

# Module: family-history

## Module Contents

### family

1. [CENTER\\_NO](#)
2. [FAMILY\\_ID \(PK\\*\)](#)
3. [CTR\\_SUB](#)
4. [FSRC](#)
5. [FRSTDATE](#)
6. [FRSTEST](#)
7. [BASELINE\\_CUTOFF](#)
8. [ASHKENAZI](#)

1	<b>CENTER_NO</b>	number (2,0)	Required: true
Center Identification Number			

Allowable Values	
11	Sinai Health Systems (formerly Cancer Care Ontario)
12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
13	University of Melbourne
14	University of Hawaii Cancer Center
15	Mayo Clinic
16	Fred Hutch, Seattle
17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>FAMILY_ID (PK*)</b>	string (9)	Required: true
Family identification number uniquely identifying a family. Consists of concatenated CENTER_NO (2 digits; digits 1-2) + local family number (7 digits; digits 3-9). The last portion of the number (7 digit part) should be right justified, zero filled. Ex: Family Id 12345 from Philadelphia Breast Center should be: 010012345 or 10012345 Ex: Family Id 12345 from Australia Colon Center should be: 130012345. *This field is a Primary Key for the table.			

3	<b>CTR_SUB</b>	string (2)	Required: false
Center subsite location (determined by institution).			

Allowable Values	
01	Dartmouth
02	USC
03	Uni of Colorado
04	Uni of Arizona
05	Cleveland Clinic
06	UNC
07	Uni of Minnesota
13	Cases 18-44
14	Cases 45-49
15	Cases 18-44 2003+
16	Cases 45-49 2003+
17	Cases 18-44 preNIH Ph II

18	Cases 45-49 preNIH Ph II
23	Controls 18-44
24	Controls 45-49
31	Clinic Ph I
32	Clinic Ph II
33	Clinic Ph III
32	Clinic Cases with Frozen Tissue
55	Ph I Clinic-Based (Mayo Clinic)
56	Ph I Clinic-Based (Nth Central Ca Tx Center)
57	Ph I Pop-Based (Minnesota Ca Surveillance System)
58	Ph I Other Clinic-Based
65	Ph II Clinic-Based (Mayo Clinic)
67	Ph II Pop-Based (Minnesota Ca Surveillance System)
68	Ph II Other Clinic-Based
75	Ph III Clinic-Based (Mayo Clinic)
78	Ph III Other Clinic-Based

Error Description
If CENTER_NO = 12 then CTR_SUB must be in (01,02,03,04,05,06,07)
If CENTER_NO = 13 then CTR_SUB must be in(13,14,15,16,17,18,23,24,31,32,33)
If CENTER_NO = 15 then CTR_SUB must be in (32,55,56,57,58,65,67,68,75,78)

4	<b>FSRC</b>	number (1,0)	Required: true
Source of family/proband.			

Allowable Values	
1	Population-based (cancer registry)
2	Clinic (non-population based)

5	<b>FRSTDATE</b>	string (8)	Required: true
Date proband first identified. E.g. date of diagnosis of incident case in cancer registry or date of first visit to clinic or date first identified to study.			

6	<b>FRSTEST</b>	number (1,0)	Required: false
Accuracy of date identified/recruited.			

Allowable Values	
1	Exact
2	Within 1 year
3	Within 1+ to 5 years
4	Within 5+ to 10 years

- 5 10 or more years
- 9 Unknown

7	<b>BASELINE_CUTOFF</b>	string (8)	Required: false
Date when the complete initial family history interview/information was received.			

Date Value Check

The date must follow to the following format:

Format YYYYMMDD. Must consist of valid date.  
 Components of date should be right justified and zero filled.  
 MM = 01 - 12, 88, 99  
 DD = 01 - 31, 88, 99  
 YYYY = **Minimum year** - system date year, 8888, 9999  
 Use 88, 8888 for not currently known, in progress to obtain information.  
 Use 99, 9999 for not known.  
 If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.  
 If MM = 99 then DD must = 99.  
 If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.  
 If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

<b>Format YYYYMMDD</b>	
<b>YYYY</b>	1997 (Minimum year) - system date year, 8888, 9999
<b>MM</b>	01 - 12, 88, 99
<b>DD</b>	01 - 31, 88, 99

8	<b>ASHKENAZI</b>	number (1,0)	Required: true
Flag to indicate whether proband is of Ashkenazi Jewish descent			

- Allowable Values

  - 1 Yes
  - 2 No
  - 9 Unknown

# Module: family-history

## Module Contents

### family-membership

1. [CENTER\\_NO](#)
2. [FAMILY\\_ID \(PK\\*\)](#)
3. [PERSON\\_ID \(PK\\*\)](#)
4. [PROBAND\\_FLG](#)
5. [PROBAND\\_TYPE](#)
6. [SPOUSE\\_CONTROL\\_ID](#)
7. [FUNDING\\_PHASE](#)
8. [PROB\\_WGT](#)
9. [PROB\\_RESP\\_WGT](#)
10. [P\\_FRACTION](#)
11. [P\\_POP\\_TYPE](#)
12. [LINEAGE](#)
13. [RELATION\\_CODE](#)

1	<b>CENTER_NO</b>	number (2,0)	Required: true
Center Identification Number			

Allowable Values	
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<b>12</b>	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
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2	<b>FAMILY_ID (PK*)</b>	string (9)	Required: true
Family identification number uniquely identifying a family. Consists of concatenated CENTER_NO (2 digits; digits 1-2) + local family number (7 digits; digits 3-9). The last portion of the number (7 digit part) should be right justified, zero filled. Ex: Family Id 12345 from Australia Colon Center should be: 130012345. *FAMILY_ID + PERSON_ID are the primary key for the table.			

3	<b>PERSON_ID (PK*)</b>	string (12)	Required: true
Number that uniquely identifies an individual. Consists of concatenation of CENTER_NO (2 digit; digits 1-2) + (10 digit local unique individual id; digits 3-12). The 10 digit individual number component should be right justified, zero filled. Ex: Individual Id 98765 from Australia Colon Center should be: 130000098765. *FAMILY_ID + PERSON_ID are the primary key for the table.			

4	<b>PROBAND_FLG</b>	number (1,0)	Required: false
Flag indicated that individual is the proband. Note: multiple records within a family may be flagged as a proband for families sampled with population-based criteria.			

