

# MQii Tools and Resources

Tools Specifically Developed to Support  
MQii Implementation



MALNUTRITION QUALITY  
IMPROVEMENT INITIATIVE

These materials were developed by the Malnutrition Quality Improvement Initiative (MQii), a project of the Academy of Nutrition and Dietetics, Avalere Health, and other stakeholders who provided guidance and expertise through a collaborative partnership. Support provided by Abbott.

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## Table: 9 MQii Tools

The resources listed below are MQii’s tools to complement the Toolkit document and support your implementation of malnutrition quality improvement. You and your Project Team may find it helpful to access and use some or all of these tools to support your implementation of the initiative at your hospital. The tools are organized by their relevant Toolkit section; you can also find links to them embedded in the respective sections of the Toolkit document in the pages above.

MQii Toolkit Section	MQii Tool or Resource	Description
<b>Why Implement the MQii in Your Facility?</b>	<a href="#">Primer: The Importance of Addressing Malnutrition Care</a>	This 2-page document highlights key facts and statistics to know and share about the impact and burden of malnutrition and how addressing it can improve patient outcomes and hospital performance. It helps provide a case for why to implement the MQii.
	<a href="#">MQii Principles and Models of Quality Improvement</a>	This 4-page document provides background on the basic concepts of quality improvement and how it can be used to change entrenched care practices and enhance practice performance. A variety of established models and approaches for testing quality improvement changes are reviewed.
	<a href="#">MQii Overview Presentation</a>	This PowerPoint Presentation highlights the importance of addressing malnutrition in your hospital, the business case for doing so, and the role key leaders can play in implementing the initiative. Share it with your hospital executives, clinical leaders, or other project or care team members to introduce the MQii to your hospital and understand the MQii goals and expectations of getting involved.
	<a href="#">Sample MQii Outreach Letters</a>	These draft letters aim to introduce the MQii to different staff members in your hospital: executives, clinical staff, and patients/family caregivers. They may be helpful as a more targeted approach for introducing this initiative to key individuals since they can be tailored and personalized for the individuals you wish you engage. Each letter template raises awareness of the MQii and the role each can play to support it.
	<a href="#">MQii Guiding Principles</a>	This handout presents the principles upon which the MQii was created and that guided the development of the MQii Toolkit. Feel free to share it with leadership or staff that desire more information on the creation of the MQii.

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Plan Your Initiative	<a href="#">MQii Readiness Questionnaire</a>	This questionnaire helps to identify how prepared you, your care teams, or your organization are to implement a quality improvement project focused on malnutrition. It asks questions about your hospital's culture, awareness of malnutrition, and ability to implement quality improvement activities. Based on the responses you provide, direction for which pieces of the Toolkit to use or where in the process to begin are suggested.
	<a href="#">Sample MQii Outreach Letters</a>	These draft letters aim to introduce the MQii to different staff members in your hospital: executives, clinical staff, and patients/family caregivers. They may be helpful as a more targeted approach for introducing this initiative to key individuals since they can be tailored and personalized for the individuals you wish you engage. Each letter template raises awareness of the MQii and the role each can person play to support it.
	<a href="#">MQii Overview Presentation</a>	This PowerPoint Presentation highlights the importance of addressing malnutrition in your hospital, the business case for doing so, and the role key leaders can play in implementing the initiative. Share it with your hospital executives, clinical leaders, or other project or care team members to introduce the MQii to your hospital and understand the MQii goals and expectations of getting involved.
	<a href="#">MQii Project Teams and Workflow Mapping Presentation</a>	This PowerPoint presentation reviews the different MQii team roles and responsibilities. It also reviews instructions for mapping and comparing your Care team's current malnutrition care practices to the MQii recommended care workflow. Use this presentation with your MQii Project Team (including key Care team leaders) to identify the best clinical improvement(s) to introduce for your malnutrition care. This will walk you through the exercise of how to identify areas for improvement. Used in conjunction with the best practices highlighted on pages 26-44 of the Toolkit document, your team should be able to identify changes or improvements to introduce among your care teams.

