

Appendix F

Detailed Description of all Validation Scales

Complex Mental Health Care on Site (JNM) VAL1+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	1	0	Sum of Wgt.	208
50%	2		Mean	2.288462
		Largest	Std. Dev.	1.582959
75%	3	6		
90%	4	7	Variance	2.50576
95%	5	8	Skewness	.6985034
99%	7	8	Kurtosis	3.7569

SCALE DESCRIPTION

This scale captures the breadth of mental health professionals available and that perform liaison work in the facility. The value represented by the scale is the count of the number of four professionals available, and the number of the four that do liaison work: psychiatrist, psychologist geriatric nurse specialist, psychiatric social worker. Numerical values range from 0 to 8, and higher values imply more specialists available. The items for a highly internally consistent set (KR20=0.88).

ITEMS IN SCALE

item	label/description
as13ba	AS 13ba. psychologist available
as13ca	AS 13ca. ger nurse spec available
as13da	AS 13da. psych soc worker available
as13abc	AS 13abc. psychiatrist does liaison
as13bbc	AS 13bbc. psychologist does liaison
as13cbc	AS 13cbc. ger nurse spec does liaison
as13dbc	AS 13dbc. psych soc worker does liaison
as13aa	AS 13aa. psychiatrist available

LEVEL-1 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)
COM01	Communication worsening (LTCQ)
MOD03	Depression new or worse (LTCQ)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
DEL0X	Delirium not remitting (MEGAQI)
BUR0X	Burns abrasions bruises (MEGAQI)
RES01	Restraints (CHSRA)

Monitor Change in Function/Cognitive Care (JNM)
VAL2+

	Percentiles	Smallest		
1%	3	0		
5%	6	1		
10%	7	3	Obs	208
25%	9	3	Sum of Wgt.	208
50%	12		Mean	11.25481
		Largest	Std. Dev.	3.177134
75%	14	16		
90%	15	16	Variance	10.09418
95%	16	16	Skewness	-.7111526
99%	16	16	Kurtosis	3.357183

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to observe and communicate about changes in the resident's cognitive and behavioral functioning or areas related to such functioning (i.e., medications). The numerical value for this scale is the count of the number of sixteen areas where good cognitive or behavioral monitoring is occurring (see list of items.) Higher values imply greater vigilance. The KR20 internal consistency reliability for this scale is 0.77.

ITEMS IN SCALE

item	varlab
as18a	AS 18a. pract-ask resid or family-cog chg?
as18c	AS 18c. pract-ask resid or fam-behav chg?
as18d	AS 18d. pract-obs med changes?
as18e	AS 18e. pract-obs chg in eating, sleeping?
as18g	AS 18g. pract-monit chgs in funct atatus?
as27b1	AS 27b.1 daily repts-behav function
as27d1	AS 27d.1 daily repts-commun change
as27g1	AS 27g.1 daily repts-funct status chge
as28fa	AS 28fa. routin commun change?
as28ia	AS 28ia. routin functional status?
as31	AS 31. look for cognitive status change?
as32a	AS 32a. cogn status monit?-assessments
as32b	AS 32b. cogn status monit?-memory check
as14bb	AS 14bb. num residents in reminisce grp
as18b	AS 18b. pract-chart behav across shifts?
as28ea	AS 28ea. routin behav function?

LEVEL-1 QIs

qi	varlab
----	--------

COG01 Cognition worsening (LTCQ)
COM01 Communication worsening (LTCQ)
ADL01 ADL decline (CHSRA)
ADL02 ADL dec. following imprvnt (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	
Bedfast	Bedfast (CHSRA)

Education on Restraints (Berg) VAL4+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.1730769
		Largest	Std. Dev.	.3792265
75%	0	1		
90%	1	1	Variance	.1438127
95%	1	1	Skewness	1.728317
99%	1	1	Kurtosis	3.98708

SCALE DESCRIPTION

This scale captures the facility's use of educational programs for restraints for licensed and un-licensed staff. The scale is constructed as a count from 0-2 indicating the presence of educational programs regarding restraints from CNAs & LPN/LVN, but the two never occur in the absence of one another when weekly restraint use is present, so the value is a de facto dichotomous indicator of educational programs for restraints. The two educational items are highly correlated (cor=0.86).

ITEMS IN SCALE

item	varlab
as26ja	AS 26ja. rev prog-restraints-cna?
as26jb	AS 26jb. rev prog-restraints-rn,lpn\lvn?
as28kb3	AS 28kb.3 weekly restraints

LEVEL-1 QIs

qi	varlab
RES01	Restraints (CHSRA)

LEVEL-2 QIs

qi	varlab
FAL01	Falls increase (LTCQ)

Communication of Falls (BERG) VAL5+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.1394231
		Largest	Std. Dev.	.3472232
75%	0	1		
90%	1	1	Variance	.1205639
95%	1	1	Skewness	2.081928
99%	1	1	Kurtosis	5.334425

SCALE DESCRIPTION

This scale captures the facility's tendency to use various communication pathways regarding falls of varying level of formality (verbal informal, verbal formal, and written formal). The scale is a dichotomous indicator, taking on a value of 1 if all three pathways are present, 0 otherwise.

Internal consistency reliability is not reported as this scale is not composed as a summary, additive index.

ITEMS IN SCALE

item	varlab
as29a1	AS 29a.1 falls-verb inform
as29a2	AS 29a.2 falls-verb form
as29a3	AS 29a.3 falls-written form

LEVEL-1 QIs

qi	varlab
FAL01	Falls increase (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Licensed Nurse Involved in Care Planning (JNM)
VAL6+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	1	0	Obs	206
25%	2	0	Sum of Wgt.	206
50%	3		Mean	2.203883
		Largest	Std. Dev.	.9961802
75%	3	3		
90%	3	3	Variance	.9923751
95%	3	3	Skewness	-.9209112
99%	3	3	Kurtosis	2.572049

SCALE DESCRIPTION

This scale captures the tendency of staff of varying levels to participate in the care planning process. The numerical value is a sum of three indicators: whether or not the (1) charge nurse, (2) RN's, or (3) LPNs contribute to the care plan. The internal consistency reliability for this scale is (KR20) 0.70.

ITEMS IN SCALE

item	varlab
as9a	AS 9a. chg nurse contrib to pat care plan
as9b	AS 9b. rns contrib to patient care plan
as9c	AS 9c. lpns contrib to patient care plan

LEVEL-1 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)
COM01	Communication worsening (LTCQ)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)

Preventative Activities (JNM) VAL7+

	Percentiles	Smallest		
1%	3	2		
5%	3	2		
10%	4	3	Obs	208
25%	5	3	Sum of Wgt.	208
50%	6		Mean	6.283654
		Largest	Std. Dev.	2.040963
75%	7	11		
90%	9	11	Variance	4.165529
95%	10	11	Skewness	.3853347
99%	11	11	Kurtosis	2.821589

SCALE DESCRIPTION

This scale captures the number of areas relating to preventative activities engaged by facility caregivers. Types of activities include education, training programs for residents, goal setting with residents (see items include for complete list of areas). The numerical value for this scale is the sum of the number of preventative activities practiced by caregivers or facilitated by the institution. The items included form an scale of marginal internal consistency (KR20=0.54).

ITEMS IN SCALE

item	varlab
as14eb	AS 14eb. num residents in dress training
as20b	AS 20b. regular education of residents
as20c	AS 20c. regular education for families
as21d	AS 21d. r\r prog-ambulation, gait train
as21a	AS 21a. r\r programs for eating training
as40	AS 40. obs staff for good ulcer prevent?
as41	AS 41. observe staff for fall prevention?
qi4ca	MRR 4c.a goals for prevent-cognit status
qi4cb	MRR 4c.b goals for prevent-communication
qi4cf	MRR 4c.f goals for prevent-adl improv
qi4cg	MRR 4c.g goals for prevent-adl decline
qi4ch	MRR 4c.h goals for prevent-mobility\walk

LEVEL-1 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)
COM01	Communication worsening (LTCQ)
WAL0X	Walking performance (MEGAQI)

LEVEL-2 QIs

qi	varlab
SOC02	Little or no activities (CHSRA)

Polypharmacy Monitoring (JNM) VAL8+

	Percentiles	Smallest		
1%	1	0		
5%	2	1		
10%	4	1	Obs	208
25%	6	1	Sum of Wgt.	208
50%	7		Mean	7.543269
		Largest	Std. Dev.	3.040476
75%	10	15		
90%	12	15	Variance	9.244496
95%	12	15	Skewness	.1720853
99%	15	16	Kurtosis	2.900126

SCALE DESCRIPTION

This scale represents the facility's commitment to monitoring of medication, in particular psychoactive medication use and associated conditions/features. Sixteen indicators are included (see items included for complete list), including monitoring of delirium, cognitive status, level of formality of communication regarding polypharmacy and adverse drug reactions). The items included form an internally consistent scale (KR20=0.70).

ITEMS IN SCALE

item	varlab
as28cb3	AS 28cb.3 weekly delirium?
as16	AS 16. docum policy-monitor neurolep drugs
as17	AS 17. freq drug use review by med direct
as18d	AS 18d. pract-obs med changes?
as25d	AS 25d. policy rev-use of hi risk meds
as26ia	AS 26ia. rev prog-polypharmac-cna?
as26ib	AS 26ib. rev prog-polypharmac-rn,lpn\lvn?
as28aa	AS 28aa. routin adv drug reaction?
as28ab	AS 28ab.2 adm adv drug reaction
as29e2	AS 29e.2 adverse drug react-verb form
as32a	AS 32a. cogn status monit?-assessments
as32b	AS 32b. cogn status monit?-memory check
as28ab3	AS 28ab.3 weekly adv drug reaction
as29e3	AS 29e.3 adverse drug react-written form
as29e2	AS 29e.2 adverse drug react-verb form
as29e3	AS 29e.3 adverse drug react-written form

LEVEL-1 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)
COM01	Communication worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
DEL0X	Delirium not remitting (MEGAQI)
DRG01	Antipsychotic high & low risk (CHSRA)
DRG02	Antipsychotic high risk (CHSRA)
DRG03	Antipsychotic low risk (CHSRA)

Aggressive Cog/Com Care Strategy (JNM) VAL9+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.778846
		Largest	Std. Dev.	2.137572
75%	3	6		
90%	6	6	Variance	4.569212
95%	6	6	Skewness	.8219366
99%	6	6	Kurtosis	2.231258

SCALE DESCRIPTION

This scale represents the tendency of charts reviewed in the facility to document the presence of aggressive communication and cognitive care strategies. The scale is the additive sum of nine indicators, each signaling whether the facility lies in the top 30th percentile in regards to the presence of a care plan for communication, recent updates to the care plan for cognition and communication, and the presence of goals for cognition and communication. The items included form an internally consistent scale (KR20=0.86).

ITEMS IN SCALE

item	varlab
qi4b	MRR 4.b on care plan-communication
qi4aa	MRR 4a.a recent update-cognit status
qi4ab	MRR 4a.b recent update-communicat
qi4ba	MRR 4b.a goals for improve-cognit status
qi4bb	MRR 4b.b goals for improve-communication
qi4ca	MRR 4c.a goals for prevent-cognit status
qi4cb	MRR 4c.b goals for prevent-communication
qi4da	MRR 4d.a nurse interven-cognitive status
qi4db	MRR 4d.b nurse interven-communication

LEVEL-1 QIs

qi	varlab
DEL0X	Delirium not remitting (MEGAQI)

LEVEL-2 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)

COM01	Communication worsening (LTCQ)
FAL01	Falls increase (LTCQ)
Bedfast	Bedfast (CHSRA)

General Management Instability JNM) VAL10-

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.057692
		Largest	Std. Dev.	1.226337
75%	2	4		
90%	3	4	Variance	1.503902
95%	3	5	Skewness	1.024237
99%	4	5	Kurtosis	3.244645

SCALE DESCRIPTION

This scale captures the tendency of management and director level staff to turnover in the facility. The numerical value for this scale is the count of six areas that have experienced a change in the past two years: management, administration, nursing director, rehabilitation services contractor, nurse agency contractor, and if the DON was employed less than one year. The items included form a scale of marginal internal consistency (KR20=0.50).

ITEMS IN SCALE

item	varlab
as2a	AS 2a. manag contr change last 2 years
as2b	AS 2b. admin contr change last 2 years
as2c	AS 2c. nurs dir contr change last 2 years
as2d	AS 2d. rehab serv cont change last 12 mos
as2e	AS 2e. nurse agcy cont change lasr 12 mos
as3y	AS 3y. num of years don employed

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
MOB01	Mobility decline (LTCQ)
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)
ADL01	ADL decline (CHSRA)
CAT01	Indwelling urin cath (LTCQ)
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)

CNT06	Incontinence low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)
MOD03	Depression new or worse (LTCQ)
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)
DepWOTx	Depression without treatment (CHSRA)

Facility Management contract change (YH) VAL11-

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	207
25%	0	0	Sum of Wgt.	207
50%	0		Mean	.0821256
		Largest	Std. Dev.	.2752216
75%	0	1		
90%	0	1	Variance	.0757469
95%	1	1	Skewness	3.044001
99%	1	1	Kurtosis	10.26594

SCALE DESCRIPTION

This validation element is based on a single item, and is a dichotomous indicator as to whether the management contract has changed in the last 2 years. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as2a	AS 2a. manag contr change last 2 years

LEVEL-1 QIs

qi	varlab
MOB01	Mobility decline (LTCQ)
CAT01	Indwelling urin cath (LTCQ)
CAT02	Catheter (CHSRA)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
INF0X	Infection flare-up (MEGAQI)
CNT04	UTI (CHSRA)

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)
ADL01	ADL decline (CHSRA)
RES01	Restraints (CHSRA)
DepWOTx	Depression without treatment (CHSRA)

Screening tools for infections (YH) VAL14+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	204
25%	0	0	Sum of Wgt.	204
50%	0		Mean	.2058824
		Largest	Std. Dev.	.4053396
75%	0	1		
90%	1	1	Variance	.1643002
95%	1	1	Skewness	1.454786
99%	1	1	Kurtosis	3.116402

SCALE DESCRIPTION

This validation element is based on a single item, and is a dichotomous indicator as to whether the respondent to the administrator survey reported that a routine assessment is used for infections. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as281a	AS 281a. routin infections?

LEVEL-1 QIs

qi	varlab
CNT04	UTI (CHSRA)

LEVEL-2 QIs

qi	varlab
CAT01	Indwelling urin cath (LTCQ)
CAT02	Catheter (CHSRA)

Use of QA nurse as38 (YH,VM) VAL16+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.4230769
		Largest	Std. Dev.	.4952393
75%	1	1		
90%	1	1	Variance	.245262
95%	1	1	Skewness	.3113996
99%	1	1	Kurtosis	1.09697

SCALE DESCRIPTION

This validation element is based on a single item, and is a dichotomous indicator as to whether there is a quality assurance nurse present in the facility. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as38	AS 38. facil has quality assurance nurse?

LEVEL-1 QIs

qi	varlab
INF0X	Infection flare-up (MEGAQI)
CNT04	UTI (CHSRA)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
FAL01	Falls increase (LTCQ)
BUR0X	Burns abrasions bruises (MEGAQI)

LEVEL-2 QIs

qi	varlab
RES01	Restraints (CHSRA)
CAT01	Indwelling urin cath (LTCQ)
CAT02	Catheter (CHSRA)
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

Formal Communication (BERG) VAL17+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	3.033654
		Largest	Std. Dev.	4.477946
75%	6	12		
90%	12	12	Variance	20.052
95%	12	12	Skewness	1.106123
99%	12	12	Kurtosis	2.545205

SCALE DESCRIPTION

This scale captures the breadth and intensity of formal communication pathways present in the facility. The numerical value is the sum of twelve clinical/functional areas that the facility has both formal written & verbal communication pathways (see list of included items for clinical/functional areas included). The dichotomous indicators that go into this summary index form an internally consistent set (KR20=0.97).

