National Cancer Registry Ireland

DATA DICTIONARY

VERSION 2.0

2023

THE NATIONAL CANCER REGISTRY

www.ncri.ie

Contents

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What information is collected?

Cancers registered

The National Cancer Registry Ireland (NCRI) registers all cancers that meet the following four conditions:

1. The date of incidence is after the 01/01/1994
2. Resident in the Republic of Ireland - The residence is defined as the place the person has lived for the previous twelve months. The purpose of recording residence is that the rate of tumour incidence can be related to a specific population.
3. The list of registerable tumours are as follows:
    i. All tumours described as "malignant"(/3), "in situ"(/2), "of uncertain behaviour"(/1) or "borderline malignancy"(/1) listed in the World Health Organisation (WHO) ICD-O Manual.
    ii. All intracranial (inside the dome of the skull) and spinal cord tumours. This includes benign tumours of the Central Nervous System, meninges, cranial nerves (e.g. acoustic neuroma), pituitary gland and pineal gland.
4. In some cases, subsequent tumours may be diagnosed in someone who is already known to have cancer and these tumours are registered if they meet the NCRI's registration criteria.

The NCRI registers all cancers and related tumours as described in section 3 above. In this document the words cancer and tumour are used interchangeably.

Treatment information collected

The NCRI primarily collects information on the primary course of cancer treatment. This is defined as the treatment plan or regime which is decided soon after diagnosis, based on the clinical status of the patient at diagnosis. This is independent of the time which has elapsed, although in the absence of any other information, a year from diagnosis is generally used as a cut-off. However, the basic principle is whether or not this is primary treatment.

Coding classifications used

Tumours are coded using the World Health Organisation (WHO) International Classification of Diseases for Oncology (ICD-O)

- 1994 to 2004 ICD O Version 2
- 2005 to 2011 ICD O Version 3
- 2012 to 2019 ICD O Version 3.1
- 2020 onwards ICD O Version 3.2

Tumours are staged using the Union for International Cancer Control (UICC) TNM* Classification of Malignant Tumours (**Tumour, Node, Metastases*)

- 1994 to 2001/2002 4th edition
- 2002/2003 to 2013 5th edition
- 2014 onwards 7th edition

For years of incidence 1994 to 2010 (part) treatments are coded using the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM).

For years of incidence 2010 (part) onwards treatments are coded using Australian Classification of Health Intervention (ACHI) 6th edition.

NCRI reports statistics in International Classification of Diseases 10th edition (ICD-10) modified to take account of the most recent ICD-O behaviour recommendations.

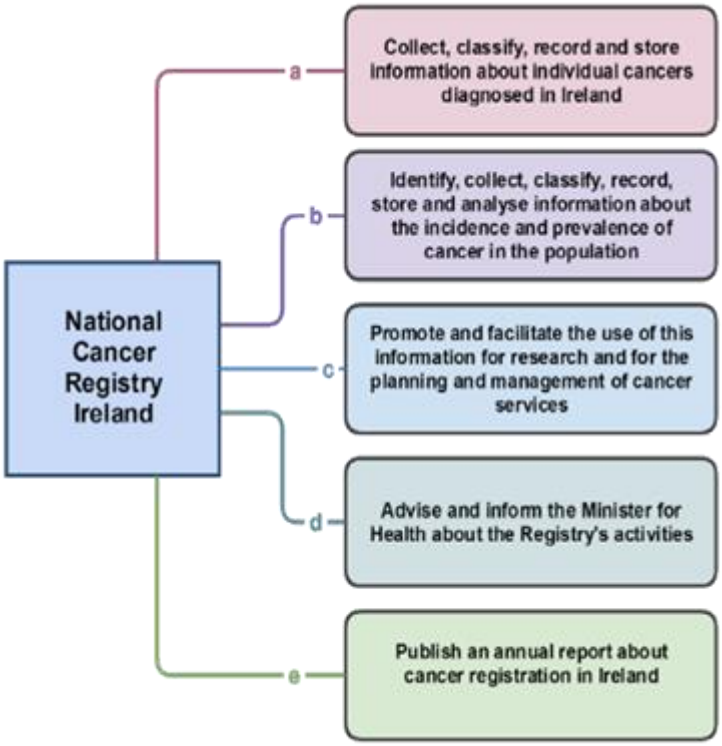
Systematized Nomenclature of Medicine (SNOMED) coding is used by histopathology labs to code tissue specimens. The codes provided by the labs are converted to ICD-O by the NCRI.

How the information is used

Cancer registration is necessary for the following purposes;

- Assessing patterns and trends of cancer case numbers, risk, treatment and survival over time and in relation to factors such as age, cancer stage and geographic area
- Planning cancer services
- Supporting evaluation of the quality of cancer services
- Research on the causes and prevention of cancer

Our functions as set out in legislation and are summarised graphically below.
http://www.irishstatutebook.ie/eli/1991/si/19/made/en/print



The NCRI works on behalf of the Department of Health and collects information from all hospitals in Ireland on the number of persons diagnosed with cancer and the types of cancer (or related tumour) they have. For every new cancer, we register the name, address, sex and date of birth of the patient, PPSN, the type and location of the cancer, how advanced the cancer is and the treatment received by the patient. NCRI also follows up the numbers dying from their cancer or from other causes. The data collected by the NCRI is used for statistical and research purposes and is not used in the clinical care of the patient. The information collected is maintained in a central register to provide a national cancer dataset on the incidence of cancer in Ireland. This data is subject to rigorous quality assurance, including external checks developed by the International Association for Research on Cancer, ensuring that our data conforms to the highest international standards in cancer registration. NCRI adhere to GDPR Article 5 Principles relating to processing of personal data.

Datasets are produced routinely for annual incidence reports, specific research projects, for service planning and evaluation and other general enquires. Since 1994 the dataset has been used in many types of publications; such as cancer trends and projections, statistical reports and research publications. https://www.ncri.ie/publications

Requests for datasets or aggregated statistics can also be made through the website.
https://www.ncri.ie/content/request-specific-grouped-data

Data will be released provided there are no conflicts with the NCRI's obligations under the Data Protection Acts

1988 to 2018 and the General Data Protection Regulation; for this reason certain variables listed in this data dictionary may not be available for requests.

Safeguards that are in place to protect the information

NCRI has a positive legal obligation to secure the Personal Data it possesses. Article 32 of the GDPR provides that:

"Taking into account the state of the art, the costs of implementation and the nature, scope, context and purposes of processing as well as the risk of varying likelihood and severity for the rights and freedoms of natural persons, the controller [NCRI] ... shall implement appropriate technical and organisational measures to ensure a level of security appropriate to the risk."

The NCRI have a number of policies in place to ensure the protection of personal information. The NCRI is committed to ensuring that all information is handled legally, securely and efficiently. All departments work together to ensure the security of the information it holds. A policy is also in place in the event that the NCRI becomes aware of a personal data breach, this includes obligations under law, namely the Data Protection Act 2018, and the General Data Protection Regulation (GDPR).

The Legal Basis for processing

The NCRI was established by S.I. No 19/1991. The National Cancer Registry Board (Establishment) Order 1991, as amended by S.I. No. 293/1996 National Cancer Registry Board (Establishment) Order, 1991 (Amendment) Order, 1996 and the Health (Miscellaneous Provisions) Act 2009. The General Data Protection Regulation (GDPR) provides a legislative basis for the processing of Special Categories of Personal Data (which includes 'data concerning health'). Article 9.2(h) of the GDPR allows for the processing of Special Categories of Personal Data where the processing is necessary for the purposes of 'the provision of health or social care or treatment' or the 'management of health or social care systems and services'. Article 9.2(i) permits such processing where it is necessary for reasons of public interest in the area of public health, and Article 9.2.(j) for scientific research or statistical purposes.

Such processing must be done on the basis of European Union or member state law. The applicable Irish law is S.184 of the Data Protection Act 2018, which gives a mandate to the NCRI to receive information and process it relating to its functions. S. 184 provides as follows:-

(1) The National Cancer Registry Board (established under the Health (Corporate Bodies) Act 1961) may request from any person personal data (including data concerning health and genetic data within the meaning of the Data Protection Regulation) held by, or in the possession of, that person for the purposes of the performance of that Board of its functions.

(2) Without prejudice to his or her obligations under the Data Protection Regulation and the Act of 2018, the person to whom a request is made under subsection (1) shall provide the personal data requested to the extent it is held by, or in the possession of, that person.

How can information be accessed

Summary information or aggregate statistics can be accessed or requested by the link below.

https://www.ncri.ie/data/data-request

Requests for individual level data for analysis purposes may be submitted initially via this form.

Individual level data for personal records You have the right to be provided on request, with a copy of your personal data. Please note, for health related data requests, we are obliged to consult with the appropriate health practitioner to ensure providing the data to you will not result in serious harm to your physical or mental health.

To make a Subject Access Request:

Email: dpo@ncri.ie

Tel: +353 (0) 21 4318014

Or write to the NCRI at:
Data Protection Officer,
National Cancer Registry
Ireland Building 6800,
Cork Airport Business Park,
Kinsale Road, Cork.
T12 CDF7

Freedom of Information request

To make a Freedom of Information request, please submit your request in writing to:

Email: foi@ncri.ie

By post to:
Data Protection Officer,
National Cancer Registry Ireland
Building 6800,
Cork Airport Business Park,
Kinsale Road, Cork.
T12 CDF7

Or via the NCRI website:

https://www.ncri.ie/contact (under Category 'Freedom of information')

Further information about the FOI Act 2014, is available at https://www.ncri.ie/foi

For more information, on contacting the NCRI, please view: Customer Charter Final.pdf

Objectives of the NCRI Data Dictionary

The Data dictionary provides the definitions and codes for the data collected by the NCRI. By providing a standard definition for the variables collected, it helps to ensure that the data collected is of high quality. It aims to ensure that users of the data have a clear understanding of the meaning of each of the variables collected.

How to use the NCRI Data Dictionary

All variables are listed alphabetically in the data dictionary; this alphabetic index is included in the table of contents.

The Field Keys used for variables are listed in Appendix 1 and can be accessed via hyperlinks in the main document.

The table names and all the variables from these tables are provided in Appendix 2.

