

Chapter Five: Data Exchange

This option of CPDMS.net contains programs for exchanging information between the statewide database and individual hospitals, and between individual hospitals and external organizations. Note that incomplete records are NOT included in files generated by the various data exchange functions.

RCRS Submission

This feature of CPDMS.net allows users to create files for Rapid Cancer Reporting System. You can choose to include all cases or only cases created or updated since a certain date. Then choose if you want to review the COC edits and Missing Physician NPI Report and then click "Submit."

An example is shown below of what the beginning screen looks like:

The screenshot shows a web browser window titled "CPDMS Application Manager - Mozilla Firefox" with the URL "https://app.cpdms.net/cpdms-9.1.1/DataExchange/NCDB/RCRSCallForData.php". The page header includes "TONYA BRANDENBURG", "TRAINING DATABASE", and "Create RCRS Submission file". The main content area is titled "RCRS Submission 2021" and contains the following text:

If facility reference year is on or before 2004: Analytic cases with diagnosis year 2004 to current will be submitted
If facility reference year is after 2004: Analytic cases with diagnosis year from reference year to current will be submitted

The reference year for **90201** is **0**: Analytic cases with diagnosis year **2004** to current will be submitted

Radio buttons for selection:
 Include all Cases
 Only include cases created or updated since 01 / 01 / 2004

Checkboxes for additional options:
COC Edits
Missing Physician NPI Report

Buttons:

2018 (or later) Cases: These are the minimum fields that need to be entered on 2018 (or later) incomplete cases in order to be included in an RCRS submission.

Sex	Date of Birth	Topography	Accession Year	Vital Status
Age	Date of Diagnosis	Histology	Accession Number	Class of Case
Race	Date of Last Contact	Behavior Code	Sequence Number	Date First Contact

Please Note: COC Edits and Missing Physician NPI Report are for information only. You do not need to resolve these before submitting an RCRS file, but you **MUST** resolve all RCRS edits before submission.

An example is shown below in which edit checks, incomplete patients, and the missing physician NPI report were all generated for all years data and are available for download.

CPDMS Application Manager - Mozilla Firefox

https://app.cpdms.net/cpdms-9.1.1/DataExchange/NCDB/NCDB.php?yearStr=2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2

RCRS Data output for 2004-2021

3472 records generated for 90201 - TRAINING DATABASE

RCRS Data File

COC Edit Report

Incomplete Patient Report No incomplete patients were found

RCRS Edit Report

Physician NPI Report

Death Clearance

This feature of CPDMS.net allows individual Kentucky hospitals to match their patient demographic data with the state's annual death certificate listings. The Kentucky Department of Vital Statistics provides KCR with an electronic file of all death certificates filed in Kentucky each calendar year. This file is then matched with the KCR central database and an individual electronic file is created for each hospital registry in the state.

The file sent to each hospital contains the names and other identifying information of all patients in that registry who also appeared on the state death certificate list.

The list of matching names is compiled and transmitted to each hospital annually. Through this process, hospitals may identify patients in their registries who have died (due to any cause) and then update their records accordingly.

In order to perform death clearance, select "Death Clearance" from the Data Exchange menu. The following screen appears:

CPDMS - Mozilla Firefox
 https://krcrpdms.net/cpdms-5479/DataEntry/GetDeathCertList.php

CANCER PATIENT DATA MANAGEMENT SYSTEM .net
 TONYA BRANDENBURG TRAINING DATABASE Death Certificate List

Death Certificate List

Resolved Count 5 List Count 486 Total Count 491
 Patients excluded by filter selections: None

[Download Total Patient List \(491\)](#)