MQii Toolkit Section	MQii Tool or Resource	Description
	<a href="#">MQii Implementation Training Presentation</a>	This PowerPoint Presentation reviews the key aspects of the MQii recommended care workflow that MQii Care team members should be familiar with. Depending on the clinical improvement your team decided to focus on and implement, this presentation goes over best practices for achieving optimal nutrition care for each step of the recommended clinical workflow. Present this to your MQii Project and Care teams to ensure everyone is aligned on the selected improvement and how to introduce it into your current workflow. (Use of slides can be tailored to target training an education on any specific steps for which you choose to focus improvements.)
	<a href="#">MQii Implementation FAQs</a>	This list and responses to frequently asked questions (FAQ) about MQii implementation may help you and your team as you begin planning this initiative.
<b>Select Your Quality Improvement Project</b>	<a href="#">MQii Malnutrition Care Assessment and Decision Tool</a>	This helpful questionnaire can be critical for helping your team identify which aspects of malnutrition care make the most sense to target for quality improvement. It asks questions regarding your current processes for malnutrition care and, based on your responses, provide suggestions for where to focus your efforts. Complete this either as a first step to your clinical workflow mapping process or if you run into difficulty identifying what to target on your own.
	<a href="#">MQii Recommended Malnutrition Clinical Workflow</a>	This figure represents at a glance the key steps of the MQii recommended clinical workflow for malnutrition care. Use this 1-pager with your project teams or post it in circulation areas to remind care team members of the key steps for optimal malnutrition care.
	<a href="#">MQii Sample Flowchart for Recommended Malnutrition Care and Flowchart Template</a>	This workflow diagram provides an example of how best practices for malnutrition care look like when carried out by hospital staff. The Sample Workflow Map reflects the MQii recommended clinical workflow, but an additional “blank” template is provided for your Care team to map out your current practice workflow. By filling in the template, your team will have a deeper understanding of current practices and potential areas for improvement.

MQii Toolkit Section	MQii Tool or Resource	Description
<b>Plan for Data Collection</b>	<a href="#">MQii eMeasures and Quality Indicators Overview Presentation</a>	<p>This PowerPoint slide deck includes specifications for the four electronic clinical quality measures (eCQMs) developed for the MQii, including numerator, denominator, and exclusion information. Brief descriptions of the MQii suggested quality indicators are also included.</p>
	<a href="#">MQii Data Management Guide</a>	<p>This extensive Excel file contains information on the MQii suggested quality indicators and instructions for collecting data for them. In addition to descriptions and specifications for each quality indicator, this guide also includes a data compilation form, feedback reports, and general guidance for how to calculate results to share with your Project and Care team members.</p>
	<a href="#">MQii Implementation FAQs</a>	<p>This list and responses to frequently asked questions (FAQ) about MQii implementation may help you and your team as you begin planning this initiative.</p>
<b>Begin Implementation</b>	<a href="#">MQii Malnutrition Knowledge and Awareness Test</a>	<p>This multiple choice questionnaire can be used prior to implementation a clinical improvement to assess your Care team’s knowledge of malnutrition and key aspects of optimal care. If administered both before and after implementation of this initiative, it can serve as an indicator for whether or how much your staff learned as a result of participating in the MQii. It can also serve to provide results to share with your leadership staff upon completion of a first phase of implementation.</p>
	<a href="#">MQii Toolkit Overview Presentation</a>	<p>This PowerPoint Presentation reviews objectives of the MQii Toolkit and the roles of different team members to help carry out this initiative. Share it with your Project and Care team members as you kick-off this initiative to introduce them to the MQii and how they will be expected to participate.</p>

MQii Toolkit Section	MQii Tool or Resource	Description
Begin Implementation (continued)	<a href="#">MQii Implementation Training Presentation</a>	This PowerPoint Presentation reviews the key aspects of the MQii recommended care workflow that MQii Care team members should be familiar with. Depending on the clinical improvement your team decided to focus on and implement, this presentation goes over best practices for achieving optimal nutrition care for each step of the recommended clinical workflow. Present this to your MQii Project and Care teams to ensure everyone is aligned on the selected improvement and how to introduce it into your current workflow. (Use of slides can be tailored to target training an education on any specific steps for which you choose to focus improvements.)
	<a href="#">MQii Malnutrition Recognition Guide</a>	This visual guide provides clinical guidelines and images to help your care team members recognize the characteristics of malnutrition among your patients. It includes key characteristics to look for when assessing patients and help inform a malnutrition diagnosis.
	<a href="#">MQii Sample Plan-Do-Study-Act (PDSA) Templates</a>	There is a PDSA template for nearly each step of the recommended malnutrition care process. Each template highlights a potential clinical improvement to implement for a given step in the malnutrition care process. Included in each template is an improvement objective, a plan for carrying out the improvement, and how to document and measure the improvement with your care team. These are examples of the type of information you and your team should outline for whichever clinical improvement you identify or choose to focus on.
	<a href="#">MQii Sample Meeting Agenda</a>	This meeting agenda is simply a template for topics to address at your regular MQii Project Team meetings. It ensures that you discuss challenges and realities of implementation, suggestions for modification, and monitoring of improvement. Regular discussion of these items and their communication to the relevant Care team members will be important for advancing your improvement efforts and helping it be as successful as possible.
	<a href="#">MQii Implementation FAQs</a>	This list and responses to frequently asked questions (FAQ) about MQii implementation may help you and your team as you begin planning this initiative.

