ONCOLOGY Version 2.2

TECHNICAL MANUAL AND PACKAGE SECURITY GUIDE

JUNE 2014

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Office of Information and Technology (OI&T)
Enterprise Program Management Office

Revision History

Date	Document Revision- Page	Description	Author
Sept 2017	[File Descriptions](#), [Routines,](#)	ONCOLOGY STAGED BY CODES (#165.7) added to Files Section, Package Default Definition, and File Security. Added information about upgrading NAACCR Versions in Appendix A. ROUTINES updated to include current ONC ROUTINES.	Richard Knoepfle

Contents

Introduction

The VA Automated Tumor Registry for Oncology is written in standard M and VA FileMan. This package has four unique files: the Site-Group for Oncology file, the AJCC Staging Groups file, and the ICDO Topography, and ICDO Morphology files. These files are tied together to create site-specific topography, morphology, and extent of disease coding as defined in the Surveillance, Epidemiology, and End Results Reporting (SEER) Program, the American College of Surgeons (ACOS) cancer-directed codes, and the conventions of the AJCC TNM coding schemes. Once a general site group is selected, all related relevant codes are available as on-line help to the user, reducing the possibility of coding errors.

Additional features include automatic case finding that identifies patients diagnosed with malignancies and the ability to document follow-up (required annually by the ACOS) and track delinquent follow-up cases.

Users may generate a number of reports for running the registry by using the Registry Lists, Annual Reports, and Statistical Reports modules.

Implementation and Maintenance

Implementation

Oncology Namespace

The namespace ONC is assigned to all menus and options of Tumor Registry. All Oncology routines and globals start with these characters.

All Oncology compiled template routines begin with the ONCO namespace, followed by the X*, Y*, and W* characters.

File Numbering

Oncology is assigned Files #160 through #160.99 and files #164 through #169.99.

Global

Oncology uses the ^ONCO global to store all files. Journaling is recommended on this global.

Routines

Routine mapping is not necessary for any Oncology routines.

Security Keys

There are no security keys used in the Oncology package.

Option Delegation

Give the Oncology Site Manager Menu [ONCO #SITE MANAGER MENU] to the IRM staff or package ADPAC.

Give the DHCP Tumor Registry menu [ONCO * TUMOR REGISTRY MENU] to Tumor Registry users.

Site Parameters

The Define Tumor Registry Parameters [ONCO UTIL-SITE PARAMETERS] option is located under the user's Utility Options [ONCO UTIL MENU] within the DHCP Tumor Registry menu [ONCO *TUMOR REGISTRY MENU]. The option can be populated by the Tumor Registrars. (See the user manual for details.)

Maintenance

Oncology Site Manager Menu

The Oncology Site Manager Menu option should be assigned to the IRM specialist responsible for Oncology. Below is a description of each of the menu's functions:

DHCP Tumor Registry [ONCO*TUMOR REGISTRY MENU]
This is the main menu of the Oncology Tumor Registry module. At present it has seven menu items consisting of the functions of the Tumor Registry. These are Suspense, Abstracting, Lists, Follow-up, Annual Reporting, Statistics, and Utilities.

Retrieve Internal Patient Pointers [ONCO #SITE-INTERNAL POINTERS]
This is a utility program to retrieve internal pointers for an entry in the Oncology Patient file (#160). Using the variable pointer in Oncology Patient and the backwards pointers in the Oncology Primary file (#165.5) to Oncology Patient, this option will repair all missing pointers upon selection of an entry in Oncology Patient.

Reindex Data Files (160, 165.5, 165) [ONCO #SITE-REINDEX DATA FILES]
This re-indexes all cross-references for Oncology data files (Oncology Patient #160, Oncology Contact #165, and Oncology Primary #165.5) with one selection.

Correct Next Follow-Up for Expired Patients [ONCO #SITE-FIX EXP PAT F/U]
This option searches all FOLLOW-UP multiples (#400) on the Oncology Patient file (#160) looking for expired patients. It then makes sure that the NEXT FOLLOW-UP METHOD sub-field (#6) is set to "9" (not followed).

Recompute AJCC TNM Staging [ONCO #SITE-RESTAGE PRIMARY]
This option is no longer available.

Purge Patient Records with No Suspense/Primaries [ONCO #SITE-PURGE SUSPENSE]
This option drives through the Oncology Patient file (#160) looking for records that have no suspense date and no associated primaries. Upon confirmation from the user, it deletes these records from the file.

Create a report to preview ACOS output [ONCO #SITE-CREATE ACOS REPORT]

This is a report which allows the tumor registrar to preview the contents of the specified accessions intended for output to the ACOS disk. This option is independent of the disk capture function but uses the precise database selection criteria. This option is also found under the Utility Options.

Report of assessions requiring additional input [ONCO #SITE ERROR REPORT]
This is a report for the tumor registrar to examine the specified accession of tumors for completeness in terms of ACOS required fields. Only accessions which have no data in the required field set will be listed with the fields which have the discrepency. This option is also found under the Utility Options.

Files

There are three (3) Oncology files which contain data relevant to the cancer patient: the Oncology Patient file (#160), the Oncology Primary file (#165.5), and the Oncology Contact file (#165). These are used extensively in the Annual and Statistical Reports menus.

