DSIO RPC

November 27

Documentation 2013

Menu Context: DSIO GUI CONTEXT

RPC: DSIO PATIENT SEARCH

Return a list of patients for maternity care, thus only female patients will be returned.

TAG: PATIENT ROUTINE: DSIO1

RETURN VALUE TYPE: ARRAY

The input parameter can be:

- ; LIST ALL PATIENTS
- #\$^LASTNAME,FIRSTNAME^DIRECTION("",-1) FOR LISTING ALL PATIENTS
- ; FLG = DIRECTION -1 IS BACKWARDS
- ; KEY = "#\$^LASTNAME,FIRSTNAME^DIRECTION("",-1)^COUNT
- LAST NAME
- PARTIAL LAST NAME
- FULL NAME
- FULL SSN
- FIRST LETTER OF LAST NAME + LAST 4 OF SSN

INPUT PARAMETER: KEY PARAMETER TYPE: LITERAL REQUIRED: YES SEQUENCE NUMBER: 1

DESCRIPTION: KEY CAN BE:

- ; LIST ALL PATIENTS
- #\$^LASTNAME,FIRSTNAME^DIRECTION("",-1) FOR LISTING ALL PATIENTS
- ; FLG = DIRECTION -1 IS BACKWARDS
- ; KEY = "#\$^LASTNAME,FIRSTNAME^DIRECTION("",-1)^COUNT
- LAST NAME
- PARTIAL LAST NAME
- FULL NAME
- FULL SSN
- FIRST LETTER OF LAST NAME + LAST 4 OF SSN

RETURN PARAMETER DESCRIPTION:

DFN^LASTNAME,FIRSTNAME^SSN(LAST 4)^DATE OF BIRTH^VETERAN STATUS^LOCATION(WARD)^ROOM/BED^SERVICE CONNECTED^CURRENTLY TRACKING

CURRENTLY TRACKING:

1 for Yes, 0 for No or no tracking history for this patient.

If nothing is found:

RET(0)="-1^Patient not found."

Current Issues:

RPC: DSIO GET TRACKING

This RPC will return a list of all Tracking History Logs, all flagged logs for flagged patients or a patient, or all logs for a single patient.

TAG: TRCLIST ROUTINE: DSIO1

RETURN VALUE TYPE: GLOBAL ARRAY WORD WRAP ON: TRUE

INPUT PARAMETER: FLG PARAMETER TYPE: LITERAL REQUIRED: NO SEQUENCE NUMBER: 1

DESCRIPTION:

T: TRACKED, P: PENDING

INPUT PARAMETER: TYP SEQUENCE NUMBER: 1

DESCRIPTION:

ALL (literal)^Last Entry (if multiple lists) or null^Count or null (the value is 100 if null is passed)

F : For Currently Flagged Patients and their flagged logs

F# : For Currently Flagged logs for a Patient DFN : For all Log Entries of a single Patient

RETURN PARAMETER DESCRIPTION:

-1^ERROR MESSAGE

ID^DT OF TRACKING^DFN^LASTNAME,FIRSTNAME^USER^TRACKING TYPE^SOURCE^REASON|REASON|IDC^COMMENT

Flagged:

FID(FOR THE PATIENT LIST = FDFN)^DFN^LASTNAME,FIRSTNAME^LAST 4^DOB - Single Line FIDP^LAST PROGRESS NOTE* - Multi line possible FID^ID(FOR A LOG FOR THIS PATIENT)^LOG ENTRY - Single Line FID^IDC^COMMENT FOR THE LOG ENTRY - Multi line possible

Current Issues:

Progress Note not yet included

RPC: DSIO SET TRACKING STATUS

This RPC will change the tracking status of a patient if that status is different from the current status. Changing the status will create a tracking log and the log's source will be set to DASHBOARD. If a reason list and comment array is provided then they will be applied to the log.

