Mental Health: Chronic Noncancer Pain Documentation Template

Documentation Tem-
plate: Conceptual Structure

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by Knowledge Based Systems (KBS), Office of Informatics and Information Governance (OIIG), and Clinical Decision Support (CDS)

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Preface

Table 1. Revision History

Date	Life Cycle Event
June 7, 2018	Published
June 7, 2018	Reviewed
March 1, 2018	Pre-published
August 10, 2017	Created

Table 2. Clinical White Paper Contributors

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Table 3. Artifact Identifier

Domain	Artifact ID	Name
urn:va.gov:kbs:knart:artifact:r1	32771ec0-ec22-5209-8b74-0d2a862a9c2f	O34

Artifact Applicability

Table 4. Applicability Foci, Description and Codes

Focus	Description	Code System	Code	Value Set	Value Set Version
TargetUser	Primary Care Provider (PCP)	SNOMED CT	453231000124104 |Primary care provider (occupation)|	N/A	N/A
PatientAgeGroup	Adult	SNOMED CT	133936004 |Adult (person)|	N/A	N/A
ClinicalVenue	Primary Care	SNOMED CT	5351000124100 | Primary care clinic (environment)|	N/A	N/A
ClinicalVenue	Outpatient	SNOMED CT	33022008 |Hospital-based outpatient department (environment)|	N/A	N/A

Models

Table 5. Model References

Referenced Model	Description
urn:solor.io:anf-model:1.0	VA Analysis Normal Form Model

Chapter 1. External Data Definitions

Definitions

Table 1.1. Pertinent Surgical History

Expression: type=elm:SingletonFrom Annotation: Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [TSR-NoCode]

Table 1.2. Medications

Expression: type=elm:SingletonFrom Annotation: Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [TSR-NoCode]

Table 1.3. Current Medications

Expression: type=elm:SingletonFrom Annotation: Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [TSR-NoCode]

Table 1.4. Complete Blood Count

Expression: type=elm:SingletonFrom Annotation: Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [26604007 |Complete blood count (procedure)|]

Table 1.5. Comprehensive Metabolic Panel

Expression: type=elm:SingletonFrom Annotation: Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [1411000205104 |Comprehensive metabolic panel (procedure)|]

Table 1.6. Hemoglobin A1c

Expression: type=elm:SingletonFrom Annotation: Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [43396009 |Hemoglobin A1c measurement (procedure)|]

Table 1.7. Toxicology Screen

Expression: type=elm:SingletonFrom

Annotation:
Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [314076009 |Toxicology screening test (procedure)|]

Table 1.8. 25-hydroxyvitamin D

Expression: type=elm:SingletonFrom
Annotation:
Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [447678008 |Measurement of 25-hydroxyergocalciferol (procedure)|]

Table 1.9. Pain diagnoses

Expression: type=elm:SingletonFrom
Annotation:
Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [TSR-NoCode]

Triggers

No trigger definitions are present.

Chapter 2. Expression Definitions

No expression definitions are present.

Chapter 3. Visit Information

- prompt: Telehealth encounter; patient gave verbal consent for telehealth
- response: Boolean (Single)
- prompt: Patient Name
- response: String (Single)
- prompt: Patient Age
- response: Integer (Single)
- prompt: Patient Race
- response: Code (Single)
- prompt: Patient Gender
- response: Code (Single)
- prompt: Subjective and objective description of patient's current active medical problems
- response: String (Single)

- prompt: Initial Visit
- response: EntityName (Single)
- prompt: Follow-up Visit
- response: EntityName (Single)

responseBinding: Property ("FollowUpVisitForProblems")

- **Condition:** elm:Property
  - prompt: If follow-up visit, describe focus
  - response: String (Single)

- prompt: Pertinent Surgical History
- response: Tuple (Single)

initalValue: Pertinent Surgical History

- prompt: Medications
- response: Code (Single)

initalValue: Medications

Chapter 4. Physical Exam

prompt: Relevant findings on current physical exam
response: String (Single)

Chapter 5. Pain Description

- Impact of pain on function
  - prompt: Functional impact of pain
  - response: String (Single)
  - prompt: Functional impact of treatment for pain (positive or negative impact)
  - response: String (Single)
- Type of pain
  - prompt: Neuropathic pain
  - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[247398009 |Neuropathic pain (finding)]
  - response: Boolean (Single)
  - prompt: Somatic pain
  - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[48429009 |Somatic pain (finding)]
  - response: Boolean (Single)
  - prompt: Other type of pain (describe details)
  - response: String (Single)
- Pain location
  - prompt: Back
  - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[161891005 |Backache (finding)]
  - response: Boolean (Single)
  - **responseBinding:** Property ("BackPain")
  - **Condition:**elm:Property
  - Location of pain: Select all that apply (at least one)
    - prompt: Lower
    - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[279039007 |Low back pain (finding)]
    - response: Boolean (Single)

- prompt: Middle
- item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[279038004 |Thoracic back pain (finding)]
- response: Boolean (Single)
- prompt: Upper
- item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[161896000 |Complaining of upper back ache (finding)]
- response: Boolean (Single)

- prompt: Neck
- item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[81680005 |Neck pain (finding)]
- response: Boolean (Single)
- prompt: Joints
- item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[57676002 |Joint pain (finding)]
- response: Boolean (Single)

responseBinding: Property ("JointPain")

- **Condition:**elm:Property

  Location of pain: Select all that apply (at least one)

  - prompt: Knee
  - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[30989003 |Knee pain (finding)]
  - response: Boolean (Single)
  - prompt: Hip
  - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[49218002 |Hip pain (finding)]
  - response: Boolean (Single)
  - prompt: Shoulder
  - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[45326000 |Shoulder pain (finding)]

response: Boolean (Single)

prompt: Other (describe details)

response: String (Single)

prompt: Abdominal

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[21522001 |Abdominal pain (finding)]

response: Boolean (Single)

prompt: Other location of pain (describe details)

response: String (Single)

Aggrevating factors

prompt: ☐ Cold weather

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[200c9d89-dee9-4f0e-903f-53f77fbf5bd6 |Pain aggravated by cold weather (finding)]

response: Boolean (Single)

prompt: ☐ Climate change

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[e583ef45-eddb-4028-bb7b-73171c6734b9 |Pain aggravated by change in climate (finding)]

response: Boolean (Single)

prompt: ☐ Diabetes

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[88004a00-3b67-408b-8737-fe0cce58ddcf |Pain aggravated by diabetes (finding)]

response: Boolean (Single)

prompt: ☐ Hormone imbalance

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6be254c4-4309-4d3c-8a79-53d9bd184bcb |Pain aggravated by hormone imbalance (finding)]

response: Boolean (Single)

☐ Infectious disease
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[972638ea-cc75-48f2-a881-16358a798848 |Pain aggravated by infectious disease (finding)]

response: Boolean (Single)

☐ Inflammatory process
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[d57ab696-0ec2-479a-be85-9fb7ee17655f |Pain aggravated by inflammatory process (finding)]

response: Boolean (Single)

☐ Mental health–related problems
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[d415a2fc-d8ff-47a2-949b-37193db38df4 |Pain aggravated by mental health problems (finding)]

response: Boolean (Single)

☐

☐ Anxiety
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[2957a442-7e93-4eeb-9527-c7042c2cba0f | Pain aggravated by anxiety (finding)]

response: Boolean (Single)