> The Oncology Patient file is a variable pointer file, which points to both the VISTA Patient file (#2) and the Referral Patient file (#67) (for deceased patients). It contains data relative to the patient's demographics. The data does not change with each cancer. Fields that have ACOS specific codes, such as race, ethnicity, and place of birth, are converted and stored in this file. Patient history relevant to cancer (e.g., alcohol and tobacco, occupation, and family cancer history), as well as follow-up history, reside in this file.

> The Oncology Primary file, or "cancer-case" file, contains all of the cancer cases in the registry. There is a backwards pointer to the Oncology Patient file with a many-to-one relationship between cancers and patient. Data elements in this file uniquely define the tumor, the extent of disease, first course of treatment accorded, and all recurrence information. Pointers to the Oncology coding data files containing all codes pertinent to the definition of the tumor are widely used.

> The Oncology Contact file holds all patient contact information and is used in conjunction with the Follow-up Form Letter file and the Oncology Site Parameters file to produce professional quality letters on either a dot matrix or laser printer.

File Descriptions

File Name	Number	Description
ONCOLOGY PATIENT	160	Demographic and follow-up data concerning Oncology patients is stored in this file. (Tumor-related data is stored in the Primary file). Data is NOT exported with this file. The file is populated on site.
ONCOLOGY SITE PARAMETERS	160.1	This file contains fields unique to the facility. They are used in follow-up and enable ACOS reporting. Data is input at the facility by the user and should be the first file that is populated before any other data is collected.
TYPE OF RECURRENCE	160.12	This file contains types of recurrence. The term "recurrence" defines the return or reappearance of the cancer after a disease-free intermission or remission.

NON CANCER-DIRECTED SURGERY	160.14	This file contains surgical procedures that are performed to diagnose/stage disease (exploratory) or relieve symptoms (palliative).
ACOS STATE AT DIAGNOSIS	160.15	This file contains the states and Canadian provinces used for the patient's usual residence when the tumor was diagnosed and treated.
ONCOLOGY DATA EXTRACT FORMAT	160.16	This file contains the Oncology Data Extract Formats.
ONCOLOGY PCE EXTRACT FORMAT	160.17	This file contains the Oncology PCE Extract Formats.
FACILITY	160.19	This file contains 5000+ medical locations (American College of Surgeons identification number) nationwide.
FORMS/INSTRUCTIONS	160.2	This file contains forms used by the Tumor Registry as well as on-line instructions for procedures that must be followed such as making a disk for ACOS.
PRIMARY PAYOR AT DIAGNOSIS	160.3	This file contains the patients' primary payor/insurance carriers at the time of initial diagnosis and/or treatment. The file is populated at the site.
RECONSTRUCTIVE SURGERY	160.4	This file contains types of reconstructive surgery. Reconstructive surgery reconstructs, restores, or improves the shape and appearance or function of body structures that are missing, defective, damaged or misshapen by cancer or cancer-directed therapies. Reconstruction may be a part of the first course of therapy or may be done after the first course is completed.
SURGICAL APPROACH	160.6	This file contains surgical approaches. The data is used to record information on the increasing use of less invasive procedures. The data will make possible a comparative analysis of traditional and laparoscopic approaches.
ICDO TOPOGRAPHY	164	This file contains the Complete ICDO-2 Topography, with site specific coding for Extent

of Disease and AJCC Staging. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.

ICDO-SITES	164.08	This file contains the parent ICDO-2 Groups for the ICDO-2 Topography codes. It is pointed to by File #164, providing a simple list of code groups.
ICDO MORPHOLOGY ICDO-2	164.1	This file contains the World Health Organization's International Classification of Diseases-Oncology codes including /2's. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
ICDO SITE GROUPS FOR REPORTING	164.14	This file, pointed to by the ICDO-SITES file (#164.08), facilitates the production of the Annual Registry Summary Report. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
TUMOR MARKERS	164.15	This file contains the set of codes used by the *ACOS Commission on Cancer Data Acquisition Manual* to record the use of tumor markers in tracking neoplasms of the breast. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
KARNOFSKY'S RATING	164.17	This file lists the physical conditions of patients prior to the beginning of initial treatment using Karnofsky's Rating.
CHEMOTHERAPEUTIC DRUGS	164.18	Chemotherapeutic drugs as listed in SEER SELF-INSTRUCTIONAL MANUAL FOR TUMOR REGISTRARS Book 8 - ANTINEOPLASTIC DRUGS Third Edition
SITE-GROUP FOR ONCOLOGY	164.2	This file contains major site-groups for the Oncology package. It contains all the ACOS Site-Specific Surgery Codes. In addition, it also contains the SEER Extension and Lymph node coding - sharing that function with File #164. The "F" cross-reference of the TOPOGRAPHY field (#.01) of the TOPOGRAPHY multiple (#10) sets an index under ^ONCO(164.2,"F"). An index under ^ONCO(164.2,"G") is set by both the "G" cross-reference of the ICDO-1 TOPOGRAPHY