TAG: REC ROUTINE: DSIO1

RETURN VALUE TYPE: SINGLE VALUE

INPUT PARAMETER: DFN PARAMETER TYPE: LITERAL REQUIRED: YES SEQUENCE NUMBER: 1

DESCRIPTION: PATIENT NUMBER

INPUT PARAMETER: RES PARAMETER TYPE: LITERAL

SEQUENCE NUMBER: 3

DESCRIPTION:

REASON in a caret delimited list - #^#^#

INPUT PARAMETER: COM PARAMETER TYPE: LIST

SEQUENCE NUMBER: 4

DESCRIPTION:

COMMENT ARRAY/LIST (lines of free text)

INPUT PARAMETER: STAT PARAMETER TYPE: LITERAL REQUIRED: YES SEQUENCE NUMBER: 2

DESCRIPTION:

TRACKING STATUS (0:NO,1:YES,2:FLAGGED)

RETURN PARAMETER DESCRIPTION:

-1^Error Message

1^Success

Current Issues:

RPC: DSIO SELECT LIST

This RPC will return user drop down lists, add or delete an entry.

INPUT PARAMETERS:

TYP: 'S' for Tracking Sources

TYP: 'R' or null for Tracking Reasons

LETTER^ENTRY^A: ADD AN ENTRY TO ONE OF THE ABOVE FILES

LETTER^ENTRY^D: DELETE AN ENTRY FROM ONE OF THE ABOVE FILES

Return Array:

========

Lines of free text

-1^Message (for a critical failure)

External RPCs

DG SENSITIVE RECORD ACCESS

Verify user is not accessing his/her own Patient file record if the Restrict Patient Record Access (#1201) field in the MAS parameters (#43) file is set to yes and the user does not hold the DG RECORD ACCESS security key. If parameter set to yes and user is not a key holder, a social security number must be defined in the New Person file for the user to access any Patient file record.

Determine if user accessing a sensitive record or an employee's record.

TAG: PTSEC ROUTINE: DGSEC4
RETURN VALUE TYPE: ARRAY AVAILABILITY: PUBLIC

INPUT PARAMETER: DFN PARAMETER TYPE: LITERAL REQUIRED: YES SEQUENCE NUMBER: 1

DESCRIPTION:

DFN = Patient (#2) file DFN.

INPUT PARAMETER: DGMSG PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 1 REQUIRED: NO

SEQUENCE NUMBER: 2

DESCRIPTION:

DGMSG = 1 - if message should be generated when a user's SSN is undefined

0 - message will not be generated If not defined, defaults to 1.

INPUT PARAMETER: DGOPT PARAMETER TYPE: LITERAL REQUIRED: NO SEQUENCE NUMBER: 3

DESCRIPTION:

Contains Option name^Menu text for DG Security Log update.

RETURN PARAMETER DESCRIPTION:

RESULT(1) =

- -1-RPC/API failed
 - o Required variable not defined
- 0-No display/action required
 - Not an employee, not sensitive or not accessing own Patient record
- 1-Display warning message
 - Sensitive inpatient or a DG SENSITIVITY key holder or Employee and DG SECURITY OFFICER key holder
- 2-Display warning message, require OK to continue and call
 - DG SENSITIVE RECORD BULLETIN RPC to update DG Security Log file and generate Sensitive Record Access mail message.
 - Sensitive not an inpatient and not a key holder or Employee/not a DG SECURITY
 OFFICER key holder

- 3-Access to record denied
 - o Accessing own Patient file record
- 4-Access to Patient file (#2) records denied
 - SSN not defined

RESULT(2-n) = error message or warning/Privacy Act message. Error and warning messages will begin in RESULT(2) array. The Privacy Act message is the longest message and will utilize RESULT(2)- RESULT(8).

If RESULT(1)=1, the DG Security Log file is updated.

If RESULT(1)=2, the user must acknowledge they want to access the restricted record and the application must call the DG SENSITIVE RECORD BULLETIN RPC to update the DG Security Log file and generate the Sensitive Record Access mail message.

DG SENSITIVE RECORD BULLETIN

This Remote Procedure Call (RPC) will add an entry to the DG SECURITY LOG (#38.1) file and/or generate the sensitive record access bulletin depending on the value in ACTION input parameter. If ACTION parameter not defined, defaults to update DG Security Log file and generate Sensitive Record Access mail message.

