

# APPENDIX A

## SNAPSHOT DEFINITIONS OF NHQI QUALITY MEASURES October 2006

Quality Measure	Numerator	Denominator	Exclusions	Covariates
<b>POST ACUTE CARE (PAC) QUALITY MEASURES: 6 month target period, except for PAC Influenza QM that uses status during Influenza Season (Oct 1 – March 31). PAC QMs are reported on NH Compare for facilities having at least 20 cases in target period/influenza season and one 5-day PPS assessment in the year before the end of target period/influenza season.</b>				
<b>Delirium</b>	Any symptom of delirium: B5a through B5f=2	All residents with 14-day PPS MDS, except those with exclusions	<ol style="list-style-type: none"> <li>1. Comatose (B1=1 or missing)</li> <li>2. End-stage (J5c checked or missing)</li> <li>3. Hospice (P1ao checked or missing)</li> <li>4. QM not triggered and missing data on any delirium item (B5a-B5f)</li> </ol>	No prior residential history (AB5a - AB5e are <u>not</u> checked and AB5f is checked from admission assessment face sheet)
<b>Influenza Vaccination (PAC)</b>  <b>Note: Higher percentages indicate better performance.</b>	Residents in PAC influenza vaccination sample who either: <ol style="list-style-type: none"> <li>a. Received vaccine in the facility (W2a=1) or</li> <li>b. Received vaccine outside of the facility (W2b=2) during the most recently completed influenza season (October 1 – March 31)</li> </ol>	All residents in PAC influenza vaccination sample (a PPS assessment indicates SNF PAC care in the influenza season from Oct. 1 - March 31), except those with exclusions. The target record is the latest OBRA assessment, PPS assessment, or discharge tracking form in influenza vaccination reporting period (Oct. 1 – June 30).	<ol style="list-style-type: none"> <li>1. Resident not in facility during influenza season (W2b=1)</li> <li>2. Not eligible for vaccine (W2b=3)</li> <li>3. Offered vaccine, but declined (W2b=4)</li> <li>4. Facility unable to obtain vaccine (W2b=6)</li> </ol> <p>Note: Residents are not excluded if either or both W2a and W2b have dash (-) values indicating inability to determine.</p>	NA

## APPENDIX A

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<b>Pain (PAC)</b>	In the last seven days, daily pain with at least one episode of moderate pain (J2a=2 and J2b=2) OR excruciating pain at any frequency (J2b=3)	All residents with 14-day PPS MDS, except those with exclusions	1. Missing or inconsistent data on J2a or J2b	NA
<b>Pneumococcal Vaccination (PAC)</b>  <b>Note: Higher percentages indicate better performance.</b>	Residents in PAC pneumococcal vaccination sample who have an up-to-date pneumococcal vaccination: (W3a=1)	All residents in PAC pneumococcal vaccination sample (a PPS assessment indicates SNF PAC care in the 6 month target period), except those with exclusions. The target record is the latest OBRA assessment, PPS assessment, or discharge tracking form in the 6 month target period.	1. Not eligible for vaccine (W3b=1) 2. Offered vaccine, but declined (W3b=2)  Note: Residents are not excluded if either or both W3a and W3b have dash (-) values indicating inability to determine.	NA
<b>Pressure Sores (PAC)</b>	Residents who either: a. Develop a PU: [M2a=0 on 5-day and M2a=1,2,3,or 4 on 14-day] OR b. Whose PU stays the same or worsens between their 5-day and 14-day PPS MDS: [M2a=1,2,3,or 4 on 5-day AND M2a on 14-day > or = M2a on 5-day]	All residents with a 5-day and 14-day PPS MDS, except those with exclusions	1. Missing PU data (M2a)	1. Hx. of resolved PU (M3=1) 2. Limited or greater assistance with bed mobility [G1a(A)=2,3,4,or 8] 3. Bowel Incontinence (H1a=2,3,or 4) 4. Diabetes or peripheral vascular dx. (I1a or I1j checked) 5. Low BMI on 5-day (if $\geq 12$ and $\leq 19$ )

# APPENDIX A

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<b>CHRONIC CARE (CC) QUALITY MEASURES: 3 month target period, except for CC Influenza Vaccination QM that uses Influenza Season (Oct. 1- March 31) status and a 6 month target period for Pneumococcal Vaccination CC QM. CC QMs are reported on NH Compare for facilities having at least 30 cases in target period/influenza season and at least 30 non-PPS quarterly assessments in the year before the end of the target period/influenza season.</b>				
<b>ADL Decline</b>	Residents with decline from prior to target MDS on ADLs when any two decline by at least 1 or any one declines by 2 or more: 1. Bed Mob G1a(A) 2. Transfer G1b(A) 3. Eating G1h(A) 4. Toileting G1i(A) <u>Note:</u> values of 8 are recoded to 4	All residents with target & prior MDS, except those with exclusions	1. All ADLs indicate total dependence (all = 4 or 8) 2. Comatose (B1=1 or missing) 3. End-stage disease (J5c checked or missing) 4. Hospice care (P1ao checked or missing) 5. QM not triggered and missing data on any of the four ADLs	NA
<b>Bedfast</b>	Residents who are bedfast (G6a is checked)	All residents with a target assessment, except those with exclusions	1. Admission assessments (AA8a=01) 2. Bedfast missing (G6a) 3. Comatose (B1=1 or missing)	NA

