

Mental Health: Chronic Noncancer Pain Documentation Template

Documentation Template: Conceptual Structure

**Contract: VA118-16-D-1008, Task Order
(TO): VA-118-16-F-1008-0007, CLIN0009DA**

Department of Veterans Affairs (VA)



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

Publication date 06/18/2018

Version: 1.0

Mental Health: Chronic Noncancer Pain Documentation Template: Documentation Template: Conceptual Structure

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

Publication date 06/18/2018

Copyright © 2018 B3 Group, Inc.

Copyright © 2018 Cognitive Medical Systems, Inc.

B3 Group, Inc.

NOTICE OF GOVERNMENT COPYRIGHT LICENSE AND UNLIMITED RIGHTS LICENSE

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.

You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Portions of this content are derivative works from content produced by Cognitive Medical Systems, Inc. licensed under the Apache License, Version 2.0.

Additional portions of this content are derivative works from content contributed by Motive Medical Intelligence Inc., under Creative Commons Attribution-ShareAlike 4.0.

Contributions from 2013-2018 were performed either by US Government employees, or under US Veterans Health Administration contracts.

US Veterans Health Administration contributions by government employees are work of the U.S. Government and are not subject to copyright protection in the United States. Portions contributed by government employees are USGovWork (17USC §105). Not subject to copyright.

See: <https://www.usa.gov/government-works>

Contribution by contractors to the US Veterans Health Administration during this period are contractually contributed under the Apache License, Version 2.0 and US Government sponsorship is acknowledged under Contract VA118-16-D-1008, Task Order VA11817F10080007.

Cognitive Medical Systems, Inc.

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.

You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

This and related content produced by Cognitive Medical Systems, Inc. licensed under the Apache License, Version 2.0 is available at: <https://bitbucket.org/cogmedsys/hl7-kas-examples>

Additional portions of this content are derivative works from content contributed by Motive Medical Intelligence Inc., under Creative Commons Attribution-ShareAlike 4.0. <https://bitbucket.org/cogmedsys/kas-source-material>

Contributions from 2013-2018 were performed either by US Government employees, or under US Veterans Health Administration contracts.

US Veterans Health Administration contributions by government employees are work of the U.S. Government and are not subject to copyright protection in the United States. Portions contributed by government employees are USGovWork (17USC §105). Not subject to copyright. See: <https://www.usa.gov/government-works>

Contribution by contractors to the US Veterans Health Administration during this period are contractually contributed under the Apache License, Version 2.0 and US Government sponsorship is acknowledged under Contract VA118-16-D-1008-0007.

Table of Contents

Preface	v
Artifact Applicability	vii
Models	viii
1. External Data Definitions	1
Definitions	1
Triggers	2
2. Expression Definitions	3
3. Visit Information	4
4. Physical Exam	5
5. Pain Description	6
6. Relevant Vitals	19
7. Relevant Laboratory Values	20
8. Medication Profile	21
9. Nonpharmacologic treatment	23
10. Patient Education	25
11. Activities of Daily Living	26
12. Affect/Mood	28
13. Risk Mitigation Strategies	29
14. Assessment	31
15. Plan	32
16. Tabular List	37
17. Behavior Symbols	53
A. References	55

List of Tables

1. Revision History	v
2. Clinical White Paper Contributors	v
3. Artifact Identifier	vi
4. Applicability Foci, Description and Codes	vii
5. Model References	viii
1.1. Pertinent Surgical History	1
1.2. Medications	1
1.3. Current Medications	1
1.4. Complete Blood Count	1
1.5. Comprehensive Metabolic Panel	1
1.6. Hemoglobin A1c	1
1.7. Toxicology Screen	1
1.8. 25-hydroxyvitamin D	2
1.9. Pain diagnoses	2
16.1. Terminology Versions	37
16.2. Terminology References	37
17.1. Group Organizational Behavior	53
17.2. Group Selection Behavior	53
17.3. Required Behavior	53
17.4. Precheck Behavior	54
17.5. Cardinality Behavior	54
17.6. Item Flags	54
17.7. Read Only Behavior	54

Preface

Table 1. Revision History

Date	Life Cycle Event
June 18, 2018	Published
June 7, 2018	Published
June 7, 2018	Reviewed
March 1, 2018	Pre-published
August 10, 2017	Created

