<br>care has been identified as a problem contributing to less than 30-day readmission to<br>the acute care setting. Different methods for lowering 30-day all-cause readmissions<br>have been proposed and examined, including transitional care management and<br>reengineered discharge programs. A few studies have looked at the risk factors<br>associated with readmission such as weight loss or underweight BMI. Other studies<br>have assessed the impact of oral nutritional supplements (ONS) on readmission rates.   |
|                | Hospital readmission data highlights the opportunity to save money and improve efficiency. Evaluation and research are ongoing to find best practice.   |
|                | COST SAVINGS<br>CMS Payment Reduction:<br>Under the Affordable Care Act, penalties will be implemented for high readmission<br>rates in health care facilities. In fiscal year 2015, hospitals were penalized for above-<br>average readmission rates (when compared to the prior 3-year period) in one of five<br>clinical conditions: heart failure, acute myocardial infarction, hip or knee replacement<br>chronic obstructive pulmonary disease, and pneumonia. The IMPACT Act of 2014<br>followed this pattern by measuring readmission rates from the post-acute care settings<br>and subsequently adjusting payments to these care settings.  |

# Potentially Preventable Hospital Readmissions Rates

Revised September 2023

Page 1 of 6

|                  | OTHER PROJECTS TO IMPROVE READMISSIONS   |
|------------------|--|
|                  | Partnership for Patients:  |
|                  | A program aimed at reducing hospital readmissions is the Partnership for Patients              |
|                  | (PFP) (Partnership for Patients   CMS Innovation Center). PFP is a public-private              |
|                  | partnership working to improve quality, safety, and affordability of health care. The          |
|                  | group includes Hospital Engagement Networks (HOSPITAL ENGAGEMENT NETWORKS:                     |
|                  | CONNECTING HOSPITALS TO IMPROVE CARE   CMS), the Community-based Care                          |
|                  | Transitions Program (Community-based Care Transitions Program   CMS Innovation                 |
|                  | Center) and Patient and Family Engagement(Patient and Family Engagement   Agency               |
|                  | for Healthcare Research and Quality (ahrq.gov).  |
|                  | Agency for Healthcare Research and Quality (AHRQ):   |
|                  | The mission of AHRQ is "to produce evidence to make health care safer, higher quality,         |
|                  | more accessible, equitable and affordable, and to work with the U.S. Department of             |
|                  | Health & Human Services and with other partners to make sure that the evidence is              |
|                  | understood and used". Quality Indicators (QI) are measures of health care quality.             |
|                  | The AHRQ QI modules represent 4 areas: prevention, inpatient, patient safety, and              |
|                  | pediatrics.  |
| Key Definitions  | <b>Readmission:</b> An admission to an acute care hospital within 30-days of discharge from    |
|                  | an acute care hospital.  |
|                  | Planned readmission: An intentional readmission within 30-days of discharge from an            |
|                  | acute care hospital that is a scheduled part of the patient's plan of care.                    |
|                  | Risk adjustment: accounts for differences across hospitals in patient demographics             |
|                  | and clinical characteristics that might be related to the outcome but unrelated to             |
|                  | quality of care.   |
| NQF Measures     | Measure 4210: All-cause readmission to hospital from post-acute care                           |
| Submitted to CMS | Measure 2502: All-cause unplanned readmissions measure for 30-days post discharge              |
|                  | from IRFs  |
|                  | <ul> <li>This measure estimates the risk-standardized rate of unplanned, all-cause</li> </ul>  |
|                  | readmissions for patients discharged from an IRF who were readmitted to a                      |
|                  | short-stay acute-care hospital or a LTCH, within 30-days of an IRF discharge.                  |
|                  | The measure will be based on data for 24 months of IRF discharges to lower                     |
|                  | levels of care or to the community.  |
|                  | Measure 2010: Skilled Nursing Facility 30-day All-Cause Readmission Measure                    |
|                  | (SNFRM)  |
|                  | <ul> <li>This measure estimates the risk-standardized rate of all-cause, unplanned,</li> </ul> |
|                  | hospital readmissions for patients who have been admitted to a SNF (Medicare                   |
|                  | fee-for-service [FFS] beneficiaries) within 30 days of discharge from their prior              |
|                  | proximal hospitalization. The prior proximal hospitalization is defined as an                  |
|                  | admission to an inpatient prospective payment system (IPPS), critical access                   |
|                  | hospital (CAH), or a psychiatric hospital. The measure is based on data for 12                 |
|                  | months of SNF admissions.  |
|                  |  |