TAG: NOTICE ROUTINE: DGSEC4
RETURN VALUE TYPE: SINGLE VALUE AVAILABILITY: PUBLIC

INPUT PARAMETER: ACTION PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 1 REQUIRED: NO

SEQUENCE NUMBER: 3

DESCRIPTION:

ACTION = 1 - Set DG Security Log entry

2 - Generate Sensitive Record Access bulletin

3 - Both

INPUT PARAMETER: DFN PARAMETER TYPE: LITERAL REQUIRED: YES SEQUENCE NUMBER: 1

DESCRIPTION:

DFN = Patient (#2) file DFN

INPUT PARAMETER: DGOPT PARAMETER TYPE: LITERAL REQUIRED: NO SEQUENCE NUMBER: 2

DESCRIPTION:

DGOPT = Option Name^Menu test

If not defined, OP^XQCHK identifies option or defaults to UNKNOWN.

RETURN PARAMETER DESCRIPTION:

RESULT= 1 - successfully added entry and/or generated sensitive record access bulletin

0 - unsuccessful

CPRS and DG SENSITIVE RECORD...

It's also working with Notifications (Alerts) but this is just how CPRS is doing it and should just be used as a reference. The main point is that the Patient Search is going to return values of Sensitive*, if these patients are selected then the user needs to be checked to see if they are allowed to access the record and if required, have the event logged.

```
DGSR_FAIL = -1;
DGSR_NONE = 0;
DGSR_SHOW = 1;
DGSR_SHOW = 1;
DGSR_ASK = 2;
DGSR_DENY = 3;
TX_DGSR_YESNO = CRLF + 'Do you want to continue processing this patient record?';
TC_NEXT_NOTIF = 'NEXT NOTIFICATION: ';
```

```
CheckSensitiveRecordAccess

CallV('DG SENSITIVE RECORD ACCESS', [DFN]);

AccessStatus := -1;

MessageText := ";

with RPCBrokerV do

begin

if Results.Count > 0 then

begin

AccessStatus := StrToIntDef(Results[0], -1);

Results.Delete(0);

if Results.Count > 0 then MessageText := Results.Text;

end;
end;
```

```
CheckSensitiveRecordAccess(NewDFN, AccessStatus, AMsg);
 case AccessStatus of
 DGSR_FAIL: begin
       InfoBox(PrefixT + TX_DGSR_ERR, PrefixC + TC_DGSR_ERR, MB_OK);
       Result := FALSE;
      end:
 DGSR NONE: { Nothing - allow access to the patient. };
 DGSR SHOW: InfoBox(PrefixT + AMsg, PrefixC + TC DGSR SHOW, MB OK);
 DGSR ASK: if InfoBox(PrefixT + AMsg + TX DGSR YESNO, PrefixC + TC DGSR SHOW, MB YESNO or
MB ICONWARNING or
       MB DEFBUTTON2) = IDYES then LogSensitiveRecordAccess(NewDFN)
      else Result := FALSE;
else
        begin
       InfoBox(PrefixT + AMsg, PrefixC + TC_DGSR_DENY, MB_OK);
       if Notifications. Active then Notifications. DeleteForCurrentUser;
       Result := FALSE;
      end;
 end;
```

Notifications (Alerts)

ORWORB FASTUSER

Function returns notifications for current user.

TAG: FASTUSER ROUTINE: ORWORB
RETURN VALUE TYPE: GLOBAL ARRAY AVAILABILITY: RESTRICTED

WORD WRAP ON: TRUE

DESCRIPTION:

*Pieces are the same as the columns in CPRS

Info^Patient^Location^Urgency^Alert Date/Time^Message Text^Forwarded By/When^XQAID^Remove w/o process^Forwarding Comments

