

Wisconsin Nursing Home Clinical Performance Measurement System

Stakeholder Panel Meeting #2

May 6, 2013

I. Welcome

- A. Introductions**
- B. Meeting Objectives**

II. Candidate Measures (see handout)

- A. CMS measures**
- B. Minnesota measures**
- C. MDS 2.0 measures**
- D. QIS Survey measures**

III. Facility Report Mock-Up (see handout)

- A. Uses CMS MDS 3.0-based quality measures to demonstrate presentation options and issues; actual results for two facilities (identities masked)**
- B. Altered a few measures (e.g., percent of residents receiving immunizations) to maintain a consistent orientation (i.e., large measure values are undesirable)**
- C. Quarterly reporting periods from 2011-Q1 through 2012-Q4**
- D. Facilities are defined by their MDS Fac_ID**

E. Current reporting quarter values

1. Denominator of the measure (to assess credibility of observed measure; see "QM_Stdev" tab in spreadsheet)
2. Unadjusted observed performance measure rate
3. Average rates for selected peer groups (statewide, facilities with similar denominators, 4/5-star facilities, user-specified peer group)
4. Percentile ranking within each peer group
5. Number of facilities within each peer group (to assess credibility of the peer group average rates and percentile rankings)
6. Peer groups exclude facilities with denominators less than 5
7. Risk-adjusted measures
 - a) *Regression-based actual-to-expected ratio*
 - b) *Expected rate is based on the mixture of covariate values for residents in the denominator*
 - c) *High/low risk cohort alternative to the actual-to-expected ratio presentation; residents in the denominator are assigned to the high-risk or low-risk group based on their expected rate; unadjusted rates are shown for each risk group*

F. Measure history

1. Quarterly history (8 quarters) of observed rates, actual-to-expected ratios, high/low-risk rates, peer group percentiles, denominators and peer group counts
2. Aggregated values over time
 - a) *CY 2012*
 - b) *CY 2012 minus CY 2011*
3. Highlighted percentiles at/above 90%

IV. Summary and Next Steps

Measure Descriptions

Population	ID	Description
Short Stay	CMS.0676	Percent of Residents Who Self-Report Moderate to Severe Pain (Short Stay)
	CMS.0678	Percent of Residents With Pressure Ulcers That Are New or Worsened (Short Stay)
	CMS.0680	Percent of Residents Not Assessed and Appropriately Given the Seasonal Influenza Vaccine (Short Stay)
	CMS.0682	Percent of Residents Not Assessed and Appropriately Given the Pneumococcal Vaccine (Short Stay)
	CMS.AP02	Percent of Residents Who Newly Received an Antipsychotic Medication (Short Stay)
Long Stay	CMS.0674	Percent of Residents Experiencing One or More Falls with Major Injury (Long Stay)
	CMS.0677	Percent of Residents Who Self-Report Moderate to Severe Pain (Long Stay)
	CMS.0679	Percent of High-Risk Residents With Pressure Ulcers (Long Stay)
	CMS.0681	Percent of Residents Not Assessed and Appropriately Given the Seasonal Influenza Vaccine (Long Stay)
	CMS.0683	Percent of Residents Not Assessed and Appropriately Given the Pneumococcal Vaccine (Long Stay)
	CMS.0684	Percent of Residents With a Urinary Tract Infection (Long Stay)
	CMS.0685	Percent of Low Risk Residents Who Lose Control of Their Bowel or Bladder (Long Stay)
	CMS.0686	Percent of Residents Who Have/Had a Catheter Inserted and Left in Their Bladder (Long Stay)
	CMS.0687	Percent of Residents Who Were Physically Restrained (Long Stay)
	CMS.0688	Percent of Residents Whose Need for Help with Activities of Daily Living Has Increased (Long Stay)
	CMS.0689	Percent of Residents Who Lose Too Much Weight (Long Stay)
	CMS.0690	Percent of Residents Who Have Depressive Symptoms (Long Stay)
	CMS.AP01	Prevalence of Antipsychotic Medication Use (Long Stay)
	CMS.SV01	Prevalence of Falls (Long Stay)
	CMS.SV03	Prevalence of Antianxiety/Hypnotic Use (Long Stay)
	CMS.SV04	Prevalence of Behavior Symptoms Affecting Others (Long Stay)

Wisconsin Nursing Home Clinical Performance Measures - Facility Report

Facility Name: Facility A, City: Smallville, County: Generis, DCA Region: Southeastern, Ownership: Nonprofit Corporation

Certification: Hospital Based, Chain Affiliation: Medicare and Medicaid, No. Yes, User Peer Group: DCA Region

5 Star Rating: Overall: 4, Surveys: 4, QM's: 4, Staffing: 3, RN Staff: 4

RUIG Case Mix: Medicaid: 0.830, All-Resident: 0.170

Average Census: 1079, All-Resident: 1,170, % Medicaid: 39.1

MDS Fac. ID: 1230, Popul: 123, Provider Number: 520000, NPI: 1234567890

Table with columns for Measure ID, Measure Description, and Peer Group Size (2011-Q1 to 2012-Q4).

Table with columns for Measure ID, Measure Description, and User-Specified Peer Group Percentiles (2011-Q1 to 2012-Q4).

Statewide Performance Measures - 2011 to 2012 - By Size of Measure Denominator

Population	ID	Description	Average Measure Ratio					Standard Deviation						
			00-09	10-24	25-49	50-74	75-99	100+	00-09	10-24	25-49	50-74	75-99	100+
Short Stay	CMS.0676	Percent of Residents Who Self-Report Moderate to Severe Pressure Ulcers That Are	0.22	0.23	0.22	0.24	0.23	0.23	0.23	0.12	0.11	0.10	0.09	0.11
	CMS.0678	Percent of Residents Who Self-Report Moderate to Severe Pressure Ulcers That Are	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.12	0.04	0.03	0.02	0.01
	CMS.0680	Percent of Residents Who Were Assessed and Appropriately Assessed	0.85	0.89	0.89	0.88	0.86	0.89	0.89	0.23	0.14	0.13	0.13	0.16
	CMS.0680A	Percent of Residents Who Received the Seasonal Influenza Vaccine	0.71	0.73	0.75	0.72	0.71	0.74	0.74	0.28	0.17	0.14	0.15	0.16
	CMS.0680B	Percent of Residents Who Were Offered and Declined the Seasonal Influenza Vaccine	0.11	0.14	0.13	0.15	0.14	0.14	0.14	0.18	0.13	0.09	0.10	0.09
	CMS.0680C	Percent of Residents Who Did Not Receive, Due to Medical Reasons, the Seasonal Influenza Vaccine	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.03	0.02	0.02	0.01
	CMS.0682	Percent of Residents Assessed and Appropriately Given the Pneumococcal Vaccine	0.84	0.88	0.90	0.90	0.90	0.91	0.91	0.24	0.16	0.12	0.10	0.11
	CMS.0682A	Percent of Residents Who Received the Pneumococcal Vaccine	0.71	0.76	0.77	0.77	0.76	0.77	0.77	0.31	0.17	0.15	0.14	0.15
	CMS.0682B	Percent of Residents Who Were Offered and Declined the Pneumococcal Vaccine	0.10	0.11	0.12	0.12	0.13	0.13	0.13	0.18	0.12	0.10	0.10	0.11
	CMS.0682C	Percent of Residents Who Did Not Receive, Due to Medical Reasons, the Pneumococcal Vaccine	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.03	0.02	0.02	0.02
	CMS.AP02	Percent of Residents Who Newly Received an Antipsychotic Medication	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.10	0.04	0.02	0.02	0.01
	CMS.0674	Percent of Residents Experiencing One or More Falls	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.05	0.04	0.03	0.02	0.02
	CMS.0677	Percent of Residents Who Self-Report Moderate to Severe Pressure Ulcers	0.17	0.16	0.11	0.10	0.11	0.11	0.17	0.19	0.14	0.10	0.09	0.09
	CMS.0679	Percent of High-Risk Residents With Pressure Ulcers	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.18	0.05	0.04	0.04	0.03
Long Stay	CMS.0681	Percent of Residents Assessed and Appropriately Given the Seasonal Influenza Vaccine	0.95	0.95	0.95	0.94	0.94	0.95	0.13	0.10	0.11	0.12	0.12	0.11
	CMS.0681A	Percent of Residents Who Received the Seasonal Influenza Vaccine	0.86	0.86	0.86	0.85	0.85	0.85	0.85	0.23	0.12	0.12	0.13	0.13
	CMS.0681B	Percent of Residents Who Were Offered and Declined the Seasonal Influenza Vaccine	0.07	0.09	0.09	0.09	0.09	0.09	0.09	0.19	0.08	0.07	0.05	0.05
	CMS.0681C	Percent of Residents Who Did Not Receive, Due to Medical Reasons, the Seasonal Influenza Vaccine	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.02	0.02	0.01	0.01
	CMS.0683	Percent of Residents Assessed and Appropriately Given the Pneumococcal Vaccine	0.93	0.97	0.98	0.98	0.98	0.99	0.99	0.17	0.08	0.05	0.05	0.04
	CMS.0683A	Percent of Residents Who Received the Pneumococcal Vaccine	0.82	0.89	0.90	0.90	0.91	0.91	0.91	0.30	0.11	0.08	0.09	0.06
	CMS.0683B	Percent of Residents Who Were Offered and Declined the Pneumococcal Vaccine	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.18	0.09	0.07	0.06	0.05
	CMS.0683C	Percent of Residents Who Did Not Receive, Due to Medical Reasons, the Pneumococcal Vaccine	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.09	0.01	0.02	0.02	0.01
	CMS.0684	Percent of Residents With a Urinary Tract Infection (UTI)	0.17	0.08	0.07	0.07	0.06	0.06	0.06	0.24	0.09	0.05	0.04	0.03
	CMS.0685	Percent of Low Risk Residents Who Lose Control of Bladder	0.39	0.41	0.44	0.45	0.43	0.43	0.27	0.26	0.17	0.14	0.15	0.12
	CMS.0686	Percent of Residents Who Have Had a Catheter Inserted	0.17	0.05	0.04	0.04	0.04	0.04	0.04	0.31	0.06	0.04	0.03	0.03
	CMS.0687	Percent of Residents Who Were Physically Restrained	-	0.02	0.01	0.01	0.01	0.01	0.01	-	0.04	0.02	0.02	0.02
	CMS.0688	Percent of Residents Whose Need for Help with Activities of Daily Living (ADL) Increased	0.16	0.15	0.16	0.16	0.16	0.16	0.16	0.23	0.13	0.09	0.08	0.07
	CMS.0689	Percent of Residents Who Lose Too Much Weight (Lose > 10% of Body Weight)	0.10	0.06	0.07	0.07	0.07	0.07	0.07	0.14	0.08	0.05	0.04	0.04
CMS.0690	Prevalence of Antipsychotic Medication Use (Long Stay)	0.04	0.10	0.08	0.06	0.07	0.07	0.07	0.10	0.13	0.08	0.06	0.10	
CMS.SV01	Prevalence of Falls (Long Stay)	0.27	0.21	0.18	0.19	0.19	0.19	0.19	0.29	0.20	0.10	0.09	0.10	
CMS.SV03	Prevalence of Antianxiety/Hypnotic Use (Long Stay)	0.45	0.42	0.45	0.45	0.45	0.45	0.47	0.27	0.16	0.12	0.10	0.09	
CMS.SV04	Prevalence of Behavior Symptoms Affecting Others (Long Stay)	0.18	0.10	0.09	0.09	0.07	0.07	0.07	0.29	0.09	0.06	0.05	0.05	
			0.23	0.24	0.25	0.23	0.24	0.28	0.25	0.18	0.16	0.15	0.13	

