Women's Health: Reproductive Health Documentation Template

Documentation Template: Conceptual Structure

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

Abstract

The Women's Health: Reproductive Health Documentation Template is intended for users caring for women of reproductive age to provide guidance and allow for the efficient documentation of reproductive status, pregnancy and lactation status, pregnancy intentions, and method of pregnancy avoidance.

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Preface

Table 1. Revision History

Date	Life Cycle Event
June 14, 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	f19ba3ec-f99a-5db6-97fc-70262594b5cf	B54

Artifact Applicability

Table 4. Applicability Foci, Description and Codes

Focus	Description	Code System	Code	Value Set	Value Set Version
PatientAgeGroup	>=13 and <52 years of age.			N/A	N/A
PatientGender	Female	SNOMED CT	248152002 |Female (finding)|	N/A	N/A
ClinicalVenue	Outpatient	SNOMED CT	33022008 | Hospital-based outpatient department (environment)|	N/A	N/A
TargetUser	Primary Care	SNOMED CT	453231000124104 |Primary care provider (occupation)|	N/A	N/A
TargetUser	Designated women's health providers			N/A	N/A
TargetUser	Gynecologist			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. Disqualifications

Expression: type=elm:Retrieve , dataType=anf:TSR, codeProperty=code, dateProperty=dateTime

Annotation:

Codes: elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[236886002 |Hysterectomy (procedure)]]elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[76876009 |Bilateral oophorectomy (procedure)]]elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[77543007 |Ligation of fallopian tube (procedure)]]elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[76498008 |Postmenopausal state (finding)]]elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))-d5d1c4f4-5d27-4e48-94b9-866c5c08f163 |Failure to conceive (finding)]]

Triggers

No trigger definitions are present.

Chapter 2. Expression Definitions

Table 2.1. PatientAge

Expression: type=elm:SingletonFrom
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)]]

Table 2.2. PatientGenderFemale

Expression: type=elm:SingletonFrom
Annotation:
Codes: elm:element[elm:Code]: [[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[248152002 |Female (finding)]]

Chapter 3. Knowledge Narrative

# prompt:	Reason for visit?
response:	String (Single)
# prompt:	Patient age
response:	Integer (Single)
initalValue:	PatientAge

Chapter 4. Menstrual History

	# Age at Menarche?
prompt:	
itemCode:	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006	Has focus (attribute))->[373412001 |Finding related to menstrual cycle (finding)]- ->(363714003	Interprets (attribute))->[398700009 |Age at menarche (observable entity)];
response:	Integer (Single)
	# Date of Last Menstrual Period?
prompt:	
response:	Timestamp (Single)

#	Menstrual Cycle Pattern?	
	#	Regular
		Represented Concepts: [a997cc03-3e99-40eb-833a-6374c7750a3a	Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[302757007 |Regular periods (finding)]
		# prompt: Menstrual Cycle Pattern
		response: String (Single)
		initalValue: elm:Literal (String) Regular
		# prompt: Cycle duration (Days)
		itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[373412001 |Finding related to menstrual cycle (finding)]- ->(363714003 |Interprets (attribute))->[364310004 |Duration of menstrual cycle (observable entity)];
		response: Integer (Single)
		# prompt: Flow duration (Days)
		itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[373412001 |Finding related to menstrual cycle (finding)]- ->(363714003 |Interprets (attribute))->[161720007 |Duration of menstrual flow (observable entity)];
		response: Integer (Single)
	#	Irregular
		Represented Concepts: [a997cc03-3e99-40eb-833a-6374c7750a3a	Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[80182007 |Irregular periods (finding)]
		# prompt: Menstrual Cycle Pattern
		response: String (Single)
		initalValue: elm:Literal (String) Irregular
		# prompt: Details

		response:	String (Single)
#	Menstrual Symptoms?		
	#		
		# prompt:	Does the patient have Menstrual Symptoms
		response:	Boolean (Single)
		# prompt:	Details
		response:	String (Single)
#	Additional Menstrual History		
		# prompt:	Details
		response:	String (Single)

Chapter 5. Medical Ability to Conceive

prompt: Does this patient have a medical reason that makes her permanently unable to conceive?

response: Boolean (Single)

responseBinding: Property ("UnableToConceive")

Condition: elm:IsTrue (elm:Property("UnableToConceive"))

prompt: Reason:

response: String (Multiple)

response range: EnumerationConstraint (List)

item: Hysterectomy([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[236886002 |Hysterectomy (procedure)])

item: Menopause([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[76498008 |Postmenopausal state (finding)])

item: Bilateral Oophorectomy([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[76876009 |Bilateral oophorectomy (procedure)])

item: Tubal Ligation([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[77543007 |Ligation of fallopian tube (procedure)])

☞ item: Other

Chapter 6. Reproductive History

    # Prior pregnancies?

    ❖

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[169563005 |Pregnant - on history (finding)]

response: Boolean (Single)

Condition: elm:Property

> # prompt: Total number of pregnancies
>
> itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[118185001 |Finding related to pregnancy (finding)]- ->(363714003 |Interprets (attribute))->[246211005 |Number of previous pregnancies (observable entity)];
>
> response: Integer (Single)
>
> > # ❖ Pregnancy Outcomes
> >
> > > # prompt: Pregnancy #?
> > >
> > > response: Integer (Single)
> > >
> > > # prompt: Pregnancy Outcome
> > >
> > > response: String (Single)
> > >
> > > response range: EnumerationConstraint (List)
> > >
> > > > item: Vaginal delivery([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[289259007 |Vaginal delivery (finding)])
> > > >
> > > > item: Cesarean section(11466000 |Cesarean section (procedure)|)
> > > >
> > > > item: Stillbirth([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[237364002 |Stillbirth (finding)])
> > > >
> > > > item: Spontaneous abortion([a997cc03-3e99-40eb-833a-6374c7750a3a | Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[17369002 |Miscarriage (disorder)])
> > > >
> > > > item: Elective abortion([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[18391007 | Elective abortion (disorder)])
> > > >
> > > > item: Ectopic pregnancy([a997cc03-3e99-40eb-833a-6374c7750a3a | Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[34801009 |Ectopic pregnancy (disorder)])
> > > >
> > > > item: Other
> > >
> > > **responseBinding:** Property ("PregnancyOutcome")
> > >
> > > > # **Condition:** elm:Equal (elm:Property("PregnancyOutcome" from: elm:ParameterRef(Responses)) elm:Literal())
> > > >
> > > > Ectopic Pregnancy
> > > >
> > > > > # prompt: Medical treatment

			response: String (Single)
			# prompt: Surgical treatment
			response: String (Single)
		#	**Condition:**elm:Equal (elm:Property("PregnancyOutcome" from: elm:ParameterRef(Responses)) elm:Literal())
			Other pregnancy outcome details
			# prompt: Other details
			response: String (Single)

Currently breastfeeding?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[69840006 |Normal breast feeding (finding)]

response: Boolean (Single)