☐ Depression
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6ae3b455-5b3d-44b4-aa25-b9ed03dea815 | Pain aggravated by depression (finding)]

response: Boolean (Single)

☐ Military sexual trauma
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[bf8ceb54-0a74-46f1-a43e-646b3587d564 | Pain aggravated by sexual trauma during military service (finding)]

response: Boolean (Single)

☐ Postraumatic Stress Disorder
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[34c30e9b-a621-44ad-8d13-6806f4c7a7f3 | Pain aggravated by post-traumatic stress disorder (finding)]

response: Boolean (Single)

☐ prompt: Other mental health problems (describe details)

response: String (Single)

☐ prompt: Movement

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6833f7dd-cd16-4987-8320-db07729a89df |Pain aggravated by movement (finding)]

response: Boolean (Single)

☐ prompt: Poor nutrition

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[061d5677-0600-4b60-98b0-e4a0c5fd3a84 |Pain aggravated by poor nutrition (finding)]

response: Boolean (Single)

☐ prompt: Poor sleep

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[594d0a01-ed45-4021-86dc-4b3c1f826113 |Pain aggravated by poor sleep (finding)]

response: Boolean (Single)

☐ prompt: Prolonged sitting

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[ec406ab7-1200-4ef4-b31e-062896495a4a |Pain aggravated by prolonged sitting (finding)]

response: Boolean (Single)

☐ prompt: Prolonged standing

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[d1bdabcd-d0e8-45da-b4ad-d9159049d824 |Pain aggravated by prolonged standing (finding)]

response: Boolean (Single)

☐ prompt: Risky behaviors related to opioid use

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[427346002 |Risk prone health behavior (finding)]

response: Boolean (Single)

responseBinding: Property ("Opoid")

□ **Condition:**elm:Property

prompt: Concurrent use of other substances that increase risk (e.g., alcohol, cannabis)

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[228372006 |Poly-drug misuser (finding)]

response: Boolean (Single)

responseBinding: Property ("ConcurrentUse")

Condition:elm:Property

prompt: Details

response: String (Single)

prompt: Early refills

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[1a0ef3fa-4e70-4a84-bedf-706396899f63 | Obtains early refills of opioid prescriptions (finding)]

response: Boolean (Single)

prompt: Multiple prescribers

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6d75b166-20b5-4fe5-98a0-d38ec561d5fa | Uses multiple prescribers (finding)]

response: Boolean (Single)

prompt: Use of opioids for sleep

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[b71c0528-33ce-499b-aef8-b095f8c2900e | Uses opioids to support sleep (finding)]

response: Boolean (Single)

prompt: Use of opioids for stress

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[e5530930-acc3-4778-943d-a7def9476607 | Uses opioids for stress relief (finding)]

response: Boolean (Single)

- Use of opioids in a manner other than prescribed

prompt:

response: Boolean (Single)

responseBinding: Property ("UseOfOpoids")

- **Condition:**elm:Property

  - Detail

  prompt:

  response: String (Single)

- Use of opioids not prescribed to patient

prompt:

response: Boolean (Single)

responseBinding: Property ("NotPrescribed")

- **Condition:**elm:Property

  - Detail

  prompt:

  response: String (Single)

- Other

prompt:

response: String (Single)

☐ Stress

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[73595000 |Stress (finding)]

response: Boolean (Single)

☐ Structural imbalance

prompt:

itemCode: TSR-NoCode

response: Boolean (Single)

☐ Substance use (current or former)

prompt:

response: Boolean (Single)

☐

- Alcohol

prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[219006 |Current drinker of alcohol (finding)]

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[82581004 |Ex-drinker (finding)]

response: Boolean (Single)

responseBinding: Property ("AlcoholUse")

Condition:elm:Property

- prompt: Current user
- item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[219006 |Current drinker of alcohol (finding)]
- response: Boolean (Single)
-
  - prompt: Amount and frequency of use
  - response: String (Single)
- prompt: Former user
- item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[82581004 |Ex-drinker (finding)]
- response: Boolean (Single)
-
  - prompt: Quit date (if date unknown, indicate year)
  - response: Timestamp (Single)
  - prompt: Additional details
  - response: String (Single)

prompt: Cannabis

response: Boolean (Single)

responseBinding: Property ("CannabisUse")

Condition:elm:Property

- prompt: Legal recreational

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[36358673-9d77-4c7a-987b-441f8f5da653 |User of legal recreational marijuana (finding)]

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[7804d280-befe-4ba7-9387-86019285144f |Ex-user of legal recreational marijuana (finding)]

response: Boolean (Single)

responseBinding: Property ("LegalRecreation")

- **Condition:**elm:Property
  - prompt: Current user
    - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[36358673-9d77-4c7a-987b-441f8f5da653 |User of legal recreational marijuana (finding)]
    - response: Boolean (Single)
    - **responseBinding:** Property ("CurrentLegalUser")
    - **Condition:**elm:Property
      - prompt: Amount and frequency of use
      - response: String (Single)
  - prompt: Former user
    - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[7804d280-befe-4ba7-9387-86019285144f |Ex-user of legal recreational marijuana (finding)]
    - response: Boolean (Single)
    - **responseBinding:** Property ("FormerLegalUser")
    - **Condition:**elm:Property
      - prompt: Quit date (if date unknown, indicate year)
      - response: Timestamp (Single)
      - prompt: Additional details
      - response: String (Single)
- prompt: Illicit recreational

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[31760619-c4c2-4d6c-aa46-4a2d8e7733cd |User of illicit recreational marijuana (finding)]

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[7516f2f5-8171-4d6d-af28-fbb0994b6b4c |Ex-user of illicit recreational marijuana (finding)]

response: Boolean (Single)

responseBinding: Property ("IllicitRecreational")

- **Condition:**elm:Property
  - prompt: Current user
  - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[31760619-c4c2-4d6c-aa46-4a2d8e7733cd |User of illicit recreational marijuana (finding)]
  - response: Boolean (Single)
  - **responseBinding:** Property ("CurrentIllicitUser")
    - **Condition:**elm:Property
      - prompt: Amount and frequency of use
      - response: String (Single)
  - prompt: Former user
  - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[7516f2f5-8171-4d6d-af28-fbb0994b6b4c |Ex-user of illicit recreational marijuana (finding)]
  - response: Boolean (Single)
  - **responseBinding:** Property ("FormerIllicitUser")
    - **Condition:**elm:Property
      - prompt: Quit date (if date unknown, indicate year)
      - response: Timestamp (Single)
      - prompt: Additional details
      - response: String (Single)
- prompt: Medical

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[ac23a526-dc71-4264-b359-61f2b5ab7a1b |User of medical marijuana (finding)]

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6eec41c4-15b3-4d7c-b731-d7b126690f47 |Ex-user of medical marijuana (finding)]

response: Boolean (Single)

responseBinding: Property ("MedicalUse")

- **Condition:**elm:Property

  - prompt: Current user

  item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[ac23a526-dc71-4264-b359-61f2b5ab7a1b |User of medical marijuana (finding)]

  response: Boolean (Single)

  responseBinding: Property ("CurrentMedicalUser")

  - **Condition:**elm:Property

    - prompt: Amount and frequency of use

    response: String (Single)

  - prompt: Former user

  item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6eec41c4-15b3-4d7c-b731-d7b126690f47 |Ex-user of medical marijuana (finding)]

  response: Boolean (Single)

  responseBinding: Property ("FormerMedicalUser")

