Primary Care: General Clinical Note - History and Physical Exam Documentation Template

Documentation Template: Conceptual Structure

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Department of Veterans Affairs (VA)

Primary Care: General Clinical Note - History and Physical Exam Documentation Template: Documentation Template: Conceptual Structure

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 1, 2018	Published
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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	5e1276d7-e331-5dd6-a774-4404ab0b36d0	O33

Artifact Applicability

Table 4. Applicability Foci, Description and Codes

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

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[105726004 |Age AND/OR growth finding (finding)]- ->(363714003 |Interprets (attribute))->[184099003 |Date of birth (observable entity)]]

Table 1.2. TreatmentForAStressRelatedConcern

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic

Annotation:

Codes: elm:element[elm:Code]: [[277132007 |Therapeutic procedure (procedure)] ->(363702006 |Has focus (attribute))->[47505003 |Posttraumatic stress disorder (disorder)]]

Table 1.3. TreamentForAMentalHealthConcern

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic

Annotation:

Codes: elm:element[elm:Code]: [[277132007 |Therapeutic procedure (procedure)] ->(363702006 |Has focus (attribute))->[74732009 |Mental disorder (disorder)]]

Table 1.4. HistoryOfHospitalizationForAStressRelatedConcern

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic

Annotation:

Codes: elm:element[elm:Code]: [[32485007 |Hospital admission (procedure)] ->(363702006 |Has focus (attribute))->[47505003 |Posttraumatic stress disorder (disorder)]]

Table 1.5. HistoryOfHospitalizationForAMentalHealthConcern

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic

Annotation:

Codes: elm:element[elm:Code]: [[32485007 |Hospital admission (procedure)] ->(363702006 |Has focus (attribute))->[74732009 |Mental disorder (disorder)]]

Table 1.6. HistoryOfEmergencyRoomForAStressRelatedConcern

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic

Annotation:

Codes: elm:element[elm:Code]: [[50849002 |Emergency room admission (procedure)] ->(363702006 | Has focus (attribute))->[47505003 |Posttraumatic stress disorder (disorder)]]

Table 1.7. HistoryOfEmergencyRoomForAMentalHealthConcern

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic

Annotation:

Codes: elm:element[elm:Code]: [[50849002 |Emergency room admission (procedure)] ->(363702006 | Has focus (attribute))->[74732009 |Mental disorder (disorder)]]

Table 1.8. YearsOfService

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[365549006 |Finding of history relating to military service (finding)]]

Table 1.9. SeparationFromServiceDate

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[266964007 |Left military service (finding)]]

Table 1.10. HasOverseasTravel

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic

Annotation:

Codes: elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[276030007 |Travel abroad (finding)]]

Table 1.11. PhysicalAbuseHistory

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic

Annotation:

Codes: elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[225824003 |Victim of physical abuse (finding)]]

Table 1.12. AssaultAbuseHistory

Expression: type=elm:Retrieve , dataType=anf:ClinicalStatement, codeProperty=topic

Annotation:

Codes: elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[56890008 |Victim of sexual aggression (finding)]]elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[95923004 |Victim of psychological trauma (finding)]]

Table 1.13. SystolicBloodPressure

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[163030003 |On examination - Systolic blood pressure reading (finding)]]elm:value[elm:Code]: [259018001 |Millimeter of mercury (qualifier value)|]

Table 1.14. DiastolicBloodPressure

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[163031004 |On examination - Diastolic blood pressure reading (finding)]]elm:value[elm:Code]: [259018001 |Millimeter of mercury (qualifier value)|]

Table 1.15. Temperature

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[105723007 |Body temperature finding (finding)]]elm:value[elm:Code]: [258712004 |Degrees Fahrenheit (qualifier value)|]

Table 1.16. HeartRateBeatsPerMinute

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301113001 |Finding of heart rate (finding)]]elm:value[elm:Code]: [258984001 | Breaths/minute (qualifier value)|]

Table 1.17. RespiratoryRateBreathsPerMinute

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[301283003 |Finding of rate of respiration (finding)]]elm:value[elm:Code]: [258984001 |Breaths/minute (qualifier value)|]

Table 1.18. OxygenSaturation

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[447755005 |Finding of oxygen saturation (finding)]]elm:value[elm:Code]: [118582008 |Percent (property) (qualifier value)|]

Table 1.19. Height

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[248327008 |General finding of height (finding)]]elm:value[elm:Code]: [258677007 |Inch (qualifier value)|]

Table 1.20. Weight

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[107647005 |Weight finding (finding)]]elm:value[elm:Code]: [258693003 |pounds (qualifier value)|]

Table 1.21. BMI

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[301331008 |Finding of body mass index (finding)]]elm:value[elm:Code]: [258896009 |Kilogram/square meter (qualifier value)|]

Table 1.22. WaistCircumference

Expression: type=elm:Query

Annotation:

Codes: elm:value[elm:Code]: [398166005 |Performed (qualifier value)|]elm:value[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[[d91d51c7-556d-4016-b0a0-3ffdf8dbd9f6 |Finding of waist circumference (finding)]]elm:value[elm:Code]: [258672001 |Centimeter (qualifier value)|]

Triggers

No trigger definitions are present.