# APPENDIX A

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<p><b>Depressed or Anxious Worsening</b></p>	<p>Residents Mood Scale Score (MSS) increases from prior to target MDS assessment</p> <p>MSS counts the number of following 8 depression symptoms (scores range from 0 to 8):</p> <ol style="list-style-type: none"> <li>1. Distress: E1a,1c,1e,1f,1g, or 1h &gt;0</li> <li>2. Crying/tearfulness: E1m&gt;0</li> <li>3. Motor agitation: E1n&gt;0</li> <li>4. Leaves food uneaten: K4c checked</li> <li>5. Repetitive health complaints: E1h&gt;0</li> <li>6. Repetitive/recurrent verbalizations: E1a,1c, or1g&gt;0</li> <li>7. Negative Statements: E1a, 1e, or 1f &gt;0</li> <li>8. Mood symptoms not easily altered: E2=2</li> </ol>	<p>All residents with both target &amp; prior MDS, except those with exclusions</p>	<ol style="list-style-type: none"> <li>1. The Mood Scale Score is missing data</li> <li>2. The Mood Scale Score at maximum (value 8) on prior assessment</li> <li>3. Comatose (B1=1 or missing)</li> </ol>	<p>NA</p>

# APPENDIX A

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<b>Incontinence (Low Risk)</b>	Residents who are incontinent of bowel (H1a=3 or 4) or bladder (H1b=3 or 4)	All residents with target assessment and not qualifying as high risk, except those with exclusions	1. High risk residents: <ul style="list-style-type: none"> <li>a. Severe cognitive impairment (B4=3 &amp; B2a=1) OR</li> <li>b. Totally dependent in mobility ADLs G1a(A), G1b(A), AND G1e(A) all = 4 or 8)</li> </ul> 2. Admission assessment (AA8a=01) 3. Comatose (B1=1 or missing) 4. Indwelling catheter (H3d checked or missing) 5. Ostomy (H3i checked or missing) 6. QM not triggered and missing data for H1a or H1b or any high risk items [B4 or B2a and G1a(A), G1b(A), or G1e(A)]	NA
<b>Indwelling Catheters</b>	Residents with indwelling catheters (H3d is checked)	All residents with a target assessment, except those with exclusions	1. Admission assessment (AA8a=01) 2. Missing data on H3d	1. Bowel incontinence on prior MDS (H1a=4) 2. Pressure sores on prior MDS (M2a=3 or 4)

# APPENDIX A

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<p><b>Influenza Vaccination (CC)</b></p> <p><b>Note: Higher percentages indicate better performance.</b></p>	<p>Residents in CC influenza vaccination sample who either:</p> <ul style="list-style-type: none"> <li>a. Received vaccine in the facility (W2a=1) or</li> <li>b. Received vaccine outside of the facility (W2b=2) during the most recently completed influenza season (Oct. 1 – March 31)</li> </ul>	<p>All residents in CC influenza vaccination sample (the pattern of assessments indicates care that is not PPS post acute care in the influenza season from Oct. 1 – March 31), except those with exclusions. The target record is the latest OBRA assessment, PPS assessment, or discharge tracking form in influenza vaccination reporting period (Oct. 1 – June 30).</p>	<ul style="list-style-type: none"> <li>1. Resident not in facility during influenza season (W2b=1)</li> <li>2. Not eligible for vaccine (W2b=3)</li> <li>3. Offered vaccine, but declined (W2b=4)</li> <li>4. Facility unable to obtain vaccine (W2b=6)</li> </ul> <p>Note: Residents are not excluded if either or both W2a and W2b have dash (-) values indicating inability to determine.</p>	<p>NA</p>
<p><b>Mobility Decline</b></p>	<p>Residents locomotion self-performance declines from prior G1e(A) assessment to target assessment G1e(A)</p>	<p>All residents with a target &amp; prior assessment, except those with exclusions</p>	<ul style="list-style-type: none"> <li>1. Locomotion is totally dependent G1e(A)=4 or 8 on prior assessment</li> <li>2. Comatose (B1=1 or missing)</li> <li>3. End-stage disease (J5c checked or missing)</li> <li>4. Hospice care (P1ao checked or missing)</li> <li>5. Missing data on G1e(A)</li> </ul>	<ul style="list-style-type: none"> <li>1. Recent falls (J4a or J4b checked)</li> <li>2. Eating assistance [G1h(A)=3, 4, or 8]</li> <li>3. Toileting assistance [G1i(A)=3, 4, or 8]</li> </ul>
<p><b>Pain (CC)</b></p>	<p>In last seven days, daily pain with at least one episode of moderate pain (J2a=2 AND J2b=2) OR excruciating pain at any frequency (J2b=3)</p>	<p>All residents with target assessment, except those with exclusions</p>	<ul style="list-style-type: none"> <li>1. Admission assessment (AA8a=01)</li> <li>2. Missing or inconsistent data for pain (J2a or J2b)</li> </ul>	<p>Independence or modified independence in daily decision making on prior MDS B4=0 or 1</p>

