

Mental Health: Homelessness Documentation Template

Documentation Tem- plate: Conceptual Structure

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Department of Veterans Affairs (VA)



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

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Mental Health: Homelessness 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 12, 2018	Published
April 24, 2018	Published
April 24, 2018	Reviewed
March 27, 2018	Pre-published
March 27, 2018	Created

Table 2. Clinical White Paper Contributors

Name	Role	Affiliation
Mike Wilson, MD	Author	Medical Director, Homeless Programs Company VA Central Office (VACO) 1601 E. Fourth Plain Blvd. Vancouver, WA 98661
Roger Casey	Author	Director, Education-Dissemination, National Center on Homelessness, Veteran Health Administration (VHA)

Table 3. Artifact Identifier

Domain	Artifact ID	Name
urn:va.gov:kbs:knart:artifact:r1	e9531500-5e74-5d9a-9360-c417a36a5197	B48

Artifact Applicability

Table 4. Applicability Foci, Description and Codes

Focus	Description	Code System	Code	Value Set	Value Set Version
TargetUser	Mental Health Providers; Primary Care Providers (PCPs)			N/A	N/A
PatientAgeGroup	All patients			N/A	N/A
ClinicalFocus	Routine			N/A	N/A
WorkflowSetting	Mental Health; Primary Care			N/A	N/A
ClinicalVenue	All locations			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

No externalData expression definitions and no trigger definitions are present.

Chapter 2. Expression Definitions

No expression definitions are present.

Chapter 3. Screening

All Veterans should be screened for homelessness (and near-future risk) annually, unless the Veteran is a long-term resident of a nursing home/long-term care facility

Homelessness Screening:

◆ prompt: Homeless screening performed?

response: String (Single)

response EnumerationConstraint (List)

range:

item: Homeless screen performed

item: Homeless screen not performed

responseBinding: Property ("Homeless screen performed")

Condition:elm:Contains (elm:Property("Homeless screen performed" from: elm:ParameterRef(Responses)) elm:Literal())

Homeless screen

Ask Patient: In the past 2 months, have you been living in stable housing? By that, we mean housing that is affordable, permanent, safe, decent, and livable.

prompt: Current housing stability

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[161036002 |Housing adequate (finding)]

response: String (Single)

response EnumerationConstraint (List)

range:

item: Yes, living in stable housing

item: No, not living in stable housing

responseBinding: Property ("stableHousing")

prompt: Other Details

response: String (Single)

Condition:elm:Contains (elm:Property("stableHousing" from: elm:ParameterRef(Responses)) elm:Literal())

prompt: Housing confidence

response: String (Single)

response EnumerationConstraint (List)

range:

item: Yes, confident in continuing to live in stable housing

item: No, not confident in continuing to live in stable housing

responseBinding: Property ("confidentLivingInStableHousing")

Where have you lived for MOST of the past 2 months?

Condition:elm:Contains (elm:Property("confidentLivingInStableHousing" from: elm:ParameterRef(Responses)) elm:Literal())

prompt: Housing situation

		<p>response: Code (Single)</p> <p>response EnumerationConstraint (List)</p> <p>range:</p> <p>item: Apartment/house/room, no government subsidy</p> <p>item: Apartment/house/room, with government subsidy</p> <p>item: With friend/family</p> <p>item: Motel/hotel</p> <p>item: Short-term institution, such as hospital, rehab center, drug treatment center</p> <p>item: Homeless shelter</p> <p>item: Anywhere outside, such as street, vehicle, abandoned building</p> <p>item: Other</p> <p># prompt: Detail</p> <p>response: String (Single)</p>
	# Ask Patient: Would you like to be referred to talk more about your housing situation?	<p>Condition:elm:Or (elm:Contains(elm:Property("stableHousing" from: elm:ParameterRef(Responses)) elm:Literal()) elm:Contains(elm:Property("confidentLivingInStableHousing" from: elm:ParameterRef(Responses)) elm:Literal()))</p> <p># prompt: Homelessness services referral preference</p> <p>response: String (Single)</p> <p>response EnumerationConstraint (List)</p> <p>range:</p> <p>item: Patient agrees to referral for homelessness services or assistance</p> <p>item: Patient declines referral at this time; given information for future reference</p>
	Ask Patient: What is the best way to reach you?	
	# prompt: Contact information from patient	
	response: String (Single)	
	Homeless screen not performed	
	* prompt: Reason homeless screen not performed	
	response: String (Multiple)	
	response EnumerationConstraint (List)	
	range:	
	item: Already receiving homelessness services or assistance	
	item: Long-term resident of nursing home/long-term care facility	
	item: Declines screening at this time	
	item: Veteran/caregiver unable to answer	
	item: Other	
	* prompt: Detail	