Prior contraceptive use

prompt:

response: String (Multiple)

response range: EnumerationConstraint (List)

item: Intrauterine device([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[312081001 |Intrauterine device contraception (finding)])

item: Contraceptive implant([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[e6e70d12-6a1b-4c79-90d2-24a7ce9b9ccc | Contraception using drug-eluding contraceptive implant (finding)])

item: Contraceptive shot([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[268464009 |Depot contraception (finding)])

item: Contraceptive ring([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[450850003 |Uses vaginal hormone releasing ring (finding)])

item: Contraceptive pill([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[5935008 |Oral contraception (finding)])

item: Contraceptive patch([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[413116005 |Transdermal contraception (finding)])

item: Male condom([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[cb5f0704-7565-417c-afa1-568d79063070 |Contraception using male condom (finding)])

item: Female condom([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[228479001 |Uses a female condom (finding)])

item: Diaphragm([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[450851004 |Uses contraceptive diaphragm (finding)])

item: Cervical cap([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[25da3735-6132-49d7-9cb5-98a41885c90b |Contraception using cervical cap (finding)])

item: Contraceptive sponge([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[169530003 |Uses contraceptive sponge (finding)])

item: Spermicide([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[268466006 |Spermicidal contraception (finding)])

item: Natural family planning (e.g., lactational amenorrhea, rhythm, calendar, or cervical mucus methods) (718701005 |Natural family planning method (regime/therapy))

item: Nothing

Current contraceptive use

prompt:

response: String (Multiple)

response range: EnumerationConstraint (List)

item: Intrauterine device([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[312081001 |Intrauterine device contraception (finding)])

item: Contraceptive implant([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[e6e70d12-6a1b-4c79-90d2-24a7ce9b9ccc |Contraception using drug-eluding contraceptive implant (finding)])

item: Contraceptive shot([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[268464009 |Depot contraception (finding)])

item: Contraceptive ring([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[450850003 |Uses vaginal hormone releasing ring (finding)])

item: Contraceptive pill([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[5935008 |Oral contraception (finding)])

item: Contraceptive patch([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[413116005 |Transdermal contraception (finding)])

item: Male condom([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[cb5f0704-7565-417c-afa1-568d79063070 |Contraception using male condom (finding)])

item: Female condom([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[228479001 |Uses a female condom (finding)])

item: Diaphragm([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[450851004 |Uses contraceptive diaphragm (finding)])

item: Cervical cap([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[25da3735-6132-49d7-9cb5-98a41885c90b |Contraception using cervical cap (finding)])

item: Contraceptive sponge([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[169530003 |Uses contraceptive sponge (finding)])

item: Spermicide([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[268466006 |Spermicidal contraception (finding)])

item: Natural family planning (e.g., lactational amenorrhea, rhythm, calendar, or cervical mucus methods) (718701005 |Natural family planning method (regime/therapy))

item: Nothing

Prior emergency contraception use?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[275813002 |Emergency contraception (finding)]

response: Boolean (Single)

Condition:elm:Property

Emergency contraception use details

  prompt:

response: String (Single)

Chapter 7. Sexual History

#	Sexually Active?
prompt:	
itemCode:	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[228453005 |Sexually active (finding)]
response:	Boolean (Single)

#	**Condition:**elm:Property
# prompt:	Gender Identity
response:	String (Single)
# prompt:	Sexual Orientation
response:	String (Single)
# prompt:	Sexual practices
response:	String (Multiple)
response range:	EnumerationConstraint (List)
item:	Vaginal sex([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[229012002 |Vaginal penetration (finding)])
item:	Anal sex([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[2145000 |Anal penetration (finding)])
item:	Oral sex([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[73666000 |Oral-genital stimulation (finding)])
☞ item:	Other
# prompt:	Types of Sexual Partner(s)
response:	String (Single)
response range:	EnumerationConstraint (List)
item:	Men([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[43b09307-453c-488a-acba-bbf3a39534cb |Male sexual partner type (finding)])
item:	Women([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[405504bc-1098-47b6-9154-e87306e47d5b |Female sexual partner type (finding)])
item:	Both
item:	None
# prompt:	Number of Sexual Partners
itemCode:	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[365961006 |Finding of sexual partners (finding)]- ->(363714003 |Interprets

	(attribute))->[228458001 |Number of sexual partners (observable entity)];
response:	Integer (Single)
# prompt:	Prior sexually transmitted infections?
itemCode:	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[8098009 |Sexually transmitted infectious disease (disorder)]
response:	Boolean (Single)

responseBinding: Property ("PriorSTD")

Condition:elm:Property

# prompt:	Prior STD details
response:	String (Single)

Condition:elm:Not (elm:Property("PriorSTD"))

# prompt:	Types of Contraceptives/Sexually Transmitted Infection Prevention Used
response:	String (Single)
# prompt:	High-risk sexual behaviors?
itemCode:	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[102947004 |High risk sexual behavior (finding)]
response:	Boolean (Single)

Condition:elm:Property

# prompt:	High-risk sexual behaviors details
response:	String (Single)

Chapter 8. Medical/Surgical History

Current or prior medical problems?

prompt:

response: Boolean (Single)

Condition:elm:Property

Description of medical problems

prompt:

response: String (Single)

Mental Health History

prompt:

response: String (Multiple)

response EnumerationConstraint (List)
range:

item: Anxiety([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[48694002 |Anxiety (finding)])

item: Depression([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[35489007 |Depressive disorder (disorder)])

item: Eating Disorder([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[72366004 |Eating disorder (disorder)])

item: Schizophrenia([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[58214004 |Schizophrenia (disorder)])

item: Bi-Polar Disorder([a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[13746004 |Bipolar disorder (disorder)])

☞ Other
item:

Prior surgeries?

prompt:

itemCode: 387713003 |Surgical procedure (procedure)|

response: Boolean (Single)

#	**Condition:**elm:Property
	# prompt: Date of surgery
	response: Timestamp (Single)
	# prompt: Surgical description
	response: String (Single)

Chapter 9. Social History

#	Substance Use History	
	# prompt:	Current or former tobacco user?
	itemCode:	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[110483000 |Tobacco user (finding)]
	response:	Boolean (Single)

	#	**Condition:**elm:Property	
		# prompt:	Link to Tobacco Screening and Cessation Counseling KNART
		response:	URL (Single)

	# prompt:	Alcohol Use?
	itemCode:	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[704197006 |Admits alcohol use (finding)]
	response:	Boolean (Single)

	#	**Condition:**elm:Property	
		# prompt:	Alcohol use details
		response:	String (Single)
		# prompt:	Link to Substance Use KNART (not currently available).
		response:	URL (Single)

	# prompt:	Rehabilitation or detoxification?
	itemCode:	52052004 |Rehabilitation therapy (regime/therapy)|
	itemCode:	67516001 |Detoxification therapy (regime/therapy)|
	response:	Boolean (Single)

	#	**Condition:**elm:Property	
		# prompt:	Rehabilitation or detoxification details
		response:	String (Single)

	# prompt:	Cocaine Use?
	itemCode:	[a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[733461000 |Cocaine user (finding)]
	response:	Boolean (Single)

	#	**Condition:**elm:Property	
		# prompt:	Cocaine use details
		response:	String (Single)
		# prompt:	Link to Substance Use KNART (not currently available).
		response:	URL (Single)

	# prompt:	Other substance use history
	response:	Boolean (Single)

	#	**Condition:**elm:Property	
		# prompt:	Other substance use details
		response:	String (Single)

| | # prompt: Link to Substance Use KNART (not currently available). |
| | response: URL (Single) |

Homeless

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[32911000 |Homeless (finding)]

response: Boolean (Single)

#	**Condition:**elm:Property
	# prompt: Homeless details
	response: String (Single)

Unstable Home Environment?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[276104006 |Home unsettled (finding)]

response: Boolean (Single)

#	**Condition:**elm:Property
	# prompt: Home environment details
	response: String (Single)

Geographically Remote (40+ Mile Drive to Medical Care?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[b0549379-fc0b-45dc-8a84-befe666432f5 |Residence remote from medical facility (finding)]

response: Boolean (Single)

#	**Condition:**elm:Property
	# prompt: Remote location details
	response: String (Single)

Neglect and Abuse History?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[95930005 |Victim of neglect (finding)]

response: Boolean (Single)