The link to the verification rules applied to the data is provided in Appendix 3.

A glossary of abbreviations is provided in Appendix 4.

When opening in Chrome, you'll need to open the search box to search the document. A keyboard shortcut makes this process easy.

For Windows users use Ctrl+F.
For Mac users use Command+F.

When opening locally as a PDF use Ctrl+F to search the document

Updates

This document will be updated as variables are added or amended.

Summary of Changes between version 1.0 and 2.0 of Data Dictionary

Addition of variable: NSS Detected
Changes to Variable Name: Method of Diagnosis to Basis of Diagnosis
Code Set Changes: Basis of Diagnosis - addition of basis of diagnosis codes for cancers with a date of incidence after 1st January 2023 (Method of diagnosis codes 0 to 7.1) in line with ENCR recommendations.

Page Layout

Each page of the data dictionary will contain the elements listed in the left hand column and a brief description of each element is in the right hand column. Not all elements will have data populated but for consistency purposes each page will have the same elements included.

Variable	Name of the variable
Definition	Provides a brief description of the variable
Table Name	Name of the table where the variable is stored
Variable Name	Variable Name
Field Type	Type of data collected
Field Key	Outlines the field key options for each variable
Data Type	Integer, Alphanumeric etc.
Data Size	Number of characters in the variable
Available from Year of Incidence	Year of Incidence the information is available from
Verification Rules	Details the ways in which the accuracy of the data element can be verified
Source	Outlines if the variable was collected in the data collection process; if it was derived at a later stage from other variables or if it is auto populated by the CRS.
Comments	Additional information for an external user to understand the context in which this variable is used by the NCRI

Address 1	
Variable	Address 1
Definition	Address field 1 of the person's residence at the time the first registered tumour is diagnosed. Subsequent addresses are added as identified. The most recent address is flagged as the main address unless otherwise specified in medical notes.
Table Name	Demographics
Variable Name	Address Line 1
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	Variable
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Address 2	
Variable	Address 2
Definition	Address field 2 of the person's residence at the time the first registered tumour is diagnosed. Subsequent addresses are added as identified. The most recent address is flagged as the main address unless otherwise specified in medical notes.
Table Name	Demographics
Variable Name	Address Line 2
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	Variable
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Address 3	
Variable	Address 3
Definition	Address field 3 of the person's residence at the time the first registered tumour is diagnosed. Subsequent addresses are added as identified. The most recent address is flagged as the main address unless otherwise specified in medical notes.
Table Name	Demographics
Variable Name	Address Line 3
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	Variable
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Address 4	
Variable	Address 4
Definition	Address field 4 of the person's residence at the time the first registered tumour is diagnosed. Subsequent addresses are added as identified. The most recent address is flagged as the main address unless otherwise specified in medical notes.
Table Name	Demographics
Variable Name	Address Line 4
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	Variable
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Address 5	
Variable	Address 5
Definition	Address field 5 of the person's residence at the time the first registered tumour is diagnosed. Subsequent addresses are added as identified. The most recent address is flagged as the main address unless otherwise specified in medical notes.
Table Name	Demographics
Variable Name	Address Line 5
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	Variable
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Address Id	
Variable	Address Id
Definition	System generated id used to uniquely identify a record within the demographics table.
Table Name	Demographics
Variable Name	Address Id
Field Type	Admin
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	
Source	Autopopulated
Comments	

Admission Type	
Variable	Admission Type
Definition	NCRI collects information on four different patient admission types.
Table Name	Treatment Code
Variable Name	Admission Type
Field Type	Data
Field Key	Admission Type
Data Type	Alphanumeric
Data Size	2
Available from Year of Incidence	2002
Verification Rules	Treatment Code
Source	Collected
Comments	

Age At Incidence	
Variable	Age At Incidence
Definition	Integer age at diagnosis of specific tumour. This is automatically generated if the date of birth exists on the patient record. If date of birth is unavailable the user may enter the age here. If the age is not known a value of 999 should be entered by the user to indicate an unknown age.
Table Name	Tumour
Variable Name	Age at Incidence
Field Type	Data
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Derived
Comments	

Also Known As	
Variable	Also Known As
Definition	Name person is also known as. This can be firstname, surname, nickname or firstname and surname. May be an alternative name the person is also known by.
Table Name	Demographics
Variable Name	Also Known As
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	N/A
Verification Rules	Demographics
Source	Collected
Comments	

Approximate Treatment Date	
Variable	Approximate Treatment Date
Definition	Flag set to True indicates management date is an approximation. The specific date is not available in patient notes or hospital systems.
Table Name	Treatment Code
Variable Name	Approximate Treatment Date
Field Type	Data
Field Key	Approximate Treatment Date
Data Type	Bit
Data Size	1
Available from Year of Incidence	2018
Verification Rules	
Source	Collected
Comments	

Basis Of Diagnosis

Variable	Basis Of Diagnosis
Definition	Record of the highest method of validation used to confirm malignancy. Set by users based on all information available.
Table Name	Tumour
Variable Name	Basis of Diagnosis
Field Type	Data
Field Key	Basis of Diagnosis
Data Type	Alphanumeric
Data Size	3
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	Addition of basis of diagnosis codes for cancers with a date of incidence after 1st January 2023 (Basis of diagnosis codes 0 to 7.1) in line with ENCR recommendations. Cancers with a date of incidence between 1994-2022 used Method of Diagnosis code derived by the NCRI.

Care of Address	
Variable	Care of Address
Definition	Flag set to True if the address is not the person's home address but the address where they are residing in someone else's care.
Table Name	Demographics
Variable Name	Care of Address
Field Type	Data
Field Key	Care of Address
Data Type	Bit
Data Size	1
Available from Year of Incidence	2018
Verification Rules	
Source	Collected
Comments	Only available if mentioned in patient notes.

Clinical M

Variable	Clinical M
Definition	Solid tumours: Describes anatomical extent of disease; the absence or presence of distant metastasis prior to any treatment given and based on diagnostic biopsy or similar, imaging and clinical examinations and/or clinical history.
Table Name	Staging
Variable Name	Clinical M
Field Type	Data
Field Key	Clinical M
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Staging
Source	Collected
Comments	

Clinical N	
Variable	Clinical N
Definition	Solid tumours: Describes anatomical extent of disease; the absence or presence and extent of regional lymph node spread (metastasis) prior to any treatment given and based on diagnostic biopsy or similar, imaging and clinical examinations and/or clinical history.
Table Name	Staging
Variable Name	Clinical N
Field Type	Data
Field Key	Clinical N
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Staging
Source	Collected
Comments	

Clinical T

Variable	Clinical T
Definition	Solid tumours: Describes anatomical extent of disease; based on extent of primary tumour prior to any treatment given and based on diagnostic biopsy or similar, imaging and clinical examinations and/or clinical history.
Table Name	Staging
Variable Name	Clinical T
Field Type	Data
Field Key	Clinical T
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Staging
Source	Collected
Comments	

Clinical Tumour Size	
Variable	Clinical Tumour Size
Definition	The size of the primary solid tumour prior to any treatment given based on imaging and/or clinical examination.
Table Name	Staging
Variable Name	Clinical Tumour Size
Field Type	Data
Field Key	
Data Type	Float
Data Size	
Available from Year of Incidence	2002
Verification Rules	Staging
Source	Collected
Comments	

Closed Date	
Variable	Closed Date
Definition	Date the tumour was closed by the user. This date changes if the tumour is reopened and reclosed. Note: From 2017 the various dates on which a tumour was closed are recorded in the audit log.
Table Name	Tumour
Variable Name	Closed Date
Field Type	Admin
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	1994
Verification Rules	
Source	Autopopulated
Comments	

Comment Date	
Variable	Comment Date
Definition	Date the comment record was created.
Table Name	Demographics
Variable Name	Comment Date
Field Type	Admin
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	1994
Verification Rules	
Source	Autopopulated
Comments	

Comment Id	
Variable	Comment Id
Definition	System generated id used to uniquely identify a record within the demographics table.
Table Name	Demographics
Variable Name	Comment Id
Field Type	Admin
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	
Source	Autopopulated
Comments	

Consultant	
Variable	Consultant
Definition	Unique numeric identifier for the primary consultant to which the management recorded on CRS relates, e.g. surgical procedure or adjuvant treatment.
Table Name	Treatment Code
Variable Name	Consultant
Field Type	Data
Field Key	Consultant
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Treatment Code
Source	Collected
Comments	Provided there are no conflicts with the NCRI's obligations under the Data Protection Acts 1988 to 2018 and the General Data Protection Regulation, the relevant code and/or description will be included in the output.

County Id	
Variable	County Id
Definition	County code of the person's address. This is a unique two digit character assigned to each county name.
Table Name	Demographics
Variable Name	County
Field Type	Data
Field Key	County
Data Type	Alphanumeric
Data Size	2
Available from Year of Incidence	1994
Verification Rules	
Source	Collected
Comments	

Date of Birth	
Variable	Date of Birth
Definition	Date of birth identifies the day, month and year when the person was born.
Table Name	Demographics
Variable Name	Date of Birth
Field Type	Data (Matching)
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Date of Death	
Variable	Date of Death
Definition	Date the person died. Information is obtained from CSO and DEPS. May also be entered by users where this information is obtained from hospital systems or other sources.
Table Name	Demographics
Variable Name	Date of Death
Field Type	Data (Matching)
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Date of Incidence	
Variable	Date of Incidence
Definition	Date of diagnosis of cancer for NCRI registration purposes and in keeping with European Network of Cancer Registries (ENCR) guidelines, is date of first histopathological verification. In the absence of histopathological verification the date of diagnosis is through clinical diagnosis, including death cert notification.
Table Name	Tumour
Variable Name	Date of Incidence
Field Type	Data
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	

Date of Metastasis	
Variable	Date of Metastasis
Definition	Date the specific metastasis site was first reported (diagnosed).
Table Name	Tumour
Variable Name	Date of Metastasis
Field Type	Data
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	N/A
Verification Rules	Tumour
Source	Collected
Comments	

Date of Notification	
Variable	Date of Notification
Definition	Date the source was accessed to add or update data on the tumour. For electronic extracts received in NCRI, this is the date the electronic data was loaded onto system tables.
Table Name	Tumour
Variable Name	Date of Notification
Field Type	Data
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	