Candidate NH QI's

CHSRA ID	Source	Source ID	NQF ID	CHSRA Domain	Population	Comment	Long Name	Type	Orient.	Data	Assessments
CMS	N013.01.00	0674		Accident	Long Stay		Residents Experiencing One or More Falls with Major Injury	P	Neg	MDS 3.0	Lookback
CMS	N032.01.00	Not Submitted		Accident	Long Stay		Prevalence of Falls	P	Neg	MDS 3.0	Lookback
CAA	1			Behavioral and	All residents	Diff	Delirium			MDS 3.0	OBRA Non-Adm
CMS	13.1			Behavioral and	Medicare	Diff	Short-stay Residents With Delirium	P	Neg	MDS 2.0	14-day
CMS	2.1			Behavioral and	All residents	Diff	Residents Who Have Become More Depressed or Anxious	I	Neg	MDS 2.0	OBRA MR and
CMS	2.3			Behavioral and	All residents	Diff	Prevalence of Symptoms of Depression Without	P	Neg	MDS 2.0	OBRA MR
CMS	N030.01.00	0690		Behavioral and	Long Stay		Residents Who Have Depressive Symptoms	P	Neg	MDS 3.0	Target
CMS	N034.01.00	Not Submitted		Behavioral and	Long Stay		Prevalence of Behavior Symptoms Affecting Others	P	Neg	MDS 3.0	Target
MN	BEHA			Behavioral and	Long Stay	Diff	Worsening Resident Behavior Problems	I	Neg	MDS 3.0	T1 and T2
QCLI	QP043a			Behavioral and	All residents	Diff	Increase in Physical Abuse	I	Neg	MDS 3.0	Admission & 90-
QCLI	QP106a			Behavioral and	All residents	Diff	Increase in Rejection of Care	I	Neg	MDS 3.0	Admission & 90-
QCLI	QP106b			Behavioral and	All residents	Diff	Increase in Rejection of Care	I	Neg	MDS 3.0	Previous & Most
CAA	2			Cognitive	All residents	Diff	Cognitive Loss/Dementia			MDS 3.0	OBRA Comp
CMS	4.1			Cognitive	All residents	Diff	Incidence of Cognitive Impairment	I	Neg	MDS 2.0	OBRA MR and
CAA	4			Communication	All residents	Diff	Communication			MDS 3.0	OBRA Comp
CMS	5.3			Continence	All residents	Diff	Prevalence of Occasional or Frequent Bladder or Bowel	P	Neg	MDS 2.0	OBRA MR
CMS	5.4			Continence	All residents	Diff	Prevalence of Fecal Impaction	P	Neg	MDS 2.0	OBRA MR
CMS	N025.01.00	0685		Continence	Long Stay		Low Risk Residents Who Lose Control of Their Bowel or	P	Neg	MDS 3.0	Target
CMS	N026.01.01	0686		Continence	Long Stay		Residents Who Have/Had a Catheter Inserted and Left in	P	Neg	MDS 3.0	Target and prior
MN	CNTA			Continence	Long Stay	Split	Worsening Bowel Continence	I	Neg	MDS 3.0	T1 and T2
MN	CNTB			Continence	Long Stay	Split	Worsening Bowel Continence	I	Neg	MDS 3.0	T1 and T2
MN	CNTC			Continence	Long Stay	Split	Incidence of Improved or Maintained Bowel Continence	I	Pos	MDS 3.0	T1 and T2
MN	CNTD			Continence	Long Stay	Split	Incidence of Improved or Maintained Bladder Continence	I	Pos	MDS 3.0	T1 and T2
MN	CNTE			Continence	Long Stay	Diff	Prevalence of Occasional to Full Bladder Incontinence	P	Neg	MDS 3.0	T2
MN	CNTF			Continence	Long Stay	Diff	Prevalence of Occasional to Full Bowel Incontinence without	P	Neg	MDS 3.0	T2
QCLI	QP047			Continence	All residents	Diff	Continence Decline Since Admission	I	Neg	MDS 3.0	Admission & 90-
CAA	15			Dental	All residents	Diff	Dental Care			MDS 3.0	OBRA Comp
QCLI	QP217			Dental	All residents	Diff	Oral/Dental Problems	P	Neg	MDS 3.0	Most Recent Full
CMS	3.1			Drugs	All residents	Diff	Use of 9 or More Different Medications	P	Neg	MDS 2.0	OBRA MR
CMS	9.2			Functioning	All residents	Diff	Residents Who Spend Most of Their Time in a Bed or in a	P	Neg	MDS 2.0	OBRA MR
CMS	9.3			Functioning	All residents	Diff	Residents Whose Ability to Move in and Around Their Room	I	Neg	MDS 2.0	OBRA MR and
CMS	9.4			Functioning	All residents	Diff	Incidence of decline in ROM	I	Neg	MDS 2.0	OBRA MR and
CMS	N028.01.00	0688		Functioning	Long Stay		Residents Whose Need for Help with Activities of Daily Living	I	Neg	MDS 3.0	Target and prior
MN	ADLB			Functioning	Long Stay	Diff	Improved Ability to Function	I	Pos	MDS 3.0	T1 and T2
MN	MOBA			Functioning	Long Stay	Diff	Worsening Ability to Move Around Room	I	Neg	MDS 3.0	T1 and T2
MN	ROMA			Functioning	Long Stay	Diff	Incidence of Worsening or Serious Range of Motion	I	Neg	MDS 3.0	T1 and T2
MN	WALX			Functioning	Long Stay	Diff	Walking as Well or Better than on Previous Assessment	I	Neg	MDS 3.0	T1 and T2
QCLI	QP018			Functioning	All residents	Diff	Incidence of decline in Range of Motion	I	Pos	MDS 3.0	T1 and T2
QCLI	QP027			Functioning	All residents	Diff	Dressing Decline Since Admission	I	Neg	MDS 3.0	Previous & Most
QCLI	QP028a			Functioning	All residents	Diff	Dressing Decline Since Admission	I	Neg	MDS 3.0	Admission & 90-
QCLI	QP028b			Functioning	All residents	Diff	Dressing Severe Decline	I	Neg	MDS 3.0	Admission & 90-
QCLI	QP031			Functioning	All residents	Diff	Dressing Severe Decline	I	Neg	MDS 3.0	Previous & Most
QCLI	QP034			Functioning	All residents	Diff	Eating Decline Since Admission	I	Neg	MDS 3.0	Admission & 90-
QCLI	QP038			Functioning	All residents	Diff	Toileting Decline Since Admission	I	Neg	MDS 3.0	Admission & 90-
QCLI	QP039a			Functioning	All residents	Diff	Locomotion Decline Since Admission	I	Neg	MDS 3.0	Admission & 90-
QCLI	QP039b			Functioning	All residents	Diff	Locomotion Severe Decline	I	Neg	MDS 3.0	Admission & Most
CAA	14			Hydration	All residents	Diff	Dehydration/Fluid Maintenance	I	Neg	MDS 3.0	OBRA Comp

Candidate NH QI's

CHSRA ID	Source	Source ID	NOF ID	CHSRA Domain	Population	Comment	Long Name	Type	Orient.	Data	Assessments
CMS	7.3			Hydration	All residents	Diff	Prevalence of Dehydration	P	Neg	MDS 2.0	OBRA MR
QCLI	QP015			Hydration	All residents	Diff	Prevalence of Dehydration	P	Neg	MDS 3.0	OBRA MR
CMS	N003.01.00	0680		Immunization	Short Stay		Residents Who Were Assessed and Appropriately Given the	P	Pos	MDS 3.0	Target
CMS	N004.01.00	0680A		Immunization	Short Stay		Residents Who Received the Seasonal Influenza Vaccine	P	Pos	MDS 3.0	Target
CMS	N005.01.00	0680B		Immunization	Short Stay		Residents Who Were Offered and Declined the Seasonal	P	Pos	MDS 3.0	Target
CMS	N006.01.00	0680C		Immunization	Short Stay		Residents Who Did Not Receive, Due to Medical	P	Pos	MDS 3.0	Target
CMS	N007.01.00	0682		Immunization	Short Stay		Residents Assessed and Appropriately Given the	P	Pos	MDS 3.0	Target
CMS	N008.01.00	0682A		Immunization	Short Stay		Residents Who Received the Pneumococcal Vaccine	P	Pos	MDS 3.0	Target
CMS	N009.01.00	0682B		Immunization	Short Stay		Residents Who Were Offered and Declined the Pneumococcal	P	Pos	MDS 3.0	Target
CMS	N010.01.00	0682C		Immunization	Short Stay		Residents Who Did Not Receive, Due to Medical	P	Pos	MDS 3.0	Target
CMS	N016.01.00	0681		Immunization	Long Stay		Residents Assessed and Appropriately Given the Seasonal	P	Pos	MDS 3.0	Target
CMS	N017.01.00	0681A		Immunization	Long Stay		Residents Assessed and Appropriately Given the Seasonal	P	Pos	MDS 3.0	Target
CMS	N018.01.00	0681B		Immunization	Long Stay		Residents Who Received the Seasonal Influenza Vaccine	P	Pos	MDS 3.0	Target
CMS	N019.01.00	0681C		Immunization	Long Stay		Residents Who Were Offered and Declined the Seasonal	P	Pos	MDS 3.0	Target
CMS	N020.01.00	0683		Immunization	Long Stay		Residents Who Did Not Receive, Due to Medical	P	Pos	MDS 3.0	Target
CMS	N021.01.00	0683A		Immunization	Long Stay		Residents Assessed and Appropriately Given the	P	Pos	MDS 3.0	Target
CMS	N022.01.00	0683B		Immunization	Long Stay		Residents Who Received the Pneumococcal Vaccine	P	Pos	MDS 3.0	Target
CMS	N023.01.00	0683C		Immunization	Long Stay		Residents Who Were Offered and Declined the Pneumococcal	P	Pos	MDS 3.0	Target
CMS	N024.01.00	0684		Infection	Long Stay		Residents Who Did Not Receive, Due to Medical	P	Pos	MDS 3.0	Target
MN	INFX			Infection	Long Stay	Diff	Residents With a Urinary Tract Infection	P	Neg	MDS 3.0	Target
QCLI	QP061			Infection	Long Stay	Diff	Prevalence of Infections	P	Neg	MDS 3.0	Target
CAA	13			Nutrition	All residents	Diff	Wound Infection	P	Neg	MDS 3.0	T2
CMS	7.2			Nutrition	All residents	Diff	Feeding Tubes	P	Neg	MDS 3.0	Most Recent MDS
CMS	N029.01.00	0689		Nutrition	All residents	Diff	Prevalence of Tube Feeding	P	Neg	MDS 3.0	OBRA Comp
QCLI	QP014			Nutrition	Long Stay		Residents Who Lose Too Much Weight	P	Neg	MDS 2.0	OBRA MR
CMS	N001.01.00	0676		Pain	All residents	Diff	QPO14 Removed due to April 2012 MDS changes	P	Neg	MDS 3.0	Target
CMS	N012.01.00	0675(withdrawn)		Pain	Short Stay		Residents Who Self-Report Moderate to Severe Pain	P	Neg	MDS 3.0	Most Recent MDS
CMS	N014.01.01	0677		Pain	Short Stay		Residents on a Scheduled Pain Medication Regimen on	P	Neg	MDS 3.0	Target
CMS	10.3			Psychotropics	Long Stay	Diff	Residents Who Self-Report Moderate to Severe Pain	I	Pos	MDS 3.0	Initial and target
CMS	N011.01.00	Not Submitted		Psychotropics	All residents		Prevalence of Hypnotic Use More Than Two Times in the Last	P	Neg	MDS 3.0	Target and prior
CMS	N031.01.00	Not Submitted		Psychotropics	Short Stay		Percent of Residents Who Newly Received an Antipsychotic	I	Neg	MDS 3.0	OBRA MR
CMS	N031.02.00	Not Submitted		Psychotropics	Long Stay		Prevalence of Psychoactive Medication Use, in the Absence of	P	Neg	MDS 3.0	Initial, target and
CMS	N033.01.00	Not Submitted		Psychotropics	Long Stay		Prevalence of Antipsychotic Medication Use	P	Neg	MDS 3.0	Target and prior
MN	DRG1			Psychotropics	Long Stay	Diff	Prevalence of Antianxiety/Hypnotic Use	P	Neg	MDS 3.0	Target and prior
CAA	10			QOL	Short Stay	Diff	Prevalence of Antipsychotics w/o a Psychosis Dx	P	Neg	MDS 3.0	T2
CAA	20			QOL	All residents	Diff	Activities			MDS 3.0	OBRA Comp
CMS	11.2			QOL	All residents	Diff	Return to Community Referral			MDS 3.0	OBRA Comp
CMS	N027.01.00	0687		QOL	All residents	Diff	Prevalence of Little or No Activity	P	Neg	MDS 2.0	OBRA MR
QCLI	QP119			Rehab	Long Stay		Residents Who Were Physically Restrained	P	Neg	MDS 3.0	Target
CAA	3			Sensory	Medicare	Diff	Lack of Transferring Rehabilitation Progress	I	Neg	MDS 3.0	5- & 30-Day MDS
QCLI	QP213			Sensory	All residents	Diff	Visual Function			MDS 3.0	OBRA Comp
QCLI	QP214			Sensory	All residents	Diff	Lack of Corrective Action for Visual Problems	P	Neg	MDS 3.0	Most Recent MDS
CMS	N002.01.01	0678		Skin	All residents	Diff	Lack of Corrective Action for Auditory Problems	P	Neg	MDS 3.0	Most Recent MDS
CMS	N015.01.00	0679		Skin	Short Stay		Residents With Pressure Ulcers That Are New or Worsened	I	Neg	MDS 3.0	Initial and
MN	PRUC			Skin	Long Stay	Split	High-Risk Residents With Pressure Ulcers	P	Neg	MDS 3.0	Target
QCLI	QP024_L			Skin	Long Stay	Diff	Incidence of Cured Pressure Sores	I	Pos	MDS 3.0	T1 and T2
				Skin	All residents	Diff	Prevalence of Stage I-IV Pressure Ulcers	P	Neg	MDS 3.0	Most Recent MDS

Candidate NH QI's

CHSRA ID	Source	Source ID	NQF ID	CHSRA Domain	Population	Comment	Long Name	Type	Orient.	Data	Assessments
MN	FAL1			Accident	Long Stay	Dup	Prevalence of Falls with Major Injury	P	Neg	MDS 3.0	T2
MN	MOD1			Behavioral and	Long Stay	Dup	Prevalence of Depression Symptoms	P	Neg	MDS 3.0	T2
MN	CAT2			Continence	Long Stay	Dup	Prevalence of Indwelling Catheters	P	Neg	MDS 3.0	T2
MN	ADLA			Functioning	Long Stay	Dup	Increased Need for ADL Help	I	Neg	MDS 3.0	T1 and T2
MN	CNT4			Infection	Long Stay	Dup	Prevalence of Urinary Tract Infection	P	Neg	MDS 3.0	T2
MN	WGT1			Nutrition	Long Stay	Dup	Prevalence of Residents with Unexplained Weight Loss	P	Neg	MDS 3.0	T2
MN	PAI1			Pain	Short Stay	Dup	Decrease in Pain when Admitted on a Pain Medication	I	Pos	MDS 3.0	T1 and T2
MN	PAI2			Pain	Short Stay	Dup	Prevalence of Residents Who Report Moderate to Severe Pain	P	Neg	MDS 3.0	T2
MN	PAI3			Pain	Long Stay	Dup	Prevalence of Residents Who Report Moderate to Severe Pain	P	Neg	MDS 3.0	T2
MN	RES1			QOL	Long Stay	Dup	Prevalence of Physical Restraints	P	Neg	MDS 3.0	T2
MN	PRUA			Skin	Short Stay	Dup	Prevalence of New Pressure Sores	P	Neg	MDS 3.0	T2
MN	PRUB			Skin	Long Stay	Dup	Percent of High-Risk Residents with Pressure Ulcers	P	Neg	MDS 3.0	T2