#	**Condition:**elm:Property
	# prompt: Sexual
	itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[225826001 |Victim of sexual abuse (finding)]
	response: Boolean (Single)
	Condition:elm:Property
	# prompt: Sexual abuse details
	response: String (Single)
	# prompt: Physical

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

response: Boolean (Single)

Condition:elm:Property

prompt: Physical abuse details

response: String (Single)

prompt: Emotional

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[419916003 |Victim of emotional abuse (finding)]

response: Boolean (Single)

Condition:elm:Property

prompt: Emotional abuse details

response: String (Single)

Additional Social history

prompt:

response: String (Single)

Chapter 10. Pertinent Family Medical History

        # Endometriosis?

    prompt:

  itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[129103003 |Endometriosis (disorder)]

  response: Boolean (Single)

responseBinding: Property ("familyHasEndometriosis")

   # **Condition:**elm:Property

Affected Family Members

     # prompt: Sister

    itemCode: 27733009 |Sister (person)|

    response: Boolean (Single)

responseBinding: Property ("sister")

     # **Condition:**elm:Property

       # prompt: Age at Diagnosis

       response: Integer (Single)

       # prompt: Detail

       response: String (Single)

    # prompt: Daughter

    itemCode: 66089001 |Daughter (person)|

    response: Boolean (Single)

     #

       # prompt: Age at Diagnosis

       response: Integer (Single)

       # prompt: Detail

       response: String (Single)

    # prompt: Mother

    itemCode: 72705000 |Mother (person)|

    response: Boolean (Single)

responseBinding: Property ("mother")

     # **Condition:**elm:Property

       # prompt: Age at Diagnosis

       response: Integer (Single)

       # prompt: Detail

       response: String (Single)

    # prompt: Maternal Grandmother

    itemCode: 394859001 |Maternal grandmother (person)|

response: Boolean (Single)

responseBinding: Property ("MaternalGrandmother")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Maternal Half-Sister

itemCode: 719765007 |Maternal half sister (person)|

response: Boolean (Single)

responseBinding: Property ("MaternalHalfSister")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Maternal Aunt

itemCode: 736454006 |Maternal aunt (person)|

response: Boolean (Single)

responseBinding: Property ("MaternalAunt")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Paternal Grandmother

itemCode: 394858009 |Paternal grandmother (person)|

response: Boolean (Single)

responseBinding: Property ("PaternalGrandmother")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Paternal Half-Sister

itemCode: 719764006 |Paternal half sister (person)|

response: Boolean (Single)

responseBinding: Property ("PaternalHalfSister")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Aunt

itemCode: 736455007 |Paternal aunt (person)|

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

Polycystic Ovarian Syndrome?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[69878008 |Polycystic ovaries (disorder)]

response: Boolean (Single)

Condition:elm:Property

Affected Family Members

#

prompt: Sister

response: Boolean (Single)

responseBinding: Property ("Sister")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Daughter

response: Boolean (Single)

responseBinding: Property ("Daughter")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Mother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Grandmother

response: Boolean (Single)

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Half-Sister

response: Boolean (Single)

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Aunt

response: Boolean (Single)

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Grandmother

response: Boolean (Single)

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Sister

response: Boolean (Single)

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Aunt

response: Boolean (Single)

responseBinding: Property ("PaternalAunt")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

Uterine Fibroids?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[95315005 |Uterine leiomyoma (disorder)]

response: Boolean (Single)

responseBinding: Property ("Has Uterine Fibroids")

#	**Condition:**elm:Property
	Affected Family Members

#	
	# prompt: Sister
	response: Boolean (Single)

responseBinding: Property ("Sister")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Daughter

response: Boolean (Single)

responseBinding: Property ("Daughter")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Mother

response: Boolean (Single)

responseBinding: Property ("Mother")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Maternal Grandmother

response: Boolean (Single)

responseBinding: Property ("MaternalGrandmother")

        # | **Condition:**elm:Property

            # prompt: Age at Diagnosis

            response: Integer (Single)

            # prompt: Detail

            response: String (Single)

prompt: Maternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("MaternalHalfSister")

        # | **Condition:**elm:Property

            # prompt: Age at Diagnosis

            response: Integer (Single)

            # prompt: Detail

            response: String (Single)

prompt: Maternal Aunt

response: Boolean (Single)

responseBinding: Property ("MaternalAunt")

        # | **Condition:**elm:Property

            # prompt: Age at Diagnosis

            response: Integer (Single)

            # prompt: Detail

            response: String (Single)

prompt: Paternal Grandmother

response: Boolean (Single)

responseBinding: Property ("PaternalGrandmother")

        # | **Condition:**elm:Property

            # prompt: Age at Diagnosis

            response: Integer (Single)

            # prompt: Detail

            response: String (Single)

prompt: Paternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("PaternalHalfSister")

        # | **Condition:**elm:Property

            # prompt: Age at Diagnosis

            response: Integer (Single)

            # prompt: Detail

            response: String (Single)

prompt: Paternal Aunt

response: Boolean (Single)

responseBinding: Property ("PaternalAunt")

\# | **Condition:**elm:Property

\# prompt: Age at Diagnosis

response: Integer (Single)

\# prompt: Detail

response: String (Single)

\# Other Gynecological Conditions?

prompt:

response: Boolean (Single)

responseBinding: Property ("FHxOtherGyn")

\# | **Condition:**elm:Property

Affected Family Members

\#

\# prompt: Sister

response: Boolean (Single)

\# | **Condition:**elm:Property

\# prompt: Age at Diagnosis

response: Integer (Single)

\# prompt: Detail

response: String (Single)

\# prompt: Daughter

response: Boolean (Single)

responseBinding: Property ("Daughter")

\# | **Condition:**elm:Property

\# prompt: Age at Diagnosis

response: Integer (Single)

\# prompt: Detail

response: String (Single)

\# prompt: Mother

response: Boolean (Single)

responseBinding: Property ("Mother")

\# | **Condition:**elm:Property

\# prompt: Age at Diagnosis

response: Integer (Single)

\# prompt: Detail

response: String (Single)

\# prompt: Maternal Grandmother

response: Boolean (Single)

responseBinding: Property ("MaternalGrandmother")

\# | **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("MaternalHalfSister")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Aunt

response: Boolean (Single)

responseBinding: Property ("MaternalAunt")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Grandmother

response: Boolean (Single)

responseBinding: Property ("PaternalGrandmother")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("PaternalHalfSister")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Aunt

response: Boolean (Single)

responseBinding: Property ("PaternalAunt")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

Diabetes Mellitus?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[73211009 |Diabetes mellitus (disorder)]

response: Boolean (Single)

responseBinding: Property ("FHxDM")

Condition:elm:Property

Affected Family Members

#

prompt: Sister

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Brother

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[73211009 |Diabetes mellitus (disorder)]

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Daughter

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Son

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[73211009 |Diabetes mellitus (disorder)]

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Mother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Grandmother

response: Boolean (Single)

responseBinding: Property ("MaternalGrandmother")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Grandfather

itemCode: 394857004 |Maternal grandfather (person)|

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Half-Sister

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Half-Brother

itemCode: 719766008 |Maternal half brother (person)|

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

        # prompt: Detail

        response: String (Single)

prompt: Maternal Aunt

response: Boolean (Single)

responseBinding: Property ("MaternalAunt")

    # | **Condition:** elm:Property

        # prompt: Age at Diagnosis

        response: Integer (Single)