Table 2. Clinical White Paper Contributors

Name	Role	Affiliation
Ilene Robeck, Physician	Author	Physician, Richmond VA Medical Center (VAMC), Richmond, VA
Jodie Trafton, Director	Author	Director, VA Program Evaluation and Resource Center, VA Palo Alto Health Care System, Menlo Park, CA
Friedhelm Sandbrink, Acting Director of Pain Management Program Office	Author	Acting Director of Pain Management Program Office, Department of VA, Washington, DC
Elizabeth Oliva, OEND Coordinator	Author	VA National Opioid Overdose Education and Naloxone Distribution (OEND) Coordinator, VA Palo Alto Health Care System, Menlo Park, CA
Eleanor Lewis, Research Health Science Specialist	Author	Research Health Science Specialist, VA Palo Alto Health Care System, Menlo Park, CA
Kendall Browne, Clinical Psychologist	Author	Clinical Psychologist, Seattle Puget Sound Health Care System, Seattle, WA
Alicia Heapy, Mental Health	Author	Mental Health, VA New England Healthcare System, West Haven, CT
Karen Drexler, National Mental Health Program Director	Author	National Mental Health Program Director, Substance Use Disorders, VA Central Office, Atlanta, GA
Andrew Saxon, Physician	Author	Physician, Seattle Health Care System, Seattle, WA
Melissa Christopher, National Director	Author	National Director, Academic Detailing VACO Pharmacy Benefits Management (PBM), Mission Valley Annex VISN 22, San Diego, CA
Daina Wells	Author	United States

Name	Role	Affiliation
Lucille Burgo, Firm Chief, Primary Care	Author	Firm Chief, Primary Care, VA New England Healthcare System, West Haven, CT
Julianne Himstreet, Pharmacist	Author	Pharmacist, Eugene, OR

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

Telehealth encounter; patient gave verbal consent for telehealth
prompt:
response: Boolean (Single)

Patient Name
prompt:
response: String (Single)

Patient Age
prompt:
response: Integer (Single)

Patient Race
prompt:
response: Code (Single)

Patient Gender
prompt:
response: Code (Single)

Subjective and objective description of patient's current active medical problems
prompt:
response: String (Single)

#	
	<div># 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)</div>
#	
❖	<div># prompt: Pertinent Surgical History response: Tuple (Single) initialValue: Pertinent Surgical History</div>
#	
❖	<div># prompt: Medications response: Code (Single) initialValue: Medications</div>

Chapter 4. Physical Exam

* prompt: Relevant findings on current physical exam

response: String (Single)

Chapter 5. Pain Description

* Impact of pain on function	
* Functional impact of pain	
prompt:	
response: String (Single)	
* Functional impact of treatment for pain (positive or negative impact)	
prompt:	
response: String (Single)	
* Type of pain	
* Neuropathic pain	
prompt:	
itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[247398009 Neuropathic pain (finding)]	
response: Boolean (Single)	
* Somatic pain	
prompt:	
itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[48429009 Somatic pain (finding)]	
response: Boolean (Single)	
* Other type of pain (describe details)	
prompt:	
response: String (Single)	
* Pain location	
* Back	
prompt:	
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)	
* Lower	
prompt:	
itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[279039007 Low back pain (finding)]	
response: Boolean (Single)	
* Middle	
prompt:	
itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[279038004 Thoracic back pain (finding)]	
response: Boolean (Single)	

	<ul style="list-style-type: none"> * Upper
	prompt:
	itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[161896000 Complaining of upper back ache (finding)]
	response: Boolean (Single)
	<ul style="list-style-type: none"> * Neck
	prompt:
	itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[81680005 Neck pain (finding)]
	response: Boolean (Single)
	<ul style="list-style-type: none"> * Joints
	prompt:
	itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[57676002 Joint pain (finding)]
	response: Boolean (Single)
	responseBinding: Property ("JointPain")
	<ul style="list-style-type: none"> * Condition:elm:Property
	Location of pain: Select all that apply (at least one)
	<ul style="list-style-type: none"> * Knee
	prompt:
	itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[30989003 Knee pain (finding)]
	response: Boolean (Single)
	<ul style="list-style-type: none"> * Hip
	prompt:
	itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[49218002 Hip pain (finding)]
	response: Boolean (Single)
	<ul style="list-style-type: none"> * Shoulder
	prompt:
	itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[45326000 Shoulder pain (finding)]
	response: Boolean (Single)
	<ul style="list-style-type: none"> * Other (describe details)
	prompt:
	response: String (Single)
	<ul style="list-style-type: none"> * Abdominal
	prompt:
	itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[21522001 Abdominal pain (finding)]
	response: Boolean (Single)
	<ul style="list-style-type: none"> * Other location of pain (describe details)
	prompt:

response: String (Single)	
* Aggravating factors	
# Cold weather	
prompt:	
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)	
# Climate change	
prompt:	
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)	
# Diabetes	
prompt:	
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)	
# Hormone imbalance	
prompt:	
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:	
itemCode: [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:	
itemCode: [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:	
itemCode: [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:
itemCode: [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:
itemCode: [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:
itemCode: [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)