ITEMS IN SCALE

item	varlab
as29a2	AS 29a.2 falls-verb form
as29b2	AS 29b.2 pressure ulcers-verb form
as29c2	AS 29c.2 depression, mood-verb form
as29d2	AS 29d.2 delirium-verb form
as29e2	AS 29e.2 adverse drug react-verb form
as29f2	AS 29f.2 malnutrition-verb form
as29g2	AS 29g.2 pain-verb form
as29h2	AS 29h.2 bladder incont-verb form
as29i2	AS 29i.2 behav funct declin-verb form
as29j2	AS 29j.2 communic change-verb form
as29k2	AS 29k.2 burns, abrasions-verb form
as29l2	AS 29l.2 funct state declin-verb form
as29a3	AS 29a.3 falls-written form
as29b3	AS 29b.3 pressure ulcers-written form
as29c3	AS 29c.3 depression, mood-written form
as29d3	AS 29d.3 delirium-written form
as29e3	AS 29e.3 adverse drug react-written form
as29f3	AS 29f.3 malnutrition-written form
as29g3	AS 29g.3 pain-written form
as29h3	AS 29h.3 bladder incont-written form
as29i3	AS 29i.3 behav funct declin-written form
as29j3	AS 29j.3 communic change-written form
as29k3	AS 29k.3 burns, abrasions-written form
as29l3	AS 29l.3 funct state declin-written form

LEVEL-1 QIs

qi	varlab
FAL01	Falls increase (LTCQ)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
BMI0X	Low BMI (MEGAQI)
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)

LEVEL-2 QIs

qi	varlab
BUR0X	Burns abrasions bruises (MEGAQI)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)

Behavioral Items (YH) VAL18+

	Percentiles	Smallest		
1%	24.63407	14.78798		
5%	31.28469	22.89582		
10%	35.84116	24.63407	Obs	208
25%	44.11671	24.63407	Sum of Wgt.	208
50%	52.7043		Mean	50
		Largest	Std. Dev.	10
75%	57.35201	64.94381		
90%	60.92919	64.94381	Variance	100
95%	63.20557	67.27316	Skewness	-.7843815
99%	64.94381	67.27316	Kurtosis	3.235792

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to provide high quality care regarding behavioral symptoms. A number of indicators are included representing the frequency of behavioral assessment, number of sources consulted for behavioral symptom changes, cognitive symptoms, CQI programs in-place regarding behavior, etc. (see list of included items for complete list of included areas). The numerical value for this scale is a transformed factor score (mean 50, SD 10) with higher values indicating higher quality care (alpha=0.64).

ITEMS IN SCALE

item	varlab
as18a	AS 18a. pract-ask resid or family-cog chg?
as18b	AS 18b. pract-chart behav across shifts?
as18c	AS 18c. pract-ask resid or fam-behav chg?
as18d	AS 18d. pract-obs med changes?
as18e	AS 18e. pract-obs chg in eating, sleeping?
as28eb3	AS 28eb.3 weekly behavioral function
as29i2	AS 29i.2 behav funct declin-verb form
as29i3	AS 29i.3 behav funct declin-written form
as31	AS 31. look for cognitive status change?
as32a	AS 32a. cogn status monit?-assessments
as32b	AS 32b. cogn status monit?-memory check
as32c	AS 32c. cogn status monit?-behav change
as32d	AS 32d. cogn status monit?-other
as39e	AS 39e. which incl in cqi-behav function
as42	AS 42. obs staff for behav sympt prevention
as32c	AS 32c. cogn status monit?-behav change
as32d	AS 32d. cogn status monit?-other
as39e	AS 39e. which incl in cqi-behav function
as42	AS 42. obs staff for behav sympt prevention

LEVEL-1 QIs

qi	varlab
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)
MOD03	Depression new or worse (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

NP on staff as4 (YH, VM) VAL19+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.1009615
		Largest	Std. Dev.	.3020046
75%	0	1		
90%	1	1	Variance	.0912068
95%	1	1	Skewness	2.648974
99%	1	1	Kurtosis	8.017061

SCALE DESCRIPTION

This validation element is based on a single item, and is a dichotomous indicator as to whether a nurse practitioner is on staff at the facility.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as4	AS 4. nurse practitioner on staff?

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
INF0X	Infection flare-up (MEGAQI)
CNT04	UTI (CHSRA)
DepWOTx	Depression without treatment (CHSRA)

Med Dir reviews Drugs last 30 days as17 (YH)
VAL20+

```

-----
Percentiles      Smallest
1%               0             0
5%               0             0
10%              0             0      Obs              207
25%              0             0      Sum of Wgt.      207

50%              0
                    Largest      Mean              .4830918
75%              1             1      Std. Dev.        .5009255
90%              1             1      Variance         .2509263
95%              1             1      Skewness         .0676716
99%              1             1      Kurtosis         1.004579
  
```

SCALE DESCRIPTION

This validation element is based on a single item, and is a dichotomous indicator as to whether the medical director reviews drugs within 30 days. (Internal consistency reliability not applicable).

ITEMS IN SCALE

```

item              varlab
as17              AS 17. freq drug use review by med direct
  
```

LEVEL-1 QIs

```

qi              varlab
DRG01          Antipsychotic high & low risk (CHSRA)
DRG02          Antipsychotic high risk (CHSRA)
DRG03          Antipsychotic low risk (CHSRA)
DepWOTx        Depression without treatment (CHSRA)
  
```

LEVEL-2 QIs

```

qi              varlab
MOD03          Depression new or worse (LTCQ)
PAN01          Pain worsening (LTCQ)
PAI0X          Pain poorly managed (MEGAQI)
  
```

Screen, assess, manage pain depression (SC) VAL23+

	Percentiles	Smallest		
1%	42.27606	42.27606		
5%	42.27606	42.27606		
10%	42.27606	42.27606	Obs	208
25%	50.37987	42.27606	Sum of Wgt.	208
50%	50.37987		Mean	54.7045
		Largest	Std. Dev.	9.112957
75%	58.48367	74.69129		
90%	66.58749	74.69129	Variance	83.04598
95%	66.58749	74.69129	Skewness	.3347966
99%	74.69129	74.69129	Kurtosis	2.243254

SCALE DESCRIPTION

This scale is computed almost entirely from medical record review items, and captures the tendency of the caregivers in the facility to record screening and assessments of depression and pain, and the presence of treatments are in place for pain and depression. The numerical value represented by this validation scale is the count of eleven of such elements that are present. Higher values indicate more good care practices insofar as screening, assessment and management of pain and depression are concerned (KR20 = 0.65).

ITEMS IN SCALE

item	varlab
qild	MRR 1.d record of assess-depression
qi3ed	MRR 3e.d current treatment-depression
qilk	MRR 1.k record of assess-pain
qilak	MRR 1a.k physician assess-pain
qi3ek	MRR 3e.k current treatment-pain
qi4dk	MRR 4d.k nurse interven-pain
qi3d	MRR 3.d new problem-depression
qi3ad	MRR 3a.d doc in 72 hours-depression
qi3k	MRR 3.k new problem-pain
qi3ak	MRR 3a.k doc in 72 hours-pain
as25h	AS 25h. policy rev-pain management
as25c	AS 25c. policy rev-depression management

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)
MOD03	Depression new or worse (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
SOC02	Little or no activities (CHSRA)

Daily Screening of mood as27h1 (YH) VAL24+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	.5865385
		Largest	Std. Dev.	.4936422
75%	1	1		
90%	1	1	Variance	.2436826
95%	1	1	Skewness	-.3514579
99%	1	1	Kurtosis	1.123523

SCALE DESCRIPTION

This validation element is based on a single item, and is a dichotomous indicator as to whether the facility has a policy regarding the daily reporting of mood or anxious symptoms displayed by residents from CNAs. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as27h1	AS 27h.1 daily repts-depress, anxiety

LEVEL-1 QIs

qi	varlab
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)

Medications Committee as35 (YH) VAL25+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	207
25%	0	0	Sum of Wgt.	207
50%	1		Mean	.6135266
		Largest	Std. Dev.	.4881217
75%	1	1		
90%	1	1	Variance	.2382627
95%	1	1	Skewness	-.4662845
99%	1	1	Kurtosis	1.217421

SCALE DESCRIPTION

This validation element is based on a single item, and is a dichotomous indicator as to whether the facility has a medications committee.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as35	AS 35. meds committee in facility?

LEVEL-1 QIs

qi	varlab
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
DRG01	Antipsychotic high & low risk (CHSRA)
DRG02	Antipsychotic high risk (CHSRA)
DRG03	Antipsychotic low risk (CHSRA)
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)

CQI for pain as39 (YH) VAL26+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	1		Mean	.5728155
		Largest	Std. Dev.	.4958745
75%	1	1		
90%	1	1	Variance	.2458915
95%	1	1	Skewness	-.2944008
99%	1	1	Kurtosis	1.086672

SCALE DESCRIPTION

This validation element is based on a single item, and is a dichotomous indicator as to whether the facility has a continuous quality improvement program in place for pain.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as39	

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
MOD03	Depression new or worse (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

Skin Care Preventive Stratgz v1 (JNM) VAL29+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	205
25%	1	0	Sum of Wgt.	205
50%	1		Mean	1.121951
		Largest	Std. Dev.	.68582
75%	1	3		
90%	2	3	Variance	.4703491
95%	2	4	Skewness	1.485638
99%	3	5	Kurtosis	8.969409

SCALE DESCRIPTION

This scale combines walk-through observation items and reports from the respondent to the administrator survey to provide a measure of preventative strategies for skin care. Administrative survey reports of lotion or cream or whirlpool soaks, and observations of residents with safety devices, repositioning devices, and pressure relieving devices define this additive scale. The numerical value for the scale (0-6) indicates increasing use of skin care preventative strategies. The scale has poor internal consistency reliability (KR20=0.37, but see VAL31).

ITEMS IN SCALE

item	varlab
as18j	AS 18j. pract-apply lotion or cream?
as18k	AS 18k. pract-whirlpool soaks?
wpm20	WT 20. residents with safety devices
wpm22	WT 22. observe repositioning devices
wpm23	WT 23. pressure reducing devices on bed
wpm24	WT 24. pressure reducing devices bone on

LEVEL-1 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
BUR0X	Burns abrasions bruises (MEGAQI)

LEVEL-2 QIs

qi	varlab
----	--------

CNT02
CNT03

Bowel incont decline (LTCQ)
Bladder incont decline (LTCQ)

Skin Care Prev Stratgz walk-through (JNM) VAL31+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	207
25%	1	0	Sum of Wgt.	207
50%	2		Mean	1.898551
		Largest	Std. Dev.	1.429355
75%	3	4		
90%	4	4	Variance	2.043056
95%	4	4	Skewness	.0288391
99%	4	4	Kurtosis	1.664136

SCALE DESCRIPTION

This scale is similar to VAL29 but includes only walk-through observation items.

The numerical value for the scale (0-4) indicates increasing observations of good skin care prevention strategies. The included items have high internal consistency reliability (KR20=0.69).

ITEMS IN SCALE

item	varlab
wpm20	WT 20. residents with safety devices
wpm22	WT 22. observe repositioning devices
wpm23	WT 23. pressure reducing devices on bed
wpm24	WT 24. pressure reducing devices bone on

LEVEL-1 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
BUR0X	Burns abrasions bruises (MEGAQI)

LEVEL-2 QIs

qi	varlab
CNT02	Bowel incont decline (LTCQ)
CNT03	Bladder incont decline (LTCQ)

Incontinence Management (JNM) VAL32+

	Percentiles	Smallest		
1%	1	0		
5%	2	1		
10%	3	1	Obs	208
25%	5	1	Sum of Wgt.	208
50%	7		Mean	6.485577
		Largest	Std. Dev.	2.544253
75%	8	11		
90%	10	12	Variance	6.473221
95%	10	12	Skewness	-.1049022
99%	12	13	Kurtosis	2.476646

SCALE DESCRIPTION

This scale uses medical record review items and administrator survey items to generate a count of the number of good incontinence management items practiced. Medical record review items are converted to dichotomous facility-level indicators if the care practice is present a rate in the top 30th percentile. Please refer to list of included items for scope of care practices included. The numerical value for the scale is the count of 13 indicators of high quality incontinence care are provided. The items form an internally consistent set (KR20=0.64).

ITEMS IN SCALE

item	varlab
qi1p	MRR 1.p record of assess-bladder contin
qi4bp	MRR 4b.p goals for improv-bladder contin
qi4cp	MRR 4c.p goals for prevent-bladder contin
as4	AS 4. nurse practitioner on staff?
as26ea	AS 26ea. rev prog-incontin prev-cna?
as26eb	AS 26eb. rev prog-incont prev-rn,lpn\lvn?
as27c1	AS 27c.1 daily repts-incontin patterns
as29h2	AS 29h.2 bladder incontin-verb form
as37ad	AS 37ad. what cqi projs-pressure ulcers?
as37ag	AS 37ag. what cqi projs-urinary incont?
as39d	AS 39d. which incl in cqi-urinary catheter
as39g	AS 39g. which incl in cqi-bladder incontin
as28db	AS 28db.2 adm bladdr incontinence
as28db3	AS 28db.3 weekly bladdr incontinence
as28db4	AS 28db.4 quarterly bladdr incontinence

LEVEL-1 QIs

qi	varlab
CNT01	Incontinence hi & lo risk (CHSRA)

CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)
CNT02	Bowel incont decline (LTCQ)
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)
CAT01	Indwelling urin cath (LTCQ)
Bedfast	Bedfast (CHSRA)

LEVEL-2 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
MOB01	Mobility decline (LTCQ)
WAL0X	Walking performance (MEGAQI)

Cont Ed Fx Decline (JNM) VAL34+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	1		Mean	1.131068
		Largest	Std. Dev.	.9198652
75%	2	2		
90%	2	2	Variance	.846152
95%	2	2	Skewness	-.2617868
99%	2	2	Kurtosis	1.238557

SCALE DESCRIPTION

This scale indicates the presence of continuing education for functional decline for licensed and un-licensed staff. The scale is constructed as a count from 0-2. The two items comprising the sum are highly correlated ($r=0.72$).

ITEMS IN SCALE

item	varlab
as26ca	AS 26ca. rev prog-funct declin risk-cna?
as26cb	AS 26cb. rev prog-funct declin-rn,lpn\lvn?

LEVEL-1 QIs

qi	varlab
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)
WAL0X	Walking performance (MEGAQI)
MOB01	Mobility decline (LTCQ)
Bedfast	Bedfast (CHSRA)

LEVEL-2 QIs

qi	varlab
BMI0X	Low BMI (MEGAQI)
CNT04	UTI (CHSRA)
CNT03	Bladder incont decline (LTCQ)

Effort at Mobility Enhancement (JNM) VAL35+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	1	0	Obs	208
25%	2	0	Sum of Wgt.	208
50%	3		Mean	3.596154
		Largest	Std. Dev.	2.550056
75%	5	9		
90%	7	9	Variance	6.502787
95%	8	10	Skewness	.5223018
99%	9	10	Kurtosis	2.352201

SCALE DESCRIPTION

This scale measures the presence of policies and care practices conducive to promoting mobility or walking performance. The scale uses items drawn from the medical record review, administrator survey, and walk-through. Please refer to list of included items for complete coverage of areas. The numerical score for the scale is the count of eleven indicators of care practices or policies supportive of good mobility (0-11). The items included form an internally consistent set (KR20=0.67).

ITEMS IN SCALE

item	varlab
qi1aa	MRR 1a.a physician assess-cog status
qi3h	MRR 3.h new problem-mobolity\walking
qi3ah	MRR 3a.h doc in 72 hours-mobility\walk
qi3eh	MRR 3e.h current treatment-mobil\walking
qi4bh	MRR 4b.h goals for improv-mobility\walk
qi4ch	MRR 4c.h goals for prevent-mobility\walk
qi4dh	MRR 4d.h nurse interven-mobility\walking
as9d	AS 9d. r\r aides contrib to pat care plan
as14ab	AS 14ab. num residents in exerc program
as14db	AS 14db. num residents in mobil sessions
as22	AS 22. propor of res-r\r care last 39 days
as23	AS 23. frequency of r\r programs
as29l2	AS 29l.2 funct state declin-verb form
wpm17	WT 17. residents walking with devices
wpm18	WT 18. staff help residents walking

LEVEL-1 QIs

qi	varlab
WAL0X	Walking performance (MEGAQI)
MOB01	Mobility decline (LTCQ)

Bedfast

Bedfast (CHSRA)

LEVEL-2 QIs

qi	varlab
ADL01	ADL decline (CHSRA)
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)
CNT02	Bowel incont decline (LTCQ)
CNT03	Bladder incont decline (LTCQ)

Focus on Incontinence (JNM) VAL36+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	1	0	Obs	208
25%	2	0	Sum of Wgt.	208
50%	4		Mean	4.389423
		Largest	Std. Dev.	2.646168
75%	6	10		
90%	8	10	Variance	7.002206
95%	9	10	Skewness	.2794782
99%	10	10	Kurtosis	2.121024

SCALE DESCRIPTION

This scale measures the presence of policies and care practices conducive to promoting or improving level of continence. The scale uses items from the medical record review, administrator survey, and walk-through. Please refer to list of included items for complete coverage of areas. The numerical score for the scale is the count of eleven indicators of care practices or policies supportive of good mobility (0-11). The items included form an internally consistent set (KR20=0.76).

ITEMS IN SCALE

item	varlab
qi1p	MRR 1.p record of assess-bladder contin
qi4p	MRR 4.p on care plan-bladder continence
qi4ap	MRR 4a.o recent update-bladder contin
qi4bp	MRR 4b.p goals for improv-bladder contin
qi4cp	MRR 4c.p goals for prevent-bladder contin
qi4dp	MRR 4d.p nurse interven-bladder contin
wpm3	WT 3. odors of urine or feces noticeable
wpm18	WT 18. staff help residents walking
as14fb	AS 14fb. num resid in bladder training
as26ea	AS 26ea. rev prog-incontin prev-cna?
as26eb	AS 26eb. rev prog-incont prev-rn,lpn\lvn?
as37ag	AS 37ag. what cqi projs-urinary incont?
as39g	AS 39g. which incl in cqi-bladder incontin

LEVEL-1 QIs

qi	varlab
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)
CNT02	Bowel incont decline (LTCQ)

CNT03	Bladder incont decline (LTCQ)
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)
CAT01	Indwelling urin cath (LTCQ)

LEVEL-2 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
MOB01	Mobility decline (LTCQ)
WAL0X	Walking performance (MEGAQI)

CDCPI-Incontinence (JNM) VAL37+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	1	0	Obs	208
25%	2	0	Sum of Wgt.	208
50%	3		Mean	3.394231
		Largest	Std. Dev.	2.193175
75%	5	8		
90%	6	9	Variance	4.810015
95%	7	9	Skewness	.4469646
99%	9	9	Kurtosis	2.424392

SCALE DESCRIPTION

This scale measures care processes across multiple domains. This scale includes items related to ADL functioning and the presence of care planning goals. The numerical value is the number of eleven indicators of high quality functional care are provided (0-11). The items included (listed below) form an moderately internally consistent set (KR20=61).