        # prompt: Detail

        response: String (Single)

prompt: Maternal Uncle

itemCode: 442031000124102 |Maternal uncle (person)|

response: Boolean (Single)

responseBinding: Property ("MaternalUncle")

    # | **Condition:** elm:Property

        # prompt: Age at Diagnosis

        response: Integer (Single)

        # prompt: Detail

        response: String (Single)

prompt: Father

itemCode: 6839005 |Father (person)|

response: Boolean (Single)

    # | **Condition:** elm:Property

        # prompt: Age at Diagnosis

        response: Integer (Single)

        # prompt: Detail

        response: String (Single)

prompt: Paternal Grandmother

response: Boolean (Single)

responseBinding: Property ("PaternalGrandmother")

    # | **Condition:** elm:Property

        # prompt: Age at Diagnosis

        response: Integer (Single)

        # prompt: Detail

        response: String (Single)

prompt: Paternal GrandFather

itemCode: 394856008 |Paternal grandfather (person)|

response: Boolean (Single)

responseBinding: Property ("PaternalGrandFather")

    # | **Condition:** elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("PaternalHalfSister")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Brother

itemCode: 719762005 |Paternal half brother (person)|

response: Boolean (Single)

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Aunt

response: Boolean (Single)

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Uncle

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[73211009 |Diabetes mellitus (disorder)]

response: Boolean (Single)

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

Hypertension?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[38341003 |Hypertensive disorder, systemic arterial (disorder)]

response: Boolean (Single)

\# **Condition:**elm:Property

Affected Family Members

\#

    \# prompt: Sister

    response: Boolean (Single)

        \# **Condition:**elm:Property

          \# prompt: Age at Diagnosis

          response: Integer (Single)

          \# prompt: Detail

          response: String (Single)

    \# prompt: Brother

    response: Boolean (Single)

        \# **Condition:**elm:Property

          \# prompt: Age at Diagnosis

          response: Integer (Single)

          \# prompt: Detail

          response: String (Single)

    \# prompt: Daughter

    response: Boolean (Single)

        \# **Condition:**elm:Property

          \# prompt: Age at Diagnosis

          response: Integer (Single)

          \# prompt: Detail

          response: String (Single)

    \# prompt: Son

    response: Boolean (Single)

        \# **Condition:**elm:Property

          \# prompt: Age at Diagnosis

          response: Integer (Single)

          \# prompt: Detail

          response: String (Single)

    \# prompt: Mother

    response: Boolean (Single)

        \# **Condition:**elm:Property

          \# prompt: Age at Diagnosis

          response: Integer (Single)

          \# prompt: Detail

          response: String (Single)

    \# prompt: Maternal Grandmother

    response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
> response: Integer (Single)
> \# prompt: Detail
> response: String (Single)

\# prompt: Maternal Grandfather

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
> response: Integer (Single)
> \# prompt: Detail
> response: String (Single)

\# prompt: Maternal Half-Sister

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
> response: Integer (Single)
> \# prompt: Detail
> response: String (Single)

\# prompt: Maternal Half-Brother

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
> response: Integer (Single)
> \# prompt: Detail
> response: String (Single)

\# prompt: Maternal Aunt

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
> response: Integer (Single)
> \# prompt: Detail
> response: String (Single)

\# prompt: Maternal Uncle

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
> response: Integer (Single)
> \# prompt: Detail
> response: String (Single)

prompt: Father

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Grandmother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal GrandFather

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Sister

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Brother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Aunt

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Uncle

response: Boolean (Single)

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

Cardiovascular Disease?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[38341003 |Hypertensive disorder, systemic arterial (disorder)]

response: Boolean (Single)

| **Condition:**elm:Property

Affected Family Members

#

prompt: Sister

response: Boolean (Single)

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Brother

response: Boolean (Single)

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Daughter

response: Boolean (Single)

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Son

response: Boolean (Single)

\# **Condition:**elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Mother

response: Boolean (Single)

\# **Condition:**elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Maternal Grandmother

response: Boolean (Single)

\# **Condition:**elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Maternal Grandfather

response: Boolean (Single)

\# **Condition:**elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Maternal Half-Sister

response: Boolean (Single)

\# **Condition:**elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Maternal Half-Brother

response: Boolean (Single)

\# **Condition:**elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

prompt: Maternal Aunt

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Uncle

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Father

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Grandmother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal GrandFather

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Sister

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Brother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Aunt

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Uncle

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

Venous Thromboembolism?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[429098002 |Thromboembolism of vein (disorder)]

response: Boolean (Single)

Condition:elm:Property

Affected Family Members

#

prompt: Sister

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Brother

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> \# prompt: Detail
>
> response: String (Single)

\# prompt: Daughter

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> \# prompt: Detail
>
> response: String (Single)

\# prompt: Son

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> \# prompt: Detail
>
> response: String (Single)

\# prompt: Mother

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> \# prompt: Detail
>
> response: String (Single)

\# prompt: Maternal Grandmother

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> \# prompt: Detail
>
> response: String (Single)

\# prompt: Maternal Grandfather

response: Boolean (Single)

\# **Condition:**elm:Property

> \# prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> \# prompt: Detail
>
> response: String (Single)

prompt: Maternal Half-Sister

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Half-Brother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Aunt

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Uncle

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Father

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Grandmother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal GrandFather

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Sister

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Brother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Aunt

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Uncle

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

Colorectal, Breast, Ovarian, or Uterine Cancer?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[363510005 |Malignant tumor of large intestine (disorder)]

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[254837009 |Malignant neoplasm of breast (disorder)]

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[363443007 |Malignant tumor of ovary (disorder)]

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[371973000 |Malignant neoplasm of uterus (disorder)]

response: Boolean (Single)

#	**Condition:**elm:Property

Affected Family Members

#	

    # prompt: Sister

    response: Boolean (Single)

	#	**Condition:**elm:Property

        # prompt: Age at Diagnosis

        response: Integer (Single)

        # prompt: Detail

        response: String (Single)

    # prompt: Brother

    response: Boolean (Single)

	#	**Condition:**elm:Property

        # prompt: Age at Diagnosis

        response: Integer (Single)

        # prompt: Detail

        response: String (Single)

    # prompt: Daughter

    response: Boolean (Single)

	#	**Condition:**elm:Property

        # prompt: Age at Diagnosis

        response: Integer (Single)

        # prompt: Detail

        response: String (Single)

    # prompt: Son

    response: Boolean (Single)

	#	**Condition:**elm:Property

        # prompt: Age at Diagnosis

        response: Integer (Single)

        # prompt: Detail

        response: String (Single)

    # prompt: Mother

response: Boolean (Single)

 # **Condition:** elm:Property

  # prompt: Age at Diagnosis

  response: Integer (Single)

  # prompt: Detail

  response: String (Single)

prompt: Maternal Grandmother

response: Boolean (Single)

 # **Condition:** elm:Property

  # prompt: Age at Diagnosis

  response: Integer (Single)

  # prompt: Detail

  response: String (Single)

prompt: Maternal Grandfather

response: Boolean (Single)

 # **Condition:** elm:Property

  # prompt: Age at Diagnosis

  response: Integer (Single)

  # prompt: Detail

  response: String (Single)

prompt: Maternal Half-Sister

response: Boolean (Single)

 # **Condition:** elm:Property

  # prompt: Age at Diagnosis

  response: Integer (Single)

  # prompt: Detail

  response: String (Single)

prompt: Maternal Half-Brother

response: Boolean (Single)

 # **Condition:** elm:Property

  # prompt: Age at Diagnosis

  response: Integer (Single)

  # prompt: Detail

  response: String (Single)

prompt: Maternal Aunt

response: Boolean (Single)