  - **Condition:**elm:Property

    - prompt: Quit date (if date unknown, indicate year)

    response: Timestamp (Single)

    - prompt: Additional details

    response: String (Single)

- prompt: Illicit drugs

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[307052004 |Illicit drug use (finding)]

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[b1c03656-6306-47d6-8ee6-a80227b99e4a |Ex-user of illicit drugs (finding)]

response: Boolean (Single)

responseBinding: Property ("IllicitDrugs")

- ☐ **Condition:**elm:Property

  - ☐ Drug

    prompt:

    response: String (Single)

    responseBinding: Property ("DrugUser")

    - ☐ **Condition:**elm:Property

      - ○ Current user

        prompt:

        item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[307052004 |Illicit drug use (finding)]

        response: Boolean (Single)

        responseBinding: Property ("CurrentDrugUser")

        - ○ **Condition:**elm:Property

          - ○ Amount and frequency of use

            prompt:

            response: String (Single)

      - ○ Former user

        prompt:

        item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[b1c03656-6306-47d6-8ee6-a80227b99e4a |Ex-user of illicit drugs (finding)]

        response: Boolean (Single)

        responseBinding: Property ("FormerDrugUser")

        - ○ **Condition:**elm:Property

          - ○ Quit date (if date unknown, indicate year)

            prompt:

            response: Timestamp (Single)

          - ○ Additional details

            prompt:

            response: String (Single)

- ☐ Tobacco
  - prompt:
  - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[110483000 |Tobacco user (finding)]
  - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[702975009 |Ex-tobacco user (finding)]
  - response: Boolean (Single)
  - **responseBinding:** Property ("TobaccoUser")
  - ☐ **Condition:**elm:Property
    - ○ Current user
      - prompt:
      - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[110483000 |Tobacco user (finding)]
      - response: Boolean (Single)
      - response range: EnumerationConstraint (List)
        - item: Every day
        - item: Some days
        - item: Not at all
    - ○ Amount of frequency or use
      - prompt:
      - response: String (Single)
    - ○ Former user
      - prompt:
      - item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[702975009 |Ex-tobacco user (finding)]
      - response: Boolean (Single)
    - ○ Quit date (if date unknown, indicate year)
      - prompt:
      - response: Timestamp (Single)
    - ○ Additional details
      - prompt:
      - response: String (Single)
- ☐ Toxic Exposure
  - prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[75478009 |Poisoning (disorder)]

response: Boolean (Single)

☐ Other prompt:

response: Boolean (Single)

responseBinding: Property ("Other")

☐ **Condition:**elm:Property

☐ Details prompt:

response: String (Single)

Alleviating factors

☐ Lying down prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[172f1507-d6f0-4c48-bd1e-95dd477754d6 |Pain relief by lying down (finding)]

response: Boolean (Single)

☐ Rest prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[427935006 |Pain relief by rest (finding)]

response: Boolean (Single)

☐ Heat prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[79ede33a-45a2-46f9-a3be-94bb384e747a |Pain relief by application of heat (finding)]

response: Boolean (Single)

☐ Ice prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[3c4d6355-2e1d-4a9a-b8e7-0bc90204209a |Pain relief by application of ice (finding)]

response: Boolean (Single)

☐ Limb elevation prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[e49cc42c-afa0-4f52-9b1b-6509d31b68bc |Pain relief by elevation of limb (finding)]

response: Boolean (Single)

prompt: ☐ Movement

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[ad5e2961-02f1-40dd-aafb-82821f6ac985 |Pain relief by movement (finding)]

response: Boolean (Single)

prompt: ☐ Complementary integrative health (e.g., mindfulness)

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[796908f2-6b92-435f-a098-c648fdb36029 |Pain relief by integrative health therapy (finding)]

response: Boolean (Single)

prompt: ☐ Cognitive behavioral approaches (e.g., meeting with friends, music)

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[3e7f9703-bd6a-42da-b727-be43f988876e |Pain relief by cognitive behavioral approach (finding)]

response: Boolean (Single)

prompt: ☐ Other (provdide details

response: String (Single)

Chapter 6. Relevant Vitals

☐ prompt: Body Mass Index

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301331008 |Finding of body mass index (finding)]

response: Real (Single)

☐ prompt: Blood Pressure

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[163020007 |On examination - blood pressure reading (finding)]

response: Integer (Single)

☐ prompt: Respiratory Rate

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301283003 |Finding of rate of respiration (finding)]

response: Integer (Single)

☐ prompt: Heart Rate

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301113001 |Finding of heart rate (finding)]

response: Integer (Single)

☐ prompt: Other relevant vitals

response: String (Single)

Chapter 7. Relevant Laboratory Values

☐ prompt: Complete Blood Count
response: Tuple (Single)
initalValue: Complete Blood Count
☐ prompt: Comprehensive Metabolic Panel
response: Tuple (Single)
initalValue: Comprehensive Metabolic Panel
☐ prompt: Hemoglobin A1c
response: Tuple (Single)
initalValue: Hemoglobin A1c
☐ prompt: Toxicology Screen
response: Tuple (Single)
initalValue: Toxicology Screen
☐ prompt: 25-hydroxyvitamin D
response: Tuple (Single)
initalValue: 25-hydroxyvitamin D
☐ prompt: Other detail
response: String (Single)

Chapter 8. Medication Profile

☐ Allergies
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[609328004 |Allergic disposition (disorder)]

response: String (Single)

☐ Adverse drug reactions
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[62014003 |Adverse reaction caused by drug (disorder)]

response: String (Single)

☐ History of overdose and opioid-related emergency department visits and hospital admissions
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[185265000 |Seen in emergency clinic (finding)]- ->(42752001 |Due to (attribute))->[5602001 |Opioid abuse (disorder)]

item-Code: [32485007 |Hospital admission (procedure)] ->(363702006 |Has focus (attribute))->[5602001 |Opioid abuse (disorder)]

response: Boolean (Single)

responseBinding: Property ("Overdoses")

☐ **Condition:**elm:Property

☐ prompt: Prior overdose

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[242253008 |Overdose of opiate (disorder)]

response: Boolean (Single)

responseBinding: Property ("PriorOverdose")

☐ **Condition:**elm:Property

☐ prompt: Date(s)

response: Timestamp (Single)

☐ prompt: Drug(s)

response: Code (Single)

☐ prompt: Additional details

response: String (Single)

☐ prompt: Prior opioid-related emergency department visit(s)

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[185265000 |Seen in emergency clinic (finding)]- ->(42752001 |Due to (attribute))->[5602001 |Opioid abuse (disorder)]

response: Boolean (Single)

responseBinding: Property ("PriorEmergencyVisit")

☐ **Condition:**elm:Property

☐ prompt: Date(s)

response: Timestamp (Single)

☐ prompt: Drug(s)

response: Code (Single)

☐ prompt: Additional details

response: String (Single)

☐ prompt: Prior opioid-related hospital admission(s)

itemCode: [32485007 |Hospital admission (procedure)] ->(363702006 |Has focus (attribute))->[5602001 |Opioid abuse (disorder)]

response: Boolean (Single)

responseBinding: Property ("PriorHospital")

☐ **Condition:**elm:Property

☐ prompt: Date(s)

response: Timestamp (Single)

☐ prompt: Drug

response: Code (Single)

☐ prompt: Additional details

response: String (Single)

