EXEMPTICAL OF THE MY ASTRA COMPARISON OF GAUGE ACTUAL AND THE THE MARKAGE MARK AND THE THE ASTRA COMPARISON OF ASTRA COMPARISON OF A ASTRA COMPARISON OF A ASTRA
IMPROVING DATA QUALITY
AUDITS, EDITS AND DATA QUALITY REPORTS
FCDS Webcast Series Steven Peace, BS, CTR December 13, 2012 Image: Steven Peace BS, CTR Image: Steven Peace BS, CTR December 13, 2012 Image: Steven Peace BS, CTR
American College of Surgeons



Continuing Education Hours

NCRA CEU #	Date(s)	Event	Spons or	CEU Hrs
2012-065	7/26/2012	FCDS Annual Conference, St Petersburg, FL	FCDS	9
2012-155	8/16/2012	FCDS Webcast Series: "What's New for 2012 and More - Annual Meeting Review"	FCDS	2
	1/8/2013	FCDS Webcast Series: "FCDS Learning Management System	FCDS	2
2012-157	10/18/2012	FCDS Webcast Series: "GYN Neoplasms-Background/Anatomy/Risk Factors/MPH Rules/CS02.04/SSF/Tx	FCDS	2
2012-158	12/13/2012	FCDS Webcast Series: "Improving Data Quality Using FCDS EDITS and Data Quality Reports"	FCDS	2
2012-159	1/17/2013	FCDS Webcast Series: "Pediatric Neoplasms Intro - Background/Anatomy/Risk Factors/MPH Rules/CSv02.04/SSF/Tx"	FCDS	2
2012-160	2/21/2013	FCDS Webcast Series: "Genitourinary Neoplasms - Background/Anatomy/Risk Factors/MPH Rules/CSv02.04/SSF/Tx"	FCDS	2
	"Pi	roposed" Spring Mini-Series - Pediatric Neoplasms		
	Pa	art I - Pediatric Brain and CNS Tumors		

Part II - Pediatric Myeloid and Lymphoid Neoplasms Part III - Pediatric Sarcoma

Presentation Outline

- National Data Collection Standards
- NPCR Program Standards
- FCDS Data Quality Program
- Data Quality Program Goals
- Data Quality Program Methods
 Data Quality Program Policy
- Data Quality Program Policy
- Data Quality Program Procedures
 Data Quality Program Audits
- Data Quality Program Reports
- FCDS Education and Training Program
- Current Coding and Data Quality Issues
- References and Resources
- Q&A



National Data Collection Standards

Vol I - Data Exchange Standards and Record Description

· Vol II - Data Standards and Data Dictionary



Vol III - Standards for Completeness, Quality, Analysis, and Management of Data

- · Vol IV NAACCR Standard Edits
- · Vol V Pathology Laboratory Electronic Reporting Standards

Registry Operations Guidelines and Standards in Development

Rule Makers for National Data Collection

CDC NPCR – FCDS Participates in NPCR
State and Central Registries – Covers 98% of US Population Data Acquisition Manual
ACoS Commission on Cancer - Hospitals
CoC approved hospital registries – Voluntary Program FORDS
NCI SEER Program
SEER Registries – Covers 28% of US Population – Selected Populations 26 percent of African Americans, 41 percent of Hispanics, 43 percent of American Indians and Alaska Natives, 54 percent of Asians, and 71 percent of Hawaiian/Pacific Islanders. SEER Regress Mound

NPCR Program Standards, 2012-2017

All funded programs must meet the following standards:

- Legislative Authority
- Administration
- Data Collection, Content, and Format
- Electronic Data Exchange
- Data Completeness/Timeliness/Quality
 Linkages
- Data Quality Assurance and Education
- · Data Use and Data Monitoring
- Data Submission
- Collaborative Relationships

NPCR Program Standards, 2012-2017

- Data being evaluated for the Advanced National Data Quality Standard (formerly known as the <u>12-Month Standard</u>), must meet the following data quality criteria:
 - Data are <u>90% complete</u> based on observed-to-expected cases as computed by CDC.
 - There is a 2 per 1,000 or fewer unresolved duplicate rate
- The maximum percent missing for critical data elements are:
 3% age
- 3% sex
- 5% race
- 3% county
- 97% pass a CDC-prescribed set of standard edits.

NPCR Program Standards, 2012-2017

 Data being evaluated for the National Data Quality Standard (formerly known as the <u>24-Month Standard</u>), must meet the following five data quality criteria:

- Data are <u>95% complete</u> based on observed-to-expected cases as computed by CDC.
- There are 3% or fewer death-certificate-only cases.
- There is a 1 per 1,000 or fewer unresolved duplicate rate.
- The maximum percent missing for critical data elements are:
 - 2% age
- 2% sex
- 3% race
- 2% county
- 99% pass a CDC-prescribed set of standard edits

NPCR Program Standards, 2012-2017

Data Quality Assurance and Education The central cancer registry has an overall program of quality assurance that is defined in the registry operations manual.

The quality assurance program consists of, but is not limited to.

- A designated certified tumor registrar (CTR) responsible for the quality assurance program.
- Quality assurance activities should be conducted by qualified experienced CTR(s) or CTR-eligible staff.
- At least once every 5 years, a combination of case-finding and reabstracting audits from a sampling of source documents are conducted for each hospital-based reporting facility, and may include external audits by CDC or SEER.
- Data consolidation procedures are performed according to the central cancer registry protocol and nationally accepted abstracting and coding standards as available.
- Audits of a routine sample of consolidated cases at the central cancer registry.
- Feedback is provided to reporting sources on data quality and completeness.

NPCR Program Standards, 2012-2017

- Data Quality Assurance and Education
 - The central cancer registry has an overall education program that is defined in the registry operations manual.
 - The education program consists of, but is not limited to:
 Training for central cancer registry staff <u>and</u> reporting sources to assure high quality data.
 - A designated education/training coordinator who is a qualified, experienced CTR.
 - Where feasible, the education/training coordinator may be regionallybased, such that CDC-NPCR applicants collaborate to identify one applicant to provide the education/training coordinator for activities to be carried out in the full region.

The FCDS Data Quality Program





Foundation - Communication/Education

- Technical Answers by Telephone or E-mail
- Email (E-Mail Blast for Urgent or Timely Information)
- · Email (Individual for questions or if you are having problems)
- · FCDS IDEA (QC Review, Edits/Corrections, Documentation)
- FCDS RECAP FCDS Internal Tool for Data Processing
- FCDS Monthly Memo now every-other month
- · FCDS Register FCDS' Quarterly Newsletter
- FCDS On-Line Abstractor Training Course
- FCDS Annual Meeting face-to-face
- FCDS Web Broadcasts



FCDS Data Quality Program - Goals

· Goals:

- Population-Based Reporting
- · Highest Quality Data Possible
- Confidentiality, Privacy, Data Security

Objectives:

- Improve Communications
- Improve Feedback Loop
- Improve Completeness
- Improve TimelinessImprove Data Quality
- Improve Data Quality
 Improve Usefulness
- Improve Reports
- Improve Reports
 Improve Education
- Improve Training



Focus

Quality

FCDS Data Quality Program - Goals

- · Establish, perform, manage Quality Improvement/Quality Control projects
- · Apply national and internal standards for data collection, aggregation, etc
- · Systematically measure performance against those standards
- · Develop measurement and evaluation tools
- · Assess outcomes and performance measures
- Develop quality enhancement strategies
- · Assess registry needs and satisfaction
- Monitor quality of data
- Provide education and training to improve data quality



FCDS Data Quality Program - Methods

- Florida Cancer Reporting Legislation
- · Florida Public Health Administration Rules
- FCDS Policy and Procedures (FCDS DAM) Internal Policy and Procedures



- External Policy and Procedures
 Monitoring Data Quality and Performance
- Quality Assurance / Quality Improvement Activities Monitor operations workflow and data quality and take action to improve future quality, maximizing correct reporting and characterizing the reporting process in measurable terms.
- Perform External Linkage to Improve Data
 - Obtain and/or validate data items by linking central cancer registry databases with clinical and non-clinical state and national databases Using death certificate data to add missing vital status and race Using claims data to complete first course of treatment data

FCDS Data Quality Program - Methods

- FCDS Policy
 FCDS Abstractor Code Requirement
 - FCDS EDITS Requirement
- Text Documentation Requirement Deadlines and IT Security
- FCDS Procedures
- FCDS IDEA Communication/Transmission
- FCDS Internal Data Processing Monitoring
- FORCES/CORRECTIONS/DELETIONS Patient and Tumor Linkage & Consolidation
- FCDS Monitoring / Audits Audits for Completeness
- Audits for Timeliness
- Audits for Accuracy
- FCDS Data Quality Reports
- Quarterly/Annual Status Reports Ad Hoc Reports
- Audit Results



FCDS Data Quality Program - Policy

Canonine			Official Internet Site	of the Florida Legis	dature
December 6, 2012	Search Statutes:	2012 💌		Search	
Home Senate House		Select Year:	2012 G o		
Citator Statutes, Constitution, & Laws of Florida	The 2012 Florida Stat	utes			
Florida Statutes Search Statutes Search Tips Florida Constitution	Title XXX PUBLIC HEALTH PUBL 381.0031 Epidemiologica	<u>Chap</u> IC HEALTH: G I research; rep	ter 381 ENERAL PROVISIONS ort of diseases of public	<u>View Entire C</u> c health significanc	<u>Chapter</u> :e to
Laws of Florida Legislative & Executive Branch Lobbyists Information Center Joint Legislative Committees &	 The department may com significance affecting people in F (2) Any practitioner licensed chiropractic medicine, naturopat chapter 395; or any laboratory licensed 	duct studies cor florida. in this state to hy, or veterinar rensed under ch	practice medicine, osteo y medicine; any hospital apter 483 that diagnoses	y of diseases of pub pathic medicine, licensed under part or suspects the exi	lic health
Other Entitles Historical Committees Legislative Employment Legistore Links	a disease of public health signifi (3) An animal control officer <u>379.3311</u> , or an animal disease la animal bite, diagnosis of disease having similar disease, symptom humans.	cance shall imm operating under aboratory opera in an animal, o s, or syndromes	ediately report the fact t r s. <u>828.27</u> , a wildlife off ting under s. <u>585.61</u> sha or suspicion of a grouping s that may indicate the p	o the Department o loer operating under Il report knowledge g or clustering of an resence of a threat	f Health. r s. of any imals to
Interpreter Services for the Hearing Impaired	(4) The department shall per determined by it to be a threat to furnish a copy of the list to the p	iodically issue a public health a ractitioners list	list of infectious or noni and therefore of significa ed in subsection (2). The	nfectious diseases ince to public health e list shall be based	and sha

FCDS Data Quality Program - Policy FCDS Abstractor Code – A National Model for QC

ongratulations!