 # **Condition:** elm:Property

  # prompt: Age at Diagnosis

  response: Integer (Single)

  # prompt: Detail

response: String (Single)

\# prompt: Maternal Uncle

response: Boolean (Single)

\# **Condition:** elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Father

response: Boolean (Single)

\# **Condition:** elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Paternal Grandmother

response: Boolean (Single)

\# **Condition:** elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Paternal GrandFather

response: Boolean (Single)

responseBinding: Property ("PaternalGrandFather")

\# **Condition:** elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Paternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("PaternalHalfSister")

\# **Condition:** elm:Property

    \# prompt: Age at Diagnosis

    response: Integer (Single)

    \# prompt: Detail

    response: String (Single)

\# prompt: Paternal Half-Brother

response: Boolean (Single)

responseBinding: Property ("PaternalHalfBrother")

     # | **Condition:**elm:Property

         # prompt: Age at Diagnosis

         response: Integer (Single)

         # prompt: Detail

         response: String (Single)

   # prompt: Paternal Aunt

   response: Boolean (Single)

responseBinding: Property ("PaternalAunt")

     # | **Condition:**elm:Property

         # prompt: Age at Diagnosis

         response: Integer (Single)

         # prompt: Detail

         response: String (Single)

   # prompt: Paternal Uncle

   response: Boolean (Single)

responseBinding: Property ("PaternalUncle")

     # | **Condition:**elm:Property

         # prompt: Age at Diagnosis

         response: Integer (Single)

         # prompt: Detail

         response: String (Single)

  # Alcohol or substance abuse?

prompt:

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[15167005 |Alcohol abuse (disorder)]

itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] ->(363702006 | Has focus (attribute))->[66214007 |Substance abuse (disorder)]

response: Boolean (Single)

   responseBinding: Property ("FHxAlcoholSubstanceAbuse")

   # | **Condition:**elm:Property

   Affected Family Members

   #

     # prompt: Sister

     response: Boolean (Single)

responseBinding: Property ("Sister")

     # | **Condition:**elm:Property

         # prompt: Age at Diagnosis

         response: Integer (Single)

         # prompt: Detail

         response: String (Single)

prompt: Brother

response: Boolean (Single)

responseBinding: Property ("Brother")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Daughter

response: Boolean (Single)

responseBinding: Property ("Daughter")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Son

response: Boolean (Single)

responseBinding: Property ("Son")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Mother

response: Boolean (Single)

responseBinding: Property ("Mother")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Grandmother

response: Boolean (Single)

responseBinding: Property ("MaternalGrandmother")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Grandfather

response: Boolean (Single)

responseBinding: Property ("MaternalGrandfather")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("MaternalHalfSister")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Half-Brother

response: Boolean (Single)

responseBinding: Property ("MaternalHalfBrother")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Aunt

response: Boolean (Single)

responseBinding: Property ("MaternalAunt")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Uncle

response: Boolean (Single)

responseBinding: Property ("MaternalUncle")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Father

response: Boolean (Single)

responseBinding: Property ("Father")

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Grandmother

response: Boolean (Single)

responseBinding: Property ("PaternalGrandmother")

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal GrandFather

response: Boolean (Single)

responseBinding: Property ("PaternalGrandFather")

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("PaternalHalfSister")

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Brother

response: Boolean (Single)

responseBinding: Property ("PaternalHalfBrother")

Condition: elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Aunt

response: Boolean (Single)

responseBinding: Property ("PaternalAunt")

| **Condition:**elm:Property

> # prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> # prompt: Detail
>
> response: String (Single)

prompt: Paternal Uncle

response: Boolean (Single)

responseBinding: Property ("PaternalUncle")

| **Condition:**elm:Property

> # prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> # prompt: Detail
>
> response: String (Single)

Mental Illness

prompt:

response: Boolean (Single)

responseBinding: Property ("FHxMentalIllness")

| **Condition:**elm:Property

Affected Family Members

#

prompt: Sister

response: Boolean (Single)

| **Condition:**elm:Property

> # prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> # prompt: Detail
>
> response: String (Single)

prompt: Brother

response: Boolean (Single)

responseBinding: Property ("Brother")

| **Condition:**elm:Property

> # prompt: Age at Diagnosis
>
> response: Integer (Single)
>
> # prompt: Detail
>
> response: String (Single)

prompt: Daughter

response: Boolean (Single)

responseBinding: Property ("Daughter")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Son

response: Boolean (Single)

responseBinding: Property ("Son")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Mother

response: Boolean (Single)

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Grandmother

response: Boolean (Single)

responseBinding: Property ("MaternalGrandmother")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Grandfather

response: Boolean (Single)

responseBinding: Property ("MaternalGrandfather")

| **Condition:**elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Maternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("MaternalHalfSister")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Maternal Half-Brother

response: Boolean (Single)

responseBinding: Property ("MaternalHalfBrother")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Maternal Aunt

response: Boolean (Single)

responseBinding: Property ("MaternalAunt")

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Maternal Uncle

response: Boolean (Single)

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Father

response: Boolean (Single)

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis
	response: Integer (Single)
	# prompt: Detail
	response: String (Single)

prompt: Paternal Grandmother

response: Boolean (Single)

#	**Condition:**elm:Property
	# prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal GrandFather

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Sister

response: Boolean (Single)

responseBinding: Property ("PaternalHalfSister")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Half-Brother

response: Boolean (Single)

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Aunt

response: Boolean (Single)

responseBinding: Property ("PaternalAunt")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

prompt: Paternal Uncle

response: Boolean (Single)

responseBinding: Property ("PaternalUncle")

Condition:elm:Property

prompt: Age at Diagnosis

response: Integer (Single)

prompt: Detail

response: String (Single)

Chapter 11. Reproductive Goals Assessment

 # prompt: Do you want to become pregnant within the next year?

 itemCode: [a997cc03-3e99-40eb-833a-6374c7750a3a |Observation procedure (procedure)] -
>(363702006 |Has focus (attribute))->[454411000124108 |Wants to become pregnant
(finding)]

 response: Boolean (Single)

responseBinding: Property ("DesiresPregnancy")

Condition: elm:Property

 # prompt: Provide link to Preconception Counseling KNART if available.

 response: Boolean (Single)

Condition: elm:Not (elm:Property("DesiresPregnancy"))

 # prompt: Contraceptive priorities

 response: String (Multiple)

 response EnumerationConstraint (List)
  range:

   item: Permanence

   item: Reversibility

   item: Short-acting

   item: Long-acting

   item: High efficacy

   item: High safety

   item: Ease of use

   item: Noncontraceptive benefits

   item: Nonhormonal

   item: Personal control

   item: Prevention of sexually transmitted infections

   item: Declines contraceptive counseling

 ☞ item: Other

responseBinding: Property ("ContraceptivePriorities")

Chapter 12. Same Day Start Criteria for Contraceptives

Conditions
Condition:elm:Not (elm:Or(elm:Property("DesiresPregnancy") elm:Contains(elm:Property("ContraceptivePriorities") elm:Literal()))))

 # prompt: Criteria for beginning immediate contraception (to include ring, patch, pill or the injectable

 response: String (Multiple)

 response range: EnumerationConstraint (List)

   item: First day of the last menstrual period (LMP) occurred less than or equal to 7 days ago

   item: No intercourse since start of the LMP

   item: Negative pregnancy test

Chapter 13. Plan

Conditions
Condition:elm:Not (elm:Or(elm:Property("DesiresPregnancy") elm:Contains(elm:Property("ContraceptivePriorities") elm:Literal())))

Review with patient the contraceptive options and the associated levels of effectiveness of those methods.