☐ prompt: Current Medications

response: Code (Single)

initalValue: Current Medications

☐ prompt: Non-VA medications

response: Code (Single)

☐ prompt: Previous pain-related medications

response: Code (Single)

Chapter 9. Nonpharmacologic treatment

Nonpharmacologic treatment/complementary integrative health

☐ Physical Therapy
prompt:

item- 91251008 |Physical therapy procedure (regime/therapy)|
Code:

re- Boolean (Single)
sponse:

responseBinding: Property ("Physical Therapy")

☐ **Condition:**elm:Property

☐ prompt: Dates

response: Timestamp (Single)

☐ prompt: Detail

response: String (Single)

☐ Whole health interventions
prompt:

re- Boolean (Single)
sponse:

responseBinding: Property ("WholeHealth")

☐ **Condition:**elm:Property

☐ prompt: Dates

response: Timestamp (Single)

☐ prompt: Detail

response: String (Single)

☐

☐ prompt: Acupuncture

itemCode: 44868003 |Acupuncture (procedure)|

response: Boolean (Single)

☐ prompt: Tai Chi

itemCode: 229223006 |Participation in Tai Chi (regime/therapy)|

response: Boolean (Single)

☐ prompt: Yoga

itemCode: 229224000 |Participation in yoga (regime/therapy)|

response: Boolean (Single)

☐ prompt: Mindfulness

itemCode: 05257e84-e247-4f2e-bb83-dccd395d56a8 |Mindfulness therapy (procedure)|

response: Boolean (Single)

		☐ prompt: Meditation
		itemCode: 386365008 |Meditation facilitation (procedure)|
		response: Boolean (Single)
		☐ prompt: Guided imagery
		itemCode: 228565006 |Imagery technique (regime/therapy)|
		response: Boolean (Single)
		☐ prompt: Hypnotherapy
		itemCode: 19997007 |Hypnotherapy (regime/therapy)|
		response: Boolean (Single)
		☐ prompt: Biofeedback
		itemCode: 28150003 |Biofeedback procedure (regime/therapy)|
		response: Boolean (Single)

☐ Other non-pharmacoligic treatment
prompt:

response: Boolean (Single)

responseBinding: Property ("OtherNonPharamcologic")

Condition:elm:Property

☐ Details
prompt:

response: String (Single)

Chapter 10. Patient Education

☐ Disease-state education
prompt:

re- Boolean (Single)
sponse:

responseBinding: Property ("DiseaseState")

☐ **Condition:**elm:Property

☐ prompt: Dates
response: Timestamp (Single)
☐ prompt: Detail
response: String (Single)
☐ prompt: Other
response: Boolean (Single)
☐ prompt: Detail
response: String (Single)

☐ Lifestyle counseling and education
prompt:

re- Boolean (Single)
sponse:

responseBinding: Property ("Lifestyle")

☐ **Condition:**elm:Property

☐ prompt: Dates
response: Timestamp (Single)
☐ prompt: Details
response: String (Single)

☐ Other
prompt:

re- Boolean (Single)
sponse:

responseBinding: Property ("OtherEducation")

☐ **Condition:**elm:Property

☐ prompt: Details
response: String (Single)

Chapter 11. Activities of Daily Living

- ☐ Energy level
  - ○ prompt: Low
  - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]->(363702006 |Has focus (attribute))->[301325005 |Finding of general energy (finding)]- ->(363714003 |Interprets (attribute))->[359755007 |Energy / stamina (observable entity)]- (363713009 |Has interpretation (attribute))->[62482003 |Low (qualifier value)]
  - response: Boolean (Single)
  - ○ prompt: Medium
  - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]->(363702006 |Has focus (attribute))->[301325005 |Finding of general energy (finding)]- ->(363714003 |Interprets (attribute))->[359755007 |Energy / stamina (observable entity)]- (363713009 |Has interpretation (attribute))->[1fb50fd0-c49f-4a2b-b4e1-df6699a4cc10 |Medium (qualifier value)]
  - response: Boolean (Single)
  - ○ prompt: High
  - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]->(363702006 |Has focus (attribute))->[301325005 |Finding of general energy (finding)]- ->(363714003 |Interprets (attribute))->[359755007 |Energy / stamina (observable entity)]- (363713009 |Has interpretation (attribute))->[75540009 |High (qualifier value)]
  - response: Boolean (Single)
- ☐ Average number of hours of sleep per night

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[118190003 |Sleep finding (finding)]

response: Real (Single)

- ☐ Early Awakening
  - ○ prompt: Early Awakening
  - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[67062000 |Terminal insomnia (disorder)]
  - response: Boolean (Single)
    - ○ Cause of early awakening
      - ☐ prompt: Pain
      - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[67062000 |Terminal insomnia (disorder)]- ->(42752001 |Due to (attribute))->[22253000 |Pain (finding)];
      - response: Boolean (Single)
      - ☐ prompt: Nightmares
      - itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (at-

tribute))->[67062000 |Terminal insomnia (disorder)]- ->(42752001 |Due to (attribute))->[419145002 |Nightmares (finding)];

response: Boolean (Single)

☐ prompt: Restless leg syndrome

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[67062000 |Terminal insomnia (disorder)]- ->(42752001 |Due to (attribute))->[32914008 |Restless legs (disorder)];

response: Boolean (Single)

☐ prompt: Other (provide details)

response: String (Single)

☐ prompt: Uses continuous positive airway pressure (CPAP)?

itemCode: 47545007 |Continuous positive airway pressure ventilation treatment (regime/therapy)|

response: Boolean (Single)

☐

○ prompt: Changes in level of functioning since previous visit?

response: Boolean (Single)

responseBinding: Property ("ChangesInFunctioning")

○ **Condition:**elm:Property

○ prompt: Provide details

response: String (Single)

☐ prompt: Other activities of daily living information

response: String (Single)

Chapter 12. Affect/Mood

☐ Anxiety
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[197480006 |Anxiety disorder (disorder)]

response: Boolean (Single)

☐ Depression
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[35489007 |Depressive disorder (disorder)]

response: Boolean (Single)

☐ Thoughts of suicidality
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6471006 |Suicidal thoughts (finding)]

response: Boolean (Single)

☐ Thoughts of homicidality
prompt:

item-Code: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[225450009 |Homicidal thoughts (finding)]

response: Boolean (Single)

☐ Other
prompt:

response: String (Single)

responseBinding: Property ("OtherThoughts")

☐	**Condition:**elm:Property
	☐ prompt: Detail response: String (Single)

Chapter 13. Risk Mitigation Strategies

- ☐ Informed consent for opioid therapy
  - prompt:
  - itemCode: [182771004 |Informed consent for procedure (procedure)] ->(363702006 |Has focus (attribute))->[726582005 |Opiate therapy (procedure)]
  - response: Boolean (Single)
- ☐ Toxicology Screen
  - prompt:
  - itemCode: 314076009 |Toxicology screening test (procedure)|
  - response: Boolean (Single)
- ☐
  - ☐ prompt: Expected
    - response: Boolean (Single)
  - ☐ prompt: Unexpected
    - response: Boolean (Single)
  - ☐ prompt: Not done; needs to be ordered
    - response: Boolean (Single)
  - ☐ prompt: Presence of alcohol
    - response: Boolean (Single)
  - ☐ prompt: Absence of prescribed medication
    - response: Boolean (Single)
  - ☐ prompt: Further follow-up needed
    - response: Boolean (Single)
  - ☐ prompt: No further follow-up needed at this time
    - response: Boolean (Single)
- ☐ Query of the State Prescription Drug Monitoring Program (PDMP)
  - prompt:
  - response: Boolean (Single)
  - **responseBinding:** Property ("PDMP")
- ☐ **Condition:**elm:Property
  - ☐ prompt: Detail
    - response: String (Single)
- ☐ Overdose education provided, and naloxone distributed
  - prompt:
  - response: Boolean (Single)
- ☐ Pill counts
  - prompt:

re- Boolean (Single)
sponse:

responseBinding: Property ("PillCounts")