Chapter 2. Expression Definitions

No expression definitions are present.

Chapter 3. Demographics

☐ Patient Name

prompt:

re-
sponse: String (Single)

☐ Medical Record Number

prompt:

re-
sponse: Integer (Single)

☐ Attending Physician

prompt:

re-
sponse: String (Single)

☐ Other Current Clinical Providers?

> ☐ prompt: Mental Health Providers
>
> response: String (Single)
>
> ☐ prompt: Social Workers
>
> response: String (Single)
>
> ☐ prompt: Residents (Include If Current)
>
> response: String (Single)
>
> ☐ prompt: Other Providers
>
> response: String (Single)

☐ Date of Birth

prompt:

re-
sponse: Timestamp (Single)

initalValue: DateOfBirth

☐ Sex

prompt:

re-
sponse: Code (Single)

☐ Self-Reported Gender Identity

prompt:

re-
sponse: Code (Single)

☐ Race

prompt:

re-
sponse: Code (Single)

☐ Ethnicity

prompt:

re-
sponse: Code (Single)

☐ Preferred Language

    ☐ prompt: Preferred Language

     response: Code (Single)

    ☐ prompt: Translator Needed?

     response: Boolean (Single)

Chapter 4. History

Visit Reason/Chief Complaint

☐ prompt: Description

  response: String (Single)

History of Present Illness

☐ prompt: Details of history of present illness

  response: String (Single)

Past Medical History

☐ prompt: Past Medical History

  response: Tuple (Multiple)

    ☐ | Mental Health History

      ☐ Are you currently seeing someone or taking medication for stress-related concerns, or for a mental health concern such as Post Traumatic Stress Disorder (PTSD)?

        ☐ prompt: Behavioral Health Condition and Treatment History

          response: Boolean (Single)

      ☐ Have you ever received treatment (such a as medication or counseling) for a stress-related concern, or for a mental health concern such as PTSD?

        ☐ prompt: Behavioral Health Condition and Treatment History

          response: Boolean (Single)

      initalValue: elm:Or TreatmentForAStressRelatedConcern TreamentForAMentalHealthConcern

      ☐ Have you ever been to the Emergency Room or have you ever been hospitalized for a stress-related concern, or mental health concern such as PTSD?

        ☐ prompt: Behavioral Health Condition and Treatment History

          response: Boolean (Single)

      initalValue: elm:AnyTrue

Military History

    ☐ | Military History

      ☐ prompt: Primary military occupation

        response: String (Single)

      ☐ prompt: Secondary military occupation(s)

        response: String (Single)

      ☐ prompt: Military exposure (Agent Orange, etc.)

        response: Code (Single)

      ☐ prompt: Years of service

response: Real (Single)

initalValue: YearsOfService

　□ prompt: Separation from service date

　response: Timestamp (Single)

initalValue: SeparationFromServiceDate

　□ prompt: Branch of service

　response: Code (Single)

　□ prompt: Overseas travel

　response: Boolean (Single)

initalValue: HasOverseasTravel

　□ prompt: Conflict history

　response: String (Single)

　□ prompt: Additional details

　response: String (Single)

Medication History

□ Medication History

　□ prompt: Current Prescribed Medications

　response: Tuple (Multiple)

　□ prompt: Current Over the Counter (OTC) Medications

　response: Tuple (Multiple)

　□ prompt: Recently Expired Medications

　response: Tuple (Multiple)

□ Allergies and Adverse Reactions

　□ prompt: Allergies and Adverse Reactions

　response: Tuple (Multiple)

Surgical History

□ prompt: Surgical Procedure

response: Tuple (Multiple)

□ prompt: Surgical Date

response: Timestamp (Multiple)

Family Medical History

□ prompt: Family Medical History

response: Tuple (Single)

Preventive Services History

□ prompt: Preventative Services History

response: String (Single)