# prompt:	Permanent methods (less than 1 pregnancy per year among 100 women with typical use)
response:	String (Multiple)
response range:	EnumerationConstraint (List)
item:	Tubal ligation (female sterilization)([409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[77543007 |Ligation of fallopian tube (procedure)])
item:	Tubal implant([409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[bc795a70-3a23-46d4-a627-d5a891f03c1b |Bilateral occlusion of fallopian tubes using intrafallopian implants (procedure)])
item:	Vasectomy (male sterilization)(243065005 |Vasectomy education (procedure)|)
# prompt:	Highly effective methods (1 or fewer pregnancies per year among 100 women with typical use)
response:	String (Multiple)
response range:	EnumerationConstraint (List)
item:	Intrauterine device(736808007 |Education for intrauterine system contraception (procedure)|)
item:	Progesterone implant([409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[e6e70d12-6a1b-4c79-90d2-24a7ce9b9ccc |Contraception using drug-eluding contraceptive implant (finding)])
item:	Progesterone shot([409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[268464009 |Depot contraception (finding)])
# prompt:	Very effective methods (about 5 pregnancies per year among 100 women with typical use)
response:	String (Multiple)
response range:	EnumerationConstraint (List)
item:	Contraceptive ring, pill or patch(caa5a477-3d9f-4d30-858a-9cd509af8298 |Education about contraceptive ring (procedure) 430134003 |Education about oral contraception (procedure)| [409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[413116005 |Transdermal contraception (finding)])
# prompt:	Less effective methods (about 15 to 32 pregnancies per year among 100 women with typical use)

response: String (Multiple)

response range: EnumerationConstraint (List)

item: Diaphragm with spermicide(84dee3d7-2cf2-4d23-92d1-fef352cf6e83 |Education about diaphragm with spermicide (procedure))

item: Cervical cap with spermicide(0f125961-e351-4646-97e5-ec8c6284ee35 |Education about cervical cap with spermicide (procedure))

item: Contraceptive sponge(cfcca17d-affd-4db8-9ad7-d914a1fe566f |Education about contraceptive sponge (procedure))

item: Male condom(0abd7253-068a-4e35-b340-7035d2f14d70 | Education about male condom (procedure))

item: Female condom(736809004 |Education for female condom (procedure)|)

item: Spermicide alone(736810009 |Education for spermicidal contraceptive (procedure)|)

item: Natural family planning (e.g., lactational, amenorrhea, rhythm, calendar, or cervical mucus methods)([409073007 | Education (procedure)] ->(363702006 |Has focus (attribute))->[718701005 |Natural family planning method (regime/ therapy)])

prompt: Not effective

response: String (Multiple)

response range: EnumerationConstraint (List)

item: Nothing

Review with patient emergency contraceptives in case of unprotected sex.

prompt: Emergency contraceptive (less than 1 pregnancy per year among 100 women if used within 72 hours)

itemCode: 313106003 |Emergency contraception education (procedure)|

response: Boolean (Single)

If appropriate, address sexually transmitted infection risk reduction with use of barrier methods.

prompt: Contraceptive plan?

response: Boolean (Single)

Condition:elm:Property

prompt: Description

response: String (Single)

prompt: Sexually transmitted infection risk reduction plan?

response: Boolean (Single)

Condition:elm:Property

prompt: Description

response: String (Single)

Chapter 14. Tabular List

Terminology Service Request (TSR) Mappings

Table 14.1. Terminology Versions

Name	Identifer	Version
SNOMED CT	2.16.840.1.113883.6.96	United States Edition 20180301

Table 14.2. Terminology References

System	Code	Display Text[a]	References[b]
SNOMED CT	0abd7253-068a-4e35-b340-7035d2f14d70 | Education about male condom (procedure)	Male condom	1
SNOMED CT	0f125961-e351-4646-97e5-ec8c6284ee35 |Education about cervical cap with spermicide (procedure)	Cervical cap with spermicide	1
SNOMED CT	11466000 |Cesarean section (procedure)|	Cesarean section	1
SNOMED CT	243065005 |Vasectomy education (procedure)|	Vasectomy (male sterilization)	1
SNOMED CT	248152002 |Female (finding)|	Female	1
SNOMED CT	27733009 |Sister (person)|	Postcoordinated Expression	1
SNOMED CT	313106003 |Emergency contraception education (procedure)|	Postcoordinated Expression	1
SNOMED CT	33022008 |Hospital-based outpatient department (environment)|	Outpatient	1
SNOMED CT	387713003 |Surgical procedure (procedure)|	Precoordinated Expression	1
SNOMED CT	394856008 |Paternal grandfather (person)|	Postcoordinated Expression	1
SNOMED CT	394857004 |Maternal grandfather (person)|	Postcoordinated Expression	1
SNOMED CT	394858009 |Paternal grandmother (person)|	Postcoordinated Expression	1
SNOMED CT	394859001 |Maternal grandmother (person)|	Postcoordinated Expression	1
SNOMED CT	398166005 |Performed (qualifier value)|	Precoordinated Expression	1

System	Code	Display Text[a]	References[b]
SNOMED CT	430134003 |Education about oral contraception (procedure)|	Contraceptive ring, pill or patch	1
SNOMED CT	442031000124102 | Maternal uncle (person)|	Postcoordinated Expression	1
SNOMED CT	453231000124104 | Primary care provider (occupation)|	Primary Care	1
SNOMED CT	52052004 |Rehabilitation therapy (regime/therapy)|	Precoordinated Expression	1
SNOMED CT	66089001 |Daughter (person)|	Postcoordinated Expression	1
SNOMED CT	67516001 |Detoxification therapy (regime/therapy)|	Precoordinated Expression	1
SNOMED CT	6839005 |Father (person)|	Postcoordinated Expression	1
SNOMED CT	718701005 |Natural family planning method (regime/ therapy)	Natural family planning (e.g., lactational amenorrhea, rhythm, calendar, or cervical mucus methods)	2
SNOMED CT	719762005 |Paternal half brother (person)|	Postcoordinated Expression	1
SNOMED CT	719764006 |Paternal half sister (person)|	Postcoordinated Expression	1
SNOMED CT	719765007 |Maternal half sister (person)|	Postcoordinated Expression	1
SNOMED CT	719766008 |Maternal half brother (person)|	Postcoordinated Expression	1
SNOMED CT	72705000 |Mother (person)|	Postcoordinated Expression	1
SNOMED CT	736454006 |Maternal aunt (person)|	Postcoordinated Expression	1
SNOMED CT	736455007 |Paternal aunt (person)|	Postcoordinated Expression	1
SNOMED CT	736808007 |Education for intrauterine system contraception (procedure)|	Intrauterine device	1
SNOMED CT	736809004 |Education for female condom (procedure)|	Female condom	1
SNOMED CT	736810009 |Education for spermicidal contraceptive (procedure)|	Spermicide alone	1
SNOMED CT	84dee3d7-2cf2-4d23-92d1-fef352cf6e83 |Education	Diaphragm with spermicide	1

