

interRAI Home Care Quality Indicators (HCQIs) for MDS-HC Version 2.0

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InterRAI Home Care Quality Indicators for MDS-HC Version 2.0

TITLE	DESCRIPTION	MDS-HC v.2 VARIABLE DEFINITION	RISK ADJUSTERS*
NUTRITION			
W7. Prevalence of inadequate meals	<p>Numerator: Clients who ate 1 or fewer meals in 2 of the last 3 days</p> <p>Denominator: All clients</p>	<p>Numerator: Ate 1 or fewer meals in 2 of last 3 days (L2a=1)</p>	<p>-Aged 65 years or older</p> <p>-End-stage disease (k8e=1 vs 0)</p>
W24. Prevalence of weight loss	<p>Numerator: Clients with unintended weight loss</p> <p>Denominator: All clients, excluding clients with end-stage disease on initial assessment</p>	<p>Numerator: Unintended weight loss of 5% or more in last 30 days (or 10% or more in last 180 days) (L1a=1)</p> <p>Denominator: Exclude if K8E=1 (prognosis of less than 6 months to live)</p>	<p>-ADL impairment (ADL hierarchy score=4,5,6 vs 0,1,2,3)</p> <p>-Diagnosis of cancer (j1x=1,2 vs 0)</p>
HP6. Prevalence of dehydration	<p>Numerator: Insufficient fluid intake</p> <p>Denominator: All clients</p>	<p>Numerator: Insufficient fluid—did not consume all/almost all fluids during last 3 days (L2C=1)</p>	<p>-ADL impairment (ADL hierarchy score=4,5,6 vs 0,1,2,3)</p> <p>-End-stage disease (k8e=1 vs 0)</p>
MEDICATION			
M6. Prevalence of not receiving a medication review by a physician	<p>Numerator: Number of clients whose medications have not been reviewed by a physician within the last 180 days</p> <p>Denominator: Clients who are taking at least two medications</p>	<p>Numerator: No single physician reviewed all medications (Q3=1)</p> <p>Denominator: Q1>1</p>	<p>No risk adjustment</p>

INCONTINENCE			
W18. Failure to improve/Incidence of bladder incontinence	<p>Numerator: Clients who have experienced a decline in bladder continence between previous and most recent assessment</p> <p>-OR-</p> <p>Clients who have developed a new bladder continence problem</p> <p>Denominator: All clients with at least one re-assessment</p>	<p>Numerator: Bladder continence problem on previous assessment (i1a=2,3,4,5) and score remains constant or increases on re-assessment</p> <p>-OR-</p> <p>Clients who were continent on previous assessment (i1a=0,1) are incontinent on re-assessment (i1a=2,3,4,5)</p>	<p>-Difficulty dressing upper or lower body (h2e or h2f=4,5,6 vs 0,1,2,3)</p> <p>-Client is post-acute (cc2=1 vs 0,2,3,4,5,6)</p> <p>-Cognitive impairment (Cognitive Performance Scale=3,4,5,6 vs 0,1,2)</p> <p>-Aged 75 years or older</p>
ULCERS			
W23. Failure to improve/Incidence of skin ulcers	<p>Numerator: Clients with an ulcer on previous assessment who did not improve</p> <p>-OR-</p> <p>Clients with a new ulcer on follow-up</p> <p>Denominator: All clients with at least one re-assessment</p>	<p>Numerator: Pressure/stasis ulcers anywhere on the body (n2a=1,2,3,4 or n2b=1,2,3,4) that have not improved between previous and recent assessment</p> <p>-OR-</p> <p>Development of new pressure ulcer (n2a changes from 0 to 1,2,3 or 4)</p> <p>-OR-</p> <p>Development of new stasis ulcer (n2b changes from 0 to 1,2,3 or 4)</p>	<p>-ADL impairment (ADL hierarchy score=4,5,6 vs 0,1,2,3)</p>
PHYSICAL FUNCTION			
W9. Prevalence of no assistive device among clients with difficulty in locomotion	<p>Numerator: Clients with impaired locomotion who are not using an assistive device</p> <p>Denominator: All clients with impaired locomotion on most recent assessment (excludes clients for whom indoor locomotion did not occur)</p>	<p>Numerator: Client requires supervision, limited, extensive or maximal assistance or is totally dependent in locomotion around the home (H2c=2,3,4,5,6) or outside the home (H2d=2,3,4,5,6)</p> <p>-AND-</p> <p>No assistive device (H4a=0 and H4b=0)</p> <p>Denominator: Clients with impaired locomotion who experienced locomotion inside home (H2c=2,3,4,5,6) or outside home (H2d=2,3,4,5,6) excluding clients for whom H2c=8</p>	<p>-Difficulty dressing upper or lower body (h2e or h2f=4,5,6 vs 0,1,2,3)</p> <p>- Cognitive impairment (Cognitive Performance Scale=3,4,5,6 vs 0,1,2)</p> <p>-ADL impairment (ADL hierarchy score=4,5,6 vs 0,1,2,3)</p> <p>-Client has conditions or diseases that make cognition, mood, ADL or behaviour patterns unstable (k8b=1 vs 0)</p> <p>-Unsteady gait (k6a=1 vs 0)</p>