		field (#.02) of the TOPOGRAPHY multiple (#10), and by the "AC" cross-reference of the TOPOGRAPHY field (#.01) of the TOPOGRAPHY multiple (#10) of the ICDO-1 Site For Oncology file (#169.2).
OTHER STAGING FOR ONCOLOGY	164.3	This file contains other methods of staging for particular sites. Data comes with the file and will overwrite data in field.
AJCC STAGING GROUPS	164.33	This file contains the AJCC Staging Groups and the TNM coding schema. This file should not be modified.
COMMON CANCERS	164.4	This file contains a list of common cancers (data file).
PRIMARY CANCER STATUS CODE	164.42	This file contains a superset of the DAM Cancer Status Codes for use in identifying tumor status at follow-up on the Oncology Primary file (#165.5).The extended codes (4-7) help the registrar to record more completely the overall cancer status of an expired patient. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file. This file is referenced directly by routine ONCOCOFA.
GRADE	164.43	This file contains codes used to record the grade of tumor in the GRADE field (#24) of the Oncology Primary file (#165.5). This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
AJCC STAGE GROUP	164.45	This file contains transforms for converting AJCC stage data from internal to external format and vice versa. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file. This file is referenced directly by routine ONCOTNS.
RACE CODE FOR ONCOLOGY	164.46	This file contains codes used to record the patient's race in the RACE field (#8) of the Oncology Patient file (#160). The codes are derived from the ACOS Data Acquisition Manual. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.

PATIENT CANCER STATUS CODE	164.48	This file contains the codes used by the *ACOS Data Acquisition Manual* for identifying patient cancer status. This file comes with data, which overwrite the site's data. It is not recommended that sites modify this file.
SEER CODE SET	164.5	This file contains extension, lymph node, and surgery codes from the SEER Extent of Disease Codes and Coding Instructions. Each set of codes can be linked to code sets from future editions. This file is referenced directly by routines ONCODEL (for extension and lymph node codes) and ONCODSR (for surgery codes). This file comes with data, which overwrite the site's data. It is not advised that sites modify this file.
ONC CS METS AT DX	164.51	Identifies the distant site(s) of metastatic involvement at time of diagnosis.
ONC CS SITE-SPECIFIC FACTORS	164.52	Identifies additional information needed to generate stage, or prognostic factors that have an effect on stage or survival.
ONC CS EXTENSION	164.53	Identifies contiguous growth (extension) of the primary tumor within the organ of origin or its direct extension into neighboring organs.
ONC CS LYMPH NODES	164.55	Identifies the regional lymph nodes involved with cancer at the time of diagnosis.
TYPE OF STAGING SYSTEM (PEDIATRIC)	164.6	The Commission requires staging of pediatric patients using AJCC or the staging criteria of the pediatric intergroup studies and the pediatric cooperative groups.
RADIATION TREATMENT VOLUME	164.7	This file contains the radiation treatment volume codes.
RADIATION COMPLETION STATUS	164.8	This file contains radiation completion statuses.
WHO HISTOLOGICAL CLASSIFICATION	164.9	This file contains the WHO histological classification of tumor codes for

tumors of the brain and central nervous system.

ONCOLOGY CONTACT	165	This file contains Oncology contacts. It is populated by the user and, in some part, automatically by the Follow-up options. It is used only for patient follow-up.
FOLLOW-UP FORM LETTER	165.1	This file contains the form letters used for Oncology/Tumor Registry follow-up. These are linked by type to the Contact file.
GEOCODES	165.2	This file contains codes for states of the United States and foreign countries.
CLASS OF CASE	165.3	For a hospital registry, Class of Case divides cases into two groups. Analytic cases (codes 00-22) are those that are required by CoC (Commission on Cancer) to be abstracted because of the program's primary responsibility in managing the cancer. Analytic cases are grouped according to the location of diagnosis and treatment. Treatment and outcome reports may be limited to analytic cases. Nonanalytic cases (codes 30-49 and 99) may be abstracted by the facility to meet central registry requirements or because of a request by the facility's cancer program.
ONCOLOGY PRIMARY	165.5	Tumor-related data for Oncology patients is stored in this file. (Demographic and follow-up data is in the Oncology Patient file). This file is populated in the field by using the abstracting options.
CONVERSION FLAGS	165.55	Identifies the regional lymph nodes involved with cancer at the time of diagnosis.
COMPUTED PRIMARY	165.59	This file is tied to the Oncology Primary file (Dinumed to .01 field) and contains computed fields only. This can be used by IRM to add computed fields to the file for use in the statistical

options for cross-tabulation routines.

ONCOLOGY STAGED BY CODES	165.7	For a hospital registry, Primary Abstract cases need to record the person or group who assigned the clinical and pathologic staging items. This file contains the applicable numeric codes to use for recording the value for each case and the label (description) for each code.
ONCOLOGY SUBSITE	166.3	This file supports the 1996 Patient Care Evaluation of Soft Tissue Sarcoma.
HEMATOLOGIC TRANSPLANT/ENDOCRINE PROCEDURES	167	Identifies systemic therapeutic procedures administered as part of the first course of treatment at this and all other facilities. If none of these procedures were administered, then this item records the reason they were not performed. These include bone marrow transplants, stem cell harvests, surgical and/or radiation endocrine therapy. For further information see FORDS pages 182-183.
TYPE OF REPORTING SOURCE	168	This file is intended to assist the registrar in coding the source of documents used to abstract the cancer being reported.
ICDO-1 TOPOGRAPHY	169	This ICDO-1 Topography data file contains old ICDO codes version 1, 1976.
ICDO-1 SITES	169.08	This is the ICDO-Site file in use prior to Jan 1992, pointed to by the Topography file.
ICDO-1 MORPHOLOGY	169.1	The ICDO-1 Morphology file (version 1, 1976) is pointed to by File #164.1
ICDO-1 SITE FOR ONCOLOGY	169.2	Copy of old Site file needed to maintain pointer integrity. New file with data, but stripped of all coding schemes no longer necessary.
ICD-O-3 MORPHOLOGY	169.3	This file contains the International Classification of Diseases for Oncology, Third Edition (ICD-O-3) morphology codes and