System	Code	Display Text[a]	References[b]
	about diaphragm with spermicide (procedure)		
SNOMED CT	[409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[268464009 |Depot contraception (finding)]	Progesterone shot	1
SNOMED CT	[409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[413116005 |Transdermal contraception (finding)]	Contraceptive ring, pill or patch	1
SNOMED CT	[409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[718701005 |Natural family planning method (regime/therapy)]	Natural family planning (e.g., lactational, amenorrhea, rhythm, calendar, or cervical mucus methods)	1
SNOMED CT	[409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[77543007 |Ligation of fallopian tube (procedure)]	Tubal ligation (female sterilization)	1
SNOMED CT	[409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[bc795a70-3a23-46d4-a627-d5a891f03c1b | Bilateral occlusion of fallopian tubes using intrafallopian implants (procedure)]	Tubal implant	1
SNOMED CT	[409073007 |Education (procedure)] ->(363702006 |Has focus (attribute))->[e6e70d12-6a1b-4c79-90d2-24a7ce9b9ccc |Contraception using drug-eluding contraceptive implant (finding)]	Progesterone implant	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[102947004 |High risk sexual behavior (finding)]	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))-	Post-coordinated Expression	1

System	Code	Display Text[a]	References[b]
	>[105726004 |Age AND/ OR growth finding (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-63744c77501a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))- >[110483000 |Tobacco user (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-63744c77501a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))- >[129103003	Endometriosis (disorder)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-63744c77501a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))- >[13746004 |Bipolar disorder (disorder)]	Bipolar Disorder	1
SNOMED CT	[a997cc03-3e99-40eb-833a-63744c77501a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))- >[15167005 |Alcohol abuse (disorder)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-63744c77501a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))- >[169530003 |Uses contraceptive sponge (finding)]	Contraceptive sponge	2
SNOMED CT	[a997cc03-3e99-40eb-833a-63744c77501a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))- >[169563005 |Pregnant - on history (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-63744c77501a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))- >[17369002 |Miscarriage (disorder)]	Spontaneous abortion	1
SNOMED CT	[a997cc03-3e99-40eb-833a-63744c77501a3 |Observation procedure (procedure)] ->(363702006	Elective abortion	1

System	Code	Display Text[a]	References[b]
	|Has focus (attribute))->[18391007 |Elective abortion (disorder)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-|Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[2145000 |Anal penetration (finding)]	6374c5750a3a Anal sex	1
SNOMED CT	[a997cc03-3e99-40eb-833a-|Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[225824003 |Victim of physical abuse (finding)]	6374cc7750a3a Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-|Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[225826001 |Victim of sexual abuse (finding)]	6374cc7750a3a Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-|Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[228453005 |Sexually active (finding)]	6374cc7750a3a Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-|Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[228479001 |Uses a female condom (finding)]	6374ce750a3a Female condom	2
SNOMED CT	[a997cc03-3e99-40eb-833a-|Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[229012002 |Vaginal penetration (finding)]	6374cf750a3a Vaginal sex	1
SNOMED CT	[a997cc03-3e99-40eb-833a-|Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[236886002	Hysterectomy (procedure)]	6374cc7750a3a Coordinated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-|Observation procedure (procedure)] ->(363702006 |Has focus (attribute))-	6374d0750a3a	1

System	Code	Display Text[a]	References[b]
	>[237364002 |Stillbirth (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[248152002 |Female (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[254837009 |Malignant neoplasm of breast (disorder)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[25da3735-6132-49d7-9cb5-98a41885c90b |Contraception using cervical cap (finding)]	Cervical cap	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[268464009 |Depot contraception (finding)]	Contraceptive shot	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[268466006 |Spermicidal contraception (finding)]	Spermicide	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[275813002 |Emergency contraception (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[276104006 |Home unsettled (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc7750a3 |Observation procedure (procedure)] ->(363702006	Vaginal delivery	1

System	Code	Display Text[a]	References[b]
	|Has focus (attribute))->[289259007 |Vaginal delivery (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c0751a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[302757007 |Regular periods (finding)]	6374c0751a3a Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c0751a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[312081001 |Intrauterine device contraception (finding)]	6374c0751a3a device	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c0751a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[32911000 |Homeless (finding)]	6374c0751a3a Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c0751a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[34801009 |Ectopic pregnancy (disorder)]	6374c0751a3a Ectopic pregnancy	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c0751a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[35489007 |Depressive disorder (disorder)]	6374c0751a3a Depression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c0751a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[363443007 |Malignant tumor of ovary (disorder)]	6374c0751a3a Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c0751a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[363510005 |Malignant tumor of large intestine (disorder)]	6374c0751a3a Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c0751a3a |Observation procedure	6374c0751a3a Coordinated Expression	1

System	Code	Display Text[a]	References[b]
	(procedure)] ->(363702006 |Has focus (attribute))->[371973000 |Malignant neoplasm of uterus (disorder)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[38341003 |Hypertensive disorder, systemic arterial (disorder)]	Coordinated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[405504bc-1098-47b6-9154-e87306e47d5b |Female sexual partner type (finding)]	6f74cc7750a3a	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[413116005 |Transdermal contraception (finding)]	Contraceptive patch	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[419916003 |Victim of emotional abuse (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[429098002	Thromboembolism of vein (disorder)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[43b09307-453c-488a-acba-bbf3a39534cb	Male sexual partner type (finding)]	6f74cc7750a3a	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure	Contraceptive ring	2

System	Code	Display Text[a]	References[b]
	(procedure)] ->(363702006 |Has focus (attribute))->[450850003 |Uses vaginal hormone releasing ring (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74b7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[450851004 |Uses contraceptive diaphragm (finding)]	Diaphragm	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[454411000124108	Wants to become pregnant (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[48694002 |Anxiety (finding)]	Anxiety	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[58214004	Schizophrenia (disorder)]	Schizophrenia	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[5935008 |Oral contraception (finding)]	Contraceptive pill	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[66214007 |Substance abuse (disorder)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6f74cc7750a3a |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[69840006 |Normal breast feeding (finding)]	Coordinated Expression	1

System	Code	Display Text[a]	References[b]
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c07c50a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[69878008 |Polycystic ovaries (disorder)]	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c07c50a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[704197006 |Admits alcohol use (finding)]	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c07c50a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[72366004 |Eating disorder (disorder)]	Eating Disorder	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c07c50a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[73211009 |Diabetes mellitus (disorder)]	Post-coordinated Expression	4
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c07c50a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[733461000 |Cocaine user (finding)]	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c07c50a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[73666000 |Oral-genital stimulation (finding)]	Oral sex	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c07c50a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[76498008 |Postmenopausal state (finding)]	Post-coordinated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c07c50a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[76876009 |Bilateral	Post-coordinated Expression	2

System	Code	Display Text[a]	References[b]
	oophorectomy (procedure)]		
SNOMED CT	[a997cc03-3e99-40eb-833a- |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[77543007 |Ligation of fallopian tube (procedure)]	Post-coordinated Expression	2
SNOMED CT	[a997cc03-3e99-40eb-833a- |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[80182007 |Irregular periods (finding)]	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[8098009 |Sexually transmitted infectious disease (disorder)]	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[95315005 |Uterine leiomyoma (disorder)]	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[95930005 |Victim of neglect (finding)]	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[b0549379-fc0b-45dc-8a84-befe666432f5 |Residence remote from medical facility (finding)]	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a- |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[cb5f0704-7565-417c-afa1-568d79063070		Post-coordinated	2

System	Code	Display Text[a]	References[b]
	Contraception using male condom (finding)]		
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c77501a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->[e6e70d12-6a1b-4c79-90d2-24a7ce9b9ccc |Contraception using drug-eluding contraceptive implant (finding)]	Contraceptive implant	2
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c77501a3 |Observation procedure (procedure)] ->(363702006 |Has focus (attribute))->d5d1c4f4-5d27-4e48-94b9-866c5c08f163 |Failure to conceive (finding)]	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c77501a3 |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[118185001 |Finding related to pregnancy (finding)]- ->(363714003 |Interprets (attribute))->[246211005 |Number of previous pregnancies (observable entity)];	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c77501a3 |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[365961006	Finding of sexual partners (finding)]- ->(363714003 |Interprets (attribute))->[228458001 |Number of sexual partners (observable entity)];	Coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374c77501a3 |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[373412001 |Finding related to menstrual cycle (finding)]- ->(363714003 |Interprets (attribute))->[161720007		Coordinated Expression	1