**XQAID is the identifier used to interact with this Alert with other RPC's.

Pieces not displayed

XQAID

Remove w/o process

Forwarding comments

FOR CPRS while LOOPing on the RPC Return List there is a difference for forwarded alerts:

```
if Piece(List[I], U, 1) <> 'Forwarded by: ' then
begin
   NewItem := IstvAlerts.Items.Add;
   NewItem.Caption := Piece(List[I], U, 1);
   for J := 2 to DelimCount(List[I], U) + 1 do
        NewItem.SubItems.Add(Piece(List[I], U, J));
   end
else   //this list item is forwarding information
begin
   NewItem.SubItems[5] := Piece(List[I], U, 2);
   Comment := Piece(List[I], U, 3);
   if Length(Comment) > 0 then NewItem.SubItems[8] := 'Fwd Comment: ' + Comment;
   end;
```

ORWORB GETSORT

Returns the method for sorting GUI alert display.

TAG: GETSORT ROUTINE: ORWORB

RETURN VALUE TYPE: SINGLE VALUE

This is just a return with the first piece as the sort method either as upper or lower case:

I, P, L, U, D, M, F (refers to column headers)

ORWORB SETSORT

Sets the GUI alert sort method for the user. This is set when a user clicks on the GUI alert columns to change the display sorting.

TAG: SETSORT ROUTINE: ORWORB

RETURN VALUE TYPE: SINGLE VALUE

Two input parameters: The sort column as letter (see above) and the direction as either "F" or "R"

(forward or reverse)

Returns a single value 1 OR 0

ORWORB GETDATA

Given an XQAID, return XQADATA for an alert.

TAG: GETDATA ROUTINE: ORWORB

RETURN VALUE TYPE: SINGLE VALUE

INPUT PARAMETER: XQAID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 60 REQUIRED: YES

SEQUENCE NUMBER: 1

ORB FORWARD ALERT

The rpc forwards an alert.

TAG: FWD ROUTINE: ORB31

RETURN VALUE TYPE: SINGLE VALUE AVAILABILITY: RESTRICTED

INPUT PARAMETER: XQAID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 255 REQUIRED: YES

SEQUENCE NUMBER: 1

DESCRIPTION:

The alert identifier used by the Kernel Alert utility to uniquely identify an alert/notification. For OE/RR

alerts, the format is: "OR,<dfn>,<notif ien>;<notif date.time>"

INPUT PARAMETER: RECIPIENT PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 64 REQUIRED: YES

SEQUENCE NUMBER: 2

DESCRIPTION:

DUZ (file 200 ien) of the person to receive the forwarded alert.

INPUT PARAMETER: TYPE PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

SEQUENCE NUMBER: 3

DESCRIPTION:

The type of message to be forwarded. "A" indicates an alert is to be forwarded.

INPUT PARAMETER: COMMENT PARAMETER TYPE: LITERAL MAXIMUM DATA LENGTH: 255 SEQUENCE NUMBER: 4

DESCRIPTION:

The comment (optional) to be forwarded with the alert.

ORB RENEW ALERT

This rpc renews an alert.

TAG: RENEW ROUTINE: ORB31

RETURN VALUE TYPE: SINGLE VALUE AVAILABILITY: RESTRICTED

INPUT PARAMETER: XQAID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 255 REQUIRED: YES

SEQUENCE NUMBER: 1

DESCRIPTION:

XQAID is the unique identifier used by Kernel Alerts to process and take actions on alerts.

ORB DELETE ALERT

This function deletes an alert.

TAG: DEL ROUTINE: ORB3FUP1
RETURN VALUE TYPE: SINGLE VALUE AVAILABILITY: RESTRICTED

INPUT PARAMETER: XQAID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 32 REQUIRED: YES

DESCRIPTION:

The alert identifier used by the Kernel Alert utility to uniquely identify an alert/notification. For OE/RR alerts, the format is: "OR,<dfn>,<notif ien>;<notif date.time>"

RETURN PARAMETER DESCRIPTION:

True or False for successful deletion or failure.

For CPRS it is used twice:

procedure DeleteAlert(XQAID: string);

//deletes an alert

begin

CallV('ORB DELETE ALERT',[XQAID]);

end:

procedure DeleteAlertForUser(XQAID: string);

//deletes an alert

begin

CallV('ORB DELETE ALERT',[XQAID, True]);

end:

TIU GET ALERT INFO

Given a TIU XQAID, return the patient and document type for the item being alerted.