FCDS Data Quality Program - Policy

FCDS Text Documentation Requirements

APPENDIX L FCDS TEXT DOCUMENTATION REQUIREMENTS

Test documentation is an essential component of a complete decisionic advantat and is heavily utilized in quality control, to validate data at time of FCDS and NPCR Audits, and for special studies. Test documentation is required to justify coded values and to supplement information not transmitted with coded values. FCDS recommends that abstractors print and post this document for easy reference. Adequate test is a duality indicators and will be mango rate of GC.

- Adequate text is a class quality indicator and will be major part of UC.
 Text documentation should always include the following components:
 Date()-include date() indexmons.
 Date()-include as much detail as possible -document treatment plan even if treatment is initiated as planed
 I include "relevant-to-this-person/cancer" information only -edit your text documentation
 D DO NOT REFAT.
 DD NOT INTERNATIONDANTON from section to section
 D D DO NOT REFAT.
 Date()-include date()-include isothand
 E finter "N(A" or "not available" when no information is available related to any specific text area.

FCDS Data Quality Program - Policy

FCDS Text Documentation Requirements

APPENDIX L FCDS TEXT DOCUMENTATION REQUIREMENTS						
Text Data Item Name NAACCR Item # Field Length	Text Documentation Source and Item Description FCDS Required Text Documentation Example:					
Text - Operative Report NAACCR Item #2560 Field Length = 1000	Enter text Information from supplied operative regords food disposite resettin, includinal bloops, include observations at urgene, humor claim, and attest of involvement of primary and extension languistical procedures, fueltity where procedure was areferend, type of unspiral procedure, detailed angeing fordings, downershation of reservation. The same statement of the same statement of the same statement of the same statement of the same statement of the same Examples 4712/12. Here yes right color section Prave Samo to have extensive disease in polylor (carcinometa) and fractions are aboutd					
DX Text - Pathology NAACCR Item #2570 Field Length - 1000	Enter test Indomession from ondraking and Nicopathology reports. Date of specimene sciences have been servicence examined, publishys accession & type of paperism, floor dispansis, comments, addenda, superimental information, Mandogo, Achanice Jore Jumes, tumme creations, humph andre (normadification), assess particular studies (<u>Samangi 27/311</u> (Price yu) – Path Ace 8. Returns: Final Dis adenses, <u>Assen</u> , act. to particule fat. 12/21 Jumph Andees, margin end, <u>Studio Linkin patholice</u> industrus, <u>aster scred</u> Mandogo, Mandog					
DX Text - Staging NAACCR Item #2600 Field Length = 1000	Catch Details of Collaborative Stage and other stage Information not already noticed in other total mars. Include genetic Information on Stage Extension On Prinary Tomer, Material Stage, etc. Organi worked by direct extensions, size of name, ration of mangins, user ad distant interactistic, special consideration for straging, overall stage, etc. Teat for 558 downeetasteen if not under Laba. <u>Roombig: 17310-17-28113 per persist</u> , datant meets in longing (RVPR neg. HRS neg by HC method					
RX Text - Surgery NAACCR Item #2610 Field Length = 1000	Enter text describing the surgical procedure(s) performed as part of 1 st course treatment. Treatment plan, dote surgery performed, type of procedure, facility where surgery was performed Example; 2/15/11 (Hosp syz) - rt breast mrm w/as in dissection					

FCDS Data Quality Program - Policy

FCDS EDITS Metafile and EDITS PASS Requirement

FCDS transitioned from an Oracle-based edits program written by FCDS contractors to the National Standard EDITS Metafile in September 2010.

Standard EDITS include Field-Item, Inter-Item and Intra-Item Edits

- Edits validate codes, crosscheck relationships between data items (male with prostate cancer) and checks for blank fields.
- The FCDS EDITS Metafile was created for Florida, specifically to accommodate the reporting of historical cases among other FCDS special coding requirements
- FCDS has also included edits in the metafile for common abstracting errors identified through re-abstracting audits.

FCDS Data Quality Program - Policy

· Deadlines and Data Monitoring Policy and Procedures

- · Confidentiality of Protected Health Information
- IT Security Policy and Procedures
- Patient Privacy and HIPAA

No Paper Policy

Other



FCDS Data Quality Program - Procedures

- FCDS EDITS Metafile
- FCDS Correction / FORCE / Delete
- FCDS QC Review of Every 25th Record Visual Editing
- Patient and Tumor Linkage and Consolidation Procedures
- FCDS Audit Findings Link Back to Education
- FCDS Data Use Link Back to Procedures





Standard Sources for EDITS

- NCI SEER
- CDC NPCR
- ACOS COC
- Other States
- Collaborative Stage
- FCDS for Florida-Specific
- NAACCR EDITS Working Group



NPCR

ajcc

FCDS EDITS Check For Conditions

- · Blank Field Checks Single Item Edit
- · Valid Code Checks Single Item Edit
- · Valid Date Checks Single Item Edit
- Inter-Field Edits Relationships Between Items
- Inter-Record Edits Relationships Between Cases
- CS Edits Core
- CS Edits Staging
- CS Edits SSFs
- Inter-Field CS and Other Item Edits (scope, surg)
- Link CS Stage and SSF Data to Treatment Plan





Total Edit Failures Over Time 78751 77932 64877 66141 64483 63899 58<u>57</u>0 2006 2007 2008 2009 2010 2011



Category	Error #	Warning	Force	Description
Age Edits	\$1	N	Y	Invalid I Morphology for patient over age 5 based on ICD-O-3
Age Edits	82	N	Y.	an Site for patient under age 15
Class of Case Edits	149	N	N	Class of Case equal 38 (autopsy only) or 49 (DCO) and Vital Status not equal 0 (dead)
Class of Case Edits	150	N	N	Class of Case equal 5 and all Rx not equal 00 or 0
Collaborative Staging Edits	1	N	N	There is missing data (blank field) or invalid characters exist in the data for this data item
Collaborative Staging Edits	287	N	N	If CS Extension is 950, CS Lymph Nodes cannot = 000 and CS Mets at DX cannot be 00
Dx Confirmation Code Edits	219	N	Y	ICD-O-3 Behavior 2 requires Dx Confirmation 1, 2, or 4
Grade Code Edits	204	N	N	Grade must = 6 for this ICD-O-3 Morph code
Grade Code Edits	834	N	N	Grade should be coded to Implied Grade for this histology
Grade Code Edits	841	N	N	Grade in
Invalid Codes Edits	10	N	N	not valid
Invalid Codes Edits	12	N	N	ICD-O-2 Morphology not valid
Invalid Codes Edits	102	N	N	Facility Code not valid
Probable Duplicate Edits	106	N	Y	Probable duplicate detected in master file
Sequence Edits	40	N	Y	Sequence greater than zero with IB-Defined primary site, IB-Defined Lymphoma, or IB-Defined Leukemia
Sex/Site Edits	11	N	N	Sex not valid with Site
Site Code Edits	52	N	N	Site equals C50.* and Morphology equals 8521
Site/Morphology Edits	190	N	Y	ICD-O-3 Morphology not valid with Site or not reportable to FCDS
SiteMorphology Edits	207	N	Y	ICD-O-3 morphology cannot equal 8521/3 when site = C50.*, Verify morphology code
Therapy and Date Edits	268	N	Y	Breast, Prostate - Iranspint/Endocr Surg Rx Date must be less than 365 days after Diagnosis Date
Therapy and Date Edits	269	N	Y	Transpins/Endocr Surg RX Date must be less than 240 days after Diagnosis
Warnings	00	Y	N	T.G. Other Rx is greater than 0 or less than 9
Warnings	359	Y		WARNING: Please verify this case is reportable. Check Sect. I of the FCDS DAM for reportability guidelines
Warnings	989	Y	N	WARNING: NPI Number Invalid or assigned after last registry update



FCDS and National EDITS - Coming Soon!