Personal and Social History

□ Living Situation/Social Support/Financial Support

　□ prompt: Living Situation

　response: String (Single)

□ prompt: Marital Status/Domestic Status

response: Code (Single)

□ prompt: Current Occupation

response: String (Single)

□ prompt: Level of Education

response: Code (Single)

□ prompt: Additional Personal, Social, and Employment History

response: String (Single)

□ Substance Use

□ prompt: Substance Use

response: Code (Multiple)

response range: EnumerationConstraint (List)

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

item: Tobacco([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[110483000 |Tobacco user (finding)])

☞ item: Illicit drug(s)

□ Sexual and Abuse History

□ prompt: Sexual Activity

response: String (Single)

□ prompt: Sexual Assault/Abuse History

response: String (Single)

□ prompt: Military Sexual Trauma History

response: String (Single)

□ prompt: Physical or Other Assault/Abuse History

response: String (Single)

initalValue: elm:Or PhysicalAbuseHistory AssaultAbuseHistory

□ Disability Rating

□ prompt: Military Disability Rating

response: Code (Single)

Review of Systems

□ prompt: Complete only relevant sections if complete H &P not intended

response: Code (Multiple)

response range: EnumerationConstraint (List)

☞ item: Constitutional Symptoms (for example, fever, weight loss)

☞ item: Eyes

☞ item: Ears, nose, mouth, throat

☞ item: Cardiovascular

☞ item: Respiratory

☞ item: Gastrointestinal

☞ item: Genitourinary

☞ item: Musculoskeletal

☞ item: Integumentary (skin and/or breast)

☞ item: Neurological

☞ item: Psychiatric

☞ item: Endocrine

☞ item: Hematologic/Lymphatic

☞ item: Allergic/Immunologic

Chapter 5. Screening

Screening

☐ prompt:	Screening
response:	Code (Multiple)
response range:	EnumerationConstraint (List)
item:	Health Literacy
item:	Cognition
item:	Self-Reported Health Rating
item:	Nutrition/Diet
item:	Exercise/Physical Activity
item:	Alcohol Use([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[219006 |Current drinker of alcohol (finding)])
item:	Substance Use
item:	Tobacco Use([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[110483000 |Tobacco user (finding)])
item:	Consult for Depression
item:	Suicide Risk Assessment
item:	PTSD History
☐ prompt:	Pain Level (0-10)
response:	Integer (Single)

Functional Assessment

☐ prompt:	Safety (Including Fall Risk, If Appropriate)
response:	Boolean (Single)
☐ prompt:	Additional Risk Factors
response:	String (Single)

Advance Directive Confirmed Accessible to Providers

☐ prompt:	Yes Advance Directive Confirmed Accessible to Providers
response:	Boolean (Single)
☐ prompt:	Additional Details
response:	String (Single)

Chapter 6. Physical Examination

Vital Signs	
☐ prompt:	Systolic Blood Pressure (BP) (mm Hg)
response:	Integer (Single)
initalValue: SystolicBloodPressure	
☐ prompt:	Diastolic BP (mm Hg)
response:	Integer (Single)
initalValue: DiastolicBloodPressure	
☐ prompt:	Temperature (°F)
response:	Real (Single)
initalValue: Temperature	
☐ prompt:	Heart rate beats per minutes (bpm)
response:	Integer (Single)
initalValue: HeartRateBeatsPerMinute	
☐ prompt:	Respiratory rate breaths per minute
response:	Integer (Single)
initalValue: RespiratoryRateBreathsPerMinute	
☐ prompt:	Oxygen saturation (%)
response:	Integer (Single)
initalValue: OxygenSaturation	
☐ prompt:	Height (inches)
response:	Real (Single)
initalValue: Height	
☐ prompt:	Weight (pounds)
response:	Real (Single)
initalValue: Weight	
☐ prompt:	BMI (kg/m^2)
response:	Real (Single)
initalValue: BMI	
☐ prompt:	Waist Circumference (Centimeters)
response:	Real (Single)
initalValue: WaistCircumference	
Physical Exam	
☐ prompt:	Physical Exam
response:	Code (Multiple)
response range:	EnumerationConstraint (List)
item:	Head, Eyes, Ears, Nose and Throat (HEENT) Exam
item:	Neck Exam
item:	Cardiovascular Exam

item: Pulmonary Exam

item: Abdominal Exam

item: Genitourinary Exam

item: Extremities Exam

item: Musculoskeletal Exam

item: Skin Exam

item: Neurological Exam

Laboratory Results

☐ prompt: Laboratory Test Results

response: Tuple (Single)