□	**Condition:**elm:Property
	□ prompt: Detail response: String (Single)

Chapter 14. Assessment

□ Pain diagnoses

prompt:

item-Code: TSR-NoCode

response: Code (Single)

responseBinding: Property ("PainDiagnoses")

initalValue: Pain diagnoses

□	**Condition:**elm:Property
	□ prompt: Detail response: String (Single)

Chapter 15. Plan

Interventions in this section are presented in order of recommended sequence in the VA

☐ prompt: Goals of therapy (established by patient)

response: String (Single)

☐ prompt: Self-care

response: String (Single)

☐

☐ prompt: Movement and stretching

itemCode: 229064008 |Movement therapy (regime/therapy)|

itemCode: 229070002 |Stretching exercises (regime/therapy)|

response: Boolean (Single)

responseBinding: Property ("Movement")

☐ **Condition:**elm:Property

☐ prompt: Detail

response: String (Single)

☐ prompt: Nutrition

itemCode: 386373004 |Nutrition therapy (regime/therapy)|

response: Boolean (Single)

responseBinding: Property ("Nutrition")

☐ **Condition:**elm:Property

☐ prompt: Detail

response: String (Single)

☐

☐ prompt: Sleep and rest

itemCode: 225206006 |Sleep and rest interventions (procedure)|

response: Boolean (Single)

responseBinding: Property ("Sleep")

Condition:elm:Property

☐ prompt: Detail

response: String (Single)

☐

☐ prompt: Stress resilience

itemCode: 226060000 |Stress management (procedure)|

response: Boolean (Single)

responseBinding: Property ("Stress")

Condition:elm:Property

☐ prompt: Detail

response: String (Single)

☐

☐ prompt: Social connection

itemCode: 38256005 |Social network therapy (regime/therapy)|

response: Boolean (Single)

responseBinding: Property ("Social")

Condition:elm:Property

☐ prompt: Detail

response: String (Single)

☐ Non-pharmacoloigic interventions prompt:

response: String (Single)

☐

☐ prompt: Physical therapy

itemCode: 91251008 |Physical therapy procedure (regime/therapy)|

response: Boolean (Single)

☐ prompt: Whole health interventions

response: Boolean (Single)

responseBinding: Property ("WholeHealthInterventions")

☐ **Condition:**elm:Property

☐ prompt: Acupunctuve

itemCode: 44868003 |Acupuncture (procedure)|

response: Boolean (Single)

☐ prompt: Tai Chi

itemCode: 229223006 |Participation in Tai Chi (regime/therapy)|

response: Boolean (Single)

☐ prompt: Yoga

itemCode: 229224000 |Participation in yoga (regime/therapy)|

response: Boolean (Single)

☐ prompt: Mindfulness

itemCode: 05257e84-e247-4f2e-bb83-dccd395d56a8 |Mindfulness therapy (procedure)|

response: Boolean (Single)

☐ prompt: Meditation

itemCode: 386365008 |Meditation facilitation (procedure)|

response: Boolean (Single)

☐ prompt: Guided imagery

itemCode: 228565006 |Imagery technique (regime/therapy)|

response: Boolean (Single)
☐ prompt: Hypnotherapy
itemCode: 19997007 |Hypnotherapy (regime/therapy)|
response: Boolean (Single)
☐ prompt: Biofeedback
itemCode: 28150003 |Biofeedback procedure (regime/therapy)|
response: Boolean (Single)
☐ prompt: Disease-state education
itemCode: 84635008 |Disease process or condition education (procedure)|
response: Boolean (Single)
☐ prompt: Lifestyle counseling and education
itemCode: 715756009 |Lifestyle adjustment training (procedure)|
response: Boolean (Single)
☐ prompt: Psychotherapy
itemCode: 75516001 |Psychotherapy (regime/therapy)|
response: Boolean (Single)
☐ prompt: Cognitive behavioral therapy
itemCode: 304891004 |Cognitive - behavior therapy (regime/therapy)|
response: Boolean (Single)
☐ prompt: Acceptance and commitment therapy
itemCode: aada5366-f841-4015-9c6a-5dd1a22a8ee3 |Acceptance and commitment therapy (regime/therapy)|
response: Boolean (Single)
☐ prompt: Substance use disorder interventions
itemCode: 424407005 |Substance use cessation education, guidance, and counseling (procedure)|
response: Boolean (Single)
☐ prompt: Tobacco cessation interventions
itemCode: 702388001 |Tobacco use cessation education (procedure)|
response: Boolean (Single)
☐ prompt: Other
response: Boolean (Single)
responseBinding: Property ("OtherDiseaseState")
☐ **Condition:**elm:Property
☐ prompt: Detail
response: String (Single)
☐ prompt: Follow-up on toxicology screen
response: Boolean (Single)
responseBinding: Property ("FollowUpToxicology")

□ **Condition:**elm:Property

□ prompt: Detail

response: String (Single)

□ Medication interventions prompt:

response: Boolean (Single)

□

prompt: Non-opioid pain medication

itemCode: [416118004 |Administration (procedure)] ->(260686004 |Method (attribute))->[129445006 |Administration - action (qualifier value)] ->(363701004 |Direct substance (attribute))->[322208004 |Non-opioid analgesics (product)]

response: Boolean (Single)

prompt: Opioid pain medication

itemCode: [416118004 |Administration (procedure)] ->(260686004 |Method (attribute))->[129445006 |Administration - action (qualifier value)] ->(363701004 |Direct substance (attribute))->[404642006 |Substance with opioid receptor agonist mechanism of action (substance)]

response: Boolean (Single)

responseBinding: Property ("Opoid")

Condition:elm:Property

prompt: Query State PDMP

response: Boolean (Single)

prompt: Sign or Initiate consent for opioid therapy

response: Boolean (Single)

prompt: Management/prevention of opioid-induced constipation

itemCode: [169443000 |Preventive procedure (procedure)]- ->(363702006 |Has focus (attribute))->[14760008 |Constipation (disorder)]- ->(246075003 |Causative agent (attribute))->[404642006 |Substance with opioid receptor agonist mechanism of action (substance)];

response: Boolean (Single)

prompt: Overdose education and naloxone distribution

itemCode: 718021000 |Education about take home naloxone for opiate overdose intervention (procedure)|

response: Boolean (Single)

prompt: Medication monitoring/diagnostic evaluation

itemCode: 395170001 |Medication monitoring (regime/therapy)|

response: Boolean (Single)

responseBinding: Property ("MedicationMonitoring")

Condition:elm:Property

prompt: Detail

response: String (Single)

prompt: Manage adverse drug reaction related to pain medication

itemCode: [363259005 |Patient management procedure (procedure)] ->(363702006 |Has focus (attribute))->[292040004 |Analgesic adverse reaction (disorder)]

response: Boolean (Single)

responseBinding: Property ("Adverse")