Date of Recurrence	
Variable	Date of Recurrence
Definition	Date of recurrence of tumour. Not routinely recorded as NCRI does not actively seek recurrence information. Only updated when available as part of other registration processes.
Table Name	Tumour
Variable Name	Date of Recurrence
Field Type	Data
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	N/A
Verification Rules	Tumour
Source	Collected
Comments	

Date of Treatment	
Variable	Date of Treatment
Definition	Date the management recorded on the CRS was performed, e.g. date of surgery, date of first chemotherapy.
Table Name	Treatment Code
Variable Name	Date of Treatment
Field Type	Data
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	1994
Verification Rules	Treatment Code
Source	Collected
Comments	

Date of Tumour Marker	
Variable	Date of Tumour Marker
Definition	The tumour marker date is the date that the specimen was taken.
Table Name	Tumour
Variable Name	Date of Tumour Marker
Field Type	Data
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	2003
Verification Rules	Tumour
Source	Collected
Comments	

Do Not Contact	
Variable	Do Not Contact
Definition	Flag set to True if the person does not wish to be contacted by NCRI. Can be initiated by person or treating physician. This is a passive process, patients are not actively contacted to indicate their preference.
Table Name	Demographics
Variable Name	Do Not Contact
Field Type	Data
Field Key	Do Not Contact
Data Type	Bit
Data Size	1
Available from Year of Incidence	2018
Verification Rules	
Source	Collected
Comments	

Firstname	
Variable	Firstname
Definition	The forename or given name of the person.
Table Name	Demographics
Variable Name	Firstname
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Firstname2	
Variable	Firstname2
Definition	The second forename of the person.
Table Name	Demographics
Variable Name	Firstname2
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Grade	
Variable	Grade
Definition	Histological grade (most solid tumours), WHO grade (central nervous system tumours), or immunophenotype (lymphomas & leukaemias). Solid tumours: Grade indicates how abnormal tumour cells are microscopically compared to normal healthy cells. Grade options are adapted from various grading systems for different cancer sites. Haematology: Grade refers to cell type.
Table Name	Tumour
Variable Name	Grade
Field Type	Data
Field Key	Grade
Data Type	Alphanumeric
Data Size	2
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	

Histology Lab Number

Variable	Histology Lab Number
Definition	Number assigned to specimen by histopathology laboratory. Unique for each specimen. Used with accession number for supplementary reports on same specimen.
Table Name	Tumour
Variable Name	Histology Lab Number
Field Type	Data
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	

Hospital of Source of Notification	
Variable	Hospital of Source of Notification
Definition	Unique numeric identifier for the hospital/facility providing source of notification.
Table Name	Tumour
Variable Name	Hospital of SON
Field Type	Data
Field Key	Hospital of SON
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	Provided there are no conflicts with the NCRI's obligations under the Data Protection Acts 1988 to 2018 and the General Data Protection Regulation, the relevant code and/or description will be included in the output.

Hospital of Treatment	
Variable	Hospital of Treatment
Definition	Unique numeric identifier assigned for the hospital/facility providing treatment.
Table Name	Treatment Code
Variable Name	Hospital of Treatment
Field Type	Data (Matching)
Field Key	Hospital of Treatment
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Treatment Code
Source	Collected
Comments	Provided there are no conflicts with the NCRI's obligations under the Data Protection Acts 1988 to 2018 and the General Data Protection Regulation, the relevant code and/or description will be included in the output.

House Name

Variable	House Name
Definition	House name of the person's residence at the time the first registered tumour is diagnosed. Subsequent addresses are added as identified. The most recent address is flagged as the main address unless otherwise specified in medical notes.
Table Name	Demographics
Variable Name	House Name
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

House Number	
Variable	House Number
Definition	House number of the person's residence at the time the first registered tumour is diagnosed. Subsequent addresses are added as identified. The most recent address is flagged as the main address unless otherwise specified in medical notes.
Table Name	Demographics
Variable Name	House Number
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

ICD-10-O-3	
Variable	ICD-10-O-3
Definition	ICD-10 type code derived from topography and morphology, e.g. C501, D052: usually the most useful field to identify main cancer sites or types. ICD-O-3 rules (pre-2012 version for most tumours, updated ICD-O-3.1/3.2 for carcinoids) on tumour behaviour are used.
Table Name	Tumour
Variable Name	ICD-10-O-3
Field Type	Derived
Field Key	ICD-10-O-3
Data Type	Alphanumeric
Data Size	5
Available from Year of Incidence	1994
Verification Rules	
Source	Derived
Comments	

Incidence Report Ready	
Variable	Incidence Report Ready
Definition	A tumour is considered to be tumour incidence report ready when the CDR is confident the following three CRS 'Tumour Details' fields are populated with the most accurate information obtainable: 1. Date of Incidence 2. Topography 3. Morphology
Table Name	Tumour
Variable Name	Incidence Report Ready
Field Type	Derived
Field Key	Incidence Report Ready
Data Type	Bit
Data Size	1
Available from Year of Incidence	2022
Verification Rules	
Source	Collected
Comments	

Maiden Name	
Variable	Maiden Name
Definition	Person's surname at birth.
Table Name	Demographics
Variable Name	Maiden Name
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Main Address	
Variable	Main Address
Definition	Flag set to True if this is the person's main address where they are assumed to reside based on the most recent information available.
Table Name	Demographics
Variable Name	Main Address
Field Type	Data (Matching)
Field Key	Main Address
Data Type	Bit
Data Size	1
Available from Year of Incidence	1994
Verification Rules	
Source	Collected
Comments	

Management Id	
Variable	Management Id
Definition	System generated id used to uniquely identify a record within the treatment code table.
Table Name	Treatment Code
Variable Name	Management Id
Field Type	Admin
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	
Source	Autopopulated
Comments	

Marker Id	
Variable	Marker Id
Definition	System generated id used to uniquely identify a record within the tumour table.
Table Name	Tumour
Variable Name	Marker Id
Field Type	Admin
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	2003
Verification Rules	
Source	Autopopulated
Comments	

Marker Type	
Variable	Marker Type
Definition	A substance produced either by a tumour or in response to a tumour that aids tumour detection and is recorded either at tumour diagnosis or after primary surgery.
Table Name	Tumour
Variable Name	Marker Type
Field Type	Data
Field Key	Marker Type
Data Type	Integer
Data Size	
Available from Year of Incidence	2003
Verification Rules	Tumour
Source	Collected
Comments	

Marker Value	
Variable	Marker Value
Definition	A reference range used for measurement to interpret the relevant marker type test. May be a range or may be positive or negative value.
Table Name	Tumour
Variable Name	Marker Value
Field Type	Data
Field Key	Marker Value
Data Type	Integer
Data Size	
Available from Year of Incidence	2003
Verification Rules	Tumour
Source	Collected
Comments	

Medical Oncology Code	
Variable	Medical Oncology Code
Definition	Unique numeric identifier id for the medical oncology drug.
Table Name	Treatment Code
Variable Name	Medical Oncology Code
Field Type	Admin
Field Key	Medical Oncology Code
Data Type	Integer
Data Size	
Available from Year of Incidence	2010
Verification Rules	
Source	Collected
Comments	Provided there are no conflicts with the NCRI's obligations under the Data Protection Acts 1988 to 2018 and the General Data Protection Regulation, the relevant code and/or description will be included in the output.

Medical Oncology Comment	
Variable	Medical Oncology Comment
Definition	Users enter drug or regimen as free text if they are not currently coded in medical oncology table. Free text entries are subsequently assigned codes by NCRI and the treatment code table is updated.
Table Name	Treatment Code
Variable Name	Medical Oncology Comment
Field Type	Data
Field Key	
Data Type	Alphanumeric
Data Size	Variable
Available from Year of Incidence	N/A
Verification Rules	
Source	Collected
Comments	

Medical Records Number	
Variable	Medical Records Number
Definition	Unique number assigned to a patient in a hospital. All medical records for a patient can be accessed through their unique number.
Table Name	Treatment Code
Variable Name	MRN
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	1994
Verification Rules	Treatment Code
Source	Collected
Comments	

Metastasis Id	
Variable	Metastasis Id
Definition	System generated id used to uniquely identify a record within the tumour table.
Table Name	Tumour
Variable Name	Metastasis Id
Field Type	Admin
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	N/A
Verification Rules	Tumour
Source	Autopopulated
Comments	

Metastasis Topography	
Variable	Metastasis Topography
Definition	Numeric value to be linked to topography description to obtain the topography code describing the site of the metastasis.
Table Name	Tumour
Variable Name	Metastasis Topography
Field Type	Data
Field Key	Metastasis Topography
Data Type	Integer
Data Size	
Available from Year of Incidence	N/A
Verification Rules	Tumour
Source	Collected
Comments	

Method Of Presentation	
Variable	Method Of Presentation
Definition	The means by which the tumour first came to medical attention.
Table Name	Tumour
Variable Name	Method of Presentation
Field Type	Data
Field Key	Method of Presentation
Data Type	Alphanumeric
Data Size	2
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	

Morphology Code ICD-O3	
Variable	Morphology Code ICD-O3
Definition	Histological type and behaviour of tumour; ICD-O-3 code e.g. M-8140/3. Includes translation where necessary from ICD-O-2 morphology originally registered for older cases.
Table Name	Tumour
Variable Name	Morphology Code ICD-O3
Field Type	Derived
Field Key	Morphology Code ICD-O3
Data Type	Alphanumeric
Data Size	8
Available from Year of Incidence	1994
Verification Rules	
Source	Derived
Comments	

Morphology Code ICD-O3 Group	
Variable	Morphology Code ICD-O3 Group
Definition	Morphology group: short code (18 different categories, 1-16, 16a, and 17). Morphology group similar to that used by IARC to identify ‘same’ or ‘different’ tumours for reporting purposes / 'multiple' flagging.
Table Name	Tumour
Variable Name	Morphology Code ICD-O3 Group
Field Type	Derived
Field Key	Morphology Code ICD-O3 Group
Data Type	Alphanumeric
Data Size	5
Available from Year of Incidence	1994
Verification Rules	
Source	Derived
Comments	