SSN	LAST NAME	PATIENT DATA			CASE DATA (HIGH SEQ)		
		FIRST NAME	MIDDLE NAME	BIRTHDATE	FACILITY	ACC YR	ACC NO
000-01-5536	ELIZABETH	QUEEN	B	06-07-1951	90201	2004	529
000-01-5572	COATRACK	MARIETTA	Q	09-08-1941	90201	2004	561
000-01-5390	JONES	SUE	T	03-20-1960	90201	2004	604
000-01-4608	LEDBETTER	BLUIE	J	01-03-1923	90201	2004	750
000-01-4626	CHEN	CHARLIE	E	01-17-1935	90201	2004	761
000-01-4644	FARKLE	FRED	T	09-29-1933	90201	2004	769
000-01-4769	JACKSON	JOLLY	B	11-03-1944	90201	2004	857
000-01-4880	MARTIN	JANE	R	05-20-1951	90201	2004	941
000-01-4897	FREUD	SIGMUND	G	02-14-1947	90201	2004	952
000-01-5039	CLICK	CLYDE	H	09-11-1926	90201	2004	1040
000-01-5211	FONTAINE	MARGOT	I	05-28-1975	90201	2004	1169
000-01-6239	BALL	BOBBY	S	09-05-1922	90201	2005	307
000-01-6572	KINNIS	MARCELLA	O	06-04-1938	90201	2005	530
000-01-6886	DAVIS	REBEKAH	D	12-16-1963	90201	2005	722
000-01-6934	SAWYER	DIANE	T	10-29-1969	90201	2005	755
000-01-6005	HALL	TOM	H	11-16-1951	90201	2005	1192
000-01-6154	BAKERY	LAURA	C	06-28-1919	90201	2005	1278
000-01-6189	VICTORIA	QUEEN	I	07-11-1940	90201	2005	1299
000-01-6229	LUTHER	LEXIE	Z	07-14-1940	90201	2005	1325
000-01-6242	GLUCK	SADIE	F	11-06-1944	90201	2005	1334

Highlight and click "Select" to process a death certificate record

This screen contains a list of all death certificates which are probable matches to patients in a particular registry. The SSN, Last Name, First Name, Middle Name, and Birth Date from the death certificate are listed, as well as the ID number of the facility which initially created the patient. "Prev" and "Next" are used to scroll through multi-page death certificate lists, while "Cancel" returns to the Main Menu. In order to process the death certificates, highlight a record and click "Select."

Now the death certificate record is displayed side by side with the values from the patient record.

CPDMS - Mozilla Firefox
 https://kccrpdms.net/cpdms-5858/DataEntry/DeathCertForm.php

CANCER PATIENT DATA MANAGEMENT SYSTEM .net
 TONYA BRANDENBURG TRAINING DATABASE Death Certificate Update

Death Certificate Update
000-01-5536, QUEEN ELIZABETH

	Current Values	Death Certificate	Update Values
<u>Soc Sec Number</u>	000-01-5536	000-01-5536	
<u>Last Name</u>	ELIZABETH	ELIZABETH	
<u>First Name</u>	QUEEN	QUEEN	
<u>Middle Name</u>	B	B	
<u>Sex</u>	2	2	
<u>Date of Birth</u>	06/07/1951	06/07/1951	06 / 07 / 1951
<u>State of Birth</u>	ZZ	YY	YY 🔍
<u>Country of Birth</u>	ZZU	HND	HND 🔍
<u>Race 1</u>	01	99	01 🔍
<u>Race 2</u>	88	n/a	88 🔍
<u>Race 3</u>	88	n/a	88 🔍
<u>Race 4</u>	88	n/a	88 🔍
<u>Race 5</u>	88	n/a	88 🔍
<u>Spanish Origin</u>	6	5	6 Spanish NOS
<u>State of Death</u>	ZZ	KY	KY 🔍
<u>Country of Death</u>	ZZU	USA	USA 🔍
<u>Cause of Death(ICD)</u>	C71.9	C71.9	C71.9 🔍
<u>Vital Status</u>	0	0	0
<u>Patient DLC</u>	09/16/2013	09/16/2013	

Update Cancel Reject Open Patient

Choose "Cancel" at any time to return to the Death Certificate List without processing this record. Carefully compare the two records to determine that they are actually the same individual. If they are not, click the "Reject" button at the bottom of the screen. The following message appears:

Reject the Death Certificate?
 Rejecting the death certificate means this is not the same patient.
 If the death certificate is rejected, the patient will be removed from
 the death certificate list and no changes will be made to the patient.