Condition:elm:Property

prompt: Detail

response: String (Single)

☐ Follow-up prompt:

response: Boolean (Single)

responseBinding: Property ("Followup")

☐ **Condition:**elm:Property

☐ prompt: Date and time

response: Timestamp (Single)

☐ prompt: Detail

response: String (Single)

Chapter 16. Tabular List

Terminology Service Request (TSR) Mappings

Table 16.1. Terminology Versions

Name	Identifer	Version
SNOMED CT	2.16.840.1.113883.6.96	United States Edition 20180301

Table 16.2. Terminology References

System	Code	Display Text[a]	References[b]
SNOMED CT	05257e84-e247-4f2e-bb83-dccd395d56a8 |Mindfulness therapy (procedure)|	Postcoordinated Expression	2
SNOMED CT	133936004 |Adult (person)|	Adult	1
SNOMED CT	1411000205104 |Comprehensive metabolic panel (procedure)|	Precoordinated Expression	1
SNOMED CT	19997007 |Hypnotherapy (regime/therapy)|	Precoordinated Expression	2
SNOMED CT	225206006 |Sleep and rest interventions (procedure)|	Precoordinated Expression	1
SNOMED CT	226060000 |Stress management (procedure)|	Precoordinated Expression	1
SNOMED CT	228565006 |Imagery technique (regime/therapy)|	Precoordinated Expression	2
SNOMED CT	229064008 |Movement therapy (regime/therapy)|	Precoordinated Expression	1
SNOMED CT	229070002 |Stretching exercises (regime/therapy)|	Precoordinated Expression	1
SNOMED CT	229223006 |Participation in Tai Chi (regime/therapy)|	Precoordinated Expression	2
SNOMED CT	229224000 |Participation in yoga (regime/therapy)|	Precoordinated Expression	2
SNOMED CT	26604007 |Complete blood count (procedure)|	Precoordinated Expression	1
SNOMED CT	28150003 |Biofeedback procedure (regime/therapy)|	Precoordinated Expression	2
SNOMED CT	304891004 |Cognitive - behavior therapy (regime/therapy)|	Precoordinated Expression	1

System	Code	Display Text[a]	References[b]
SNOMED CT	314076009 |Toxicology screening test (procedure)|	Precoordinated Expression	2
SNOMED CT	33022008 |Hospital-based outpatient department (environment)|	Outpatient	1
SNOMED CT	38256005 |Social network therapy (regime/therapy)|	Precoordinated Expression	1
SNOMED CT	386365008 |Meditation facilitation (procedure)|	Precoordinated Expression	2
SNOMED CT	386373004 |Nutrition therapy (regime/therapy)|	Precoordinated Expression	1
SNOMED CT	395170001 |Medication monitoring (regime/therapy)|	Precoordinated Expression	1
SNOMED CT	398166005 |Performed (qualifier value)|	Precoordinated Expression	9
SNOMED CT	424407005 |Substance use cessation education, guidance, and counseling (procedure)|	Precoordinated Expression	1
SNOMED CT	43396009 |Hemoglobin A1c measurement (procedure)|	Precoordinated Expression	1
SNOMED CT	447678008 |Measurement of 25-hydroxyergocalciferol (procedure)|	Precoordinated Expression	1
SNOMED CT	44868003 |Acupuncture (procedure)|	Precoordinated Expression	2
SNOMED CT	453231000124104 |Primary care provider (occupation)|	Primary Care Provider (PCP)	1
SNOMED CT	47545007 |Continuous positive airway pressure ventilation treatment (regime/therapy)|	Precoordinated Expression	1
SNOMED CT	5351000124100 |Primary care clinic (environment)|	Primary Care	1
SNOMED CT	702388001 |Tobacco use cessation education (procedure)|	Precoordinated Expression	1
SNOMED CT	715756009 |Lifestyle adjustment training (procedure)|	Precoordinated Expression	1
SNOMED CT	718021000 |Education about take home naloxone	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	for opiate overdose intervention (procedure)|		
SNOMED CT	75516001 |Psychotherapy (regime/therapy)|	Precoordinated Expression	1
SNOMED CT	84635008 |Disease process or condition education (procedure)|	Precoordinated Expression	1
SNOMED CT	91251008 |Physical therapy procedure (regime/therapy)|	Postcoordinated Expression	2
SNOMED CT	TSR-NoCode[c]	Precoordinated Expression	6
SNOMED CT	[169443000 |Preventive procedure (procedure)]- ->(363702006 |Has focus (attribute))->[14760008 |Constipation (disorder)]- ->(246075003 | Causative agent (attribute))->[404642006 | Substance with opioid receptor agonist mechanism of action (substance)];	Postcoordinated Expression	1
SNOMED CT	[182771004 |Informed consent for procedure (procedure)] ->(363702006 |Has focus (attribute))->[726582005 |Opiate therapy (procedure)]	Postcoordinated Expression	1
SNOMED CT	[32485007 |Hospital admission (procedure)] ->(363702006 |Has focus (attribute))->[5602001 | Opioid abuse (disorder)]	Postcoordinated Expression	2
SNOMED CT	[363259005 |Patient management procedure (procedure)] ->(363702006 |Has focus (attribute))->[292040004 | Analgesic adverse reaction (disorder)]	Postcoordinated Expression	1
SNOMED CT	[416118004 |Administration (procedure)] ->(260686004 |Method (attribute))->[129445006 |Administration - action (qualifier value)] ->(363701004 | Direct substance (at-	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	tribute))->[322208004 | Non-opioid analgesics (product)]		
SNOMED CT	[416118004 |Administration (procedure)] ->(260686004 |Method (attribute))->[129445006 |Administration - action (qualifier value)] ->(363701004 | Direct substance (attribute))->[404642006 | Substance with opioid receptor agonist mechanism of action (substance)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[061d5677-0600-4b60-98b0-e4a0c5fd3a84 |Pain aggravated by poor nutrition (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[110483000 | Tobacco user (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[118190003 | Sleep finding (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[161891005 | Backache (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	(attribute))->[161896000 | Complaining of upper back ache (finding)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[163020007 |On examination - blood pressure reading (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[172f1507-d6f0-4c48-bd1e-95d-d477754d6 |Pain relief by lying down (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[197480006 |Anxiety disorder (disorder)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[1a0e-f3fa-4e70-4a84-bed-f-706396899f63 |Obtains early refills of opioid prescriptions (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[200c9d89-dee9-4f0e-903f-53f77f-bf5bd6 |Pain aggravated by cold weather (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation proce-	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	dure (procedure)] ->(363702006 |Has focus (attribute))->[21522001 | Abdominal pain (finding)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[219006 | Current drinker of alcohol (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[225450009 | Homicidal thoughts (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[228372006 |Poly-drug misuser (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[242253008 | Overdose of opiate (disorder)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[247398009 |Neuropathic pain (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[279038004 |	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	Thoracic back pain (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[279039007 | Low back pain (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[2957a442-7e93-4eeb-9527-c7042c2cba0f | Pain aggravated by anxiety (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301113001 | Finding of heart rate (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301283003 | Finding of rate of respiration (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301331008 |Finding of body mass index (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[307052004 | Illicit drug use (finding)]	Postcoordinated Expression	2