# Posttraumatic Stress Disorder
prompt:
itemCode: [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)

# Other mental health problems (describe details)
prompt:
response: String (Single)

# Movement
prompt:
itemCode: [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)

# Poor nutrition
prompt:
itemCode: [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)

# Poor sleep
prompt:
itemCode: [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)

```

Prolonged sitting
prompt:
itemCode: [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)
Prolonged standing
prompt:
itemCode: [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)
Risky behaviors related to opioid use
prompt:
itemCode: [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
* Concurrent use of other substances that increase risk (e.g., alcohol, cannabis)
prompt:
itemCode: [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
* Details
prompt:
response: String (Single)
* Early refills
prompt:
itemCode: [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)
* Multiple prescribers
prompt:
itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] - >(363702006 Has focus (attribute))->[6d75b166-20b5-4fe5-98a0-d38ec561d5fa Uses multiple prescribers (finding)]
response: Boolean (Single)
* Use of opioids for sleep
prompt:

itemCode: [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)
* Use of opioids for stress
prompt:
itemCode: [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 ("UseOfOpioids")
* 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:

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

itemCode: [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

Current user

prompt:

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

response: Boolean (Single)

#

Amount and frequency of use

prompt:

response: String (Single)

Former user

prompt:

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

response: Boolean (Single)

#

Quit date (if date unknown, indicate year)

prompt:

response: Timestamp (Single)

Additional details

prompt:

response: String (Single)

* Cannabis

prompt:

response: Boolean (Single)

responseBinding: Property ("CannabisUse")

* **Condition:**elm:Property

Legal recreational

prompt:

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

itemCode: [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

Current user

prompt:

itemCode: [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

Amount and frequency of use

prompt:

response: String (Single)

Former user

prompt:

itemCode: [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

Quit date (if date unknown, indicate year)

prompt:

response: Timestamp (Single)

Additional details

prompt:

response: String (Single)

Illicit recreational

prompt:

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

itemCode: [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

			<p># Current user</p> <p>prompt:</p> <p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[31760619-c4c2-4d6c-aa46-4a2d8e7733cd User of illicit recreational marijuana (finding)]</p> <p>response: Boolean (Single)</p> <p>responseBinding: Property ("CurrentIllicitUser")</p>
			<p># Condition:elm:Property</p>
			<p># Amount and frequency of use</p> <p>prompt:</p> <p>response: String (Single)</p>
			<p># Former user</p> <p>prompt:</p> <p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[7516f2f5-8171-4d6d-af28-fbb0994b6b4c Ex-user of illicit recreational marijuana (finding)]</p> <p>response: Boolean (Single)</p> <p>responseBinding: Property ("FormerIllicitUser")</p>
			<p># Condition:elm:Property</p>
			<p># Quit date (if date unknown, indicate year)</p> <p>prompt:</p> <p>response: Timestamp (Single)</p>
			<p># Additional details</p> <p>prompt:</p> <p>response: String (Single)</p>
			<p># Medical</p> <p>prompt:</p> <p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[ac23a526-dc71-4264-b359-61f2b5ab7a1b User of medical marijuana (finding)]</p> <p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[6eec41c4-15b3-4d7c-b731-d7b126690f47 Ex-user of medical marijuana (finding)]</p> <p>response: Boolean (Single)</p> <p>responseBinding: Property ("MedicalUse")</p>
			<p># Condition:elm:Property</p>
			<p># Current user</p> <p>prompt:</p> <p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[ac23a526-dc71-4264-b359-61f2b5ab7a1b User of medical marijuana (finding)]</p>

			response: Boolean (Single) responseBinding: Property ("CurrentMedicalUser") # Condition: elm:Property # Amount and frequency of use prompt: response: String (Single) # Former user prompt: itemCode: [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 # Quit date (if date unknown, indicate year) prompt: response: Timestamp (Single) # Additional details prompt: response: String (Single)
	# Illicit drugs		
	prompt:		
	itemCode:	[a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] -	
		>(363702006 Has focus (attribute))->[307052004 Illicit drug use (finding)]	
	itemCode:	[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:		
	itemCode:	[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		

			<p># Amount and frequency of use</p> <p>prompt:</p> <p>response: String (Single)</p>
			<p># Former user</p> <p>prompt:</p>
		itemCode:	<p>[a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[b1c03656-6306-47d6-8ee6-a80227b99e4a Ex-user of illicit drugs (finding)]</p>
		response:	<p>Boolean (Single)</p>
		responseBinding:	<p>Property ("FormerDrugUser")</p>
		# Condition:	<p>elm:Property</p>
			<p># Quit date (if date unknown, indicate year)</p> <p>prompt:</p> <p>response: Timestamp (Single)</p>
			<p># Additional details</p> <p>prompt:</p> <p>response: String (Single)</p>
		# Tobacco	
		prompt:	
		itemCode:	<p>[a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[110483000 Tobacco user (finding)]</p>
		itemCode:	<p>[a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[702975009 Ex-tobacco user (finding)]</p>
		response:	<p>Boolean (Single)</p>
		responseBinding:	<p>Property ("TobaccoUser")</p>
		# Condition:	<p>elm:Property</p>
			<p># Current user</p> <p>prompt:</p>
		itemCode:	<p>[a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[110483000 Tobacco user (finding)]</p>
		response:	<p>Boolean (Single)</p>
		response	<p>EnumerationConstraint (List)</p>
		range:	
		item:	<p>Every day</p>
		item:	<p>Some days</p>
		item:	<p>Not at all</p>
			<p># Amount of frequency or use</p> <p>prompt:</p> <p>response: String (Single)</p>
			<p># Former user</p> <p>prompt:</p>

	<p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->[363702006 Has focus (attribute))->[702975009 Ex-tobacco user (finding)]</p> <p>response: Boolean (Single)</p> <p># Quit date (if date unknown, indicate year)</p> <p>prompt:</p> <p>response: Timestamp (Single)</p> <p># Additional details</p> <p>prompt:</p> <p>response: String (Single)</p>
	<p># Toxic Exposure</p> <p>prompt:</p>
	<p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->[363702006 Has focus (attribute))->[75478009 Poisoning (disorder)]</p> <p>response: Boolean (Single)</p> <p># Other</p> <p>prompt:</p> <p>response: Boolean (Single)</p> <p>responseBinding: Property ("Other")</p> <p># Condition:elm:Property</p>
	<p># Details</p> <p>prompt:</p> <p>response: String (Single)</p>
* Alleviating factors	
	<p># Lying down</p> <p>prompt:</p>
	<p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->[363702006 Has focus (attribute))->[172f1507-d6f0-4c48-bd1e-95dd477754d6 Pain relief by lying down (finding)]</p> <p>response: Boolean (Single)</p>
	<p># Rest</p> <p>prompt:</p>
	<p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->[363702006 Has focus (attribute))->[427935006 Pain relief by rest (finding)]</p> <p>response: Boolean (Single)</p>
	<p># Heat</p> <p>prompt:</p>
	<p>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->[363702006 Has focus (attribute))->[79ede33a-45a2-46f9-a3be-94bb384e747a Pain relief by application of heat (finding)]</p> <p>response: Boolean (Single)</p>
	<p># Ice</p> <p>prompt:</p>