ITEMS IN SCALE

item	varlab
qi4da	MRR 4d.a nurse interven-cognitive status
qi4dd	MRR 4d.d nurse interven-depression
qi4du	MRR 4d.u nurse interven-social isolation
qi4bf	MRR 4b.f goals for improve-adl improv
qi4cf	MRR 4c.f goals for prevent-adl improv
qi4bg	MRR 4b.g goals for improv-adl decline
qi4cg	MRR 4c.g goals for prevent-adl decline
qi4bh	MRR 4b.h goals for improv-mobility\walk
qi4ch	MRR 4c.h goals for prevent-mobility\walk
as14eb	AS 14eb. num residents in dress training
as14db	AS 14db. num residents in mobil sessions

LEVEL-1 QIs

qi	varlab
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)
WAL0X	Walking performance (MEGAQI)
MOB01	Mobility decline (LTCQ)

LEVEL-2 QIs

qi
RES01

varlab
Restrains (CHSRA)

CDCPI-Nutritional (JNM) VAL38+

	Percentiles	Smallest		
1%	0	0		
5%	1	0		
10%	1	0	Obs	208
25%	2	1	Sum of Wgt.	208
50%	3		Mean	3.418269
		Largest	Std. Dev.	1.552014
75%	5	6		
90%	5	7	Variance	2.408747
95%	6	7	Skewness	.1530063
99%	7	8	Kurtosis	2.489535

SCALE DESCRIPTION

This scale measures care processes across multiple domains. This scale includes items related to nutrition. (see list of items). The numerical score is the count of 8 items (0-8). Higher values indicate more care practices present that suggest high quality care with regards to nutrition and eating. The items included do not form an internally consistent set (KR20=0.36) and therefore the scale is considered an index of essentially randomly occurring care practices supportive of good nutrition.

ITEMS IN SCALE

item	varlab
qi4bn	MRR 4b.n goals for improve-undernutrit
qi4cn	MRR 4c.n goals for prevent-undernutrit
as14ib	AS 14ib. num residents use reg snacks
as28jb3	AS 28jb.3 weekly malnutrition
as36	AS 36. nutrirtion committee at facility?
as37ab	AS 37ab. what cqi projs-nutrition?
wml8	WT 8. pleasant atmosphere in facility
wml9	WT 9. homelike appearance in facility

LEVEL-1 QIs

qi	varlab
need to re-review	

LEVEL-2 QIs

qi	varlab
need to re-review	

CDCPI-Psychosocial (JNM) VAL39+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	1	0	Obs	208
25%	2	0	Sum of Wgt.	208
50%	3		Mean	3.076923
		Largest	Std. Dev.	1.98882
75%	4	8		
90%	6	8	Variance	3.955407
95%	7	8	Skewness	.4659738
99%	8	8	Kurtosis	2.686325

SCALE DESCRIPTION

This scale measures care processes across multiple domains. This scale includes items related to psychosocial functioning (see list of items). The numerical score is the count of 9 indicators (0-9). Higher scores imply greater number of high quality care practices regarding assessment of symptoms of depression/anxiety, presence of care planning goals for mental health symptoms, and goals in to improve social isolation. The items in this scale form an internally consistent set (KR20=0.62).

ITEMS IN SCALE

item	varlab
qi4ba	MRR 4b.a goals for improve-cognit status
qi4ca	MRR 4c.a goals for prevent-cognit status
qi4bd	MRR 4b.d goals for improv-depression
qi4cd	MRR 4c.d goals for prevent-depression
qi4bu	MRR 4b.u goals for improv-soc isolation
qi4cu	MRR 4c.u goals for prevent-soc isolation
as28bb	AS 28bb.2 adm depression, anxiety
as28bb3	AS 28bb.3 weekly depression, anxiety
as28bb5	AS 28bb.5 annually depression, anxiety
wpm11	WT 11. variety of activities available
wpm12	WT 12. out of bed, not for nap or bedtime

LEVEL-1 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)
SOC02	Little or no activities (CHSRA)

LEVEL-2 QIs

qi
none

varlab

CDCPI-Clinical Complications (JNM) VAL40+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	1	0	Obs	208
25%	2	0	Sum of Wgt.	208
50%	3.5		Mean	3.596154
		Largest	Std. Dev.	2.254439
75%	5	9		
90%	7	9	Variance	5.082497
95%	8	9	Skewness	.4100912
99%	9	9	Kurtosis	2.651601

SCALE DESCRIPTION

This scale measures care processes across multiple domains. This scale includes items related to the presence of clinical complexities. The numerical score is the count of 9 indicators (0-9). Higher scores imply greater number of high quality care practices regarding assessment and goal setting for handling clinical complexities and co-morbidities. The items in this scale form an internally consistent set (KR20=0.58).

ITEMS IN SCALE

item	varlab
qi4bc	MRR 4b.c goals for improve-delirium
qi4cc	MRR 4c.c goals for prevent-delirium
qi4bk	MRR 4b.k goals for improve-pain
qi4ck	MRR 4c.k goals for prevent-pain
qi4bs	MRR 4b.s goals for improv-press ulcers
qi4cs	MRR 4c.s goals for prevent-press ulcers
qi4dc	MRR 4d.c nurse interven-delirium
qi4dk	MRR 4d.k nurse interven-pain
qi4ds	MRR 4d.s nurse interven-pressure ulcers
wpm23	WT 23. pressure reducing devices on bed
wpm24	WT 24. pressure reducing devices bone on
as28cb	AS 28cb.2 adm delirium?
as28cb3	AS 28cb.3 weekly delirium?
as28cb4	AS 28cb.4 quarterly delirium?
as28hb	AS 28hb.2 adm pain
as28hb3	AS 28hb.3 weekly pain
as28hb4	AS 28hb.4 quarterly pain

LEVEL-1 QIs

qi	varlab
PRU04	PU onset or worsening (LTCQ)

PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)
DEL0X	Delirium not remitting (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	

CDCPI-Ambiance (JNM) VAL41+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	2		Mean	2.408654
		Largest	Std. Dev.	2.344965
75%	4	7		
90%	6	7	Variance	5.498862
95%	7	7	Skewness	.5953721
99%	7	7	Kurtosis	2.00596

SCALE DESCRIPTION

This scale captures positive aspects of the overall ambience of the facility. The items that are used in constructing this scale are drawn from the walk-through observations. The specific items included are the degree that rooms are personalized, a subjective rating of pleasant and homelike atmosphere, level of familiarity of the staff and residents, resident's appearance. The numerical value is the sum of the number of seven indicators that are rated 4 or 5 on a 1-5 rating scale. The derived components form an internally consistent scale (KR20=0.84).

ITEMS IN SCALE

item	varlab
wpm1	WT 1. rooms personalized
wpm8	WT 8. pleasant atmosphere in facility
wpm9	WT 9. homelike appearance in facility
wpm14	WT 14. staff call residents by name
wpm16	WT 16. residents well groomed
wpm25	WT 25. rate atmosphere
wpm26	WT 26. rate environment

LEVEL-1 QIs

qi	varlab
RES01	Restraints (CHSRA)
SOC02	Little or no activities (CHSRA)

LEVEL-2 QIs

qi	varlab
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)

BEH03	Behavior low risk (CHSRA)
MOD03	Depression new or worse (LTCQ)
WAL0X	Walking performance (MEGAQI)
COG01	Cognition worsening (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

CDCPI3-Cross Domain Quality Response (JNM) VAL42+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	1	0	Obs	208
25%	2	0	Sum of Wgt.	208
50%	3		Mean	2.961538
		Largest	Std. Dev.	1.361465
75%	4	5		
90%	5	5	Variance	1.853586
95%	5	5	Skewness	-.3678878
99%	5	5	Kurtosis	2.496652

SCALE DESCRIPTION

This scale captures overall tendencies towards positive care practices over multiple domains. The numerical value is the factor score underlying the other Cross-Domain Care Process Indices (VAL #37-41). The items form an internally consistent scale (alpha=0.68).

ITEMS IN SCALE

item	varlab
val37	
val38	
val39	
val40	
val41	

LEVEL-1 QIs

qi	varlab
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)
WAL0X	Walking performance (MEGAQI)
MOB01	Mobility decline (LTCQ)
COG01	Cognition worsening (LTCQ)
SOC02	Little or no activities (CHSRA)
PRU04	PU onset or worsening (LTCQ)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)
DEL0X	Delirium not remitting (MEGAQI)
RES01	Restraints (CHSRA)

LEVEL-2 QIs

qi	varlab
RES01	Restraints (CHSRA)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
MOD03	Depression new or worse (LTCQ)
WAL0X	Walking performance (MEGAQI)
COG01	Cognition worsening (LTCQ)

Percent Single Bedded Rooms, Deciles (JNM) VAL44+

	Percentiles	Smallest		
1%	1	1		
5%	1	1		
10%	1	1	Obs	205
25%	3	1	Sum of Wgt.	205
50%	5		Mean	5.429268
		Largest	Std. Dev.	2.93577
75%	8	10		
90%	9	10	Variance	8.618747
95%	10	10	Skewness	-.0074703
99%	10	10	Kurtosis	1.753551

SCALE DESCRIPTION

This scale represents the proportion of beds in the facility that are located in rooms with no other beds. The numerical value for this scale [1-10] represents the decile in which the actual percentage fell. That is, a facility with a value of 1 fell in the bottom 10% of facilities, and those with a score of 10 fell in the top 10% of facilities in terms of percent of beds that were in single rooms.

(Internal consistency reliability not applicable)

ITEMS IN SCALE

item	varlab
ass1	AS s1. how many beds
ass2	AS s2. how many single bedded rooms

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
SOC02	Little or no activities (CHSRA)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)

Pain Assessment (ASSESS) (VM) VAL45+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	.0666667	0	Obs	206
25%	.1851852	0	Sum of Wgt.	206
50%	.4913793		Mean	.5272408
		Largest	Std. Dev.	.3858157
75%	.85	1.4		
90%	1.045455	1.461538	Variance	.1488537
95%	1.15	1.571429	Skewness	.4901412
99%	1.461538	1.724138	Kurtosis	2.434425

SCALE DESCRIPTION

This scale captures the tendency of residents in the facility with pain to get an assessment by a physician. Each chart reviewed in the medical record review is scored on a 0-2 scale: 0=default value, 1=if there is some record in the chart of pain, and 2 if there is some record of pain in the chart and is a record of an assessment by a physician. The numerical value for the validation scale is the average of this 0-2 score for each chart within the facility. Higher value implies greater tendency for folks in pain to get assessed by a physician. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qilk	MRR 1.k record of assess-pain
qilak	MRR 1a.k physician assess-pain

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Change Response (CHNGRESP) (VM) VAL46+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	.0769231	0	Sum of Wgt.	206
50%	.1666667		Mean	.2097677
		Largest	Std. Dev.	.178232
75%	.3	.7241379		
90%	.4642857	.8	Variance	.0317667
95%	.5185185	.8275862	Skewness	1.149782
99%	.8	.862069	Kurtosis	4.407319

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to pain. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's pain status changed, 2 if pain changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qi3ak	MRR 3a.k doc in 72 hours-pain
qi3bk	MRR 3b.k phys notified of chg-pain
qi3ck	MRR 3c.k ther notified of chg-pain
qi3dk	MRR 3d.k refer w specialist-pain
qi3ek	MRR 3e.k current treatment-pain
qi3k	MRR 3.k new problem-pain

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Pain Care Planning Specificity (PAINPLAN) (VM)
VAL47+

	Percentiles	Smallest		
1%	1.363636	1.153846		
5%	1.714286	1.269231		
10%	1.862069	1.363636	Obs	206
25%	1.958333	1.62069	Sum of Wgt.	206
50%	2		Mean	1.951193
		Largest	Std. Dev.	.1148198
75%	2	2		
90%	2	2	Variance	.0131836
95%	2	2	Skewness	-3.991965
99%	2	2	Kurtosis	22.52974

SCALE DESCRIPTION

This scale captures the propensity of caregivers to keep current care plans regarding pain. Among all charts reviewed where pain was noted as a problem in the care plan, this scale is initialized at a value of "1" if and only if the chart contains a record that pain is a problem noted on the care plan. Among these, if goals are specified for improvement or prevention of decline or interventions are in place, the score is set to "2". The numerical value for the facility level validation scale is the average of these scores for the facility (internal consistency NA).

ITEMS IN SCALE

item	varlab
qi4ak	MRR 4a.k recent update-pain
qi4bk	MRR 4b.k goals for improve-pain
qi4ck	MRR 4c.k goals for prevent-pain
qi4dk	MRR 4d.k nurse interven-pain

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Match of MDS & Care Plan (MATCHPLAN) (VM) VAL48+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	.0344828	0	Obs	206
25%	.1	0	Sum of Wgt.	206
50%	.2034483		Mean	.2322915
		Largest	Std. Dev.	.1812215
75%	.32	.7407407		
90%	.4642857	.76	Variance	.0328412
95%	.6206896	.8214286	Skewness	1.099664
99%	.76	.9	Kurtosis	4.122754

SCALE DESCRIPTION

This scale captures the tendency of the care plan to match the data recorded in the facility MDS assessment. The numerical value for this score is the proportion of charts with an MDS Pain Index score of 1 or higher (Fries, et al. Gerontologist 41(2):173, 2001) and also have evidence of pain care planning (based on scale #47). As an index of agreement internal consistency reliability is not applicable.

ITEMS IN SCALE

item	varlab
val47	
j2a	
j2b	

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Ownership Change as1 (VM) VAL49-

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.1201923
		Largest	Std. Dev.	.3259708
75%	0	1		
90%	1	1	Variance	.106257
95%	1	1	Skewness	2.335939
99%	1	1	Kurtosis	6.456612

SCALE DESCRIPTION

This scale is based on a single item, and is a binary indicator signaling facilities that have had an ownership change in the last two years.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as1	AS 1. ownership change last 2 years

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
MOB01	Mobility decline (LTCQ)
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)
ADL01	ADL decline (CHSRA)
CAT01	Indwelling urin cath (LTCQ)
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)
MOD03	Depression new or worse (LTCQ)
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)

DON employed <12M (VM) VAL51-

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	0		Mean	.2184466
		Largest	Std. Dev.	.4141986
75%	0	1		
90%	1	1	Variance	.1715605
95%	1	1	Skewness	1.362821
99%	1	1	Kurtosis	2.857281

SCALE DESCRIPTION

This scale is based on a single item, and is a binary indicator signaling facilities that have a Director of Nursing that has been employed at the facility for less than one year.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as3y	AS 3y. num of years don employed
as3m	AS 3m. num of months don employed

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)
CAT01	Indwelling urin cath (LTCQ)
CAT02	Catheter (CHSRA)
INF0X	Infection flare-up (MEGAQI)
NUT01	Tube feeding (RAMSEY)
CNT04	UTI (CHSRA)

RN+LPN FTE/BED (VM) VAL52+

	Percentiles	Smallest		
1%	1	1		
5%	1	1		
10%	2	1	Obs	202
25%	3	1	Sum of Wgt.	202
50%	5.5		Mean	5.519802
		Largest	Std. Dev.	2.882803
75%	8	10		
90%	10	10	Variance	8.310551
95%	10	10	Skewness	-.0017142
99%	10	10	Kurtosis	1.779385

SCALE DESCRIPTION

This is an index of the level of staffing in the facility conditional on the average care demands of the facility's residents. The numerical value is the residual of the number of licensed staff FTE per bed regressed on the average CMI for the residents in the facility. High values imply that the facility has a higher level of staffing given case mix.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as5aa	AS 5aa. rn hours worked in pay period
as5ba	AS 5ba. lpn\lvn hours worked in pay period
as5a	AS 5a. length of pay period
ass1	AS s1. how many beds
CMI	

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
INF0X	Infection flare-up (MEGAQI)
CNT04	UTI (CHSRA)

ADL01	ADL decline (CHSRA)
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)
WAL0X	Walking performance (MEGAQI)
MOB01	Mobility decline (LTCQ)
Bedfast	Bedfast (CHSRA)

5%+ RN, LPN Float, Contract (VM) VAL53-

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	201
25%	0	0	Sum of Wgt.	201
50%	0		Mean	.1840796
		Largest	Std. Dev.	.3885168
75%	0	1		
90%	1	1	Variance	.1509453
95%	1	1	Skewness	1.63035
99%	1	1	Kurtosis	3.658042

SCALE DESCRIPTION

This scale is a binary indicator signaling facilities that use greater than 5% of their licensed staff as "floats" or contract workers as opposed to regular facility staff. Higher values imply proportionally more of the licensed caregivers are floats or contract workers.