OK Cancel

Choose "OK" to reject the link and "Cancel" to return to the death certificate update screen.

CPDMS - Mozilla Firefox
 https://kccrpdms.net/cpdms-5858/DataEntry/DeathCertForm.php

CANCER PATIENT DATA MANAGEMENT SYSTEM .net
 TONYA BRANDENBURG TRAINING DATABASE Death Certificate Update

Death Certificate Update
000-01-5536, QUEEN ELIZABETH

	Current Values	Death Certificate	Update Values
<u>Soc Sec Number</u>	000-01-5536	000-01-5536	
<u>Last Name</u>	ELIZABETH	ELIZABETH	
<u>First Name</u>	QUEEN	QUEEN	
<u>Middle Name</u>	B	B	
<u>Sex</u>	2	2	
<u>Date of Birth</u>	06/07/1951	06/07/1951	06 / 07 / 1951
<u>State of Birth</u>	ZZ	YY	YY 🔍
<u>Country of Birth</u>	ZZU	HND	HND 🔍
<u>Race 1</u>	01	99	01 🔍
<u>Race 2</u>	88	n/a	88 🔍
<u>Race 3</u>	88	n/a	88 🔍
<u>Race 4</u>	88	n/a	88 🔍
<u>Race 5</u>	88	n/a	88 🔍
<u>Spanish Origin</u>	6	5	6 Spanish NOS
<u>State of Death</u>	ZZ	KY	KY 🔍
<u>Country of Death</u>	ZZU	USA	USA 🔍
<u>Cause of Death(ICD)</u>	C71.9	C71.9	C71.9 🔍
<u>Vital Status</u>	0	0	0
<u>Patient DLC</u>	09/16/2013	09/16/2013	

If the death certificate record and patient record are truly a match, the patient and case follow-up values should now be updated.

The feature was recently added the gives the ability to open a patient in data entry from the death certificate update form.

Users may update the following patient level fields: Date of Birth, State of Birth, Country of Birth, Race 1-5, Spanish Origin, State of Death, Country of Death, and Cause of Death. The fields are filled in with default values, but these may be overwritten. The priority which CPDMS.net uses when assigning the defaults is as follows:

Date of Birth- always set to patient record value

State of Birth- set to the death certificate value if the patient record value is ZZ, or if the patient record value is less specific than the death certificate value

Country of Birth - set to the death certificate value if the patient record value is ZZU, or if the patient record value is less specific than the death certificate value

Race 1- set to death certificate value if patient record value is 99 or blank and death certificate value is not 99

Race 2-5- set to 88 if Race 1 is taken from the death certificate; otherwise set to the patient record value

Spanish Origin- set to death certificate value if the patient record is 9 OR if the patient record is 0 but the death certificate record is 1-8

State of Death - set to the death certificate value if the patient record value is ZZ, or if the patient record value is less specific than the death certificate value

Country of Death - set to the death certificate value if the patient record value is ZZU, or if the patient record value is less specific than the death certificate value

Cause of Death- always set to death certificate value

The calculated field Vital Status is set to zero and cannot be edited in the Death Certificate Update form. The Patient DLC is automatically set to the latest Case Follow- Up Date of Last Contact after the Death Certificate Update is saved.

NOTE: Due to the high frequency of inaccuracies in death certificate records, users are not given the option of editing SSN, Last Name, First Name, Middle Name, or Sex in this form. When these fields differ between the patient record and death certificate record, do **not** edit the patient record unless there is additional evidence that the death certificate record is correct. The exception to this rule is fake SSN's, which should be updated with the SSN from the death certificate. In order to update any of these fields, simply edit or key change them after escaping from this screen.

Scroll down the page to update the case follow-up record information.