Candidate NH QI's														
CHSRA Source ID	Source ID	NQF ID	CHSRA Domain	Population	Comment	Long Name	Type	OHamt	Data	Assessments	Numerator	Denominator	Exclusions	Full Adjusters
CMS	MS11.01.00	0874	Accident	Long Stay		Residents Experiencing One or More Falls with Major Injury	P	Neg	MDS 3.0	Lookback	Long-stay residents with one or more look-back scan assessments that indicate one or more falls that resulted in major injury (I1500C = [1,2]).	All long-stay nursing home residents with one or more look-back scan assessments except those with exclusions.	Resident is excluded if one of the following is true for all of the look-back scan assessments: 1. The occurrence of falls was not assessed (I1800 = [-]), OR 2. The assessment indicates that a fall occurred (I1800 = [1]) AND the number of falls with major injury was not assessed (I1900C = [-]).	None
CMS	MS12.01.00	Not Submitted	Accident	Long Stay		Prevalence of Falls	P	Neg	MDS 3.0	Lookback	Long-stay residents with one or more lookback assessments that indicate the occurrence of a fall (I1800 = [1]).	All long-stay nursing home residents with one or more look-back scan assessments except those with exclusions.	Resident is excluded if the following is true for all of the look-back scan assessments: 1. The occurrence of falls was not assessed (I1800 = [-]) 2. Short Stay	None
MN	FALL		Accident	Long Stay	Dup	Prevalence of Falls with Major Injury	P	Neg	MDS 3.0	T2	One or more falls with significant injury since admission/prior assessment a. T2.I1500C in (1,2)	ALL RESIDENTS EXCEPT EXCLUSIONS	Resident is not in numerator and any of the following are true: 1. The first assessment is a discharge (AQ310F=10.11). 2. E0200A is equal to [-,-]. 3. E0200B is equal to [-,-]. 4. E0200C is equal to [-,-]. 5. E0800 is equal to [-,-]. 6. E0900 is equal to [-,-].	a. C_CFS b. C_CIFS c. BED_MOB d. P_TRANSER e. P_WALKROOM f. P_WALKCORR g. P_LOCOM_ON h. P_LOCOMOFF i. P_DRESSING j. P_EATING k. P_TOILET l. P_HYGIENE m. P_BATHING n. A_HYPOD o. A_CVA p. A_HIP q. A_PARK r. A_SEIZ s. A_EYES t. C_COMA u. FEMALE v. AGE w. AGE x. LOS
CMS	MS03.01.00	0690	Behavioral and Emotional Status	Long Stay		Residents Who Have Depressive Symptoms	P	Neg	MDS 3.0	Target	Long-stay residents with a selected target assessment where any of the following conditions are met: PART 1: Little interest or pleasure in doing things half or more of the days over the last two weeks is equal or greater than two (D0200A2 = [2,3]) OR Feeling down, depressed, or hopeless half or more of the days over the last two weeks (D0200B2 = [2,3]) PART 2: The resident interview total severity score indicates the presence of depression (D0300 = [1,2,3]). The resident interview assessment of resident mood must meet Part 1 and Part 2 below PART 1: Little interest or pleasure in doing things half or more of the days over the last two weeks is equal or greater than two (D0500A2 = [2,3]) OR Feeling or appearing down, depressed, or hopeless half or more of the days over the last two weeks (D0500B2 = [2,3])	All long-stay residents with a selected target assessment, except those with exclusions.	Resident is not included in the numerator (the resident did not meet the depression symptom conditions for the numerator) AND both of the following are true: 1. D0200A2 = [-,-] OR D0200B2 = [-,-] OR D0500A2 = [-,-] OR D0500B2 = [-,-]	None
CMS	MS04.01.00	Not Submitted	Behavioral and Emotional Status	Long Stay		Prevalence of Behavior Symptoms Affecting Others	P	Neg	MDS 3.0	Target	Long-stay residents with a selected target assessment where any of the following conditions are true: 1. The presence of physical behavioral symptoms directed towards others (E0200A = [1,2,3]), or 2. The presence of verbal behavioral symptoms directed towards others (E0200B = [1,2,3]), or 3. The presence of other behavioral symptoms directed towards others (E0200C = [1,2,3]), or 4. Isolation of care (E0800 = [1,2,3]), or 5. Wandering (E0900 = [1,2,3]).	All residents with a selected target assessment, except those with exclusions.	Resident is not in numerator and any of the following are true: 1. The first assessment is a discharge (AQ310F=10.11). 2. E0200A is equal to [-,-]. 3. E0200B is equal to [-,-]. 4. E0200C is equal to [-,-]. 5. E0800 is equal to [-,-]. 6. E0900 is equal to [-,-].	None
MN	BEHA		Behavioral and Emotional Status	Long Stay	Diff	Wandering Resident Behavior Problems	I	Neg	MDS 3.0	T1 and T2	Increase in physical, verbal or other behavioral symptom's frequency, or all behavioral symptoms were and remained daily a. T2.E0200A > T1.E0200A OR b. T2.E0200B > T1.E0200B OR c. T2.E0200C > T1.E0200C OR d. ALL INDICATORS ARE 3 AT BOTH INTERVALS	ALL RESIDENTS NOT EXCLUDED	Resident is not in numerator and any of the following are true: 1. The first assessment is a discharge (AQ310F=10.11). 2. E0200A is equal to [-,-]. 3. E0200B is equal to [-,-]. 4. E0200C is equal to [-,-]. 5. E0800 is equal to [-,-]. 6. E0900 is equal to [-,-].	a. C_COMBTE b. T2.E0200A = 1 c. Missing Items d. ALL numerator items MISSING at either T1 or T2 e. Short Stay

Candidate NH QI's															
CHSRA Source ID	Source	NQF ID	CHSRA Domain	Population	Comment	Long Name	Type	Orient	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjustors	
QCL	Q104a		Behavioral and Emotional Status	All residents	Diff	Prevalence of Depression Symptoms	I	Neg	MDS 3.0	Admission & 90-Day MDS	Minimalist justification of self-reported depression on PHQ-9, PHQ-9 or self-reported depression on PHQ-9 is SCORE_1 I. D0200A2 <2 AND D0200B2 <2 THEN SCORE_5 II. FOR EACH ITEM D0200A2 through D0200I2 >1 SCORE_1 III. D0100 = 0 THEN SCORE_99 IV. SUM ABOVE SCORES b. SCORE_2 I. D0500A2 <2 AND D0500B2 <2 THEN SCORE_5 II. FOR EACH ITEM D0500A2 through D0500I2 >1 SCORE_1 III. D0100 = 1 THEN SCORE_99 IV. SUM ABOVE SCORES c. SCORE_1 >= 5 OR d. SCORE_2 >= 5	ALL RESIDENTS NOT EXCLUDED	a. Complete I. TZ.8000 = 1 b. Short Stay	a. C. BIDS b. C. CPS c. C. EXTING d. C. KUNIND e. C. MCH f. A. ALZH g. A. DEWT h. FEMALE i. AGE j. LOSQ	
QCL	Q106a		Behavioral and Emotional Status	All residents	Diff	Increase in Physical Abuse	I	Neg	MDS 3.0	Admission & 90-Day MDS	Residents with Admission and 90-day MDS assessments and valid responses at both time points for the "physically abusive behavioral symptom" item. MDS assessments selected are: a 90-day (A0310A-02,04, or 06 or A0310B-05 and A0310F-99) AND the Admission (A0310A-01 or A0310B-01 or 06) and A0310F-99) that precedes the 90-day assessment. If the 90-day assessment is a significant change or correction assessment (A0310A-4 or 6), the difference between the admission and 90-day Assessment Reference Dates (ARD) (A0310J must be at least 1 day but no more than 94 days (with the Admission ARD occurring before the 90-day ARD). If the 90-day assessment is a quarterly assessment (A0310A-2) or 90-day (A0310B-5), the difference between the admission and 90-day ARD must be between 66 and 94 days (inclusive), with the Admission ARD occurring before the 90-day ARD.	Residents with Admission and 90-day MDS assessments and valid responses at both time points for the "Rejection of Care" item. MDS assessments selected are: a 90-day (A0310A-02,04, or 06 or A0310B-05 and A0310F-99) AND the Admission (A0310A-01 or A0310B-01 or 06) and A0310F-99) that precedes the 90-day assessment. If the 90-day assessment is a significant change or correction assessment (A0310A-4 or 6), the difference between the admission and 90-day Assessment Reference Dates (ARD) (A0310J must be at least 1 day but no more than 94 days (with the Admission ARD occurring before the 90-day ARD). If the 90-day assessment is a quarterly assessment (A0310A-2) or 90-day (A0310B-5), the difference between the admission and 90-day ARD must be between 66 and 94 days (inclusive), with the Admission ARD occurring before the 90-day ARD.	a. Admission MDS1 "Physical behavioral symptoms directed toward others" = 3 - behavior at this type occurred daily (E0200A) OR Missing data for E0200A at either time point	None	
QCL	Q106b		Behavioral and Emotional Status	All residents	Diff	Increase in Rejection of Care	I	Neg	MDS 3.0	Previous & Most Recent (excl. Adm. MDS)	Residents with a Previous and Most Recent (excl. Adm.) MDS assessment and valid responses at both time points for the "Rejection of Care" item. MDS assessments selected are: MR (excluding Admission) where (A0310A-02,03,04,05, or 06 or A0310B-02,03,04, or 06) and A0310F-99) AND the second most recent (Prev) where (A0310A-01,02,03,04,05, or 06 or A0310B-01,02,03,04,05, or 06) and A0310F-99). The difference between the Prev and the MR (excl. Adm.) Assessment Reference D	Residents with Admission and 90-day MDS assessments and valid responses at both time points for the "Rejection of Care" item. MDS assessments selected are: a 90-day (A0310A-02,04, or 06 or A0310B-05 and A0310F-99) AND the Admission (A0310A-01 or A0310B-01 or 06) and A0310F-99) that precedes the 90-day assessment. If the 90-day assessment is a significant change or correction assessment (A0310A-4 or 6), the difference between the admission and 90-day Assessment Reference Dates (ARD) (A0310J must be at least 1 day but no more than 94 days (with the Admission ARD occurring before the 90-day ARD). If the 90-day assessment is a quarterly assessment (A0310A-2) or 90-day (A0310B-5), the difference between the admission and 90-day ARD must be between 66 and 94 days (inclusive), with the Admission ARD occurring before the 90-day ARD.	Residents with Admission and 90-day MDS assessments and valid responses at both time points for the "Rejection of Care" item. MDS assessments selected are: a 90-day (A0310A-02,04, or 06 or A0310B-05 and A0310F-99) AND the Admission (A0310A-01 or A0310B-01 or 06) and A0310F-99) that precedes the 90-day assessment. If the 90-day assessment is a significant change or correction assessment (A0310A-4 or 6), the difference between the admission and 90-day Assessment Reference Dates (ARD) (A0310J must be at least 1 day but no more than 94 days (with the Admission ARD occurring before the 90-day ARD). If the 90-day assessment is a quarterly assessment (A0310A-2) or 90-day (A0310B-5), the difference between the admission and 90-day ARD must be between 66 and 94 days (inclusive), with the Admission ARD occurring before the 90-day ARD.	a. Admission MDS1 "Rejection of Care" = 3-behavior of this type occurred daily (E0800) OR If the resident is in the numerator or denominator of QP106b (Increase in Rejection of Care Previous-Most Recent (excl. Adm.) MDS) OR Missing data for E0800 at either time point	None