Morphology Description Id	
Variable	Morphology Description Id
Definition	Numeric value to be linked to morphology description to obtain actual ICD-O3 morphology code. This linkage will provide histology or cell type and its behaviour or biological activity.
Table Name	Tumour
Variable Name	Morphology Description Id
Field Type	Data
Field Key	Morphology Description Id
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	Ensure the relevant code and/or description is included in the output

Mortality Status	
Variable	Mortality Status
Definition	A flag to indicate vital status (if known) of the patient. Usually updated by CSO and DEPS linkage but may also be updated manually by users from hospital charts and systems or other sources. Not for use for survival analysis as recent deaths may not be known/flagged. Used only to minimise risk that deceased patients might be included in patient-contact surveys.
Table Name	Demographics
Variable Name	Mortality Status
Field Type	Data
Field Key	Mortality Status
Data Type	Alphanumeric
Data Size	2
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Neo Adjuvant	
Variable	Neo Adjuvant
Definition	Systemic therapy delivered prior to a planned primary surgical treatment which may or may not subsequently be performed. This is used in correlation with the primary surgical management where recorded in order to facilitate correct interpretation of TNM pathological stage.
Table Name	Staging
Variable Name	Neo Adjuvant
Field Type	Data
Field Key	Neo Adjuvant
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	2010
Verification Rules	Staging
Source	Collected
Comments	

Node Evaluation	
Variable	Node Evaluation
Definition	Type of lymph node procedure performed for lymph node evaluation.
Table Name	Staging
Variable Name	Node Evaluation
Field Type	Data
Field Key	Node Evaluation
Data Type	Integer
Data Size	
Available from Year of Incidence	2010
Verification Rules	Staging
Source	Collected
Comments	

Nodes Positive	
Variable	Nodes Positive
Definition	The number of positive regional lymph nodes for TNM staging purposes.
Table Name	Staging
Variable Name	Nodes Positive
Field Type	Data
Field Key	Nodes Positive
Data Type	Integer
Data Size	
Available from Year of Incidence	2010
Verification Rules	Staging
Source	Collected
Comments	

Nodes Sampled	
Variable	Nodes Sampled
Definition	The number of regional lymph nodes examined for TNM staging purposes.
Table Name	Staging
Variable Name	Nodes Sampled
Field Type	Data
Field Key	Nodes Sampled
Data Type	Integer
Data Size	
Available from Year of Incidence	2010
Verification Rules	
Source	Collected
Comments	

Notes	
Variable	Notes
Definition	For CDRs to leave comments relevant to the workings of the tumour(s) registered.
Table Name	Demographics
Variable Name	Notes
Field Type	Data
Field Key	
Data Type	Alphanumeric
Data Size	Variable
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

NSS Detected	
Variable	NSS Detected
Definition	Flag set to true where the cancer is detected by the Screening Programmes (CervicalCheck, BreastCheck, BowelScreen) run by the National Screening Service.
Table Name	Tumour
Variable Name	NSS Detected
Field Type	Data
Field Key	NSS Detected
Data Type	Bit
Data Size	1
Available from Year of Incidence	2000
Verification Rules	
Source	Derived
Comments	Currently populated for BreastCheck detected cancers only. Completeness/reliability of this field for recent years should be confirmed with the NCRI.

Pathological M	
Variable	Pathological M
Definition	Solid tumour: Describes anatomical extent of disease; the absence or presence of microscopically confirmed distant metastasis.
Table Name	Staging
Variable Name	Pathological M
Field Type	Data
Field Key	Pathological M
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Staging
Source	Collected
Comments	

Pathological N	
Variable	Pathological N
Definition	Solid tumour: Describes anatomical extent of disease; the absence or presence and extent of microscopically confirmed regional lymph nodes metastasis from resection.
Table Name	Staging
Variable Name	Pathological N
Field Type	Data
Field Key	Pathological N
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Staging
Source	Collected
Comments	

Pathological T

Variable	Pathological T
Definition	Solid tumour: Describes anatomical extent of disease; based on extent of primary tumour from site specific definitive surgery.
Table Name	Staging
Variable Name	Pathological T
Field Type	Data
Field Key	Pathological T
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Staging
Source	Collected
Comments	

Pathological Tumour Size	
Variable	Pathological Tumour Size
Definition	The size of the invasive solid tumour or the size of the invasive component where both invasive and in situ are reported with the same morphology based on surgical exploration/excision prior to any adjuvant treatment given.
Table Name	Staging
Variable Name	Pathological Tumour Size
Field Type	Data
Field Key	
Data Type	Float
Data Size	
Available from Year of Incidence	2002
Verification Rules	Staging
Source	Collected
Comments	

Pathology Lab Id

Variable	Pathology Lab Id
Definition	Unique numeric identifier for the accredited laboratory where pathology/haematology reports originate from.
Table Name	Tumour
Variable Name	Pathology Lab
Field Type	Data
Field Key	Pathology Lab
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	Multiple labs may be involved in tumour and it is arbitrary which one is stored here. Provided there are no conflicts with the NCRI's obligations under the Data Protection Acts 1988 to 2018 and the General Data Protection Regulation, the relevant code and/or description will be included in the output.

Pathology Subtext	
Variable	Pathology Subtext
Definition	To supply extra information relating to the tumour that may be of relevance to clarify the morphology.
Table Name	Tumour
Variable Name	Pathology Subtext
Field Type	Data
Field Key	
Data Type	Alphanumeric
Data Size	Variable
Available from Year of Incidence	N/A
Verification Rules	Tumour
Source	Collected
Comments	

Patient CervicalCheck Report Status	
Variable	Patient CervicalCheck Report Status
Definition	Information sent to NSS - CervicalCheck from NCRI
Table Name	Demographics
Variable Name	Patient CervicalCheck Report Status
Field Type	Data
Field Key	Patient CervicalCheck Report Status
Data Type	Integer
Data Size	
Available from Year of Incidence	2009
Verification Rules	
Source	Collected
Comments	

Patient Date of CervicalCheck Report	
Variable	Patient Date of CervicalCheck Report
Definition	Information sent to NSS - CervicalCheck from NCRI on this date
Table Name	Demographics
Variable Name	Patient CervicalCheck Report Date
Field Type	Data
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	2009
Verification Rules	
Source	Collected
Comments	

Patient Id	
Variable	Patient Id
Definition	System generated id used to uniquely identify a record within the demographics table.
Table Name	Demographics
Variable Name	Patient Id
Field Type	Admin
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	
Source	Autopopulated
Comments	

Postcode	
Variable	Postcode
Definition	Eircode of the patient's residence at the time the first registered tumour is diagnosed. Subsequent Eircodes are added as identified. The most recent Eircode is flagged as the main address unless otherwise specified in medical notes.
Table Name	Demographics
Variable Name	Postcode
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	2018
Verification Rules	Demographics
Source	Collected
Comments	Poorly recorded as not often available in notes.

PPS Number	
Variable	PPS Number
Definition	Personal Public Service Number. Unique Irish government social welfare and taxation number assigned to each individual.
Table Name	Demographics
Variable Name	PPS Number
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	N/A
Verification Rules	Demographics
Source	Collected
Comments	

Procedure Category

Variable	Procedure Category
Definition	Broad categories used along with the topography code determines the list of treatment codes presented to the CDR.
Table Name	Treatment Code
Variable Name	Procedure Category
Field Type	Data
Field Key	Procedure Category
Data Type	Alphanumeric
Data Size	2
Available from Year of Incidence	1994
Verification Rules	Treatment Code
Source	Collected
Comments	This is an administrative field used to drive the treatment codes displayed to the CDR and should not be used for analysis.

Procedure Group	
Variable	Procedure Group
Definition	Assigns detailed treatment codes to a broader procedure group to facilitate analysis.
Table Name	Treatment Code
Variable Name	Procedure Group
Field Type	Data
Field Key	Procedure Group
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Treatment Code
Source	Derived
Comments	

Purpose of Treatment	
Variable	Purpose of Treatment
Definition	Primary oncology treatment initiated, linked to tumour date of incidence.
Table Name	Treatment Code
Variable Name	Purpose of Treatment
Field Type	Data
Field Key	Purpose of Treatment
Data Type	Alphanumeric
Data Size	2
Available from Year of Incidence	2002
Verification Rules	Treatment Code
Source	Collected
Comments	

Sex	
Variable	Sex
Definition	Unique one digit character to identify sex of patient at birth.
Table Name	Demographics
Variable Name	Sex
Field Type	Data (Matching)
Field Key	Sex
Data Type	Alphanumeric
Data Size	1
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Side	
Variable	Side
Definition	Side of tumour site in a paired organ. May also be referred to as laterality.
Table Name	Tumour
Variable Name	Side
Field Type	Data
Field Key	Side
Data Type	Alphanumeric
Data Size	2
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	

Source Id	
Variable	Source Id
Definition	System generated id used to uniquely identify a record within the tumour table.
Table Name	Tumour
Variable Name	Source Id
Field Type	Admin
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	
Source	Autopopulated
Comments	

Source Of Notification Id

Variable	Source Of Notification Id
Definition	Records the source of notification used to add or update information on a tumour. Recorded once for each source of notification for each hospital. Where the same source in the same hospital is accessed multiple times, there is no requirement to capture this.
Table Name	Tumour
Variable Name	Source Of Notification Id
Field Type	Data
Field Key	Source Of Notification Id
Data Type	Alphanumeric
Data Size	2
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	

Staging Site Topography	
Variable	Staging Site Topography
Definition	Numeric value to be linked to topography description to obtain the topography code. The topography code describes the site of origin of a tumour. Used for UICC staging editions 4 and 5.
Table Name	Staging
Variable Name	Staging Site Topography
Field Type	Data
Field Key	Staging Site Topography
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Staging
Source	Collected
Comments	Ensure the relevant code and/or description is included in the output

Surname	
Variable	Surname
Definition	Person's surname at first registration at NCRI.
Table Name	Demographics
Variable Name	Surname
Field Type	Data (Matching)
Field Key	
Data Type	Alphanumeric
Data Size	128
Available from Year of Incidence	1994
Verification Rules	Demographics
Source	Collected
Comments	

Treatment Coding System	
Variable	Treatment Coding System
Definition	Unique numeric identifier assigned to each treatment coding system within the NCRI. The treatment coding system id for each record is based on creation date of management.
Table Name	Treatment Code
Variable Name	Treatment Coding System
Field Type	Admin
Field Key	Treatment Coding System
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	
Source	Autopopulated
Comments	

Treatment Id	
Variable	Treatment Id
Definition	A coding system based on the Australian Classification of Health Interventions (ACHI) which is part of the ICD-10 Australian Modification. A subset of the full treatment listing is presented to the user based on the topography and procedure category entered.
Table Name	Treatment Code
Variable Name	Treatment
Field Type	Data
Field Key	
Data Type	Alphanumeric
Data Size	8
Available from Year of Incidence	1994
Verification Rules	Treatment Code
Source	Collected
Comments	Ensure the relevant code and/or description is included in the output. Look up table available on request.