	<p>response: String (Single)</p> <p>All Veterans should be screened for food insecurity unless the Veteran is a resident of a nursing home/long-term care facility</p>
◆	<p>prompt: Food insecurity screen performed?</p> <p>response: String (Single)</p> <p>response EnumerationConstraint (List)</p> <p>range:</p> <p>item: Food insecurity screen performed</p> <p>item: Food insecurity screen not performed</p> <p>Food insecurity screen</p> <p>Ask Patient “In the past 3 months, did you ever run out of food and you were not able to access more food or have the money to buy more food?”</p>
✱	<p>prompt: Food availability</p> <p>response: String (Single)</p> <p>response EnumerationConstraint (List)</p> <p>range:</p> <p>item: Yes, food shortage and no money to buy food or access to food</p> <p>item: No food shortage</p> <p>responseBinding: Property ("foodShortage")</p>
✱	<p>Ask patient “Are you confident that you will continue to have enough food or money to buy food for at least the next 3 months?”</p> <p>Condition:elm:Contains (elm:Property("foodShortage" from: elm:ParameterRef(Responses)) elm:Literal())</p> <p>prompt: Food access confidence?</p> <p>response: Boolean (Single)</p> <p>response EnumerationConstraint (List)</p> <p>range:</p> <p>item: Yes, confident in continued access to food</p> <p>item: No, not confident in continued access to food</p>
✱	<p>Ask Patient: Would you like to be referred to talk more about your food shortage situation?</p> <p>Condition:elm:Contains (elm:Property("foodShortage" from: elm:ParameterRef(Responses)) elm:Literal())</p> <p>prompt: Food shortage referral preference</p> <p>response: String (Multiple)</p> <p>response EnumerationConstraint (List)</p> <p>range:</p> <p>item: Patient agrees to referral to social services</p> <p>item: Patient agrees to referral to nutrition and food services</p> <p>item: Patient declines referral at this time; given information for future reference</p> <p>prompt: Food Insecurity Screen not performed</p> <p>response: Boolean (Single)</p>

	Food insecurity screen not performed
	<ul style="list-style-type: none">* prompt: Reasons for not performing Food Insecurity Screenresponse: String (Multiple)response EnumerationConstraint (List)range:<ul style="list-style-type: none">item: Already receiving services or assistance to address known food insecurity issueitem: Resident of nursing home/long-term care facilityitem: Declines screening at this timeitem: Veteran/caregiver unable to answeritem: Other* prompt: Detailresponse: String (Single)

Chapter 4. Plan

Provide homelessness educational materials	
# Provide link	
([VA.gov])	Homeless Veterans Website link [https://www.va.gov/homeless/index.asp]
Order consult for homeless program	
# prompt: Reason for request	
itemCode: 22c9bf08-1d5c-4da9-a0af-0ae4940d240f	Veterans Affairs Homeless Veterans Assistance Center consultation and report (procedure)
response: Code (Single)	
response range: EnumerationConstraint (List)	
item: Veteran has been identified as being currently homeless or homeless within the past 2 months	
item: Veteran has been identified as being at risk of homelessness within the next 60 days	
# prompt: Describe in detail the Veteran's current living situation	
response: String (Single)	
Order consult for social work or for nutrition and food services	
# prompt: Reason for request	
itemCode: 1061000205108	Social services consultation and report (procedure)
itemCode: c86bf351-ec7e-4310-ae35-5cfc41d3f9fe	Nutrition and food services consultation and report (procedure)
response: Code (Single)	
response range: EnumerationConstraint (List)	
item: Veteran has been identified as having a current food shortage or a food shortage within the past 3 months	
item: Veteran has been identified as being at risk of a food shortage within the next 90 days	
# prompt: Describe in detail the Veteran's current food situation	
response: String (Single)	
# prompt: Other details	
response: String (Single)	