Allowable Values	
<b>1</b>	First identified or only proband
<b>2</b>	Second identified proband
<b>3</b>	Third identified proband
<b>4</b>	Forth identified proband
<b>5</b>	Fifth identified proband

5	<b>PROBAND_TYPE</b>	number (1,0)	Required:false																		
Type of proband.																					
<table border="1"> <tr> <td colspan="2">Allowable Values</td> </tr> <tr> <td>1</td> <td>Affected proband (Affected with a CRC)</td> </tr> <tr> <td>2</td> <td>Unaffected proband (Do not have colorectal cancer)</td> </tr> <tr> <td>3</td> <td>Population-based control</td> </tr> <tr> <td>4</td> <td>Recruited as population-based control , later developed colorectal cancer and ascertained as an affected proband</td> </tr> </table>				Allowable Values		1	Affected proband (Affected with a CRC)	2	Unaffected proband (Do not have colorectal cancer)	3	Population-based control	4	Recruited as population-based control , later developed colorectal cancer and ascertained as an affected proband								
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6	<b>SPOUSE_CONTROL_ID</b>	string (12)	Required:false																		
Person _id of corresponding individuals that are linked together as proband/individual and spouse control. For example, the proband/individual record would have the spouse_control_id set to the person_id of their spouse. A proband or a family member may have a spouse control but the spouse may not have the proband as a spouse control. Note: this field should only be used in the situation that spouses are recruited specifically for serving as a control.																					
7	<b>FUNDING_PHASE</b>	number (1,0)	Required:false																		
Funding phase/source for recruitment of proband/family.																					
<table border="1"> <tr> <td colspan="2">Allowable Values</td> </tr> <tr> <td>1</td> <td>Phase 1, initial funding (first 5 years of funding, colon centers 4 years of funding)</td> </tr> <tr> <td>2</td> <td>Phase 2, renewal funding</td> </tr> <tr> <td>3</td> <td>Ashkenazi supplement (only applicable for Breast centers)</td> </tr> <tr> <td>4</td> <td>Interim one year funding</td> </tr> <tr> <td>5</td> <td>Non-NIH Funding Source</td> </tr> <tr> <td>6</td> <td>Non-participation for Phase 1, Participating in Phase 2</td> </tr> <tr> <td>7</td> <td>Minority RO1 Funding</td> </tr> <tr> <td>8</td> <td>Phase III, second renewal funding (third 5 years of funding)</td> </tr> </table>				Allowable Values		1	Phase 1, initial funding (first 5 years of funding, colon centers 4 years of funding)	2	Phase 2, renewal funding	3	Ashkenazi supplement (only applicable for Breast centers)	4	Interim one year funding	5	Non-NIH Funding Source	6	Non-participation for Phase 1, Participating in Phase 2	7	Minority RO1 Funding	8	Phase III, second renewal funding (third 5 years of funding)
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8	<b>PROB_WGT</b>	number (9,6)	Required:false																		
Weight for population-based probands that does NOT take response/participation rates into account.																					
9	<b>PROB_RESP_WGT</b>	number (9,6)	Required:false																		
Weight for population-based probands that takes response/participation rates into account.																					
10	<b>P_FRACTION</b>	number (4,3)	Required:false																		
The sampling fraction, based on ascertainment criteria such as family history, ethnicity, age of diagnosis etc. The probability of being sampled. It does not take response/participation rates into account. Applicable to population-based probands.																					
11	<b>P_POP_TYPE</b>	number (1,0)	Required:false																		
Type of recruitment for population-based probands.																					
<table border="1"> <tr> <td colspan="2">Allowable Values</td> </tr> <tr> <td>1</td> <td>Incident: The CRC is the subjects first CRC diagnosis, and it was made during the CFR recruitment period</td> </tr> <tr> <td>2</td> <td>Previous Incident: The qualifying tumor is an incident or 'first CRC', but the diagnosis date is prior to the CFR recruitment period. In other words, the proband had one CRC diagnosis up to enrollment in the CFR, prior to the 'CFR recruitment period'.</td> </tr> <tr> <td></td> <td>Second primary (previously referred to as 'prevalent'). The qualifying tumor is not the first CRC. In other words, the participant</td> </tr> </table>				Allowable Values		1	Incident: The CRC is the subjects first CRC diagnosis, and it was made during the CFR recruitment period	2	Previous Incident: The qualifying tumor is an incident or 'first CRC', but the diagnosis date is prior to the CFR recruitment period. In other words, the proband had one CRC diagnosis up to enrollment in the CFR, prior to the 'CFR recruitment period'.		Second primary (previously referred to as 'prevalent'). The qualifying tumor is not the first CRC. In other words, the participant										
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**3** had one or more CRC diagnoses prior to a CRC diagnosis during the CFR recruitment period. The new (or subsequent) CRC is flagged as the 'qualifying tumor'.

**9** Unknown

**LINEAGE**

number (1,0)

Required: false

Maternal or Paternal or Both to be used in conjunction with the relation\_code to denote lineage

Allowable Values

**1** PATERNAL

**2** MATERNAL

**3** BOTH

**RELATION\_CODE**

string (3)

Required: true

An internal code to describe the individuals relationship to the primary proband (proband\_flag ; 1 First identified or only proband) in a family. Will serve as a foreign key to a new relationship meta-table that contains the code, degree of relationship, English description of the relationship and potentially other attributes.

Code1	Degree	Description	Common Name
OSO	0	Self	Proband
OS1	1	Child	Daughter/son
OS2	2	Grandchild	Granddaughter/son
OS3	3	Great grandchild	Great granddaughter/son
OTO	0	Twin sibling (identical)	Sister/brother
OFO	1	Full sibling	Sister/brother
OHO	2	Half sibling	Sister/brother
OOU	2	Unkn sibling (one parent is unknown)	Sister/brother
OT1	1	Twin siblings child	Niece/nephew
OT2	2	Twin siblings grandchild	Grandniece/nephew
OT3	3	Twin siblings great grandchild	Great grandniece/nephew
OF1	2	Full siblings child	Niece/nephew
OF2	3	Full siblings grandchild	Grandniece/nephew
OF3	4	Full siblings great grandchild	Great grandniece/nephew
OH1	3	Half siblings child	Niece/nephew
OH2	4	Half siblings grandchild	Grandniece/nephew
OH3	5	Half siblings great grandchild	Great grandniece/nephew
OOU1	3	Unkn siblings child	Niece/nephew
OOU2	4	Unkn siblings grandchild	Grandniece/nephew
OOU3	5	Unkn siblings great grandchild	Great grandniece/nephew
1SO	1	Parent	Mother/father
2SO	2	Grandparent	Grandmother/father