Treatment Site Topography	
Variable	Treatment Site Topography
Definition	Numeric value to be linked to topography description to obtain the topography code describing the site of the treatment.
Table Name	Treatment Code
Variable Name	Treatment Site Topography
Field Type	Data
Field Key	Treatment Site Topography
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Treatment Code
Source	Collected
Comments	Although populated for all years, this defaults to primary site for pre 2003 treatments and so may not indicate the actual treatment site. More accurate post 2002 but may not always be reliable. Field under review.

Tumour CervicalCheck Report Status	
Variable	Tumour CervicalCheck Report Status
Definition	Information sent to NSS - CervicalCheck from NCRI
Table Name	Tumour
Variable Name	Tumour CervicalCheck Report Status
Field Type	Data
Field Key	Tumour CervicalCheck Report Status
Data Type	Integer
Data Size	
Available from Year of Incidence	2009
Verification Rules	
Source	Collected
Comments	

Tumour Date of CervicalCheck Report	
Variable	Tumour Date of CervicalCheck Report
Definition	Information sent to NSS - CervicalCheck from NCRI on this date
Table Name	Tumour
Variable Name	Tumour CervicalCheck Report Date
Field Type	Data
Field Key	
Data Type	Datetime
Data Size	27
Available from Year of Incidence	2009
Verification Rules	
Source	Collected
Comments	

Tumour Death Certificate Only	
Variable	Tumour Death Certificate Only
Definition	Death Certificate Only (DCO) case. DCO refers to cases registered on the basis of death certificate information only, with no further confirmation of the diagnosis and no earlier diagnosis date.
Table Name	Tumour
Variable Name	Tumour Death Certificate Only
Field Type	Derived
Field Key	Tumour Death Certificate Only
Data Type	Bit
Data Size	1
Available from Year of Incidence	1994
Verification Rules	
Source	Derived
Comments	

Tumour Id	
Variable	Tumour Id
Definition	System generated id used to uniquely identify a record within the tumour table.
Table Name	Tumour
Variable Name	Tumour Id
Field Type	Admin
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	
Source	Autopopulated
Comments	

Tumour Status	
Variable	Tumour Status
Definition	Flag to specify if the tumour is open or closed. Closed indicates that medical records have been accessed to complete tumour variables where available. Manually set by user. (Exception is DCO tumours where no further information has been found) Note: Information on treatments may be added subsequently. Tumour variables may be modified as further information is notified to the NCRI.
Table Name	Tumour
Variable Name	Tumour Status
Field Type	Admin
Field Key	Tumour Status
Data Type	Bit
Data Size	1
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	

Tumour Survival	
Variable	Tumour Survival
Definition	Survival time in days from date of incidence to common censoring date or (if earlier) date of death. For cases diagnosed after the common censoring date, survival time is shown as null.
Table Name	Tumour
Variable Name	Tumour Survival
Field Type	Derived
Field Key	
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	
Source	Derived
Comments	

Tumour Topography	
Variable	Tumour Topography
Definition	Numeric value to be linked to topography description to obtain the topography code describing the site of the primary tumour.
Table Name	Tumour
Variable Name	Tumour Topography
Field Type	
Field Key	Tumour Topography
Data Type	Integer
Data Size	
Available from Year of Incidence	1994
Verification Rules	Tumour
Source	Collected
Comments	Ensure the relevant code and/or description is included in the output

APPENDIX 1 FIELD KEY

Admission Type

Id	Description	Definition
D	Day Admission	An elective patient admission to hospital for treatment/care which does not require the patient to use a hospital bed overnight.
E	Elective inpatient	The patient is electively admitted to hospital to receive treatment /care from an admission that is either planned or admitted from a waiting list. The patient must use a hospital bed for a minimum of one overnight stay.
M	Emergency inpatient	The patient requires immediate treatment /care as a result of a severe, life threatening or acute illness / injury that poses an immediate risk to the patient's life or long term health. The patient is generally, but not always [e.g. private hospitals] admitted through the hospital Emergency Department (ED) / Accident & Emergency (A&E). For NCRI analysis purpose any patient admitted to the hospital through the Emergency Department (ED) / Accident & Emergency (A&E) is considered an emergency admission.
O	Outpatient Visit	The patient enters the hospital for treatment /care and leaves after the treatment/care has been given without the use of a hospital bed.
Z	Unknown/Other	Patient attends the hospital/facility for treatment/care and it is unknown/not clearly defined for how long a period patient attended the hospital/facility or why the admission was initiated. For any other admission which takes place that does not fit any of the other definitions given.

Approximate Treatment Date

Id	Description
0	False
1	True

Basis of Diagnosis

Id	Description
0	Death certificate only (DCO)
1	Clinical
2	Clinical investigation
4	Specific tumour markers
5	Cytology
7	Histology
7.1	Histology of the primary tumour
7.2	Histology of a metastasis
7.3	Histology at autopsy
8	Cytogenetic and/or molecular testing
9	Unknown
B	Blood Film
C	Cytology
D	Death Certificate only
F	Blood/Fluid test
H	Hist primary
I	Hist other
L1	Clinical-visualization
L2	Clinical-no visualization
LZ	Clinical-unknown
M	Marrow
P	Postmortem
R	Radiology
T	Tumour Marker plus Clinical
Z	Unknown/Other

Care of Address

Id	Description
0	False
1	True

Clinical M,Pathological M

Clinical and Pathological M: The absence or presence of distant metastasis

Fourth edition AJCC Staging
https://cancerstaging.org/references-tools/deskreferences/Documents/AJCC4thEditionCancerStagingManual.pdf

Fifth edition AJCC Staging
https://cancerstaging.org/references-tools/deskreferences/Documents/AJCC5thEdCancerStagingManual.pdf

Seventh edition AJCC Staging
https://cancerstaging.org/references-tools/deskreferences/Documents/AJCC%207th%20Ed%20Cancer%20Staging%20Manual.pdf

Clinical N,Pathological N

Clinical and Pathological N: The absence or presence and extent of regional lymph node metastasis

Fourth edition AJCC Staging
https://cancerstaging.org/references-tools/deskreferences/Documents/AJCC4thEditionCancerStagingManual.pdf

Fifth edition AJCC Staging
https://cancerstaging.org/references-tools/deskreferences/Documents/AJCC5thEdCancerStagingManual.pdf

Seventh edition AJCC Staging
https://cancerstaging.org/references-tools/deskreferences/Documents/AJCC%207th%20Ed%20Cancer%20Staging%20Manual.pdf

Clinical T,Pathological T

Clinical and Pathological T: The extent of the primary tumour

Fourth edition AJCC Staging
https://cancerstaging.org/references-tools/deskreferences/Documents/AJCC4thEditionCancerStagingManual.pdf

Fifth edition AJCC Staging
https://cancerstaging.org/references-tools/deskreferences/Documents/AJCC5thEdCancerStagingManual.pdf

Seventh edition AJCC Staging
https://cancerstaging.org/references-tools/deskreferences/Documents/AJCC%207th%20Ed%20Cancer%20Staging%20Manual.pdf

Consultant, Hospital of SON, Hospital of Treatment, Medical Oncology Code , Pathology Lab

Provided there are no conflicts with the NCRI's obligations under the Data Protection Acts 1988 to 2018 and the General Data Protection Regulation, the relevant code and/or description will be included in the output.

County

Id	Description
CE	CLARE
CK	CORK
CN	CAVAN
CW	CARLOW
DL	DONEGAL
DN	DUBLIN
GY	GALWAY
KE	KILDARE
KK	KILKENNY
KY	KERRY

LD	LONGFORD
LH	LOUTH
LK	LIMERICK
LM	LEITRIM
LS	LAOIS
MH	MEATH
MN	MONAGHAN
MO	MAYO
OS	OVERSEAS/NI/GB/UK
OY	OFFALY
RN	ROSCOMMON
SO	SLIGO
TN	TIPPERARY NORTH
TS	TIPPERARY SOUTH
TY	TIPPERARY
WD	WATERFORD
WH	WESTMEATH
WW	WICKLOW
WX	WEXFORD
ZZ	UNKNOWN

Do Not Contact

Id	Description
0	False
1	True

Grade

Id	Description
0	Primary Acquired Mel
1	Well Differentiated
2	Moderately Differentiated
3	Poorly Differentiated
4	Undifferentiated
5	T-Cell
6	B-Cell
7	Null Cell
9	Unknown
N	Not Applicable

ICD-10-O-3

ICD-O-3-compatible version of ICD-10 code (based on ICD-O-3 tumour behaviour) used to describe the tumour site or type.

