MAKING THE "MINIMUM DATA SET" COMPLIANT WITH HEALTH INFORMATION TECHNOLOGY STANDARDS

ATTACHMENT D:

ADDITIONAL ITEM MATCHES FOR SAMPLED MDSv3

Additional Term Matches for Sampled MDSv3

> *Key*:
> --***Broadest***
> --***More Specific/direct child of Broadest***
> --***Most Specific/direct child of More Specific***
> **** Indentation also denotes increasingly specific hierarchical relationships**

SECTION .AA - The Basic Assessment Tracking Form

Best Match Term	Best Match Term Namespace
Administrative information (administrative concept)	SNOMED CT

Section AA2 *(GENDER)*
Female

Best Match Term	Best Match Term Namespace
Female (10384)	HL7V3
Female (finding)	SNOMED CT

Male

Best Match Term	Best Match Term Namespace
Male (10383)	HL7V3
Male (finding)	SNOMED CT

SECTION .AB, AC, AD - Background (Face Sheet) Information at Admission Form

Best Match Term	Best Match Term Namespace
Administrative information (administrative concept)	SNOMED CT

Section AB7 *(Education)*
No schooling

Best Match Term	Best Match Term Namespace
No formal education (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Not receiving an education (finding)	SNOMED CT

Section AB10 *(CONDITIONS RELATED TO MR/DD STATUS)*
MR/DD with organic condition

Broader Match Term	Broader Match Term Namespace
Developmental mental disorder (disorder)	SNOMED CT

AB10e Other organic condition related to MR/DD

Partial Match Term	Partial Match Term Namespace
Developmental disorder NOS (disorder)	SNOMED CT

Section A-Q – Clinical Assessment

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

Section E1 (INDICATORS OF DEPRESSION, ANXIETY, SAD MOOD)
1.VERBAL EXPRESSIONS OF DISTRESS

Broader Match Term	Broader Match Term Namespace
Signs/symptoms-mental/emotional surveillance (regime/therapy)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Distress (finding)	SNOMED CT

HOPELESSNESS

Best Match Term	Best Match Term Namespace
Feeling hopeless (finding)	SNOMED CT

HELPLESSNESS

Best Match Term	Best Match Term Namespace
Feeling powerless (finding)	SNOMED CT

WORTHLESSNESS

Partial Match Term	Partial Match Term Namespace
Poor self-esteem (finding)	SNOMED CT
Poor self-image (finding)	SNOMED CT
Self-depreciation (finding)	SNOMED CT

SADNESS

Best Match Term	Best Match Term Namespace
Depression (finding)	SNOMED CT

IRRITABILITY

Best Match Term	Best Match Term Namespace
Feeling irritable (finding)	SNOMED CT

Pervasive ANXIETY OR PANIC

Best Match Term	Best Match Term Namespace
Severe anxiety (panic) (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Chronic anxiety (finding)	SNOMED CT
Panic (finding)	SNOMED CT

ANHEDONIA

Best Match Term	Best Match Term Namespace
Anhedonia (finding)	SNOMED CT

2.DISTRESS MAY ALSO BE EXPRESSED NON-VERBALLY AND IDENTIFIED THROUGH OBSERVATION OF THE RESIDENT IN THE FOLLOWING AREAS DURING USUAL DAILY ROUTINES:

Broader Match Term	Broader Match Term Namespace
Emotional state finding (finding)	SNOMED CT
Signs/symptoms-mental/emotional surveillance (regime/therapy)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Distress (finding)	SNOMED CT

2.1.SLEEP-CYCLE ISSUES

Best Match Term	Best Match Term Namespace
Sleep pattern disturbance (finding)	SNOMED CT
Broader Match Term	**Broader Match Term Namespace**
Finding of sleep rest pattern (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Sleeping out (finding)	SNOMED CT

INSOMNIA or change in usual sleep pattern

Best Match Term	Best Match Term Namespace
Dyssomnia (disorder)	SNOMED CT
Broader Match Term	**Broader Match Term Namespace**
Sleep pattern finding (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Insomnia (disorder)	SNOMED CT
Poor sleep pattern (finding)	SNOMED CT
Sleep-wake schedule disorder (disorder)	SNOMED CT

2.2.SAD, APATHETIC, ANXIOUS APPEARANCE

Broader Match Term	Broader Match Term Namespace
Personal appearance, function (observable entity)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Indifference (finding)	SNOMED CT
Level of anxiety (observable entity)	SNOMED CT

2.3.LOSS OF INTEREST

Best Match Term	Best Match Term Namespace
Loss of interest (finding)	SNOMED CT

Section I1 (DISEASES)
1.ENDOCRINE/METABOLIC/ NUTRITIONAL

Best Match Term	Best Match Term Namespace
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS [240-279.99]	ICD-9-CM
Partial Match Term	**Partial Match Term Namespace**
DISEASES OF OTHER ENDOCRINE GLANDS [250-259.99]	ICD-9-CM
Disorder of endocrine system (disorder)	SNOMED CT
DISORDERS OF THYROID GLAND [240-246.99]	ICD-9-CM
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS [240-279.99]	ICD-9-CM
Metabolic disease (disorder)	SNOMED CT
NUTRITIONAL DEFICIENCIES [260-269.99]	ICD-9-CM
Nutritional disorder (disorder)	SNOMED CT
OTHER METABOLIC AND IMMUNITY DISORDERS [270-279.99]	ICD-9-CM

