

Mental Health: Consult for Depression Order Set

Order Set: Conceptual Structure

Contract: VA118-16-D-1008, Task Order (TO): VA-118-16-F-1008-0007, CLIN0004AE

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: Consult for Depression Order Set: Order Set: 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
June 1, 2018	Reviewed
April 9, 2018	Created

Table 2. Clinical White Paper Contributors

Name	Role	Affiliation
William Becker, MD	Author	Internist West Haven, CT
Katy Lysell, MD	Author	National Mental Health Director for Informatics Honolulu, HI 96819
Elizabeth Oliva	Author	VA National OEND Coordinator VA Palo Alto Health Care System Menlo Park, VA 04025
Kendall Browne, MD	Author	Post-Doctoral Fellow VAPSHCS – SEATTLE Seattle, WA 98108
Rani Hoff, PhD MPH	Author	Director, Northeast Program Evaluation Center Office of Mental Health and Suicide Prevention (10NC5) VA Central Office Professor of Psychiatry Yale University School of Medicine

Table 3. Artifact Identifier

Domain	Artifact ID	Name
urn:va.gov:kbs:knart:artifact:rl	086f4505-711d-5eaa-8841-5190ecd571ea	B34

Artifact Applicability

Table 4. Applicability Foci, Description and Codes

Focus	Description	Code System	Code	Value Set	Value Set Version
TargetUser	Primary Care Providers and Mental Health Providers embedded in primary care practice settings	SNOMED CT	453231000124104 Primary care provider (occupation)	N/A	N/A
PatientAgeGroup	Adult patients	SNOMED CT	133936004 Adult (person)	N/A	N/A
ClinicalFocus	Evaluation for depression	SNOMED CT	171207006 Depression screening (procedure)	N/A	N/A
ClinicalFocus	Treatment for depression	SNOMED CT	401174001 Depression management program (regime/therapy)	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

No external data expression definitions and no trigger definitions are present.

Chapter 2. Expression Definitions

No expression definitions are present.

Chapter 3. Consults and Referrals

□ Follow VA protocol for emergency situations. Information about the Veterans Crisis Line should be provided to the patient as appropriate, including the telephone number (800.273.8255), text message support (838255), and the website (<https://www.veteranscrisisline.net/>).

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression TSR-NoCode

([VA Veterans Crisis Line link [<https://www.veteranscrisisline.net/>]
2018a])

□ Inform patient that referral order was placed, including location of consult and emergency contact details for informed consent and contingency planning.

□ Referral to mental health to evaluate and treat for depression (routine-within 30 days)

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 390866009 |Referral to mental health team (procedure)|

timing.lowerBound: 1D

timing.upperBound: 30D

timing.includeLowerBound: TRUE

timing.includeUpperBound: TRUE

timing.measureSemantic: ISO 8601 prior to statement time

purpose[0]: Precoordinated Expression 171207006 |Depression screening (procedure)|

purpose[1]: Precoordinated Expression 401174001 |Depression management program (regime/therapy)|

Chapter 4. Patient and Caregiver Education

☐ Depression education now

actionSentence[type=elm:Instance, classType=anf:ClinicalStatement]

statementType: Precoordinated Expression 385644000 |Requested (qualifier value)|

topic: Precoordinated Expression 401174001 |Depression management program (regime/therapy)|

priority: Precoordinated Expression 50811001 |Routine (qualifier value)|

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	133936004 Adult (person)	Adult patients	1
SNOMED CT	171207006 Depression screening (procedure)	Precoordinated Expression	2
SNOMED CT	33022008 Hospital-based outpatient department (environment)	Outpatient	1
SNOMED CT	385644000 Requested (qualifier value)	Precoordinated Expression	3
SNOMED CT	390866009 Referral to mental health team (procedure)	Precoordinated Expression	1
SNOMED CT	401174001 Depression management program (regime/therapy)	Precoordinated Expression	3
SNOMED CT	453231000124104 Primary care provider (occupation)	Primary Care Providers and Mental Health Providers embedded in primary care practice settings	1
SNOMED CT	50811001 Routine (qualifier value)	Precoordinated Expression	1
SNOMED CT	TSR-NoCode ^c	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 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: Consult for Depression Clinical Content White Paper*

[CSD] *Mental Health: Consult for Depression Order Set Conceptual Structure Document*

[KVRpt] *Mental Health: Consult for Depression Order Set KNART Validation Report*

[VA 2018a] *Veterans crisis line | suicide prevention hotline, chat & text [Internet].; 2018; cited May 23, 2018]. Available from: <https://www.veteranscrisisline.net/>. (link [<https://www.veteranscrisisline.net/>])*

Supporting Evidence

[Arrol 2010] Arroll B, Goodyear-Smith F, Crengle S, Gunn J, Kerse N, Fishman T, Falloon K, Hatcher S. Validation of PHQ-2 and PHQ-9 to screen for major depression in the primary care population. *Ann Fam Med*. 2010;8(4):348-353 (link [<https://doi.org/10.1370/afm.1139>])

[Dundon 2011] Dundon M, Dollar K, Schohn M, Lantinga LJ. Primary Care-Mental Health Integration Co-Located, Collaborative Care: An Operations Manual. U.S. Department of Veterans Affairs Mental Illness Research, Education and Clinical Centers (MIRECC)/Centers of Excellence (CoE) website. Updated March 2011 (link [https://www.mirecc.va.gov/cih-visn2/Documents/Clinical/MH-IPC_CCC_Operations_Manual_Version_2_1.pdf])

[Kroenke 2001] Kroenke K, Spitzer RL, Williams JB. The PHQ-9: validity of a brief depression severity measure. *J Gen Intern Med*. 2001;16(9):606-613 (link [<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1495268/>])

[VA 2018b] U.S. Department of Veterans Affairs Mental Illness Research, Education and Clinical Centers (MIRECC)/Centers of Excellence (CoE) website: Primary Care Mental Health Integration (PCMHI): Providing Same Day Access to Mental Health. Accessed October 5, 2017 (link [https://www.mirecc.va.gov/cih-visn2/Documents/Clinical/PCMHI_Same_Day_Access_Options_for_Implementation.pdf])

[Siu 2016] Siu AL, Bibbins-Domingo K, Grossman DC, et al. US Preventive Services Task Force (USPSTF). Screening for Depression in Adults: US Preventive Services Task Force Recommendation Statement. *JAMA*. 2016;315(4):380-387 (link [<https://doi.org/10.1001/jama.2015.18392>])

[Thibault 2004] Thibault JM, Steiner RW. Efficient identification of adults with depression and dementia. *Ann Fam Physician*. 2004;70(6):1101-1110 (link [<https://www.ncbi.nlm.nih.gov/pubmed/15456119>])