Candidate NH QI's		CHSRA Source ID	Source ID	NQF ID	CHSRA Domain	Population	Comment	Long Name	Type	Orighl	Data	Assessments	Numerator	Denominator	Exclusions	Mile Adjusters
CHSRA Source ID	CMS	NQ26.01.01	0686		Continence	Long Stay	Residents Who Have/had a Catheter Inserted and Left in Their Bladder	Low Risk Residents Who Lose Control of Their Bowel or Bladder	P	Neg	MDS 3.0	Target and prior	Long stay residents with a selected target assessment that indicates frequency or always incontinence of the bladder (H0300 = 1, 2, 3) or bowel (H0400 = 1, 2, 3).	All long-stay residents with a selected target assessment, except those with exclusions.	1. Target assessment is an admission assessment (A0310A = 01) or a PPS 5-day or readmission/return assessment (A0310B = 01, 06E). 2. Resident is not in numerator and H0300 = 0 or H0400 = 1. 3. Residents who have any of the following high risk conditions: a. Severe cognitive impairment on the target assessment as indicated by (C1000 = 03) and N1700 = 01) OR (C0500 = 17). b. Totally dependent in bed mobility self-performance (G011001 = 4, 7, 8). c. Totally dependent in transfer self-performance (G011001 = 4, 7, 8). d. Totally dependent in locomotion on unit self-performance (G0110E1 = 4, 7, 8). 4. Resident does not qualify as high risk (see #3 above) and both of the following two conditions are true for the target assessment: a. C0300 = 09, ^, -, and b. C0700 = 1, -, or C1000 = 1, -, and c. Resident does not qualify as high risk (see #3 above) and any of the following three conditions are true: i. G011001 = 1 ii. G0110B1 = 1	None
CHSRA Source ID	MN	CAT2			Continence	Long Stay	Prevalence of Indwelling Catheters	ALL RESIDENTS EXCEPT EXCLUSIONS	P	Neg	MDS 3.0	T2	Indwelling catheter a. T2.H010A = 1	All long-stay residents with a selected target assessment, except those with exclusions.	1. Target assessment is an admission assessment (A0310A = 01) or a PPS 5-day or readmission/return assessment (A0310B = 01, 06E). 2. Resident is not in numerator and H0300 = 0 or H0400 = 1. 3. Residents who have any of the following high risk conditions: a. Severe cognitive impairment on the target assessment as indicated by (C1000 = 03) and N1700 = 01) OR (C0500 = 17). b. Totally dependent in bed mobility self-performance (G011001 = 4, 7, 8). c. Totally dependent in transfer self-performance (G011001 = 4, 7, 8). d. Totally dependent in locomotion on unit self-performance (G0110E1 = 4, 7, 8). 4. Resident does not qualify as high risk (see #3 above) and both of the following two conditions are true for the target assessment: a. C0300 = 09, ^, -, and b. C0700 = 1, -, or C1000 = 1, -, and c. Resident does not qualify as high risk (see #3 above) and any of the following three conditions are true: i. G011001 = 1 ii. G0110B1 = 1	1. Frequent bowel incontinence on prior assessment (H0400 = 2, 3). Covariate = 01 (if H0400 = 2, 3) Covariate = 02 (if H0400 = 0, 1, 9, -). 2. Pressure ulcers at stages 2, 3 or 4 on prior assessment: Covariate = 01 (if any of the following are true: a. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or b. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or c. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or d. Target assessment indicates obstructive uropathy (I1650 = 01) or obstructive uropathy status is missing (I1650 = 0, -). 3. All covariates are missing if no prior assessment is available.
CHSRA Source ID	MN	ONTA			Continence	Long Stay	Prevalence of Indwelling Catheters	ALL RESIDENTS EXCEPT EXCLUSIONS	P	Neg	MDS 3.0	T1 and T2	Increase in bowel incontinence, or remained fully incontinent a. T1.H0400 > T1.H0400 OR b. T1.H0400 = 3 AND T2.H0400 = 3	All residents except exclusions	1. Frequent bowel incontinence on prior assessment (H0400 = 2, 3). Covariate = 01 (if H0400 = 2, 3) Covariate = 02 (if H0400 = 0, 1, 9, -). 2. Pressure ulcers at stages 2, 3 or 4 on prior assessment: Covariate = 01 (if any of the following are true: a. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or b. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or c. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or d. Target assessment indicates obstructive uropathy (I1650 = 01) or obstructive uropathy status is missing (I1650 = 0, -). 3. All covariates are missing if no prior assessment is available.	
CHSRA Source ID	MN	ONTB			Continence	Long Stay	Worsening Bowel Continence	Worsening Bowel Continence	I	Neg	MDS 3.0	T1 and T2	Increase in bladder incontinence, or continued full incontinence a. T2.H0300 > T1.H0300 OR b. T2.H0300 = 3 AND T1.H0300 = 3	All residents except exclusions	1. Frequent bowel incontinence on prior assessment (H0400 = 2, 3). Covariate = 01 (if H0400 = 2, 3) Covariate = 02 (if H0400 = 0, 1, 9, -). 2. Pressure ulcers at stages 2, 3 or 4 on prior assessment: Covariate = 01 (if any of the following are true: a. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or b. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or c. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or d. Target assessment indicates obstructive uropathy (I1650 = 01) or obstructive uropathy status is missing (I1650 = 0, -). 3. All covariates are missing if no prior assessment is available.	
CHSRA Source ID	MN	ONTC			Continence	Long Stay	Incidence of Improved or Maintained Bowel Continence	Incidence of Improved or Maintained Bowel Continence	I	Pos	MDS 3.0	T1 and T2	Improved bowel continence, or continued full bowel continence a. T2.H0400 < T1.H0400 OR b. T2.H0400 = 0 AND T1.H0400 = 0	All residents except exclusions	1. Frequent bowel incontinence on prior assessment (H0400 = 2, 3). Covariate = 01 (if H0400 = 2, 3) Covariate = 02 (if H0400 = 0, 1, 9, -). 2. Pressure ulcers at stages 2, 3 or 4 on prior assessment: Covariate = 01 (if any of the following are true: a. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or b. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or c. M03001 = 1, 2, 3, 4, 5, 6, 7, 8, 9), or d. Target assessment indicates obstructive uropathy (I1650 = 01) or obstructive uropathy status is missing (I1650 = 0, -). 3. All covariates are missing if no prior assessment is available.	

Candidate NH QI's

CSRA Source ID	Source ID	CSRA Domain	Population	Comment	Long Name	Type	Oriant.	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjusters
MN	QNTD	Continence	Long Stay	Split	Incidence of Improved or Maintained Bladder Continence	I	Pos	MDS 3.0 T1 and T2	Improved bladder continence or continued full bladder voiding a. T2.H0300 = 1 AND T1.H0300 = 0 b. T2.H0300 = 0 AND T1.H0300 = 0	ALL RESIDENTS EXCEPT EXCLUSIONS	a. Complete T2 voiding b. Bed Stage Progress c. T2.H1400 = 1 d. C.CCCHA_ON e. Hospice Care f. T2.H0100K3 = 1 OR g. T2.H0100K2 = 1 h. Short Stay i. T2.H0100K1 = 0 j. T2.H0100K0 = 0 k. T2.H0200A = 1 l. T2.H0200C = 1 m. Short Stay	a. C. BIDS b. C. BED_MOB c. TRANSFER d. C. OCCCHA_ON e. FEMALE f. AGE g. LOSQ h. LOSQ i. LOSQ j. FEMALE k. AGE	
MN	QNTD	Continence	Long Stay	Diff	Prevalence of Occasional to Full Bladder Incontinence without a Tolerating Plan	P	Neg	MDS 3.0 T2	Occasional to full bladder incontinence, no voiding plan a. T2.H0200A = 0 OR T2.H0200C = 0 (no voiding plan) AND b. T2.H0300 in (1,2,3)	ALL RESIDENTS EXCEPT EXCLUSIONS	a. Tolerating Independence or Complete Continence b. T2.H0100 = 0 c. T2.H0400 = 0 d. T2.H0100K3 = 1 e. Short Stay	a. LOSQ b. FEMALE c. AGE	
MN	QNTD	Continence	Long Stay	Diff	Prevalence of Occasional to Full Bowel Incontinence without a Tolerating Plan	P	Neg	MDS 3.0 T2	Occasional to full bowel incontinence, no voiding plan a. T2.H0500 = 0 (no voiding plan) AND b. T2.H0400 in (1,2,3)	ALL RESIDENTS EXCEPT EXCLUSIONS	a. Tolerating Independence or Complete Continence b. T2.H0100 = 0 c. T2.H0400 = 0 d. T2.H0100K3 = 1 e. Short Stay	a. LOSQ b. FEMALE c. AGE	
CCU	QPD10	Continence	All residents	Dup	Prevalence of Involving Catheter	P	Neg	MDS 3.0 Most Recent MDS	Residents with a Recent MDS assessment AND "Appliance A, Involving catheter" = 1-Yes.	Residents with a Recent MDS assessment and valid data for the catheter item. MDS assessments selected: Most Recent where (A0310A-01, 02, 03, 04, 05, 06 or A0310B-01, 02, 03, 04, 05, 06) AND A0310F = 0.	a. LOSQ b. FEMALE c. AGE	None	
CCU	QPD07	Continence	All residents	Diff	Continence Diets/Slime Administration	I	Neg	MDS 3.0 Admission & 90-Day MDS	Residents with Admission and 90-day MDS assessments AND "Urinary Continence" on the Admission MDS & 1 or more levels less than on the 90-day MDS.	Residents with Admission and 90-day MDS assessments with valid responses at both time points for the urinary continence item. MDS assessments selected are a 90-day (A0310A-02,04, or 06 or A0310B-05 and A0310B-06) and an admission (A0310A-01 or A0310B-01 or 03) AND (A0310F-99) true precedes the 90-day assessment. If the 90-day assessment is a significant change or correction assessment (A0310A-4 or 6), the difference between the admission and 90-day Assessment Reference Dates (ARD) (A03300) must be at least 1 day but no more than 94 days (with the Admission ARD occurring before the 90-day ARD). If the 90-day assessment is a quarterly assessment (A0310A-2) or 90-day (A0310B-5), the difference between the admission and 90-day ARD must be between 86 and 94 days (inclusive), with the Admission ARD occurring before the 90-day ARD.	[Admission or 90-day MDS] * prognosis-Does the resident have a condition or chronic disease that may result in a life expectancy of less than 6 months? = 1-Yes (11400) OR Missing data on H0300 at either time point	None	
CCU	QPD17	Dental	All residents	Diff	Oral/Dental Problems	P	Neg	MDS 3.0 Most Recent Full MDS	Residents with a Recent Full MDS assessment AND "Broken or loosely fitting full or partial denture" = 1-Yes OR "No natural teeth or tooth fragments" = 1-Yes OR "Abnormal mouth tissue" = 1-Yes OR "Obvious or fleshy cavity or broken natural teeth" = 1-Yes OR "Inflamed or bleeding gums or loose natural teeth" = 1-Yes OR "Abscess or facial pain, discomfort or difficulty with cleaning" = 1-Yes.	Residents with a Recent Full MDS assessment and a valid response to at least one of the seven dental items (a-e, 7). MDS assessments selected: Most Recent Full where (A0310A-01,03,04,05) and A0310F-99.	Missing data for QD00A through QD00E and QD00F (1-None of the above were present) OR QD00E-1-Unable to examine	None	

Candidate NH QI's													
CNSRA ID	Source ID	CNSRA Domain	Population	Comment	Long Name	Type	Orient.	Data	Assessments	Numerator	Denominator	Estimable	Risk Adjustors
0008	N023.01.00	Functioning	Long Stay		Residents Whose Need for Help with Activities of Daily Living Has Increased	I	Neg	MDS 3.0	Target and prior	Long-stay residents with selected target and prior assessment assumptions that indicate the need for help with late-loss Activities of Daily Living (ADL) has increased when the selected ADL items are compared. The four late-loss ADL items are self-performance transfer (G0110B), self-performance transfer (G0110C), and self-performance walking (G0110D), and self-performance sitting (G0110E). An increase is defined as an increase in two or more coding points in one late-loss ADL item or one point increase in coding points in two or more late-loss ADL items. Note that for each of these four ADL items, if the value is equal to (7, 8) on either the target or prior assessment, then recode the item to equal (4) to allow appropriate comparisons. Residents meet the definition of increased need of help with late-loss ADLs if either of the following are true: 1. At least two of the following are true (note that in the notation below, (0) refers to the target assessment and (1) refers to the prior assessment): a. Bed mobility (Level at target assessment (G0110A)(1) - Level at prior assessment (G0110A)(0)) > 0, or b. Bed mobility, Transfer, Eating, and Toileting, one or more needed by 1 step, one has declined by 2 or more steps, or there are already at full dependency and remained there already a. RECODE G0110A1, G0110B1, G0110C1, and G0110D1 at both T1 and T2 so that i. VALUE = 8 THEN 4 ii. VALUE = 7 THEN 0 b. CALCULATE DIFFERENCE (T2.VALUE - T1.VALUE) FOR EACH ITEM c. NUMERATOR IS i. ANY TWO OR MORE DIFF VALUES > 0 OR ii. ALL T2 VALUES = 4 AND ALL T1 VALUES = 4	All residents with a selected target and prior assessment except those with exclusions.	1. All four of the late-loss ADL items indicate total dependence on the prior assessment, as indicated by: Bed Mobility (G0110A) = (4, 7, 8) AND Transferring (G0110B) = (4, 7, 8) AND Eating (G0110C) = (4, 7, 8) AND Toileting (G0110D) = (4, 7, 8). 2. Three of the late-loss ADLs indicate total dependence on the prior assessment, as in #1 AND the fourth late-loss ADL indicates extensive assistance (value 9) on the prior assessment. 3. If resident is comatose (G0100 = 1, -) on the target assessment. 4. Hospice care (G01002 = [1, -]) on the target assessment. 5. The resident is not in the numerator AND Bed Mobility (G0110A) = (-) on the prior or target assessment, OR Transferring (G0110B) = (-) on the prior or target assessment, OR Eating (G0110C) = (-) on the prior or target assessment, OR Toileting (G0110D) = (-) on the prior or target assessment.	a. P_BEDMOB b. P_TRANSFER c. P_EATING d. P_TOILET e. C_BIMS f. C_CPS g. A_CVA h. A_DVA i. A_HEMIP j. A_PARK k. A_PARAP l. FEMALE m. AGE n. FEMALE o. LGSQ
0009	N023.01.00	Functioning	Long Stay	Dup	Increased Need for ADL Help	I	Neg	MDS 3.0	T1 and T2	For Bed Mobility, Transfer, Eating, and Toileting, one or more needed by 1 step, one has declined by 2 or more steps, or there are already at full dependency and remained there already a. RECODE G0110A1, G0110B1, G0110C1, and G0110D1 at both T1 and T2 so that i. VALUE = 8 THEN 4 ii. VALUE = 7 THEN 0 b. CALCULATE DIFFERENCE (T2.VALUE - T1.VALUE) FOR EACH ITEM c. NUMERATOR IS i. ANY TWO OR MORE DIFF VALUES > 0 OR ii. ALL T2 VALUES = 4 AND ALL T1 VALUES = 4	ALL RESIDENTS EXCEPT EXCLUSIONS	a. Comatose i. T2.B0100 = 1 b. End Stage Prognosis i. T2.J1400 = 1 c. Hospice Care i. T2.00100K1 = 1 OR ii. T2.00100K2 = 1 d. Quadriga i. T2.J15100 = 1 e. Missing Items i. ALL numerator items MISSING at either T1 or T2 f. Short Stay i. AGE ii. FEMALE iii. LGSQ	a. P_BEDMOB b. P_TRANSFER c. P_EATING d. P_TOILET e. C_BIMS f. C_CPS g. A_CVA h. A_DVA i. A_HEMIP j. A_PARK k. A_PARAP l. FEMALE m. AGE n. FEMALE o. LGSQ
0010	N023.01.00	Functioning	Long Stay	Diff	Improved Ability to Function	I	Pos	MDS 3.0	T1 and T2	For Bed Mobility, Transfer, Locomotion on Unit, Dressing, Eating, Toileting, and Hygiene, Numerator triggered on decrease in sum of scores or continued total increase in all ADLs a. SCORE functioning at T2 and T1 b. SCORE 4 when ADL item in (4,8) c. SCORE 0 when ADL item = 7 d. SCORE MISSING when ADL item & MISSING e. ITEMS SCORED = (G0110A1, G0110B1, G0110C1, G0110D1, G0110E1, G0110F1, G0110G1, G0110H1, G0110I1, G0110J1) f. T2.SCORE = 0 AND T1.SCORE = 0	ALL RESIDENTS EXCEPT EXCLUSIONS	a. End Stage Prognosis i. T2.J1400 = 1 b. Hospice Care i. T2.00100K1 = 1 OR ii. T2.00100K2 = 1 c. Short Stay	a. C_BIMS b. C_CPS c. A_ALZH d. C_CODA e. A_CVA f. A_HEMIP g. A_PARK h. A_PARAP i. FEMALE j. AGE k. LGSQ
0011	N023.01.00	Functioning	Long Stay	Diff	Worsening Ability to Move Around Room	I	Neg	MDS 3.0	T1 and T2	Increased dependence or continued total dependence in locomotion on Unit a. G010E1 = 8 THEN 4 b. G010E1 = 7 THEN 0 c. BOTH VALUES = 4	ALL RESIDENTS EXCEPT EXCLUSIONS	a. Comatose i. T2.B0100 = 1 b. End Stage Prognosis i. T2.J1400 = 1 c. Hospice Care i. T2.00100K1 = 1 OR ii. T2.00100K2 = 1 d. Quadriga i. T2.J15100 = 1 e. Missing Items i. T1.G0110E1 & MISSING AND T2.G0110E1 > 0 f. Short Stay	a. A_ARTHR b. A_PARAP c. A_HEMIP d. A_CVA e. A_PARK f. A_HIPFRAC g. FEMALE h. AGE i. LGSQ
0012	N023.01.00	Functioning	Long Stay	Diff	Incidence of Worsening or Serious Range of Motion Limitation	I	Neg	MDS 3.0	T1 and T2	Increase in ROM limitation or continued bilateral impairment of both upper & lower extremities a. (T2.G0400A - T2.G0400B) > (T1.G0400A + T1.G0400B) OR b. G0400A = 3 AND T1.G0400B = 2 AND T2.G0400A = 2 AND T1.G0400B = 2	ALL RESIDENTS EXCEPT EXCLUSIONS	a. Quadriga i. T2.J15100 = 1 b. Missing Items i. BOTH ITEMS are MISSING at either T1 or T2 c. Short Stay	a. C_BIMS b. C_CPS c. A_ARTHR d. A_PARAP e. A_HEMIP f. A_QUADP g. A_CVA h. A_PARK i. A_MG j. C_CODA k. FEMALE l. AGE m. LGSQ