2.HEART/CIRCULATION

Best Match Term	Best Match Term Namespace
DISEASES OF THE CIRCULATORY SYSTEM [390-459.99]	ICD-9-CM

3.MUSCULOSKELETAL

Best Match Term	Best Match Term Namespace
Disorder of musculoskeletal system (disorder)	SNOMED CT
NO_ICD9_BEST_MATCH	MDS
Partial Match Term	**Partial Match Term Namespace**
Disorder of bone and cartilage, unspecified [733.90]	ICD-9-CM

5.NEUROLOGICAL

Best Match Term	Best Match Term Namespace
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS [320-389.99]	ICD-9-CM
Disorder of nervous system (disorder)	SNOMED CT

6.PSYCHIATRIC/MOOD

Best Match Term	Best Match Term Namespace
Mental disorder (disorder) MENTAL DISORDERS [290-319.99]	SNOMED CT ICD-9-CM
Broader Match Term	**Broader Match Term Namespace**
Anxiety states [300.0]	ICD-9-CM
Partial Match Term	**Partial Match Term Namespace**
History of - psychiatric disorder (context-dependent category) Mood disorder (disorder)	SNOMED CT SNOMED CT

7.PULMONARY

Best Match Term	Best Match Term Namespace
Disorder of lung (disorder)	SNOMED CT

8.SENSORY

Best Match Term	Best Match Term Namespace
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS [320-389.99] Sensory disorder (disorder)	ICD-9-CM SNOMED CT

9.OTHER (diseases)

Best Match Term	Best Match Term Namespace
Personal history of unspecified disease [V13.9] Unspecified conditions (disorder)	ICD-9-CM SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Other disease/injury (disorder)	SNOMED CT

SECTION J. HEALTH CONDITIONS (non v2)

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS
Partial Match Term	**Partial Match Term Namespace**
Clinical history and observation findings (finding)	SNOMED CT

Check all problems present in last 7 days unless other time frame is indicated)

Partial Match Term	Partial Match Term Namespace
Assessment of past history (regime/therapy)	SNOMED CT
In the past (qualifier value)	SNOMED CT
Disease (disorder)	SNOMED CT

Unsteady gait

Best Match Term	Best Match Term Namespace
Unsteady gait (finding)	SNOMED CT

BALANCE

Best Match Term	Best Match Term Namespace
Ability to balance (observable entity)	SNOMED CT
Finding related to ability to balance (finding)	SNOMED CT

Unsteady gait subitems

Best Match Term	Best Match Term Namespace
Unsteady gait (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Unsteady when walking (finding)	SNOMED CT

Balance while walking (including change in direction)

Best Match Term	Best Match Term Namespace
Finding of turning balance when walking (finding)	SNOMED CT

Balance with transition sit to stand

Best Match Term	Best Match Term Namespace
Finding related to ability to stand from sitting (finding)	SNOMED CT

Dizziness/vertigo/light-headed or Fainting

Best Match Term	Best Match Term Namespace
Dizziness and giddiness (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Dizziness (finding)	SNOMED CT
Syncope (disorder)	SNOMED CT
Vertigo (finding)	SNOMED CT

CARDIAC/PULMONARY (v3)

Partial Match Term	Partial Match Term Namespace
Disorder of cardiovascular system (disorder)	SNOMED CT
Disorder of respiratory system (disorder)	SNOMED CT

J1d Chest pain/pressure on exertion

Best Match Term	Best Match Term Namespace
Chest pain on exertion (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Chest pain on exertion (finding)	SNOMED CT
Tight chest (finding)	SNOMED CT

J1e Chest pain/pressure at rest

Best Match Term	Best Match Term Namespace
Chest pain at rest (finding)	SNOMED CT

FLUID STATUS

Best Match Term	Best Match Term Namespace
Fluid balance observable (observable entity)	SNOMED CT

INDICATORS OF FLUID STATUS

Best Match Term	Best Match Term Namespace
Fluid balance observable (observable entity)	SNOMED CT
Hydration status regulation assessment (regime/therapy)	SNOMED CT

Vomiting (w/ weight loss and fever?)

Partial Match Term	Partial Match Term Namespace
Vomiting (disorder)	SNOMED CT

Dehydration

Best Match Term	Best Match Term Namespace
Dehydration (disorder)	SNOMED CT

Needs assistance and/or prompting to access fluids

Best Match Term	Best Match Term Namespace
Fluid intake encouragement (regime/therapy)	SNOMED CT

RESPIRATORY CONDITIONS

Best Match Term	Best Match Term Namespace
Respiratory finding (finding)	SNOMED CT

J1k Recurrent lung aspirations in last 90 days

Partial Match Term	Partial Match Term Namespace
Aspiration into respiratory tract (finding)	SNOMED CT
Pulmonary aspiration (finding)	SNOMED CT
Recurrent (qualifier value)	SNOMED CT