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<p><b>Keep it Going</b></p>	<p><a href="#">Additional Resources</a></p>	<p>To help support any aspect of implementation that the tools above did not specifically address, or to find additional information and background resources specific either to malnutrition care or quality improvement more generally, please see this list of additional resources. Sources include information from the Alliance to Advance Patient Nutrition, the Academy of Nutrition and Dietetics, ASPEN, the Centers for Medicare &amp; Medicaid Services (CMS), and many others. In addition to these resources, refer to your results of the Malnutrition Care Assessment and Decision Tool for other areas in your hospital's malnutrition workflow to focus quality improvement efforts.</p>
<p><b>Slides Deck Presentations</b></p> <p>A full list of the various PowerPoint slide decks available to share information with your colleagues during the various stages of MQii</p>	<p><a href="#">MQii Overview Presentation</a></p> <hr/> <p><a href="#">MQii Toolkit Overview Presentation</a></p> <hr/> <p><a href="#">MQii Project Teams and Workflow Mapping Presentation</a></p>	<p>This PowerPoint Presentation highlights the importance of addressing malnutrition in your hospital, the business case for doing so, and the role key leaders can play in implementing the initiative. Share it with your hospital executives, clinical leaders, or other project or care team members to introduce the MQii to your hospital and understand the MQii goals and expectations of getting involved.</p> <hr/> <p>This PowerPoint Presentation reviews objectives of the MQii Toolkit and the roles of different team members to help carry out this initiative. Share it with your Project and Care team members as you kick-off this initiative to introduce them to the MQii and how they will be expected to participate.</p> <hr/> <p>This PowerPoint presentation reviews the different MQii team roles and responsibilities. It also reviews instructions for mapping and comparing your Care team's current malnutrition care practices to the MQii recommended care workflow. Use this presentation with your MQii Project Team (including key Care team leaders) to identify the best clinical improvement(s) to introduce for your malnutrition care. This will walk you through the exercise of how to identify areas for improvement. Used in conjunction with the best practices highlighted on pages 26-44 of the Toolkit document, your team should be able to identify changes or improvements to introduce among your care teams.</p>



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<p><b>Slides Deck Presentations (continued)</b></p> <p>A full list of the various PowerPoint slide decks available to share information with your colleagues during the various stages of MQii</p>	<p><a href="#">MQii Implementation Training Presentation</a></p>	<p>This PowerPoint Presentation reviews the key aspects of the MQii recommended care workflow that MQii Care team members should be familiar with. Depending on the clinical improvement your team decided to focus on and implement, this presentation goes over best practices for achieving optimal nutrition care for each step of the recommended clinical workflow. Present this to your MQii Project and Care teams to ensure everyone is aligned on the selected improvement and how to introduce it into your current workflow. (Use of slides can be tailored to target training an education on any specific steps for which you choose to focus improvements.)</p>
	<p><a href="#">MQii eMeasures and Quality Indicators Overview Presentation</a></p>	<p>This PowerPoint slide deck includes specifications for the four electronic clinical quality measures (eCQMs) developed for the MQii, including numerator, denominator, and exclusion information. Brief descriptions of the MQii suggested quality indicators are also included.</p>

## Additional Resources

Below please find publicly available resources to help support the implementation of malnutrition care best practices throughout this initiative. These resources have also been made available throughout the different sections of the MQii Toolkit, but are compiled here for ease of reference.