```

itemCode: [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:
itemCode: [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)
# Movement
prompt:
itemCode: [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)
# Complementary integrative health (e.g., mindfulness)
prompt:
itemCode: [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)
# Cognitive behavioral approaches (e.g., meeting with friends, music)
prompt:
itemCode: [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)
# Other (provide details)
prompt:
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:
itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |
Has focus (attribute))->[609328004 |Allergic disposition (disorder)]
response: String (Single)

# Adverse drug reactions
prompt:
itemCode: [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:
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)]
itemCode: [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)
	# Current Medications	
	prompt:	
	response: Code (Single)	
	initialValue: Current Medications	
	# Non-VA medications	
	prompt:	
	response: Code (Single)	
	# Previous pain-related medications	
	prompt:	
	response: Code (Single)	

Chapter 9. Nonpharmacologic treatment

Nonpharmacologic treatment/complementary integrative health

Physical Therapy

prompt:

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

response: Boolean (Single)

responseBinding: Property ("Physical Therapy")

Condition:elm:Property

prompt: Dates

response: Timestamp (Single)

prompt: Detail

response: String (Single)

Whole health interventions

prompt:

response: Boolean (Single)

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)|

	<p>response: Boolean (Single)</p> <p># prompt: Guided imagery</p> <p>itemCode: 228565006 Imagery technique (regime/therapy) </p> <p>response: Boolean (Single)</p> <p># prompt: Hypnotherapy</p> <p>itemCode: 19997007 Hypnotherapy (regime/therapy) </p> <p>response: Boolean (Single)</p> <p># prompt: Biofeedback</p> <p>itemCode: 28150003 Biofeedback procedure (regime/therapy) </p> <p>response: Boolean (Single)</p>
--	---

