

Primary Care: Family Health History Documentation Template KNART Validation Report

Documentation Template: Validation Report

**Contract: VA118-16-D-1008, Task Order
(TO): VA-118-16-F-1008-0007, CLIN0009BA**

Department of Veterans Affairs



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

Publication date 06/14/2018

Version: 1.0

Primary Care: Family Health History Documentation Template KNART Validation Report: Documentation Template: Validation Report

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

Publication date 06/14/2018

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

1. Basic File and Well-formedness Tests	1
2. XSD Schema Checks	2
3. Schematron Checks	3
4. Terminology Checks via Ontoserver	4

List of Tables

1.1. Summary	1
2.1. KAS Schema Validation Summary	2
3.1. Editorial Convention Check	3
4.1. Ontoserver Information	4
4.2. Terminology and ANF Usage	4
4.3. TSR Requested Codes	5
4.4. SOLOR Placeholders	5
4.5. Other Unresolved	9

Chapter 1. Basic File and Well-formedness Tests

Table 1.1. Summary

Information	Value
File name	CDSK_KRprt_SADT_O31FHHist.xml
File size	94.0 KB
Type	Documentation Template
Publication Date	06/14/2018
File Modification Date	06/14/2018 10:06:06
Well-formed XML	YES
MD5	fe2cf11607cfbe047d0ef71fa185c01e

Chapter 2. XSD Schema Checks

Table 2.1. KAS Schema Validation Summary

Information	Value
KAS Schema Version	urn:hl7-org:knowledgeartifact:r1
Schema File	knowledgedocument.xsd
Validation Errors	0

Chapter 3. Schematron Checks

Table 3.1. Editorial Convention Check

Information	Value
Editorial Schematron Version	ISO Schematron 2016
Schema File	knart-L3-validation.sch, L3Validation.sch, KnartStyle.sch
Validation Errors	0
Validation Warnings	0

Chapter 4. Terminology Checks via Ontoserver

Table 4.1. Ontoserver Information

Information		Value
Ontoserver URL		https://ontoserver.hspconsortium.org/fhir
Ontoserver Version		5.0
Date of Code Checks		06/14/2018 10:06:38
SNOMED	Version	http://snomed.info/sct/731000124108/version/20170901 , http://snomed.info/sct/900000000000207008/version/20170731
	Codes	443237
LOINC	Version	2.61,2.63
	Codes	126207
RXNorm	Version	Does not exist
	Codes	0
v3 Code System EducationLevel	Version	2016-03-23
	Codes	9

Table 4.2. Terminology and ANF Usage

Terminology References			
Total Codes Used ^a		47	
Resolved ^b		38	
Unresolved ^c	9	TSR Requested Codes ^d	1
		SOLOR Placeholder Codes ^e	2
		Other Unresolved ^f	6
ANF Model Reference Information			
anf:ClinicalStatement		0	
anf:TSR-NoModel ^g		0	

^aTotal number of unique codes referenced in the KNART XML.

^bNumber of unique codes used in the KNART XML and present in ontoserver.

^cNumber of unique codes used in the KNART XML and not found in ontoserver.

^dNumber of unique code system and code pairs referenced in the KNART XML with a placeholder ('TSR-NoCode').

^eNumber of unique codes in uuid form referenced in the KNART XML.

^fNumber of other unique codes not found in ontoserver, e.g. RXNorm codes.

^gKAS elements modeled as 'anf:TSR-NoModel' indicates they cannot be modeled in the current version of ANF.

Table 4.3. TSR Requested Codes

	Information	Value
1	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	323
	Column	100
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=323column=100]
2	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	459
	Column	82
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=459column=82]
3	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1405
	Column	82
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: TSR-NoCode
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1405column=82]

Table 4.4. SOLOR Placeholders

	Information	Value
1	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	406
	Column	138
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=406column=138]
2	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	516
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=516column=57]
3	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	571

	Information	Value
	Column	138
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=571column=138]
4	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	627
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=627column=57]
5	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	682
	Column	136
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=682column=136]
6	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	738
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=738column=57]
7	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	793
	Column	137
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=793column=137]
8	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	849
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=849column=57]
9	FileName	CDSK_KRprt_SADT_O31FHHist.xml

	Information	Value
	Line	907
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=907column=57]
10	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	963
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=963column=57]
11	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1019
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1019column=57]
12	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1074
	Column	138
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1074column=138]
13	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1128
	Column	138
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1128column=138]
14	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1184
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1184column=57]

	Information	Value
15	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1240
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1240column=57]
16	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1296
	Column	57
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1296column=57]
17	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1351
	Column	135
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1351column=135]
18	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1460
	Column	136
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1460column=136]
19	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1589
	Column	58
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1589column=58]
20	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1599
	Column	58
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: a997cc03-3e99-40eb-833a-6374c7750a3a

	Information	Value
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1599column=58]
21	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	1599
	Column	58
	Message	TSR requested for codeSystem: http://snomed.info/sct and code: fd38bb5d-4f5d-43b5-9b22-b648079ccf4c
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=1599column=58]

Table 4.5. Other Unresolved

	Information	Value
1	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	99
	Column	104
	Message	Code 453231000124104, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=99column=104]
2	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	296
	Column	124
	Message	Code 736454006, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=296column=124]
3	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	299
	Column	131
	Message	Code 442031000124102, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=299column=131]
4	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	302
	Column	115
	Message	Code 6839005, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=302column=115]
5	FileName	CDSK_KRprt_SADT_O31FHHist.xml

	Information	Value
	Line	317
	Column	124
	Message	Code 736455007, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=317column=124]
6	FileName	CDSK_KRprt_SADT_O31FHHist.xml
	Line	320
	Column	131
	Message	Code 442041000124107, codeSystem http://snomed.info/sct not found in Ontoserver.
	Reference	KNART [file:CDSK_KRprt_SADT_O31FHHist.xml#line=320column=131]