**Revised September 2023** 

Page 2 of 6

|                 | right. and Dietetics   |
|-----------------|--|
|                 | <ul> <li>Measure 2512: All-Cause Unplanned Readmission Measure for 30 Days Post Discharge from LTCHs</li> <li>This measure estimates the risk-standardized rate of unplanned, all-cause readmissions for national discharged from a LTCL who were readmitted to a</li> </ul>   |
|                 | readmissions for patients discharged from a LTCH who were readmitted to a short stay- acute-care hospital or a LTCH, within 30-days of an LTCH discharge.  |
|                 | The measure will be based on data for 24-months of LTCH discharges to lower levels of care or to the community.  |
|                 | <b>Measure 2380:</b> Re-hospitalization during the first 30 days of home health<br>Percentage of home health stays in which patients who had an acute inpatient  |
|                 | hospitalization in the 5-days before the start of their home health stay were admitted   |
|                 | to an acute care hospital during the 30-days following the start of the home health stay.  |
| Nutritional     | <ul> <li>RDNs can influence readmission rates with effective nutrition screening,</li> </ul>   |
| Implications    | assessment, interventions, and monitoring. The role of nutrition/medical nutrition therapy (MNT) in the management of congestive heart failure (CHF), diabetes (DM), and chronic pulmonary disease is well-documented.   |
|                 | • Screening protocol identifies patients at risk for malnutrition or under-nutrition.<br>Malnutrition is associated with higher mortality, increased length of stay in<br>hospital, and higher health care cost. Identifying malnutrition and malnutrition risk<br>along with early intervention can improve outcomes.   |
|                 | • The NCP involves assessment, diagnosis, intervention, monitoring, and evaluation (ADIME). A complete assessment can identify factors, such as chronic diseases that contribute to readmission. These factors could lead to a nutrition prescription and individualized plan of care. This information must be shared across care settings. utilizing a systemic approach, like the NCP, provides a framework for more efficient and effective care.  |
|                 | In the AHRQ publication, nutrition assistance is one of the items listed to identify in the community as a transitional care service.  |
| Outcomes/       | Readmission measures are in place to improve quality of care and reduce health   |
| Measures        | care spending. The common goal is to reduce readmission rates. Research has shown the impact of other clinicians (such as nurses and pharmacist) on improving  |
|                 | the readmission rates through education and communication. Opportunity exists<br>for RDNs/nutrition and dietetic technicians, registered (NDTRs) to participate in<br>research on the impact of their role.  |
| Recommendations | <ul> <li>The RDN/NDTR should be familiar with measure(s) that apply to their practice area and consider volunteering for committees/teams to improve those measures. Many programs for reducing readmissions do not include RDN/NDTRs as an interdisciplinary team member. It is within the scope of practice of RDNs to complete in-home visits and follow-up phone calls. The special knowledge of the dietitian makes them particularly effective in helping patients.</li> <li>The RDN/NDTR should invest time in the discharge process and transitions of care for conditions related to readmission. This includes improved communication of the ADIME process and care plan (health concern, goals, and interventions) related</li> </ul> |
|                 | to diet, food/fluid intake, weight, weight variations, and patient's   |