Full list available at the following link: https://www.ncri.ie/html/icd10

Incidence Report Ready

Id	Description
0	False
1	True

Main Address

Id	Description
0	False
1	True

Marker Type

Marker Code	Topography Site	Description
ERA	C50	Estrogen Receptor
HEA	C50	HER2 (aka c-erbB-2) amplification
HEO	C50	HER2 (aka c-erbB-2) over-expression
HER	C50	HER2 (aka c-erbB-2) assay type unclear
P16	C01	P16
P16	C02	P16
P16	C03	P16
P16	C04	P16
P16	C05	P16
P16	C06	P16
P16	C07	P16
P16	C08	P16
P16	C09	P16
P16	C10	P16
P16	C11	P16
P16	C12	P16
P16	C13	P16
P16	C14	P16
P16	C20	P16
P16	C21	P16
P16	C30	P16
P16	C31	P16
P16	C32	P16
P16	C44	P16
P16	C51	P16
P16	C52	P16
P16	C53	P16
P16	C60	P16
P16	C76	P16
PRA	C50	Progesterone Receptor
PSA	C61	Prostate Specific Antigen based on highest known serum level at diagnosis

ZZZ	C80	Unknown

Marker Value

Marker Type Description	Topography Site	Marker Value	Marker Value Description
Estrogen Receptor	C50	0	no receptor activity
Estrogen Receptor	C50	1	unclear, e.g. "possibly
Estrogen Receptor	C50	2	some receptor activity
Estrogen Receptor	C50	3	receptor activity NOS or strong
HER2 (aka c-erbB-2) amplification	C50	0	no / negative
HER2 (aka c-erbB-2) amplification	C50	1	ambiguous, e.g. possible, unclear
HER2 (aka c-erbB-2) amplification	C50	2	weakly positive; some amplification
HER2 (aka c-erbB-2) amplification	C50	3	yes/positive (NOS or strong)
HER2 (aka c-erbB-2) assay type unclear	C50	0	no / negative
HER2 (aka c-erbB-2) assay type unclear	C50	1	ambiguous, e.g. possible, unclear
HER2 (aka c-erbB-2) assay type unclear	C50	2	weakly positive; some amplification
HER2 (aka c-erbB-2) assay type unclear	C50	3	yes/positive (NOS or strong)
HER2 (aka c-erbB-2) over-expression	C50	0	score 0/negative/no staining or membrane staining in < 10% of tumour cells
HER2 (aka c-erbB-2) over-expression	C50	1	score 1+/negative/faint membrane staining in >10% of tumour cells but cells are only stained in part of the membrane
HER2 (aka c-erbB-2) over-expression	C50	2	score 2+/weak positive/weak to moderate complete membrane staining in >10% of tumour cells
HER2 (aka c-erbB-2) over-expression	C50	3	score 3+/strong positive/strong complete membrane staining in >10% of tumour cells

P16	C21	0	negative
P16	C21	1	positive
P16	C60	0	negative
P16	C60	1	positive
P16	C20	0	negative
P16	C20	1	positive
P16	C51	0	negative
P16	C51	1	positive
P16	C52	0	negative
P16	C52	1	positive
P16	C53	0	negative
P16	C53	1	positive
P16	C03	0	negative
P16	C03	1	positive
P16	C76	0	negative
P16	C76	1	positive
P16	C44	0	negative
P16	C44	1	positive
P16	C01	0	negative
P16	C01	1	positive
P16	C02	0	negative
P16	C02	1	positive
P16	C04	0	negative
P16	C04	1	positive
P16	C05	0	negative
P16	C05	1	positive
P16	C06	0	negative
P16	C06	1	positive
P16	C07	0	negative
P16	C07	1	positive
P16	C08	0	negative
P16	C08	1	positive
P16	C09	0	negative
P16	C09	1	positive
P16	C10	0	negative
P16	C10	1	positive
P16	C11	0	negative
P16	C11	1	positive
P16	C12	0	negative
P16	C12	1	positive
P16	C13	0	negative
P16	C13	1	positive
P16	C14	0	negative
P16	C14	1	positive
P16	C30	0	negative

P16	C30	1	positive
P16	C31	0	negative
P16	C31	1	positive
P16	C32	0	negative
P16	C32	1	positive
Progesterone Receptor	C50	0	no receptor activity
Progesterone Receptor	C50	1	unclear, e.g. "possibly"
Progesterone Receptor	C50	2	some receptor activity
Progesterone Receptor	C50	3	receptor activity NOS or strong
Prostate Specific Antigen based on highest known serum level at diagnosis	C61	0	normal
Prostate Specific Antigen based on highest known serum level at diagnosis	C61	1	borderline
Prostate Specific Antigen based on highest known serum level at diagnosis	C61	3	elevated
Unknown	C80	9	Unknown

Metastasis Topography,Staging Site Topography,Treatment Site Topography,Tumour Topography

Full list available at the following link:
https://www.ncri.ie/html/icdo3sites

Method of Presentation

Id	Description	Definition
A	Autopsy	Is defined as ‘a medical examination of a dead person's body in order to find out how they died and to establish the cause of death’. (Oxford English Dictionary) Note: postmortem is a synonym for autopsy.
C1	Screening unspecified	This option is selected when it is confirmed that some form of patient screening occurred but the precise screening method used is not known.
C2	Screening organised	This option is only selected for use when defined National Screening Service Programmes which currently

		are BreastCheck, CervicalCheck and BowelScreen are undertaken.
C3	Screening opportunistic	This option is selected for use when there is a reason for a patient to have screening performed outside of the national screening programme age range for that particular service.
I	Incidental	This is selected when a patient is treated for an unrelated condition and a cancer or other registerable tumour is discovered whilst investigating the original condition.
S	Symptoms	This is selected when the patient presents for investigation of signs of ill health related to the cancer/ tumour subsequently diagnosed.
Z	Unknown	This is selected when it is not known and cannot be ascertained from any medical notes or related patient documentation as to how the patient presented with the registerable tumour.

Morphology Code ICD-O3

Full list available at the following link:
https://cancercenter.ai/icd-o-pathology-codes/morphological-codes-icd-o-3/

Morphology Code ICD-O3 Group

Id	Description
1	Squamous
2	Basal
3	Adenocarcinomas
4	Other carcinomas
5	Unspecified carcinomas
6	Sarcomas
7	Mesothelioma
8	Myeloid
9	B-cell
10	T-cell
11	Hodgkin
12	Mast-cell
13	Histiocytes
14	Unspecified haem
15	Kaposi
16	Other cancer
16a	Melanoma
17	Cancer nos

Morphology Description Id

Full list of codes available at: https://www.ncri.ie/html/morphology-groups

Mortality Status

Id	Description
A	Alive
D	Dead
O	Overseas
Z	Unknown

Neo Adjuvant

Id	Description
Yes	Patient had Neo Adjuvant treatment
No	Patient did not have Neo Adjuvant treatment
Unknown	Unknown if patient had Neo Adjuvant treatment

Node Evaluation

Id	Description
1	Sentinel node < = 1
2	Sentinel node > 1
3	Excision, sampling, clearance of node(s)
4	Biopsy, aspiration, core biopsy of node
5	Sentinel node plus excision
8	No regional nodes examined
9	Unknown

Nodes Positive

Id	Description
0	All nodes examined negative
1	1 node positive
2	2 nodes positive
3	3 nodes positive
4	4 nodes positive
5	5 nodes positive
6	6 nodes positive
7	7 nodes positive
8	8 nodes positive
9	9 nodes positive
10	10 nodes positive
11	11 nodes positive
12	12 nodes positive
13	13 nodes positive
14	14 nodes positive
15	15 nodes positive

16	16 nodes positive
17	17 nodes positive
18	18 nodes positive
19	19 nodes positive
20	20 nodes positive
21	21 nodes positive
22	22 nodes positive
23	23 nodes positive
24	24 nodes positive
25	25 nodes positive
26	26 nodes positive
27	27 nodes positive
28	28 nodes positive
29	29 nodes positive
30	30 nodes positive
31	31 nodes positive
32	32 nodes positive
33	33 nodes positive
34	34 nodes positive
35	35 nodes positive
36	36 nodes positive
37	37 nodes positive
38	38 nodes positive
39	39 nodes positive
40	40 nodes positive
41	41 nodes positive
42	42 nodes positive
43	43 nodes positive
44	44 nodes positive
45	45 nodes positive
46	46 nodes positive
47	47 nodes positive
48	48 nodes positive
49	49 nodes positive
50	50 nodes positive
51	51 nodes positive
52	52 nodes positive
53	53 nodes positive
54	54 nodes positive
55	55 nodes positive
56	56 nodes positive
57	57 nodes positive
58	58 nodes positive
59	59 nodes positive
60	60 nodes positive

61	61 nodes positive
62	62 nodes positive
63	63 nodes positive
64	64 nodes positive
65	65 nodes positive
66	66 nodes positive
67	67 nodes positive
68	68 nodes positive
69	69 nodes positive
70	70 nodes positive
71	71 nodes positive
72	72 nodes positive
73	73 nodes positive
74	74 nodes positive
75	75 nodes positive
76	76 nodes positive
77	77 nodes positive
78	78 nodes positive
79	79 nodes positive
80	80 nodes positive
81	81 nodes positive
82	82 nodes positive
83	83 nodes positive
84	84 nodes positive
85	85 nodes positive
86	86 nodes positive
87	87 nodes positive
88	88 nodes positive
89	89 nodes positive
90	90 or more nodes positive
95	Positive aspiration or core biopsy of lymph node(s)
97	Positive nodes - number unspecified
98	No nodes examined
99	Unknown if nodes are positive; not applicable; not documented in patient record

Nodes Sampled

Id	Description
0	No nodes examined
1	1 node examined
2	2 nodes examined
3	3 nodes examined
4	4 nodes examined
5	5 nodes examined
6	6 nodes examined

7	7 nodes examined
8	8 nodes examined
9	9 nodes examined
10	10 nodes examined
11	11 nodes examined
12	12 nodes examined
13	13 nodes examined
14	14 nodes examined
15	15 nodes examined
16	16 nodes examined
17	17 nodes examined
18	18 nodes examined
19	19 nodes examined
20	20 nodes examined
21	21 nodes examined
22	22 nodes examined
23	23 nodes examined
24	24 nodes examined
25	25 nodes examined
26	26 nodes examined
27	27 nodes examined
28	28 nodes examined
29	29 nodes examined
30	30 nodes examined
31	31 nodes examined
32	32 nodes examined
33	33 nodes examined
34	34 nodes examined
35	35 nodes examined
36	36 nodes examined
37	37 nodes examined
38	38 nodes examined
39	39 nodes examined
40	40 nodes examined
41	41 nodes examined
42	42 nodes examined
43	43 nodes examined
44	44 nodes examined
45	45 nodes examined
46	46 nodes examined
47	47 nodes examined
48	48 nodes examined
49	49 nodes examined
50	50 nodes examined
51	51 nodes examined