The screenshot shows a web browser window titled "CPDMS - Mozilla Firefox" with the URL "https://kcrpcdms.net/cpdms-5479/DataEntry/DeathCertForm.php". The form contains the following fields:

<u>Date of Birth</u>	06/07/1951	06/07/1951	06 / 07 / 1951
<u>State of Birth</u>	ZZ	YY	YY 🔍
<u>Country of Birth</u>	ZZU	HND	HND 🔍
<u>Race 1</u>	01	99	01 🔍
<u>Race 2</u>	88	n/a	88 🔍
<u>Race 3</u>	88	n/a	88 🔍
<u>Race 4</u>	88	n/a	88 🔍
<u>Race 5</u>	88	n/a	88 🔍
<u>Spanish Origin</u>	6	5	6 Spanish NOS
<u>State of Death</u>	ZZ	KY	KY 🔍
<u>Country of Death</u>	ZZU	USA	USA 🔍
<u>Cause of Death(ICD)</u>	C71.9	C71.9	C71.9 🔍
<u>Vital Status</u>	0	0	0
<u>Patient DLC</u>	09/16/2013	09/16/2013	

CASE FOLLOW-UP: Sequence 1 Site 41

	Current Values	Update Values
<u>Date of Last Contact</u>	09/16/2013	09 / 16 / 2013
<u>Survival Status</u>	9	
<u>Cancer Status</u>	2	2 Tumor present
<u>FU Source Central</u>	60	05 State death tape/Death Certificate file
<u>Next FU Method</u>	09	09 No follow-up required
<u>Alternate FU Method</u>	09	09 No follow-up required

Buttons: Update, Cancel, Reject
ESC - Cancel, F10 - Save

The fields Date of Last Contact, Survival Status, Cancer Status, FU Source Central, Next Follow-up Method, and Alternate Follow-up Method are available for editing. As with patient level fields, the follow-up fields are assigned default values which may be overwritten. The priority for assigning these values is as follows:

Date of Last Contact- always set to death certificate value

Survival Status- set to the value in the follow-up record if value is 4-6; set to blank if value in the follow-up record is 1-3 or 9

Cancer Status- always set to value in follow-up record

FU Source Central- always set to 05 (state death tape/death certificate file) Next and Alternate FU Methods- both always set to 09 (no follow-up required)

NOTE: If a patient has more than one case, the follow-up record for each case is available for editing in the update screen.

Once all the fields have been compared and edited, click "Update."

CPDMS - Mozilla Firefox
 https://kcrpdms.net/cpdms-5479/DataEntry/DeathCertForm.php

CANCER PATIENT DATA MANAGEMENT SYSTEM .net
 TONYA BRANDENBURG TRAINING DATABASE Death Certificate Review

Death Certificate Review
 000-01-5536, QUEEN ELIZABETH

	Current Values	Death Certificate	Update Values
Soc Sec Number	000-01-5536	000-01-5536	
Last Name	ELIZABETH	ELIZABETH	
First Name	QUEEN	QUEEN	
Middle Name	B	B	
Sex	2	2	
Date of Birth	06/07/1951	06/07/1951	06/07/1951
State of Birth	ZZ	YY	YY
Country of Birth	ZZU	HND	HND
Race 1	01	99	01
Race 2	88	n/a	88
Race 3	88	n/a	88
Race 4	88	n/a	88
Race 5	88	n/a	88
Spanish Origin	6	5	6
State of Death	ZZ	KY	KY
Country of Death	ZZU	USA	USA
Cause of Death(ICD)	C71.9	C71.9	C71.9
Vital Status	0	0	0
Patient DLC	09/16/2013	09/16/2013	

CASE FOLLOW-UP: Sequence 1 Site 41

	Current Values	Update Values
Date of Last Contact	09/16/2013	09/16/2013
Survival Status	9	9

ESC - Cancel, F10 - Save

Now the fields which will be updated are shown once more and users have the opportunity to briefly review them for accuracy. Choose "Edit" to go back and change any values, "Cancel" to escape to the Death Certificate List without updating the record, or "Save" to automatically save these changes in the Patient and Case Follow-Up records. If any errors were detected by edit checks, an error message will appear. The screen will then go directly to the Data Entry Status screen, where the patient's data may be edited at that time or saved with errors. If no errors were found, the screen returns directly to the death certificate list. The death certificate which was processed no longer appears on the list.