**Revised September 2023** 

Page 3 of 6

|                  | rigm. and Dietetics   |
|------------------|---|
|                  | choices/preferences. Secure services needed in the community/home include Area  |
|                  | Agency for Aging and Meals on Wheels. These types of organizations partner with |
|                  | RDNs/NDTRs in all settings in caring for older adults.                          |
|                  | Continue the partnership with the Alliance to Advance Patient Nutrition.        |
| Resources        | Alliance Nutrition Care Model and Toolkit                                       |
|                  | Consensus Statement of the Academy of Nutrition and Dietetics: Malnutrition.    |
| Additional Links | http://www.qualityforum.org/News_And_Resources/Press_Releases/2012/NQF_Endo     |
|                  | rses All-Cause Unplanned Readmissions Measures.aspx                             |
|                  | http://www.qualityforum.org/Publications/2015/04/All-                           |
|                  | Cause Admissions and Readmissions Measures - Final Report.aspx                  |
|                  | http://malnutrition.com/alliance  |
|                  | http://innovation.cms.gov/Files/reports/patient-safety-results.pdf              |
|                  | http://partnershipforpatients.cms.gov/  |
|                  | http://www.qualityindicators.ahrq.gov/  |
|                  | http://www.ahrq.gov/sites/default/files/publications/files/medreadmissions.pdf  |
|                  | http://caretransitions.org/   |
|                  | http://www.ajmc.com/journals/issue/2013/2013-1-vol19-n2/impact-of-oral-         |
|                  | nutritional-supplementation-on-hospital-outcomes/P-3#sthash.kB4r3FyJ.dpuf       |
|                  | ·   |

In this Measure Domain, the CDR has chosen to use the term RDN to refer to both registered dietitians (RD) and registered dietitian nutritionists (RDN) and to use the term NDTR to refer to both dietetic technician, registered (DTR) and nutrition and dietetics technician, registered (NDTR).

### References

- Dartmouth Atlas Project, Research & Communications. *The Revolving Door: A Report on U.S. Hospital Readmissions*. Princeton, NJ: Robert Wood Johnson Foundation; 2013. Accessed July 18, 2023. <u>https://www.rwjf.org/en/library/research/2013/02/the-revolving-door--a-report-on-u-s--hospital-readmissions.html</u>.
- Medicare Payment Advisory Committee (MEDPAC). Report to the Congress: Medicare and the Health Care Delivery System. Washington, DC: MedPAC; 2021. Accessed July 18, 2023. June 2021 Report to the Congress: Medicare and the Health Care Delivery System – MedPAC.
- All-Cause Admissions and Readmissions Measures: Final Report, April 2015. National Quality Forum. Accessed July 18, 2023. <u>https://www.qualityforum.org/Publications/2015/04/All-</u> <u>Cause Admissions and Readmissions Measures - Final Report.aspx</u>
- Medicare Payment Advisory Committee (MEDPAC). Report to the Congress: Medicare Payment Policy. Washington D. C.: MedPAC; 2022. Accessed July 18, 2023. <u>https://www.medpac.gov/document/march-2022-report-to-the-congress-medicare-payment-policy/</u>
- Centers for Medicare & Medicaid Services. Partnerships for Patients. Accessed July 18, 2023. <u>http://partnershipforpatients.cms.gov/p4p\_resources/tsp-</u> preventablereadmissions/toolpreventablereadmissions.html.

**Revised September 2023** 

Page 4 of 6

Copyright ©2023 Commission on Dietetic Registration. This handout is intended for use by the individual RDN and NDTR. Contact CDR for questions regarding reproduction or distribution.