TAG: GETALRT ROUTINE: TIUSRVR

RETURN VALUE TYPE: SINGLE VALUE

INPUT PARAMETER: XQAID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 60 REQUIRED: YES

DESCRIPTION:

The XQAID of the alert.

RETURN PARAMETER DESCRIPTION:

TIUDA^DFN^gui tab indicator

where

TIUDA is the document IEN in ^TIU(8925 DFN is the patient IEN gui tab indicator is an arbitrarily set constant based on the document type.

Progress Notes

TIU DOCUMENTS BY CONTEXT

Returns lists of TIU Documents that satisfy the following search criteria:

- 1 signed documents (all)
- 2 unsigned documents
- 3 uncosigned documents
- 4 signed documents/author
- 5 signed documents/date range

TAG: CONTEXT ROUTINE: TIUSRVLO

RETURN VALUE TYPE: GLOBAL ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: CLASS PARAMETER TYPE: LITERAL REQUIRED: YES SEQUENCE NUMBER: 1

DESCRIPTION:

This is a pointer to the Class of TIU DOCUMENTS which the user is interested in (e.g., 3 for PROGRESS

NOTES, 244 for DISCHARGE SUMMARIES, etc.).

INPUT PARAMETER: CONTEXT PARAMETER TYPE: LITERAL REQUIRED: YES SEQUENCE NUMBER: 2

DESCRIPTION:

This is an integer number which maps the context in which the user wishes the notes to be returned.

The mapping is as follows:

- 1 signed documents (all)
- 2 unsigned documents3 uncosigned documents
- 4 signed documents/author
- 5 signed documents/date range

INPUT PARAMETER: DFN PARAMETER TYPE: LITERAL

REQUIRED: YES DESCRIPTION:

Pointer to Patient File (#2).

INPUT PARAMETER: EARLY PARAMETER TYPE: LITERAL

REQUIRED: NO DESCRIPTION:

EARLY DATE/TIME in regular FileMan format for the inclusive lower bound on the search.

INPUT PARAMETER: LATE PARAMETER TYPE: LITERAL REQUIRED: NO SEQUENCE NUMBER: 5

DESCRIPTION:

LATE DATE/TIME in regular FileMan format for the inclusive upper bound on the search.

INPUT PARAMETER: PERSON PARAMETER TYPE: LITERAL REQUIRED: NO SEQUENCE NUMBER: 6

DESCRIPTION:

This is a pointer to the NEW PERSON FILE (#200) for the author of the documents to be retrieved.

INPUT PARAMETER: OCCLIM PARAMETER TYPE: LITERAL REQUIRED: NO SEQUENCE NUMBER: 7

DESCRIPTION:

This is the maximum number of documents to be retrieved in the current query.

INPUT PARAMETER: SEQUENCE PARAMETER TYPE: LITERAL REQUIRED: NO SEQUENCE NUMBER: 8

DESCRIPTION:

This is the sequence by reference date/time (A=ascending (OLDEST FIRST), D=descending (NEWEST

FIRST)) in which the user would like the list returned.

INPUT PARAMETER: SHOWADD PARAMETER TYPE: LITERAL REQUIRED: NO SEQUENCE NUMBER: 10

DESCRIPTION:

This BOOLEAN parameter determines whether addenda will be included in the return array, when their parent documents are identified by the search criteria, and vice versa. Also if SHOWADD is TRUE (1), the "+" at the beginning of the return text will be omitted (since it offers only redundant information).

INPUT PARAMETER: INCUND PARAMETER TYPE: LITERAL

REQUIRED: NO DESCRIPTION:

Optional Boolean parameter determines whether Undictated and Untranscribed documents should be returned along with Unsigned documents, when the CONTEXT is passed as 2.