- Updates to SEER Site/Type Table
 - 2012 Hematopoitic and Lymphoid Neoplasm Site/Type
 - · 2013 ICD-O-3 Updates New Histology Codes and Site/Type General Updates to Site/Type Combinations
- Complex Inter-Field EDITS
- More Treatment EDITS
- More CS Core EDITS
- More SSF EDITS
- New Clinical Edit Checks
 - NCCN/ASCO Guidelines
 - NCDB Submission Edits
 - RQRS (Rapid Quality Reporting System)
 - CP3R (Cancer Program Practice Profile Reports)

Staying Current - FCDS EDITS

- · Understand FCDS EDIT and what each is designed to do
- · Review FCDS EDITS Messages make them more clear
- · Identify FCDS EDITS that are "FORCEABLE"
- Understand FCDS EDITS/CORRECTION/FORCE Process
- · Understand FCDS FC/QC responsibilities and expectations
 - External FCDS EDITS Metafile to be used by Registrars
 - Internal FCDS EDITS Metafile used by FCDS
- · FCDS Metafile Excel Sheet documenting changes

Registrar Interest in Learning How to Use Edit Writer



Staying Current - FCDS EDITS http://fcds.med.miami.edu/inc/downloads.shtml#fcdsdatafiles

What's New / Downloads

FCDS Data Files

- Independent Contractor List Comma separated text file) This list of independent contractors is provided as a courtery and should not be considered a complete list (as he list is updated only twice per year). Additionally, the Florida Cancer Data System makes not ecommendations about the individual's abilities or skills and takes no responsibility for the quality of their work. Thickins on the list is by request of the quality of their work. Thickins on the list is by request 2. Zin code. Floss Contry, Florida Cit/Name Verification file (comma segarated feed file). This can be used by abstracting vendors to lower the number of county/applicity errors for abstracts submitted to FCDS. The USES Zin-County/Address Lookup Page has the very latest zippcodes.
- Pipcodes Carrent List of FCDS Fold messages are a corms separated the This link downloads the latel FCDS Edit Messages with ForceWarming large. Softed by categoryeidet FCDSNAACCP EDITs Metallie Updated metalles with be the spage for new versions: 1.22CL Metallie, posted OBIC2012 1.25cm, Metallie changes

Staying Current - FCDS EDITS Metafile

Metafile Version	Modification Date	Edit	Edit Name	Comments
				vellow = new and changed edits
12.2C	09/04/12	1335	CS Extension, CS Tumor Size, Site, Hist ICDO3 (CS)	Edit modified to check CS SSF 3 (as well as CS Extension) for Prostate schema: If CS Extension = 950 and CS Site-Specific Factor 3 = 950, then CS Tumor Size must = 000.
12.2C	09/04/12	1337	CS Extension, SSF 1, MelanomaSkin Schema (FCDS)	Added: If CS Extension = 950, then CS Site-Specific Factor 1 must = 000.
12.2C	09/04/12	1336	CS Items, Type Reporting Source-DCO (FCDS)	Added 102 Sile-Specific Factor10: 588 or 999" to the edit description; edit logic is already correct description; edit logic is already correct for set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the for SET 2, added code 897 to codes already for SkinEyeld
12.2C	09/04/12	979 980	CS Lymph Nodes, MyelomaPlasmaCellDisorder (CS)	 Added to both edit sets; was accidentally left out of v12.2B edit sets
12.2C	09/04/12	1338	CS Lymph Nodes, Nodes Pos, MerkelCell Schemas(CS)	- Added to both edit sets
12.2C	09/04/12	1339	CS SSF 16, MerkelCell Schemas (CS)	Sequence of coll logic changed in condition #2: instead of checking # CS 55F 16 = 998, Bran Scope of Reg LN Surg must = 0 Scope of Regional LN Surg = 0, then CS 55F 16 must = 988 or 999 and regional nodes positive must = 98.
12.2C	09/04/12	1340	CS SSF 17, MerkelCell Schemas (CS)	Sequence of edit logic changed in condition #3 and additional codes added when checking CS SSF 17 for codes indicating nodes not assessed pathologically: instead of checking # CS SSF 17 = 030, 060, 000, 000, then Scope of Reg LV Surg must a – 0, the edit now checks # Scope of Regional LN Surg = 0, then CS SSF 17 must = 000, 020, 030, 050, 050, 060, 000, 99.

Master List(s) - FCDS EDITS

category	Enor code	revarming Plag	Porce Hag	Description
Age Edits	81	N	Y	Invalid Site and Morphology for patient over age 5 based on ICD-O-2
Age Edits	82	N	Y	Invalid Site for patient under age 15
Class of Case Edits	149	N	N	Class of Case equal 38 (autopsy only) or 49 (DCO) and Vital Status not equal 0 (dead)
Clarr of Caro Editr	520		N	If Class of Case equal 38 (autopsy only), then Date of Diagnosis and Date of Last Contact must be the same date.
Collaborative Stanler Editr	297	N	N	If CS Extension is 950, CS Lymph Noder, cannot = 000 and CS Metriat DX cannot be 00
Collaborative Staging Edits	288	N	N	I CS schema is not RaposiSarroma, MelanomaSkin, Conjunctiva, MelanomaConjunctiva, MelanomaChorold, Melanomairis, MelanomaSkin, Conjunctiva, MelanomaConjunctiva, Extension = SSO, then CS Tumor Size must = 000.
Grade Code Edits	1263	N	N	Unknown Primary Site (C809), Grade must = 9
Grade Code Edits	1300	N	N	Grade must = 5, 8, or 9 for this ICD-O-3 Morph code
Invalid Codes Edits	10	N	N	Site not valid
Invalid Codes Edits	14	N	N	Abstractor code not valid
Morphology Code Edits	839	N	Y	Histology is not valid
Morphology Code Edits	840	N	Y	Invalid Histology for in situ
Out of Range Edits	19	N	N	County Residence Current out of range (11-77, 88 or 90) or not numeric
Out of Range Edits	22	N	N	Hispanic Origin is out of range (0 through 7 or 9)
Probable Duplicate Edits	106	N	Y	Probable duplicate detected in master file
Sequence Edits	40	N	Y	Sequence greater than zero with III-Defined primary site, III-Defined Lymphoma, or III-Defined Leukemia
Sequence Edits	63	N	N	If Date of 1st Contact is less than 1981, Sequence Number-Hospital cannot = 00 or 60
Therapy and Date Edits	113	N	N	If Surgery Primary Site = 00 and Scope Reg LN Surg = 0 and Surg Oth/Reg/Dist = 0 then Surg Date mus equal 00000000
Therapy and Date Edits	119	N	N	If RX SummChemo = 00, 82, or 85-87 (chemo not given) then RX DateChemo must be blank and R3 DateChemo Flag field must = 11 (no chemo).
Warnings	60	Y	N	WARNING: Other Rx is greater than 0 or less than 9
Warnings	359	Y	N	WARNING: Please verify this case is reportable. Check Sect. I of the FCDS DAM for reportability guidelines

Corrections/Deletions/FORCES

All Cases Processed	Receipt Date 2010	% of Total Cases
Good	137,955	94.6%
Corrected	4,257	2.9%
Forced	2,466	1.6%
Deleted	1,124	0.7%
Total Processed	145,802	100%



Corrections/Deletions/FORCES

Cases Processed	Receipt Date 2011	% of Total Cases
Good	165,317	94.5%
Corrected	4,856	2.8%
Forced	3,274	1.9%
Deleted	1,476	0.8%
Total Processed	174,923	100%

FCDS Data Quality Program - Every 25th

FCDS QC Visual Review - Every 25th Record · 2012 Added All Male Breast and All Pediatric Neoplasms to QC Review

GOAL: Evaluate whether or not the case makes sense as coded or is something missing or unusual that edits would not catch. Does the case make sense as coded or is something missing or "off" with case as coded.

By selecting one of every 25th records received plus male breast and all pediatric cases, FCDS visually edits at least 5% of the total cases submitted each year. Other cases visually edited are cases being evaluated for FORCES, Corrections, Special Studies, and During Data Use (up to 10% of annual cases).

- The QC Abstract Review Process is a 3-step process fully automated.
- Step 1: initial review Step 2: Feedback toffrom the registrar with opportunity to defend coding Step 3: initial party mediation assesses the first reviewer's findings, the facility's comments, any recommended corrections, or feedback and come to a final determination on the case the mediators decision is final
- Records with discrepant data must be resolved by the reporting facility.

"Agree", "OK", "Done" are NOT Acceptable Responses to Inquiries

Visual Review – The Panoramic View

- · Are there many blank spaces?
- Is code 9 (unknown) used frequently?
- Are there other numeric red flags (.8, 88, 8)?
- · Are all dates in logical order?
- · Are text fields significantly different from coded field translations?
- · Is treatment appropriate for site and stage?
- · Is there logical progression from stage at initial diagnosis to recurrence and recurrence sites?
- · Does the abstract tell a complete story?

Visual Review – Demographic Items

- Surname Spanish origin
- Race Surname Place of birth
- Area code County
- Date of birth Date of diagnosis
- Sex Name
- Sex Primary site
- Age Occupation
- Age Marital status
- · Age Primary site and histology
- Address Place of diagnosis
- City -- County



Visual Review - Diagnosis Items

- Primary site code Text
- Histology code Text
- Site Laterality Histology
- Behavior Diagnostic confirmation
- Dx confirmation Histology > 8000
- · Are dates in logical sequence?
- · Is Dx date the earliest documented?
- · Class of case Facility referred to/from
- Dx date Place of diagnosis
- Site Type of admission
- Sequence no. Other primaries



Visual Review - Staging Items

clues

chas

- Stage Primary site
- · CS codes Procedures text
- CS Extension Summary stage cT / pT clues clues due
- CS Extension SSFs (by site)
- Age Pediatric stage
- CS Lymph Nodes Summary stage cN / pN
- CS Lymph Nodes SSFs (by site)
- Tumor size > 100
- Nodes pos/exam Surgery
- CS Mets at Dx Summary stage cM / pM
- Staging basis Dates of treatment

Visual Review – Treatment Items

- Planned first course listed?
- Treatment Primary site Stage
- Treatment code Procedure name
- Treatment Facility referred from/to
- Surgery Operative findings text
- Surgery Pathology text
- Date 1st surg Date most definitive surg
- Date most definitive surg Date surg discharge
- Surg prim site Margins
- Surg prim site Scope reg LN
- Surg prim site Reason no surg

Visual Review – Treatment Items

Surgery – Radiation – RT/surgery seq

Date RT start – Date RT end

- Location of RT Facility referred from/to
- RT treatment volume Reason no RT
- RT treatment volume Boost volume
- Systemic tx Primary site
- · Systemic tx date Chemo Hormone Immunotherapy
- Systemic tx date Date most definitive surgery Systemic/surgery sequence
- · Hematologic Transplant & Endocrine Procedure Primary site
- RT treatment volume Palliative care