(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as5aa	AS 5aa. rn hours worked in pay period
as5ba	AS 5ba. lpn\lvn hours worked in pay period
as5ac	AS 5ac. hours worked by rn floats
as5bc	AS 5bc. hours worked by lpn\lvn floats
as5ad	AS 5ad. hours worked by rn contr
as5bd	AS 5bd. hours worked by lpn\lvn contr

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)
BMI0X	Low BMI (MEGAQI)
WGT01	Weight loss (LTCQ)
MOD03	Depression new or worse (LTCQ)
CNT04	UTI (CHSRA)
INF0X	Infection flare-up (MEGAQI)
PRU01	PU high & low risk (CHSRA)

PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)

Lic Staff turnover last 6mo (% ,Deciles)(VM) VAL55-

Percentiles		Smallest		
1%	1	1		
5%	1	1		
10%	1	1	Obs	195
25%	3	1	Sum of Wgt.	195
50%	5		Mean	5.384615
		Largest	Std. Dev.	2.912959
75%	8	10		
90%	9	10	Variance	8.485329
95%	10	10	Skewness	-.0149498
99%	10	10	Kurtosis	1.805318

SCALE DESCRIPTION

This scale captures the proportion of licensed staff that have turned over in the past six months. The numerical value for this scale is the decile in which the facility falls in the sample-wide distribution of proportion of licensed staff turnover. Higher values imply greater licensed staff turnover. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as5ab	AS 5ab. number of rns on staff
as5bb	AS 5bb. number of lpn\lvns on staff
as8a1	AS 8a.1 rn\lpn\lvn staff - last 6 mnths

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)
BMI0X	Low BMI (MEGAQI)
WGT01	Weight loss (LTCQ)
MOD03	Depression new or worse (LTCQ)
CNT04	UTI (CHSRA)
INF0X	Infection flare-up (MEGAQI)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)

30%+ Six Mo CNA Turnover (VM) val56-

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	159
25%	0	0	Sum of Wgt.	159
50%	1		Mean	.7169811
		Largest	Std. Dev.	.4518888
75%	1	1		
90%	1	1	Variance	.2042035
95%	1	1	Skewness	-.963364
99%	1	1	Kurtosis	1.92807

SCALE DESCRIPTION

This scale is a binary indicator signaling facilities that have had a greater than 30% turnover in CNA Staff in the past six months.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as8b1	AS 8b.1 cna last 6 mnths
as5bb	AS 5bb. number of lpn\lvns on staff
as5cb	AS 5cb. number of na\cnas on staff

LEVEL-1 QIs

qi	varlab
CAT01	Indwelling urin cath (LTCQ)
CAT02	Catheter (CHSRA)

LEVEL-2 QIs

qi	varlab
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)
WGT01	Weight loss (LTCQ)
SOC02	Little or no activities (CHSRA)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)

CNA Involved in Care Planning (VM, JT) VAL57+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	207
25%	1	0	Sum of Wgt.	207
50%	2		Mean	1.961353
		Largest	Std. Dev.	1.306613
75%	3	4		
90%	4	4	Variance	1.707237
95%	4	4	Skewness	.2678542
99%	4	4	Kurtosis	1.84066

SCALE DESCRIPTION

This scale captures the tendency of CNA's in the facility to participate in the care planning process. The numerical value for this scale is the sum of four indicators of CNA participation in care planning: whether CNA's contribute to care planning, CNAs regularly attend care planning meetings, whether or not care planning meetings are scheduled into the CNA's work day, and whether care planning meetings are part of the work culture on units. The internal consistency reliability for these items indicates that the items form a reliable scale (KR20=0.72).

ITEMS IN SCALE

item	varlab
as9f	AS 9f. cnas contrib to patient care plan
as10	AS 10. cna attend care planning meeting?
as11a	AS 11a. plan mtgs sched in cna work day
as11b	AS 11b. plan mtgs part of culture on units

LEVEL-1 QIs

qi	varlab
WGT01	Weight loss (LTCQ)

LEVEL-2 QIs

qi	varlab
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)
MOD03	Depression new or worse (LTCQ)
COG01	Cognition worsening (LTCQ)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)

Poor Pain Assessment Policies as25h (VM) VAL58-

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	207
25%	0	0	Sum of Wgt.	207
50%	0		Mean	.2560386
		Largest	Std. Dev.	.4375015
75%	1	1		
90%	1	1	Variance	.1914075
95%	1	1	Skewness	1.117952
99%	1	1	Kurtosis	2.249816

SCALE DESCRIPTION

This scale is based on a single item, and is a binary indicator identifying those facilities where the respondent to the administrator survey reported that the policies, practices and procedures regarding pain are not always reviewed with newly-hired licensed staff. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as25h	AS 25h. policy rev-pain management

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Poor Pain Education as26da+b (VM) VAL59-

	Percentiles	Smallest			
1%	0	0			
5%	0	0			
10%	0	0		Obs	208
25%	0	0		Sum of Wgt.	208
50%	0			Mean	.5096154
		Largest		Std. Dev.	.7420456
75%	1	2			
90%	2	2		Variance	.5506317
95%	2	2		Skewness	1.069173
99%	2	2		Kurtosis	2.633172

SCALE DESCRIPTION

This additive scale identifies facilities with increasingly poor educational practices regarding pain. The scale value is initialized at "2", and is a "1" if training regarding pain management in the cognitively impaired is offered to licensed staff or CNAs, and a "0" if offered to both licensed staff and CNA's. (KR20=0.65).

ITEMS IN SCALE

item	varlab
as26da	AS 26da. rev prog-pain manage-cna
as26db	AS 26db. rev prog-pain manage-rn,lpn\lvn?

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

No Stand Pain Asmt Admin and (Wkly or Qrtly) (VM)
val61-

```
-----
```

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.2932692
		Largest	Std. Dev.	.4563591
75%	1	1		
90%	1	1	Variance	.2082637
95%	1	1	Skewness	.9081861
99%	1	1	Kurtosis	1.824802

SCALE DESCRIPTION

This binary indicator identifies facilities that do not have standardized pain assessment conducted or protocols for screening implemented at admission and either weekly or quarterly.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as28ha	AS 28ha. routin pain?

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Num CQI Approaches in Use (VM) val64+

	Percentiles	Smallest		
1%	0	0		
5%	1	0		
10%	2	0	Obs	208
25%	3	0	Sum of Wgt.	208
50%	4		Mean	3.961538
		Largest	Std. Dev.	1.303456
75%	5	5		
90%	5	5	Variance	1.698997
95%	5	5	Skewness	-1.385068
99%	5	5	Kurtosis	4.478979

SCALE DESCRIPTION

This scale captures the tendency of facilities to use CQI or performance Improvement approaches (project teams, action taken on project team findings, management is trained in CQI/TQM principles, overall reviews, and CQI/TQM is incorporated into an incentive plan.) The numerical value for this validation scale is the count of these five items, and higher values imply greater commitment to CQI. The items comprising this scale form an internally consistent set (KR20=0.71).

ITEMS IN SCALE

item	varlab
as43a	AS 43a. how use cqi tech-form proj teams
as43b	AS 43b. how use cqi tech-act on team find
as43c	AS 43c. how use cqi tech-train management
as43d	AS 43d. how use cqi tech-conduct review
as43e	AS 43e. how use cqi tech-use cqi\tqm meas

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
DRG01	Antipsychotic high & low risk (CHSRA)
DRG02	Antipsychotic high risk (CHSRA)
DRG03	Antipsychotic low risk (CHSRA)

LEVEL-2 QIs

qi	varlab
INF0X	Infection flare-up (MEGAQI)
CNT04	UTI (CHSRA)
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)
CNT02	Bowel incont decline (LTCQ)
CNT03	Bladder incont decline (LTCQ)
RES01	Restraints (CHSRA)

Record of MH Prof (RNJ) val65+

	Percentiles	Smallest		
1%	1	1		
5%	1	1		
10%	1	1	Obs	166
25%	1	1	Sum of Wgt.	166
50%	3		Mean	3.825301
		Largest	Std. Dev.	2.607604
75%	5	10		
90%	8	10	Variance	6.799598
95%	9	10	Skewness	.6856596
99%	10	10	Kurtosis	2.439079

SCALE DESCRIPTION

This scale captures the tendency of charts to reflect assessment by a mental health professional. The numerical value is based on the proportion of charts where an assessment by a mental health professional would be indicated (see conditions below) and such an assessment was recorded. The scale takes on values between 1 and 10 corresponding to the proportion of eligible charts with MH professional assessment (1=0 to 10%, 2=11 to 20%,...10=90-100%). (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qilba	MRR 1b.a psychiatrist assess-cog status
qilca	MRR 1c.a other assess-cognitive status
qilbb	MRR 1b.b psychiatrist assess-commun
qilcb	MRR 1c.b other assess-communication
qilbc	MRR 1b.c psychiatrist assess-delirium
qilcc	MRR 1c.c other assess-delirium
qilbd	MRR 1b.d psychiatrist assess-depress
qilcd	MRR 1c.d other assess-depress
qilbe	MRR 1b.e psychiatrist assess-behavior
qilce	MRR 1c.e other assess-behavior
qilbj	MRR 1b.j psychiatrist assess-anti-psych
qilcj	MRR 1c.j other assess-anti-psych
qilbu	MRR 1b.u psychiatrist assess-soc isolation
qilcu	MRR 1c.u other assess-soc isolation

LEVEL-1 QIs

qi	varlab
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)
DEL0X	Delirium not remitting (MEGAQI)

Presence of MH prof (RNJ) VAL66+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.7259615
		Largest	Std. Dev.	1.010524
75%	1	4	Variance	1.021158
90%	2	4	Skewness	1.440982
95%	3	4	Kurtosis	4.465093
99%	4	4		

SCALE DESCRIPTION

This scale is an additive scale reflecting data collected in the administrator survey capturing reports of the presence of mental health professionals. Scale values range between 0 and 4 and reflect the count of whether or not psychiatrists, psychologists, geriatric nurse specialists, or psychiatric/clinical social workers are available in the facility. These four items form a moderately internally consistent set (KR20=0.64).

ITEMS IN SCALE

item	varlab
as13aa	AS 13aa. psychiatrist available
as13ba	AS 13ba. psychologist available
as13ca	AS 13ca. ger nurse spec available
as13da	AS 13da. psych soc worker available

LEVEL-1 QIs

qi	varlab
DEL0X	Delirium not remitting (MEGAQI)
BEH04	Behavior worsening (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)

Formal Delirium/Depression Approach (RNJ) val67+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	1	0	Sum of Wgt.	208
50%	2		Mean	1.961538
		Largest	Std. Dev.	1.215226
75%	2.5	4		
90%	4	4	Variance	1.476774
95%	4	4	Skewness	.1060037
99%	4	4	Kurtosis	2.397966

SCALE DESCRIPTION

This is an additive scale based on four derived indicators of the formality of the approach to delirium. The four indicators include: (1) the frequency of assessment for delirium and (2) depression, and (3) the presence of continuing education programs for CNAs in regards to depression and (4) delirium. The included indicators form a moderately internally consistent set (KR20=0.66).

ITEMS IN SCALE

item	varlab
as26aa	AS 26aa. rev prog-delirium-cna?
as26ab	AS 26ab. rev prog-delirium-rn,lpn\lvn?
as28bb	AS 28bb.2 adm depression, anxiety
as28cb	AS 28cb.2 adm delirium?
as28bb3	AS 28bb.3 weekly depression, anxiety
as28cb3	AS 28cb.3 weekly delirium?
as28bb4	AS 28bb.4 quarterly depression, anxiety
as28cb4	AS 28cb.4 quarterly delirium?

LEVEL-1 QIs

qi	varlab
DEL0X	Delirium not remitting (MEGAQI)
MOD03	Depression new or worse (LTCQ)
COG01	Cognition worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Personalized Rooms (RNJ) val70+

	Percentiles	Smallest		
1%	1	1		
5%	1	1		
10%	1	1	Obs	208
25%	2	1	Sum of Wgt.	208
50%	3		Mean	3.004808
		Largest	Std. Dev.	1.338748
75%	4	5		
90%	5	5	Variance	1.792247
95%	5	5	Skewness	-.2267545
99%	5	5	Kurtosis	1.833271

SCALE DESCRIPTION

This scale captures the extent that observers conducting the walk-through assessment in the morning, mealtime and evening find the rooms to be personalized. The numerical score is the factor score representing the shared variance for the three times of observation. Higher scores indicate greater number of rooms felt to be personalized by the observers. The items form an internally consistent set (alpha=0.96).

ITEMS IN SCALE

item	varlab
wam1	WT 1. rooms personalized
wml1	WT 1. rooms personalized
wpml	WT 1. rooms personalized

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
SOC02	Little or no activities (CHSRA)
MOD03	Depression new or worse (LTCQ)
DEL0X	Delirium not remitting (MEGAQI)

Observation of Movement Scale (JS) val72+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	2		Mean	2.091346
		Largest	Std. Dev.	1.947703
75%	3	6		
90%	6	6	Variance	3.793548
95%	6	6	Skewness	.6577935
99%	6	6	Kurtosis	2.330471

SCALE DESCRIPTION

This scale is based on observations made on the walk-through, and captures the tendency of the caregivers in the facility to encourage residents to be up and about: observations of residents ambulating, observations of staff assisting resident in mobility tasks. The scale includes observations made in the morning and evening. The numerical score for the scale is the number of six observations that are found to be often or very often. The derived indicators included in the scale form an internally consistent set (KR20=0.83).

ITEMS IN SCALE

item	varlab
wam12	WT 12. out of bed, not for nap or bedtime
wam17	WT 17. residents walking with devices
wam18	WT 18. staff help residents walking
wpm12	WT 12. out of bed, not for nap or bedtime
wpm17	WT 17. residents walking with devices
wpm18	WT 18. staff help residents walking

LEVEL-1 QIs

qi	varlab
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)
MOB01	Mobility decline (LTCQ)
WAL0X	Walking performance (MEGAQI)
Bedfast	Bedfast (CHSRA)

LEVEL-2 QIs

qi
none

varlab

Focus on Catheter (JNM) VAL74+

	Percentiles	Smallest		
1%	0	0		
5%	1	0		
10%	2	0	Obs	208
25%	5	1	Sum of Wgt.	208
50%	7		Mean	6.971154
		Largest	Std. Dev.	3.409157
75%	9	14		
90%	12	14	Variance	11.62235
95%	12	16	Skewness	.1596413
99%	14	17	Kurtosis	2.601246

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to attend to care practices and goals regarding bladder continence. See list of included items for full coverage. Medical record review items are converted to facility level binary indicators of the chart-level distribution is in the top 30th percentile. The numerical value for this scale is the additive sum of 18 indicators of high quality bladder continence care. The included items form an internally consistent set (KR20=0.71).

ITEMS IN SCALE

item	varlab
qi1p	MRR 1.p record of assess-bladder contin
qi4p	MRR 4.p on care plan-bladder continence
qi4ap	MRR 4a.o recent update-bladder contin
qi4bp	MRR 4b.p goals for improv-bladder contin
qi4cp	MRR 4c.p goals for prevent-bladder contin
qi4dp	MRR 4d.p nurse interven-bladder contin
qi4o	MRR 4.o on care plan-urinary catheter
qi4ao	MRR 4a.o recent update-urinary catheter
qi4bo	MRR 4b.o goals for improve-urinary cath
qi4co	MRR 4c.o goals for prevent-urinary cath
qi4do	MRR 4d.o nurse interven-urinary catheter
as14fb	AS 14fb. num resid in bladder training
as26ea	AS 26ea. rev prog-incontin prev-cna?
as26eb	AS 26eb. rev prog-incont prev-rn,lpn\lvn?
as37ag	AS 37ag. what cqi projs-urinary incont?
as25g	AS 25g. policy rev-use of catheters
as39d	AS 39d. which incl in cqi-urinary catheter
as39g	AS 39g. which incl in cqi-bladder incontin

LEVEL-1 QIs

qi	varlab
CAT01	Indwelling urin cath (LTCQ)
CAT02	Catheter (CHSRA)
CNT03	Bladder incont decline (LTCQ)

LEVEL-2 QIs

qi	varlab
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)

Physical Restraints (JA) VAL75+

	Percentiles	Smallest		
1%	-1.234876	-1.427581		
5%	-.7024661	-1.253605		
10%	-.5750239	-1.234876	Obs	208
25%	-.3197159	-1.16289	Sum of Wgt.	208
50%	-.0073641		Mean	-.0049683
		Largest	Std. Dev.	.4754297
75%	.3187663	.8699543		
90%	.6872487	.880581	Variance	.2260334
95%	.7893812	.9575474	Skewness	-.1554418
99%	.880581	1.11575	Kurtosis	2.88632

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to attend to care practices and goals regarding the use of restraints. See list of included items for full coverage. Medical record review items are converted to facility level binary indicators of the chart-level distribution is in the top 30th percentile. The numerical value for this scale is factor score underlying the covariance of the 16 included indicators of judicious physical restraint training and policies. The items included form an internally consistent set (alpha=0.76).