Imaging Results

☐ prompt: Imaging Study Reports

response: Tuple (Single)

☐ prompt: Image

response: URL (Single)

Chapter 7. Assessment and Plan

Assessment	
☐ prompt:	Details
response:	String (Single)
☐ prompt:	Assessments and Plan, Including Risks and Benefits of Recommended Treatment, Discussed with Patient
response:	Boolean (Single)

Plan of Treatment	
☐ prompt:	Plan of Treatment
response:	Code (Multiple)
response range:	EnumerationConstraint (List)
☞ item:	Preventive Services
item:	Preventive Counseling
item:	Patient Education
item:	Self-Management Education

	Medications Plan	
	☐ prompt:	Current Medications
	response:	Code (Multiple)
	response range:	EnumerationConstraint (List)
	☞ item:	Continue Medications
	☞ item:	Discontinue Medications
	☞ item:	Modified Medications
	☞ item:	New Medications

☐ prompt: Other Plans

response: String (Single)

	Consultations?	
	☐ prompt:	Consultations?
	response:	Boolean (Single)
	☐ prompt:	Consult specifics
	response:	String (Single)

	Next Visit?	
	☐ prompt:	Next Visit Date
	response:	Timestamp (Single)

◇ Patient Expresses Understanding and Agrees with Plan

prompt:

re-sponse: Boolean (Single)

Chapter 8. Tabular List

Terminology Service Request (TSR) Mappings

Table 8.1. Terminology Versions

Name	Identifer	Version
SNOMED CT	2.16.840.1.113883.6.96	United States Edition 20180301

Table 8.2. Terminology References

System	Code	Display Text[a]	References[b]
SNOMED CT	118582008 |Percent (property) (qualifier value)|	Precoordinated Expression	1
SNOMED CT	133936004 |Adult (person)|	Adult outpatients	1
SNOMED CT	258672001 |Centimeter (qualifier value)|	Precoordinated Expression	1
SNOMED CT	258677007 |Inch (qualifier value)|	Precoordinated Expression	1
SNOMED CT	258693003 |pounds (qualifier value)|	Precoordinated Expression	1
SNOMED CT	258712004 |Degrees Fahrenheit (qualifier value)|	Precoordinated Expression	1
SNOMED CT	258896009 |Kilogram/square meter (qualifier value)|	Precoordinated Expression	1
SNOMED CT	258984001 |Breaths/minute (qualifier value)|	Precoordinated Expression	2
SNOMED CT	259018001 |Millimeter of mercury (qualifier value)|	Precoordinated Expression	2
SNOMED CT	33022008 |Hospital-based outpatient department (environment)|	Outpatient	1
SNOMED CT	398166005 |Performed (qualifier value)|	Precoordinated Expression	13
SNOMED CT	453231000124104 |Primary care provider (occupation)|	Primary Care Clinical Providers	1
SNOMED CT	5351000124100 |Primary care clinic (environment)|	Primary Care Clinic	1
SNOMED CT	[277132007 |Therapeutic procedure (procedure)] ->(363702006 |Has focus (attribute))->[47505003 |	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	Posttraumatic stress disorder (disorder)]		
SNOMED CT	[277132007 |Therapeutic procedure (procedure)] ->(363702006 |Has focus (attribute))->[74732009 | Mental disorder (disorder)]	Postcoordinated Expression	1
SNOMED CT	[32485007 |Hospital admission (procedure)] ->(363702006 |Has focus (attribute))->[47505003 | Posttraumatic stress disorder (disorder)]	Postcoordinated Expression	1
SNOMED CT	[32485007 |Hospital admission (procedure)] ->(363702006 |Has focus (attribute))->[74732009 | Mental disorder (disorder)]	Postcoordinated Expression	1
SNOMED CT	[50849002 |Emergency room admission (procedure)] ->(363702006 |Has focus (attribute))->[47505003 | Posttraumatic stress disorder (disorder)]	Postcoordinated Expression	1
SNOMED CT	[50849002 |Emergency room admission (procedure)] ->(363702006 |Has focus (attribute))->[74732009 | Mental disorder (disorder)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[105723007 | Body temperature finding (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[107647005 | Weight finding (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation proce-	Tobacco	2