code descriptions.

ONCOLOGY PACKAGE STATUS	169.99	This file allows the storage of the status of the package under control of the programmer: version installed, beginning and ending of the installation, with the generation of a mail-message to the installer, and supporting ISC the installation information.

Package Default Definition

FILE #	NAME	UP DATE DD	SEND SEC. CODE	DATA COMES W/FILE	SITE DATA	RSLV PTS	USER OVER RIDE
160	ONCOLOGY PATIENT	YES	YES	NO			
160.1	ONCOLOGY SITE PARAMETERS	YES	YES	NO			
160.12	TYPE OF RECURRENCE	YES	YES	YES	OVER	YES	NO
160.14	NON CANCER-DIRECTED SURGERY	YES	YES	YES	OVER	YES	NO
160.15	ACOS STATE AT DIAGNOSIS	YES	YES	YES	OVER	YES	NO
160.16	ONCOLOGY DATA EXTRACT FORMAT	YES	YES	YES	OVER	YES	NO
160.17	ONCOLOGY PCE EXTRACT FORMAT	YES	YES	YES	OVER	YES	NO
160.19	FACILITY	YES	YES	YES	OVER	YES	NO
160.2	FORMS/INSTRUCTIONS	YES	YES	YES	OVER	YES	NO
160.3	PRIMARY PAYOR AT DIAGNOSIS	YES	YES	YES	OVER	YES	NO
160.4	RECONSTRUCTIVE SURGERY	YES	YES	YES	OVER	YES	NO
160.6	SURGICAL APPROACH	YES	YES	YES	OVER	YES	NO
164	ICDO TOPOGRAPHY	YES	YES	YES	OVER	YES	NO
164.08	ICDO-SITES	YES	YES	YES	OVER	YES	NO
164.1	ICDO MORPHOLOGY	YES	YES	YES	OVER	YES	NO
164.14	ICDO SITE GROUPS FOR REPORTING	YES	YES	YES	OVER	YES	NO
164.15	TUMOR MARKERS	YES	YES	YES	OVER	YES	NO
164.17	KARNOFSKY'S RATING						
164.18	CHEMOTHERAPEUTIC DRUGS						
164.2	SITE-GROUP FOR ONCOLOGY	YES	YES	YES	OVER	YES	NO
164.3	OTHER STAGING FOR ONCOLOGY	YES	YES	YES	OVER	YES	NO
164.33	AJCC STAGING GROUPS	YES	YES	YES	OVER	YES	NO
164.4	COMMON CANCERS	YES	YES	YES	OVER	YES	NO
164.42	PRIMARY CANCER STATUS CODE	YES	YES	YES	OVER	YES	NO
164.43	GRADE	YES	YES	YES	OVER	YES	NO
164.45	AJCC STAGE GROUP	YES	YES	YES	OVER	YES	NO
164.46	RACE CODE FOR ONCOLOGY	YES	YES	YES	OVER	YES	NO
164.48	PATIENT CANCER STATUS CODE	YES	YES	YES	OVER	YES	NO
164.5	SEER CODE SET	YES	YES	YES	OVER	YES	NO
164.51	ONC CS METS AT DX						
164.52	ONC CS SITE-SPECIFIC FACTORS						
164.53	ONC CS EXTENSION						
164.55	ONC CS LYMPH NODES						
164.6	TYPE OF STAGING SYSTEM (PEDIATRIC)	YES	YES	YES	OVER	YES	NO
164.7	RADIATION TREATMENT VOLUME	YES	YES	YES	OVER	YES	NO
164.8	RADIATION COMPLETION STATUS	YES	YES	YES	OVER	YES	NO
164.9	WHO HISTOLOGICAL CLASSIFICATION						
165	ONCOLOGY CONTACT	YES	YES	NO			
165.1	FOLLOW-UP FORM LETTER	YES	YES	YES	OVER	YES	NO
165.2	GEOCODES	YES	YES	YES	OVER	YES	NO
165.3	CLASS OF CASE						
165.5	ONCOLOGY PRIMARY	YES	YES	NO			
165.55	CONVERSION FLAGS						
165.59	COMPUTED PRIMARY	YES	YES	NO			
165.7	ONCOLOGY STAGED BY CODES	YES	YES	YES	REPL	NO	NO
166	CASEFINDING SOURCE						
166.13	REGIONAL TREATMENT MODALITY	YES	YES	YES	OVER	YES	NO
166.3	ONCOLOGY SUBSITE	YES	YES	YES	OVER	YES	NO
167	HEMATOLOGIC TRANSPLANT/ ENDOCRINE PROCEDURES						
168	TYPE OF REPORTING SOURCE						
169	ICDO-1 TOPOGRAPHY	YES	YES	YES	OVER	YES	NO
169.08	ICDO-1 SITES	YES	YES	YES	OVER	YES	NO
169.1	ICDO-1 MORPHOLOGY	YES	YES	YES	OVER	YES	NO
169.2	ICDO-1 SITE FOR ONCOLOGY	YES	YES	YES	OVER	YES	NO
169.3	ICD-O-3 MORPHOLOGY						
169.99	ONCOLOGY PACKAGE STATUS	YES	YES	NO			