ITEMS IN SCALE

item	varlab
as21b	AS 21b. r\r progs-passive rantge of motion
as25f	AS 25f. policy rev-use of restraints
as26ja	AS 26ja. rev prog-restraints-cna?
as26jb	AS 26jb. rev prog-restraints-rn,lpn\lvn?
as33	AS 33. facility has falls committee?
as33c	AS 33c. falls review after every fall?
as37ae	AS 37ae. what cqi projs-restraints?
wam20	WT 20. residents with safety devices
qi11	MRR 1.1 record of assess-restraints
qi21	MRR 2.1 doc problem-restraints
qi31	MRR 3.1 new problem-restraints
qi41	MRR 4.1 on care plan-delirium
qi4b1	MRR 4b.1 goals for improve-restraints
qi4c1	MRR 4c.1 goals for prevent-restraints
qi4d1	MRR 4d.1 nurse interven-restraints
as28ka	AS 28ka. routin restraints?
as28kb	AS 28kb.2 adm restraints
as28kb3	AS 28kb.3 weekly restraints
as28kb4	AS 28kb.4 quarterly restraints
as28kb5	AS 28kb.5 annually restraints
as28kb6	AS 28kb.6 other restraints

LEVEL-1 QIs

qi
RES01

varlab
Restrains (CHSRA)

LEVEL-2 QIs

qi
none

varlab

Observed PU, Burns Tx & Prevention (JA) VAL77+

	Percentiles	Smallest		
1%	1	1		
5%	1	1		
10%	1.2	1	Obs	208
25%	1.6	1	Sum of Wgt.	208
50%	2.2		Mean	2.196154
		Largest	Std. Dev.	.8237915
75%	2.8	4		
90%	3.4	4	Variance	.6786325
95%	3.8	4.2	Skewness	.4170715
99%	4	4.2	Kurtosis	2.338349

SCALE DESCRIPTION

This scale captures the tendency of facilities to engage in activities consistent with good preventive actions for skin care. The numerical value for this scale is the factor score underlying the covariation of five markers of good preventive skin care: observations of residents with safety devices, observation of nurses repositioning, observation of repositioning devices, and observations of pressure relieving devices, and observation of 'bone-on' pressure relieving devices. The included items form an internally consistent set (alpha=0.88).

ITEMS IN SCALE

item	varlab
wam20	WT 20. residents with safety devices
wam21	WT 21. nurses turn and reposition res
wam22	WT 22. observe repositioning devices
wam23	WT 23. pressure reducing devices on bed
wam24	WT 24. pressure reducing devices bone on

LEVEL-1 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
BUR0X	Burns abrasions bruises (MEGAQI)

LEVEL-2 QIs

qi	varlab
RES01	Restraints (CHSRA)

Number of CNA Training Topics (JT) VAL78+

Percentiles		Smallest		
1%	0	0		
5%	4	0		
10%	5	0	Obs	207
25%	6	1	Sum of Wgt.	207
50%	8		Mean	7.874396
		Largest	Std. Dev.	2.440291
75%	10	11		
90%	11	11	Variance	5.955021
95%	11	11	Skewness	-.7558869
99%	11	11	Kurtosis	3.329837

SCALE DESCRIPTION

This scale uses administrative survey data to create an additive measure capturing the number of continuing education programs available for CNA's. Eleven training areas are included (see list of included items). The numerical value for this scale is the number of areas where training is available. The included indicators form an internally consistent set (KR20=0.76).

ITEMS IN SCALE

item	varlab
as26aa	AS 26aa. rev prog-delirium-cna?
as26ba	AS 26ba. rev prog-ulcer prevent-cna?
as26ca	AS 26ca. rev prog-funct declin risk-cna?
as26da	AS 26da. rev prog-pain manage-cna
as26ea	AS 26ea. rev prog-incontin prev-cna?
as26fa	AS 26fa. rev prog-commun chg-cna?
as26ga	AS 26ga. rev prog-behav funct-cna?
as26ha	AS 26ha. rev prog-burns, abras-cna?
as26ia	AS 26ia. rev prog-polypharmac-cna?
as26ja	AS 26ja. rev prog-restraints-cna?
as26ka	AS 26ka. rev prog-infect ctrl-cna?

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)

PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
INF0X	Infection flare-up (MEGAQI)
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)

Nutrition CQI (JT) VAL79+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	201
25%	1	0	Sum of Wgt.	201
50%	1		Mean	.7960199
		Largest	Std. Dev.	.4039605
75%	1	1		
90%	1	1	Variance	.1631841
95%	1	1	Skewness	-1.469248
99%	1	1	Kurtosis	3.158689

SCALE DESCRIPTION

This validation element is based on a single item, and is a binary indicator that identifies facilities that have a nutrition CQI or Performance Improvement project. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as37ab	AS 37ab. what cqi projs-nutrition?

LEVEL-1 QIs

qi	varlab
WGT01	Weight loss (LTCQ)
BMI0X	Low BMI (MEGAQI)

LEVEL-2 QIs

qi	varlab
NUT01	Tube feeding (RAMSEY)

Frequency of Comprehensive Assessments (JT) VAL80+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	2	0	Sum of Wgt.	208
50%	5		Mean	6.201923
		Largest	Std. Dev.	5.18802
75%	10	17		
90%	15	17	Variance	26.91555
95%	16	18	Skewness	.6223987
99%	17	19	Kurtosis	2.226198

SCALE DESCRIPTION

This validation scale captures frequency of assessments by a physician in 21 care areas using medical record review items. The facility level score on this validation scale is the count of twenty one areas where the facility ranks in the top 30th percentile in terms of the number of 20 charts reviewed that had an assessment by a physician noted. Higher values mean more care areas where a large proportion of residents receive physician assessments. The included items form an internally consistent set (KR20=0.88).

ITEMS IN SCALE

item	varlab
qila	MRR 1.a record of assess-cognit status
qilb	MRR 1.b record of assess-communication
qilc	MRR 1.c record of assess-delirium
qild	MRR 1.d record of assess-depression
qile	MRR 1.e record of assess-behav problems
qilf	MRR 1.f record of assess-adl improvement
qilg	MRR 1.g record of assess-adl decline
qilh	MRR 1.h record of assess-mobility\walking
qili	MRR 1.i record of assess-falls
qilj	MRR 1.j record of assess-drugs
qilk	MRR 1.k record of assess-pain
qill	MRR 1.l record of assess-restraints
qilm	MRR 1.m record of assess-feed tube
qiln	MRR 1.n record of assess-undernutr
qilo	MRR 1.o record of assess-indwell cath
qilp	MRR 1.p record of assess-bladder contin
qilq	MRR 1.q record of assess-bowel contin
qilr	MRR 1.r record of assess-infectiond
qils	MRR 1.s record of assess-pressure ulcers
qilt	MRR 1.t record of assess-burns, abrasions
qilu	MRR 1.u record of assess-soc isolation

LEVEL-1 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
DEL0X	Delirium not remitting (MEGAQI)
COG01	Cognition worsening (LTCQ)
CNT03	Bladder incont decline (LTCQ)
WGT01	Weight loss (LTCQ)

% Res w/Tx Plans for Weight Loss (JT) VAL81+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	.033908	0	Sum of Wgt.	208
50%	.070197		Mean	.0864734
		Largest	Std. Dev.	.0743268
75%	.1371473	.2857143		
90%	.1851852	.2857143	Variance	.0055245
95%	.2222222	.3	Skewness	.9032617
99%	.2857143	.3666667	Kurtosis	3.567228

SCALE DESCRIPTION

This scale captures the tendency of residents in the facility to have treatment plans for weight loss in place. The data are based on the medical record review, and the numerical value corresponds to the proportion of charts reviewed that the resident has a treatment plan for weight loss in place. Scale values range from 0 to 0.41 and reflect the actual proportion of charts reviewed where a treatment plan for weight loss is in place. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qi3en	MRR 3e.n current treatment-undernutrition

LEVEL-1 QIs

qi	varlab
WGT01	Weight loss (LTCQ)
BMI0X	Low BMI (MEGAQI)

LEVEL-2 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)

PT Asst FTE /100 Beds (BERG) VAL83+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	193
25%	0	0	Sum of Wgt.	193
50%	.6849315		Mean	1.554614
		Largest	Std. Dev.	2.501163
75%	2.01875	10.125		
90%	4.490741	10.86957	Variance	6.255815
95%	5.645833	11.25	Skewness	3.1911
99%	11.25	19.16667	Kurtosis	17.46271

SCALE DESCRIPTION

This scale captures the staffing intensity relative to physical therapy assistants. The numerical value is the number of full-time equivalent (FTE) physical therapy assistants per 100 beds. Higher values indicate greater staffing intensity.

(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as5ga	AS 5ga. pt asst hours worked in pay period
as5a	AS 5a. length of pay period
ass1	AS s1. how many beds

LEVEL-1 QIs

qi	varlab
WAL0X	Walking performance (MEGAQI)

LEVEL-2 QIs

qi	varlab
ADL01	ADL decline (CHSRA)
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)
MOB01	Mobility decline (LTCQ)
Bedfast	Bedfast (CHSRA)

OT & OT Asst FTE /100 Beds (BERG) VAL86+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	192
25%	0	0	Sum of Wgt.	192
50%	.9729799		Mean	2.180503
		Largest	Std. Dev.	3.247138
75%	3.081003	10.52632		
90%	6.666667	10.81081	Variance	10.54391
95%	8.875	12.5	Skewness	2.981313
99%	12.5	25.83333	Kurtosis	17.3537

SCALE DESCRIPTION

This scale captures the staffing intensity relative to occupational therapy (therapists & assistants). The numerical value is the number of OT and OT assistants FTE's per 100 beds. Higher values mean greater staffing intensity.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as5fa	AS 5fa. occ thrap hours worked in period
as5ha	AS 5ha. ot asst hours worked in pay period
ass1	AS s1. how many beds

LEVEL-1 QIs

qi	varlab
ADL03	ADL imprvmt in res. w/capacity (MEGAQI)
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)

LEVEL-2 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)

Level of OT PT Staffing (BERG) VAL87+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	191
25%	0	0	Sum of Wgt.	191
50%	2		Mean	1.329843
		Largest	Std. Dev.	.9353296
75%	2	2		
90%	2	2	Variance	.8748416
95%	2	2	Skewness	-.6986427
99%	2	2	Kurtosis	1.515102

SCALE DESCRIPTION

This scale captures the level of staffing in Occupational and physical therapy. Each facility has a scale on this index from 0 to 2. The default value is 0. Facilities can get a score of 1 if they have in-house PT & contract OT, and can get a value of 2 if they have in-house OT and in house PT. Higher values reflect greater commitment to staffing ancillary therapies. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as5eb	AS 5eb. number of phys theraps on staff
as5fb	AS 5fb. number of occ theraps on staff

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)
WAL0X	Walking performance (MEGAQI)
MOB01	Mobility decline (LTCQ)
Bedfast	Bedfast (CHSRA)

Cognitive Behavioral Care Practices (PILOT) VAL88+

Percentiles		Smallest		
1%	0	0		
5%	1	0		
10%	1	0	Obs	208
25%	3	0	Sum of Wgt.	208
50%	4		Mean	3.259615
		Largest	Std. Dev.	1.112035
75%	4	4		
90%	4	4	Variance	1.236622
95%	4	4	Skewness	-1.538903
99%	4	4	Kurtosis	4.480067

SCALE DESCRIPTION

This scale is an additive scale reflecting the presence of care practices consistent with good cognitive and behavioral management. The scale is derived from one created in the validation pilot. The numerical value is the sum of five indicators of good care: whether respondents to the administrator survey indicated that the extent of family involvement, charting behavior across shifts, vigilance in medication effects, and were present "a lot" . The items included form a moderately internally consistent scale (KR20=0.68).

ITEMS IN SCALE

item	varlab
as18a	AS 18a. pract-ask resid or family-cog chg?
as18b	AS 18b. pract-chart behav across shifts?
as18c	AS 18c. pract-ask resid or fam-behav chg?
as18d	AS 18d. pract-obs med changes?

LEVEL-1 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
DEL0X	Delirium not remitting (MEGAQI)

Emphasis on Mission (PILOT) VAL89+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	1	0	Obs	207
25%	1	0	Sum of Wgt.	207
50%	2		Mean	2.115942
		Largest	Std. Dev.	.9684774
75%	3	3		
90%	3	3	Variance	.9379485
95%	3	3	Skewness	-.7795867
99%	3	3	Kurtosis	2.505484

SCALE DESCRIPTION

This scale captures the tendency of the management of the facility to disseminate the nursing Mission Statement to staff. Three indicators are included: whether or not the Mission Statement is shared with newly admitted residents & families, included in the facility brochure, and whether or not it is distributed via the facility newsletter.

The items in this scale form a moderately internally consistent scale (KR20=0.60).

ITEMS IN SCALE

item	varlab
as24b	AS 24b. mission statem-expl to residents
as24c	AS 24c. mission ststem-incl in brochure
as24a	AS 24a. mission statem-employee eval based

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
RES01	Restraints (CHSRA)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)

Long Stay Staff deciles (PILOT) VAL90+

	Percentiles	Smallest		
1%	1	1		
5%	1	1		
10%	1	1	Obs	208
25%	3	1	Sum of Wgt.	208
50%	5.5		Mean	5.480769
		Largest	Std. Dev.	2.875789
75%	8	10		
90%	9	10	Variance	8.27016
95%	10	10	Skewness	.0015813
99%	10	10	Kurtosis	1.772046

SCALE DESCRIPTION

This scale captures the proportion of staff in three key areas that have been present in the facility for two or more years. The three key areas include licensed staff (RN, LPN, LVN) Certified Nursing Assistants, Certified Nursing Assistants, and Activities staff). The numerical value represented by this validation construct is the decile of the factor score underlying the co-variation of long-stay staff in these three areas. Higher values indicate greater long-stay staff. The coefficient alpha internal consistency reliability for this scale is 0.69

ITEMS IN SCALE

item	varlab
as8a3	AS 8a.3 rn\lpn\lvn staff - 2+ years
as8b3	AS 8b.3 cna 2+ years
as8c3	AS 8c.3 activity staff 2+ years
as5ab	AS 5ab. number of rns on staff
as5bb	AS 5bb. number of lpn\lvns on staff
as5cb	AS 5cb. number of na\cnas on staff
as5db	AS 5db. number of actdir\aidess on staff

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)
NUT01	Tube feeding (RAMSEY)

INF0X	Infection flare-up (MEGAQI)
CNT04	UTI (CHSRA)
MOD03	Depression new or worse (LTCQ)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
SOC02	Little or no activities (CHSRA)

Restorative Eating Care Provided (PILOT) VAL92+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	205
25%	0	0	Sum of Wgt.	205
50%	1		Mean	1.156098
		Largest	Std. Dev.	1.012193
75%	2	4		
90%	2	4	Variance	1.024534
95%	3	4	Skewness	.792966
99%	4	4	Kurtosis	3.35464

SCALE DESCRIPTION

This validation scale measures the tendency of the facility to offer different types of nutritionally oriented activities: eating/swallowing/meal training, regular use of between meal snacks, use of finger foods, and weekly or more frequent weight evaluation. This scale is based on one developed in the validation pilot, and while all indicators are positively correlated the four indicators comprise an only marginally internally consistent scale (KR20=0.49).

ITEMS IN SCALE

item	varlab
as14ca	AS 14ca. meal training in last week
as14ia	AS 14ia. regular snacks in last week
as14ja	AS 14ja. use finger foods in last week
as14ha	AS 14ha. weight eval in last week

LEVEL-1 QIs

qi	varlab
WGT01	Weight loss (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Activities in NH (PILOT) VAL93+

	Percentiles	Smallest		
1%	0	0		
5%	1	0		
10%	1	0	Obs	208
25%	1	0	Sum of Wgt.	208
50%	2		Mean	2.033654
		Largest	Std. Dev.	.8867365
75%	3	3		
90%	3	3	Variance	.7863016
95%	3	3	Skewness	-.3572735
99%	3	3	Kurtosis	1.984966

SCALE DESCRIPTION

This validation scale measures the level of activity displayed by facility residents or encouraged of residents. The scale uses walk-through and administrator survey items: whether or not residents are encouraged to engage in facility-wide activities "a lot" and if "often" or "very often" residents were observed to be out of bed and activities were available. This scale is based on one devised in the validation Pilot, and while the items are all positively correlated the items form a marginally internally consistent scale (KR20=0.41).