System	Code	Display Text[a]	References[b]
	dure (procedure)] ->(363702006 |Has focus (attribute))->[110483000 | Tobacco user (finding)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation proce-dure (procedure)] ->(363702006 |Has focus (attribute))->[163030003 |On examination - Sys-tolic blood pressure read-ing (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation proce-dure (procedure)] ->(363702006 |Has focus (attribute))->[163031004 |On examination - Dias-tolic blood pressure read-ing (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation proce-dure (procedure)] ->(363702006 |Has focus (attribute))->[219006 | Current drinker of alcohol (finding)]	Alcohol	2
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation proce-dure (procedure)] ->(363702006 |Has focus (attribute))->[225824003 |Victim of physical abuse (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation proce-dure (procedure)] ->(363702006 |Has focus (attribute))->[248327008 | General finding of height (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation proce-dure (procedure)] -	Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	>(363702006 |Has focus (attribute))->[266964007	Left military service (finding)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[276030007	Travel abroad (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301113001	Finding of heart rate (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301283003	Finding of rate of respiration (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[301331008 |Finding of body mass index (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[365549006	Finding of history relating to military service (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[447755005		Postcoordinated Expression	1

System	Code	Display Text[a]	References[b]
	Finding of oxygen saturation (finding)]		
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[56890008 | Victim of sexual aggression (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[95923004 | Victim of psychological trauma (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[[d91d51c7-556d-4016-b0a0-3ffdf8dbd9f6 |Finding of waist circumference (finding)]	Postcoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[105726004 |Age AND/OR growth finding (finding)]- ->(363714003 |Interprets (attribute))->[184099003 |Date of birth (observable entity)]	Postcoordinated 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.

Chapter 9. Behavior Symbols

Table 9.1. Group Organizational Behavior

Sym-bol	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 9.2. Group Selection Behavior

Sym-bol	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 9.3. Required Behavior

Sym-bol	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 9.4. 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 9.5. 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 9.6. 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 9.7. 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] *Primary Care: General Clinical Note - History and Physical Exam Clinical Content White Paper*

[CSD] *Primary Care: General Clinical Note - History and Physical Exam Documentation Template Conceptual Structure Document*

[KVRpt] *Primary Care: General Clinical Note - History and Physical Exam Documentation Template KNART Validation Report*

[URL] *The Hartford Institute for Geriatric Nursing, New York University, College of Nursing. Katz Index of ADLs and Lawton-Brody Instrumental Activities of Daily Living Scale. Try This: Best Practices in Nursing Care to Older Adults. 2007(23).* (link [https://clas.uiowa.edu/socialwork/sites/clas.uiowa.edu.socialwork/files/NursingHomeResource/documents/Katz%20ADL_LawtonIADL.pdf])

Supporting Evidence

[Denny 2008] *Denny JC, Miller RA, Johnson KB, Spickard A. Development and evaluation of a clinical note section header terminology. AMIA Annu Symp Proc 2008. 2008;:156-160* (link [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2656032/#])

[Goetzel 2011] *Goetzel RZ, Staley P, Ogden L, et al. U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. A framework for patient-centered health risk assessments – providing health promotion and disease prevention services to Medicare beneficiaries. Centers for Disease Control and Prevention Website. Published 2011 Accessed August 29, 2017* (link [https://www.cdc.gov/policy/hst/hra/frameworkforhra.pdf])

[VA 2017a] *National Center for Health Promotion and Disease Prevention. Get Recommended Screening Tests and Immunizations for Men. Accessed August 29, 2017* (link [https://www.prevention.va.gov/Healthy_Living/Get_Recommended_Screening_Tests_and_Immunizations_for_Men.asp])

[VA 2017b] *Get Recommended Screening Tests and Immunizations for Women. National Center for Health Promotion and Disease Prevention. Accessed August 29, 2017* (link [https://www.prevention.va.gov/Healthy_Living/Get_Recommended_Screening_Tests_and_Immunizations_for_Women.asp])

[Section4103ofACA] *Medicare coverage and payment of the annual wellness visit providing a personalized prevention plan under Medicare Part B. FedRegist. 2011;76(228):42 CFR §410, §414, §415, and §495.* (link [https://www.ecfr.gov/cgi-bin/text-idx?SID=fba3a01d98c4f85620f655426db549f5&mc=true&tpl=/ecfrbrowse/Title42/42chapterIV.tpl])

[VA 2017c] *VA/DoD Clinical Practice Guideline for Opioid Therapy for Chronic Pain. The Opioid Therapy for Chronic Pain Work Group. Published February 2017* (link [https://www.healthquality.va.gov/guidelines/Pain/cot/VADoDOTCPG022717.pdf])

[USPSTF 2017] *USPSTF A and B Recommendations. U.S. Preventive Services Task Force. Updated April 2017* (link [https://www.uspreventiveservicestaskforce.org/Page/Name/uspstf-a-and-b-recommendations/])