Routines

The user can get a listing of the routines by using the First Line Routine Print option located in the Routine Tools menu.

```
ONC2PS01   ONC2PS1A   ONCACD0    ONCACD1    ONCACDU1   ONCACDU2   ONCASCI    ONCATF
ONCATF1    ONCBPC0    ONCBPC1    ONCBPC2    ONCBPC3    ONCBPC4    ONCBPC4A   ONCBPC5
ONCBPC6    ONCBPC8    ONCBPC8A   ONCBRP0    ONCBRP1    ONCBRP2    ONCBRP3    ONCBRP4
ONCBRP5    ONCBRP5A   ONCBRP6    ONCBRP7    ONCBRP9    ONCBRP9A   ONCBRP9B   ONCCPC0
ONCCPC1    ONCCPC2    ONCCPC3    ONCCPC4    ONCCPC4A   ONCCPC5    ONCCPC6    ONCCPC7
ONCCPC9    ONCCPC9A   ONCCPC9B   ONCCS      ONCCS2     ONCCS3     ONCCSOT    ONCCSRS
ONCCSSTF   ONCCSV2    ONCCSV2A   ONCDTUTL   ONCDTX     ONCDTX1    ONCEDIT
ONCEDIT2
ONCEECA    ONCFUNC    ONCGENED   ONCGPC0    ONCGPC1    ONCGPC2    ONCGPC3    ONCGPC4
ONCGPC5    ONCGPC7    ONCGPC7A   ONCGPC7B   ONCHPC0    ONCHPC1    ONCHPC2
ONCHPC2A
ONCHPC3    ONCHPC4    ONCHPC4A   ONCHPC5    ONCHPC6    ONCHPC8    ONCHPC8A   ONCHTWT
ONCIPC0    ONCIPC1    ONCIPC2    ONCIPC2A   ONCIPC3    ONCIPC3A   ONCIPC3B
ONCIPC3C
ONCIPC4    ONCIPC5    ONCIPC6    ONCIPC8    ONCIPC8A   ONCIPC8B   ONCIPC8C   ONCLNG
ONCLNG1    ONCLPC0    ONCLPC1    ONCLPC2    ONCLPC3    ONCLPC4    ONCLPC5    ONCLPC6
ONCLPC7    ONCLPC9    ONCLPC9A   ONCLPC9B   ONCMPC0    ONCMPC1    ONCMPC2    ONCMPC3
ONCMPC4    ONCMPC4A   ONCMPC5    ONCMPC6    ONCMPC7    ONCMPC9    ONCMPC9A
ONCMPC9B
ONCMPH     ONCNPC0    ONCNPC1    ONCNPC2    ONCNPC3    ONCNPC4    ONCNPC4A   ONCNPC5
ONCNPC6    ONCNPC8    ONCNPC8A   ONCNPC8B   ONCNPI     ONCNTX     ONCNTX1    ONCOAI
ONCOAIC    ONCOAID    ONCOAIF    ONCOAIM    ONCOAIM2   ONCOAIP    ONCOAIP1
ONCOAIP2
ONCOAIQ    ONCOAIS    ONCOAIT    ONCOANC0   ONCOANC1   ONCOANC2   ONCOANC3
ONCOANC4
ONCOANC5   ONCOANC9   ONCOANCF   ONCOANCQ   ONCOAS     ONCOCC     ONCOCFL
ONCOCFL1
ONCOCFP    ONCOCFR    ONCOCKI    ONCOCOC    ONCOCOF    ONCOCOFA   ONCOCOM
ONCOCOML
ONCOCON    ONCOCOP    ONCOCOS    ONCOCRA    ONCOCRC    ONCOCRF    ONCOCRFA   ONCODEL
ONCODGR    ONCODIS    ONCODLF    ONCODSP    ONCODSP1   ONCODSR    ONCODXD    ONCOEDC
ONCOEDC1   ONCOENA    ONCOENV    ONCOES     ONCOFDP    ONCOFLF    ONCOFTS    ONCOFUL
ONCOFUM    ONCOFUP    ONCOGEN    ONCOHELP   ONCOHICD   ONCOIT     ONCOLRU    ONCOMNI
ONCOOT     ONCOPA1    ONCOPA1A   ONCOPA2    ONCOPA2A   ONCOPA3    ONCOPA3A   ONCOPAR
ONCOPCE    ONCOPFX    ONCOPMA    ONCOPMB    ONCOPMP    ONCOPRT    ONCOPRT1   ONCORF
ONCOSA     ONCOSA1    ONCOSC     ONCOSC1    ONCOSCF    ONCOSCG    ONCOSCOM   ONCOSCT
ONCOSCT0   ONCOSCT1   ONCOSCT2   ONCOSCT3   ONCOSINP   ONCOSO     ONCOSSA
ONCOSSA1
ONCOSSA2   ONCOSSA3   ONCOSSA4   ONCOSSAT   ONCOST     ONCOST1    ONCOSUR
ONCOSUR1
ONCOSUR2   ONCOTM     ONCOTN     ONCOTN0    ONCOTNE    ONCOTNM    ONCOTNM2
ONCOTNMA
ONCOTNMB   ONCOTNMC   ONCOTNMX   ONCOTNO    ONCOTNS    ONCOU      ONCOU0     ONCOU55
ONCOU55A   ONCOU55B   ONCOUK     ONCOUTC    ONCP2P0    ONCP2P1    ONCP2P2    ONCP2P3
ONCP2P4    ONCP2P4A   ONCP2P5    ONCP2P6    ONCP2P8    ONCP2P8A   ONCP2P8B   ONCPAT
ONCPAT1    ONCPCDX    ONCPCI     ONCPCS     ONCPDI     ONCPHC     ONCPL      ONCPM
ONCPMB     ONCPMC     ONCPML     ONCPMP     ONCPPC0    ONCPPC1    ONCPPC2    ONCPPC3