52	52 nodes examined
53	53 nodes examined
54	54 nodes examined
55	55 nodes examined
56	56 nodes examined
57	57 nodes examined
58	58 nodes examined
59	59 nodes examined
60	60 nodes examined
61	61 nodes examined
62	62 nodes examined
63	63 nodes examined
64	64 nodes examined
65	65 nodes examined
66	66 nodes examined
67	67 nodes examined
68	68 nodes examined
69	69 nodes examined
70	70 nodes examined
71	71 nodes examined
72	72 nodes examined
73	73 nodes examined
74	74 nodes examined
75	75 nodes examined
76	76 nodes examined
77	77 nodes examined
78	78 nodes examined
79	79 nodes examined
80	80 nodes examined
81	81 nodes examined
82	82 nodes examined
83	83 nodes examined
84	84 nodes examined
85	85 nodes examined
86	86 nodes examined
87	87 nodes examined
88	88 nodes examined
89	89 nodes examined
90	90 or more nodes examined
95	No regional nodes removed, but aspiration or core biopsy of regional nodes performed
98	Regional lymph nodes surgically removed but number of lymph nodes unknown/not stated and not documented
99	Unknown if nodes were examined; not applicable

NSS Detected

Id	Description
0	False
1	True

Patient CervicalCheck Report Status,Tumour CervicalCheck Report Status

Id	Description
1	CervixInvasive
2	AddExisting
3	MergeExisting
4	OtherGynaeSite
5	NonGynaeSite
6	Cervix-In-situ
7	NonSite-InSitu
8	Pre94
9	NonResident
10	NotCancer
11	Duplicate
12	UnmatchDC
13	UnmatchPathology
15	Demerged
16	Deleted
21	UnmatchRadiotherapy
22	UnmatchHIPE

Procedure Category

Id	Description
A	Autopsy
C	Consult
D	Death Certificate
L	Patient Link
M	Medical Oncology
R	Radiotherapy
S	Surgery
Z	Unknown

Procedure Group

Id	Description
1	Tumour directed surgery
2	Tumour directed endoscopic surgery
3	Other tumour destruction
4	Symptom relieving procedure
5	Diagnostic/staging procedure

6	Endocrine Surgery
7	Bone marrow transplant / stem cell transplant
8	Reconstructive surgery
9	Other surgery or procedure
10	Autopsy
11	Consult
12	Medical oncology: chemotherapy
13	Medical oncology: hormone
14	Medical oncology: immunotherapy
15	Medical oncology: chemotherapy or immunotherapy
16	Medical oncology: unspecified agent
17	Medical oncology: other
18	Medical oncology: ancillary agent
19	Radiotherapy: beam radiation
20	Radiotherapy: NOS
21	Radiotherapy: radioactive implant
22	Radiotherapy: radioisotope
23	Death Certificate
24	Patient Link

Purpose of Treatment

Id	Description
A	Palliative
D	Diagnostic
M	For Metastasis
P	Primary treatment
R	For Recurrence
S	Substituted primary drug
T	Do not use -Tumour excision or destruction NOS
Z	Unknown/Other

Sex

Id	Description
F	Female
M	Male
Z	Unknown

Side

Id	Description
B	Both
L	Left
M	Midline
N	Not Applicable
R	Right

Z	Unknown

Source Of Notification Id

Id	Description	Definition
A	Chart	This is selected when entering data from the person's hardcopy medical chart/notes.
B	Hospital Database/E-Chart	This is selected when entering data from the person's hospital electronic record this includes electronic charts or accessing electronic data systems.
C	Central Sources	This code is no longer in use
D	Death Certificate	This is only used when tumours are registered from a death certificate.
E	Death Register	This is selected when entering data from the hospital's death register.
G	GP	This is selected when the tumour is notified to NCRI by the person's General Practitioner.
H	Hipe	This is selected when entering data from HIPE reports either hardcopy or electronic.
O	Other Outpatient	This is selected for any data sourced as an outpatient which does not fit into any other Source of Notification [e.g. Outpatient chemotherapy list or outpatient hospital consultant letter].
P	Pathology	This is selected when entering data from histopathology reports either hardcopy or electronic.
R	Radiotherapy	This is selected when entering data from radiotherapy reports either hardcopy or electronic.
T	Other Inpatient	This is selected for any data sourced as an inpatient which does not fit into any other Source of Notification [e.g. Inpatient chemotherapy list or Inpatient hospital consultant letter].
Z	Unknown	This option should not be selected.

Treatment Coding System

Id	Name
1	ICD-9-CM
2	ICD-10-AM

Tumour Death Certificate Only

Id	Description
0	No
1	Yes

Tumour Status

Id	Description
0	Closed
1	Open

APPENDIX 2 TABLE NAME AND VARIABLE NAME

Demographics

Address Id
Address Line 1
Address Line 2
Address Line 3
Address Line 4
Address Line 5
Also Known As
Care of Address
Comment Date
Comment Id
County
Date of Birth
Date of Death
Do Not Contact
Firstname
Firstname2
House Name
House Number
Maiden Name
Main Address
Mortality Status
Notes
Patient CervicalCheck Report Date
Patient CervicalCheck Report Status
Patient Id
Postcode
PPS Number
Sex
Surname

Staging

Clinical M
Clinical N
Clinical T
Clinical Tumour Size
Neo Adjuvant
Node Evaluation
Nodes Positive
Nodes Sampled
Pathological M

Pathological N
Pathological T
Pathological Tumour Size
Staging Site Topography

Treatment Code

Admission Type
Approximate Treatment Date
Consultant
Date of Treatment
Hospital of Treatment
Management Id
Medical Oncology Code
Medical Oncology Comment
MRN
Procedure Category
Procedure Group
Purpose of Treatment
Treatment
Treatment Coding System
Treatment Site Topography

Tumour

Age at Incidence
Basis of Diagnosis
Closed Date
Date of Incidence
Date of Metastasis
Date of Notification
Date of Recurrence
Date of Tumour Marker
Grade
Histology Lab Number
Hospital of SON
ICD-10-O-3
Incidence Report Ready
Marker Id
Marker Type
Marker Value
Metastasis Id
Metastasis Topography
Method of Presentation
Morphology Code ICD-O3
Morphology Code ICD-O3 Group

Morphology Description Id
NSS Detected
Pathology Lab
Pathology Subtext
Side
Source Id
Source Of Notification Id
Tumour CervicalCheck Report Date
Tumour CervicalCheck Report Status
Tumour Death Certificate Only
Tumour Id
Tumour Status
Tumour Survival
Tumour Topography

APPENDIX 3 VERIFICATION RULES BY TABLE AND COLUMN NAME

EE = Error at point of entry
WE = Warning at point of entry
EC = Error during closing process
WC = Warning during closing process

Demographics

Column Name	Description	Type
Address Line 1	Address field cannot contain invalid characters	EE
Address Line 1	Address field has max length	EE
Address Line 1	Address Line 1 is a required field	EE
Address Line 2	Address field cannot contain invalid characters	EE
Address Line 2	Address field has max length	EE
Address Line 3	Address field cannot contain invalid characters	EE
Address Line 3	Address field has max length	EE
Address Line 4	Address field cannot contain invalid characters	EE
Address Line 4	Address field has max length	EE
Address Line 5	Address field cannot contain invalid characters	EE
Address Line 5	Address field has max length	EE
Also Known As	Patient names cannot contain invalid characters	EE
Also Known As	Patient names must be shorter than 101 characters	EE
Date of Birth	Date of birth is a required field when closing the tumour	WC
Date of Birth	Date of Birth is null - warning	WE
Date of Birth	Date of birth must be chronologically on or before the current date	EE
Date of Birth	Date of birth must be chronologically on or before the Date of Death	EE
Date of Birth	Date of death must be chronologically on or after the Date of Birth	EE
Date of Birth	Date Of Incidence must be chronologically equal to or after the date or birth	EE
Date of Birth	Date of Metastasis must be chronologically equal to or after the date of birth	EE
Date of Birth	Date of Notification must be chronologically equal to or after the date of birth	EE
Date of Birth	Date of Recurrence must be chronologically after the date of birth	EE
Date of Birth	Date of treatment must be chronologically equal to or after the date of birth	EE
Date of Death	Conflict between mortality status and date of death may exist	EE
Date of Death	Date of birth must be chronologically on or before the Date of Death	EE
Date of Death	Date of Death cannot be blank if there is a source of notification of D (Death certificate)	EE
Date of Death	Date of death must be chronologically on or after the Date of Birth	EE
Date of Death	Date of death must be chronologically on or before the current date	EE
Date of Death	Date Of Incidence must be chronologically equal to or before date of death	EE
Date of Death	Date of Metastasis must be chronologically equal to or before date of death	EE
Date of Death	Date of Recurrence must be chronologically equal to or before the date of death	EE
Date of Death	Date of treatment must be chronologically equal to or before date of death	EE
Date of Death	Patient has no date of death but the mortality status is set to D	WC

Date of Death	The date of death must be chronologically equal to or after 01/01/1994	EE
Date of Death	Where Basis of Diagnosis is 'Histology at autopsy' (7.3), the date of death should not be blank.	WE
Date of Death	Where Method of Diagnosis is 'Post Mortem' (P), the date of death should not be blank.	WE
Date of Death	Where Method of Presentation is Autopsy, the date of death should not be blank.	WE
Firstname	Patient forename must not be empty	WE
Firstname	Patient names cannot contain invalid characters	EE
Firstname	Patient names must be shorter than 101 characters	EE
Firstname2	Patient names cannot contain invalid characters	EE
Firstname2	Patient names must be shorter than 101 characters	EE
House Name	Address field cannot contain invalid characters	EE
House Name	Address field has max length	EE
House Number	House Number cannot contain invalid characters	EE
House Number	House Number has max length	EE
Maiden Name	Patient names cannot contain invalid characters	EE
Maiden Name	Patient names must be shorter than 101 characters	EE
Mortality Status	Conflict between mortality status and date of death may exist	EE
Mortality Status	Patient has no date of death but the mortality status is set to D	WC
Notes	Registration comment cannot be null	EE
Notes	Registration comment has max length	EE
Notes	Registration comments cannot contain invalid characters	EE
Postcode	Eircode cannot contain invalid characters	EE
Postcode	Eircode has max length	EE
PPS Number	PPSN has a min length of 5 characters	WE
PPS Number	PPSN is invalid	EE
Sex	Sex is a required field	EE
Sex	The following management sites and Female sex combinations are not valid: C60, C61, C62 or C63.	EE
Sex	The following management sites and Male sex combinations are not valid: C51, C52, C53, C54, C55, C56, C57 or C58.	EE
Sex	The following staging sites and Female sex combinations are not valid: C60, C61, C62 or C63.	EE
Sex	The following staging sites and Male sex combinations are not valid: C51, C52, C53, C54, C55, C56, C57 or C58.	EE
Sex	The following tumour sites and Female sex combinations are not valid: C60, C61, C62 or C63.	EE
Sex	The following tumour sites and Male sex combinations are not valid: C51, C52, C53, C54, C55, C56, C57 or C58.	EE
Surname	Patient names cannot contain invalid characters	EE
Surname	Patient names must be shorter than 101 characters	EE
Surname	Patient surname must not be empty	EE