Patient and Tumor Match, Link & Consolidate



BEST INFORMATION AVAILABLE FROM ALL SOURCES



clues (clues) clue

rlue

Patient and Tumor Match, Link & Consolidate



FCDS Data Quality Program - Audits

- · Introduction to FCDS Audits Topic Selection / Protocol
- · Audits to Assess Completeness
- Audits to Assess Timeliness
- Audits to Assess Accuracy
- Reconciliation Process
- External Audits
- Other



FCDS Data Quality Program - Audits

- Annual audits
- Completeness
 Timeliness
- Data Quality/Validation
-
- Targeted audits
- Identify extent of specific problems
 Identify individual data collector training needs
- Review and improve data quality in problem areas
- Random audits
 - · Validate central registry data for research purposes
 - · Identify unknown problem areas
 - · Identify general data collector training needs
 - · Review and improve data quality in unknown areas





FCDS Data Quality Program - Audits

Annual audits

- Data Validation and Feedback
- Includes All Florida Reporting Facilities
- Contractual Obligation DOH and NPCR · Re-Abstracting/Validation Audits on a 5-year cycle
- Targeted audits
 - High risk high volume
 - Major sites problem sites
 New staff

 - New software/conversions
 - High volume
 - History of problems
- Random audits
- All facilities
- All primary sites



FCDS Data Quality Program - Audits

Study/Audit Timeline

Protocol Template

- Introduction
- Purpose
- · Description of Study
- Sample size
- Study population Audit Notification
- Audit Procedures
- Resolution Procedures
- Analysis plan
- Feedback plan
- Recommendations
- **Protocol Review**



Audits to Assess Completeness



The NPCR-AERRO scope diagram shown above is a simple flow diagram that identifies hospital and central registry data sources in a ranked order, based on the quantity of useful data that are available and reported to the central cancer registry. hosp

Audits to Assess Completeness

The extent to which all required cases have been reported to FCDS. FCDS file completeness is assessed using:

- ACHA (covers 100% audit of all In-Patient and Out-Patient Visits)
- FAPTP Florida Association of Pediatric Tumor Programs
- Breast Cancer Early Detection Program Match
- Interstate Data Exchange
- Annual Death Clearance
- Field Casefinding Audits
- E-Path Matching
- Other Linkages
- NDI
- half-full or kalf-unpty? gar dicids. NPCR Requires FCDS to be 95% complete 24 months after close of dx year – from all report sources

NPCR Requires FCDS to be 90% complete 12 months after close of dx

year - from all report sources

Audits to Assess Completeness

Patient and Tumor Consolidation

- (aka: merging the "best" data from all available sources)
- Electronic edits, Visual Editing, Patient and Tumor Matching
- · Comparison of individual data and data items
- Records received are checked for duplicate reporting
- Multiple reports for same patient are merged to capture most complete demographic data
- Multiple reports for same patient are checked for new tumors (same vs. new primary)
- Multiple reports for the same tumor are merged to capture most complete diagnostic, staging and treatment data

Audits to Assess Completeness

AHCA Clearance and Casefinding Audit

- AHCA is the Agency for Health Care Administration with a primary function of tracking ALL patient encounters (diagnosis, treatment, billing, etc.) for nearly all healthcare facilities in the state of Florida
- ANNUAL Match the FCDS Master File to the Florida AHCA files for both inpatient and outpatient/ambulatory patient encounters. All Facilities.
- FCDS provides each reporting facility with a list of Unmatched AHCA Cases (bases that appear in the AHCA files but have no matching record in the FCDS Master File) and available in FCDS IDEA on the FCDS website.
- Facilities must explain why they did not report the case or must immediately abstract and submit the case to FCDS as a "late report".
- When missed cases are abstracted and submitted, they are classified as a "missed case" found as a result of the audit and counted as a "late report".

Audits to Assess Completeness

Death Clearance and Casefinding Audit

Many registrars do not recognize Annual Death Clearance as a casefinding audit, but it is. The Florida Bureau of Vital Statistics tracks every birth and death in the state of Florida and has for many years.

FCDS Conducts an ANNUAL matching of the entire FCDS Master File (3.5 million records) to the annual Vital Statistics Mortality File

Any "cancer-related" Florida deaths without a matched record in the FCDS Master File are followed back to the hospital or physician authorizing the VS report to determine why the facility/physician did not submit the case.

Facilities must explain why they did not report the case - or must immediately abstract and submit the case to FCDS as a "late report".

When missed cases are abstracted and submitted, they are classified as a "missed case" found as a result of the audit and counted as a "late report".

Audits to Assess Completeness

FAPTP Clearance and Casefinding Audit

Many registrars do not recognize this as an audit, but it is. The Florida Association of Pediatric Tumor Programs (FAPTP) captures data on pediatric tumors diagnosed and/or treated within their consortium of hospitals and cancer programs.

FCDS Conducts an ANNUAL matching of the entire FCDS Masterfile (3.5 million records) to the annual FAPTP File

Any records found not to match the FCDS Masterfile but having been seen in the facility are followed back to determine why they did not send the case.

Facilities must explain why they did not report the case – or must immediately abstract and submit the case to FCDS as a "late report".

When missed cases are abstracted and submitted, they are classified as a "missed case" found as a result of the audit and counted as a "late report".

Audits to Assess Completeness

On-Site Casefinding Audits

QC staff will periodically perform on-site review of casefinding procedures and casefinding sources within each facility. (Medical Records, e-path, clinics, other).

If any case is found to meet the cancer reporting requirements outlined in Section I, the case must be abstracted and reported to FCDS.

For any case found that does not meet the cancer reporting requirements outlined in Section I, an explanation must be submitted to FCDS detailing the reason it will not be reported.

Facilities must explain why they did not report the case - or must immediately abstract and submit the case to FCDS as a "late report".

When missed cases are abstracted and submitted, they are classified as a "missed case" found as a result of the audit and counted as a "late report".

FCDS will add matching and follow-back of e-path records to facility submissions in the future as an annual routine Casefinding Audit and will also be used for Data Validation comparing text-to-code assignments against the original e-path report.

Audits to Assess Timeliness

Timeliness is determined by measuring how long it takes from the time a patient walks through the door of your facility for a diagnosis to be made, treatment plan to be created and initiated, the case is abstracted, the case is uploaded to FCDS without error and more.

- Standard Set by NAACCR, CDC/NPCR, ACoS/CoC, FCDS:
 95% cases submitted within 6 months from date of service.
 - 100% of cases must be reported by June 30th.
- FCDS Annual June 30th Deadline
- FCDS Quarterly Status Reports
- Once-A-Year Submissions DO NOT Meet Reporting Requirements Monthly Reporting is preferred so you stay current
- Quarterly Reporting for Facilities with >500 cases/year

Audits to Assess Accuracy/Data Quality

The extent to which the data submitted has been correctly and consistently coded and reflects the clinical, diagnostic, descriptive, decisions for treatment planning, or other information contained in the medical record.

FCDS Abstractor Code Required for Each Abstractor

- · FCDS Abstractor Code Annual Renewal
- Policy for Data Submission
- Standard FCDS EDITS Metafile
- Text Documentation Requirements
- Case Corrections / Forces (Edit Override)
- · QC Visual Editing A 3-step Process
- Audits for Completeness
- Audits for Accuracy
- External Audits
- Data Use



Audits to Assess Accuracy/Data Quality

FCDS On-Site Validation/Re-abstracting Audits

- The FCDS Quality Control staff and/or outside contract agents working on behalf of FCDS perform on-site or remote access source record review of abstracting and coding by re-abstracting cases from original source paper or electronic medical records for cases previously submitted to FCDS.
- Re-abstracting/Validation Audits assess the consistency in interpretation, instruction and use of standard data definitions, coding rules and guidelines, reference resources, and policies and procedures; and serve to identify areas that may require further education and training
- Reconciliation of Re-abstracting Audit Inconsistencies between original data and audited data is an Important Component: Key data items are evaluated and any discrepancy noted between the auditor's findings and the original abstract findings are returned to the facility for reconciliation.
- <u>NEW for 2012</u> EMR Direct Access to Medical Records for audit and/or e-post of key electronic reports on FCDS IDEA (PDF, bt, doc, other formats) instead of on-site auditing of medical records for 2010 diagnosis.