System	Code	Display Text[a]	References[b]
	Duration of menstrual flow (observable entity)];		
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc775bn3 |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[373412001 |Finding related to menstrual cycle (finding)]- ->(363714003 |Interprets (attribute))->[364310004 |Duration of menstrual cycle (observable entity)];	Post-coordinated Expression	1
SNOMED CT	[a997cc03-3e99-40eb-833a-6374cc775bn3 |Observation procedure (procedure)]- ->(363702006 |Has focus (attribute))->[373412001 |Finding related to menstrual cycle (finding)]- ->(363714003 |Interprets (attribute))->[398700009 |Age at menarche (observable entity)];	Post-coordinated Expression	1
SNOMED CT	caa5a477-3d9f-4d30-858a-9c1509ac8208 |Education about contraceptive ring (procedure)	Contraceptive ring, pill or patch	1
SNOMED CT	cfcca17d-affd-4db8-9ad7-d914a1fe566f |Education about contraceptive sponge (procedure)	Contraceptive sponge	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 15. Behavior Symbols

Table 15.1. 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 15.2. 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 15.3. 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 15.4. 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 15.5. 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 15.6. 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 15.7. 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] *Women's Health: Reproductive Health Clinical Content White Paper*

[CSD] *Women's Health: Reproductive Health Documentation Template Conceptual Structure Document*

[KVRpt] *Women's Health: Reproductive Health Documentation Template KNART Validation Report*

Supporting Evidence

[ACOG 2017] *American College of Obstetricians and Gynecologists Committee on Adolescent Health Care. Committee Opinion No 699: Adolescent Pregnancy, Contraception, and Sexual Activity. Obstet Gynecol. 2017;129(5):e142-e149* (link [https://doi.org/10.1097/AOG.0000000000002045])

[ACOG 2014] *American College of Obstetricians and Gynecologists. ACOG Committee Opinion no. 598: Committee on Adolescent Health Care: The initial reproductive health visit. 2014;123(5):1143-1147* (link [https://doi.org/10.1097/01.AOG.0000446826.46833.c0])

[Bayer 2002] *Bayer Pharma AG. Berlin. Essure: Permanent Birth Control. Germany: 2002.* (link [https://doi.org/10.1016/j.nwh.2017.07.006])

[NLM 2014] *U.S. National Library of Medicine. BREVICON- norethindrone and ethinyl estradiol; NORINYL-norethindrone and ethinyl estradiol; NORINYL- norethindrone and mestranol [Actavis Pharma, Inc.]. August 2014* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=aaaf32ea-045b-436c-b125-767f95f4cf0e])

[NLM 2017-1] *U.S. National Library of Medicine. IMPLANON- etonogestrel implant [Organon USA Inc.]. May 2017.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=50ed7e31-b9b7-4f0a-8e36-91ed5af86b81])

[NLM 2012-1] *U.S. National Library of Medicine. LUTERA- levonorgestrel and ethinyl estradiol [Watson Pharma, Inc.]. March 2012.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=435f565c-771d-44ff-88b7-4e089767c25f])

[NLM 2017-2] *U.S. National Library of Medicine. MEDROXYPROGESTERONE ACETATE- medroxyprogesterone acetate injection, suspension [Teva Parenteral Medicines, Inc.]. January 2017.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=d279981c-e9e4-4989-bafb-1e184a6d3dd2])

[NLM 2013-1] *U.S. National Library of Medicine. MIRENA- levonorgestrel intrauterine device [Bayer HealthCare Pharmaceuticals Inc.]. February 2013.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=92231d6f-f4d8-43b0-aa95-f7cec1cc18c5])

[NLM 2015-1] *U.S. National Library of Medicine. MONONESSA- norgestimate and ethinyl estradiol; TRINESSA- norgestimate and ethinyl estradiol [Actavis Pharma, Inc]. December 2015.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=704ba4ae-edd0-4298-a399-03a49f8411c7])

[NLM 2013-2] *U.S. National Library of Medicine. NECON 777- norethindrone and ethinyl estradiol [Watson Pharma Inc]. November 2013.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=db3b28a4-15d3-43e0-bb65-e625300c452c])

[NLM 2012-2] *U.S. National Library of Medicine. NOR QD- norethindrone tablet [Watson Pharma, Inc.]. June 2012.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=aa34bfca-06c3-4916-bb51-4bfbfc0ee371])

[NLM 2017-3] *U.S. National Library of Medicine. NUVARING- etonogestrel and ethinyl estradiol insert, extended release [Organon USA Inc.]. May 2017.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=017343fb-86c4-45ab-9c47-52cc5b9f3a02])

[NLM 2015-2] *U.S. National Library of Medicine. PARAGARD T 380A- copper intrauterine device [Teva Women's Health, Inc.]. August 2015.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=2b009ddb-378e-40d8-a8d8-00211f10e06c])

[NLM 2012-3] *U.S. National Library of Medicine. PLAN B - levonorgestrel tablet [Physicians Total Care, Inc.]. April 2012.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=fffebd01-3815-425f-8293-1ad909d0d0ab])

[NLM 2016-1] *U.S. National Library of Medicine. PLAN B ONE-STEP- levonorgestrel tablet [Teva Women's Health, Inc.]. May 2016.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=0ce3ccc4-23f2-4e0a-9650-856cf026c72c])

[NLM 2017-4] *U.S. National Library of Medicine. RECLIPSEN 28 DAY- desogestrel and ethinyl estradiol [Teva Pharmaceuticals USA, Inc.]. May 2017.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=a1e00bc6-7487-4057-9dcc-d0e2327d1d12])

[NLM 2016-2] *U.S. National Library of Medicine. SEASONIQUE- levonorgestrel / ethinyl estradiol and ethinyl estradiol [Teva Women's Health, Inc.]. November 2016.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=95e06935-8788-420c-b4a4-dc6ea339c7d0])

[NLM 2017-5] *U.S. National Library of Medicine. SKYLA- levonorgestrel intrauterine device [Bayer HealthCare Pharmaceuticals Inc.]. March 2017.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=9f44ff35-e052-49cd-a1c2-0bfd87d49309])

[NLM 2010] *U.S. National Library of Medicine. TRIVORA- levonogestrel and ethinyl estradiol [Watson Pharma, Inc.]. February 2010.* (link [https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=ae220f22-24b0-41a8-a10d-28839b300fe1])

[CDC 2017] *Center for Disease Control, US Medical Eligibility Criteria (US MEC) for Contraceptive Use. July 2017.* (link [https://www.cdc.gov/reproductivehealth/unintendedpregnancy/pdf/legal_summary-chart_english_final_tag508.pdf])

[Curtis 2016] *Curtis KM, Jatlaoui TC, Tepper NK, et al. U.S. Selected Practice Recommendations for Contraceptive Use, 2016. MMWR Recomm Rep 2016;65(No. RR-4):1–66.* (link [http://dx.doi.org/10.15585/mmwr.rr6504a1])

[Bellanca 2013] *Bellanca Helen K., Hunter Michele Stranger. ONE KEY QUESTION®: preventive reproductive health is part of high quality primary care. Contraceptive 88.1. 2013;:3-6* (link [https://doi.org/10.1016/j.contraception.2013.05.003])