### Malnutrition Awareness and the Impact of Malnutrition Care Improvement

- [Malnutrition Fact Sheet](#)<sup>2</sup>
- [Alleviating Hospital-Based Malnutrition: A baseline progress report](#) (Alliance to Advance Patient Nutrition)<sup>33</sup>
- [Malnutrition: A Serious Concern for Hospitalized Patients](#)<sup>55</sup> (*Today's Dietitian* article)
- Critical Nutrients for Surgical and Trauma Wounds<sup>9</sup> (by Krishnan K. in *Support Line*, December 2015;37(6): 3-8.)
- Nutrition Professionals Improve Clinical and Financial Outcomes in Patients Receiving Parenteral Nutrition<sup>9</sup> (by Nishnick A. in *Support Line*, December 2015;37(6): 3-8.)

## Care Team Malnutrition Care Resources

- [Alliance Nutrition Care Model and Toolkit](#) (Nutrition Care Model, Toolkit Resources, and Nursing Educational Models Videos)<sup>56</sup>
- [American Society for Parenteral and Enteral Nutrition's \(ASPEN's\) Malnutrition Solution Center](#) (including resources for clinicians and consumers, such as Nutrition Care Pathways and a Step-by-Step Guide to Addressing Malnutrition Outcomes)<sup>57</sup>
- [Academy of Nutrition and Dietetics Standards of Excellence Metric Tool](#) (A self-assessment tool to measure and evaluate an organization's program, services and initiatives that identify areas of improvement to enhance food and nutrition quality)<sup>58</sup>
- [Malnutrition Screening Tool](#) (Sample validated tool for malnutrition screening)<sup>22</sup>
- [Nutrition Care Process \(NCP\) Tutorial Videos](#) (Series of videos on NCP overview, assessment, diagnosis, intervention, and monitoring & evaluation)<sup>59</sup>
- [Patient Discharge Assessment](#) (Shared discussion and decision-making tool for patient-provider discharge planning)<sup>60</sup>
- [Subjective Global Assessment Tool](#) (Sample tool for nutrition assessment)<sup>61</sup>

## Care Team Roles and Responsibilities for Optimal Malnutrition Care

- [Role of the Dietitian](#)<sup>18</sup>
- [Role of the Physician](#)<sup>17</sup>
- [Role of the Nurse](#)<sup>22</sup>
- [Role of the Hospital Administrator](#)<sup>62</sup>

## Resources for Patient Engagement in Nutrition

- [Health Policy Brief: Patient Engagement](#) (Frameworks and considerations for patient engagement)<sup>63</sup>
- [Fostering Successful Patient and Family Engagement: Nursing's Critical Role](#)<sup>100</sup>
- [Nutrition Take-Home Information and Guide for Patients](#)<sup>56</sup>
- [Patient-Centered Care Guiding Principles](#)<sup>64</sup>
- [Shared Decision Making: Interventions to Help Patients Play an Effective Role](#)<sup>65</sup>
- [Malnutrition in Older Adults Video – Alliance for Aging Research](#)<sup>66</sup>
- [National Council on Aging: Older Adult Malnutrition and Chronic Disease Toolkit](#)<sup>45</sup>

## Quality Improvement Implementation Resources

- [American Society for Quality \(ASQ\) Quality Tools A to Z](#) (Resources and templates for data collection, statistics, and reporting for quality improvement)<sup>67</sup>
- [HRSA Quality Improvement \(QI\) Resources](#) (Including the importance of QI, establishing an organizational foundation for QI, QI programs – the Improvement Journey, Supporting the QI Program – Keep the Momentum Going)<sup>68</sup>
- [Institute for Healthcare Improvement Flowchart Resources](#)<sup>71</sup>
- [Introduction to Lean and Six Sigma Approaches to Quality Improvement](#)<sup>70</sup>
- [CMS Toolkit for Making Written Material Clear and Effective](#) (Health literacy resource to ensure readable and usable materials)<sup>71</sup>

## Nutrition Care Clinical Guidance Documents

- [A.S.P.E.N Clinical Guidelines: Nutrition Screening, Assessment, and Intervention in Adults](#)<sup>20</sup>
- [Nutrition Care Process and Model: Part I \(Structure and Framework for Nutrition Professionals to Use When Delivering Nutrition Care\)](#)<sup>23</sup>
- [Nutrition Care Process: Using the International Dietetics and Nutrition Terminology to Document the Nutrition Care Process](#)<sup>72</sup>