Other non-pharmacologic treatment

prompt:

response: Boolean (Single)

responseBinding: Property ("OtherNonPharmacologic")

Condition:elm:Property

Details

prompt:

response: String (Single)

Chapter 10. Patient Education

# Disease-state education	
prompt:	
response: Boolean (Single)	
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:	
response: Boolean (Single)	
responseBinding: Property ("Lifestyle")	
#	Condition: elm:Property
# prompt: Dates	
response: Timestamp (Single)	
# prompt: Details	
response: String (Single)	
# Other	
prompt:	
response: Boolean (Single)	
responseBinding: Property ("OtherEducation")	
#	Condition: elm:Property
# prompt: Details	
response: String (Single)	

Chapter 11. Activities of Daily Living

# Energy level	<div># prompt: Low</div> <div>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)]</div> <div>response: Boolean (Single)</div> <div># prompt: Medium</div> <div>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)]</div> <div>response: Boolean (Single)</div> <div># prompt: High</div> <div>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)]</div> <div>response: Boolean (Single)</div>				
# Average number of hours of sleep per night	<div>prompt:</div> <div>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[118190003 Sleep finding (finding)]</div> <div>response: Real (Single)</div>				
# Early Awakening	<div># prompt: Early Awakening</div> <div>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[67062000 Terminal insomnia (disorder)]</div> <div>response: Boolean (Single)</div> <div># Cause of early awakening</div> <tr><td># prompt: Pain</td><td><div>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)]->(363702006 Has focus (attribute))->[67062000 Terminal insomnia (disorder)]->(42752001 Due to (attribute))->[22253000 Pain (finding)];</div><div>response: Boolean (Single)</div></td></tr> <tr><td># prompt: Nightmares</td><td><div>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)]->(363702006 Has focus (attribute))-</div></td></tr>	# prompt: Pain	<div>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)]->(363702006 Has focus (attribute))->[67062000 Terminal insomnia (disorder)]->(42752001 Due to (attribute))->[22253000 Pain (finding)];</div> <div>response: Boolean (Single)</div>	# prompt: Nightmares	<div>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)]->(363702006 Has focus (attribute))-</div>
# prompt: Pain	<div>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)]->(363702006 Has focus (attribute))->[67062000 Terminal insomnia (disorder)]->(42752001 Due to (attribute))->[22253000 Pain (finding)];</div> <div>response: Boolean (Single)</div>				
# prompt: Nightmares	<div>itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a Observation procedure (procedure)]->(363702006 Has focus (attribute))-</div>				

	<p>>[67062000 Terminal insomnia (disorder)]- ->(42752001 Due to (attribute))->[419145002 Nightmares (finding)];</p> <p>response: Boolean (Single)</p> <p># prompt: Restless leg syndrome</p> <p>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)];</p> <p>response: Boolean (Single)</p> <p># prompt: Other (provide details)</p> <p>response: String (Single)</p>
# Uses continuous positive airway pressure (CPAP)?	
prompt:	
itemCode: 47545007 Continuous positive airway pressure ventilation treatment (regime/therapy)	
response: Boolean (Single)	
#	<p># prompt: Changes in level of functioning since previous visit?</p> <p>response: Boolean (Single)</p> <p>responseBinding: Property ("ChangesInFunctioning")</p> <p># Condition:elm:Property</p>
	<p># prompt: Provide details</p> <p>response: String (Single)</p>
# Other activities of daily living information	
prompt:	
response: String (Single)	

Chapter 12. Affect/Mood

```
# Anxiety
prompt:
itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |
    Has focus (attribute))->[197480006 |Anxiety disorder (disorder)]
response: Boolean (Single)

# Depression
prompt:
itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |
    Has focus (attribute))->[35489007 |Depressive disorder (disorder)]
response: Boolean (Single)

# Thoughts of suicidality
prompt:
itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |
    Has focus (attribute))->[6471006 |Suicidal thoughts (finding)]
response: Boolean (Single)

# Thoughts of homicidality
prompt:
itemCode: [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:
response: Boolean (Single)
responseBinding: Property ("PillCounts")
```

#	Condition: elm:Property
	# prompt: Detail
	response: String (Single)

Chapter 14. Assessment

Pain diagnoses
prompt:
itemCode: TSR-NoCode
response: Code (Single)
responseBinding: Property ("PainDiagnoses")
initialValue: 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