RETURN PARAMETER DESCRIPTION:

The return array has elements with the following positional values:

IEN^TITLE^REFERENCE DATE/TIME (INT)^PATIENT NAME (LAST I/LAST 4)^AUTHOR (INT;EXT)^HOSPITAL LOCATION^SIGNATURE STATUS^Visit Date/Time^Discharge Date/time^Variable Pointer to Request (e.g., Consult)^# of Associated Images^Subject^Has Children^IEN of Parent Document

Example:

Params		
literal	3	CLASS
literal	1	CONTEXT
literal	441	DFN
literal	-1	EARLY
literal	-1	LATE
literal	0	DUZ
literal	122	MAX ENTRIES TO RETRIEVE (OCCLIM)
literal	D	DIRECTION (SEQUENCE)
literal	1	SHOWADD

TIU GET RECORD TEXT

This RPC will get the textual portion of a TIU Document Record.

TAG: TGET ROUTINE: TIUSRVR1

RETURN VALUE TYPE: GLOBAL ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: TIUDA PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 10 REQUIRED: YES

(The first piece of the list item for TIU DOCUMENTS BY CONTEXT (IEN).)

Clinical Reminders

ORQQPXRM REMINDERS APPLICABLE

Returns a list of clinical reminders due/applicable or not applicable to the patient.

ROUTINE: ORQQPXRM TAG: APPL

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: PATIENT ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

SEQUENCE NUMBER: 1

DESCRIPTION:

Patient identifier from the patient file [#2]

INPUT PARAMETER: HOSPITAL LOCATION PARAMETER TYPE: LITERAL MAXIMUM DATA LENGTH: 16 SEQUENCE NUMBER: 2

DESCRIPTION:

Patients location from HOSPITAL LOCATION [#44]. May be null.

RETURN PARAMETER DESCRIPTION:

List of reminders in format:

IEN^PRINT NAME^DUE DATE/TIME^LAST OCCURRENCE DATE/TIME^PRIORITY^DUE

DUE=0 - Applicable

DUE=1 - Due

ORQQPX REMINDERS LIST

Returns a list of clinical reminders.

ROUTINE: ORQQPX TAG: REMIND

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

INPUT PARAMETER: PATIENT ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Patient identifier (DFN) from patient file [#2].

RETURN PARAMETER DESCRIPTION:

List of patient clinical reminders in format:

IEN^PRINT NAME^DUE DATE/TIME^LAST OCCURRENCE DATE/TIME

ORQQPXRM REMINDER CATEGORIES

Returns list of all CPRS lookup categories and associated reminders

ROUTINE: ORQQPXRM TAG: CATEGORY

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: PATIENT ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

SEQUENCE NUMBER: 1

DESCRIPTION:

Patient Identifier from Patient file [#2]

INPUT PARAMETER: HOSPITAL LOCATION PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: NO

SEQUENCE NUMBER: 2

DESCRIPTION:

Patient's HOSPITAL LOCATION [#44]. May be null.

RETURN PARAMETER DESCRIPTION:

Returns array of categories and reminders based on CPRS lookup categories for this patient

service/location.

FORMAT OF OUTPUT

ARRAY(1)=identifier^type^name^parent identifier^reminder ien

ARRAY(2)=identifier^type^name^parent identifier^reminder ien

ORQQPXRM REMINDER DETAIL

Returns the details of a clinical reminder

ROUTINE: ORQQPXRM TAG: REMDET

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: PATIENT ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

SEQUENCE NUMBER: 1

DESCRIPTION:

Patient identifier from Patient file [#2]

INPUT PARAMETER: CLINICAL REMINDER ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

SEQUENCE NUMBER: 2

DESCRIPTION:

Clinical reminder (ien) from CLINICAL REMINDER DEFINITION file [#811.9]

RETURN PARAMETER DESCRIPTION:

Formatted details of the clinical reminder

ORQQPXRM REMINDER INQUIRY

Detailed description of reminder

ROUTINE: ORQQPXRM TAG: RES

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: CLINICAL REMINDER ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Clinical reminder (ien) from CLINICAL REMINDER DEFINITION file [#811.9]

RETURN PARAMETER DESCRIPTION:

Detailed description of clinical reminder as formatted text

FORMAT OF OUTPUT

ARRAY(1) = Display text line 1 ARRAY(2) = Display text line 2

ARRAY(3) = etc

ORQQPX REMINDER DETAIL

Returns the details of a clinical reminder.