ITEMS IN SCALE

item	varlab
as18f	AS 18f. pract-encour res to participate?
wpm11	WT 11. variety of activities available
wpm12	WT 12. out of bed, not for nap or bedtime

LEVEL-1 QIs

qi	varlab
SOC02	Little or no activities (CHSRA)
MOD03	Depression new or worse (LTCQ)

LEVEL-2 QIs

qi	varlab
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)

Informal Pathways Communication (PILOT) VAL97+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.096154
		Largest	Std. Dev.	.9064368
75%	2	2		
90%	2	2	Variance	.8216276
95%	2	2	Skewness	-.1901619
99%	2	2	Kurtosis	1.249717

SCALE DESCRIPTION

This scale measures the presence of informal communication pathways among staff for depression and residents communication skills. The numerical value for this scale is the count of two indicators noting the presence of informal communication pathways in the two areas. The two items are highly inter-correlated ($r=0.64$) and the resulting additive scale is internally consistent ($KR20=0.79$).

ITEMS IN SCALE

item	varlab
as29c1	AS 29c.1 depression, mood-verb inform
as29j1	AS 29j.1 communic change-verb inform

LEVEL-1 QIs

qi	varlab
COM01	Communication worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

Direct Care Staff Involved for Residents who Fall
(PILOT) VAL98+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	175
25%	3	0	Sum of Wgt.	175
50%	4		Mean	3.874286
		Largest	Std. Dev.	1.943504
75%	5	7		
90%	6	7	Variance	3.777209
95%	7	7	Skewness	-.5101593
99%	7	7	Kurtosis	2.511374

SCALE DESCRIPTION

This scale captures the level of activity of the falls committee in the home, including the involvement of direct care staff, intensity of review of falls, size of falls committee, and representation of physical therapy and other therapies on the falls committee. The numerical value for this scale is the number of indicators of an involved falls committee (0-7). The items included in the scale (and listed below) are all positively correlated with the first principal component underlying the items, but the internal consistency of the items is marginal (KR20=0.52).

ITEMS IN SCALE

item	varlab
as33	AS 33. facility has falls committee?
as33b	AS 33b. unit staff on falls committee?
as33c	AS 33c. falls review after every fall?
as33ac	AS 33ac. num falls committee members-cn
as33ad	AS 33ad. num falls comm mems phys therap
as33ae	AS 33ae. num falls comm mems-other therap

LEVEL-1 QIs

qi	varlab
FAL01	Falls increase (LTCQ)

LEVEL-2 QIs

qi	varlab
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)

Training & Policy for Suspicious Skin (PILOT)
VAL99+

	Percentiles	Smallest		
1%	6	3		
5%	8	6		
10%	9	6	Obs	208
25%	11	6	Sum of Wgt.	208
50%	12		Mean	11.90385
		Largest	Std. Dev.	2.135593
75%	13	15		
90%	14	15	Variance	4.560758
95%	15	15	Skewness	-.9931256
99%	15	15	Kurtosis	4.087123

SCALE DESCRIPTION

This scale measures the level of training and policy intensity for monitoring and notification of suspicious skin condition. The numerical value is the count of fifteen indicators of high intensity monitoring or involvement in skin condition monitoring/notification. The numerical value used is the count of these fifteen indicators - suggestive of high quality skin care - are present as indicated by the respondent to the administrator survey. The included indicators form an moderately internally consistent set (KR20=0.61).

ITEMS IN SCALE

item	varlab
as25b	AS 25b. policy rev-docum methods for ulcers
as25a	AS 25a. policy rev-pressure relieving dev
as25p	AS 25p. policy rev-positioning
as26ba	AS 26ba. rev prog-ulcer prevent-cna?
as30g	AS 30g. skin policy-notify physician immed
as30b	AS 30b. skin policy-sched risk assessment
as30f	AS 30f. skin policy-notify np immediately
as30c	AS 30c. skin policy-frequent re-observe
as30e	AS 30e. skin policy-obtain consultation
as30d	AS 30d. skin policy-implement treatment
as26ha	AS 26ha. rev prog-burns, abras-cna?
as26hb	AS 26hb. rev prog-burns, abras-rn,lpn\lvn?
as30a	AS 30a. skin policy-sched freq observation
as26bb	AS 26bb. rev prog-ulcer preven-rn,lpn\lvn?
as26ab	AS 26ab. rev prog-delirium-rn,lpn\lvn?

LEVEL-1 QIs

qi	varlab
----	--------

BUR0X	Burns abrasions bruises (MEGAQI)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Policies & Procedures Dep/Del (PILOT) VAL100+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	2	0	Sum of Wgt.	208
50%	4		Mean	3.447115
		Largest	Std. Dev.	2.168526
75%	5	8		
90%	6	8	Variance	4.702504
95%	7	9	Skewness	.0706226
99%	8	9	Kurtosis	2.287594

SCALE DESCRIPTION

This scale measures the level of intensity of monitoring, assessing and recording anxious complaints, mood symptoms, and indicators of delirium. The numerical value represented by this scale is the count of nine indicators of more frequent assessments of mood, and delirious symptoms and associated features (see list of included items below). The items comprising this scale form an internally consistent set (KR20=0.70).

ITEMS IN SCALE

item	varlab
qila	MRR 1.a record of assess-cognit status
qild	MRR 1.d record of assess-depression
qilc	MRR 1.c record of assess-delirium
as28bb4	AS 28bb.4 quarterly depression, anxiety
as28ab4	AS 28ab.4 quarterly adv drug reaction
as28ba	AS 28ba. routin depression, anxiety?
as28bb	AS 28bb.2 adm depression, anxiety
as28ca	AS 28ca. routin delirium?
as28cb	AS 28cb.2 adm delirium?

LEVEL-1 QIs

qi	varlab
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
DEL0X	Delirium not remitting (MEGAQI)

Number of Policies Reviewed with New Hires (PILOT)
VAL101+

```
-----
```

	Percentiles	Smallest		
1%	0	0		
5%	4	0		
10%	6	0	Obs	208
25%	11	0	Sum of Wgt.	208
50%	14		Mean	12.46635
		Largest	Std. Dev.	4.077607
75%	16	16		
90%	16	16	Variance	16.62688
95%	16	16	Skewness	-1.359338
99%	16	16	Kurtosis	4.203614

SCALE DESCRIPTION

This scale represents the facility's commitment to reviewing care policies with new hires, and the breadth of the clinical areas encompassed in this commitment. Sixteen care areas are included in this scale (see list below) and the numerical value represented by the scale score is the count of the number of these areas reviewed with new hires. The items that go into this scale form an internally consistent set (KR20=0.91).

ITEMS IN SCALE

item	varlab
as25a	AS 25a. policy rev-pressure relieving dev
as25b	AS 25b. policy rev-docum methods for ulcers
as25c	AS 25c. policy rev-depression management
as25d	AS 25d. policy rev-use of hi risk meds
as25e	AS 25e. policy rev-use of feeding tubes
as25f	AS 25f. policy rev-use of restraints
as25g	AS 25g. policy rev-use of catheters
as25h	AS 25h. policy rev-pain management
as25i	AS 25i. policy rev-safety issues
as25j	AS 25j. policy rev-facility mission
as25k	AS 25k. policy rev-infection control
as25l	AS 25l. policy rev-patient rights
as25m	AS 25m. policy rev-abuse, neglect
as25n	AS 25n. policy rev-body mechanics
as25o	AS 25o. policy rev-weights
as25p	AS 25p. policy rev-positioning

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

	qi	varlab
BMI0X		Low BMI (MEGAQI)
CNT04		UTI (CHSRA)
BEH01		Behavior high & low risk (CHSRA)
BEH02		Behavior high risk (CHSRA)
BEH03		Behavior low risk (CHSRA)

COGimp Improvement Scale (JNM)val103+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.8798077
		Largest	Std. Dev.	1.067742
75%	2	3		
90%	3	3	Variance	1.140073
95%	3	3	Skewness	.813347
99%	3	3	Kurtosis	2.258743

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote cognitive functioning.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a moderately internally consistent set (KR20=0.66).

ITEMS IN SCALE

item		varlab
qi4ba	MRR 4b.a goals for improve-cognit	status
qi4ca	MRR 4c.a goals for prevent-cognit	status
qi4da	MRR 4d.a nurse interven-cognitive	status

(qi1a not included for psychometric reasons)

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)

Comm Improvement Scale (JNM)val104+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.1875
		Largest	Std. Dev.	1.158225
75%	2	4		
90%	3	4	Variance	1.341486
95%	3	4	Skewness	.6963668
99%	4	4	Kurtosis	2.456272

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote communicative improvement (of the resident). The numerical value represented by the scale score is the count of the number of items present. The items included form a marginal internally consistent set (KR20=0.55).

ITEMS IN SCALE

item	varlab
qi1b	MRR 1.b record of assess-communication
qi4bb	MRR 4b.b goals for improve-communication
qi4cb	MRR 4c.b goals for prevent-communication
qi4db	MRR 4d.b nurse interven-communication

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
COM01	Communication worsening (LTCQ)

Delirium Improvement Scale (JNM)val105+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	1.120192
		Largest	Std. Dev.	1.431183
75%	2	4		
90%	4	4	Variance	2.048286
95%	4	4	Skewness	.8883324
99%	4	4	Kurtosis	2.276636

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to resolve or otherwise address symptoms of delirium.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a highly internally consistent set (KR20=0.78).

ITEMS IN SCALE

item	varlab
qi1c	MRR 1.c record of assess-delirium
qi4bc	MRR 4b.c goals for improve-delirium
qi4cc	MRR 4c.c goals for prevent-delirium
qi4dc	MRR 4d.c nurse interven-delirium

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
DEL0X	Delirium not remitting (MEGAQI)

Mood Improvement Scale (JNM)val106+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.173077
		Largest	Std. Dev.	1.28869
75%	2	4		
90%	3	4	Variance	1.660721
95%	4	4	Skewness	.7069332
99%	4	4	Kurtosis	2.196092

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote optimal affective functioning.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a moderately internally consistent set (KR20=0.67).

ITEMS IN SCALE

item	varlab
qild	MRR 1.d record of assess-depression
qi4bd	MRR 4b.d goals for improv-depression
qi4cd	MRR 4c.d goals for prevent-depression
qi4dd	MRR 4d.d nurse interven-depression

LEVEL-1 QIs

qi	varlab
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)

Behavior Improvement Scale (JNM)val107+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.158654
		Largest	Std. Dev.	1.350907
75%	2	4		
90%	3	4	Variance	1.824949
95%	4	4	Skewness	.8060716
99%	4	4	Kurtosis	2.281622

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote or manage behavioral symptoms. The numerical value represented by the scale score is the count of the number of items present. The items included form a highly internally consistent set (KR20=0.74).

ITEMS IN SCALE

item	varlab
qi1e	MRR 1.e record of assess-behav problems
qi4be	MRR 4b.e goals for improve-behav probs
qi4ce	MRR 4c.e goals for prevent-behav problems
qi4de	MRR 4d.e nurse interven-behav problems

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)

ADLimp Improvement Scale (JNM)val108+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	1.177885
		Largest	Std. Dev.	1.636566
75%	3	4		
90%	4	4	Variance	2.678349
95%	4	4	Skewness	.8594757
99%	4	4	Kurtosis	1.955615

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote improvement in ADL functioning.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a highly internally consistent set (KR20=0.92).

ITEMS IN SCALE

item	varlab
qi1f	MRR 1.f record of assess-adl improvement
qi4bf	MRR 4b.f goals for improve-adl improv
qi4cf	MRR 4c.f goals for prevent-adl improv
qi4df	MRR 4d.f nurse interven-adl improvement

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)

ADLdec Improvement Scale (JNM)val109+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.163462
		Largest	Std. Dev.	1.355686
75%	2	4		
90%	3	4	Variance	1.837886
95%	4	4	Skewness	.809549
99%	4	4	Kurtosis	2.300092

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to impede or otherwise delay functional decline.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a highly internally consistent set (KR20=0.76).

ITEMS IN SCALE

item		varlab
qi1g	MRR 1.g record of assess-adl	decline
qi4bg	MRR 4b.g goals for improv-adl	decline
qi4cg	MRR 4c.g goals for prevent-adl	decline
qi4dg	MRR 4d.g nurse interven-adl	decline

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi		varlab
ADL02	ADL dec. following imprvnt	(MEGAQI)
ADL01		ADL decline (CHSRA)

MobWalk Improvement Scale (JNM)val110+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.177885
		Largest	Std. Dev.	1.355644
75%	2	4		
90%	3	4	Variance	1.837769
95%	4	4	Skewness	.7363253
99%	4	4	Kurtosis	2.186132

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote mobility or walking.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a highly internally consistent set (KR20=0.73).

ITEMS IN SCALE

item	varlab
qi1h	MRR 1.h record of assess-mobility\walking
qi4bh	MRR 4b.h goals for improv-mobility\walk
qi4ch	MRR 4c.h goals for prevent-mobility\walk
qi4dh	MRR 4d.h nurse interven-mobility\walking

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
WAL0X	Walking performance (MEGAQI)
MOB01	Mobility decline (LTCQ)

DROPPED

	Percentiles	Smallest		
1%	9	9		
5%	9	9		
10%	9	9	Obs	208
25%	9	9	Sum of Wgt.	208
50%	9		Mean	9
		Largest	Std. Dev.	0
75%	9	9		
90%	9	9	Variance	0
95%	9	9	Skewness	.
99%	9	9	Kurtosis	.

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to prevent or manage tendency for resident's to fall.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a marginal internally consistent set (KR20=0.39).

ITEMS IN SCALE

item	varlab
qili	MRR 1.i record of assess-falls
scale dropped	

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
FAL01	Falls increase (LTCQ)

Antipsyc Improvement Scale (JNM)val112+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	1.168269
		Largest	Std. Dev.	1.416109
75%	2	4		
90%	3	4	Variance	2.005365
95%	4	4	Skewness	.7749607
99%	4	4	Kurtosis	2.096004

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote appropriate use of antipsychotic medication. The numerical value represented by the scale score is the count of the number of items present. The items included form a highly internally consistent set (KR20=0.77).

ITEMS IN SCALE

item	varlab
qi1j	MRR 1.j record of assess-drugs
qi4bj	MRR 4b.j goals for improv-drugs
qi4cj	MRR 4c.j goals for prevent-drugs
qi4dj	MRR 4d.j nurse interven-drugs

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
DRG01	Antipsychotic high & low risk (CHSRA)
DRG02	Antipsychotic high risk (CHSRA)
DRG03	Antipsychotic low risk (CHSRA)

Pain Improvement Scale (JNM)val113+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.173077
		Largest	Std. Dev.	1.410398
75%	2	4		
90%	4	4	Variance	1.989223
95%	4	4	Skewness	.8822107
99%	4	4	Kurtosis	2.357754

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote detection and management of pain symptoms. The numerical value represented by the scale score is the count of the number of items present. The items included form a highly internally consistent set (KR20=0.76).

ITEMS IN SCALE

item	varlab
qilk	MRR 1.k record of assess-pain
qi4bk	MRR 4b.k goals for improve-pain
qi4ck	MRR 4c.k goals for prevent-pain
qi4dk	MRR 4d.k nurse interven-pain

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
PAN01	Pain worsening (LTCQ)
PAI0X	Pain poorly managed (MEGAQI)

Restrnt Improvement Scale (JNM)val114+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.072115
		Largest	Std. Dev.	1.296443
75%	2	4		
90%	3	4	Variance	1.680765
95%	4	4	Skewness	.9726217
99%	4	4	Kurtosis	2.694171

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to attenuate use of restraints.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a highly internally consistent set (KR20=0.74).

ITEMS IN SCALE

item	varlab
qi11	MRR 1.1 record of assess-restraints
qi4b1	MRR 4b.1 goals for improve-restraints
qi4c1	MRR 4c.1 goals for prevent-restraints
qi4d1	MRR 4d.1 nurse interven-restraints

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
RES01	Restraints (CHSRA)

Feedtube Improvement Scale (JNM)val115+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.125
		Largest	Std. Dev.	1.323788
75%	2	4		
90%	3	4	Variance	1.752415
95%	4	4	Skewness	.8340753
99%	4	4	Kurtosis	2.428203

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to ensure appropriate use of feeding tubes.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a highly internally consistent set (KR20=0.76).

ITEMS IN SCALE

item	varlab
qi1m	MRR 1.m record of assess-feed tube
qi4bm	MRR 4b.m goals for improv-tube feeding
qi4cm	MRR 4c.m goals for prevent-tube feeding
qi4dm	MRR 4d.m nurse interven-tube feeding

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
NUT01	Tube feeding (RAMSEY)

LowBMI Improvement Scale (JNM)val1116+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.192308
		Largest	Std. Dev.	1.341114
75%	2	4		
90%	3	4	Variance	1.798588
95%	4	4	Skewness	.7543137
99%	4	4	Kurtosis	2.244991

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote maintenance of body weight.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a highly internally consistent set (KR20=0.73).

ITEMS IN SCALE

item	varlab
qi1n	MRR 1.n record of assess-undernutr
qi4bn	MRR 4b.n goals for improve-undernutrit
qi4cn	MRR 4c.n goals for prevent-undernutrit
qi4dn	MRR 4d.n nurse interven-undernutrition

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
BMI0X	Low BMI (MEGAQI)
WGT01	Weight loss (LTCQ)

IUCath Improvement Scale (JNM)val117+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.163462
		Largest	Std. Dev.	1.297419
75%	2	4		
90%	3	4	Variance	1.683296
95%	4	4	Skewness	.7588252
99%	4	4	Kurtosis	2.306327

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote vigilance of indwelling urinary catheters. The numerical value represented by the scale score is the count of the number of items present. The items included form a highly internally consistent set (KR20=0.76).

