

Attribute	Theme	Sub-theme	Indicator Name	Indicator Technical Name	Numerator	Denominator	MDS-HC v.2 Variable Definition	Risk Adjustments	Data Source
Effective	Keeping People Healthy	Bladder Function	Percentage of residents with worsening bladder control	Incidence of worsening of bladder incontinence (based on last 14 days)	Number of residents with worse bladder incontinence on target assessment compared with previous assessment (H1b)	All residents with assessments that meet general criteria, excluding those with maximum bladder incontinence score on previous assessment (as it cannot get worse), comatose (B1) and end-of-life (J5c, P1ao) residents	Numerator: Residents with a value for bladder incontinence greater at target assessment relative to prior assessment (H1b[t]>H1b[t-1])	Facility level stratification: Activities of Daily Living (ADL) Long Form Resident level covariates: <ul style="list-style-type: none"> • Age less than 65 years • Personal Severity Index (PSI): Subset 1 or 2 Diagnoses • Cognitive Performance Scale • Resource Utilization Groups (RUGs), Nursing Case Mix Index (CMI) 	Resident Assessment Instrument-Minimum Data Set (RAI-MDS)
Effective	Keeping People Healthy	Mobility and Daily Tasks	Percentage of residents with increasing difficulty carrying out normal everyday tasks (getting dressed, eating and personal hygiene)	Incidence of worsening function in daily activities using the Long Form (global measure including eating, moving in bed, locomotion, dressing and personal hygiene, etc.) (based on last 7 days)	Number of residents with worsened ADL (eating, moving in bed, locomotion, dressing and personal hygiene) based on the full form (global measure) on most recent assessment	All residents who have most recent and previous assessments (excluding those who cannot decline because they are already totally dependent or who were comatose on the previous assessment) on most recent assessment and a prior assessment	Residents with a valid ADL Long scale at target assessment greater than at prior assessment: ADLLF[t]>ADLLF[t-1] (G1a, b, e, g, h, i, j (Box A) — last 7 days)		RAI-MDS

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Effective	Keeping People Healthy	Mobility and Daily Tasks	Percentage of residents with increasing difficulty moving about or who are completely dependent and have not improved	Incidence of residents with some worsening of ADL using the mid-loss (locomotion, transfer and walk in corridor) (based on last 7 days)	Number of residents with worsened locomotion, transfer and walk in corridor ability (medium loss ADL) on most recent assessment	All residents in home on most recent assessment	Residents with a medium loss ADL change score that is negative or 0 at prior and target assessments (G1b, d, e (Box A))		RAI-MDS
Effective	Keeping People Healthy	Pain Control	Percentage of residents with pain that got worse recently	Incidence of worsening pain (based on last 7 days)	Number of residents who had worse pain on most recent assessment compared to previous assessment	All residents on most recent assessment and a prior assessment	Numerator: Residents with greater pain at target assessment relative to prior assessment, defined by greater score on the Pain Scale (J2a, b — last 7 days)		RAI-MDS
Effective	Keeping People Healthy	Pain Control	Percentage of residents experiencing moderate to severe daily pain	Prevalence of moderate to severe pain (based on last 7 days)	Number of residents who had daily moderate or severe pain on most recent assessment	All residents with most recent assessment, excluding those who cannot report on most recent assessment	Numerator: Residents with moderate pain at least daily (J2a=2 AND J2b=2) OR horrible/excruciating pain at any frequency (J2b=3) on the target assessment		RAI-MDS
Effective	Keeping People Healthy	Mood	Percentage of residents with worsening symptoms of depression or anxiety	Incidence of worsening depression and anxiety (based on last 7 days)	Number of residents whose Depression Rating Scale (DRS) increased in the last 30 days based on most recent assessment and prior assessment	All residents on most recent assessment and a prior assessment	Residents who have a DRS scale change score that is positive between the prior and target assessments (DRS[t]-DRS[t-1]>0; DRS based on MDS 2.0 elements E1a, d, f, h, i, l, m — last 30 days)		RAI-MDS