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ONCPPC4     ONCPPC5     ONCPPC6     ONCPPC7     ONCPPC9     ONCPPC9A    ONCPPC9B    ONCPSD
ONCPTX      ONCRESTG    ONCRFNR     ONCRPC      ONCRR       ONCSAPI     ONCSAPI1
ONCSAPI3
ONCSAPID    ONCSAPIE    ONCSAPIR    ONCSAPIS    ONCSAPIT    ONCSAPIU    ONCSAPIV
ONCSAPIX
ONCSED01    ONCSED02    ONCSED03    ONCSED04    ONCSEDEM    ONCSG0      ONCSG0A     ONCSG1
ONCSG1A     ONCSG2      ONCSG3      ONCSG4      ONCSG4A     ONCSG5      ONCSG5A
ONCSNACR
ONCSPC0     ONCSPC1     ONCSPC2     ONCSPC3     ONCSPC4     ONCSPC4A    ONCSPC5     ONCSPC6
ONCSPC8     ONCSPC8A    ONCSRV      ONCSRV01    ONCSRVRP    ONCSRVTM    ONCSSF1     ONCSSF2
ONCSSF25    ONCSSF3     ONCSSF4     ONCSSF5     ONCSSF6     ONCSTX      ONCSUBS     ONCSYMP
ONCTEXT     ONCTIME     ONCTNMC     ONCTPC0     ONCTPC1     ONCTPC2     ONCTPC3     ONCTPC4
ONCTPC5     ONCTPC6     ONCTPC8     ONCTPC8A    ONCTXSM     ONCUTX      ONCUTX1     ONCX
ONCX10      ONCX10A     ONCXDEM     ONCXERR     ONCXURL
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Exported Options

Site Manager Menu

DHCP Tumor Registry ...
       Casefinding/Suspense ...
       Abstracting/Printing ...
       Follow-up Functions ...
       Registry Lists ...
       Annual Reports ...
       Statistical Reports ...
       Utility Options ...
Retrieve Internal Patient Pointers
Reindex Data Files (160,165.5,165)
Correct Next Follow-Up for Expired Patients
Recompute AJCC TNM Staging
Purge Patient Records with No Suspense/Primaries
Create a report to preview ACOS output
Report of accessions requiring additional input

Archiving and Purging

Oncology/Cancer data should be retained on-line, in order to enable long term survival studies. Therefore, there are no provisions for purging this data. However, there is purging of Contact file entries for a deceased patient available to sites, to be used at their discretion.

Callable Routines

There are no callable routines for this package.

External Relations

Oncology requires VA FileMan V. 21 (or later) and VA Kernel V. 8.0 (or later) and points to the following files:

> Patient #2
> Institution #4
> County (#5.1)
> ZIP Code (#5.11)
> Referral Patient #67
> Topography Field #61
> Morphology Field #61.1
> Occupation Field #61.6
> Rad/Nuc Med Procedures #71
> ICD Diagnosis #80
> New Person (#200)

DBIA Subscriber Package Agreements

Obtain a list of agreements using the Print ACTIVE by Subscribing Package option on FORUM.

DBIA Custodial Package Agreements

There are no DBIA custodial package agreements.

Internal Relations

There are no options that cannot function independently.

Package-Wide Variables

There are no package-wide variables.

Software Product Security

Security Management

There are legal issues concerning the dispensing of data regarding veterans to the State and other requesting organizations. It is important for each site to be aware of the privacy laws.

No additional licenses are necessary to run the software.

Privacy Act Statement