J1p Shortness of breath with exertion (e.g. taking a bath)

Best Match Term	Best Match Term Namespace
Dyspnea on exertion (finding)	SNOMED CT

J1q Shortness of breath at rest

Best Match Term	Best Match Term Namespace
Dyspnea at rest (finding)	SNOMED CT

J1r Difficulty coughing and clearing airway

Best Match Term	Best Match Term Namespace
Difficulty expectorating (finding)	SNOMED CT
Ineffective airway clearance (finding)	SNOMED CT

OTHER (v3)

Best Match Term	Best Match Term Namespace
Other (qualifier value)	SNOMED CT

OTHER (health conditions)

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

Fractures (from any source)

Best Match Term	Best Match Term Namespace
Fracture of bone (disorder)	SNOMED CT

AGGREGATE severity [and alterability? Timeframe?]

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

Easily altered

Partial Match Term	Partial Match Term Namespace
Compliance behavior (observable entity)	SNOMED CT

Not easily altered, does cause distress to resident, staff or others

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

VERBALLY AGGRESSIVE BEHAVIORAL SYMPTOMS

Best Match Term	Best Match Term Namespace
Verbal aggression (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Screaming attack (finding)	SNOMED CT
Verbally abusive behavior (finding)	SNOMED CT
Verbally threatening behavior (finding)	SNOMED CT

PHYSICALLY AGGRESSIVE BEHAVIORAL SYMPTOMS

Best Match Term	Best Match Term Namespace
Fighting (finding)	SNOMED CT
Broader Match Term	**Broader Match Term Namespace**
Aggressive behavior (finding)	SNOMED CT
Physical aggression (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Grabbing hold of other person (finding)	SNOMED CT
Hitting other person (finding)	SNOMED CT
Pushing other person (finding)	SNOMED CT
Scratching other person (finding)	SNOMED CT
Sexually abusive behavior (finding)	SNOMED CT
Violent acts towards others (finding)	SNOMED CT

NON-AGGRESSIVE BEHAVIORAL SYMPTOMS

Broader Match Term	Broader Match Term Namespace
Finding relating to complex and social behaviors (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Problem behavior (finding)	SNOMED CT

Delirium

Best Match Term	Best Match Term Namespace
Delirium (disorder)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Delirium due to conditions classified elsewhere [293.0]	ICD-9-CM
Presenile dementia with delirium [290.11]	ICD-9-CM

No

Best Match Term	Best Match Term Namespace
No (qualifier value)	SNOMED CT

Yes

Best Match Term	Best Match Term Namespace
Yes (qualifier value)	SNOMED CT

Is there evidence of an acute change in mental status from the patients baseline

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS
Partial Match Term	**Partial Match Term Namespace**
Abnormal mental state (finding)	SNOMED CT
Mental state finding (finding)	SNOMED CT
Baseline state (finding)	SNOMED CT
Changed status (qualifier value)	SNOMED CT
Unstable status (qualifier value)	SNOMED CT

Did the (abnormal) thinking fluctuate during the day, that is, tend to come and go or increase and decrease in severity?

Partial Match Term	Partial Match Term Namespace
Delirium (disorder)	SNOMED CT
Disturbance in content of thought (finding)	SNOMED CT
Fluctuation (finding)	SNOMED CT

Did the patient have difficulty focusing or paying attention, for example being easily distractible (or distracted) or having difficulty keeping track of what was being said?

Best Match Term	Best Match Term Namespace
Disturbance of attention (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Easily distracted (finding)	SNOMED CT

Would you rate this resident as lethargic?

Partial Match Term	Partial Match Term Namespace
Evaluation procedure (procedure)	SNOMED CT
Lethargy (finding)	SNOMED CT

Does the resident show evidence of new onset of agitation or inappropriate behavior?

Best Match Term	Best Match Term Namespace
Acute onset (qualifier value)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Adult dyssocial behavior (finding)	SNOMED CT
On examination - agitated (context-dependent category)	SNOMED CT

Hallucinations/Delusions

Partial Match Term	Partial Match Term Namespace
Delusions (finding)	SNOMED CT
Hallucinations (finding)	SNOMED CT

Check if problem present in last 7 days

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

Hallucinations (abnormal experiences of sounds, vision or touch)

Best Match Term	Best Match Term Namespace
Hallucinations (finding)	SNOMED CT

PAIN ASSESSMENT (v3)

Best Match Term	Best Match Term Namespace
Pain assessment (regime/therapy)	SNOMED CT

Time Period for Pain Assessment and Pain Management

Partial Match Term	Partial Match Term Namespace
Pain assessment (regime/therapy)	SNOMED CT
Pain control management (procedure)	SNOMED CT
Pain management (procedure)	SNOMED CT
Time periods (qualifier value)	SNOMED CT

Pain Presence

Best Match Term	Best Match Term Namespace
Pain (finding)	SNOMED CT

Does the resident report pain?