# APPENDIX A

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<b>Physical Restraints</b>	Residents with daily physical restraints P4c, P4d or P4e=2	All residents with target assessment, except those with exclusions	<ol style="list-style-type: none"> <li>1. Admission assessment (AA8a=01)</li> <li>2. QM not triggered and missing data on any restraints item (P4c, P4d, or P4e missing)</li> </ol>	NA
<b>Pneumococcal Vaccination (CC)</b>  <b>Note: Higher percentages indicate better performance.</b>	Residents in pneumococcal vaccination sample who have an up-to-date pneumococcal vaccination (W3a=1)	All residents in pneumococcal vaccination sample (the pattern of assessments indicates care that is not PPS post acute care in the 6 month target period), except those with exclusions. The target record is the latest OBRA assessment, PPS assessment, or discharge tracking form in the 6 month target period.	<ol style="list-style-type: none"> <li>1. Not eligible for vaccine (W3b=1)</li> <li>2. Offered vaccine, but declined (W3b=2)</li> </ol> <p>Note: Residents are not excluded if either or both W3a and W3b have dash (-) values indicating inability to determine.</p>	NA
<b>High Risk Pressure Sores</b>	Residents with pressure sores (Stage 1-4) [M2a>0 or I3a-e =707.0]	All residents at high risk with target assessment, except those with exclusions	<ol style="list-style-type: none"> <li>1. Admission assessment (AA8a=01)</li> <li>2. QM not triggered and missing pressure ulcer data (M2a is missing)</li> <li>3. Missing data for high risk stratification data                             <ol style="list-style-type: none"> <li>a. Mobility or transfer [G1a(A) or G1b(A) missing]</li> <li>b. Comatose (B1 missing)</li> </ol> </li> </ol>	<b>Covariates: NA</b> NOTE: This measure is stratified into high & low risk. <b>High Risk</b> defined as residents with any of following: <ol style="list-style-type: none"> <li>a. Impaired transfer or bed mobility G1a(A) or G1b(A)=3, 4, or 8</li> <li>b. Comatose (B1=1)</li> <li>c. Malnutrition on I3a-e = 260, 261, 262, 263.0, 263.1, 263.2, 263.8, or 263.9</li> </ol>

# APPENDIX A

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<b>Low Risk Pressure Sores</b>	Residents with pressure sores (Stage 1-4) [M2a>0 or I3a-e = 707.0]	All residents with target assessment, who are not high risk and do not have any exclusions	<ol style="list-style-type: none"> <li>1. Admission assessment (AA8a=01)</li> <li>2. QM not triggered and missing pressure ulcer data (M2a is missing)</li> <li>3. Residents who are High Risk (i.e., have any of the following conditions):                             <ol style="list-style-type: none"> <li>a. Impaired transfer or bed mobility G1a(A) or G1b(A)=3, 4, or 8</li> <li>b. Comatose (B1=1)</li> <li>c. Malnutrition on I3a-e = 260, 261, 262, 263.0, 263.1, 263.2, 263.8, or 263.9</li> </ol> </li> <li>4. Missing data for High Risk stratification data                             <ol style="list-style-type: none"> <li>a. Mobility or transfer [G1a(A) or G1b(A) missing]</li> <li>b. Comatose (B1 missing)</li> </ol> </li> </ol>	Covariates: NA NOTE: This measure is stratified into high and low risk.  Low Risk defined as any resident who is <u>not</u> High Risk (see above).
<b>Urinary Tract Infections</b>	Residents with urinary tract infection (I2j=checked)	All residents with a target assessment, except those with exclusions	<ol style="list-style-type: none"> <li>1. Admission assessment (AA8a=01)</li> <li>2. Missing data for UTI (I2j is missing)</li> </ol>	NA
<b>Weight Loss</b>	Residents who have experienced weight loss (K3a=1) of 5 percent or more in the last 30 days or 10 percent or more in the last 6 months	All residents with a target assessment, except those with exclusions	<ol style="list-style-type: none"> <li>1. Admission assessment (AA8a=01)</li> <li>2. Missing data for Weight Loss (K3a is missing)</li> <li>3. Hospice care (P1ao checked or missing)</li> </ol>	NA