In accordance with Office of Personnel Management and VA policies, this information is to be furnished for use only as authorized. It will not be reproduced or used for any other purpose. Any output must be secured in a storage system adequate to insure against disclosure to unauthorized parties. Disposal will be by burning, shredding, or other treatment to destroy their legibility.

Security Features

a. Mail groups and alerts.

   There are no mail groups or alerts used in this package.

b. Remote systems.

   The application does not transmit data to any remote system/facility database at this time.

c. Archiving/Purging.

   Oncology/Cancer data should be retained on-line, in order to enable long term survival studies. Therefore, there are no provisions for purging this data. However, there is purging of Contact file entries for a deceased patient available to sites, to be used at their discretion.

d. Contingency Planning.

   It is the responsibility of the using service to develop a local contingency plan to be used in the event of application problems.

e. Interfacing.

   No specialized (non VA) interfaces are used or required by the application.

f. Electronic signatures.

Electronic signatures are not used by the application.

g. Menus.

There are no options of special note for the Information Security Officers (ISO's) to view.

h. Security Keys.

There are no Security Keys in this application.

i. File Security.

NUMBER	NAME	GLOBAL NAME	DD ACC	RD ACC	WR ACC	DEL ACC	LAY ACC	AUD ACC
160	ONCOLOGY PATIENT	^ONCO(160,						
160.1	ONCOLOGY SITE PARAMETERS	^ONCO(160.1,						
160.12	TYPE OF RECURRENCE	^ONCO(160.12,	@	@	@	@	@	@
160.14	NON CANCER-DIRECTED SURGERY	^ONCO(160.14,	@	@	@	@	@	@
160.15	ACOS STATE AT DIAGNOSIS	^ONCO(160.15,	@	@	@	@	@	@
160.16	ONCOLOGY DATA EXTRACT FORMAT	^ONCO(160.16,	@	@	@	@	@	@
160.17	ONCOLOGY PCE EXTRACT FORMAT	^ONCO(160.17,	@	@	@	@	@	@
160.19	FACILITY	^ONCO(160.19,	@					@
160.2	FORMS/INSTRUCTIONS	^ONCO(160.2,						
160.3	PRIMARY PAYOR AT DIAGNOSIS	^ONCO(160.3,	@	@	@	@	@	@
160.4	RECONSTRUCTIVE SURGERY	^ONCO(160.4,	@	@	@	@	@	@
160.6	SURGICAL APPROACH	^ONCO(160.6,	@	@	@	@	@	
164	ICDO TOPOGRAPHY	^ONCO(164,						
164.08	ICDO-SITES	^ONCO(164.08,						
164.1	ICDO MORPHOLOGY	^ONCO(164.1,						
164.14	ICDO SITE GROUPS FOR REPORTING	^ONCO(164.14,	@	@	@	@	@	@
164.15	TUMOR MARKERS	^ONCO(164.15,	@	@	@	@	@	@
164.17	KARNOFSKY'S RATING	^ONCO(164.17,	@	@	@	@	@	@
164.18	CHEMOTHERAPEUTIC DRUGS	^ONCO(164.18,	@	@	@	@	@	@
164.2	SITE-GROUP FOR ONCOLOGY	^ONCO(164.2,						
164.3	OTHER STAGING FOR ONCOLOGY	^ONCO(164.3,						
164.33	AJCC STAGING GROUPS	^ONCO(164.33,						
164.4	COMMON CANCERS	^ONCO(164.4,						
164.42	PRIMARY CANCER STATUS CODE	^ONCO(164.42,	@					
164.43	GRADE	^ONCO(164.43,	@	@	@	@	@	@
164.45	AJCC STAGE GROUP	^ONCO(164.45,	@	@	@	@	@	@
164.46	RACE CODE FOR ONCOLOGY	^ONCO(164.46,	@	@	@	@	@	@
164.48	PATIENT CANCER STATUS CODE	^ONCO(164.48,	@	@	@	@	@	@
164.5	SEER CODE SET	^ONCO(164.5,	@	@	@	@	@	@
164.51	ONC CS METS AT DX	^ONCO(164.51,	@	@	@	@	@	@
164.52	ONC CS SITE-SPECIFIC FACTORS	^ONCO(164.52,	@	@	@	@	@	@
164.53	ONC CS EXTENSION	^ONCO(164.53,	@	@	@	@	@	@
164.55	ONC CS LYMPH NODES	^ONCO(164.55,	@	@	@	@	@	@
164.6	TYPE OF STAGING SYSTEM (PEDIATRIC)	^ONCO(164.6,	@	@	@	@	@	@