<b>3SO</b>	3	Great grandparent	Great grandmother/father
<b>4SO</b>	4	Great-great grandparent	Great-great grandmother/father
<b>1TO</b>	1	Parents twin sibling	Aunt/uncle
<b>1FO</b>	2	Parents full sibling	Aunt/uncle
<b>1HO</b>	3	Parents half sibling	Aunt/uncle
<b>1UO</b>	3	Parents unkn sibling	Aunt/uncle
<b>1T1</b>	2	Parents twin siblings child	1st cousin
<b>1T2</b>	3	Parents twin siblings grandchild	1st cousin 1x rem
<b>1T3</b>	4	Parents twin siblings great grandchild	1st cousin 2x rem
<b>1T4</b>	5	Parents twin siblings great-great grandchild	1st cousin 3x rem
<b>1F1</b>	3	Parents full siblings child	1st cousin
<b>1F2</b>	4	Parents full siblings grandchild	1st cousin 1x rem
<b>1F3</b>	5	Parents full siblings great grandchild	1st cousin 2x rem
<b>1F4</b>	6	Parents full siblings great-great grandchild	1st cousin 3x rem
<b>1H1</b>	4	Parents half siblings child	1st cousin
<b>1H2</b>	5	Parents half siblings grandchild	1st cousin 1x rem
<b>1H3</b>	6	Parents half siblings great grandchild	1st cousin 2x rem
<b>1H4</b>	7	Parents half siblings great-great grandchild	1st cousin 3x rem
<b>1U1</b>	4	Parents unkn siblings child	1st cousin
<b>1U2</b>	5	Parents unkn siblings grandchild	1st cousin 1x rem
<b>1U3</b>	6	Parents unkn siblings great grandchild	1st cousin 2x rem
<b>1U4</b>	7	Parents unkn siblings great-great grandchild	1st cousin 3x rem
<b>2TO</b>	2	Grandparents twin sibling	Grandaunt/uncle
<b>2FO</b>	3	Grandparents full sibling	Grandaunt/uncle
<b>2HO</b>	4	Grandparents half sibling	Grandaunt/uncle
<b>2UO</b>	4	Grandparents unkn sibling	Grandaunt/uncle
<b>2T1</b>	3	Grandparents twin siblings child	1st cousin 1x rem
<b>2T2</b>	4	Grandparents twin siblings grandchild	2nd cousin
<b>2T3</b>	5	Grandparents twin siblings great grandchild	2nd cousin 1x rem
<b>2T4</b>	6	Grandparents twin siblings great-great grandchild	2nd cousin 2x rem
<b>2T5</b>	7	Grandparents twin siblings great-great-great grandchild	2nd cousin 3x rem
<b>2F1</b>	4	Grandparents full siblings child	1st cousin 1x rem
<b>2F2</b>	5	Grandparents full siblings grandchild	2nd cousin
<b>2F3</b>	6	Grandparents full siblings great grandchild	2nd cousin 1x rem
<b>2F4</b>	7	Grandparents full siblings great-great grandchild	2nd cousin 2x rem
<b>2F5</b>	8	Grandparents full siblings great-great-great grandchild	2nd cousin 3x rem
<b>2H1</b>	5	Grandparents half siblings child	1st cousin 1x rem

<b>2H2</b>	6	Grandparents half siblings grandchild	2nd cousin
<b>2H3</b>	7	Grandparents half siblings great grandchild	2nd cousin 1x rem
<b>2H4</b>	8	Grandparents half siblings great-great grandchild	2nd cousin 2x rem
<b>2H5</b>	9	Grandparents half siblings great-great-great grandchild	2nd cousin 3x rem
<b>2U1</b>	5	Grandparents unkn siblings child	1st cousin 1x rem
<b>2U2</b>	6	Grandparents unkn siblings grandchild	2nd cousin
<b>2U3</b>	7	Grandparents unkn siblings great grandchild	2nd cousin 1x rem
<b>2U4</b>	8	Grandparents unkn siblings great-great grandchild	2nd cousin 2x rem
<b>2U5</b>	9	Grandparents unkn siblings great-great-great grandchild	2nd cousin 3x rem
<b>3T0</b>	3	Great grandparents twin sibling	Great grandaunt/uncle
<b>3F0</b>	4	Great grandparents full sibling	Great grandaunt/uncle
<b>3H0</b>	5	Great grandparents half sibling	Great grandaunt/uncle
<b>3U0</b>	5	Great grandparents unkn sibling	Great grandaunt/uncle
<b>3T1</b>	4	Great grandparents twin siblings child	2nd cousin 2x rem
<b>3T2</b>	5	Great grandparents twin siblings grandchild	2nd cousin 1x rem
<b>3T3</b>	6	Great grandparents twin siblings great grandchild	3rd cousin
<b>3T4</b>	7	Great grandparents twin siblings great-great grandchild	3rd cousin 1x rem
<b>3T5</b>	8	Great grandparents twin siblings great-great-great grandchild	3rd cousin 2x rem
<b>3T6</b>	9	Great grandparents twin siblings great-great-great-great grandchild	3rd cousin 3x rem
<b>3F1</b>	5	Great grandparents full siblings child	2nd cousin 2x rem
<b>3F2</b>	6	Great grandparents full siblings grandchild	2nd cousin 1x rem
<b>3F3</b>	7	Great grandparents full siblings great grandchild	3rd cousin
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<b>3H5</b>	10	Great grandparents half siblings great-great-great grandchild	3rd cousin 2x rem
<b>3H6</b>	11	Great grandparents half siblings great-great-great-great grandchild	3rd cousin 3x rem
<b>3U1</b>	6	Great grandparents unkn siblings child	2nd cousin 2x rem
<b>3U2</b>	7	Great grandparents unkn siblings grandchild	2nd cousin 1xrem
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<b>3U6</b>	11	Great grandparents unkn siblings great-great-great-great grandchild	3rd cousin 3x rem



<b>BLO</b>	3	Blood relation - other	Blood relation - other
<b>NBS</b>	1	Non-blood relation - proband spouse	Non-blood relation - proband spouse
<b>NBO</b>	1	Non-blood relation - other	Non-blood relation - other
<b>XXX</b>	9	Relationship is completely unknown	Unknown