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Effective	Keeping People Healthy	Mood	Percentage of residents with multiple symptoms of depression who are not getting drug treatment	Prevalence of depression without anti-depressant therapy (based on last 7 days)	Number of residents with at least 3 symptoms of depression on most recent assessment who are not receiving anti-depressant therapy	All residents on most recent assessment	Numerator: • O4c=0 (no antidepressants AND symptoms of depression) • Symptoms of Depression: E2=1 or 2 (sad mood and at least 2 symptoms of functional depression) • Symptoms of Functional Depression: O4c=0 (no antidepressants AND symptoms of depression) • Symptoms of depression: E2=1 or 2 (sad mood and at least 2 symptoms of functional depression) • Symptoms of Functional Depression: 1) distress E1a=1 or 2 (resident made negative statements), 2) agitation or withdrawal E1n=1 or 2 (repetitive physical movements) OR E4e-Box A=1, 2 or 3 (resists care) OR E1o=1 or 2 (withdrawal from activity) OR E1p=1 or 2 (reduced social interaction), 3) wake with unpleasant mood/wakefulness E1j=1 or 2 (wake with unpleasant mood) OR N1a+N1b+N1c=0 (not awake most of day) OR (N1a+N1b+N1c<=1 (awake 1 period of the day or less) AND b1=0 (not comatose), 4) E1g=1 or 2 (suicidal or has recurrent thoughts of death), 5) K3a=1 (weight loss)		RAI-MDS

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Effective	Keeping People Healthy	Language, Memory, Thinking	Percentage of residents whose language, memory and thinking abilities have recently decreased	Incidence of residents whose cognitive functioning declined since last assessment (based on last 7 days)	Number of residents whose cognitive functioning declined on most recent assessment	All residents in the facility on most recent assessment	Residents with score on cognitive performance scale (CPS, Morris et al., 1994) that is higher on target relative to prior assessment (see above)		RAI-MDS
Effective	Keeping People Healthy	Language, Memory, Thinking	Percentage of residents whose language, memory and thinking abilities have recently increased	Incidence of residents whose cognitive functioning improved since last assessment (based on last 7 days)	Number of residents whose cognitive functioning improved on most recent assessment	All residents in the facility on most recent assessment	Residents with score on cognitive performance scale (CPS, Morris et al., 1994) that is lower on target relative to prior assessment (CPS[t]-CPS[t-1], CPS based on MDS 2.0 elements B1, B2a, B4, C4, G1h(A) — last 7 days/at assessment)		RAI-MDS
Effective	Keeping People Healthy	Weight and Nutrition	Percentage of residents with recent unintended weight loss	Prevalence of weight loss (based on last 30 days and 6 months)	Number of residents with weight loss of 5% or more in last 30 days or 10% or more in last 6 months on most recent assessment	All residents in home on most recent assessment, excluding planned weight loss, end-stage palliative and hospice	Numerator: Residents with weight loss (K3a=1) on target assessment (weight loss of 5% or more in last 30 days or 10% or more in last 180 days)		RAI-MDS
Effective	Keeping People Healthy	Potentially Preventable Emergency Department Visits	Number of potentially preventable emergency department visits for every 100 residents per year	Potentially avoidable emergency department visits by facility	Spring 2010				Institute for Clinical Evaluative Sciences (ICES)