System	Code	Display Text[a]	References[b]
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[30989003 | Knee pain (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[31760619-c4c2-4d6c-aa46-4a2d8e7733cd |User of illicit recreational marijuana (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[34c30e9b-a621-44ad-8d13-6806f4c7a7f3 |Pain aggravated by post-traumatic stress disorder (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[35489007 | Depressive disorder (disorder)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[36358673-9d77-4c7a-987b-441f8f5da653 |User of legal recreational marijuana (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[3c4d6355-2e1d-4a9a-b8e7-0bc90204209a |Pain	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	relief by application of ice (finding)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[3e7f9703-bd6a-42da-b727-be43f988876e |Pain relief by cognitive behavioral approach (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[427346002 | Risk prone health behavior (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[427935006 |Pain relief by rest (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[45326000 | Shoulder pain (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[48429009 | Somatic pain (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[49218002 | Hip pain (finding)]	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[57676002 | Joint pain (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[594d0a01-ed45-4021-86d-c-4b3c1f826113 |Pain aggravated by poor sleep (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[609328004 | Allergic disposition (disorder)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[62014003 | Adverse reaction caused by drug (disorder)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6471006 | Suicidal thoughts (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[67062000 | Terminal insomnia (disorder)]	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6833f7dd-cd16-4987-8320-db07729a89df |Pain aggravated by movement (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6ae3b455-5b3d-44b4-aa25-b9ed03dea815 |Pain aggravated by depression (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6be254c4-4309-4d3c-8a79-53d9b-d184bcb |Pain aggravated by hormone imbalance (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6d75b166-20b5-4fe5-98a0-d38ec561d5fa |Uses multiple prescribers (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[6eec41c4-15b3-4d7c-b731-d7b126690f47 |Ex-user of medical marijuana (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus	Postcoordinated Expression	2

System	Code	Display Text[a]	References[b]
	(attribute))->[702975009 | Ex-tobacco user (finding)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[73595000 | Stress (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[7516f2f5-8171-4d6d-af28-fbb0994b6b4c |Ex-user of illicit recreational marijuana (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[75478009 | Poisoning (disorder)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[7804d280-befe-4ba7-9387-8601928514 4f |Ex-user of legal recreational marijuana (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[796908f2-6b92-435f-a098-c648fdb36029 |Pain relief by integrative health therapy (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[79ede33a-45a2-46f9-	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	a3be-94bb384e747a |Pain relief by application of heat (finding)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[81680005 | Neck pain (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[82581004 | Ex-drinker (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[88004a00-3b67-408b-8737-fe0cce58ddcf |Pain aggravated by diabetes (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[972638ea-cc75-48f2-a881-16358a798848 |Pain aggravated by infectious disease (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[ac23a526-dc71-4264-b359-61f2b5ab7a1b | User of medical marijuana (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	|Has focus (attribute))->[ad5e2961-02f1-40dd-aafb-82821f6ac985 |Pain relief by movement (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[b1c03656-6306-47d6-8ee6-a80227b99e4a |Ex-user of illicit drugs (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[b71c0528-33ce-499b-aef8-b095f8c2900e |Uses opioids to support sleep (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[bf8ceb54-0a74-46f1-a43e-646b3587d564 |Pain aggravated by sexual trauma during military service (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[d1bdabcd-d0e8-45da-b4add9159049d824 |Pain aggravated by prolonged standing (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[d415a2fcd8ff-47a2-949b-37193db38df4 |Pain aggravated	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	by mental health problems (finding)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[d57ab696-0ec2-479a-be85-9fb7ee17655f |Pain aggravated by inflammatory process (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[e49c-c42c-afa0-4f52-9b1b-6509d31b68bc |Pain relief by elevation of limb (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[e5530930-acc3-4778-943d-a7de-f9476607 |Uses opioids for stress relief (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[e583ef45-ed-db-4028-bb7b-73171c6734b9 |Pain aggravated by change in climate (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[ec406ab7-1200-4e-f4-b31e-062896495a4a | Pain aggravated by prolonged sitting (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation proce-	Postcoordinated Expression	2

System	Code	Display Text[a]	References[b]
	dure (procedure)]- ->(363702006 |Has focus (attribute))->[185265000 |Seen in emergency clinic (finding)]- ->(42752001 |Due to (attribute))->[5602001 |Opioid abuse (disorder)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[301325005 |Finding of general energy (finding)]- ->(363714003 |Interprets (attribute))->[359755007 | Energy / stamina (observable entity)]- (363713009 |Has interpretation (attribute))->[1fb50fd0-c49f-4a2b-b4e1-df6699a4cc10 |Medium (qualifier value)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[301325005 |Finding of general energy (finding)]- ->(363714003 |Interprets (attribute))->[359755007 | Energy / stamina (observable entity)]- (363713009 |Has interpretation (attribute))->[62482003 |Low (qualifier value)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[301325005 |Finding of general energy (finding)]- ->(363714003 |Interprets (attribute))->[359755007 | Energy / stamina (observ-	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	able entity)]- (363713009 |Has interpretation (attribute))->[75540009 |High (qualifier value)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[67062000 | Terminal insomnia (disorder)]- ->(42752001 |Due to (attribute))->[22253000 | Pain (finding)];	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[67062000 | Terminal insomnia (disorder)]- ->(42752001 |Due to (attribute))->[32914008 | Restless legs (disorder)];	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[67062000 | Terminal insomnia (disorder)]- ->(42752001 |Due to (attribute))->[419145002 | Nightmares (finding)];	Postcoordinated Expression	1
SNOMED CT	aada5366-f841-4015-9c6a-5dd1a22a8ee3 |Acceptance and commitment therapy (regime/therapy)|	Precoordinated Expression	1

[a]If a code is used multiple times in the KNART, only the display text of the first instance is shown.

[b]Count of the number of times the given code system and code pair is used in the KNART.

[c]TSR-NoCode is a placeholder indicating a code was requested, but was not provided.

Chapter 17. Behavior Symbols

Table 17.1. Group Organizational Behavior

Symbol	Name	Definition
▸	Sentence Group	A group of related alternative actions is a sentence group if the item referenced by the action is the same in all the actions, and each action simply constitutes a different variation on how to specify the details for that item. For example, two actions that could be in a SentenceGroup are "aspirin, 500 mg, 2 times per day" and "aspirin, 300 mg, 3 times per day". In both cases, aspirin is the item referenced by the action, and the two actions represent two different options for how aspirin might be ordered for the patient. Note that a SentenceGroup would almost always have an associated selection behavior of "AtMostOne", unless it's a required action, in which case, it would be "ExactlyOne".
▹	Logical Group	A group with this behavior logically groups its sub-elements, and may be shown as a visual group to the end user, but it is not required to do so.
➢	Visual Group	Any group marked with this behavior should be displayed as a visual group to the end user.

Table 17.2. Group Selection Behavior

Symbol	Name	Definition
□	Any	Any number of the items in the group may be chosen, from zero to all.
◉	All	All the items in the group must be selected as a single unit.
◎	AllOrNone	All the items in the group are meant to be chosen as a single unit: either all must be selected by the end user, or none may be selected.
○	ExactlyOne	The end user must choose one and only one of the selectable items in the group. The user may not choose none of the items in the group.
✪	AtMostOne	The end user may choose zero or at most one of the items in the group.
❂	OneOrMore	The end user must choose a minimum of one, and as many additional as desired.

Table 17.3. Required Behavior

Symbol	Name	Definition
✦	Must	An action with this behavior must be included in the actions processed by the end user; the end user may not choose not to include this action.