External Audits

CDC NPCR Audits (Casefinding/Re-Abstracting/Consolidation)

- The CDC NPCR staff and/or outside contract agents working on behalf of NPCR perform on-site and/or remote review of FCDS Policy and Procedures Manuals, routine operations, standard FCDS EDITS, QC Review, Audits, and Record Consolidation operations and outcomes.
- The CDC NPCR staff and/or outside contract agents working on behalf of NPCR perform on-site and/or remote audits of sources records as well as consolidated FCDS Master File records by reviewing paper and/or electronic medical records, FCDS Master File records, and other available source records on cases previously submitted to FCDS.
- Reconciliation of differences between original data and audited data is an important component: Key data items are evaluated and any discrepancy noted between the auditor's findings and the original abstract findings or consolidation findings are returned to FCDS for reconciliation.
- New for 2012 Consolidation Outcomes Audit and Visual Editing Audit

FCDS Data Quality Program - Reports

MΥ

FCDS Upload EDIT Discrepancy Journal

- FCDS Quarterly Status Report
- FCDS Data Quality Indicator Report
- FCDS Re-Abstracting Study Report
- NPCR Data Quality Indicator Reports
- NAACCR Certification





FCDS Quarterly Status Report

Quarterly Cance	a Cancer Data System or Case Reporting Status R	eport
This Querteely Cancer Case Reporting State: R Amend Case Softmanness Summery: This repo and quelity of your data.	iquart is divided in two sections: a Quart of is used in a prediminary indicators of	ely Artvity Sunarry sol : the coopletence, taselane
Quarterly Activity Summary The Quently Activity Summery reflects the B specified stress	In activity and the cases submitted by y	ne facility for the tase perio
New Data Submitted: Total number of cases electronic Total number of good or Total number of forced s Offereng sublishes of the fit	ally releasined for this quarter (#1). Trace reporting to charges) (ROFL: (comprised case reporting to construct	orsides of sumdard data edi
Elle Activity: Total number of deleted cases: s neet the PCDS reporting reportment Total number of cases in the per- thic and any province parents and re	inees: delend due to deplicate record as to easie despinoed prior to the FCDS 2 office IBm: invose sheederload over no main in the pending file availing day i	lmission, cases dur de - n 162 reference data/ re standard data adre dara alderere/
Annual Case Submission Summary The Annual Case Summery reflects all case implayed to the count expering year. A Experind Complement Percentage to calculate	robusted by your facility for the pu year compactorialing current year do d.	t free years. The AFA years to) is the base from which th
Administra Tear Care Court	Average # Ca	an Reported +
2895		
2004	5.Com	ulate.for:
2003	Land	and York
2002	Arread	Equated
3001		
Name revorw this report in detail. If you have	any questions or would like additional is	ufernation place you're yn