# Module: family-history

## Module Contents

### individual

1. [CENTER\\_NO](#)
2. [PERSON\\_ID \(\\*PK\)](#)
3. [PERSON\\_CID](#)
4. [MOTHER\\_ID](#)
5. [FATHER\\_ID](#)
6. [TWIN\\_ID](#)
7. [TWIN\\_TYPE](#)
8. [SEX](#)
9. [VS](#)
10. [LIVEDATE](#)
11. [LIVEDATESRC](#)
12. [DTHDATE](#)
13. [DTHDATESRC](#)
14. [AGE\\_DEATH](#)
15. [AGE\\_DEATH\\_EST](#)
16. [DOB](#)
17. [BIREST](#)
18. [INDIVSRC](#)
19. [BLOOD](#)
20. [BUCCAL\\_SALIVA](#)
21. [EPI\\_Q\\_COLON](#)
22. [COLON\\_1ST\\_FU](#)
23. [COLON\\_2ND\\_FU](#)
24. [COLON\\_3RD\\_FU](#)
25. [COLON\\_4TH\\_FU](#)
26. [DIET\\_Q\\_HI](#)
27. [DIET\\_Q\\_AUS](#)
28. [CLINICAL\\_COLON](#)
29. [RACE\\_SOURCE](#)
30. [ADDITIONAL\\_RACE\\_COLON](#)

1	<b>CENTER_NO</b>	number (2,0)	Required: true																
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3	<b>PERSON_CID</b>	string (30)	Required: false																
	The external person ID (or concatenated set of IDs) that is local to the submitting center.																		
4	<b>MOTHER_ID</b>	string (12)	Required: false																
	Person identification number (PERSON_ID) of mother. Consists of concatenation of CENTER_NO (2 digit) + (10 digit local unique individual id). The 10 digit individual number component should be right justified, zero filled.																		

5	<b>FATHER_ID</b>	string (12)	Required: false										
Identification number (PERSON_ID) of father.													
6	<b>TWIN_ID</b>	string (12)	Required: false										
Identification number (PERSON_ID) of the corresponding twin. Example: Persons 3 and 4 are twins. Person 3 = 02000008763 Person 4 = 02000008764 Example: Persons 3, 4, and 5 are triplets. Code as follows: Person 3 = 02000008763 Person 4 = 02000008764 Person 5 = 02000008765													
7	<b>TWIN_TYPE</b>	number (1,0)	Required: false										
Type of twin.													
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">Allowable Values</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Monozygous</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Dizygous</td> </tr> <tr> <td style="text-align: center;">9</td> <td>Twin, type unknown</td> </tr> </tbody> </table>				Allowable Values		1	Monozygous	2	Dizygous	9	Twin, type unknown		
Allowable Values													
1	Monozygous												
2	Dizygous												
9	Twin, type unknown												
8	<b>SEX</b>	number (1,0)	Required: true										
Sex of the individual.													
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">Allowable Values</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Male</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Female</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Other</td> </tr> <tr> <td style="text-align: center;">9</td> <td>Unknown</td> </tr> </tbody> </table>				Allowable Values		1	Male	2	Female	3	Other	9	Unknown
Allowable Values													
1	Male												
2	Female												
3	Other												
9	Unknown												
9	<b>VS</b>	number (1,0)	Required: true										
Vital Status of individual.													
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">Allowable Values</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Alive</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Dead</td> </tr> <tr> <td style="text-align: center;">9</td> <td>Unknown</td> </tr> </tbody> </table>				Allowable Values		1	Alive	2	Dead	9	Unknown		
Allowable Values													
1	Alive												
2	Dead												
9	Unknown												
10	<b>LIVEDATE</b>	string (8)	Required: true										
The most recent date a subject is known to be living. This is the last date the subject is known to be alive. There are multiple sources of information that can be used to obtain this date. Acceptable sources are listed in LIVEDATESRC. Upon notification of the death of the subject, the LIVEDATE should remain unchanged and VS should be updated to 2-dead and DTHDATE and DTHDATESRC, AGE_DEATH and AGE_DEATH_EST populated.													

Date Value Check
<p>The date must follow to the following format:</p> <p>Format YYYYMMDD. Must consist of valid date.  Components of date should be right justified and zero filled.  MM = 01 - 12, 88, 99  DD = 01 - 31, 88, 99  YYYY = <b>Minimum year</b> - system date year, 8888, 9999  Use 88, 8888 for not currently known, in progress to obtain information.</p>

Use 99, 9999 for not known.  
 If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.  
 If MM = 99 then DD must = 99.  
 If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.  
 If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

<b>Format YYYYMMDD</b>	
<b>YYYY</b>	1700 (Minimum year) - system date year, 8888, 9999
<b>MM</b>	01 - 12, 88, 99
<b>DD</b>	01 - 31, 88, 99

11	<b>LIVEDATESRC</b>	number (2,0)	Required:true
Source of information for LIVEDATE			

Allowable Values

- |    |   |
|----|---|
| 1  | Self representation either by conducting a study activity in person, by telephone, or by mail. These could include completing a survey, signing a study document, providing a blood sample, etc |
| 2  | Relative (or Respondent) report that a subject is living  |
| 3  | Linkage with national death indices, such as the NDI and NDI+, where the OMISSION of a subject presumes he/she is living (consensus advised).   |
| 4  | Linkage with state death indices, such as through the health department where the OMISSION of a subject presumes he/she is living (consensus advised)   |
| 5  | Linkage with another information source that reports an activity that indicates the subject is living, such as current use of social security benefits, credit report                           |
| 6  | Hospital record, medical file that reports contact with or a procedure performed on subject.  |
| 7  | SEER, which reports the last date they know the subject is known to be alive.   |
| 8  | State Cancer registry, which reports the last date they know the subject to be alive.   |
| 9  | Other, for example specialized genealogy  |
| 99 | Unknown   |

12	<b>DTHDATE</b>	string (8)	Required:false
The date of death. There are multiple sources of information that can be used to obtain this date. Acceptable sources are listed in DTHDATESRC.			