Continue until all death certificates have been processed and the list is empty. Any death certificates which remain when a new year's group of certificates is loaded will be overwritten. If a user attempts to choose

Death Clearance from the Data Exchange menu when no death certificates are available, a message appears stating "There are no death certificates to be resolved."

Central Follow-Up

This feature allows hospitals to compare the follow-up data of their patients with that in the KCR central database. This comparison is performed monthly at the central registry, and a report is then generated for each hospital which lists the follow-up data in the central registry next to the data in the hospital registry and highlights the discrepancies. The Follow-Up report is automatically downloaded to a facility's database and users are notified via email when it is available.

Follow-up data from the central registry is listed when any of the following situations occurs: if the Date of Last Contact is later than the hospital's date, or if any of the values coded in the fields Survival Status, Type of First Recurrence, Disease Free Start Date, Date of First Recurrence, Treatment Composite First, or Treatment Composite All do not match.

In order to view the Central Follow-Up report, choose "Central Follow-Up" from the Data Exchange menu.

The screen which appears allows users to set parameters for the report. (See example below.)

The screenshot shows a web browser window titled "CPDMS Application Manager - Mozilla Firefox" with the URL "https://kcrpdms.net/cpdms-5479/DataExchange/FUP/CentralFupEntry.php". The page header includes "CANCER PATIENT DATA MANAGEMENT SYSTEM .net", "TONYA BRANDENBURG", "TRAINING DATABASE", and "Central Follow Up Report". The main content area contains the following form elements:

Specify criteria and click Submit to generate *your* Central FollowUp Report

Report Cases diagnosed between: 01 / 01 / 1980
and: 06 / 23 / 2015

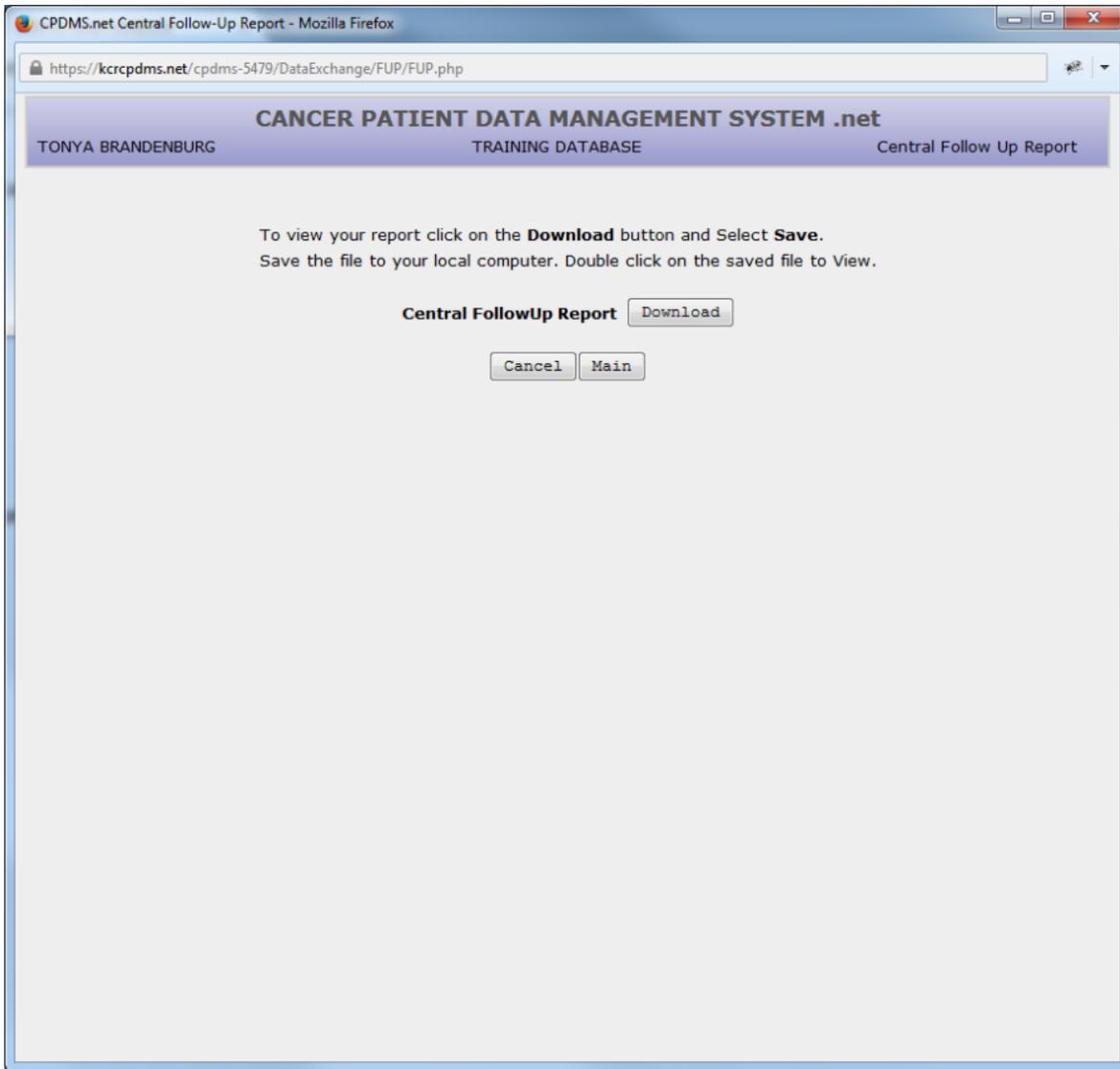
Specify the Sort Order: Name
 SSN

Skip Missing Sequences: Yes
 No

Buttons: Submit, Cancel

Users must specify a range of diagnosis dates for the cases to be included. The default range is 1/1/1980 to the present date, but this may be overwritten with any valid date range. The report can be sorted by either name (the default) or social security number. Subsequent primaries which were reported by other institutions can be displayed by choosing "No" for "Skip Missing Sequences." Change this to "Yes" to avoid including these. Click the 'Submit' button to generate the report.

The report is in HTML format, so it must be downloaded to a user's computer and viewed using a web browser. Click the "Download" button in order to save the report. Choose "Cancel" to return to the main menu.



After saving the Central Follow-Up report, double click to view it. The file should automatically open in a new window in Internet Explorer (note: it can be viewed in any web browser). A sample report is shown below.

CPDMS.net Central Follow-Up Report

90201 - TRAINING DATABASE

ALL Cases for Patients Having at Least One Case Diagnosed Between 01/01/1980 And 06/23/2015

Report Sorted by Name

Report Generated on 06/23/2015 9:43 am EDT
Central Data Current as of 11/03/2014

Color Key
 Central/Local Data Difference
 Patient Deceased in Central, Alive in Local
 Sequence/Site Missing or Different in Local

000-01-9578 ABE, MOHAMMAD		
Field	Central	Local
Seq/Site	1/21	1/21 (Acc No. 2007 1081)
Date of Last Contact or Death	11252013	09252013
Survival Status	1	1
Type of First Recurrence	00	00
First Disease Free Start Date	04022008	04022008
Date of First Recurrence	0	0
Tx Composite (First)	4	4
Tx Composite (All)	4	4
Last Follow-up Hosp Id	90201 TRAINING DATABASE	
Other Involved Inst	111182 (Class of Case 2)	
000-00-9539 ALLEY, KIRSTIE		
Field	Central	Local
Seq/Site	1/29	1/29 (Acc No. 2000 681)
Date of Last Contact or Death	12242013	12182013

The report lists the facility ID number and name, and the date and sorting parameters which were chosen. Each patient is listed with the values from the central database (on the left) and the local registry database (on the right) for the fields Date Last Contact, Survival Status, Type of First Recurrence, Disease Free Start Date, Date of First Recurrence, Treatment Composite First, and Treatment Composite All. Any difference between the values in central versus local is highlighted in pink, with the exception of discrepancies in Survival Status, which are in red. If a user has chosen to include subsequent record sequences which are in central but not in the local database, these will be listed and highlighted in blue. The ID number and name of the institution which was the source of the data in central is listed, as well as the ID number and class of case of any other facilities associated with that record.