ROUTINE: ORQQPX TAG: REMDET

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: PATIENT ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Patient identifier from Patient file [#2].

INPUT PARAMETER: CLINICAL REMINDER ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Clinical reminder identifier (ien) from PCE REMINDER/MAINTENANCE ITEM file [#811.9].

RETURN PARAMETER DESCRIPTION:

Formatted details of the clinical reminder.

ORQQPXRM EDUCATION TOPIC

Detailed description of education topic

ROUTINE: ORQQPXRM TAG: EDU

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: EDUCATION TOPIC ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Education topic (ien) from EDUCATION TOPIC file [#9999999.09]

RETURN PARAMETER DESCRIPTION:

Detailed description of education topic as formatted text

FORMAT OF OUTPUT

ARRAY(1) = Display text line 1 ARRAY(2) = Display text line 2

ARRAY(3) = etc

ORQQPXRM REMINDER EVALUATION

Allows evaluation of a list of reminders. Returns a list of clinical reminders due/applicable or not applicable to the patient.

ROUTINE: ORQQPXRM TAG: ALIST

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: PATIENT ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

SEQUENCE NUMBER: 1

DESCRIPTION:

Patient identifier from the patient file [#2]

INPUT PARAMETER: REMINDER ARRAY PARAMETER TYPE: LIST

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

SEQUENCE NUMBER: 2

DESCRIPTION:

List of reminders in format:

array(1) = reminder ien1 (from #811.9)

array(2) = reminder ien2

etc

RETURN PARAMETER DESCRIPTION:

List of reminders in format:

IEN^PRINT NAME^DUE DATE/TIME^LAST OCCURRENCE DATE/TIME^PRIORITY^DUE

DUE=0 - Applicable

DUE=1 - Due

DUE=2 - Not Applicable

ORQQPXRM EDUCATION SUMMARY

Returns list of education topics for a reminder

ROUTINE: ORQQPXRM TAG: EDL

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: CLINICAL REMINDER ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Clinical reminder (ien) from CLINICAL REMINDER DEFINITION file [#811.9]

RETURN PARAMETER DESCRIPTION:

List of education topics for this reminder in format

ORQQPXRM EDUCATION SUBTOPICS

Returns array of subtopics for any given education topic

ROUTINE: ORQQPXRM TAG: EDS

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: EDUCATION TOPIC ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Education topic (ien) from EDUCATION TOPIC file [#9999999.09]

RETURN PARAMETER DESCRIPTION:

FORMAT OF OUTPUT

ARRAY(1) = ien^name^print name^sequence number ARRAY(2) = ien^name^print name^sequence number

ORQQPXRM REMINDER WEB

Web addresses for selected reminder

ROUTINE: ORQQPXRM TAG: WEB

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: CLINICAL REMINDER ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Clinical reminder (ien) from CLINICAL REMINDER DEFINITION file [#811.9]

RETURN PARAMETER DESCRIPTION: Formatted list of web addresses

description^address

E.G.

ARRAY(0)=4

ARRAY(1)=Influenza Directive^http://www.va.gov/publ/direct/194026.htm ARRAY(2)=Medical Home Pages^http://www.va.gov/bookmark/Medhome.htm ARRAY(3)=National Guideline Clearinghouse^http://www.guideline.com ARRAY(4)=VISN01 Web Page^http://vaww.visn1.med.va.gov

ORQQPXRM REMINDER DIALOG

Dialog for a given reminder

ROUTINE: ORQQPXRM TAG: DIALOG

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: CLINICAL REMINDER ID PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Clinical reminder (ien) from CLINICAL REMINDER DEFINITION file [#811.9]

RETURN PARAMETER DESCRIPTION:

For each dialog item in the reminder dialog for the reminder:

1) Initial states

1^dialog item ien[#801.41]^dialog ien [#801.412]^^^^

2) Question text

2^dialog item ien[#801.41]^dialog ien [#801.412]^text

ORQQPXRM DIALOG PROMPTS

Additional prompts for a given dialog element

ROUTINE: ORQQPXRM TAG: PROMPT

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: DIALOG ELEMENT IEN PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

SEQUENCE NUMBER: 1

DESCRIPTION:

Reminder dialog element identifier (ien) from REMINDER DIALOG file [#801.41]

INPUT PARAMETER: CURRENT/HISTORICAL PARAMETER TYPE: LITERAL MAXIMUM DATA LENGTH: 16 SEQUENCE NUMBER: 2

DESCRIPTION:

Used only for taxonomy dialogs.

0 - Current Diagnosis/Procedure1 - Historical Diagnosis/Procedure

INPUT PARAMETER: DIALOG LINE CPT/POV PARAMETER TYPE: LITERAL MAXIMUM DATA LENGTH: 3 SEQUENCE NUMBER: 3

DESCRIPTION:

For taxonomy dialog the type of finding (POV/CPT) for this dialog line

RETURN PARAMETER DESCRIPTION:

For a selected dialog element

3) Resolutions

3^dialog item ien[#801.41]^line id^resolution type code^ien[#various]

4) Additional prompts

4^dialog item ien[#801.41]^line id^prompt text

5) Listbox items (cpt/pov)

5^dialog item ien[#801.41]^line id^cpt/pov ien^code/desc

ORQQPXRM DIALOG ACTIVE

For a list of reminders [#811.9] returns same list with status to indicate if an active dialog exists for the reminder.

ROUTINE: ORQQPXRM TAG: ACTIVE RETURN VALUE TYPE: ARRAY

AVAILABILITY: SUBSCRIPTION WORD WRAP ON: TRUE

INPUT PARAMETER: CLINICAL REMINDER IEN PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

DESCRIPTION:

Array of clinical reminder iens [#811.9] to be checked.

RETURN PARAMETER DESCRIPTION: Array of clinical reminders in format

ORY(1)=Reminder_U_Status ORY(2)=Reminder_U_Status

Where status:

0 - No active dialog

1 - Active dialog

ORQQPXRM PROGRESS NOTE HEADER

Returns header text to be inserted in each progress note.

ROUTINE: ORQQPXRM TAG: HDR

RETURN VALUE TYPE: SINGLE VALUE AVAILABILITY: SUBSCRIPTION

WORD WRAP ON: TRUE

INPUT PARAMETER: HOSPITAL LOCATION PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16

DESCRIPTION:

Patients location from HOSPITAL LOCATION [#44]. May be null.

RETURN PARAMETER DESCRIPTION: Returns text for progress note header

ARRAY(1)=text

ORQQPX NEW REMINDERS ACTIVE

Return 1 if Interactive Reminders are active, otherwise return 0.

ROUTINE: ORQQPX TAG: NEWACTIV

RETURN VALUE TYPE: SINGLE VALUE AVAILABILITY: RESTRICTED

WORD WRAP ON: TRUE

PXRM REMINDER DIALOG (TIU)

Dialog for a given dialog ien.

ROUTINE: ORQQPXRM TAG: TDIALOG

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION

INPUT PARAMETER: DIALOG IEN PARAMETER TYPE: LITERAL

MAXIMUM DATA LENGTH: 16 REQUIRED: YES

SEQUENCE NUMBER: 1

DESCRIPTION:

Reminder Dialog ien from #801.41

RETURN PARAMETER DESCRIPTION:

For each dialog element/group in the reminder dialog:

1) Initial states

1^dialog item ien[#801.41]^dialog ien [#801.412]^^^^

2) Question text

2^dialog item ien[#801.41]^dialog ien [#801.412]^text

PXRM REMINDERS AND CATEGORIES

Returns list of reminders and categories.

ROUTINE: PXRMRPCD TAG: SEL

RETURN VALUE TYPE: ARRAY AVAILABILITY: SUBSCRIPTION