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

0

Best Match Term	Best Match Term Namespace
0 (qualifier value)	SNOMED CT

No

Best Match Term	Best Match Term Namespace
No (qualifier value)	SNOMED CT

1

Best Match Term	Best Match Term Namespace
+1 (qualifier value)	SNOMED CT

Yes

Best Match Term	Best Match Term Namespace
Yes (qualifier value)	SNOMED CT

Best Match Term	Best Match Term Namespace
+2 (qualifier value)	SNOMED CT

Unable to report

Partial Match Term	Partial Match Term Namespace
Report status (finding)	SNOMED CT

Does pain interfere with residents normal activities?

Broader Match Term	Broader Match Term Namespace
Finding related to ability to perform activities of everyday life (finding)	SNOMED CT

0

Best Match Term	Best Match Term Namespace
0 (qualifier value)	SNOMED CT

No

Best Match Term	Best Match Term Namespace
No (qualifier value)	SNOMED CT

1

Best Match Term	Best Match Term Namespace
+1 (qualifier value)	SNOMED CT

Yes

Best Match Term	Best Match Term Namespace
Yes (qualifier value)	SNOMED CT

2

Best Match Term	Best Match Term Namespace
+2 (qualifier value)	SNOMED CT

Unable to report

Partial Match Term	Partial Match Term Namespace
Report status (finding)	SNOMED CT

Pain Assessment (separate intensity and duration items)

Broader Match Term	Broader Match Term Namespace
Feature of present pain intensity (observable entity)	SNOMED CT
Finding of present pain intensity (finding)	SNOMED CT
Pain intensity (observable entity)	SNOMED CT

MDS manual definition of pain - (Manual definition matching exercise) [Draft]

acute pain [Draft]

Best Match Term	Best Match Term Namespace
Acute pain (finding)	SNOMED CT

chronic pain [Draft]

Best Match Term	Best Match Term Namespace
Chronic pain (finding)	SNOMED CT

continuous pain [Draft]

Best Match Term	Best Match Term Namespace
Chronic intractable pain (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Continuous (qualifier value)	SNOMED CT
Pain (finding)	SNOMED CT

generalized pain [Draft]

Best Match Term	Best Match Term Namespace
[D]Pain, generalized (context-dependent category)	SNOMED CT
Generalized aches and pains (finding)	SNOMED CT

pain at rest [Draft]

Best Match Term	Best Match Term Namespace
Rest pain (finding)	SNOMED CT

pain finding [Draft]

Best Match Term	Best Match Term Namespace
Pain (finding)	SNOMED CT

pain with movement [Draft]

Best Match Term	Best Match Term Namespace
Pain on joint movement (finding)	SNOMED CT

physical discomfort [Draft]

Best Match Term	Best Match Term Namespace
Discomfort (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Physical (qualifier value)	SNOMED CT

physical pain [Draft]

Best Match Term	Best Match Term Namespace
Sympathetically maintained pain (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Characteristic of pain at anatomical site (observable entity)	SNOMED CT

Determine the intensity of pain at its worst using a standardized pain intensity scale

Partial Match Term	Partial Match Term Namespace
Pain intensity (observable entity)	SNOMED CT

Mild pain (1-3 NRS; Face #2; Mild VDS; Slight/mild PT)

Best Match Term	Best Match Term Namespace
Mild pain (finding)	SNOMED CT

Moderate pain (4-5 NRS; Face #3; Moderate VDS; Moderate PT)

Best Match Term	Best Match Term Namespace
Moderate pain (finding)	SNOMED CT

Severe pain (6-7 on NRS; Face #4; Severe VDS; Severe PT)

Best Match Term	Best Match Term Namespace
Severe pain (finding)	SNOMED CT

Very severe; horrible pain (80 on NRS; Face #5#6; Very severe/Worst possible pain VDS; Extreme/Bad as Can Be PT)

Best Match Term	Best Match Term Namespace
Horrible present pain (finding)	SNOMED CT
Broader Match Term	**Broader Match Term Namespace**
Severe pain (finding)	SNOMED CT

Pain Assessment (report duration/frequency for each level of pain)

Broader Match Term	Broader Match Term Namespace
Frequency (attribute)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Pain assessment (regime/therapy)	SNOMED CT
Duration (attribute)	SNOMED CT

0

Best Match Term	Best Match Term Namespace
0 (qualifier value)	SNOMED CT

Did not occur

Broader Match Term	Broader Match Term Namespace
Failed encounter (finding)	SNOMED CT

1

Best Match Term	Best Match Term Namespace
+1 (qualifier value)	SNOMED CT

Breakthrough pain

Partial Match Term	Partial Match Term Namespace
Breakthrough (qualifier value)	SNOMED CT
Pain (finding)	SNOMED CT

2

Best Match Term	Best Match Term Namespace
+2 (qualifier value)	SNOMED CT

Comes and goes

Best Match Term	Best Match Term Namespace
Intermittent (qualifier value)	SNOMED CT

Constant/persistent

Broader Match Term	Broader Match Term Namespace
Other chronic pain (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Chronic intractable pain (finding)	SNOMED CT

Does the resident show nonverbal signs of pain?