FCDS Data Quality Indicator Report

Poride Cancer Data System (PCDS) is cl partment of Health and the CDC Nationa fornal cancer rates, reports to Compress, sonal Integratin of Cancer Registries (NIIC I PCDS Data Quality Indicator Report refl ssignment of "unknown", or "II-defined	Marged with pr I Program of C and various ca R) provides to ects 5 year co T values to key	oviding the ancer Reg noer surve Florida ar toperison i	e highest Istries (N illance e id each N	quality d PCR). De elated pu	ata availa ta must r	able in ar	inual cars	er sune	ance re	porting	to the Flo	rida
FCDS Data Quality Indicator Report refl assignment of "unknown" or "Ill-defined	ects 5 year cor Values to key	ngerison i		PCkstate	blications t as an as	. This re	port is a stan	caled do late-wide	be inclus ren modi e data.	led in los el of e sin	cal, region milar repo	sel, state, er art the CDC
		analysis s	lata as in wriables	sample is	elow sho course of	the five-	05-2009 0 ywar pieti	lagnosis od with o	Year det	a and ea	amines ti tional.	he frequenc
percent of "unknown" and "lik-defined data for each case reported and is used as where PCDS and local registries can in	Values in cert when compar mprove upon c	ain variab ing floride ancer rep	les is a d data to orting as	ata qualit other sta data are	y indicato tes for ov evelable	or used to verall dat	a rank Flo a reliabili	rida's ov ty. Thes	erall data e data arr	quality raiso ind	and corrig dicators o	sleteness of f problem
	horica Cancer o	anto Dynter	1-75644	y Data Gas	sity miles	abor Hego	A (DOM) I	or 2009				
1		aller and a	Same per	10.000 495	page jo	00000 140	C(2003)		_		_	
	3000	_	7	64	30	67	396)8	10	Natio	rd'
Belo Carlly Instants (74) e belor than	Facility N	Rentce N	faciny N	riones in	Facility th	FUGH 1	Asilys	Andre	Partity N	Roldski	107 10	SER map
Demographics Total Association (Second			1 100									
								112, 641	1.000		_	
Set United at (0)	3,0954	3.668	6.000	0.042	1,000	206.55	6,360	112.340 C.ber	Law	6.535		
Sep Unimenet (3) Reprint (1.5, 1405 (36)	3,095	3,068	2,7%	6.042	1.182	6.547 6.717	6.001 3.710	0.040 0.040 0.040	0.00	6-326		-
Set United and (b) Rective (1.5. NOS (b) Rect United (b)	0.000 2.397 0.729	0.048 0.728 0.5517	6.006 2.7%5 0.897	6.56) 6.705 1.254	8-000 1.187 8-905	6.547 6.757 1,246	0.000 2.712 0.642	0.040 0.340 0.340 1.320	0.008	6-326 6-326 5-327 3-121		
Seo Unimplier (0) Receiver (0.5, NOS (08) Receiver (04) Ethnuth Statemen (06)	3.095 2.397 0.729 0.599	0.248 0.728 0.567 0.567	6.000 2.7% 0.897 0.858	6.00 6.00 1.254 6.665	8.000 1.287 8.905 8.515	200,000 6,367 6,307 1,366 6,303	6.860 2.762 2.842 3.818	0.000 0.000 0.000 0.000	0.008 1.795 1.019 5.510	6-326 6-326 6-327 3-121 6-765	4.25	140
Sec Unserver (8) Rest aver (6,5, HOS (88) Rest Unitersen (88) Birth Tear Unitersen (8) Birth Tear Unitersen	0.000 2.397 0.779 0.599 0.090	0.248 0.728 0.5517 0.6517 0.6517	6.000 2.7% 0.807 6.858 6.658	6.562 6.765 1.764 6.885 6.885	8-500 1.387 8-505 8-505 8-505 8-505	2547 6.777 1.36 6.833 6.833	6.80 2702 2.642 3.709 6.50	0.000 0.000 0.000 0.000 0.000	0.008 1.755 1.859 0.839 0.009	6-326 6-326 6-327 3-121 6-765 6-765	6.25 0.80	1.00
Sec. Groupset (B) Receiver (LC, NOS (BE) Receiver (B) Ethicite (B) Ethic (B) Ethicite (B) Ethici	0.000 2.397 0.729 0.599 0.090 5.090	3,668 3,728 3,607 3,607 3,603 5,000	6.006 2.7% 6.8% 6.8% 6.006	6.562 6.705 1.254 6.665 6.665 6.665 6.005	8.500 1.187 8.505 8.505 8.505 8.505 8.505 8.505	6.50 6.70 1.36 6.80 6.80 6.80 6.80 6.80 6.80 6.80 6.8	0.701 0.702 0.642 3.709 0.700 0.700	0.500 0.500 0.500 0.500 0.500 0.500	0.000 1.265 5.589 0.000 0.000 0.000	6 326 6 326 6 327 5 121 6 76 6 360 6 360 6 360	8.28 0.80	1.00
Seb United to B ReceiverU.S. NOT GBI ReceiverU.S. NOT GBI Retro Tata United States Set States United States Set States United States Birth Receiver United States Birth Receiver United States Birth Receiver United States States United States	3,005 2,397 3,779 3,599 3,095 3,095 3,095 3,095	3.648 3.728 3.637 3.637 3.631 3.631 3.631 3.631 3.631	6.006 2.7% 6.858 6.006 6.006 6.008	6.562 6.765 1.264 6.885 6.865 0.005 0.005	8.500 1.267 8.505 8.505 9.500 9.300 9.300	237 237 237 237 237 237 237 237 237 237	5,800 2,702 2,802 3,218 6,250 6,250 6,250 6,250 6,250	0.444 0.444 0.544 0.545 0.545 0.545 0.545	0.00 1.265 1.265 1.265 0.209 0.209 0.209	6 326 6 327 5 121 6 765 6 362 6 362 6 362 6 362 6 362	6.35 0.80	1.00 n/4
GB United (B) Backer(S, NO) DBI Backer(S, NO) DBI Bits (Marker) (B) Bits (Marker) (B) Strictle (Marker) Striker(S) Striker(3.005 2.397 3.779 3.599 3.095 3.095 3.095 9.095 9.095 9.095 9.095	3.648 3.728 3.637 3.637 3.631 3.631 3.631 3.631 3.631 71.488	6.000 2.7%0 6.854 6.000 6.000 6.000 6.000 6.000 8.000	6.562 6.762 1.754 6.685 6.685 6.605 71.346 71.346	8.000 1.187 8.955 8.165 8.165 8.165 8.100 8.100 8.401	2357 2357 2357 2357 2357 2357 2357 2357	5,853 5,853 5,712 5,853 5,712 5,853 5,712,	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	LASS 0.508 1.565 0.559 0.008 0.008 0.008 0.008 0.008 0.008 0.008	6 325 6 325 6 327 5 3221 6 765 6 765 6 765 7 965 7 965	6.25 0.00 90.01	1.00 n/4 41.20
He Drawner (B. Honner HU, KKO BE Honner HU, KKO BE Honner HU, KKO BE Honner Valken (B. Honner Valken) HUMMER (UKINSIN HUMMER (3.000 2.397 0.729 0.059 0.090 0.090 0.090 0.090 0.090 0.090 0.140 1.140	3,668 3,738 3,667 3,667 3,667 3,667 3,667 3,667 3,667 3,667 3,687 4,688	6.000 2.740 6.859 6.858 6.000 6.000 6.000 6.000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.00000000	6.542 6.762 1.754 8.885 8.885 0.205 0.205 9.1348 1.340 1.346	8.305 8.505 8.505 8.505 8.500 8.500 8.500 8.500 8.500 9.500 9.500 9.500 1.005	254 2.554 2.554 2.554 2.5555 2.555 2.555 2.555 2.555 2.555 2.5555 2.5555 2.555 2.5555 2.5555 2.5555 2.55555 2.55555	5273 6363 2705 9342 3319 8205 8205 9205 9205 9205 9205 9205 9205 9205 9	0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000000	Lass 0.008 1.265 5.589 0.009 0.009 0.009 0.009 5.009 5.009 5.009 1.309 1.309	6 020 6 020 6 020 5 021 6 700 6 050 6 050 77 956 1 100	6.29 0.00 99.21	1.00 1/4 = 20
He Simpler (B) Horsen (S, NC) GB fact United (S, NC) GB fact United (S, NC) GB fact United (S, NC)	3.003 2.397 0.779 0.599 0.000 3.000 0.000 0.003	0.668 0.728 0.607 0.607 0.603 0.603 0.603 71.488 0.807 1.642	6.000 2.740 6.859 6.858 6.000 6.000 6.000 6.000 8.000 8.000 8.000 8.000 8.000 8.000 8.000 8.000 8.000 8.000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.00000 6.00000000	6.542 6.762 1.764 6.885 8.888 0.205 0.200 91.388 1.390 1.225	8.335 1.387 8.465 8.465 8.465 0.300 0.400 9.441 1.460 2.490	2541 2.54 2.554 2.554 2.554 2.554 2.55555 2.5555 2.5555555555555555555	5273 6363 2705 9342 3319 8205 8205 8205 8205 8205 2435 2435 2435	0.840 0.840 0.840 0.850 0.850 0.850 75.370 1.460 1.860	Lass 0.309 1.255 1.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009 0.009	6 326 6 326 6 327 5 121 6 765 6 362 6 362 6 362 77 956 1 365 3 365	6.29 0.00 93.01	1.0) 1/4 •1.20
He Dimension CD Insortent GL, All CO GB Facts Information (DB Birth Sard Letteres) (DB Birth Sard Letteres) Birth Sard Letteres Birth Sard Letteres Birth Sard Letteres Birth Sard Letteres Marco Taylor (DB) Marco	3.000 2.39.7 0.779 0.099 0.090 0.090 0.090 0.090 0.340 1.455	3,668 3,728 3,607 3,607 3,601 3,601 3,601 71,488 3,807 1,652	6.000 2.740 6.859 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.00000 6.00000000	6.540 6.762 1.764 6.885 6.885 6.895 0.903 71.386 1.395 1.295	8.300 1.787 8.955 8.515 8.500 9.300 9.300 96.810 1.495	2540 2547 25577 25577 25577 25577 25577 25577 25577 25577 25577 255777 25577 25577 255777 255777 255777 255777 255777 255777 255777 255777 255777 2557777 2557777 255777777 2557777777777	5277 6360 2710 5342 5310 6200 6200 6200 6200 6200 6200 6200 62	0.844 0.844 1.255 0.855 0.855 0.855 75.375 1.445 1.865	Lass 0.309 1.255 1.559 0.509 0.509 0.509 95.525 1.302 3.525	6 326 6 326 6 327 6 327 6 362 6 362 6 362 6 362 77 956 1 365 3 355	8.28 0.80 90.81	1.00 1/4 = 22
Ne Unimeria (D) Neo ner (KS, NGO BE Hara Nimana, Nimi Birth Tar (Hanana Birth Tar (Hanana Marca (Laza) Unimara (H) Marca (Laza) (Laza) Marca (Laza) Mar	0.000 2.39.7 0.779 0.599 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.1440 1.445	3,668 3,728 3,607 3,607 3,603 3,603 71,488 3,807 1,692 3,898	6.000 2.740 6.858 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.00000000	6.540 6.765 1.764 6.888 6.888 6.005 91.348 1.890 2.295	8.300 1.787 8.955 8.545 8.545 8.545 8.545 8.540 8.540 1.495 2.995 0.772	2540 2547 2547 2547 2547 2547 2546 2546 2546 2546 2546 2546 2546 2546 2546 2547 2546 2547 2557 2557 2557 2557 25577 25577 25577 25577 255777 255777 255777 2557777 255777 255	5/77 6/80 2/10 9/842 5/10 9/10 9/10 9/10 9/10 9/10 9/10 2/10 2/10 2/10 2/10	0.000 0.000 0.000 0.000 0.000 75.000 1.000 0.000	Lana 0.308 1.255 0.309 0.309 0.309 0.309 0.309 0.309 1.309 1.309 1.309 0.309	6 325 6 325 6 327 8 765 6 765 6 765 77 956 1 565 3 855 6 875	4.28 0.80 90.81	1.00 1/4 = 20 3.57
See Universite (D) Second K, S., Kold BB Rack Calaxies, Kala Bholt Second Second Bholt Second Second Bholt Second Second Bholt Second Second Second Second Second Second Second Second Second Second Second Marcel Second Second Second Second Marcel Second Second Second Marcel Second Second Second Marcel Second Second Second Second Second Marcel Second Second Second Second Second Marcel Second S	0.000 0.729 0.739 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.668 0.738 0.567 0.607 0.603 0.603 0.603 0.603 0.603 0.603 0.613	6.000 2.7% 0.8% 0.6% 0.000 0.000 0.000 0.9% 1.7% 0.000 0.000	6.540 c.705 1.754 6.885 0.005 91.348 1.380 2.255 0.518	8.000 1.187 8.555 8.555 8.555 8.555 8.555 8.555 8.555 8.565 8.5555 8.555 8.555 8.555 8.555 8.555 8.555 8.555 8.555 8.555	23.55 2.55	0.001 0.001 0.002 0.002 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	100300 Case Case 1175 Case Case Case Case Case Case Case Case	0.508 0.508 0.208 0.208 0.208 0.208 0.208 0.208 0.208 0.208 0.208 0.208 0.208	114,486 6,335 6,337 1,321 1,522 1,52 1,522 1	4.35 0.80 90.81 9.20	1.02 1/4 = 20 2.07 2.45
See Universite (B) Record (B) (C) (C) (B) Record (B) (C) (C) (B) Record (B) (C) (C) (B) Record (B) (C) (C) (C) B) (C) (C) (C) (C) (C) B) (C) (C) (C) (C) (C) (C) Record (C)	0.000 2.007 0.779 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.668 0.738 0.607 0.601 0.602 0.602 0.602 0.603 0.603 0.603 0.603 0.603	6.000 2.740 0.007 0.008 0.008 0.008 0.008 0.008 0.009 0.008 0.009 0.009 0.000	6.540 6.767 1.554 6.845 6.845 6.845 6.849 1.349 6.349 6.349 6.349	8.300 1.787 8.505 8.505 8.505 8.505 8.505 8.505 8.505 8.461 1.465 2.395 8.305 2.305	2000 2007 2007 2000 2000 2000 2000 2000	0.771 0.362 2.702 2.502 2.502 0.2020	10000 0000 0000 0000 0000 0000 0000 00	0.508 0.508 1.756 1.756 0.558 0.009 0.009 0.009 0.009 0.009 0.009 0.009	6326 6387 6387 5387 6387 6388 6388 6388 6388 6388 6388 6	6.38 0.20 90.39 6.39 0.49	1.00 1/5 = 20 2.57 6.46
Seb Simeler (B) Service (S) (S) (S) Service (S) (S) (S) Name (S) (S) (S) Name (S) (S) (S) Name (S) (S) (S) Service (S) (S) (S) (S) Service (S) (S) (S) (S) Service (S) (S) (S) (S) (S) (S) Service (S) (S) (S) (S) (S) (S) Service (S) (S) (S) (S) (S) (S) (S) (S) Service (S) (S) (S) (S) (S) (S) (S) (S) (S) Service (S)	0.093 2.297 0.779 0.090 0.090 0.090 0.090 0.090 0.090	3,248 3,738 3,697 3,697 3,697 3,697 3,697 3,693 1,693 3,693 3,694 3,694	6.000 2.740 0.077 0.000 0.000 0.000 0.000 0.000 0.000 0.000	6.562 6.705 1.254 6.888 0.000 71.348 1.359 1.359 1.359 0.6349 0.6349 0.6349	8.300 1.187 8.505 8.500 0.200 0.200 8.481 1.460 1.295 0.200 0.200 0.200 0.200		3/77 63/0 27/0 25/0 31/0 67/0 87/0 87/0 87/0 87/0 87/0 87/0 87/0 8	10380 Cala Cala Cala Cala Cala Cala Cala Cal	0.500 0.500 1.250 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500 0.500	614,444 6323 6325 5325 6349 6349 6349 77,956 5359 77,956 5359 6359 6359 6359 6359 6359	6.25 0.00 99.35 99.35 0.25 0.25 0.25	1.00 1/4 41.20 2.37 2.45 2.45 2.45
He Drever (D) Next Higher (D) Has children (B) Has children (B) Drifter (D) Drifter (D) D) Drifter (D) D) D) D) D) D) D) D) D) D)	0.093 2.297 0.799 0.090 0.0000 0.0000 0.0000 0.000000	3288 3278 3497 3497 3497 3499 3499 3493 1495 3498 3499 3499 3499 3499 3499 3499 3499	6.000 2.740 0.077 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	6.562 6.700 1.755 6.888 0.005 7.1348 1.990 1.139 1.139 1.139 0.138 0.139 0.138 0.139 0.138 0.139	8.000 1.787 8.105 8.105 0.000 0.000 0.000 0.495 0.772 0.005 0.007 0.487	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	077 0372 0362 1710 0362 1710 0370 0370 0370 0370 0370 0370 0370 0370 0370 0370 0370 0370 0370 0370 0370 0370 0370 0362 0370 0362 0370 0362 0370 0362 0370 0362 0370 0362 0362 0362 0370 0362 0370 0362 0370 0362 0370 0362 0370 0362 0370 0362 0370 0 0 0 0 0 0 0 0 0 0 0 0 0	10000 0000 0000 0000 0000 0000 0000 00	0.500 0.500000000	614,486 6303 6303 5323 5323 6303 6305 77,996 5305 77,996 5305 77,996 5305 77,996 5305 77,996 5305 77,996 5305 72,996 5305 6405 6405 6405 6405 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5305 72,996 5405 72,996 7405 74,996 74,997 74,996 74,996 74,997 74,996 74,996 74,997 74,996 74,997 74,996 74,997 74,997 74,996 74,997 74,996 74,997 74,9	6.38 0.80 99.81 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82	1.00 1/4 16.25 1.57 1.56 1.50
See University (B) See Character (B) Network (B) See Character (B)	6,093 2,997 6,795 6,090 6,0000 6,000 6,0000 6,000 6,000 6,000 6,000 6,000 6,000 6,000 6,000 6,00	3,688 3,728 3,6973,697 3,697	6.000 2.750 6.618 6.618 6.618 6.618 6.600 6.000 6.000 6.718 6.000 6.718 6.000 6.718	6.582 6.782 1.784 1.888 1.888 0.000 9.1.388 1.380 1.380 1.395 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.010 0.0000 0.0000 0.000 0.0000 0.0000 0.0000 0.000000	8.000 1.387 8.585 8.585 0.000 0.000 0.000 0.495 0.000 0.495 0.495 0.495	2000 000 000 000 000 000 000 000 000 00	077 0307 1710 0342 1.110 0200 0200	0.0344 C344 C344 C344 C344 C344 C344 C344	0.000 1.256 5.559 0.000 0.000 0.000 0.000 5.7700 5.7700 5.7700 5.7700 5.7700 5.7700 5.7700 5.7700 5.7700 5.7700 5.7700 5.7700 5.7700 5.7700 5.77000 5.77000 5.770000000000	614,486 6301 6301 6301 6301 6301 6301 6301 630	6.35 0.80 90.81 0.85 0.85 0.85 0.85 0.85 0.85 0.85 0.85	1.02 1/9 # 22 2.05 6.08 1.02 1.00
Vel 2 (Veren) (2) Merchand (2), KGS (2) Histor University (1), KGS (2) Histor University (2), KGS (2), Histor Theorem (1), Verenin Histor Mercanical (1), Mercanical Historical Conference (1	0.000 2.29.7 0.729 0.090 0.0000 0.0000 0.000000	0.668 0.728 0.657 0.605 0.605 0.605 0.605 0.605 1.652	6.000 2.7% 0.807 0.818 6.008 0.008 0.008 0.997 1.224	6.560 c.765 1.764 6.885 0.005 0.005 71.348 1.340 1.254	8.000 1.207 8.905 8.905 9.000 9.000 9.000 96.901 1.400 2.205	2340 2347 2347 2347 2347 2348 2341 2348 1348 1348 1348	5273 6360 2762 5342 5309 6200 9200 9200 9200 9200 9200 2324 2324	0.000 0.000 0.000 0.000 0.000 0.000 0.000 75.000 1.440 1.860	Lass 0.309 1.255 1.255 0.209 0.209 0.209 0.209 0.209 0.209	6 325 6 325 6 327 1 3 121 6 760 6 560 7 560 7 996 1 160 3 855	4.25 0.00 99.01	