```
164.7    RADIATION TREATMENT        ^ONCO(164.7,    @   @   @   @   @   @
         VOLUME
164.8    RADIATION COMPLETION       ^ONCO(164.8,    @   @   @   @   @   @
         STATUS
164.9    WHO HISTOLOGICAL           ^ONCO(164.9,    @   @   @   @   @   @
         CLASSIFICATION
165      ONCOLOGY CONTACT           ^ONCO(165,
165.1    FOLLOW-UP FORM LETTER      ^ONCO(165.1,
165.2    GEOCODES                   ^ONCO(165.2,
165.3    CLASS OF CASE              ^ONCO(165.3,    @   @   @   @   @   @
165.5    ONCOLOGY PRIMARY           ^ONCO(165.5,
165.55   CONVERSION FLAGS           ^ONCO(165.55,   @   @   @   @   @   @
165.59   COMPUTED PRIMARY           ^ONCO(165.59,   @   @   @   @   @   @
165.7    ONCOLOGY STAGED BY CODES   ^ONCO(165.7,
166      CASEFINDING SOURCE         ^ONCO(166,      @   @   @   @   @   @
166.13   REGIONAL TREATMENT         ^ONCO(166.13,   @   @   @   @   @   @
         MODALITY
166.3    ONCOLOGY SUBSITE           ^ONCO(166.3,    @   @   @   @   @   @
167      HEMATOLOGIC TRANSPLANT/    ^ONCO(167,      @       @   @   @   @
         ENDOCRINE PROCEDURES
168      TYPE OF REPORTING SOURCE   ^ONCO(168,      @   @   @   @   @   @
169      ICDO-1 TOPOGRAPHY          ^ONCO(169,
169.08   ICDO-1 SITES               ^ONCO(169.08,
169.1    ICDO-1 MORPHOLOGY          ^ONCO(169.1,
169.2    ICDO-1 SITE FOR ONCOLOGY   ^ONCO(169.2,
169.3    ICD-O-3 MORPHOLOGY         ^ONCO(169.3,    @   @   @   @   @   @
169.99   ONCOLOGY PACKAGE STATUS    ^ONCO(169.99,   @   @   @   @   @   @
```

j. References.

There are several reference materials used for this package:
1. Registry Operations and Data Standards (ROADS) Manual
2. AJCC Cancer Staging Manual
3. SEER Extent of Disease Codes and Coding Instructions
4. International Classification of Diseases for Oncology

k. Official Policies.

There are no special official policies for this package.

Appendix A – Upgrading NAACCR Versions

Whenever a new NAACCR Version is implemented, the following steps need to be taken:

1) Obtain an updated library file generated by the "Veterans Administration" user
2) Log into VHAWASCCAonc.v05.med.va.gov with administrator rights
3) Make a zip file of the full web server working folder and store in a safe location:
   a. (TEST):   D:\RockyMountain\wwwroot\OncoTrax_TEST\
   b. (PROD):   D:\RockyMountain\wwwroot\OncoTrax_PROD\
4) Install the new version definition file
   a. Delete the existing metafile.rmf file in the cgi-bin folder
      (D:\RockyMountain\wwwroot\OncoTrax_<ENV>\cgi_bin\ )
   b. Copy the new .rmf file into the folder above
   c. Make a copy of this file and rename to "metafile.rmf"
5) Restart the website

Glossary

Abstract	A summary of pertinent information about the patient, the cancer, the treatment, and outcome. To compile the essential data on a case.
Accession Register	An annual, sequential listing of all cases entered into the registry.
Accession number	A number unique to the patient which identifies the patient by the year diagnosed and in the order he was identified by the registry.
Accession Year	The year in which the patient was first seen at the reporting institution for the primary.
ACoS	American College of Surgeons.
ACoS number	A number assigned to facilities by the American College of Surgeons.
ADPAC	Designated individual responsible for user-level management and maintenance of an application package such as Oncology.
AJCC	American Joint Commission on Cancer.
Analytic case	A case which was diagnosed at your facility or cases in which all or part of the first course of therapy was given at your facility after your reference date.
Automatic case finding	The electronic capture of cases meeting the defined criteria.
BRM	Biological Response Modifier. This is a generic term given to all chemical or biological agents which alter the immune system or the defense mechanism.
Case finding	A systematic method of locating all eligible cases.
Central Registry Number	The registry number assigned by the state central registry where applicable.
Device	As used in this document, a printer or computer screen to which a display/report is sent.
ERA	Estrogen Receptor Assay is a tumor marker for breast cancer.
Gleason's Grade	A system for assigning differentiation scores to prostate tissue specimens. The higher the pattern score, the worse the prognosis.
ICD-O	International Classification of Diseases for Oncology.

| ICD-9 CM | International Classification of Diseases, Clinical Modification, 9th Revision. Used to code death information. |

ICD-9 CM | International Classification of Diseases, Clinical Modification, 9th Revision. Used to code death information.

Institution ID Number | The registry number assigned by the American College of Surgeons. It is used to define the registry in the ACoS Call for Data.

LTF | Lost to Follow-up. This condition occurs when no contact has been made in over 15 months.

Non-Analytic case | A case involving a patient who was diagnosed elsewhere and treated elsewhere, or was diagnosed and treated prior to the reference date at your facility. These patients are excluded from the survival statistics.

PRA | Progesterone Receptor Assay is a tumor marker for breast cancer.

Primary | Refers to a specific anatomical site with malignancy.

PTF | Patient Treatment File.

Reference date | Starting date after which all cases are entered into the registry. It is established as January 1 of a given year.

SEER | Surveillance, Epidemiology and End Results Program.

Sequence number | A number which relates to the independent primary malignancies that occur in the same individual.

State Hospital Number | The number assigned by the state to your medical center.

Template | A computerized filter created to screen information and later print the information in a specific format.

Tumor marker | Medical laboratory examinations of material that may be indicative of presence of malignancy.

VA FileMan | The VA file management program used to maintain, access, and manipulate data in a file.

Suspense, being in | Having a date in the Suspense Date field in the Oncology Patient file #160. Cases remain in suspense until they are accessioned for abstracting or manually deleted.