Broader Match Term	Broader Match Term Namespace
Finding relating to non-verbal communication (finding)	SNOMED CT
Non-verbal communication observable (observable entity)	SNOMED CT

0

Best Match Term	Best Match Term Namespace
0 (qualifier value)	SNOMED CT

No

Best Match Term	Best Match Term Namespace
No (qualifier value)	SNOMED CT

1

Best Match Term	Best Match Term Namespace
+1 (qualifier value)	SNOMED CT

Best Match Term	Best Match Term Namespace
Yes (qualifier value)	SNOMED CT

If resident exhibits pain behaviors, check all that apply:

Broader Match Term	Broader Match Term Namespace
Finding related to pain control behavior (finding)	SNOMED CT

1. Non-verbal sounds (crying, whining, moaning, groaning)

Broader Match Term	Broader Match Term Namespace
Non-verbal communication observable (observable entity)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Pain and sensation symptom findings (context-dependent category)	SNOMED CT

2. Facial expressions - grimaces, winces, wrinkled forehead, furrowed brow, clenched teeth and jaw, rapid blinking

Best Match Term	Best Match Term Namespace
Finding of facial expression (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Clenching teeth (finding)	SNOMED CT
Facial expression (observable entity)	SNOMED CT
Facial grimacing (finding)	SNOMED CT
Finding of facial expression (finding)	SNOMED CT

3. Bracing, guarding, rubbing, massaging a body part/area,

Partial Match Term	Partial Match Term Namespace
Repetitive rubbing of body parts (finding)	SNOMED CT

4. Restlessness, agitation, combativeness, fidgeting, pacing, withdrawn

Best Match Term	Best Match Term Namespace
Behavior showing increased motor activity (finding)	SNOMED CT
Broader Match Term	**Broader Match Term Namespace**
Mental state finding (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Feeling agitated (finding)	SNOMED CT
Fidgeting (finding)	SNOMED CT
Fighting (finding)	SNOMED CT
Patient paced (finding)	SNOMED CT
Restlessness and agitation (finding)	SNOMED CT
Withdrawn (finding)	SNOMED CT

5. Mental status changes-confusion, distress,

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS
Partial Match Term	**Partial Match Term Namespace**
Acute confusion (finding)	SNOMED CT
Mental distress (finding)	SNOMED CT
Mental state finding (finding)	SNOMED CT
Abnormal mental state (finding)	SNOMED CT

6. Change in interpersonal interactions

Broader Match Term	Broader Match Term Namespace
Interpersonal relationship finding (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Socialization alteration (finding)	SNOMED CT

PAIN MANAGEMENT

Best Match Term	Best Match Term Namespace
Pain management (procedure)	SNOMED CT

Time Period for Pain Assessment and Pain Management

Partial Match Term	Partial Match Term Namespace
Pain assessment (regime/therapy)	SNOMED CT
Pain control management (procedure)	SNOMED CT
Pain management (procedure)	SNOMED CT
Time periods (qualifier value)	SNOMED CT

Is resident on pain management regimen?

Broader Match Term	Broader Match Term Namespace
Medical regimen orders assessment (regime/therapy)	SNOMED CT

0

Best Match Term	Best Match Term Namespace
0 (qualifier value)	SNOMED CT

No

Best Match Term	Best Match Term Namespace
No (qualifier value)	SNOMED CT

1

Best Match Term	Best Match Term Namespace
+1 (qualifier value)	SNOMED CT

Yes, PRN regimen only

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

2

Best Match Term	Best Match Term Namespace
+2 (qualifier value)	SNOMED CT

Yes, scheduled pain medication

Partial Match Term	Partial Match Term Namespace
Pain control management (procedure)	SNOMED CT

Yes, scheduled pain medications and other pain therapy modalities

Broader Match Term	Broader Match Term Namespace
Pain management (procedure)	SNOMED CT
Procedure related to management of drug administration (procedure)	SNOMED CT

J4 FALLS

Best Match Term	Best Match Term Namespace
Falls assessment (regime/therapy)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Number of falls (observable entity)	SNOMED CT

Number & Classification of Falls

Best Match Term	Best Match Term Namespace
Falls assessment (regime/therapy)	SNOMED CT
Broader Match Term	**Broader Match Term Namespace**
Falls assessment (regime/therapy)	SNOMED CT

Number and Type of Falls

Partial Match Term	Partial Match Term Namespace
Frequency of falls (observable entity)	SNOMED CT

0

Best Match Term	Best Match Term Namespace
0 (qualifier value)	SNOMED CT

1

Best Match Term	Best Match Term Namespace
+1 (qualifier value)	SNOMED CT

Best Match Term	Best Match Term Namespace
+2 (qualifier value)	SNOMED CT

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS
Partial Match Term	**Partial Match Term Namespace**
+3 (qualifier value)	SNOMED CT
Three (qualifier value)	SNOMED CT

a. No Injury-No evidence of any injury is noted during physical assessment by the nurse or primary care provider. No complaints of pain or injury are given by the resident. No change in residents behavior is noted

Partial Match Term	Partial Match Term Namespace
Injury (disorder)	SNOMED CT
No evidence of (contextual qualifier) (qualifier value)	SNOMED CT

b. Minor or moderate injury e.g. skin tears, abrasions or lacerations, superficial bruises or hematomas, sprains