Candidate NH QI's													
CHSRA Source ID	Source #	WALX	Population	Comment	Long Name	Type	Orient	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjustors
Q0017	Q0017	Q0017	All residents	Dup	Walking as Well or Better than on Previous Assessment	I	Pos	MDS 3.0	T1 and T2	Walking in Room/Walking in Corridor ADL maintained or improved walking independence a. RECODE G011001 and G011001 at both T1 and T2 b. VALUE = 8 THEN 4 c. CHOOSE LOWER OF C/D RECORDED VALUES AT T1 d. CHOOSE LOWER OF C/D RECORDED VALUES AT T2 e. VALUE = 7 THEN 0 f. CHOOSE LOWER OF C/D RECORDED VALUES AT T1 g. CHOOSE LOWER OF C/D RECORDED VALUES AT T2 h. VALUE = 13 VALUE AND i. VALUE = 4 AND T2 VALUE = 4	ALL RESIDENTS EXCEPT EXCLUSIONS	a. Comatose b. End Stage Prognosis c. A. CVA d. Hospice Care e. A. PARK f. A. HIPFRAC g. FEMALE h. AGE i. LOSQ	a. ARTHR b. A. PARAP c. A. HEMIP d. A. CVA e. A. PARK f. A. HIPFRAC g. FEMALE h. AGE i. LOSQ
Q0018	Q0018	Q0018	All residents	Diff	Incidence of Decline in Late Loss ADLs	I	Neg	MDS 3.0	Previous & Most Recent (excl. Adm.) MDS	Residents with Previous and Most Recent (excl. Adm.) MDS assessments with valid responses at both time points for at least one of the following items: bed mobility, transfer, eating, toilet use. AND One level decline in TWO or more of the following four late loss ADLs: #1: "Bed mobility, self-performance" on the Previous MDS is 4 or more levels less than on the MR (excl. Adm.) MDS OR #2: "Transfer, self-performance" on the Prev MDS is 1 or more levels less than on the MR (excl. Adm.) MDS OR #3: "Eating, self-performance" on the Prev MDS is 1 or more levels less than on the MR (excl. Adm.) MDS OR #4: "Toilet use, self-performance" on the Prev MDS is 1 or more levels less than on the MR (excl. Adm.) MDS OR Two level decline in ONE or more of the following four late loss ADLs: #1: "Bed mobility, self-performance" on the Prev MDS is 2 or more levels less than on the MR (excl. Adm.) MDS OR #2: "Transfer, self-performance" on the Prev MDS is 2 or more levels less than on the MR (excl. Adm.) MDS AND Functional limitation in range of motion defined as one of the following: "Functional limitation in range of motion: Upper Extremity" = 1, 2 "Functional limitation in range of motion: Lower Extremity" = 1, 2 Limitation on one side, Limitation on both sides OR Functional limitation in range of motion: Lower Extremity = 1, 2 Limitation on one side, Limitation on both sides	Residents with Previous and Most Recent (excl. Adm.) MDS assessments AND Functional limitation in range of motion on the Previous MDS assessment & 1 or more levels less than on the Most Recent (excl. Adm.) MDS assessment. "Functional limitation in range of motion" is defined as one of the following: "Functional limitation in range of motion: Upper Extremity" = 1, 2 "Functional limitation in range of motion: Lower Extremity" = 1, 2 Limitation on one side, Limitation on both sides OR Functional limitation in range of motion: Lower Extremity = 1, 2 Limitation on one side, Limitation on both sides	Residents with Previous and Most Recent (excl. Adm.) MDS assessments and valid responses at both time points for either of the functional limitation in range of motion items: Upper Extremity or Lower Extremity. MDS assessments selected are: MR (excluding Admission) where ((A0310A-02.03.04.05, or 06 or A0310B-02.03.04, or 05) and A0310F-99) AND the second most recent (Prev) where ((A0310A-01.02.03.04.05, or 06) or A0310F-99). The difference between the Prev and the MR (excl. Adm.) Assessment Reference Dates (ARD) must be at least 1 day but no more than 94 days (with the Prev ARD occurring before the MR (excl. Adm.) ARD). Excluding Previous and Most Recent (excl. Adm.) MDS assessments.	None
Q0027	Q0027	Q0027	All residents	Diff	Dressing Decline Since Admission	I	Neg	MDS 3.0	Admission & 90-Day MDS	Residents with Admission and 90-day MDS assessments with valid responses at both time points for the "Dressing self-performance" item. If the 90-day assessment is a significant change or correction (A0310A-4 or 6), the difference between the admission and 90-day assessment reference dates (ARD) (A0310A must be at least 1 day but no more than 94 days with the Admission ARD occurring before the 90-day ARD). If the 90-day assessment is a quarterly assessment (A0310A-2) or 90-day (A0310B-5), the difference between the admission and 90-day ARD must be between 66 and 94 days (inclusive), with the Admission ARD occurring before the 90-day ARD.	Residents with Admission and 90-day MDS assessments with valid responses at both time points for the "Dressing self-performance" item. If the 90-day assessment is a significant change or correction (A0310A-4 or 6), the difference between the admission and 90-day assessment reference dates (ARD) (A0310A must be at least 1 day but no more than 94 days with the Admission ARD occurring before the 90-day ARD). If the 90-day assessment is a quarterly assessment (A0310A-2) or 90-day (A0310B-5), the difference between the admission and 90-day ARD must be between 66 and 94 days (inclusive), with the Admission ARD occurring before the 90-day ARD.	(Admission or 90-day MDS) "Prognosis: Does the resident have a condition or chronic disease that may result in a life expectancy of less than 6 months?" = 1 - Yes (11400) OR (Admission MDS) "Dressing, self-performance" = 4, 7, 8 - Total dependencies. Activity occurred only once or twice, Activity did not occur (8011061) OR Missing data on G011061 at either time point.	None

Candidate NH QI's	Source ID	MOF ID	CMSA Domain	Population	Comment	Long Name	Type	Orient	Data	Assessments	Numerator	Denominator	Excludes	Risk Adjustors
OCU	OP028		Functioning	All residents	Diff	Dressing Severe Decline	I	NEG	MDS 3.0	Admission & 90-day MDS	Residents with Admission and 90-day MDS assessments AND "Dressing, self-performance" on the Admission MDS is 2 or more levels less than on the 90-day MDS.	Residents with Admission and 90-day MDS assessments with valid responses at both time points for the "Dressing-self performance" item. MDS assessments selected are: a 90-day (A0310A-01, 04, or 06 or A0310B-05 and A0310B-01 or 05) and A0310F-99) that precedes the 90-day assessment. If the 90-day assessment is a significant change or correction assessment (A0310A-4 or 6), the difference between the admission and 90-day Assessment Reference Dates (ARD) (A0310F-99) must be at least 1 day but no more than 94 days (with the Admission ARD occurring before the 90-day ARD). If the 90-day assessment is a quarterly assessment (A0310A-2) or 90-day (A0310B-5), the difference between the admission and 90-day ARD must be between 66 and 94 days (inclusive), with the Admission ARD occurring before the 90-day ARD.	[Admission or 90-day MDS] "Prognosis: Does the resident have a condition or chronic disease that may result in a life expectancy of less than 6 months?" = 1 - Yes [1,400] OR [AdmissionMDS] "Dressing, self-performance" = 4, 7, 8 - Extensive assistance, Total dependence, Activity occurred only once or twice, Activity did not occur [G0110G1] OR If the resident is in the numerator or denominator of G0286 (Dressing, Severe Decline) (Prev-Hour Resident (hour, Adm.) Missing data on G0110G1 at either time point	None
OCU	OP026		Functioning	All residents	Diff	Dressing Severe Decline	I	NEG	MDS 3.0	Previous & Most Recent (excl. Adm. MDS)	Residents with Previous and Most Recent (excl. Adm.) MDS assessments with responses at both time points to the "Dressing self-performance" item. MDS assessments selected are: MR (excluding Admission) where (A0310A-02, 03, 04, 05, or 06 or A0310B-02, 03, 04, or 05) and A0310F-99) AND the second most recent (Prev) where (A0310A-01, 02, 03, 04, 05, or 06 or A0310B-01, 02, 03, 04, 05, or 06) and A0310F-99) The difference between the Prev and the MR (excl. Adm.) Assessment Reference Dates (ARD) must be at least 1 day but no more than 94 days (with the Prev ARD occurring before the MR (excl. Adm.) ARD). Previous and Most Recent (excl. Adm.) MDS Excluding Admission	[Prev or MR (excl. Adm.) MDS] "Prognosis: Does the resident have a condition or chronic disease that may result in a life expectancy of less than 6 months?" = 1 - Yes [1,400] OR [Prev MDS] "Dressing, self-performance" = 3, 4, 7, 8 - Extensive assistance, Total dependence, Activity occurred only once or twice, Activity did not occur [G0110G1] OR Missing data on G0110G1 at either time point	None	
OCU	OP031		Functioning	All residents	Diff	Eating Decline Since Admission	I	NEG	MDS 3.0	Admission & 90-Day MDS	Residents with Admission and 90-day MDS assessments with valid responses at both time points for the "Eating-self performance" item. MDS assessments selected are: a 90-day (A0310A-02, 04, or 06 or A0310B-05 and A0310B-01 or 05) and A0310F-99) that precedes the 90-day assessment. If the 90-day assessment is a significant change or correction assessment (A0310A-4 or 6), the difference between the admission and 90-day Assessment Reference Dates (ARD) (A0310F-99) must be at least 1 day but no more than 94 days (with the Admission ARD occurring before the 90-day ARD). If the 90-day assessment is a quarterly assessment (A0310A-2) or 90-day (A0310B-5), the difference between the admission and 90-day ARD must be between 66 and 94 days (inclusive), with the Admission ARD occurring before the 90-day ARD.	[Admission or 90-day MDS] "Prognosis: Does the resident have a condition or chronic disease that may result in a life expectancy of less than 6 months?" = 1 - Yes [1,400] OR [AdmissionMDS] "Eating, self-performance" = 4, 7, 8 - Total dependence, Activity occurred only once or twice, Activity did not occur [G0110H1] OR Missing data on G0110H1 at either time point	None	