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Safety	Keeping People Safe	Falls	Percentage of residents who had a recent fall	Incidence of falls in the past 30 days prior to assessment (based on last 7 days)	Number of residents who had a fall (in the last 30 days recorded on the target assessment [J4a])	Number of residents with assessments that meet general criteria	Numerator: All residents who had a fall in the last 30 days recorded on the target assessment (J4a[t]=checked)	Facility-level stratification: <ul style="list-style-type: none"> • CMI Resident level covariates: <ul style="list-style-type: none"> • Not totally dependent in transferring • Locomotion problem • PSI: Subset 2 Non-diagnoses • Any wandering • Unsteady gait/cognitive impairment • Age less than 65 years 	RAI-MDS
Safety	Keeping People Safe	Falls	Number of falls per resident per year that result in a visit to an emergency department	Emergency department visits for falls per 100 resident years by Local Health Integration Unit (LHIN)	Spring 2010				ICES
Safety	Keeping People Safe	Pressure Ulcers	Percentage of residents who had a pressure ulcer that recently got worse	Prevalence of worsening pressure ulcers (stage 2 to 4) (based on last 7 days)	Number of residents who had a stage 2 to 4 pressure ulcer on target assessment and the stage was higher on target compared with previous assessment (M2a)	All residents with assessments that meet general criteria, excluding those with stage 4 pressure ulcer on previous assessment (as it cannot get worse)	Numerator: Total number of residents with more severe pressure ulcers on the target assessment (stage 2 to 4) versus the prior assessment (M2a[t] is greater than 1 and greater than M2a[t-1], and M2a[t-1] is less than 4)	Facility level stratification: <ul style="list-style-type: none"> • CMI Resident level covariates: <ul style="list-style-type: none"> • Age less than 65 years • RUG Late Loss ADL 	RAI-MDS

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Safety	Keeping People Safe	Pressure Ulcers	Percentage of residents with a new pressure ulcer (stage 2 or higher)	Incidence of stage 2 to 4 pressure ulcers (based on last 7 days)	Number of residents who had a stage 2 to 4 pressure ulcer on target assessment and no stage 2 to 4 pressure ulcer on previous assessment	All residents with assessments that meet general criteria, excluding those with stage 2 or greater pressure ulcer on previous assessment	Numerator: All residents who had a stage 2 to 4 pressure ulcer on target assessment [m2a gt 1] AND no stage 2 to 4 pressure ulcer on prior assessment [m2a(t-1)<2]	Facility level stratification: <ul style="list-style-type: none"> • CMI Resident level covariates: <ul style="list-style-type: none"> • Age less than 65 years • PSI: Subset 1 Diagnoses • More dependence in toileting • RUG Cognitive Impairment 	RAI-MDS
Safety	Keeping People Safe	Use of Restraints	Percentage of residents who were physically restrained	Prevalence of daily physical restraint (based on last 7 days)	Number of residents who were physically restrained daily on the most recent assessment (including trunk, limb, chair prevents rising)	All residents in facility on most recent assessment	Numerator: Residents who were physically restrained daily (P4c or P4d or P4e=2) on target assessment		RAI-MDS
Safety	Keeping People Safe	Potentially Inappropriate Prescribing	Percentage of aged 65 years or older who were prescribed at least one drug that should be avoided among the elderly	Prevalence of residents who have been prescribed one of the Beers drugs (to be avoided among the elderly) in the year (long acting)	Coming Spring 2010				ICES

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Safety	Keeping People Safe	Potentially Inappropriate Prescribing	Percentage of residents who were prescribed antipsychotic drugs without indications of a psychotic condition	Prevalence of antipsychotic drug use in the absence of psychotic and related conditions (schizophrenia or other psychosis) (based on last 7 days)	Number of residents who were prescribed antipsychotic drugs at least once over 7 days who haven't been diagnosed with schizophrenia or other psychosis	All residents on most recent assessment, except those with psychotic or related conditions	Residents receiving antipsychotics on target assessment (O4a>0 — last 7 days)		RAI-MDS
Safety	Keeping People Safe	Potentially Inappropriate Prescribing	Percentage of residents aged 65 years or older who were prescribed a drug that should never be used among the elderly	Prevalence of residents who have been prescribed one of AHRQ ¹ drugs (elderly are never to be prescribed these) in the year (long acting)	Coming Spring 2010				ICES
Safety	Keeping People Safe	Potentially Inappropriate Prescribing	Percentage of residents on certain anti-anxiety or hypnotic drugs not supported by a specific diagnosis	Prevalence of anti-anxiety/hypnotic drug use (based on last 7 days)	Number of residents who received anti-anxiety/hypnotic drugs on most recent assessment	All residents on most recent assessment, except those with psychotic or related conditions	Prevalence of anti-anxiety/hypnotic drug use (Numerator: O4b or O4d>=1 — last 7 days)		RAI-MDS