Best Match Term	Best Match Term Namespace
Minor injury (morphologic abnormality)	SNOMED CT
Broader Match Term	**Broader Match Term Namespace**
Falling injury (finding)	SNOMED CT
Finding related to falls (finding)	SNOMED CT

c. Major injury e.g. bone fractures, joint dislocations, closed head injuries with altered consciousness

Best Match Term	Best Match Term Namespace
Major injury (morphologic abnormality)	SNOMED CT
Broader Match Term	**Broader Match Term Namespace**
Falling injury (finding)	SNOMED CT

Number of Falls

Best Match Term	Best Match Term Namespace
Number of falls (observable entity)	SNOMED CT

0

Best Match Term	Best Match Term Namespace
0 (qualifier value)	SNOMED CT

Best Match Term	Best Match Term Namespace
+1 (qualifier value)	SNOMED CT

Best Match Term	Best Match Term Namespace
+2 (qualifier value)	SNOMED CT

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS
Partial Match Term	**Partial Match Term Namespace**
+3 (qualifier value)	SNOMED CT
Three (qualifier value)	SNOMED CT

Steady, maintains position

Best Match Term	Best Match Term Namespace
Able to maintain a position (finding)	SNOMED CT

Section P1 (SPECIAL TREATMENTS, PROCEDURES, AND PROGRAMS)
PROGRAMS

Broader Match Term	Broader Match Term Namespace
Intervention regimes (regime/therapy)	SNOMED CT

Training in skills required to return to the community

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

.TREATMENTS

Best Match Term	Best Match Term Namespace
General treatment (procedure)	SNOMED CT
Therapeutic procedure (procedure)	SNOMED CT

Section P3 (NURSING REHABILITATION/RESTORATIVE CARE)
TRAINING AND SKILL PRACTICE IN:

Best Match Term	Best Match Term Namespace
Skills training (regime/therapy)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Training (regime/therapy)	SNOMED CT

MDS ROOT

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Project Phase I
All MDS Included Items
Additional Items Responses

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Behavioral Symptom frequency in the last 7 days (non MDS2 version)

Partial Match Term	Partial Match Term Namespace
Symptom findings in relation to time lasts (context-dependent category)	SNOMED CT
Symptom frequency (context-dependent category)	SNOMED CT

Behavior not exhibited in last 7 days

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS
Broader Match Term	**Broader Match Term Namespace**
Absence findings (qualifier value)	SNOMED CT
Frequency per week (qualifier value)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Absent (qualifier value)	SNOMED CT
None (qualifier value)	SNOMED CT
Not detected (qualifier value)	SNOMED CT
Not seen (qualifier value)	SNOMED CT

Behavior of this type occurred 1 to 3 days in last 7 days

Broader Match Term	Broader Match Term Namespace
Frequency per week (qualifier value)	SNOMED CT
Symptom frequency (context-dependent category)	SNOMED CT
Symptom pattern (context-dependent category)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Once a week (qualifier value)	SNOMED CT
Three times weekly (qualifier value)	SNOMED CT

Behavior of this type occurred daily or almost daily (4-7 days)

Partial Match Term	Partial Match Term Namespace
Daily (qualifier value)	SNOMED CT

Not expressed or demonstrated

Best Match Term	Best Match Term Namespace
No evidence of (contextual qualifier) (qualifier value)	SNOMED CT

Expressed or demonstrated up to four days a week

Partial Match Term	Partial Match Term Namespace
Four times weekly (qualifier value)	SNOMED CT
Symptom frequency (context-dependent category)	SNOMED CT

Expressed or demonstrated daily or almost daily

Partial Match Term	Partial Match Term Namespace
Daily (qualifier value)	SNOMED CT
Symptom frequency (context-dependent category)	SNOMED CT

Unsteady, but rebalances self

Partial Match Term	Partial Match Term Namespace
Unsteady gait (finding)	SNOMED CT
Unsteady when walking (finding)	SNOMED CT

Partial support required

Partial Match Term	Partial Match Term Namespace
Support (regime/therapy)	SNOMED CT

Full support required or does not do without help

Broader Match Term	Broader Match Term Namespace
Finding of functional performance and activity (finding)	SNOMED CT

Activity did not occur (resident confined to bed)

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

Responses

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

MDS Response

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

check (Response type)

Best Match Term	Best Match Term Namespace
If pain present,check all sites that apply inlast 7 days	MDS
NO_SNOMED_BEST_MATCH	MDS

NONE OF ABOVE

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

Terminology Matching Source (CHI groups)

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Metadata

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Diagnosis / Problem List Entries

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Drug Classifications

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Drug Dose Form

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Drug Product

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Immunizations

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

intermittant pain [Draft]

Best Match Term	Best Match Term Namespace
Intermittent pain (finding)	SNOMED CT

Laboratory Result Contents

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Laboratory Result Names

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Laboratory Test Names

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

localized pain [Draft]

Best Match Term	Best Match Term Namespace
Localized pain (finding)	SNOMED CT

Medication Ingredients

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Medication Package

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Medications (Clinical Drug)

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

No Match flavors

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS
Broader Match Term	**Broader Match Term Namespace**
Absence findings (qualifier value)	SNOMED CT