Candidate NH QI's													
CHSRA Source ID	Source ID	NGF ID	CHSRA Domain	Population	Comment	Type	Orient	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjustors
QCL	QP034		Functioning	All residents	Diff	Tolerating Decline Since Admission	Neg	MDS 3.0	Admission & 90-Day MDS	Residents with Admission and 90-day MDS assessments AND "Tolerating decline since admission" MDS is 1 or more levels less than on the 90-day MDS.	Residents with Admission and 90-day MDS assessments AND "Tolerating decline since admission" MDS is 1 or more levels less than on the 90-day MDS.	Admission or 90-day MDS "Prognosis: Does the resident have a condition or chronic disease that may result in a life expectancy of less than 6 months?" = 1 - Yes [1400] OR AdmissionMDS "Toliet Use, self-dependence" = 4, 7, 8 - Total dependence, Activity occurred only once or twice, Activity did not occur [G01101] OR Missing data on G01101 at either time point	
QCL	QP038		Functioning	All residents	Diff	Locomotion Decline Since Admission	Neg	MDS 3.0	Admission & 90-Day MDS	Residents with Admission and 90-day MDS assessments AND "Locomotion on unit, self-performance" on the Admission MDS is 1 or more levels less than on the 90-day MDS.	Residents with Admission and 90-day MDS assessments AND valid responses at both time points for the "Locomotion on unit-self performance" item. MDS assessments selected are: a 90-day (A0310A-02,04, or 06) or A0310B-05 and A0310F-99) AND the Admission (A0310A-01 or A0310B-01 or 05) and A0310F-99) that precedes the 90-day assessment. If the 90-day assessment is a quarterly correction assessment (A0310A-4 or 6), the difference between the admission and 90-day Assessment Reference Dates (ARD) must be at least 1 day but no more than 94 days (with the Admission ARD occurring before the 90-day ARD).	[Admission or 90-day MDS] "Prognosis: Does the resident have a condition or chronic disease that may result in a life expectancy of less than 6 months?" = 1 - Yes [1400] OR [AdmissionMDS] "Locomotion on unit, self-performance" = 4, 7, 8 - Total dependence, Activity occurred only once or twice, Activity did not occur [G0110E1] OR Missing data on G0110E1 at either time point	
QCL	QP036a		Functioning	All residents	Diff	Locomotion Severe Decline	Neg	MDS 3.0	Admission & 90-Day MDS	Residents with Admission and 90-day MDS assessments AND "Locomotion on unit, self-performance" on the Admission MDS is 2 or more levels less than on the 90-day MDS.	Residents with Admission and 90-day MDS assessments AND valid responses at both time points for the "Locomotion on unit-self performance" item. MDS assessments selected are: a 90-day (A0310A-02,04, or 06) or A0310B-05 and A0310F-99) AND the Admission (A0310A-01 or A0310B-01 or 05) and A0310F-99) that precedes the 90-day assessment. If the 90-day assessment is a quarterly correction assessment (A0310A-4 or 6), the difference between the admission and 90-day Assessment Reference Dates (ARD) must be at least 1 day but no more than 94 days (with the Admission ARD occurring before the 90-day ARD).	[Admission or 90-day MDS] "Prognosis: Does the resident have a condition or chronic disease that may result in a life expectancy of less than 6 months?" = 1 - Yes [1400] OR [AdmissionMDS] "Locomotion on unit, self-performance" = 3, 4, 7, 8 - Extensive assistance, Total dependence, Activity occurred only once or twice, Activity did not occur [G0110E1] OR If the resident is in the numerator or denominator of QP038b (Locomotion Severe Decline (Previous-Most Recent (excl. Adm.) OR Missing data on G0110E1 at either time point	

Candidate NH QI's		CHSBA Domain		Population		Commitment		Long Name		Type	Orient.	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjustors
CHSBA Source ID	Source ID	NQF ID	CHSBA Domain	Population	Commitment	Long Name	Type	Orient.	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjustors			
OCU	OP098b		Functioning	All residents	DMF	Locomotion Severe Decline	I	Neg	MDS 3.0	Previous & Most Recent MDS	Residents with Previous and Most Recent MDS assessments AND "Previous MDS at 2 or more days less than on the Most Recent (excl. Adm.) MDS.	Residents with Previous and Most Recent MDS assessments with valid responses at both time points for the "Locomotion on unit" path. MDS assessments selected are: MR (excluding A03108-02, 03, 04, 05, or 06 or A03108-09) AND the second most recent (Pre) where (A03104-01, 02, 03, 04, 05, or 06 or A03108-01, 02, 03, 04, 05, or 06) and A0310F-99). The difference between the Pre and the MR (excl. Adm.) Assessment Reference Dates (ARD) (A2300) must be at least 3 day but no more than 94 days (with the Pre ARD occurring before the MR (excl. Adm.) ARD. Pre-previous and MR (excl. Adm.) - Most Recent Excluding Admission.	None				
OCU	OP015		Hydration	All residents	DMF	Prevalence of Dehydration	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND "Hydration (conditional; dehydrated)" = 3-Yes OR "Other current or more detailed diagnosis and ICD-9-CM codes" = 276.5 - Volume depletion	Residents with a Recent MDS assessment and a valid response to the "Problem Conditions Dehydrated" item or valid ICD-9 fields. MDS assessments selected: Most Recent where (A0310A-01, 02, 03, 04, 05, 06 or A0310B-01, 02, 03, 04, 05, 06) and A0310F-99.	Missing data for Problem Conditions: Dehydrated (I85001-80000)	None			
CMS	N003.01.00	0860	Immunization	Short Stay		Residents Who Were Assessed and Appropriately Given the Seasonal Influenza Vaccine	F	Pos	MDS 3.0	Target	Residents meeting any of the following criteria on the selected target assessment: 1. resident received the influenza vaccine during the current or most recent influenza season, either in the facility (00250A = [1]) or outside the facility (00250B = [1]); 2. resident was offered and declined the influenza vaccine (00250C = [1]); or 3. resident was ineligible due to: a. anaphylactic hypersensitivity to eggs or other components of the vaccine, history of Guillain-Barre Syndrome within 6 weeks after a previous influenza vaccination, bone marrow transplant within the past 6 months).	All short-stay residents with a selected target assessment, except those with exclusions.	None				
CMS	N004.01.00	080A	Immunization	Short Stay		Residents Who Received the Seasonal Influenza Vaccine	P	Pos	MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. resident received the influenza vaccine during the current or most recent influenza season, either in the facility (00250A = [1]) or outside the facility (00250B = [1]); 2. resident was offered and declined the influenza vaccine (00250C = [1]).	All short-stay residents with a selected target assessment, except those with exclusions.	None				
CMS	N005.01.00	080B	Immunization	Short Stay		Residents Who Were Offered and Declined the Seasonal Influenza Vaccine	P		MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. resident was offered and declined the influenza vaccine (00250C = [1]).	All short-stay residents with a selected target assessment, except those with exclusions.	None				
CMS	N006.01.00	080C	Immunization	Short Stay		Residents Who Did Not Receive, Due to Medical Contraindication, the Seasonal Influenza Vaccine	F		MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. resident was ineligible due to: a. anaphylactic hypersensitivity to eggs or other components of the vaccine, history of Guillain-Barre Syndrome within 6 weeks after a previous influenza vaccination, bone marrow transplant within the past 6 months).	All short-stay residents with a selected target assessment, except those with exclusions.	None				
CMS	N007.01.00	0692	Immunization	Short Stay		Residents Assessed and Appropriately Given the Pneumococcal Vaccine	P	Pos	MDS 3.0	Target	Residents meeting any of the following criteria on the selected target assessment: 1. PPSV status is up to date (00900A = [1]); or 2. PPSV was offered and declined the vaccine (00900B = [1]); or 3. were ineligible due to medical contraindications (00900C = [1]) (e.g., anaphylactic hypersensitivity to components of the vaccine; bone marrow transplant within the past 12 months; or receiving a course of chemotherapy within the past two weeks).	All short-stay residents with a selected target assessment.	None				
CMS	N008.01.00	0692A	Immunization	Short Stay		Residents Who Received the Pneumococcal Vaccine	P	Pos	MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. PPSV status is up to date (00900A = [1]); 2. PPSV was offered and declined the vaccine (00900B = [1]); or 3. were ineligible due to medical contraindications (00900C = [1]) (e.g., anaphylactic hypersensitivity to components of the vaccine; bone marrow transplant within the past 12 months; or receiving a course of chemotherapy within the past two weeks).	All short-stay residents with a selected target assessment.	None				
CMS	N009.01.00	0682B	Immunization	Short Stay		Residents Who Were Offered and Declined the Pneumococcal Vaccine	P		MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. PPSV status is up to date (00900A = [1]); 2. PPSV was offered and declined the vaccine (00900B = [1]).	All short-stay residents with a selected target assessment.	None				

Candidate NH QI's													
CMSA Source ID	Source ID	CMSA Domain	Population	Comment	Long Name	Type	Origin	Data	Assessments	Numerator	Denominator	Exclusions	Rel. Adjustors
CMS	N010.01.00	Immunization	Short Stay		Residents Who Did Not Receive, Due to Medical Contraindication, the Pneumococcal Vaccine	P	MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. Resident was offered and declined the vaccine (00250C = [1]) (e.g., anaphylactic hypersensitivity to components of the vaccine, bone marrow transplant within the past 12 months, or receiving a course of chemotherapy within the past two weeks).	All long-stay residents with a selected target assessment, except those with exclusions.	None	None	None
CMS	N016.01.00	Immunization	Long Stay		Residents Assessed and Appropriately Given the Seasonal Influenza Vaccine	P	MDS 3.0	Target	Residents meeting any of the following criteria on the selected target assessment: 1. Resident received the influenza vaccine during the current or most recent influenza season, either in the facility (00250A = [1]) or outside the facility (00250C = [2]); or 2. Resident was offered and declined the influenza vaccine (00250C = [4]); or 3. Resident was ineligible due to contraindications (00250C = [3]) (e.g., anaphylactic hypersensitivity to egg proteins or components of the vaccine, Guillain-Barre Syndrome within 6 weeks after a previous influenza vaccination, bone marrow transplant within the past 6 months).	All long-stay residents with a selected target assessment, except those with exclusions.	1. 00250C = [1] (resident not in facility during the current or most recent influenza season).	None	None
CMS	N017.01.00	Immunization	Long Stay		Residents Who Received the Seasonal Influenza Vaccine	P	MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. Resident received the influenza vaccine during the current or most recent influenza season, either in the facility (00250A = [1]) or outside the facility (00250C = [2]).	All long-stay residents with a selected target assessment, except those with exclusions.	1. 00250C = [1] (resident not in facility during the current or most recent influenza season).	None	None
CMS	N018.01.00	Immunization	Long Stay		Residents Who Were Offered and Declined the Seasonal Influenza Vaccine	P	MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. Resident was offered and declined the influenza vaccine (00250C = [4]).	All long-stay residents with a selected target assessment, except those with exclusions.	1. 00250C = [1] (resident not in facility during the current or most recent influenza season).	None	None
CMS	N019.01.00	Immunization	Long Stay		Residents Who Did Not Receive, Due to Medical Contraindication, the Seasonal Influenza Vaccine	P	MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. Resident was ineligible due to contraindications (00250C = [3]) (e.g., anaphylactic hypersensitivity to egg proteins or components of the vaccine, history of Guillain-Barre Syndrome within 6 weeks after a previous influenza vaccination, bone marrow transplant within the past 6 months).	All long-stay residents with a selected target assessment, except those with exclusions.	1. 00250C = [1] (resident not in facility during the current or most recent influenza season).	None	None
CMS	N020.01.00	Immunization	Long Stay		Residents Assessed and Appropriately Given the Pneumococcal Vaccine	P	MDS 3.0	Target	Residents meeting any of the following criteria on the selected target assessment: 1. Have an up to date PPV status (00300A = [1]); or 2. Were offered and declined the vaccine (00300B = [2]); or 3. Were ineligible due to medical contraindications (e.g., anaphylactic hypersensitivity to components of the vaccine; bone marrow transplant within the past 12 months; or receiving a course of chemotherapy within the past two weeks) (00300B = [1]).	All long-stay residents with a selected target assessment, except those with exclusions.	None	None	None
CMS	N021.01.00	Immunization	Long Stay		Residents Who Received the Pneumococcal Vaccine	P	MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. PPV status is up to date (00300A = [1]).	All long-stay residents with a selected target assessment.	None	None	None
CMS	N022.01.00	Immunization	Long Stay		Residents Who Were Offered and Declined the Pneumococcal Vaccine	P	MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. Were offered and declined the vaccine (00300B = [2]).	All long-stay residents with a selected target assessment.	None	None	None
CMS	N023.01.00	Immunization	Long Stay		Residents Who Did Not Receive, Due to Medical Contraindication, the Pneumococcal Vaccine	P	MDS 3.0	Target	Residents meeting the following criteria on the selected target assessment: 1. Were ineligible due to medical contraindications (00300B = [1]) (e.g., anaphylactic hypersensitivity to components of the vaccine; bone marrow transplant within the past 12 months; or receiving a course of chemotherapy within the past two weeks).	All long-stay residents with a selected target assessment.	None	None	None
CMS	N024.01.00	Infection	Long Stay		Residents With a Urinary Tract Infection	P	MDS 3.0	Target	Long-stay residents with a selected target assessment that indicates urinary tract infection within the last 30 days (I2300 = [1]).	All long-stay residents with a selected target assessment, except those with exclusions.	1. Target assessment is an admission assessment (A0310A = [01]) or a PPS 5-day or readmission/return assessment (A0310B = [01, 05]). 2. Urinary tract infection value is missing (I2300 = [1]).	None	a. A_CVA b. A_PAPAP c. A_QUADP d. C_LOCOM_ON e. F_AGE f. AGE g. Short Stay h. LOSQ
MIN	QNT4	Infection	Long Stay	Dup	Prevalence of Urinary Tract Infection	P	MDS 3.0	TZ	UTI in last 30 days h. I2.12300 = 1	ALL RESIDENTS EXCEPT EXCLUSIONS			