ITEMS IN SCALE

item	varlab
qi1o	MRR 1.o record of assess-indwell cath
qi4bo	MRR 4b.o goals for improve-urinary cath
qi4co	MRR 4c.o goals for prevent-urinary cath
qi4do	MRR 4d.o nurse interven-urinary catheter

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
CAT01	Indwelling urin cath (LTCQ)

BladCont Improvement Scale (JNM)val118+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.177885
		Largest	Std. Dev.	1.180392
75%	2	4		
90%	3	4	Variance	1.393325
95%	3	4	Skewness	.676959
99%	4	4	Kurtosis	2.411534

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote improvement in bladder functioning.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a marginal internally consistent set (KR20=0.52).

ITEMS IN SCALE

item		varlab
qi1p	MRR 1.p record of assess-bladder contin	
qi4bp	MRR 4b.p goals for improv-bladder contin	
qi4cp	MRR 4c.p goals for prevent-bladder contin	
qi4dp	MRR 4d.p nurse interven-bladder contin	

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
CNT03	Bladder incont decline (LTCQ)
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)

BowlCont Improvement Scale (JNM)val119+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.168269
		Largest	Std. Dev.	1.218042
75%	2	4		
90%	3	4	Variance	1.483626
95%	4	4	Skewness	.7690187
99%	4	4	Kurtosis	2.53062

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote improvement in bowel functioning.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a marginal internally consistent set (KR20=0.58).

ITEMS IN SCALE

item		varlab
qi1q	MRR 1.q record of assess-bowel	contin
qi4bq	MRR 4b.q goals for improv-bowel	contin
qi4cq	MRR 4c.q goals for prevent-bowel	contin
qi4dq	MRR 4d.q nurse interven-bowel	contin

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
CNT02	Bowel incont decline (LTCQ)
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)

Infectns Improvement Scale (JNM)val120+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.177885
		Largest	Std. Dev.	1.387345
75%	2	4		
90%	4	4	Variance	1.924726
95%	4	4	Skewness	.865434
99%	4	4	Kurtosis	2.360706

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote good care for infections.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a highly internally consistent set (KR20=0.80).

ITEMS IN SCALE

item	varlab
qilr	MRR 1.r record of assess-infectiond
qi4br	MRR 4b.r goals for improv-infections
qi4cr	MRR 4c.r goals for prevent-infections
qi4dr	MRR 4d.r nurse interven-infections

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
INF0X	Infection flare-up (MEGAQI)

PressUlc Improvement Scale (JNM)val121+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	.8798077
		Largest	Std. Dev.	.9220728
75%	1	3		
90%	2	3	Variance	.8502183
95%	3	3	Skewness	.7216078
99%	3	3	Kurtosis	2.52403

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote fast resolution or prevention of pressure sores. The numerical value represented by the scale score is the count of the number of items present. The items included form a marginal internally consistent set (KR20=0.42).

ITEMS IN SCALE

item	varlab
qi4bs	MRR 4b.s goals for improv-press ulcers
qi4cs	MRR 4c.s goals for prevent-press ulcers
qi4ds	MRR 4d.s nurse interven-pressure ulcers

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)

BurnTear Improvement Scale (JNM)val122+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	1.168269
		Largest	Std. Dev.	1.449822
75%	2	4		
90%	4	4	Variance	2.101983
95%	4	4	Skewness	.8109805
99%	4	4	Kurtosis	2.13514

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote good skin care strategies.

The numerical value represented by the scale score is the count of the number of items present.

The items included form a highly internally consistent set (KR20=0.84).

ITEMS IN SCALE

item	varlab
qi1t	MRR 1.t record of assess-burns, abrasions
qi4bt	MRR 4b.t goals for improv-burns, abras
qi4ct	MRR 4c.t goals for prevent-burns, abras
qi4dt	MRR 4d.t nurse interven-burns, abrasions

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
BUR0X	Burns abrasions bruises (MEGAQI)

NoActivt Improvement Scale (JNM)val123+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	1		Mean	1.1875
		Largest	Std. Dev.	1.389553
75%	2	4		
90%	3	4	Variance	1.930857
95%	4	4	Skewness	.7883846
99%	4	4	Kurtosis	2.211934

SCALE DESCRIPTION

This scale uses a combination of medical record review data elements (indicators defined within the top 30th percentile) and administrative survey items (see list below) to create a summative index of four items capturing the facility's tendency to engage in assessment and goal setting activities to promote social engagement or activity participation. The numerical value represented by the scale score is the count of the number of items present. The items included form a highly internally consistent set (KR20=0.80).

ITEMS IN SCALE

item	varlab
qilu	MRR 1.u record of assess-soc isolation
qi4bu	MRR 4b.u goals for improv-soc isolation
qi4cu	MRR 4c.u goals for prevent-soc isolation
qi4du	MRR 4d.u nurse interven-social isolation

LEVEL-1 QIs

qi	varlab
none	

LEVEL-2 QIs

qi	varlab
SOC02	Little or no activities (CHSRA)

PT FTE /100 Beds (BERG) VAL146+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	193
25%	0	0	Sum of Wgt.	193
50%	.7407407		Mean	1.771261
		Largest	Std. Dev.	2.60463
75%	2.33125	9.129465		
90%	5.55147	10.22727	Variance	6.784097
95%	7.85	12.5	Skewness	1.965342
99%	12.5	13.51351	Kurtosis	6.769558

SCALE DESCRIPTION

This scale measures the facility's level of physical therapist staffing, providing the number of full-time equivalents (FTE) per 100 beds. Higher values imply a greater number of PTs are available per resident. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
as5ea	AS 5ea. phys therap hours worked in period
as5a	AS 5a. length of pay period
ass1	AS s1. how many beds

LEVEL-1 QIs

qi	varlab
WAL0X	Walking performance (MEGAQI)

LEVEL-2 QIs

qi	varlab
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)
ADL03	ADL imprvmt in res. w/capacity (MEGAQI)
MOB01	Mobility decline (LTCQ)

Total Involvement in Care Planning (SC) vall147+

Percentiles		Smallest		
1%	0	0		
5%	1	0		
10%	2	0	Obs	206
25%	3	0	Sum of Wgt.	206
50%	4		Mean	3.859223
		Largest	Std. Dev.	1.547488
75%	5	6		
90%	6	6	Variance	2.394719
95%	6	6	Skewness	-.2785486
99%	6	6	Kurtosis	2.312735

SCALE DESCRIPTION

This scale captures the representation of six different clinical and ancillary caregivers on the care planning team. The six areas are listed below. The numerical value represented by this scale is the count of the six professionals represented on the care planning team. Higher values imply greater breadth and inclusion in the care planning process. The items included in this scale form a moderately internally consistent set (KR20=0.62).

ITEMS IN SCALE

item	varlab
as9a	AS 9a. chg nurse contrib to pat care plan
as9b	AS 9b. rns contrib to patient care plan
as9c	AS 9c. lpns contrib to patient care plan
as9d	AS 9d. r\r aides contrib to pat care plan
as9e	AS 9e. therap contrib to patient care plan
as9f	AS 9f. cnas contrib to patient care plan

LEVEL-1 QIs

qi	varlab
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)
ADL03	ADL imprvmt in res. w/capacity (MEGAQI)
FAL01	Falls increase (LTCQ)
MOB01	Mobility decline (LTCQ)
WGT01	Weight loss (LTCQ)
WAL0X	Walking performance (MEGAQI)

LEVEL-2 QIs

qi	varlab
----	--------

MOD03	Depression new or worse (LTCQ)
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
COG01	Cognition worsening (LTCQ)
COM01	Communication worsening (LTCQ)
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

COG Change (based on val46) (VM) val148+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	.0377493		Mean	.0689167
		Largest	Std. Dev.	.0857445
75%	.1111111	.3		
90%	.2	.3214286	Variance	.0073521
95%	.25	.3333333	Skewness	1.572006
99%	.3214286	.5	Kurtosis	6.06779

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to cognition. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's cognition status changed, 2 if pain changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility.
(Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qi3a	MRR 3.a new problem-cognitive status
qi3aa	MRR 3a.a doc in 72 hours-cog status
qi3ba	MRR 3b.a phys notified of chg-cog stat
qi3ca	MRR 3c.a ther notified of chg-cig stat
qi3da	MRR 3d.a refer w specialist-cog status
qi3ea	MRR 3e.a current treatment-cog status

LEVEL-1 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

COM Change (based on val46) (VM) val149+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	0		Mean	.0193978
		Largest	Std. Dev.	.0398052
75%	.0333333	.1785714		
90%	.0689655	.2	Variance	.0015845
95%	.0909091	.2	Skewness	2.588993
99%	.2	.2222222	Kurtosis	10.55169

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's communicative skills. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3b	MRR 3.b new problem-communicatiion
qi3ab	MRR 3a.b doc in 72 hours-communication
qi3bb	MRR 3b.b phys notified of chg-communic
qi3cb	MRR 3c.b ther notified of chg-commun
qi3db	MRR 3d.b refer w specialist-commun
qi3eb	MRR 3e.b current treatment-communicatn

LEVEL-1 QIs

qi	varlab
COM01	Communication worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

DEL Change (based on val46) (VM) val150+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	0		Mean	.047219
		Largest	Std. Dev.	.069094
75%	.0740741	.2758621		
90%	.1333333	.28	Variance	.004774
95%	.1818182	.3333333	Skewness	2.313143
99%	.28	.4666667	Kurtosis	10.85788

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's delirium symptoms. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3c	MRR 3.c new problem-delirium
qi3ac	MRR 3a.c doc in 72 hours-delirium
qi3bc	MRR 3b.c phys notified of chg-delirium
qi3cc	MRR 3c.c ther notified of chg-delirium
qi3dc	MRR 3d.c refer w specialist-delirium
qi3ec	MRR 3e.c current treatment-delirium

LEVEL-1 QIs

qi	varlab
DEL0X	Delirium not remitting (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	

MOD Change (based on val46) (VM) val151+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	.0666667		Mean	.0889105
		Largest	Std. Dev.	.1020762
75%	.137931	.3793103		
90%	.2413793	.4137931	Variance	.0104195
95%	.2962963	.44	Skewness	1.433355
99%	.4137931	.5333334	Kurtosis	4.993957

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's affective functioning. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3d	MRR 3.d new problem-depression
qi3ad	MRR 3a.d doc in 72 hours-depression
qi3bd	MRR 3b.d phys notified of chg-depression
qi3cd	MRR 3c.d ther notified of chg-depression
qi3dd	MRR 3d.d refer w specialist-depression
qi3ed	MRR 3e.d current treatment-depression

LEVEL-1 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
none	

BEH Change (based on val46) (VM) val152+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	.0714286		Mean	.0932223
		Largest	Std. Dev.	.1013801
75%	.137931	.3928571		
90%	.2413793	.4	Variance	.0102779
95%	.3	.4666667	Skewness	1.325648
99%	.4	.5185185	Kurtosis	4.802193

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's behavioral functioning. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3e	MRR 3.e new problem-behav problems
qi3ae	MRR 3a.e doc in 72 hours-behav problems
qi3be	MRR 3b.e phys notified of chg-behav probs
qi3ce	MRR 3c.e ther notified of chg-behav probs
qi3de	MRR 3d.e refer w specialist-behav probs
qi3ee	MRR 3e.e current treatment-behav prob

LEVEL-1 QIs

qi	varlab
BEH01	Behavior high & low risk (CHSRA)
BEH02	Behavior high risk (CHSRA)
BEH03	Behavior low risk (CHSRA)
BEH04	Behavior worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

ADI Change (based on val46) (VM) val153+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	.0384615		Mean	.1204369
		Largest	Std. Dev.	.1803624
75%	.1481481	.6896552		
90%	.4074074	.75	Variance	.0325306
95%	.5909091	.7857143	Skewness	2.000967
99%	.75	.8571429	Kurtosis	6.49604

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in improving ADL status of the resident. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3f	MRR 3.f new problem-adl improvement
qi3af	MRR 3a.f doc in 72 hours-adl improvement
qi3bf	MRR 3b.f phys notified of chg-adl improv
qi3cf	MRR 3c.f ther notified of chg-adl improv
qi3df	MRR 3d.f refer w specialist-adl improve
qi3ef	MRR 3e.f current treatment-adl improve

LEVEL-1 QIs

qi	varlab
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	

ADD Change (based on val46) (VM) val154+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	.0740741		Mean	.1320905
		Largest	Std. Dev.	.1688581
75%	.2	.6818182		
90%	.3448276	.7391304	Variance	.0285131
95%	.4814815	.7777778	Skewness	1.942163
99%	.7391304	.9285714	Kurtosis	7.295704

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in declining ADL status of the resident. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3g	MRR 3.g new problem-adl decline
qi3ag	MRR 3a.g doc in 72 hours-adl decline
qi3bg	MRR 3b.g phys notified of chg-adl decline
qi3cg	MRR 3c.g ther notified of chg-adl decline
qi3dg	MRR 3d.g refer w specialist-adl decline
qi3eg	MRR 3e.g current treatment-adl decline

LEVEL-1 QIs

qi	varlab
ADL01	ADL decline (CHSRA)
ADL02	ADL dec. following imprvnt (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	

MOB Change (based on val46) (VM) val155+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	.0333333	0	Sum of Wgt.	206
50%	.124359		Mean	.2109656
		Largest	Std. Dev.	.2575461
75%	.2857143	.9166667		
90%	.6	1.033333	Variance	.06633
95%	.7586207	1.037037	Skewness	1.894465
99%	1.033333	1.607143	Kurtosis	7.474715

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's level of mobility. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3h	MRR 3.h new problem-mobolity\walking
qi3ah	MRR 3a.h doc in 72 hours-mobility\walk
qi3bh	MRR 3b.h phys notified of chg-mobil\walk
qi3ch	MRR 3c.h ther notified of chg-mobil\walk
qi3dh	MRR 3d.h refer w specialist-mobil\walk
qi3eh	MRR 3e.h current treatment-mobil\walking

LEVEL-1 QIs

qi	varlab
MOB01	Mobility decline (LTCQ)
WAL0X	Walking performance (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	

FAL Change (based on val46) (VM) val156+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	.0344828	0	Sum of Wgt.	206
50%	.1155556		Mean	.1468956
		Largest	Std. Dev.	.1351112
75%	.2307692	.4761905		
90%	.3448276	.5172414	Variance	.018255
95%	.4137931	.6428571	Skewness	1.0697
99%	.5172414	.6785714	Kurtosis	4.13215

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's risk for a fall. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3i	MRR 3.i new problem w delirium
qi3ai	MRR 3a.i doc in 72 hours-falls
qi3bi	MRR 3b.i phys notified of chg-falls
qi3ci	MRR 3c.i ther notified of chg-falls
qi3di	MRR 3d.i refer w specialist-falls
qi3ei	MRR 3e.i current treatment-falls

LEVEL-1 QIs

qi	varlab
FAL01	Falls increase (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

DRG Change (based on val46) (VM) val157+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	.0344828		Mean	.0555901
		Largest	Std. Dev.	.0722503
75%	.08	.2962963		
90%	.1428571	.3	Variance	.0052201
95%	.2105263	.3043478	Skewness	1.547343
99%	.3	.3103448	Kurtosis	5.191354

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the residents use of antipsychotic meds. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3j	MRR 3.j new problem-drugs
qi3aj	MRR 3a.j doc in 72 hours-drugs
qi3bj	MRR 3b.j phys notified of chg-drugs
qi3cj	MRR 3c.j ther notified of chg-drugs
qi3dj	MRR 3d.j refer w specialist-drugs
qi3ej	MRR 3e.j current treatment-drugs

LEVEL-1 QIs

qi	varlab
DRG01	Antipsychotic high & low risk (CHSRA)
DRG02	Antipsychotic high risk (CHSRA)
DRG03	Antipsychotic low risk (CHSRA)

LEVEL-2 QIs

qi	varlab
none	

RES Change (based on val46) (VM) val158+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	0		Mean	.0281937
		Largest	Std. Dev.	.0499167
75%	.037037	.1904762		
90%	.0769231	.2222222	Variance	.0024917
95%	.137931	.25	Skewness	2.330191
99%	.2222222	.2857143	Kurtosis	9.171563

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the use of restraints. For all charts that were in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3l	MRR 3.1 new problem-restraints
qi3al	MRR 3a.1 doc in 72 hours-restraints
qi3bl	MRR 3b.1 phys notified of chg-restraints
qi3cl	MRR 3c.1 ther notified of chg-restraints
qi3dl	MRR 3d.1 refer w specialist-restraints
qi3el	MRR 3e.1 current treatment-restraints

LEVEL-1 QIs

qi	varlab
RES01	Restraints (CHSRA)

