

Measure #16a. Medical Home Index - Long Version (MHI-LV)

CARE COORDINATION MEASURE MAPPING TABLE

	MEASUREMENT PERSPECTIVE		
	<i>Patient/Family</i>	<i>Health Care Professional(s)</i>	<i>System Representative(s)</i>
CARE COORDINATION ACTIVITIES			
Establish accountability or negotiate responsibility			□
Communicate			■
<i>Interpersonal communication</i>			
<i>Information transfer</i>			□
Facilitate transitions			
<i>Across settings</i>			□
<i>As coordination needs change</i>			□
Assess needs and goals			■
Create a proactive plan of care			■
Monitor, follow up, and respond to change			
Support self-management goals			□
Link to community resources			■
Align resources with patient and population needs			■
BROAD APPROACHES POTENTIALLY RELATED TO CARE COORDINATION			
Teamwork focused on coordination			
Health care home			■
Care management			■
Medication management			
Health IT-enabled coordination			□

Legend:

- = ≥ 3 corresponding measure items
- = 1-2 corresponding measure items

Medical Home Index - Long Version (MHI-LV)

Purpose: To measure the achievement of a medical home in primary care.

Format/Data Source: 25-item survey covering 6 domains: (1) organizational capacity, (2) chronic condition management, (3) care coordination, (4) community outreach, (5) data management, and (6) quality improvement. Responses are formatted based on a continuum from Level 1 to Level 4, which reflects the degree that a practice has achieved components of a medical home. An MHI score is calculated based on the responses to the 25 items.

Date: Measure published in 2003.¹

Perspective: System Representative(s)

Measure Item Mapping:

- **Establish accountability or negotiate responsibility:** 2.4, 3.1
- **Communicate:**
 - *Between health care professional(s) and patient/family:* 1.2, 2.3, 2.4
 - *Within teams of health care professionals:* 2.3, 2.4
 - *Across health care teams or settings:* 2.3, 2.4
 - *Participants not specified:* 2.2
 - Information transfer:
 - *Between health care professional(s) and patient/family:* 1.3, 2.3
 - *Within teams of health care professionals:* 2.3
 - *Across health care teams or settings:* 2.3
- **Facilitate transitions:**
 - Across settings: 2.3, 2.4
 - As coordination needs change: 2.5.1
- **Assess needs and goals:** 1.1, 1.4, 1.5, 3.1, 3.2, 3.4, 3.5
- **Create a proactive plan of care:** 2.2, 3.1, 3.4
- **Support self-management goals:** 3.3
- **Link to community resources:** 2.3, 2.6, 4.2
- **Align resources with patient and population needs:** 1.6, 2.6, 3.5, 3.6, 4.1
- **Health care home:** 1.1-6.2
- **Care management:** 2.4, 3.1, 3.5
- **Health IT-enabled coordination:** 5.1, 5.2

Development and Testing: The instrument was initially reviewed by a national panel of Medical Home experts. Subsequent testing revealed internal consistency, construct validity, and inter-rater reliability for the MHI in the assessment of primary care practices' implementation of the medical home concept. Psychometric analyses were based on data collected from survey administration in 43 pediatric primary care practices.¹

Link to Outcomes or Health System Characteristics: A study conducted across 43 primary care practices revealed that higher scores on the Medical Home Index and specifically higher

subdomain scores for organizational capacity, care coordination, and chronic-condition management were associated with significant reductions in hospitalizations. Higher chronic-condition management scores were associated with lower emergency department use.²

Logic Model/Conceptual Framework: Medical Home Model.

Country: United States

Past or Validated Applications:

- **Patient Age:** Children, Adults
- **Patient Condition:** Combined Chronic Conditions, Children with Special Health Care Needs, General Population/Not Condition Specific
- **Setting:** Primary Care Facility

*Based on the sources listed below and input from the measure developers.

Notes:

- This instrument also has an available adult version. All questions are nearly identical except for minor wording changes to reflect adult care. Both the pediatric and adult versions can be found online.³
- This instrument is also available in a short version, which can be found online.³
- This instrument contains 25 items; all 25 were mapped.

Sources:

1. Cooley WC, McAllister JW, Sherrieb K, et al. The Medical Home Index: Development and validation of a new practice-level measure of implementation of the medical home. *Ambul Pediatr* 2003;3(4):173-80.
2. Cooley WC, McAllister JW, Sherrieb K, et al. Improved outcomes associated with medical home implementation in primary care. *Pediatrics* 2009;124(1):358-64.
3. Center for Medical Home Improvement (CMHI) Web site. Available at: <http://www.medicalhomeimprovement.org/knowledge/practices.html#measurement>
Accessed: 20 September 2010