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Safety	Keeping People Safe	Inappropriate Behaviour	Percentage of residents whose behaviour has recently worsened	Incidence of worse resident behaviour (based on last 7 days)	Number of residents whose behaviour was worse than previous assessment	All residents on most recent assessment and a prior assessment	Residents with more behavioural symptoms present at target assessment relative to prior assessment (E4 a, b, c, d — last 7 days)		RAI-MDS
Safety	Keeping People Safe	Inappropriate Behaviour	Percentage of residents with inappropriate verbal, physical or social behaviour affecting others	Prevalence of behavioural symptoms affecting others (verbal, physical, socially inappropriate) (based on last 7 days)	Number of residents with behavioural symptoms affecting others on most recent assessment	All residents in the home on most recent assessment	Numerator: E4b, c, d (Box A)=1, 2, 3		RAI-MDS
Safety	Keeping People Safe	Infection	Percentage of residents with a recent bladder infection	Prevalence of urinary tract infections (based on last 30 days)	Number of residents with urinary tract infection on most recent assessment	All residents on most recent assessment	Numerator: Residents with urinary tract infection on target assessment (I2k=checked)		RAI-MDS
Safety	Keeping People Safe	Infection	Percentage of residents with a long-term bladder catheter	Prevalence of in-dwelling catheters (based on last 14 days)	Number of residents with in-dwelling catheter on most recent assessment	All residents in home on most recent assessment	Numerator: Residents with an in-dwelling catheter on target assessment (H3d=checked, based on last 14 days)		RAI-MDS

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Resident-centred	Resident Experience	Overall Quality of Care	Percentage of residents who would recommend their long-term care home to others	Would you recommend this home to others?					The information in this section is based on a survey of 30 long term care homes conducted by researchers at the University of Toronto
Resident-centred	Resident Experience	Home-like Environment	Percentage of residents who feel at home	Do you feel at home?					The information in this section is based on a survey of 30 long term care homes conducted by researchers at the University of Toronto
Resident-centred	Resident Experience	Enough Activities	Percentage of residents who felt there are enough activities during the week and weekend	Are there enough activities during the week and weekend?					The information in this section is based on a survey of 30 long term care homes conducted by researchers at the University of Toronto

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Resident-centred	Resident Experience	Involvement in Decisions	Percentage of residents who felt encouraged to participate in decisions around their care	Are you encouraged to participate in decisions?					The information in this section is based on a survey of 30 long term care homes conducted by researchers at the University of Toronto
Resident-centred	Resident Experience	Staff Responsiveness	Percentage of residents who feel staff promptly answer their call	Do staff members promptly answer your call?					The information in this section is based on a survey of 30 long term care homes conducted by researchers at the University of Toronto
Resident-centred	Resident Experience	Freedom to Speak Up	Percentage of residents comfortable expressing concerns to staff	Do you feel free to speak up when you are unhappy?					The information in this section is based on a survey of 30 long term care homes conducted by researchers at the University of Toronto
Accessible	Access to Long Term Care Homes		Median number of days to long term care home placement	Median days to placement from acute care, community and overall to long term care homes					Ministry of Health and Long Term Care (MOHLTC)

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Accessible	Access to Long Term Care Homes		Percentage of residents placed into a long term care home who received their first choice of home the first time around	Percentage of residents placed into a long term care home who received their first choice of home the first time around					MOHLTC
Appropriately Resourced	Worker Injuries		Number of injuries per 100 long term care workers per year	Number of injuries per 100 long term care workers per year					Workplace Safety and Insurance Board (WSIB)
Appropriately Resourced	Worker Injuries		Number of injuries causing time away from work per 100 long term care workers per year	Number of injuries causing time away from work per 100 long term care workers per year					WSIB
Appropriately Resourced	Staff Satisfaction		Under development						
Appropriately Resourced	Staffing Levels		Under development						