Date Value Check
<p>The date must follow to the following format:</p> <p>Format YYYYMMDD. Must consist of valid date.          Components of date should be right justified and zero filled.          MM = 01 - 12, 88, 99          DD = 01 - 31, 88, 99          YYYY = <b>Minimum year</b> - system date year, 8888, 9999          Use 88, 8888 for not currently known, in progress to obtain information.          Use 99, 9999 for not known.          If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.          If MM = 99 then DD must = 99.          If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.          If YYYY = 9999 then MM and DD must = 99.</p> <p>The following special parameters are used:</p>

<b>Format YYYYMMDD</b>	
<b>YYYY</b>	1700 (Minimum year) - system date year, 8888, 9999
<b>MM</b>	01 - 12, 88, 99
<b>DD</b>	01 - 31, 88, 99

<b>Error Description</b>
If VS is 2 then DTHDATE must not be null
If VS is not 2 then DTHDATE must be null
Date of death must be equal to or after date of birth
LIVEDATE must be less DTHDATE

13	<b>DTHDATESRC</b>	number (2,0)	Required:false
Source of information reporting subject is deceased			

Allowable Values

<b>1</b>	Relative (or Respondent) report of subject death
<b>2</b>	Linkage with national death indices (e.g., NDI, NDI+)
<b>3</b>	Linkage with another information source that reports termination of services due to death (e.g., social security benefits, medicare, medicaid).
<b>4</b>	Hospital record, medical file that reports
<b>5</b>	SEER
<b>6</b>	State Cancer registry
<b>7</b>	State Death Indices (e.g., through the health department)
<b>8</b>	Death certificate
<b>9</b>	Obituary
<b>10</b>	Other (e.g., specialized genealogy research)
<b>99</b>	Unknown

<b>Error Description</b>
If VS is not 2 then DTHDATESRC must be null
If VS is 2 then DTHDATESRC must not be null

14	<b>AGE_DEATH</b>	number (3,0)	Required:false
Age at death. Coding for this field is based on SEER, NAACCR and ACoS guidelines.			

Allowable Values

<b>998</b>	Less than 1 year
<b>999</b>	Unknown

15	<b>AGE_DEATH_EST</b>	number (1,0)	Required:false
Accuracy of age of death.			

Allowable Values	
------------------	--

- |   |                       |
|---|-----------------------|
| 1 | Exact                 |
| 2 | Within 1 year         |
| 3 | Within 1+ to 5 years  |
| 4 | Within 5+ to 10 years |
| 5 | 10 or more years      |
| 9 | Unknown               |

16	<b>DOB</b>	string (8)	Required: true
	Date of birth.		

Date Value Check									
<p>The date must follow to the following format:</p> <p>Format YYYYMMDD. Must consist of valid date.          Components of date should be right justified and zero filled.          MM = 01 - 12, 88, 99          DD = 01 - 31, 88, 99          YYYY = <b>Minimum year</b> - system date year, 8888, 9999          Use 88, 8888 for not currently known, in progress to obtain information.          Use 99, 9999 for not known.          If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.          If MM = 99 then DD must = 99.          If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.          If YYYY = 9999 then MM and DD must = 99.</p> <p>The following special parameters are used:</p> <table border="1"> <tr> <td><b>Format YYYYMMDD</b></td> <td></td> </tr> <tr> <td><b>YYYY</b></td> <td>1700 (Minimum year) - system date year, 8888, 9999</td> </tr> <tr> <td><b>MM</b></td> <td>01 - 12, 88, 99</td> </tr> <tr> <td><b>DD</b></td> <td>01 - 31, 88, 99</td> </tr> </table>		<b>Format YYYYMMDD</b>		<b>YYYY</b>	1700 (Minimum year) - system date year, 8888, 9999	<b>MM</b>	01 - 12, 88, 99	<b>DD</b>	01 - 31, 88, 99
<b>Format YYYYMMDD</b>									
<b>YYYY</b>	1700 (Minimum year) - system date year, 8888, 9999								
<b>MM</b>	01 - 12, 88, 99								
<b>DD</b>	01 - 31, 88, 99								

<b>Error Description</b>
must be a valid date of format YYYYMMDD

17	<b>BIREST</b>	number (1,0)	Required: true
	Accuracy of date of birth.		

- |                  |                       |
|------------------|-----------------------|
| Allowable Values |                       |
| 1                | Exact                 |
| 2                | Within 1 year         |
| 3                | Within 1+ to 5 years  |
| 4                | Within 5+ to 10 years |
| 5                | 10 or more years      |
| 9                | Unknown               |

18	<b>INDIVSRC</b>	number (1,0)	Required: true
Source of information for individual family member.			

Allowable Values			
0	Self		
1	1st degree relative		
2	2nd degree relative		
3	Other relative		
4	Other		
5	Dummy record (i.e. dummy spouse or parent)		
9	Unknown		

19	<b>BLOOD</b>	number (1,0)	Required: true
Status of blood specimen.			

Allowable Values			
0	Not needed / not applicable		
1	Needed, but can't get (e.g. deceased, overseas, etc.)		
2	Needed, Pending		
3	Blood received		
4	Refusal from patient		
6	Sample lost or destroyed		

20	<b>BUCCAL_SALIVA</b>	number (1,0)	Required: false

Allowable Values			
0	Not needed, not applicable		
1	Needed, but cannot get (e.g. deceased, overseas, etc.)		
2	Needed, pending		
3	Buccal_Saliva received		
4	Refusal from patient		
6	Sample lost or destroyed		

21	<b>EPI_Q_COLON</b>	number (1,0)	Required: false
Status of colon epidemiology questionnaire.			

Allowable Values			
0	Not needed / not applicable		
1	Needed, not requested yet		
2	Questionnaire requested, pending		

- 3 Questionnaire received, completed personally
- 4 Questionnaire completed by proxy
- 5 Refused
- 6 Needed but can't get (i.e. language, disability, etc.)
- 7 Deceased

22	<b>COLON_1ST_FU</b>	number (1,0)	Required: false
Status of the First Colon Follow Up questionnaire administered after the Baseline questionnaire.			

- |                            |   |
|----------------------------|---|
| Allowable Values           |   |
| <input type="checkbox"/> 0 | Not needed / not applicable   |
| <input type="checkbox"/> 1 | Needed, not requested yet   |
| <input type="checkbox"/> 2 | Questionnaire requested, pending                                    |
| <input type="checkbox"/> 3 | Questionnaire received  |
| <input type="checkbox"/> 5 | Refused (unable to complete/contact but will re-attempt next phase) |
| <input type="checkbox"/> 6 | Permanently Lost (i.e. Withdrew, medically incapable etc )          |
| <input type="checkbox"/> 7 | Deceased  |

23	<b>COLON_2ND_FU</b>	number (1,0)	Required: false
Status of the Second Colon Follow Up questionnaire administered after the Baseline questionnaire.			