# Goals of therapy (established by patient) prompt: response: String (Single)																					
# Self-care prompt: response: String (Single)																					
#	<table><tr><td># prompt: Movement and stretching itemCode: 229064008 Movement therapy (regime/therapy) itemCode: 229070002 Stretching exercises (regime/therapy) response: Boolean (Single) responseBinding: Property ("Movement")</td><td></td></tr><tr><td># Condition:elm:Property</td><td></td></tr><tr><td># prompt: Detail response: String (Single)</td><td></td></tr><tr><td># prompt: Nutrition itemCode: 386373004 Nutrition therapy (regime/therapy) response: Boolean (Single) responseBinding: Property ("Nutrition")</td><td></td></tr><tr><td># Condition:elm:Property</td><td></td></tr><tr><td># prompt: Detail response: String (Single)</td><td></td></tr><tr><td>#</td><td></td></tr><tr><td># 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)</td><td></td></tr><tr><td>#</td><td></td></tr><tr><td># prompt: Stress resilience itemCode: 226060000 Stress management (procedure) response: Boolean (Single) responseBinding: Property ("Stress") Condition:elm:Property # prompt: Detail</td><td></td></tr></table>	# 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	
# 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-pharmacologic 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: 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)
	# 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 <hr/> # prompt: Detail response: String (Single)
# Follow-up on toxicology screen	
prompt:	
response: Boolean (Single)	
	responseBinding: Property ("FollowUpToxicology")
	# Condition: elm:Property <hr/> # prompt: Detail response: String (Single)

Medication interventions
 prompt:
 response: Boolean (Single)

#	<p>* 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)</p> <p>* 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)</p> <p>responseBinding: Property ("Opoid")</p> <p>* Condition:elm:Property</p> <p>* prompt: Query State PDMP response: Boolean (Single)</p> <p>* prompt: Sign or Initiate consent for opioid therapy response: Boolean (Single)</p> <p>* 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)</p> <p>* prompt: Overdose education and naloxone distribution itemCode: 718021000 Education about take home naloxone for opiate overdose intervention (procedure) response: Boolean (Single)</p> <p>* prompt: Medication monitoring/diagnostic evaluation itemCode: 395170001 Medication monitoring (regime/therapy) response: Boolean (Single)</p> <p>responseBinding: Property ("MedicationMonitoring")</p> <p>* Condition:elm:Property</p> <p>* prompt: Detail response: String (Single)</p> <p>* 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)</p>
---	--

	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	Identifier	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 (attribute))-	Postcoordinated Expression	1

System	Code	Display Text ^a	References ^b
	>[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-0374c775d0a2 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-0374c775d0a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[110483000 Tobacco user (finding)]	Postcoordinated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d0a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[118190003 Sleep finding (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d0a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[161891005 Backache (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d0a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[161896000 Complaining of upper back ache (finding)]	Postcoordinated Expression	1

System	Code	Display Text ^a	References ^b
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[163020007 On examination - blood pressure reading (finding)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[172f1507-d6f0-4c48-bd1e-95dd477754d6 Pain relief by lying down (finding)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[197480006 Anxiety disorder (disorder)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[1a0ef3fa-4e70-4a84-bedf-706396899f63 Obtains early refills of opioid prescriptions (finding)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[200c9d89-dee9-4f0e-903f-53f77fbf5bd6 Pain aggravated by cold weather (finding)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[21522001 Abdominal pain (finding)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[219006 Current drinker of alcohol (finding)]	Observed Expression	2

System	Code	Display Text ^a	References ^b
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d03a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[225450009 Homicidal thoughts (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d03a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[228372006 Poly-drug misuser (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d03a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[242253008 Overdose of opiate (disorder)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d03a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[247398009 Neuropathic pain (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d03a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[279038004 Thoracic back pain (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d03a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[279039007 Low back pain (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d03a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[2957a442-7e93-4eeb-9527-c7042c2cba0f Pain aggravated by anxiety (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d03a Observation procedure (procedure)] ->(363702006 Has focus (attribute))-	Coordinated Expression	1

System	Code	Display Text ^a	References ^b
	>[301113001 Finding of heart rate (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[301283003 Finding of rate of respiration (finding)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[301331008 Finding of body mass index (finding)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[307052004 Illicit drug use (finding)]	Observed Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[30989003 Knee pain (finding)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[31760619-c4c2-4d6c-aa46-4a2d8e7733cd User of illicit recreational marijuana (finding)]	Observed Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[34c30e9b-a621-44ad-8d13-6806f4c7a7f3 Pain aggravated by post-traumatic stress disorder (finding)]	Observed Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))-	Observed Expression	1