22

FCDS Re-Abstracting Audit Report

Major Difference

- Affects incidence counts
- · Affects research
- · Examples: diagnosis year, primary site, sex
- Minor Difference
 - Does not affect incidence counts
 - · Examples: quadrant of breast, type of resection
- Unknown-to-Known
 - Valid data found but initially coded as unknown
 - Difference depends on data item

FCDS Re-Abstracting Audit Report









70	
NPCR Data Quality Reports	
	
2011 - Standard Status Report (SSR1) National Program of Cancer Registries Cancer Surveillance System (National Data Quality)	
Florida	
Department of Health and Human Services Centers for Disease Central and Prevention Safer + Realitier + Propie	

















Other - Reinforcement

Monitor Compliance with Feedback to Registrar and Administration

- ✓Data Quality and Timeliness Reports to Administration
- Targeted Education and Training Programs
- FCDS Annual Conference
- FCDS Annual Series of Webcasts
 - 6-8 per year or as needed
 - Recorded and archived
- FCDS On-Line Abstractor Training Course
- Published Resources for Registrars
- Monthly NAACCR Educational Webcast Series at 7 Locations in FL

Other – Incentives and Rewards

· Jean Byers Award including Publication of Name in Register

- Individual Abstractor Recognition Certificates
- Other Recognition Future of Rewards



FCDS DATA QUALITY AND EDUCATION AND TRAINING



FCDS Education and Training

- New Registrar Recruitment
- Instruction: FCDS/National Coding Rules and Guidelines
- Instruction: FCDS/National Policy/Procedures
- Re-Instruction: Existing Rules/Procedures Correct Problems
- Instruction: Changes To / New Rules/Procedures
- Continuing Education Increase Knowledge Base
- · Retention of Qualified Staff

FCDS Education and Training

- On-Line Abstracting Course for New Registrars
- Obtaining an FCDS Abstractor Code
- 2-Day FCDS Annual Conference
- 6-8 FCDS Annual Webcast Series
- 12 NAACCR Hosted Annual Webinar Series
- Ad Hoc Webcasts for New Programs/Policy/Procedure/Other
- Monthly In-Services Cancer Registry Principles & Practices
- Monthly EDITS In-Services Review New/Change FCDS EDITS
- Personalized Instruction

FCDS Education and Training

Refer	ence Dook Mareaul for Abstracting Web Address For Sc	sarce Notes
2012 FCDS (Floride Cancer Data System) Data Acquisition Manual	The shows followed many eduling DAM attrait	Details cancer data reporting guidelines and casefinding mechanisms for identifying reportable cancers.
2012 CoC FORDS Manual (Facility Oncology Data Stondards)	1122 Hwww.face.org/cancer/socistandards.html	FORDS enato is issued qualterly and posted on the website.
2007 MPH Rules - Solid Turners, rev Aug 24, 2012	Stationwater canon ascholichstrokeinder Mitt	On the home page click on "Information for Cancer Regatters", MPH1 Rules
2012 MPH Rules - HernelLymph Neoplians and Interactive HernelLymph Database	Mp (heer cancer probeentools/herrelying)/	On the home page click on "Information for Cancer Registrans", Henatopoletic & Lymphoid Neoplasm Project
ICD-0-3 Coding Materials	The down some service special-to-Medice Medice	On the horse page click "Data Collection Tools", Prote and Clastifications"
Collaborative Stage Data Collection System	135 //www.cancentaging.org/stage	On the home page click the link "news" to see if there are unrinked
SEER *Rx - Interactive Drug Dotaliase	The shares cancer, powheerbook/seerbol	A one-step lookup for coding encology drug and regimen treatment categories in cancer regulates
AJCC Staging Manual 7" Edition (plus errats)	With Danky operation constructions	Springer (publisher) ISBN 978-0-387-88440-0
Educatio	on and Training Materiale Web Address For Training M	ateriais Rictes
PCOS Education & Training On-Line Abetractor Training Course and Recorded Vielocasts/Teleconferences and Registration for PCDS-tocomponed Educational Events	title cheese Ecols, med, mans, edulors framma, attitud, well http://www.Ecols.med, mans, edulors felecunterences, atti TE	On-Line Abstractor Training Course, Recorded FCDS Educational Webcaets, Annual Meeting Presentations, Special Announcements, and more
SEER Carker Register Training Modules	Ma New see cards and annalises had	Self Instruction Modules on many abetracting topics including Collaborative Staging and Maltiple Primary and Materiany Coding Rates.
CoCIAJCC Online Education	http://www.eo2.comegarthers.com/users/acs	On-Demand Webinara, CLP Education
NAACCR Webhars	322 Jawa reaccine webex contract/0000/mwebes/	FCDS sponsors 6 heat locations across Florida for the excethly educational webines.
Brain Turnor Registry Reporting Training Materials	Ma New cdc approximation and and	This indicates a Power Point presentation on Denign Brain and CNS Tumors olong with speaker notes. It also has everyses with answers provided.
	Meanisters Web Address Notes	
FCDS Monthly Meno	tita chemie foda mest viano edulos/vepetiettera aten-	Florida Cancer Data System's monthly memo written especially for registrars. (used as a source for updates/wolapement paper to manuals)
FCCS Register (Quartery Newsletter) CCC Flash	125 Deex fols and story eduling seasing as a first	Posida Cancer Data System's newsletter Commandation on Cancer's rewaletter
	Ceclese Help For Abetracting Questione	
Aak a SEER RegistraciSEER inquiry System	hts there sees cancer southeethouty/index sho	Type in a topic, search, and it will show you similar exections that other registran have submitted along with the answers.
CAnaver Forum (Inquiry and Response System)	the lowestades has orghnized	Type in a topic, search, and it all show you similar questions that other registran-have submitted along with the answers.

FCDS Education and Training

2012 Resources and References for Registrare				
2012 Casefinding/Reportable List	 2012 FCDS Data Acquisitor Manual (FCDS DAM) 			
2012 Coding Manual and Instructions	 2012 FCDS Data Acquisitor Manual (FCDS DAM) 2012 CsC Pacity October Data Standarts (CsC FORDS) 			
2007 MPH Rules - Solid Tumors	 3007 MPH Rules – Sold Tumors 			
2012 MPH Rules - HemelLymph Neoplasms	 2012 MPH Rules and Database – HerrelLymph Neoplasms 			
ICD-0-3 Primary Site/Hotology Codes	KCD-C-3 (except for HernelLymph Neoplasms – codes (650-899) 2012 MPH Rules – HernelLymph Neoplasms for all codes (999-9992			
Collaborative Stage Data Collection System, v2	Part - Section - General Instruction Part - Section - Los Trein Turner Markers, and SSP Notes Part - Section - Los Trein Turner Markers, and SSP Notes Part - Section - Section Coding Scherves Aptivation Creter Aptivation Creter Aptivation Creter Sections Groups			
Free-Standing Software Applications	 2012 Hersel yrigh Rules and Database SEER Rx 			
Internet Access to Online Resources				