- |                            |   |
|----------------------------|---|
| Allowable Values           |   |
| <input type="checkbox"/> 0 | Not needed / not applicable   |
| <input type="checkbox"/> 1 | Needed, not requested yet   |
| <input type="checkbox"/> 2 | Questionnaire requested, pending                                    |
| <input type="checkbox"/> 3 | Questionnaire received  |
| <input type="checkbox"/> 5 | Refused (unable to complete/contact but will re-attempt next phase) |
| <input type="checkbox"/> 6 | Permanently Lost (i.e. Withdrew, medically incapable etc )          |
| <input type="checkbox"/> 7 | Deceased  |

24	<b>COLON_3RD_FU</b>	number (1,0)	Required: false
Status of the Third Colon Follow Up questionnaire administered after the Baseline questionnaire.			

- |                            |   |
|----------------------------|---|
| Allowable Values           |   |
| <input type="checkbox"/> 0 | Not needed / not applicable   |
| <input type="checkbox"/> 1 | Needed, not requested yet   |
| <input type="checkbox"/> 2 | Questionnaire requested, pending                                    |
| <input type="checkbox"/> 3 | Questionnaire received  |
| <input type="checkbox"/> 5 | Refused (unable to complete/contact but will re-attempt next phase) |
| <input type="checkbox"/> 6 | Permanently Lost (i.e. Withdrew, medically incapable etc )          |



7	Deceased
---	----------

25	<b>COLON_4TH_FU</b>	number (1,0)	Required:false
Status of the Fourth Colon Follow Up questionnaire administered after the Baseline questionnaire.			

Allowable Values	
0	Not needed / not applicable
1	Needed, not requested yet
2	Questionnaire requested, pending
3	Questionnaire received
5	Refused (unable to complete/contact but will re-attempt next phase)
6	Permanently Lost (i.e. Withdrew, medically incapable etc )
7	Deceased

26	<b>DIET_Q_HI</b>	number (1,0)	Required:false
Status of Hawaiian Diet Questionnaire.			

Allowable Values	
0	Not needed / not applicable
1	Needed, not requested yet
2	Questionnaire requested, pending
3	Questionnaire received
5	Refused
6	Needed but can't get (i.e. language, disability, etc.)
7	Deceased

27	<b>DIET_Q_AUS</b>	number (1,0)	Required:false
Status of Australian diet questionnaire.			

Allowable Values	
0	Not needed / not applicable
1	Needed, not requested yet
2	Questionnaire requested, pending
3	Questionnaire received
5	Refused
6	Needed but can't get (i.e. language, disability, etc.)
7	Deceased

28	<b>CLINICAL_COLON</b>	number (1,0)	Required:false
----	-----------------------	--------------	----------------

Consent for clinical data collected in clinical treatment module.

Allowable Values

- |   |  |
|---|--|
| 0 | Not needed / not applicable  |
| 1 | Needed, can't get (hospital has no records/ correct hospital cannot be identified) |
| 2 | Needed, pending consent  |
| 3 | Records received   |
| 4 | Consent received records pending   |
| 5 | Refused- consent   |
| 6 | Needed- but can't consent (lost contact/deceased, no proxy etc.)                   |

**Error Description**

If CENTER\_NO=17 then CLINICAL\_COLON must be null

If CENTER\_NO does not equal 17 then must not be null

29

**RACE\_SOURCE**

number (1,0)

Required:false

Source of race/ethnicity information.

Allowable Values

- |   |  |
|---|--|
| 1 | Epidemiology questionnaire self report |
| 2 | Other questionnaire self report        |
| 3 | Epidemiology questionnaire proxy       |
| 4 | Other questionnaire proxy              |
| 5 | Cancer registry                        |
| 6 | Other external source                  |

30

**ADDITIONAL\_RACE\_COLON**

number (2,0)

Required:false

Self reported Race/ethnicity from source(s) other than Epi or FUP Epi questionnaire. This includes race reported via other questionnaires such as family history questionnaire, information provided during blood/saliva collection, verbal information, etc. For consistency and comparability with the EPI or EPIFU RACE variables, only self reported information will be provided and only for those individuals who did not provide RACE information or did not complete Epi questionnaire.

Allowable Values

- |   |  |
|---|--|
| 1 | CAUCASIAN/WHITE  |
| 2 | BLACK OR AFRICAN AMERICAN (does not include Africans or persons of Caribbean origin) |
| 3 | Latino, Hispanic, Mexican American, Mexican, Cuban, Puerto Rican                     |
| 4 | JAPANESE (includes Okinawan)   |
| 5 | CHINESE  |
| 6 | FILIPINO, MALAY, INDONESIAN  |
| 7 | KOREAN   |
| 8 | SOUTHEAST ASIAN (such as Vietnamese, Laotian, Thai, Hmong, Kampuchean)               |
| 9 | SOUTH ASIAN (such as Indian, Pakistani, Sri Lankan)                                  |

<b>10</b>	NATIVE AMERICAN (such as Inuit, Aleutuan, First Nations Person)
<b>11</b>	POLYNESIAN (such as Hawiian, Maori, Samoan, Tongan, Tahitian, Cook Islander)
<b>12</b>	MICRONESIAN (such as Chmorro)
<b>13</b>	AUSTRALIAN ABORIGINAL (such as Chmorro)
<b>14</b>	MELANESIAN (such as Fijian, New Guinean)
<b>15</b>	CARIBBEAN BLACK (such as Jamaican, Trinidadian, Tobagonian)
<b>16</b>	CENTRAL/SOUTH AMERICAN (such as Costa Rican, Salvadorian, Colombian, Brazilian)
<b>17</b>	BLACK AFRICAN
<b>18</b>	NORTH AFRICAN (such as Egyptian, Algerian, Moroccan)
<b>19</b>	MIDDLE EASTERN (such as Iranian, Lebanese, Kuwaiti, Saudi)
<b>98</b>	OTHER
<b>99</b>	DONT KNOW/REFUSED

# Module: family-history

## Module Contents

### cancer

1. [CENTER\\_NO](#)
2. [PERSON\\_ID \(\\*PK\)](#)
3. [TUMOR\\_NO \(\\*PK\)](#)
4. [SITE](#)
5. [LATERAL](#)
6. [HISTO](#)
7. [BEHAV](#)
8. [AGEDX](#)
9. [DXDATE](#)
10. [DXEST](#)
11. [DXSRC](#)
12. [TISSUE](#)
13. [QUALIFY\\_TUMOR](#)

1	<b>CENTER_NO</b>	number (2,0)	Required: true
Center Identification Number			

Allowable Values	
<b>11</b>	Sinai Health Systems (formerly Cancer Care Ontario)
<b>12</b>	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)
<b>13</b>	University of Melbourne
<b>14</b>	University of Hawaii Cancer Center
<b>15</b>	Mayo Clinic
<b>16</b>	Fred Hutch, Seattle
<b>17</b>	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))

2	<b>PERSON_ID (*PK)</b>	number (12,0)	Required: true
Number that uniquely identifies an individual. *PERSON_ID + TUMOR_NO are the primary key for this table.			