Symbol	Name	Definition
✧	Could	An action with this behavior may be included in the set of actions processed by the end user.
➢	MustUnlessDocumented	An action with this behavior must be included in the set of actions processed by the end user, unless the end user provides documentation as to why the action was not included.

Table 17.4. Precheck Behavior

Symbol	Name	Definition
▲	Yes	An action with this behavior is one of the most frequent actions that is, or should be, included by an end user, for the particular context in which the action occurs. The system displaying the action to the end user should consider "pre-checking" such an action as a convenience for the user.
▿	No	An action with this behavior is one of the less frequent actions included by the end user, for the particular context in which the action occurs. The system displaying the actions to the end user would typically not "pre-check" such an action.

Table 17.5. Cardinality Behavior

Symbol	Name	Definition
◆	Single	An action with this behavior may only be completed once.
❖	Multiple	An action with this behavior may be repeated multiple times.

Table 17.6. Item Flags

Symbol	Name	Definition
☞	fillIn	This item, in a list entry, allows the user to enter a fill in value that is not present in the set of presented choices.

Table 17.7. Read Only Behavior

Symbol	Name	Definition
☆	true	For a particular action or action group, specifies whether the elements are read only.

Appendix A. References

This appendix contains the list of related resources and supporting documents used in creating this KNART.

List of References

Related Resources

[CCWP] *Mental Health: Opioids and Chronic Noncancer Pain White Paper*

[CSD] *Mental Health: Chronic Noncancer Pain Documentation Template Conceptual Structure Document*

[KVRpt] *Mental Health: Chronic Noncancer Pain Documentation Template KNART Validation Report*

Supporting Evidence

[Oliva 2017] *Oliva EM, Bowe T, Tavakoli S, et al. Development and applications of the Veterans Health Administration's Stratification Tool for Opioid Risk Mitigation (STORM) to improve opioid safety and prevent overdose and suicide. Psychol Serv. 2017;14(1):34-49.* (link [https://doi.org/10.1037/ser0000099])

[Trafton 2017a] *J. Trafton. Opioid risk stratification and mitigation tool: supporting targeted efforts to encourage and track use of recommended strategies for prevention of adverse events in patients with opioid prescriptions or opioid use disorders (AAPM December 2015 panel presentation for clearance2*

[Sanders 2017] *Opioid Therapy Risk Report patient details (Office of Health Informatics - Opioid KNARTs Harmonization Project - OTRR Screenshots 20171222.docx; email communication and materials provided by William J. Sanders, December 22, 2017).*

[Robeck 2017a] *PBM CPPO pain PhARMD template: frequently asked questions (PBM PAIN PhARMD TEMPLATE FAQ DOCUMENT2.pptx; materials provided by Ilene R. Robeck, November 27, 2017*

[Robeck 2017b] *PBM PhARMD pain documentation template version 1: installation instructions, 28AUG2017 (PhARMD Pain Mgmt Note Template_Install Screenshots_28AUG2017.pptx; materials provided by Ilene R. Robeck, November 27, 2017).*

[Trafton 2017b] *STORM: Patient Detail Dashboard: Stratification Tool for Opioid Risk Mitigation (STORMde-ided-screenshot.png; materials provided by Jodie Trafton, December 12, 2017).*

[Rosenberg 2017] *Rosenberg JM, Bilka BM, Wilson SM, Spevak C. Opioid Therapy for Chronic Pain: Overview of the 2017 US Department of Veterans Affairs and US Department of Defense Clinical Practice Guideline. Pain Med. 2017 Sep 1* (link [https://www.ncbi.nlm.nih.gov/pubmed/29025128])

[VA 2016] *U.S. Department of Veterans Affairs; Veterans Health Administration. Querying State Prescription Drug Monitoring Programs (PDMP). VHA Directive 1306. VHA Publications website. https://www.va.gov/vhapublications/ViewPublication.asp?pub_ID=3283. Published October 19, 2016. Accessed February 8, 2018* (link [https://www.va.gov/vhapublications/ViewPublication.asp?pub_ID=3283])

[VA 2014] *U.S. Department of Veterans Affairs; Veterans Health Administration. Informed Consent for Long-Term Opioid Therapy for Pain. VHA Directive 1005. VHA Publications website. https://www.va.gov/vhapublications/ViewPublication.asp?pub_ID=3005. Published May 6, 2014. Accessed February 8, 2018.* (link [https://www.va.gov/vhapublications/ViewPublication.asp?pub_ID=3005])

[NLM 2016a] *U.S. National Library of Medicine. BENGAY GREASELESS PAIN RELIEVING- menthol, unspecified form and methyl salicylate cream [Johnson and Johnson Consumer Inc.]. DailyMed website. https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=0d75b27f-496e-495d-b788-0dd3c0f5a32f. Revised April 2016* (link [https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=0d75b27f-496e-495d-b788-0dd3c0f5a32f])

[NLM 2015a] *U.S. National Library of Medicine. CAPSAICIN ARTHRITIS PAIN RELIEF CREAM-capsaicin cream. [McCure Health Solutions Inc.]. DailyMed website. https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=7c31736c-edaa-4390-a2fb-eab2fd495f7d. Revised April 2015.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=7c31736c-edaa-4390-a2fb-eab2fd495f7d])

[NLM 2017a] *U.S. National Library of Medicine. CELECOXIB - celecoxib capsule [Jubilant Cadista Pharmaceuticals Inc.]. DailyMed website. https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=27d813ea-7798-09cb-734b-b970d7248f1f. Revised April 2017.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=27d813ea-7798-09cb-734b-b970d7248f1f])

[NLM 2017b] *U.S. National Library of Medicine. DICLOFENAC SODIUM-diclofenac gel. [Amneal Pharmaceuticals LLC]. DailyMed website. https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=f64b68a5-d6d2-4e92-87e7-90af04c1f9db. Revised January 2017* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=f64b68a5-d6d2-4e92-87e7-90af04c1f9db])

[NLM 2016b] *U.S. National Library of Medicine. IBU-ibuprofen tablet [Dr. Reddy's Laboratories Limited]. DailyMed website. https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=24731405-219c-79b4-ecf0-7d5fbfda94ba. Revised October 2016.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=24731405-219c-79b4-ecf0-7d5fbfda94ba])

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[NLM 2018] *U.S. National Library of Medicine. NAPROSYN-naproxen tablet; EC-NAPROSYN-naproxen tablet, delayed release; NAPROSYN-naproxen suspension; ANAPROX-naproxen sodium tablet; ANAPROX DS-naproxen sodium tablet. [Genentech, Inc.]. DailyMed website. https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=68848217-03c9-4377-9be6-6f567e629129. Revised January 2018.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=68848217-03c9-4377-9be6-6f567e629129])

[NLM 2017c] *U.S. National Library of Medicine. REDICARE IBUPROFEN- ibuprofen 200mg tablet, film coated. [Redicare LLC]. DailyMed website. https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=45eb33f0-71e2-11d5-e054-00144ff88e88. Revised January 2017.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=45eb33f0-71e2-11d5-e054-00144ff88e88])

[NLM 2016c] *U.S. National Library of Medicine. TYLENOL REGULAR STRENGTH- acetaminophen tablet [Johnson and Johnson Consumer Inc., McNeil Consumer Healthcare Division]. DailyMed Website. https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=1622f694-4d63-4c56-8737-fae31f0ecfb7. Revised October 2016.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=1622f694-4d63-4c56-8737-fae31f0ecfb7])