	Tracking Events						
NCRA #	Date	Name of Event	Sponsor	Туре	Participants	CEUs	
2011-082	1/5/12	Collecting Cancer Data: Pancreas	NAACCR	webinar	57	3	
n/a	1/18/12	FCDS Inservice: Quality Control in Central Registry	FCDS	in-service	27	0	
2011-172	1/19/12	Brain and CNS Tumors - 2012 MPH Rules/CSv02.03/Site Specific Factors and Treatment	FCDS	webcast	153	2	
2011-088	2/2/12	Collecting Cancer Data: Hematopoietic	NAACCR	webinar	66	3	
n/a	2/15/12	FCDS Inservice: Record Linkage	FCDS	in-service	19	0	
2011-173	2/16/12	Head and Neck Cancers - MPH Rules/CSv02.03/Site Specific Factors and Treatment	FCDS	webcast	151	2	
n/a	2/23/12	FCDS Inservice: Record Consolidation	FCDS	in-service	25	0	
2011-086	3/1/2012	Abstracting and Coding Boot Camp: Cancer Case Scenarios	NAACCR	webinar	76	3	
n/a	3/14/2012- 3/18/2012	NCCN Annual Conference, Fort Lauderdale, FL	NCCN	in-person	0	n/a	
n/a	3/17/2012	CTR Examination Date	NCRA	in-person	NEW CTRs	0	
2011-087	4/5/2012	Collecting Cancer Data: Lower Digestive System	NAACCR	webinar	66	3	
2012-023	4/16/2012- 4/21/2012	NCRA Annual Conference, Washington, DC	NCRA	in-person	2	19.5	
n/a	4/19/2012- 4/21/2012	FLASCO Spring Session, Tampa, FL	FLASCO	in-person	0	n/a	
2011-091	5/3/2012	Collecting Cancer Data: Lung	NAACCR	webinar	55	3	
2011-068	6/3/2012 - 6/9/2012	NAACCR Annual Conference, Portland, OR	NAACCR	in-person	7	18.5	
2011-089	6/14/2012	Using and Interpreting Data Quality Indicators	NAACCR	webinar	53	3	









2011 NAACCR Webcasts = 615ppts













CURRENT CODING AND DATA QUALITY ISSUES





- · FCDS has been correcting many more sex coding errors
- than we have had to correct in many, many years. Why??
- FCDS routinely checks Male Breast for Sex Coding Errors
- All Other Sex Coding Errors we find are incidental.
- PLEASE double check that you have coded SEX correctly.

Code	Description
1	Male
2	Female
3	Other (Hermaphrodite)
4	Transsexual
9	Unknown/not stated

Urinary System MPH Rules

- Rule M5 An invasive tumor following a non-invasive or in situ tamor more than 60 days after diagnosis is a multiple primary. ** Note 1: The purpose of this rule is to ensure that the case is counted as an incident (invasive) case when incidence data are analyzed. Note 2: Abstart 3: sumpling imminist even it the medical needoffyavinis rather is its resures or progression of disease
- Rule M6 Bladder tumors with any combination of the following histologies: papillary carcinoma (8050), transitio 8124), or papillary transitional cell carcinoma (8130-8131), are a single primary. * al cell carcinoma (8120-
- Rule M7 Tumors diagnosed more than three (3) years apart are multiple primaries. **
- Rate
 MS
 Urothelial tumors in two or more of the following sites are a single primary* (See Table 1)
 Recal petitis (CS59)
 Ureter(CS59)
 Biadder (CS70-CS79)
 Biadder (CS70-CS79)
 Diadder (CS70-CS79)

 - Bladder (C670-C079)
 Urethra /prostatic urethra (C680)

Prostate - Clinical

Use Core CS Data Items

- CS Tumor Size
- CS Ext CS TS/Ext Eval
- CS LN CS LN Eval
- CS Mets
 CS Mets Eval



Question: Is the term "induration" still considered apparent/involvement for clinical extension for prostate ca?

Answer: Note 3: Clinically apparent and inapparent tumor: A clinically inapparent tumor is one that is neither palpable nor reliably visible by imaging. A clinically apparent tumor, is palpable or visible by imaging. If a clinican documents a 'tumor', 'mass', or 'nodule', this can be inferred as apparent. Do not infer inapparent or apparent tumor based on the register inferreduce of others. reports. A physician assignment of cT1 or CT2 is also a clear statement of inapparent or apparent respectively. Code to 300 (which maps to T2 NOS) in the absence of a clear physician's statement of inapparent or apparent

Prostate - Pathologic

SSF 3 – Path Extension – MUST HAVE PROSTECTOMY for coding !!!

Note 1: Include information from prostatectomy and autopsy in this field and not in CS Extension - Clinical Extension.

- Only use histologic information from prostatectomy, including simple prostatectomy with negative margins, and autopsy in this field.
- Information from biopsy of extraprostatic sites is coded in CS Extension -Clinical Extension;

Note 2: Code 970 if there is no prostatectomy performed within the first course of treatment.

Note 3: Limit information in this field to first course of treatment in the ence of disease progression.

Note 4: AJCC considers "in situ carcinoma of prostate gland" an impossible diagnosis. Any case so coded is mapped to TX for AJCC stage and in situ Summary Stage.





Unknown Primary/III-Defined Site

· Rule H. Use the topography code provided when a topographic site is not stated in the diagnosis. This topography code should be disregarded if the tumor is known to arise at another site.

Head and Neck Equivalent Terms, Definitions, Charts, Tables and Illustrations C000-C148, C300-C329 (Excludes lymphoma and leukemia – M-9590 – 9989 and Kaposi sarcoma M9140)

When the point of origin cannot be determined, use a topography code for overlapping sites: • C02.8 Overlapping lesion of tongue • C08.8 Overlapping lesion of major salivary glands • C14.8 Overlapping lesion of lip, oral cavity, and pharynx.

Unknown Primary/III-Defined Site

01. TH	01 0 1		
Site Litle	Site Code	Histology Litle	Histology Codes
Skin, Arm	C44.6	Carcinoma, Melanoma, Merkel Cell, Mycosis Fungoides, Cutaneous T-Cell Lymphoma of Arm	8010 8720-8970 8747 9700 9709
Soft Tissue, Arm	C49.1	Sarcoma	8800-8921
Peripheral Nerve, Arm	C47.1	Sarcoma	8800-8921
Bone, Arm	C40.3	Sarcoma (osteo)	9180-9194
Lymph Nodes, Arm	C77.3	Lymphoid Neoplasms	See Heme DB



Unknown Primary/III-Defined Site

Melanoma Skin

- 3 KEY FACTORS FOR STAGING OF MELANOMA SKIN
 - Measured Thickness or Breslow Depth of Invasion
 - Presence or Absence of Ulceration
 - Primary Tumor Mitotic Count or Rate
- All are in the SSFs



- 000 not a valid thickness code 999
- Ulceration Discussion
- · Mitotic Count/Rate Discussion and Problems Encountered

Non-Melanoma Skin Cancers

Code	Term	Code	Term
8247/3	Merkel Cell Carcinoma	8890/3	Leiomyosarcoma
8400/3	Sweat Gland Adenocarcinoma	9140/3	Kaposi Sarcoma
8410/3	Sebaceous Adenocarcinoma	9591/3	Non-Hodgkin Lymphoma
8800/3	Sarcoma	9650/3	Hodgkin Lymphoma
8810/3	Fibrosarcoma	9680/3	Diffuse Large B-Cell Lymphoma
8832/3	Dermatofibrosarcoma	9700/3	Mycosis Fungoides
8850/3	Liposarcoma	9709/3	Cutaneous T-Cell Lymphoma

Problem SSFs

- · All Mitotic Count/Rate Factors WHY?
- Melanoma Skin Depth of Invasion, Mitotic Count
- Clinical Assessment of Regional Lymph Nodes
 - Stomach
- Appendix
- Colon
 Rectum
- Rectum
- NET Stomach
 NET Colon
- NET Rectum
- Breast
- Dieasi
- Skin Melanoma
- Skin Merkel Cell

Problem SSFs - Breast

- · Easy to Find Site Specific Factors
- ER
- PR
- HER2
- Test Value
- Test Result
- Tally Results into Profile
- Difficult Site Specific Factors
 - · # Positive Ipsilateral Level I-II Axillary Lymph Nodes
 - IHC of Regional Lymph Nodes
 - FISH or CISH Testing for HER2
 - Size of Invasive Component
 - Circulating Tumor Cells
 - Disseminated Tumor Cells

References / Resources

- Dryden M and Brogan K. Quality Control. Chapter 20 in Menck H, et al. Central Cancer Registries: Design, Management and Use, second edition. Kendall Hunt Publishing Co., 2007.
- Hilsenbeck SG, et al. Quality Control for Cancer Registries. National Cancer Institute, U.S. Department of Health and Human Services, 1985.
- Hilsenbeck SG. Quality Control. Chapter 7 in: Menck H, et al. Central Cancer Registries: Design, Management and Use. Harwood Academic Publishers, 1994.
- Ross F. Quality Control of Cancer Registry Data. Chapter 21 in Menck H, et al. Cancer Registry Management: Principles and Practice, second edition. Kendall Hunt Publishing Co., 2004.

References / Resources

- NAACCR Standards for Cancer Registries Volume III: Standards for Completeness, Quality, Analysis, and Management of Data, 5. October 2004.
- NPCR Educational Materials for Cancer Registrars 6.
 - Volume 3: Data Editing and EDITS: Procedures for Central Registries
 - Volume 4: Coding and Visual Editing: Procedures for Central Registries
 - Volume 6: Audits: Casefinding and Reabstracting: Procedures for Central Registries
- Unpublished materials provided by National Program of Cancer Registries

Thanks and Appreciation

- FCDS QC/Education Team
 - Mayra Espino, BA, RHIT, CTR
 - Gema Midence, MBA, CTR
 - Judy Bonner, RN, MS, CTR
 - Susan Smith-Pierce, CTR
 - QC Contractors, CTR

FCDS Moodle Team

- Melissa Williams
- Jill MacKinnon, PhD
- Mark Rudolph, MS



Questions Steven Peace, CTR speace@med.miami.edu 305-243-4601