System	Code	Display Text ^a	References ^b
	>[35489007 Depressive disorder (disorder)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[36358673-9d77-4c7a-987b-441f8f5da653 User of legal recreational marijuana (finding)]	0374c775d3a2 Observation procedure (procedure)	2
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[3c4d6355-2e1d-4a9a-b8e7-0bc90204209a Pain relief by application of ice (finding)]	0374c775d3a2 Observation procedure (procedure)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[3e7f9703-bd6a-42da-b727-be43f988876e Pain relief by cognitive behavioral approach (finding)]	0374c775d3a2 Observation procedure (procedure)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[427346002 Risk prone health behavior (finding)]	0374c775d3a2 Observation procedure (procedure)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[427935006 Pain relief by rest (finding)]	0374c775d3a2 Observation procedure (procedure)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[45326000 Shoulder pain (finding)]	0374c775d3a2 Observation procedure (procedure)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))-	0374c775d3a2 Observation procedure (procedure)	1

System	Code	Display Text ^a	References ^b
	>[48429009 Somatic pain (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075f032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[49218002 Hip pain (finding)]	0374c075f032 Somatic Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075f032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[57676002 Joint pain (finding)]	0374c075f032 Somatic Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075f032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[594d0a01-ed45-4021-86dc-4b3c1f826113 Pain aggravated by poor sleep (finding)]	0374c075f032 Somatic Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075f032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[609328004 Allergic disposition (disorder)]	0374c075f032 Somatic Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075f032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[62014003 Adverse reaction caused by drug (disorder)]	0374c075f032 Somatic Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075f032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[6471006 Suicidal thoughts (finding)]	0374c075f032 Somatic Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075f032 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[67062000 Terminal insomnia (disorder)]	0374c075f032 Somatic Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075f032 Observation procedure	0374c075f032 Somatic Expression	1

System	Code	Display Text ^a	References ^b
	(procedure)] - >(363702006 Has focus (attribute))->[6833f7dd- cd16-4987-8320- db07729a89df Pain aggravated by movement (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a- 6b34c7750002 Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[6ae3b455-5b3d-44b4- aa25-b9ed03dea815 Pain aggravated by depression (finding)]	0374c7750002 Pain aggravated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- 6b34c7750002 Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[6be254c4-4309-4d3c-8a79-53d9bd184bcb Pain aggravated by hormone imbalance (finding)]	0374c7750002 Pain aggravated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- 6b34c7750002 Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[6d75b166-20b5-4fe5-98a0- d38ec561d5fa Uses multiple prescribers (finding)]	0374c7750002 Pain aggravated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- 6b34c7750002 Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[6eec41c4-15b3-4d7c- b731-d7b126690f47 Ex- user of medical marijuana (finding)]	0374c7750002 Pain aggravated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a- 6b34c7750002 Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[702975009 Ex-tobacco user (finding)]	0374c7750002 Pain aggravated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a- 6b34c7750002 Observation procedure (procedure)] ->(363702006 Has focus (attribute))-	0374c7750002 Pain aggravated Expression	1

System	Code	Display Text ^a	References ^b
	>[73595000 Stress (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[7516f2f5-8171-4d6d-af28-fbb0994b6b4c Ex-user of illicit recreational marijuana (finding)]	0374c075d3a2 Stated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[75478009 Poisoning (disorder)]	0374c075d3a2 Stated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[7804d280-befe-4ba7-9387-86019285144f Ex-user of legal recreational marijuana (finding)]	0374c075d3a2 Stated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[796908f2-6b92-435f-a098-c648fdb36029 Pain relief by integrative health therapy (finding)]	0374c075d3a2 Stated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[79ede33a-45a2-46f9-a3be-94bb384e747a Pain relief by application of heat (finding)]	0374c075d3a2 Stated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[81680005 Neck pain (finding)]	0374c075d3a2 Stated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c075d3a2 Observation procedure	0374c075d3a2 Stated Expression	2

System	Code	Display Text ^a	References ^b
	(procedure)] ->(363702006 Has focus (attribute))- >[82581004 Ex-drinker (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a- Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[88004a00-3b67-408b-8737- fe0cce58ddcf Pain aggravated by diabetes (finding)]	0374-7750-2 Pain aggravated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[972638ea-cc75-48f2- a881-16358a798848 Pain aggravated by infectious disease (finding)]	0374-7750-2 Pain aggravated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[ac23a526-dc71-4264- b359-61f2b5ab7a1b User of medical marijuana (finding)]	0374-7750-2 Pain aggravated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a- Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[ad5e2961-02f1-40dd- aafb-82821f6ac985 Pain relief by movement (finding)]	0374-7750-2 Pain aggravated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[b1c03656-6306-47d6-8ee6- a80227b99e4a Ex-user of illicit drugs (finding)]	0374-7750-2 Pain aggravated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a- Observation procedure (procedure)] ->(363702006 Has focus (attribute))- >[b71c0528-33ce-499b- aef8-b095f8c2900e Uses	0374-7750-2 Pain aggravated Expression	1