3	<b>TUMOR_NO (*PK)</b>	number (2,0)	Required: true
<p>Computer generated sequential number, starting with "1", assigned to each tumor for a given individual when entered into local system. No adjustment is made when a tumor is deleted from the system. Tumor numbers are never reused. Tumor_no is a machine-generated value that has no implied meaning such as sequence of diagnosis. The first tumor that is entered into the system is assigned 1, the second tumor entered into the system assigned 2, etc. For example, if a person has two tumors and tumor_no 2 is deleted, that number should never be reused for that individual. Should that person develop a second primary, that tumor should have tumor_no set to 3. *PERSON_ID + TUMOR_NO are the primary key for this table.</p> <p>This tumor is also mapped throughout the Registry to all block samples and molecular testing for that PERSON_ID.</p>			

4	<b>SITE</b>	string (4)	Required: true
Location where this tumor originated in as much detail as is known and for which a code is provided in ICD-O-3.			

<b>Error Description</b>	
SITE must be C000-C809	

5	<b>LATERAL</b>	number (1,0)	Required: true
Laterality of tumor. Side of the body in which the tumor originated. Note: laterality of left and right is not applicable for all sites. Coding for this field is based on SEER, NAACCR and AcoS guidelines.			

Allowable Values	
0	Not a paired site
1	Right
2	Left
3	Unilateral, NOS
4	Bilateral
5	Midline
9	Paired site, no information

6	<b>HISTO</b>	number (5,0)	Required: true
	First four digits of the ICD-O-3 morphology code which designates the histologic type of this tumor. Coding for this field is based on SEER, NAACCR and AcoS guidelines.		

Allowable Values	
8000 to 9990	Range
8000	No specific histologic type information
72860	Keratoacanthoma

7	<b>BEHAV</b>	number (1,0)	Required: false
	ICD-O-3 5th digit behavior code. Coding for this field is based on SEER, NAACCR and AcoS guidelines.		

Allowable Values	
0	Benign
1	Uncertain whether benign or malignant; borderline; low malignant potential
2	Carcinoma in situ
3	Malignant (Invasive)

8	<b>AGEDX</b>	number (3,0)	Required: true
	Age at diagnosis.		

Allowable Values	
0 to 130 or 998, 999	Range
998	Less than 1 year
999	Unknown

9	<b>DXDATE</b>	string (8)	Required: true
	Date of diagnosis.		

Date Value Check

The date must follow to the following format:  
Format YYYYMMDD. Must consist of valid date.

Components of date should be right justified and zero filled.  
MM = 01 - 12, 88, 99  
DD = 01 - 31, 88, 99  
YYYY = **Minimum year** - system date year, 8888, 9999  
Use 88, 8888 for not currently known, in progress to obtain information.  
Use 99, 9999 for not known.  
If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.  
If MM = 99 then DD must = 99.  
If century is known, but year is unknown then give an estimate of year or code YYYY = 9999.  
If YYYY = 9999 then MM and DD must = 99.

The following special parameters are used:

<b>Format YYYYMMDD</b>	
<b>YYYY</b>	1700 (Minimum year) - system date year, 8888, 9999
<b>MM</b>	01 - 12, 88, 99
<b>DD</b>	01 - 31, 88, 99

10	<b>DXEST</b>	number (1,0)	Required: true
Accuracy of diagnosis date.			

Allowable Values	
1	Exact
2	Within 1 year
3	Within 1+ to 5 years
4	Within 5+ to 10 years
5	10 or more years
9	Unknown

11	<b>DXSRC</b>	number (2,0)	Required: true
Source of diagnosis information (site, histology, behavior, laterality).			

Allowable Values	
1	Pathology review (means your center's pathologist examined the tissue and may have also completed an internal review sheet;)
2	Pathology report (means the documents from the hospital's medical records or pathologist. It often comes with the Biospecimens (block, tissue...) . )
3	Other hospital record or clinic record
4	Death certificate
5	Self
6	Relative
7	SEER
8	Other cancer registry (e.g. state)
9	Unknown
10	NDI, NDI+, site-specific state death indices (health department)
11	Spouse

12 Other source, for example specialized genealogy

TISSUE

number (1,0)

Required:true

12

Status of tissue procurement.

Allowable Values

0 Not needed / not applicable

1 Permission granted by patient, pending request to hospital/clinic

2 Specimen requested from hospital/clinic, awaiting receipt

3 Specimen received

4 Refusal from patient

5 Lost or destroyed

6 Refusal from hospital/clinic

7 Unable to request tissue (tissue location overseas or location is unknown)

8 Pending permission from patient

QUALIFY\_TUMOR

number (1,0)

Required:false

13

Flag indicating that the tumor qualifies a population sampled affected proband as eligible for inclusion in the study. The tumor must meet all site-specific eligibility criteria. Synchronous qualifying tumours should be sequentially ordered beginning with the largest in size.