Candidate NH QI's															
CHSRA Source ID	Source	Survey ID	MDF ID	CHSRA Domain	Population	Comment	Long Name	Type	Orient	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjustors
MN	INFX			Infection	Long Stay	Diff	Prevalence of Infections	P	Neg	MDS 3.0	72	Presence of one or more of the following: <ul style="list-style-type: none"> a. Infection by pneumonia b. Septicemia c. Urinary tract infection d. Wound infection a. 72.13700 = 1 OR b. 72.12000 = 1 OR c. 72.12300 = 1 OR d. 72.12400 = 1 OR e. 72.12500 = 1	ALL RESIDENTS EXCEPT EXCLUSIONS	a. A_CVA b. A_PARP c. A_QOADP d. C_CCOML ON e. FEMALE f. AGE g. LOSQ h. Short Stay	
QCU	QP012			Infection	All residents	Dup	Prevalence of Urinary Tract Infections	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND "Active Diagnoses: Urinary tract infection" = 1-Yes	Residents with a Recent MDS assessment and valid data for the "Active diagnoses-UTI" item. MDS assessments selected: Most Recent where (A0310A-01, 02, 03, 04, 05, 06 or A0310B-01, 02, 03, 04, 05, 06) and A0310F-99.	None	
QCU	QP061			Infection	All residents	Diff	Wound Infection	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND "Infections: Wound Infection" = 1-Yes.	Residents with a Recent MDS assessment and a valid response to the "Infections-Wound Infection" item.	None	
CMS	W028.01.00	9669		Nutrition	Long Stay		Residents Who Lose Too Much Weight	P	Neg	MDS 3.0	Target	Long-stay nursing home residents with a selected target assessment which indicates a weight loss of 5% or more in the last month or 10% or more in the last 6 months who were not on a physician prescribed weight-loss regimen (J0500 = [2]).	Long-stay nursing home residents with a selected target assessment except those with exclusions.	None	
MN	W071			Nutrition	Long Stay	Dup	Prevalence of Residents with Unexplained Weight Loss	P	Neg	MDS 3.0	72	Weight loss of 10% or more in last 6 months without physician's diet order a. 72.10300 = 2	ALL RESIDENTS EXCEPT EXCLUSIONS	a. C_BIMS b. C_COPS c. C_COW d. C_COWCER e. FEMALE f. AGE g. LOSQ h. Short Stay	
QCU	QP013			Nutrition	All residents	Dup	Prevalence of Weight Loss	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND "Weight Loss of 5% or more in the last month or a loss of 10% or more in last 6 months" = 1-Yes, not on physician-prescribed weight-loss regimen.	Residents with a Recent MDS assessment and valid response for the weight loss item. MDS assessments selected: Most Recent where (A0310A-01, 02, 03, 04, 05, 06 or A0310B-01, 02, 03, 04, 05, 06) and A0310F-99.	None	
QCU	QP014			Nutrition	All residents	Diff	QIP014 Removed due to April 2012 MDS changes	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND "Nutritional Approaches: B. Feeding tube" = 1-Yes.	Residents with a Recent MDS assessment and a valid response to the "Nutritional Approaches-B. Feeding Tube" item.	Missing data for Nutritional Approaches-B. Feeding Tube (J0500B)	None
CMS	W001.01.00	0876		Pain	Short Stay		Residents Who Self-Report Moderate to Severe Pain	P	Neg	MDS 3.0	Target	Short-stay residents with a selected target assessment where the target assessment meets either or both of the following two conditions: 1. Condition #1: resident reports daily pain with frequency of moderate or more/severe pain. Both of the following conditions are met: 1.1. Almost constant or frequent pain (J0600=(1,2)) and 1.2. At least one episode of moderate to severe pain (J0600A=(05,06,07,08,09) OR J0600B=(1,2,3)). 2. Condition #2: resident reports very severe/horrible pain of any frequency (J0600A=(10) OR J0600B=(4)).	All short-stay residents with a selected target assessment. THE MDS DATA ITEM USED TO CALCULATE THIS QCU WAS CHANGED IN THE APRIL 2012 MDS UPDATE. UNTIL ASE-Q15 IS UPDATED (SUMMER/FALL 2012) THIS QCU WILL NOT BE CALCULATED.	If the resident is not included in the numerator (the resident did not meet the pain symptom conditions for the numerator) AND any of the following conditions are true: 1. The pain assessment interview was not completed (J0200=0,1-). 2. The pain assessment item was not completed (J0600=(9,10)). 3. For residents with pain or hurting at any time in the last 5 days (J0500 = [1]), any of the following are true: 3.1 The pain frequency item was not completed (J0400=(9,10)). 3.2 Neither of the pain intensity items was completed (J0600A=(9,10), 1 and J0600B=(9,10)). 3.3 The numeric pain intensity item indicates no pain (J0600A=(0)).	None

Candidate NH QI's		NOF ID	CISRA Domain	Population	Comment	Long Name	Type	Objct.	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjustors
CMS	NO12.01.00	0879	Pain	Short Stay		Residents on a Scheduled Pain Medication Regimen on Admission Who Self-Report a Decrease in Pain Intensity or Frequency	P	Pos	MDS 3.0	Initial and target	Short-stay residents with both an initial assessment and a subsequent target assessment, AND who can self-report on pain (J0200 = [1]) on both the initial assessment and the target assessment, AND who are on a scheduled pain medication regimen on their initial assessment (J0100A = [1]), AND who report reduced pain on their target assessment when compared with their initial assessment	Short-stay residents with both an initial assessment and a subsequent target assessment, AND who can self-report on pain (J0200 = [1]) on both the initial assessment and the target assessment, AND who are on a scheduled pain medication regimen on their initial assessment (J0100A = [1]) on the initial assessment	1. The resident is not included in the numerator AND the value for J0300 or J0400 is (9) or dash (-) indicating not assessed on either the initial or target assessment. 2. The resident is not included in the numerator AND a valid comparison could not be made between the initial and target assessment on either J0300A or J0400A. In order for a valid comparison to be made, at least one of the following must be true: 1. 2.1 Item J0600A must have a value of (0) through (10) on both the initial and target assessments. 2. 2.2 Item J0600B must have a value of (1) through (4) on both the initial and target assessments. 3. There is no opportunity for the pain levels to improve because pain levels were at their lowest level possible on the initial assessment. This will occur if one of the following is true for the initial assessment: 1. 3.1. J0300 = (0) (the resident reports no pain) 2. 3.2. Both the following conditions are true: 1. 3.2.1. J0400 = (4) (pain occurs rarely) AND 2. 3.2.2. J0600A = (0, -, ^) (no pain reported) OR J0600B = (1, 9, ^) (no pain reported)	None
CMS	NO14.01.01	0877	Pain	Long Stay		Residents Who Self-Report Moderate to Severe Pain	P	Neg	MDS 3.0	Target and prior	Long-stay residents with a selected target assessment where the target assessment meets either or both of the following two conditions: 1. Condition #1: resident report almost constant or frequent moderate to severe pain in the last 5 days. Both of the following conditions must be met: 1.1.1. Almost constant or frequent pain (J0400=(2,3)), and 2.1.1.A. At least one episode of moderate to severe pain: (J0600=(05,06,07,08,09) OR J0600B=(2,3)). 2. Condition #2: resident reports very frequent moderate to severe pain or frequency (J0600A=(10) OR J0600B=(4)).	All long-stay residents with a selected target assessment, except those with exclusions.	1. The target assessment is an admission assessment, a PPS 1-day assessment, or a PPS readmission/return assessment (A0310A-(0,1) or A0310B-(0,1,06)). 2. The resident did not meet the pain symptom conditions for the numerator AND any of the following conditions are true: 1. 2.1. The pain assessment interview was not completed (J0200=(0,-)). 2. 2.2. The pain presence item was not completed (J0300=(0,-)). 3. The resident reports no pain or hurting at any time in the last 5 days (J0300 = [1]), any of the following are true: 1. 2.3.1. The pain frequency item was not completed (J0400=(9,-)). 2. 2.3.2. Neither of the pain intensity items was completed (J0600A=(99^,-) and J0600B=(9^,-)). 3. 2.3.3. The numeric pain intensity item indicates no pain (J0600A=(0)).	Independence or modified independence in daily decision making on the prior assessment Covariate = 1 if C1000 = (0, 1) or if (C0500 > [13] and C0500 <= [15]) Covariate = 0 if C1000 = (2, 3) or if (C0500 > [00] and C0500 <= [12]). Covariate = missing if either of the following are true: 1. C0500 = (99,-) and C1000 = (-, ^) 2. No prior assessment is available.
MN	PA11		Pain	Short Stay	Dup	Decrease in Pain when Admitted on a Pain Medication Regimen	P	Pos	MDS 3.0	T1 and T2	Pain medication on admit, and decrease in self-reported pain at discharge a. T1.J0100A (Pain medication at admission) AND b. T2.J0400 < T1.J0400 OR c. T2.J0600A < T1.J0600A OR d. T2.J0600B < T1.J0600B OR e. T2.J0300 = 0	ALL RESIDENTS EXCEPT EXCLUSIONS	a. No prior assessment, or admit/discharge on same assessment b. A_CANCER c. T1 is MISSING OR d. T2 = T1 e. No pain on admission or no drugs on admission f. T1.J0100A = 0 OR g. T1.J0300 = 0 h. T1.J0600A = 0 OR i. T1.J0600B = 0 j. T1.J0300 = 9 k. T1.J0600A = 99^, - AND J0600B = 99^, - AND J0600C = MISSING at either/both T2 and T1 AND l. J0600B is MISSING at either/both T2 and T1 m. Long Stay	a. A_ARTHR b. A_CANCER
MN	PA12		Pain	Short Stay	Dup	Prevalence of Residents Who Report Moderate to Severe Pain	P	Neg	MDS 3.0	T2	Self-reported moderate to severe pain a. T2.J0300 = 1 AND b. T2.J0400 in (1,2) AND T2.J0600A > 4 OR c. T2.J0400 in (1,2) AND T2.J0600B in (2,3) OR d. T2.J0600A >= 8 OR e. T2.J0600B = 4	ALL RESIDENTS EXCEPT EXCLUSIONS	a. NOT Self-report b. T2.J0200 is MISSING OR c. T2.J0200 = 0 OR d. T2.J0300 = 9 e. Missing items f. T2.J0500 = 1 AND g. T2.J0400 is MISSING h. T2.J0500 = 1 AND i. T2.J0400 is MISSING AND j. T2.J0500 is MISSING k. Long Stay	a. A_ARTHR b. A_CANCER
MN	PA13		Pain	Long Stay	Dup	Prevalence of Residents Who Report Moderate to Severe Pain	P	Neg	MDS 3.0	T2	Self-reported moderate to severe pain a. T2.J0300 = 1 AND b. T2.J0400 in (1,2) AND T2.J0600A > 4 OR c. T2.J0400 in (1,2) AND T2.J0600B in (2,3) OR d. T2.J0600A >= 8 OR e. T2.J0600B = 4	ALL RESIDENTS EXCEPT EXCLUSIONS	a. NOT Self-report b. T2.J0200 is MISSING OR c. T2.J0200 = 0 OR d. T2.J0300 = 9 e. Missing items f. T2.J0500 = 1 AND g. T2.J0400 is MISSING h. T2.J0500 = 1 AND i. T2.J0400 is MISSING AND j. T2.J0500 is MISSING k. Long Stay	a. A_ARTHR b. A_CANCER