LEVEL-2 QIs

qi	varlab
none	

NUT Change (based on val46) (VM) val159+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	0		Mean	.03068
		Largest	Std. Dev.	.0536685
75%	.0666667	.2068966		
90%	.1071429	.2068966	Variance	.0028803
95%	.1538462	.2307692	Skewness	1.879285
99%	.2068966	.2333333	Kurtosis	5.951236

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the nutritional status of the resident. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3m	MRR 3.m new problem-tube feeding
qi3am	MRR 3a.m doc in 72 hours-tube feeding
qi3bm	MRR 3b.m phys notified of chg-tube feeding
qi3cm	MRR 3c.m ther notified of chg-tube feeding
qi3dm	MRR 3d.m refer w specialist-tube feeding
qi3em	MRR 3e.m current treatment-tube feeding

LEVEL-1 QIs

qi	varlab
NUT01	Tube feeding (RAMSEY)

LEVEL-2 QIs

qi	varlab
none	

WGT Change (based on val46) (VM) val160+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	.0344828	0	Sum of Wgt.	206
50%	.137931		Mean	.1514251
		Largest	Std. Dev.	.1327962
75%	.2333333	.5		
90%	.3214286	.5714286	Variance	.0176348
95%	.3809524	.6	Skewness	1.009756
99%	.5714286	.7	Kurtosis	4.186769

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's weight or weight loss. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3n	MRR 3.n new problem-overnutrition
qi3an	MRR 3a.n doc in 72 hours-overnutrition
qi3bn	MRR 3b.n phys notified of chg-overnutrit
qi3cn	MRR 3c.n ther notified of chg-overnutrit
qi3dn	MRR 3d.n refer w specialist-overnutrition
qi3en	MRR 3e.n current treatment-overnutrition

LEVEL-1 QIs

qi	varlab
BMI0X	Low BMI (MEGAQI)
WGT01	Weight loss (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

CAT Change (based on val46) (VM) val161+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	.037037		Mean	.0696104
		Largest	Std. Dev.	.0926728
75%	.1071429	.3703704		
90%	.2068966	.3793103	Variance	.0085883
95%	.2413793	.44	Skewness	1.796667
99%	.3793103	.5	Kurtosis	6.729243

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's catheter. For all charts that were in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3o	MRR 3.o new problem-urinary catheter
qi3ao	MRR 3a.o doc in 72 hours-urinary catheter
qi3bo	MRR 3b.o phys notified of chg-urinary cath
qi3co	MRR 3c.o ther notified of chg-urinary cath
qi3do	MRR 3d.o refer w specialist-urinary catheter
qi3eo	MRR 3e.o current treatment-urinary catheter

LEVEL-1 QIs

qi	varlab
CAT01	Indwelling urin cath (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

BLA Change (based on val46) (VM) val162+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	206
25%	0	0	Sum of Wgt.	206
50%	0		Mean	.0343736
		Largest	Std. Dev.	.05081
75%	.0666667	.173913		
90%	.1071429	.1785714	Variance	.0025817
95%	.1428571	.2068966	Skewness	1.853156
99%	.1785714	.3181818	Kurtosis	7.599785

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's level of bladder continence. All Charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3p	MRR 3.p new problem-bladder continence
qi3ap	MRR 3a.p doc in 72 hours-bladder contin
qi3bp	MRR 3b.p phys notif of chg-bladder contin
qi3cp	MRR 3c.p ther notif of chg-bladder contin
qi3dp	MRR 3d.p refer w specialist-bladder contin
qi3ep	MRR 3e.p current treatment-bladder contin

LEVEL-1 QIs

qi	varlab
CNT03	Bladder incont decline (LTCQ)
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)

LEVEL-2 QIs

qi	varlab
none	

BOW Change (based on val46) (VM) val163+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.0116268
		Largest	Std. Dev.	.0269791
75%	0	.1153846		
90%	.04	.1333333	Variance	.0007279
95%	.0714286	.1363636	Skewness	2.837367
99%	.1333333	.16	Kurtosis	11.87326

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's level of bowel continence. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3q	MRR 3.q new problem-bowel continence
qi3aq	MRR 3a.q doc in 72 hours-bowel contin
qi3bq	MRR 3b.q phys notif of chg-bowel contin
qi3cq	MRR 3c.q ther notif of chg-bowel contin
qi3dq	MRR 3d.q refer w specialist-bowel contin
qi3eq	MRR 3e.q current treatment-bowel contin

LEVEL-1 QIs

qi	varlab
CNT02	Bowel incont decline (LTCQ)
CNT01	Incontinence hi & lo risk (CHSRA)
CNT05	Incontinence high risk (CHSRA)
CNT06	Incontinence low risk (CHSRA)

LEVEL-2 QIs

qi	varlab
none	

INF Change (based on val46) (VM) val164+

	Percentiles	Smallest		
1%	0	0		
5%	.0666667	0		
10%	.0833333	0	Obs	208
25%	.1952381	0	Sum of Wgt.	208
50%	.3333333		Mean	.3593815
		Largest	Std. Dev.	.2188422
75%	.5	.862069		
90%	.6666667	.8888889	Variance	.0478919
95%	.76	.9259259	Skewness	.5484843
99%	.8888889	1.111111	Kurtosis	2.929917

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's status in re infections. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3r	MRR 3.r new problem-infections
qi3ar	MRR 3a.r doc in 72 hours-infections
qi3br	MRR 3b.r phys notif of chg-infections
qi3cr	MRR 3c.r ther notif of chg-infections
qi3dr	MRR 3d.r refer w specialist-infections
qi3er	MRR 3e.r current treatment-infections

LEVEL-1 QIs

qi	varlab
INF0X	Infection flare-up (MEGAQI)
CNT04	UTI (CHSRA)

LEVEL-2 QIs

qi	varlab
none	

PRU Change (based on val46) (VM) val165+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	.0408333	0	Sum of Wgt.	208
50%	.137931		Mean	.1633256
		Largest	Std. Dev.	.1458643
75%	.2320513	.5862069		
90%	.35	.75	Variance	.0212764
95%	.4137931	.7586207	Skewness	1.407435
99%	.75	.7619048	Kurtosis	5.838603

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's pressure sores. For all charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3s	MRR 3.s new problem-pressure ulcers
qi3as	MRR 3a.s doc in 72 hours-pressure ulcers
qi3bs	MRR 3b.s phys notif of chg-pressure ulcers
qi3cs	MRR 3c.s ther notif of chg-pressure ulcers
qi3ds	MRR 3d.s refer w specialist-pressure ulcers
qi3es	MRR 3e.s current treatment-pressure ulcers

LEVEL-1 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

BUR Change (based on val46) (VM) val166+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	.0344828	0	Sum of Wgt.	208
50%	.0909091		Mean	.1331115
		Largest	Std. Dev.	.1399105
75%	.1923077	.5238096		
90%	.3043478	.5666667	Variance	.019575
95%	.4583333	.6071429	Skewness	1.594947
99%	.5666667	.7916667	Kurtosis	5.933088

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's skin condition. For all charts that were in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3t	MRR 3.t new problem-burns, abrasions
qi3at	MRR 3a.t doc in 72 hours-burns, abrasions
qi3bt	MRR 3b.t phys notif of chg-burns, abras
qi3ct	MRR 3c.t ther notif of chg-burns, abras
qi3dt	MRR 3d.t refer w specialist-burns, abrasions
qi3et	MRR 3e.t current treatment-burns, abrasions

LEVEL-1 QIs

qi	varlab
BUR0X	Burns abrasions bruises (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	

SOC Change (based on val46) (VM) val167+

	Percentiles	Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	208
25%	0	0	Sum of Wgt.	208
50%	0		Mean	.0204198
		Largest	Std. Dev.	.0456744
75%	0	.1818182		
90%	.0714286	.2142857	Variance	.0020862
95%	.1333333	.2173913	Skewness	2.824972
99%	.2142857	.2692308	Kurtosis	11.48496

SCALE DESCRIPTION

This scale captures the tendency of caregivers in the facility to change care plan in response to changes in the resident's level of social engagement. All charts in the record review, the scale is initialized at 0 and is 1 if there is evidence that the resident's status changed, 2 if changed and at least 2 of the following: evidence of assessment w/in 72 hours, notification of physician, therapies notified, referral or consult ordered, or a treatment was in place. The numerical value is the average for all charts in the facility. (Internal consistency NA).

ITEMS IN SCALE

item	varlab
qi3u	MRR 3.u new problem-social isolation
qi3au	MRR 3a.u doc in 72 hours-social isolation
qi3bu	MRR 3b.u phys notif of chg-soc isolation
qi3cu	MRR 3c.u ther notif of chg-soc isolation
qi3du	MRR 3d.u refer w specialist-socila isolation
qi3eu	MRR 3e.u current treatment-social isolation

LEVEL-1 QIs

qi	varlab
SOC02	Little or no activities (CHSRA)

LEVEL-2 QIs

qi	varlab
none	

Match of K2 & Care Plan (MATCHPLAN) (VM) VAL168+

Percentiles		Smallest		
1%	.1333333	.08		
5%	.2758621	.1		
10%	.32	.1333333	Obs	206
25%	.4333333	.1904762	Sum of Wgt.	206
50%	.5536399		Mean	.5734583
		Largest	Std. Dev.	.1953091
75%	.7142857	.9666666		
90%	.862069	1	Variance	.0381456
95%	.8928571	1	Skewness	.1059362
99%	1	1	Kurtosis	2.509303

SCALE DESCRIPTION

This scale captures the tendency of the care plan to match data recorded elsewhere in the medical chart. The numerical value for this score is the proportion of charts with pain noted as a problem in the chart and also have evidence of pain care planning with regards to pain. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qi2k	MRR 2.k doc problem-pain
qi4K	
qi4ak	MRR 4a.k recent update-pain
qi4bK	
qi4ck	MRR 4c.k goals for prevent-pain
qi4dk	MRR 4d.k nurse interven-pain

LEVEL-1 QIs

qi	varlab
PAI0X	Pain poorly managed (MEGAQI)
PAN01	Pain worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Match of Chart & Care Plan (COG) VAL169+

	Percentiles	Smallest		
1%	0	0		
5%	.6538461	0		
10%	.7777778	.3333333	Obs	192
25%	.9023809	.375	Sum of Wgt.	192
50%	1		Mean	.9210405
		Largest	Std. Dev.	.1523203
75%	1	1		
90%	1	1	Variance	.0232015
95%	1	1	Skewness	-3.327256
99%	1	1	Kurtosis	17.23802

SCALE DESCRIPTION

This scale captures the tendency of the care plan to match data recorded elsewhere in the medical chart. The numerical value for this score is the proportion of charts with cognition noted as a problem in the chart and also have evidence of pain care planning with regards to pain. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qi2a	MRR 2.a doc problem-cognitive status
qi4a	MRR 4.a on care plan-cognitive status
qi4aa	MRR 4a.a recent update-cognit status
qi4ba	MRR 4b.a goals for improve-cognit status
qi4ca	MRR 4c.a goals for prevent-cognit status
qi4da	MRR 4d.a nurse interven-cognitive status

LEVEL-1 QIs

qi	varlab
COG01	Cognition worsening (LTCQ)

LEVEL-2 QIs

qi	varlab
none	

Match of Chart & Care Plan (MOD) VAL170+

Percentiles		Smallest		
1%	0	0		
5%	.5	0		
10%	.75	0	Obs	194
25%	.8666667	.2857143	Sum of Wgt.	194
50%	1		Mean	.8991624
		Largest	Std. Dev.	.1851803
75%	1	1		
90%	1	1	Variance	.0342918
95%	1	1	Skewness	-2.729341
99%	1	1	Kurtosis	11.42806

SCALE DESCRIPTION

This scale captures the tendency of the care plan to match data recorded elsewhere in the medical chart. The numerical value for this score is the proportion of charts with affective functioning noted as a problem in the chart and care plan. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qi2d	MRR 2.d doc problem-depression
qi4d	MRR 4.d on care plan-cognitive status
qi4ad	MRR 4a.d recent update-depression
qi4bd	MRR 4b.d goals for improv-depression
qi4cd	MRR 4c.d goals for prevent-depression
qi4dd	MRR 4d.d nurse interven-depression

LEVEL-1 QIs

qi	varlab
MOD03	Depression new or worse (LTCQ)
DepWOTx	Depression without treatment (CHSRA)

LEVEL-2 QIs

qi	varlab
none	

Match of Chart & Care Plan (ADI) VAL171+

Percentiles		Smallest		
1%	0	0		
5%	0	0		
10%	0	0	Obs	137
25%	.5	0	Sum of Wgt.	137
50%	.875		Mean	.7222176
		Largest	Std. Dev.	.3578526
75%	1	1		
90%	1	1	Variance	.1280584
95%	1	1	Skewness	-1.09298
99%	1	1	Kurtosis	2.753384

SCALE DESCRIPTION

This scale captures the tendency of the care plan to match data recorded elsewhere in the medical chart. The numerical value for this score is the proportion of charts with ADL functioning noted as a problem in the chart and care plan. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item		varlab
qi2f	MRR 2.f doc problem-adl improvement	
qi4f	MRR 4.f on care plan-delirium	
qi4af	MRR 4a.f recent update-adl improvement	
qi4bf	MRR 4b.f goals for improve-adl improv	
qi4cf	MRR 4c.f goals for prevent-adl improv	
qi4df	MRR 4d.f nurse interven-adl improvement	

LEVEL-1 QIs

qi		varlab
ADL03	ADL imprvmnt in res. w/capacity (MEGAQI)	

LEVEL-2 QIs

qi		varlab
none		

Match of Chart & Care Plan (MOB) VAL172+

	Percentiles	Smallest		
1%	.2857143	.1428571		
5%	.6666667	.2857143		
10%	.7777778	.5	Obs	199
25%	.9047619	.5384616	Sum of Wgt.	199
50%	1		Mean	.9341925
		Largest	Std. Dev.	.1245138
75%	1	1		
90%	1	1	Variance	.0155037
95%	1	1	Skewness	-2.983607
99%	1	1	Kurtosis	14.7687

SCALE DESCRIPTION

This scale captures the tendency of the care plan to match data recorded elsewhere in the medical chart. The numerical value for this score is the proportion of charts with mobility functioning noted as a problem in the chart and care plan. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qi2h	MRR 2.h doc problem-mobolity\walking
qi4h	MRR 4.h on care plan-communication
qi4ah	MRR 4a.h recent update-mobility\walking
qi4bh	MRR 4b.h goals for improv-mobility\walk
qi4ch	MRR 4c.h goals for prevent-mobility\walk
qi4dh	MRR 4d.h nurse interven-mobility\walking

LEVEL-1 QIs

qi	varlab
MOB01	Mobility decline (LTCQ)
WAL0X	Walking performance (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	

Match of Chart & Care Plan (INF) VAL173+

	Percentiles	Smallest			
1%	0	0			
5%	.1333333	0			
10%	.4	0	Obs		179
25%	.6	0	Sum of Wgt.		179
50%	.8571429		Mean		.7679908
		Largest	Std. Dev.		.2721518
75%	1	1			
90%	1	1	Variance		.0740666
95%	1	1	Skewness		-1.15596
99%	1	1	Kurtosis		3.702884

SCALE DESCRIPTION

This scale captures the tendency of the care plan to match data recorded elsewhere in the medical chart. The numerical value for this score is the proportion of charts with infection noted as a problem in the chart and care plan. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qi2r	MRR 2.r doc problem-infections
qi4r	MRR 4.r on care plan-infections
qi4ar	MRR 4a.r recent update-infections
qi4br	MRR 4b.r goals for improv-infections
qi4cr	MRR 4c.r goals for prevent-infections
qi4dr	MRR 4d.r nurse interven-infections

LEVEL-1 QIs

qi	varlab
INF0X	Infection flare-up (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	

Match of Chart & Care Plan (PRU) VAL174+

	Percentiles	Smallest		
1%	.1111111	0		
5%	.25	0		
10%	.375	.1111111	Obs	202
25%	.52	.1666667	Sum of Wgt.	202
50%	.7142857		Mean	.69131
		Largest	Std. Dev.	.2398549
75%	.9	1		
90%	1	1	Variance	.0575304
95%	1	1	Skewness	-.5216469
99%	1	1	Kurtosis	2.602947

SCALE DESCRIPTION

This scale captures the tendency of the care plan to match data recorded elsewhere in the medical chart. The numerical value for this score is the proportion of charts with pressure ulcers noted as a problem in the chart and care plan. (Internal consistency reliability not applicable).

ITEMS IN SCALE

item	varlab
qi2s	MRR 2.s doc problem-pressure ulcers
qi4s	MRR 4.s on care plan-pressure ulcers
qi4as	MRR 4a.s recent update-pressure ulcers
qi4bs	MRR 4b.s goals for improv-press ulcers
qi4cs	MRR 4c.s goals for prevent-press ulcers
qi4ds	MRR 4d.s nurse interven-pressure ulcers

LEVEL-1 QIs

qi	varlab
PRU01	PU high & low risk (CHSRA)
PRU02	PU high risk (CHSRA)
PRU03	PU low risk (CHSRA)
PRU04	PU onset or worsening (LTCQ)
BUR0X	Burns abrasions bruises (MEGAQI)

LEVEL-2 QIs

qi	varlab
none	