W16. Prevalence of ADL/rehabilitation potential and no therapies	Numerator: Clients are not receiving OT, PT or exercise therapy Denominator: Clients who trigger the CAP for ADL/rehab potential	Numerator: Exercise therapy, OT and PT not applicable or scheduled and not received (p2n, p2o and p2p=0)	No risk adjustment
W25d. Failure to improve/ Incidence of decline on ADL long form	Numerator: Clients with some impairment on ADL long form who failed to improve between previous and most recent assessment -OR- Clients who have a new ADL impairment based on ADL long form Denominator: All clients with at least one re-assessment who are not palliative on initial assessment	Numerator: Clients who score 1 or more on ADL long form on previous assessment and score remains constant or increases on re-assessment -OR- Clients who develop a new ADL impairment (ADL long form changes from 0 to >0) Denominator: K8e=0	-Difficulty in transfer (h2b=6,8 vs 0,1,2,3,4,5) - Cognitive impairment (Cognitive Performance Scale=3,4,5,6 vs 0,1,2)
HP15. Failure to improve/Incidence of impaired locomotion in the home	Numerator: Clients who fail to improve in locomotion in the home -OR- Clients who have a new impairment in locomotion in the home Denominator: All clients with at least one re-assessment who are not palliative on initial assessment	Numerator: Clients with some difficulty in locomotion on previous assessment (H2C=1,2,3,4,5,6) and score remains constant or increases on re-assessment -OR- Clients who were totally independent in locomotion on previous assessment (H2c=0) and have some level of difficulty on re-assessment (H2c=1,2,3,4,5,6) Denominator: k8e=0	-Reduced physical activity in last 3 days (h6b=1 vs 0) - Cognitive impairment (CPS score=3,4,5,6 vs 0,1,2) -Difficulty dressing upper or lower body (h2e or h2f=4,5,6 vs 0,1,2,3)
HP10a. Prevalence of falls	Numerator: The number of clients who record a fall on follow-up assessment Denominator: All clients not completely dependent in bed mobility on previous assessment	Numerator: K5>0 on follow-up assessment Denominator: Not completely dependent in bed mobility (H2A=0,1,2,3,4,5)	-Aged 55 years or older - Reduced physical activity in last 3 days (h6b=1 vs 0) -Unsteady gait (k6a=1 vs 0) -Diagnosis of arthritis (j1m=1,2 vs 0) - Cognitive impairment (CPS score=3,4,5,6 vs 0,1,2)

COGNITIVE FUNCTION			
W8. Prevalence of social isolation	<p>Numerator: Clients who are alone for long periods of time or always AND they also report feeling lonely -OR- clients who are distressed by declining social activity</p> <p>Denominator: All clients</p>	<p>Client is alone long periods of time or All of the time (F3a=2 or 3) AND client indicates feeling lonely (F3b=1) -OR- Decline in social activities, client is distressed (F2=2)</p>	<p>-Health instability (HIP score=3,4,5 vs 0,1,2)</p> <p>-Client feels he/she has poor health (k8a=1 vs 0)</p> <p>-Difficulty making self understood (c2=2,3,4 vs 0,1)</p> <p>-Cognitive impairment (CPS score=3,4,5,6 vs 0,1,2)</p>
W28. Failure to improve/ Incidence of cognitive decline	<p>Numerator: Clients who have experienced a decline in cognitive performance between previous and most recent assessment -OR- Clients who experience new cognitive impairment</p> <p>Denominator: All clients with at least one re-assessment</p>	<p>Numerator: Clients with some level of impairment on CPS on previous assessment (CPS=1,2,3,4,5,6) and score remains constant or increases on re-assessment -OR- Clients who were cognitively intact on previous assessment (CPS=0) have some level of impairment on re-assessment (CPS=1,2,3,4,5,6)</p>	<p>-Diagnosis of dementia (jih=1,2 vs 0)</p> <p>-Bowel incontinence (i3=3,4,5 vs 0,1,2)</p> <p>-Aged 75 years or older</p>
C3.1 Prevalence of Delirium	<p>Numerator: Clients with sudden or new onset/change in mental function -OR- Clients who have become agitated or disoriented such that his or her safety is endangered or client requires protection by others.</p> <p>Denominator: All clients</p>	<p>Numerator: Sudden or new onset/change in mental function (B3a = 1) -OR- Client has become agitated or disoriented (B3b = 1)</p>	<p>-Vision decline (d3=1 vs 0)</p> <p>-End-stage disease (k8e=1 vs 0)</p> <p>-Cognitive impairment (Cognitive Performance Scale=3,4,5,6 vs 0,1,2)</p> <p>-Depression (Depression Rating Scale=3-14 vs 0,1,2)</p>