Allowable Values

1 to 4 Range

**Error Description**

If FAMILY-MEMBERSHIP.PROBAND\_FLG=1 And FAMILY.FSRC=1, then CANCER.QUALIFY\_TUMOR must be 1 (at least one cancer record)

# Module: family-history

## Module Contents

### cause-of-death

1. [CENTER\\_NO](#)
2. [PERSON\\_ID \(\\*PK\)](#)
3. [COD\\_IMM\\_ICD](#)
4. [COD\\_IMM\\_TXT](#)
5. [COD\\_UND1\\_ICD](#)
6. [COD\\_UND1\\_TXT](#)
7. [COD\\_UND2\\_ICD](#)
8. [COD\\_UND2\\_TXT](#)
9. [COD\\_UND3\\_ICD](#)
10. [COD\\_UND3\\_TXT](#)
11. [COD\\_UND4\\_ICD](#)
12. [COD\\_UND4\\_TXT](#)
13. [COD\\_UND5\\_ICD](#)
14. [COD\\_UND5\\_TXT](#)
15. [COD\\_UND6\\_ICD](#)
16. [COD\\_UND6\\_TXT](#)
17. [COD\\_UND7\\_ICD](#)
18. [COD\\_UND7\\_TXT](#)
19. [COD\\_UND8\\_ICD](#)
20. [COD\\_UND8\\_TXT](#)
21. [COD\\_UND9\\_ICD](#)
22. [COD\\_UND9\\_TXT](#)
23. [COD\\_UND10\\_ICD](#)
24. [COD\\_UND10\\_TXT](#)
25. [COD\\_SOURCE](#)
26. [COD\\_ICD\\_VERSION](#)

1	<b>CENTER_NO</b>	number (2,0)	Required: true																
Unique identifier for a CFR center																			
<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">Allowable Values</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">11</td> <td>Sinai Health Systems (formerly Cancer Care Ontario)</td> </tr> <tr> <td style="text-align: center;">12</td> <td>Cedars-Sinai &amp; Cleveland Clinic (formerly USC Consortium)</td> </tr> <tr> <td style="text-align: center;">13</td> <td>University of Melbourne</td> </tr> <tr> <td style="text-align: center;">14</td> <td>University of Hawaii Cancer Center</td> </tr> <tr> <td style="text-align: center;">15</td> <td>Mayo Clinic</td> </tr> <tr> <td style="text-align: center;">16</td> <td>Fred Hutch, Seattle</td> </tr> <tr> <td style="text-align: center;">17</td> <td>UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))</td> </tr> </tbody> </table>				Allowable Values		11	Sinai Health Systems (formerly Cancer Care Ontario)	12	Cedars-Sinai & Cleveland Clinic (formerly USC Consortium)	13	University of Melbourne	14	University of Hawaii Cancer Center	15	Mayo Clinic	16	Fred Hutch, Seattle	17	UCSF: University of California at San Francisco (formerly CPIC, originally Northern California (NCCC))
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2	<b>PERSON_ID (*PK)</b>	number (12,0)	Required: true																
Identifier for person that is globally unique within the BC-CFR central database. *This field is the primary key for the table.																			
3	<b>COD_IMM_ICD</b>	string (6)	Required: true																
First, primary or immediate cause of death in ICD. NOTE: Some sources, like SEER, do not give a primary/immediate Cause of Death but only a derived underlying cause of death. In these cases this element should be marked '999999=unknown' and the derived value go into COD_UND1_ICD.																			
4	<b>COD_IMM_TXT</b>	string (250)	Required: false																
First, primary or immediate cause of death in text if ICD not available																			
5	<b>COD_UND1_ICD</b>	string (6)	Required: false																
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6	<b>COD_UND1_TXT</b>	string (250)	Required: false
	first underlying cause of death in text if no ICD		
7	<b>COD_UND2_ICD</b>	string (6)	Required: false
	2nd underlying cause of death in ICD		
8	<b>COD_UND2_TXT</b>	string (250)	Required: false
	2nd underlying cause of death in text if no ICD		
9	<b>COD_UND3_ICD</b>	string (6)	Required: false
	3rd underlying cause of death in ICD		
10	<b>COD_UND3_TXT</b>	string (250)	Required: false
	3rd underlying cause of death in text if no ICD		
11	<b>COD_UND4_ICD</b>	string (6)	Required: false
	4th underlying cause of death in ICD		
12	<b>COD_UND4_TXT</b>	string (250)	Required: false
	4th underlying cause of death in text if no ICD		
13	<b>COD_UND5_ICD</b>	string (6)	Required: false
	5th underlying cause of death in ICD		
14	<b>COD_UND5_TXT</b>	string (250)	Required: false
	5th underlying cause of death in text if no ICD		
15	<b>COD_UND6_ICD</b>	string (6)	Required: false
	6th underlying cause of death in ICD		
16	<b>COD_UND6_TXT</b>	string (250)	Required: false
	6th underlying cause of death in text if no ICD		
17	<b>COD_UND7_ICD</b>	string (6)	Required: false
	7th underlying cause of death in ICD		
18	<b>COD_UND7_TXT</b>	string (250)	Required: false
	7th underlying cause of death in text if no ICD		
19	<b>COD_UND8_ICD</b>	string (6)	Required: false
	8th underlying cause of death in ICD		
20	<b>COD_UND8_TXT</b>	string (250)	Required: false
	8th underlying cause of death in text if no ICD		
21	<b>COD_UND9_ICD</b>	string (6)	Required: false
	9th underlying cause of death in ICD		
22	<b>COD_UND9_TXT</b>	string (250)	Required: false
	9th underlying cause of death in text if no ICD		
23	<b>COD_UND10_ICD</b>	string (6)	Required: false

10th underlying cause of death in ICD

24 **COD\_UND10\_TXT** string (250) Required:false

10th underlying cause of death in text if no ICD

25 **COD\_SOURCE** number (1,0) Required:false

Source of Cause of Death for all causes primary to 10 underlying. This should be from the single best source the site has for that individual. General rule of the thumb for priority should be NDI > SEER > Med Record > dept of health > death certificate. Though this might vary some at particular sites. NOTE: The source if th ICD code is derived as follows. For COD\_SOURCE options 1,2,3,4,5 & 9 the source of the ICD code is the same as COD\_SOURCE. For COD options 6,7,8 the ICD code source is "Assigned by Site".

Allowable Values	
1	SEER
2	Cancer registry
3	NDI US
4	NDI AUS
5	Linkage_Other database
6	Death certificate
7	Other medical record
8	Other family member
9	Unknown

26 **COD\_ICD\_VERSION** number (2,0) Required:false

Version of ICD for all cause of deaths from COD source. NOTE: this value is sometimes determined by the ICD version in use at time of death which is usually accurate but not perfect especially if the death occurred in early January when a code change might have been in progress.

Allowable Values	
2	ICD-2
3	ICD-3
4	ICD-4
5	ICD-5
6	ICD-6
7	ICD-7
8	ICD-8
9	ICD-9
10	ICD-10
88	Not Applicable
99	unknown