Non-laboratory Interventions and Procedures

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Nursing Terms

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Resident Anatomy

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Resident Demographics

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Units of Measure

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Test Concepts
Antimicrobials

Best Match Term	Best Match Term Namespace
[AM000] ANTIMICROBIALS	NDF-RT
[AM550] METHENAMINE SALTS ANTIMICROBIALS	NDF-RT
Partial Match Term	**Partial Match Term Namespace**
[AM600] NITROFURANS ANTIMICROBIALS	NDF-RT
[AM650] SULFONAMIDE/RELATED ANTIMICROBIALS	NDF-RT

THORAZINE [TEST CONCEPT]

Best Match Term	Best Match Term Namespace
CHLORPROMAZINE PREPARATION	NDF-RT

Questions / Main Tree
Questions/Main Tree

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

MDS emerging v3 items

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Active Diagnoses (from additional items)

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS
Broader Match Term	**Broader Match Term Namespace**
Disease (disorder)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Active problem (qualifier value)	SNOMED CT
Principal diagnosis (contextual qualifier) (qualifier value)	SNOMED CT
Working diagnosis (contextual qualifier) (qualifier value)	SNOMED CT

Thyroid disorder

Best Match Term	Best Match Term Namespace
Disorder of thyroid gland (disorder)	SNOMED CT
DISORDERS OF THYROID GLAND [240-246.99]	ICD-9-CM

Atherosclerotic heart disease

Best Match Term	Best Match Term Namespace
Coronary arteriosclerosis (disorder)	SNOMED CT
Coronary atherosclerosis [414.0]	ICD-9-CM

Acute MI in the preceding 30 days

Best Match Term	Best Match Term Namespace
Acute myocardial infarction (disorder)	SNOMED CT
Acute myocardial infarction [410]	ICD-9-CM

HIV disease

Best Match Term	Best Match Term Namespace
HUMAN IMMUNODEFICIENCY VIRUS [HIV] INFECTION [042-042.99]	ICD-9-CM
Human immunodeficiency virus infection (disorder)	SNOMED CT

I2a Antibiotic resistant infection

Best Match Term	Best Match Term Namespace
Infection due to antimicrobial resistant bacteria (disorder)	SNOMED CT
Infection with drug-resistant microorganisms [V09]	ICD-9-CM
Infection with microorganisms resistant to other specified antimycobacterial agents, without mention of resistance to multiple antimycobacterial agents [V09.70]	ICD-9-CM
Broader Match Term	**Broader Match Term Namespace**
Infection due to resistant organism (disorder)	SNOMED CT
Infection with drug-resistant microorganisms, unspecified [V09.9]	ICD-9-CM

Hemiplegia

Best Match Term	Best Match Term Namespace
Hemiparesis (disorder)	SNOMED CT
Hemiplegia (disorder)	SNOMED CT
Hemiplegia, unspecified [342.9]	ICD-9-CM

Huntingtons Chorea

Best Match Term	Best Match Term Namespace
Huntington's chorea (disorder)	SNOMED CT
Huntington's chorea [333.4]	ICD-9-CM

Fracture

Best Match Term	Best Match Term Namespace
Fracture of bone (disorder)	SNOMED CT
FRACTURES [800-829.99]	ICD-9-CM

Dementia/organic psychotic conditions

Best Match Term	Best Match Term Namespace
ORGANIC PSYCHOTIC CONDITIONS [290-294.99] Senile and presenile organic psychotic conditions (disorder)	ICD-9-CM SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Dementia (disorder) Organic psychotic condition (disorder)	SNOMED CT SNOMED CT

Paranoid states/delusional disorders

Best Match Term	Best Match Term Namespace
Delusional disorder (disorder) Paranoid states (Delusional disorders) [297]	SNOMED CT ICD-9-CM
Partial Match Term	**Partial Match Term Namespace**
Paranoid disorder (disorder) Paranoid states (Delusional disorders) [297]	SNOMED CT ICD-9-CM

COPD & Pulmonary conditions

Best Match Term	Best Match Term Namespace
DISEASES OF THE RESPIRATORY SYSTEM [460-519.99]	ICD-9-CM
Broader Match Term	**Broader Match Term Namespace**
Disorder of respiratory system (disorder)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Chronic obstructive lung disease (disorder)	SNOMED CT

GI bleeding

Best Match Term	Best Match Term Namespace
Gastrointestinal hemorrhage (disorder) Gastrointestinal hemorrhage [578]	SNOMED CT ICD-9-CM

Nutritional deficiency

Best Match Term	Best Match Term Namespace
NUTRITIONAL DEFICIENCIES [260-269.99] Nutritional deficiency (finding)	ICD-9-CM SNOMED CT

Behavioral & Psychotic Symptoms

Best Match Term	Best Match Term Namespace
Mental state, behavior / psychosocial function observable (observable entity)	SNOMED CT

Behavioral Patterns

Best Match Term	Best Match Term Namespace
Habit (finding)	SNOMED CT

Behavioral Symptom

Best Match Term	Best Match Term Namespace
Behavior finding (finding)	SNOMED CT

Goals for Remainder of Stay

Partial Match Term	Partial Match Term Namespace
Discharge planning including patient and support person (procedure)	SNOMED CT
Goal context (qualifier value)	SNOMED CT
Mutual goal setting (regime/therapy)	SNOMED CT