<p>C5.1 Prevalence of negative mood</p>	<p>Numerator: Any client with sad mood on most recent assessment -AND- At least 2 symptoms of functional depression are exhibited up to five days a week or daily or almost daily</p> <p>Denominator: All clients</p>	<p>Numerator: Feeling of sadness or being depressed (E1a=1,2))</p> <p>-AND-</p> <p>At least two of the following:</p> <ul style="list-style-type: none"> - Persistent anger with self or others (E1b = 1, 2) -Repetitive health complaints (E1d = 1,2) - Sad, pained, worried facial expressions (E1f=1,2) -Recurrent crying, tearfulness (E1g=1,2) -Withdrawal from activities of interest (E1h=1,2) - Reduced social interaction (E1i=1,2) - Unintended weight loss (L1a=1) 	<ul style="list-style-type: none"> -Short term memory problem (b1a=1 vs 0) - Client feels he/she has poor health (k8a=1 vs 0) -Flare-up of recurrent or chronic problem (k8c=1 vs 0) -Primary caregiver expresses feelings of distress, anger or depression (g2c=1 vs 0) -Aged 75 years or older
<p>HP17. Failure to improve/Incidence of difficulty in communication</p>	<p>Numerator: Clients with both failure to improve in communication/ making self understood and failure to improve in ability to understand others</p> <p>-OR-</p> <p>Clients with new difficulties in making self understood or understanding others</p> <p>Denominator: All clients with at least one re-assessment</p>	<p>Numerator: Clients with some level of difficulty on C2 (C2=1,2,3,4) and score remains constant/ increases between previous and most recent assessment AND Clients with some level of difficulty on C3 (C3=1,2,3,4) and score remains constant/increases between previous and most recent assessment</p> <p>-OR-</p> <p>Clients who had no difficulty on previous assessment (C2=0 and C3=0) now have difficulty on one of these on re-assessment (C2=1,2,3,4 or C3=1,2,3,4)</p>	<ul style="list-style-type: none"> - ADL impairment (ADL hierarchy score=4,5,6 vs 0,1,2,3) -Cognitive impairment (Cognitive Performance Scale=3,4,5,6 vs 0,1,2)

PAIN			
C7.1a Prevalence of disruptive or intense daily pain	Numerator: Clients having daily pain -AND- intense pain or pain disrupts activities Denominator: All clients	Numerator: Daily pain (K4a=2,3) -AND- Severe or excruciating pain (k4b=3,4) OR pain disrupts usual activities (K4c=1)	- Health instability (HIP score=3,4,5 vs 0,1,2) - Flare-up of recurrent or chronic problem (k8c=1 vs 0)
W11. Prevalence of inadequate pain control among those with pain	Numerator: Clients who have pain and are receiving inadequate pain control Denominator: All clients having pain on most recent assessment	Numerator: Client has pain (K4a=1,2, 3) and medications do not adequately control pain (K4e=1) Denominator: k4a=1,2,3	-Cognitive impairment (Cognitive Performance Scale=3,4,5,6 vs 0,1,2)

SAFETY/ ENVIRONMENT			
W3. Prevalence of neglect/abuse	<p>Numerator: Clients who have unexplained injuries, have been abused or neglected</p> <p>Denominator: All clients</p>	<p>Numerator:</p> <p>One or more of the following: -Fearful of a family member or caregiver (K9a=1) -Unusually poor hygiene (K9b=1) -Unexplained injuries, broken bones or burns (K9c=1) -Neglected, abused or mistreated (K9d=1) -Physically restrained (K9e=1)</p>	-Cognitive impairment (Cognitive Performance Scale=3,4,5,6 vs 0,1,2)
C1.1 Prevalence of any Injuries	<p>Numerator: Clients with fractures or unexplained injuries</p> <p>Denominator: All clients</p>	<p>Numerator:</p> <p>One or more of the following: -Hip fracture (J1n =1) -Other fracture (J1o=1) -Second or third degree burns (N3a=1) -Unexplained injuries, broken bones, burns (K9c=1)</p>	-Client limits going outdoors due to fear of falling (k6b=1 vs 0) -Diagnosis of osteoporosis (j1p=1,2 vs 0)
OTHER			
W27. Prevalence of not receiving influenza vaccination	<p>Numerator: Clients who have not received influenza vaccination within the past 2 years</p> <p>Denominator: All clients excluding clients receiving chemotherapy/radiation therapy</p>	<p>Numerator: Did not receive influenza vaccination (K1b=0)</p> <p>Denominator: Clients not receiving chemo/radiation therapy (P2f=0 and P2l=0)</p>	No risk adjustment
W31. Prevalence of hospitalization	<p>Numerator: Clients who have been hospitalized, visited hospital emergency department or received emergent care since last assessment</p> <p>Denominator: All clients</p>	<p>Numerator:</p> <p>One or more of the following: -Admitted to hospital with overnight stay (p4a=1 or more) -Visited emergency room without overnight stay (p4b=1 or more) -Emergent care received (p4c=1 or more)</p>	-Client is post-acute (cc2=1 vs 0,2,3,4,5,6) -Diagnosis of diabetes (j1y=1,2 vs 0) -Edema (k3d=1 vs 0)