System	Code	Display Text ^a	References ^b
	opioids to support sleep (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[bf8ceb54-0a74-46f1-a43e-646b3587d564 Pain aggravated by sexual trauma during military service (finding)]	0374c775d3a2 Pain aggravated by sexual trauma during military service (finding)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[d1bdabcd-d0e8-45da-b4ad-d9159049d824 Pain aggravated by prolonged standing (finding)]	0374c775d3a2 Pain aggravated by prolonged standing (finding)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[d415a2fc-d8ff-47a2-949b-37193db38df4 Pain aggravated by mental health problems (finding)]	0374c775d3a2 Pain aggravated by mental health problems (finding)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[d57ab696-0ec2-479a-be85-9fb7ee17655f Pain aggravated by inflammatory process (finding)]	0374c775d3a2 Pain aggravated by inflammatory process (finding)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[e49cc42c-afa0-4f52-9b1b-6509d31b68bc Pain relief by elevation of limb (finding)]	0374c775d3a2 Pain relief by elevation of limb (finding)	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c775d3a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[e5530930-acc3-4778-943d-	0374c775d3a2 Pain relief by elevation of limb (finding)	1

System	Code	Display Text ^a	References ^b
	a7def9476607 Uses opioids for stress relief (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c07503a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[e583ef45-eddb-4028-bb7b-73171c6734b9 Pain aggravated by change in climate (finding)]	0374c07503a2 Pain aggravated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c07503a2 Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[ec406ab7-1200-4ef4-b31e-062896495a4a Pain aggravated by prolonged sitting (finding)]	0374c07503a2 Pain aggravated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c07503a2 Observation procedure (procedure)]- ->(363702006 Has focus (attribute))->[185265000 Seen in emergency clinic (finding)]- ->(42752001 Due to (attribute))->[5602001 Opioid abuse (disorder)]	0374c07503a2 Pain aggravated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c07503a2 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)]	0374c07503a2 Pain aggravated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-0374c07503a2 Observation procedure (procedure)]- ->(363702006 Has focus (attribute))->[301325005 Finding of general energy	0374c07503a2 Pain aggravated Expression	1

System	Code	Display Text ^a	References ^b
	(finding)]- -(363714003 Interprets (attribute))- >[359755007 Energy / stamina (observable entity)]- (363713009 Has interpretation (attribute))->[62482003 Low (qualifier value)]		
SNOMED CT	[a997cc03-3e99-40eb-833a- 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)]	0374-7750-2 Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- Observation procedure (procedure)]- - >(363702006 Has focus (attribute))->[67062000 Terminal insomnia (disorder)]- -(42752001 Due to (attribute))- >[22253000 Pain (finding)];	0374-7750-2 Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- Observation procedure (procedure)]- - >(363702006 Has focus (attribute))->[67062000 Terminal insomnia (disorder)]- -(42752001 Due to (attribute))- >[32914008 Restless legs (disorder)];	0374-7750-2 Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- Observation procedure (procedure)]- - >(363702006 Has focus (attribute))->[67062000 Terminal insomnia (disorder)]- -(42752001 Due to (attribute))-	0374-7750-2 Coordinated Expression	1

Tabular List

System	Code	Display Text ^a	References ^b
	>[419145002 Nightmares (finding)];		
SNOMED CT	aada5366-f841-4015-9c6a-5dd1a22a8ee3 Acceptance and commitment therapy (regime/therapy)	Precoordinated Expression	1

^aIf a code is used multiple times in the KNART, only the display text of the first instance is shown.

^bCount of the number of times the given code system and code pair is used in the KNART.

^cTSR-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.
◇	Could	An action with this behavior may be included in the set of actions processed by the end user.

Symbol	Name	Definition
➤	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-idscreenshot.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-eda4-4390-a2fb-eab2fd495f7d>. Revised April 2015. (link [<https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=7c31736c-eda4-4390-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>])
- [NLM 2015b] U.S. National Library of Medicine. *LIDODERM-lidocaine patch* [Endo Pharmaceuticals, Inc.]. *DailyMed website*. <https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=f1c40164-4626-4290-9012-c00e33420a33>. Revised January 2015. (link [<https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=f1c40164-4626-4290-9012-c00e33420a33>])
- [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>])