• Collaborative Healthcare Strategies, Inc., and John Snow, Inc. *Hospital Guide to Reducing Medicaid Readmissions*. Agency for Healthcare Research and Quality. August 2014. AHRQ Publication No. 14-0050-EF. Accessed July 18, 2023.

https://www.ahrq.gov/sites/default/files/publications/files/medreadmissions.pdf

- Clinical Malnutrition. Academy of Nutrition and Dietetics. Accessed July 18, 2023. (log in required) <u>https://www.eatrightpro.org/practice/dietetics-resources/clinical-malnutrition</u>
- Harlan M, Krumholz MD. Post-hospital syndrome an acquired, transient condition of generalized risk. *N Engl J Med*. 2013; 368(2): 100–102. doi: 10.1056/NEJMp1212324
- Naylor MD, Kurtzman ET, Grabowski DC, et al. Unintended consequences of steps to cut readmissions and reform payment may threaten care of vulnerable older adults. *Health Aff (Millwood)*. 2012;31(7):1623-32. <u>10.1377/hlthaff.2012.0110</u>
- Parry C, Coleman EA, Smith JD, et al. The care transition intervention: a patient-centered approach to ensuring effective transfers between sites of geriatric care. *Home Health Care Serv Q*. 2003;22(3):1-17. <u>10.1300/J027v22n03</u> 01
- Naylor MD, Hirschman KB, O'Connor M, et al. Engaging older adults in their transitional care: what more needs to be done? *J Comp Eff Res.* 2013;2(5):457-68. <u>10.2217/cer.13.58</u>
- Jack BW, Chetty VK, Anthony D, et al. A reengineered hospital discharge program to decrease rehospitalizations: a randomized trial. *Ann Intern Med.* 2009;150(3):178-87. <u>10.7326/0003-4819-150-3-200902030-00007</u>
- Allaudeen N, Vidyarthi A, Maselli J, et al. Redefining readmission risk factors for general medicine patients. *J Hosp Med* 2011; 6: 54-60. <u>10.1002/jhm.805</u>
- Mudge AM, Kasper K, Clair A, et al. Recurrent readmissions in medical patients: a prospective study. *J Hosp Med*. 2011;6(2):61-7. <u>10.1002/jhm.811</u>
- Gariballa S, Forster S, Walters S, Powers H. A randomized, double-blind, placebo-controlled trial of nutritional supplementation during acute illness. *Am J Med*. 2006; 119(8):693-699.
   <u>10.1016/j.amjmed.2005.12.006</u>
- Norman K, Kirchner H, Freudenreich et al. Three month intervention with protein and energy rich supplements improve muscle function and quality of life in malnourished patients with nonneoplastic gastrointestinal disease—a randomized controlled trial. *Clin Nutr.* 2008 Feb;27(1):48-56. <u>10.1016/j.clnu.2007.08.011</u>
- Raatz SK, Wimmer JK, Kwong CA, Sibley SD. Intensive diet instruction by registered dietitians improves weight-loss success. *J Am Diet Assoc.* 2008;108(1):110-3. doi.org/10.1016/j.jada.2007.10.010
- Gaetke LM, Stuart MA, Truszczynska H. A single nutrition counseling session with a registered dietitian improves short-term clinical outcomes for rural Kentucky patients with chronic diseases. *J Am Diet Assoc.* 2006 Jan;106(1):109-12. <u>10.1016/j.jada.2005.09.051</u>

Page 5 of 6

Revised September 2023

|        | Commission                         |
|--------|------------------------------------|
|        | on Dietetic                        |
|        | Registration                       |
|        | the credentialing agency for the   |
| .eat   | Academy of Nutrition               |
| right. | Academy of Nutrition and Dietetics |

| Authors/Reviewers | <b>Lisa Eckstein, MS, RD, LD</b><br>Lisa has worked in the long-term care setting for more than 25 years and currently operates a consulting company.  |
|-------------------|--|
|                   | Margery Gann, MBA, RDN, LDN, FAND<br>Margery has expertise in the management of community programs including in home<br>services, Title IIIC nutrition programs, and the rebalancing of Medicaid funds from<br>institutions to community-based care. |

This measure domain was reviewed for clinical updates by members of the Dietetics in Health Care Communities Dietetic Practice Group of the Academy of Nutrition and Dietetics in 2022.

Revised September 2023

Page 6 of 6