Candidate NH QI's		Long Name		Type	Client	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjustors
CMS	NR03.01.00	Percent of Residents Who Newly Received an Antipsychotic Medication	Short Stay	P	Neg	MDS 3.0	Initial, target and feedback	Short-stay residents who qualify for the assessment (see below) and for whom the selected target assessment indicates that antipsychotic medication was received: • For assessments with target dates on or before 09/31/2012: N0400A = [1] • For assessments with target dates on or after 04/01/2012: N0410A-[1,2,3,4,5,6,7]	All short-stay residents who do not have exclusions and who meet all of the following conditions: • The resident has a target assessment, and • The resident has an initial assessment, and • The target assessment is not the same as the initial assessment.	1. The following is true for the target assessment: 1.1. For assessments with target dates on or before 09/31/2012: N0400A = [1] 1.2. For assessments with target dates on or after 04/01/2012: N0410A-[1] 2. Any of the following related conditions are present on any assessment in a lookback scan: 2.1. Schizophrenia (66000 = [1]) 2.2. Tourette's Syndrome (69350 = [1]) 2.3. Huntington's Disease (69250 = [1]) 3. The resident's initial assessment indicates antipsychotic medication use: 3.1. For initial assessments with target dates on or before 09/31/2012: N0400A = [1] 3.2. For initial assessments with target dates on or after 04/01/2012: N0410A-[1,2,3,4,5,6,7]	None
CMS	NR03.02.00	Prevalence of Psychoactive Medication Use, in the Absence of Psychotic or Related Conditions	Long Stay	P	Neg	MDS 3.0	Target and prior	Long-stay residents with a selected target assessment where the following condition is true: antipsychotic medications received. This condition is defined as follows: • For assessments with target dates on or before 09/31/2012: N0400A = [1] • For assessments with target dates on or after 04/01/2012: N0410A-[1,2,3,4,5,6,7]	All long-stay residents with a selected target assessment, except those with exclusions.	1. The resident did not qualify for the numerator and any of the following is true: 1.1. For assessments with target dates on or before 09/31/2012: N0400A = [1] 1.2. For assessments with target dates on or after 04/01/2012: N0410A-[1] 2. Any of the following related conditions are present on the target assessment (unless otherwise indicated): 2.1. Schizophrenia (66000 = [1]) 2.2. Tourette's Syndrome (69350 = [1]) 2.3. Huntington's Disease (69250 = [1]) 2.4. Schizophrenia (66000 = [1]) 2.5. Manic depression (bipolar disease) (69500 = [1]) 2.6. Huntington's Disease (69250 = [1]) 2.7. Hallucinations (E0100A = [1])	None
CMS	NR03.03.00	Prevalence of Antipsychotic Medication Use	Long Stay	P	Neg	MDS 3.0	Target and prior	Long-stay residents with a selected target assessment where the following condition is true: antipsychotic medications received. This condition is defined as follows: • For assessments with target dates on or before 09/31/2012: N0400A = [1] • For assessments with target dates on or after 04/01/2012: N0410A-[1,2,3,4,5,6,7]	All long-stay residents with a selected target assessment, except those with exclusions.	1. The resident did not qualify for the numerator and any of the following is true: 1.1. For assessments with target dates on or before 09/31/2012: N0400A = [1] 1.2. For assessments with target dates on or after 04/01/2012: N0410A-[1] 2. Any of the following related conditions are present on the target assessment (unless otherwise indicated): 2.1. Schizophrenia (66000 = [1]) 2.2. Tourette's Syndrome (69350 = [1]) 2.3. Huntington's Disease (69250 = [1]) 2.4. Schizophrenia (66000 = [1]) 2.5. Manic depression (bipolar disease) (69500 = [1]) 2.6. Huntington's Disease (69250 = [1]) 2.7. Hallucinations (E0100A = [1])	None
CMS	NR03.04.00	Prevalence of Antipsychotics w/o a Psychotic Dx	Short Stay	P	Neg	MDS 3.0	T2	Use of antipsychotic medication at least once in the last week a. T2.N0400A > 0 OR T2.N0410A > 0	ALL RESIDENTS EXCEPT EXCLUSIONS	1. The resident did not qualify for the numerator and any of the following is true: 1.1. For assessments with target dates on or before 09/31/2012: N0400B = [1] or N0400D = [1] 1.2. For assessments with target dates on or after 04/01/2012: N0410B = [1] or N0410D = [1] 2. Any of the following related conditions are present on the target assessment (unless otherwise indicated): 2.1. Schizophrenia (66000 = [1]) 2.2. Tourette's Syndrome (69350 = [1]) 2.3. Huntington's Disease (69250 = [1]) 2.4. Schizophrenia (66000 = [1]) 2.5. Manic depression (bipolar disease) (69500 = [1]) 2.6. Huntington's Disease (69250 = [1]) 2.7. Hallucinations (E0100A = [1]) 2.8. Delusions (E0100B = [1]) 2.9. Anxiety disorder (57000 = [1]) 2.10. Post traumatic stress disorder (66100 = [1]) 2.11. Post traumatic stress disorder (66100 = [1]) on the prior assessment if this item is not active on the target assessment and if a prior assessment is available.	a. FEMALE b. AGE c. LOSQ

Candidate NH QI's		CHSRA Domain		Population	Comment	Long Name	Type	Client	Data	Assessments	Numerator	Denominator	Exclusions	Risk Adjusters
QMS	Source ID	0687	QOL	Long Stay		Residents Who Were Physically Restrained	P	Neg	MDS 3.0	Target	Long stay residents with a selected target assessment that indicates daily physical restraints, where: trunk restraint used in bed (P01008 = [2]), OR limb restraint used in bed (P01006 = [2]), OR trunk restraint used in chair or out of bed (P01006 = [2]), OR limb restraint used in chair or out of bed (P01007 = [2]), OR chair prevents rising used in chair or out of bed (P01009) = [2]).	All residents with a target assessment, except those with exclusions.	Resident is not in numerator and any of the following is true: P01008 = [-], OR P01006 = [-], OR P01007 = [-], OR P01009 = [-].	None
MIN	RES1		QOL	Long Stay	Dup	Prevalence of Physical Restraints	P	Neg	MDS 3.0	T2	(Daily use of trunk, limb or chair restraints, NOT including bed rails or other restraints) 1. T2.P01008 = 2 OR 2. T2.P01006 = 2 OR 3. T2.P01007 = 2 OR 4. T2.P01009 = 2 OR 5. T2.P01006 = 2	ALL RESIDENTS EXCEPT EXCLUSIONS	a. Missing Items 1. No numerator item that is present = 1 AND If one or more numerator items are missing b. Short Stay	a. LOSC b. FEMALE c. AGE d. RES_1_Q01_T2_002000-00
QCL	QP022		QOL	All residents	Dup	Prevalence of a Daily Physical Restraint	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND "Physical Restraints: Used in Bed: Trunk restraint" = 2-used daily OR "Physical Restraints: Used in Bed: Limb restraint" = 2-used daily OR "Physical Restraints: Used in Chair or Out of Bed: Trunk restraint" = 2-used daily OR "Physical Restraints: Used in Chair or Out of Bed: Limb restraint" = 2-used daily OR "Physical Restraints: Used in Chair or Out of Bed: Chair prevents rising" = 2-used daily.	Residents with a Recent MDS assessment valid data on the "physical restraints" item. MDS assessments selected: Most Recent where (A0310A-01, 02, 04, 05, 06 or A0310B-01, 02, 03, 04, 05, 06) and A0310F-99.	Missing data on all the Physical Restraints options (P01008, P01006, P01007, P01009; P01006)	None
QCL	QP119		Rehab	Medicare	Diff	Lack of Transferring Rehabilitation Progress	I	Neg	MDS 3.0	5- & 30-Day MDS	Residents with a 5-day and 30-day MDS assessment AND "Transfer, self-performance" on the 5-day MDS is 1, or more levels less than on the 30-day MDS OR "Transfer, self-performance" on the 5-day MDS is the same as on the 30-day MDS AND [(5- or 30-day MDS) "Occupational Therapy (number of days in the last 7 calendar days, count only post admission therapies)" > 1 OR [(5- or 30-day MDS) "Physical Therapy (number of days in the last 7 calendar days, count only post admission therapies)" > 1]	Residents with a 5-day and 30-day MDS assessment AND valid responses to the "transfer-self performance" item at both time points AND [(5- or 30-day MDS) "Occupational Therapy (number of days this therapy was administered for at least 15 minutes a day in the last 7 days)" > 1 OR [(5- or 30-day MDS) "Physical Therapy (number of days this therapy was administered for at least 15 minutes a day in the last 7 days)" > 1] OR MDS assessments selected are: The most recent 30-day (A0309-03 and A0309-04) AND the 30-day (A0310A-01, 02, 04, 05, 06 or A0310B-01, 02, 03, 04, 05, 06) (includes prior to the 30-day assessment.	[(5- or 30-day MDS) "7) episodes: Does the resident have a condition or chronic disease that may result in a life expectancy of less than 6 months" = 1-Yes (1400) OR [(5-day MDS) "Transfer, self-performance" = 0-Independent, 7-Activity occurred only once or twice, 8-Activity did not occur (G0110B1) OR [(30-day MDS) "Transfer, self-performance" = 7-Activity occurred only once or twice, 8-Activity did not occur (G0110B1) OR [(5- or 30-day MDS) D04008 (Therapies-OT) le 1 and D0400C (Therapies-PT) le 1]	None
QCL	QP213		Sensory	All residents	Diff	Lack of Corrective Action for Visual Problems	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND "Vision" = 1, 2- Impaired, Moderately Impaired = 1-Yes AND "Corrective lenses" = 0-No	Residents with a Most Recent MDS assessment AND a valid response on both the "Vision" item and the "Corrective lenses" item. MDS assessments selected: Most Recent where (A0310A-01, 02, 04, 05, 06 or A0310B-01, 02, 03, 04, 05, 06) and A0310F-99.	Comatose" = 1-Yes (B0100-1) OR Missing data on B1000-Vision, B1100-Corrective Lenses, or B0100-Comatose	None
QCL	QP214		Sensory	All residents	Diff	Lack of Corrective Action for Auditory Problems	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND "Ability to hear" = 1, 2- Minimal difficulty, Moderate difficulty AND "Hearing aid or other hearing appliance used" = 0-No.	Residents with a Recent MDS assessment and valid responses on the "Ability to hear" and "Hearing Aid" items. MDS assessments selected: Most Recent where (A0310A-01, 02, 04, 05, 06 or A0310B-01, 02, 03, 04, 05, 06) and A0310F-99.	Comatose" = 1-Yes (B0100-1) OR Missing data on B0200 (Hearing), B0300 (Hearing Aid), or B0100 (Comatose)	None

Candidate NH QI's				Long Name	Type	Orient.	Data	Assessments	Numerator	Denominator	Exclusion	Risk Adjustors			
CISRA ID	Source	Source ID	NQF ID	CISRA Domain	Population	Comment	Long Name	Type	Orient.	Data	Assessments	Numerator	Denominator	Exclusion	Risk Adjustors
0004_H	0004_H	0004_H		Skin	All residents	Dup	Prevalence of Stage I-IV Pressure Ulcers	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND Risk = 1 AND "Unhealed Pressure Ulcer(s)—Does this resident have one or more unhealed ulcer(s) at Stage I or higher?"=1 OR "Additional active diagnoses"=707.07—Decubitus ulcer (Risk=High) If: ("Bed mobility, self performance"=3 or 4—Extensive assistance, Total dependence) OR "Transfer, self performance"=3 or 4—Extensive assistance, Total dependence OR "Comatose"=1=Yes OR "Additional active diagnoses"=260, 261, 262, 263.0, 263.1, 263.2, 263.8, 263.9, 783.7 - Kwashiorkor, Nutritional marasmus, Other severe protein-calorie malnutrition, Malnutrition of moderate degree, Arrested development following protein-calorie malnutrition, Other protein-calorie malnutrition, Unspecified protein-calorie malnutrition, Adult failure to thrive	Residents with a Recent MDS assessment AND Risk=1 and a valid response to the pressure ulcer item. MDS assessments selected: Most Recent where [A0310A=01, 02, 03, 04, 05, 06 or A0310B=01, 02, 03, 04, 05, 06] and A0310F=99.	Missing data on pressure ulcer item [M0210] or the Risk item.	(Risk=High) If: ("Bed mobility, self performance"=3 or 4—Extensive assistance, Total dependence) OR "Transfer, self performance"=3 or 4—Extensive assistance, Total dependence OR "Comatose"=1=Yes OR "Additional active diagnoses"=260, 261, 262, 263.0, 263.1, 263.2, 263.8, 263.9, 783.7 - Kwashiorkor, Nutritional marasmus, Other severe protein-calorie malnutrition, Malnutrition of moderate degree, Arrested development following protein-calorie malnutrition, Other protein-calorie malnutrition, Unspecified protein-calorie malnutrition, Adult failure to thrive
0024_L	0024_L	0024_L		Skin	All residents	Diff	Prevalence of Stage I-IV Pressure Ulcers	P	Neg	MDS 3.0	Most Recent MDS	Residents with a Recent MDS assessment AND Risk = 0 AND "Unhealed Pressure Ulcer(s)—Does this resident have one or more unhealed pressure ulcer(s) at Stage I or higher?"=1 OR "Additional active diagnoses"=707.07—Decubitus ulcer (Risk=Low) If: ("Bed mobility, self performance"=0,1 or 2—Independent, S supervision, or Limited assistance) AND "Transfer, self performance"=0,1 or 2—Independent, Supervision, or Limited Assistance AND "Comatose"=0=No AND "Additional active diagnoses" Not equal to (260, 261, 262, 263.0, 263.1, 263.2, 263.8, 263.9, or 783.7) - Kwashiorkor, Nutritional marasmus, Other severe protein-calorie malnutrition, Malnutrition of moderate degree, Arrested development following protein-calorie malnutrition, Unspecified protein-calorie malnutrition, Adult failure to thrive	Residents with a Recent MDS assessment AND Risk=0 and a valid response to the pressure ulcer item. MDS assessments selected: Most Recent where [A0310A=01, 02, 03, 04, 05, 06 or A0310B=01, 02, 03, 04, 05, 06] and A0310F=99.	Missing data on pressure ulcer item [M0210] or the Risk item.	(Risk=Low) If: ("Bed mobility, self performance"=0,1 or 2—Independent, Supervision, or Limited Assistance) AND "Transfer, self performance"=0,1 or 2—Independent, Supervision, or Limited Assistance AND "Comatose"=0=No AND "Additional active diagnoses" Not equal to (260, 261, 262, 263.0, 263.1, 263.2, 263.8, 263.9, or 783.7) - Kwashiorkor, Nutritional marasmus, Other severe protein-calorie malnutrition, Malnutrition of moderate degree, Arrested development following protein-calorie malnutrition, Unspecified protein-calorie malnutrition, Adult failure to thrive