Chapter 5. Tabular List

Terminology Service Request (TSR) Mappings

Table 5.1. Terminology Versions

Name	Identifier	Version
SNOMED CT	2.16.840.1.113883.6.96	United States Edition 20180301

Table 5.2. Terminology References

System	Code	Display Text ^a	References ^b
SNOMED CT	1061000205108 Social services consultation and report (procedure)	Precoordinated Expression	1
SNOMED CT	22c9bf08-1d5c-4da9-a0af-0ae4940d240f Veterans Affairs Homeless Veterans Assistance Center consultation and report (procedure)	Precoordinated Expression	1
SNOMED CT	[a997cc03-3e99-40e-b-833a-6374c7750a3a Observation procedure (procedure)] ->(363702006 Has focus (attribute))->[161036002 Housing adequate (finding)]	Postcoordinated Expression	1
SNOMED CT	c86bf351-ec7e-4310-ae35-5cfc41d3f9fe Nutrition and food services consultation and report (procedure)	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.

Chapter 6. Behavior Symbols

Table 6.1. 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 6.2. 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 6.3. 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.

Sym- bol	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 6.4. Precheck Behavior

Sym- bol	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 6.5. Cardinality Behavior

Sym- bol	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 6.6. Item Flags

Sym- bol	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 6.7. Read Only Behavior

Sym- bol	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: Homelessness Clinical Content White Paper*

[CSD] *Mental Health: Homelessness Documentation Template Conceptual Structure Document*

[KVRpt] *Mental Health: Homelessness Documentation Template KNART Validation Report*

Supporting Evidence

[Byrne 2015] Byrne T, Fargo JD, Montgomery AE, Roberts CB, Culhane DP, Kane V. Screening for homelessness in the Veterans Health Administration (VHA): monitoring housing stability through repeat screening. *Public Health Rep.* 2015;130(6):684-692 (link [<https://doi.org/10.1177/003335491513000618>])

[Chhabra 2018] Chhabra M, Cusack C, Dichter M, Montgomery AE, True G. Screening for homelessness: VA provider reflections on addressing a social determinant of health. Poster presented at: Academy Health Annual Research Meeting 2017 June 25-27, 2017 Accessed January 30, 2018 (link [<https://academyhealth.confex.com/academyhealth/2017arm/meetingapp.cgi/Paper/18938>])

[Fargo 2017] Fargo JD, Montgomery AE, Byrne T, Brignone E, Cusack M, Gundlapalli AV. Needles in a haystack: screening and healthcare system evidence for homelessness. *Stud Health Technol Inform.* 2017;235:574-578 (link [<https://doi.org/10.3233/978-1-61499-753-5-574>])

[Montgomery 2014] Montgomery AE, Fargo JD, Kane V, Culhane DP. Development and validation of an instrument to assess imminent risk of homelessness among veterans. *Public Health Rep.* 2014;129(5):428-436 (link [<https://doi.org/10.1177/003335491412900506>])

[OToole 2017] O'Toole TP, Roberts CB, Johnson EE. Screening for Food Insecurity in Six Veterans Administration Clinics for the Homeless, June-December 2015. *Prev Chronic Dis.* 2017;14:E04 (link [<https://doi.org/10.5888/pcd14.160375>])

[VA Portland] Homeless Screening Clinical Reminder. August 31, 2017, Microsoft Word document (David Douglas, MD, provided documentation from Portland VA) (link [<https://www.va.gov/homeless/nchav/research/assessment-tools/hscr.asp>])

[VA.gov] U.S. Department of Veterans Affairs. Homeless Veterans Website. Accessed October 12, 2017 (link [<https://www.va.gov/homeless/index.asp>])