1. Resident's goal for remainder of stay Coding: Select one

Broader Match Term	Broader Match Term Namespace
Discharge planning including patient and support person (procedure)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Discharge planning including patient and support person (procedure)	SNOMED CT

a. Short term medical rehabilitation with goal to return home

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

b. Long-term care for medical, functional, and/or cognitive impairments

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS
Partial Match Term	**Partial Match Term Namespace**
Admission for long-term care (procedure)	SNOMED CT

c. End of life care

Best Match Term	Best Match Term Namespace
Dying care (regime/therapy)	SNOMED CT

Unknown

Best Match Term	Best Match Term Namespace
Unknown (qualifier value)	SNOMED CT

2. Family's goal for remainder of stay

Broader Match Term	Broader Match Term Namespace
Discharge planning including patient and support person (procedure)	SNOMED CT
Identifying goals (procedure)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Discharge planning including patient and support person (procedure)	SNOMED CT

a. Short term medical rehabilitation with goal to return home

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

b. Long-term care for medical, functional, and/or cognitive impairments

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS
Partial Match Term	**Partial Match Term Namespace**
Admission for long-term care (procedure)	SNOMED CT

c. End of life care

Best Match Term	Best Match Term Namespace
Dying care (regime/therapy)	SNOMED CT

Prognosis

Best Match Term	Best Match Term Namespace
Prognosis/outlook (observable entity)	SNOMED CT
Prognosis/outlook finding (finding)	SNOMED CT

Very poor: further decline is imminent

Best Match Term	Best Match Term Namespace
Prognosis bad (finding)	SNOMED CT

Unstable: residents cognitive/ ADL, mood or behavior patterns unstable but stabilization is possible

Partial Match Term	Partial Match Term Namespace
Patient's condition unstable (finding)	SNOMED CT

Fair: Little recovery is expected but resident stable

Best Match Term	Best Match Term Namespace
Fair prognosis (finding)	SNOMED CT
Partial Match Term	**Partial Match Term Namespace**
Expected to be stable (qualifier value)	SNOMED CT

Good: Partial recovery is expected

Best Match Term	Best Match Term Namespace
Prognosis good (finding)	SNOMED CT

Excellent: Full or almost full recovery is expected

Partial Match Term	Partial Match Term Namespace
Expected to be stable (qualifier value)	SNOMED CT
Prognosis good (finding)	SNOMED CT

Unknown

Best Match Term	Best Match Term Namespace
Unknown (qualifier value)	SNOMED CT

MDS V2.0 Question Sections

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

Section T Supplement

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

MDS V3.0 Questions

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

???
EXEMPT_FROM_MATCHING

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

MDS_Response

Best Match Term	Best Match Term Namespace
Times when pain is horrible or excruciating	MDS

MDS_RULES_OF_THUMB_(ROT)

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS

NO_SNOMED_BEST_MATCH

Best Match Term	Best Match Term Namespace
EXEMPT_FROM_MATCHING	MDS
Intervention regimes (regime/therapy)	SNOMED CT

SEVERELY IMPAIRED (r)

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

Source of Inclusion

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

Unassigned Questions

Best Match Term	Best Match Term Namespace
NO_SNOMED_BEST_MATCH	MDS

MAKING THE "MINIMUM DATA SET" COMPLIANT WITH HEALTH INFORMATION TECHNOLOGY STANDARDS

PDF Files Available for This Report

Main Report   http://aspe.hhs.gov/daltcp/reports/2006/MDS-HIT.pdf

ATTACHMENT A: BIPA, Sec. 545. Development of Patient Assessment Instruments
        http://aspe.hhs.gov/daltcp/reports/2006/MDS-HIT-A.pdf

ATTACHMENT B: Encoding Nursing Home Resident MDS Observation and
    Assessment Data: Do HL7 Messaging Standards Support its Transmission?
        http://aspe.hhs.gov/daltcp/reports/2006/MDS-HIT-B.pdf

ATTACHMENT C: Side-by-side depiction of MDSv2 and Content Matching Results
        http://aspe.hhs.gov/daltcp/reports/2006/MDS-HIT-C.pdf

ATTACHMENT D: Additional Item Matching (emerging MDSv3 items)
        http://aspe.hhs.gov/daltcp/reports/2006/MDS-HIT-D.pdf

ATTACHMENT E: NLM/UMLS to Maintain Links between LOINC coded Assessment
    Question and Answers and Codeable Vocabularies -- An Alternative
        http://aspe.hhs.gov/daltcp/reports/2006/MDS-HIT-E.pdf

ATTACHMENT F: The specific vocabulary codes that correspond with each of the
    standardized vocabulary matches identified in Attachments C and D
        http://aspe.hhs.gov/daltcp/reports/2006/MDS-HIT-F.pdf
    This Attachment is also available as an **Excel** file at:
        http://aspe.hhs.gov/daltcp/reports/2006/MDS-HIT-F.xls

This full report and links are also available in **HTML** format at:
        http://aspe.hhs.gov/daltcp/reports/2006/MDS-HIT.htm