Staging

Column Name	Description	Type
Clinical M	A tumour cannot have blank staging on closing tumour	EC
Clinical M	All staging codes should be set to 9 when certain conditions are met	EE
Clinical M	For sites with a behaviour code of '0' or '1' (with the exception of C67* and some others) all the staging codes should be '9'.	EE
Clinical M	If Date of Metastases are equal to Date of Incidence then at least one of the M staging codes (pathological or clinical) must be 1	EC
Clinical M	If the date of metastases is equal to the date of incidence and T is between T1 to T4 or TX then at least one of the M staging codes (Pathological or Clinical) must be 1.	WE
Clinical M	Pre ICDO3.2, all staging codes should be set to ‘9’ when the site is C44.* and Morphology is M-8010/2, M-8010/3, M-8051/3, M-8052/3, M-8070/2, M-8070/3, M-8071/3, M-8072/3, M-8074/3, M-8075/3, M-8076/2, M-8076/3, M-8081/2, M-8090/1, M-8090/2, M-8090/3, M-8091/3, M-8092/3, M-8093/3, M-8094/3, M-8095/3 or M-8097/3	WE
Clinical M	When the site is C67* and the behaviour code is ‘1’, the T staging codes should be ‘Ta’ (or ‘a’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Clinical M	Where the behaviour code of a tumour is In-situ (2), then the T staging codes should be ‘Tis’ (or ‘is’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Clinical M	Where the T (Clinical and Pathological) staging codes are ‘Tis’ (or ‘is’) or ‘Ta’ (or ‘a’) then the corresponding N and M staging codes should be ‘N0’ and ‘M0’ (or ‘0’). If Neoadjuvant is ‘Yes’ then Pathological N value may be greater than 0.	EE
Clinical M	With the exception of Lymphomas, all staging codes should be set to ‘9’ for any of the specific sites:C17.3, C25.4, C26.0, C26.8, C26.9, C30.0, C30.1, C31.2, C31.3, C31.8, C31.9, C33.9, C37.9, C39.0, C39.8, C39.9, C42.0-C42.4, C57.1-C57.4, C57.7-C57.9, C63.0, C63.1, C63.7-C63.9, C69.1, C69.9, C70.0, C70.1, C70.9, C71.*, C72.0-C72.5, C72.8, C72.9, C74.1, C74.9, C75.0-C75.5, C75.8, C75.9, C76.0-C76.5, C76.7, C76.8, C80.9	EE
Clinical M	With the exception of Lymphomas, at least one metastases is required on tumour close if the Clinical M or Pathological M is set to M1	EC
Clinical N	A tumour cannot have blank staging on closing tumour	EC
Clinical N	All staging codes should be set to 9 when certain conditions are met	EE
Clinical N	For sites with a behaviour code of '0' or '1' (with the exception of C67* and some others) all the staging codes should be '9'.	EE
Clinical N	Pre ICDO3.2, all staging codes should be set to ‘9’ when the site is C44.* and Morphology is M-8010/2, M-8010/3, M-8051/3, M-8052/3, M-8070/2, M-8070/3, M-8071/3, M-8072/3, M-8074/3, M-8075/3, M-8076/2, M-8076/3, M-8081/2, M-8090/1, M-8090/2, M-8090/3, M-8091/3, M-8092/3, M-8093/3, M-8094/3, M-8095/3 or M-8097/3	WE
Clinical N	When the site is C67* and the behaviour code is ‘1’, the T staging codes should be ‘Ta’ (or ‘a’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Clinical N	Where the behaviour code of a tumour is In-situ (2), then the T staging codes should be ‘Tis’ (or ‘is’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Clinical N	Where the T (Clinical and Pathological) staging codes are ‘Tis’ (or ‘is’) or ‘Ta’ (or ‘a’) then the corresponding N and M staging codes should be ‘N0’ and	EE

	'M0' (or '0'). If Neoadjuvant is 'Yes' then Pathological N value may be greater than 0.	
Clinical N	With the exception of Lymphomas, all staging codes should be set to '9' for any of the specific sites:C17.3, C25.4, C26.0, C26.8, C26.9, C30.0, C30.1, C31.2, C31.3, C31.8, C31.9, C33.9, C37.9, C39.0, C39.8, C39.9, C42.0-C42.4, C57.1-C57.4, C57.7-C57.9, C63.0, C63.1, C63.7-C63.9, C69.1, C69.9, C70.0, C70.1, C70.9, C71.*, C72.0-C72.5, C72.8, C72.9, C74.1, C74.9, C75.0-C75.5, C75.8, C75.9, C76.0-C76.5, C76.7, C76.8, C80.9	EE
Clinical T	A tumour cannot have blank staging on closing tumour	EC
Clinical T	All staging codes should be set to 9 when certain conditions are met	EE
Clinical T	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T1 less than or equal to 20mm	EE
Clinical T	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T1b greater than 5mm and less than or equal to 10mm	EE
Clinical T	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T1c greater than 10mm and less than or equal to 20mm	EE
Clinical T	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T1mi less than or equal to 1mm	EE
Clinical T	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T2 greater than 20mm and less than or equal to 50mm	EE
Clinical T	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T3 greater than 50mm	EE
Clinical T	For sites with a behaviour code of '0' or '1' (with the exception of C67* and some others) all the staging codes should be '9'.	EE
Clinical T	Pre ICDO3.2, all staging codes should be set to '9' when the site is C44.* and Morphology is M-8010/2, M-8010/3, M-8051/3, M-8052/3, M-8070/2, M-8070/3, M-8071/3, M-8072/3, M-8074/3, M-8075/3, M-8076/2, M-8076/3, M-8081/2, M-8090/1, M-8090/2, M-8090/3, M-8091/3, M-8092/3, M-8093/3, M-8094/3, M-8095/3 or M-8097/3	WE
Clinical T	When the site is C67* and the behaviour code is '1', the T staging codes should be 'Ta' (or 'a') and the M and N staging codes should be 'N0' and 'M0' (or '0')	WC
Clinical T	Where the behaviour code of a tumour is In-situ (2), then the T staging codes should be 'Tis' (or 'is') and the M and N staging codes should be 'N0' and 'M0' (or '0')	WC
Clinical T	Where the T (Clinical and Pathological) staging codes are 'Tis' (or 'is') or 'Ta' (or 'a') then the corresponding N and M staging codes should be 'N0' and 'M0' (or '0'). If Neoadjuvant is 'Yes' then Pathological N value may be greater than 0.	EE
Clinical T	With the exception of Lymphomas, all staging codes should be set to '9' for any of the specific sites:C17.3, C25.4, C26.0, C26.8, C26.9, C30.0, C30.1, C31.2, C31.3, C31.8, C31.9, C33.9, C37.9, C39.0, C39.8, C39.9, C42.0-C42.4, C57.1-C57.4, C57.7-C57.9, C63.0, C63.1, C63.7-C63.9, C69.1, C69.9, C70.0, C70.1, C70.9, C71.*, C72.0-C72.5, C72.8, C72.9, C74.1, C74.9, C75.0-C75.5, C75.8, C75.9, C76.0-C76.5, C76.7, C76.8, C80.9	EE
Clinical Tumour Size	Clinical Tumour Size values may range from 0 to 999.99	EE
Clinical Tumour Size	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T1 less than or equal to 20mm	EE
Clinical Tumour Size	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T1a greater than 1mm and less than or equal to 5mm	EE

Clinical Tumour Size	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T1b greater than 5mm and less than or equal to 10mm	EE
Clinical Tumour Size	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T1c greater than 10mm and less than or equal to 20mm	EE
Clinical Tumour Size	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T1mi less than or equal to 1mm	EE
Clinical Tumour Size	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T2 greater than 20mm and less than or equal to 50mm	EE
Clinical Tumour Size	For C50.*, tumour size clinical is not within allowable range for ClinicalT value - T3 greater than 50mm	EE
Neo Adjuvant	Where the T (Clinical and Pathological) staging codes are ‘Tis’ (or ‘is’) or ‘Ta’ (or ‘a’) then the corresponding N and M staging codes should be ‘N0’ and ‘M0’ (or ‘0’). If Neoadjuvant is ‘Yes’ then Pathological N value may be greater than 0.	EE
Node Evaluation	Where pathological (pN) field is set to a value > 0 the Node Examined field must be >than 00 and Nodes Positive fields must be populated between 00 - 99.	EE
Nodes Positive	Where pathological (pN) field is set to >0 - 3* , Node Positive Field must be set >00.	EE
Nodes Positive	Where pathological (pN) field is set to a value > 0 the Node Examined field must be >than 00 and Nodes Positive fields must be populated between 00 - 99.	EE
Pathological M	A tumour cannot have blank staging on closing tumour	EC
Pathological M	All staging codes should be set to 9 when certain conditions are met	EE
Pathological M	For sites with a behaviour code of '0' or '1' (with the exception of C67* and some others) all the staging codes should be '9'.	EE
Pathological M	If Date of Metastases are equal to Date of Incidence then at least one of the M staging codes (pathological or clinical) must be 1	EC
Pathological M	If the date of metastases is equal to the date of incidence and T is between T1 to T4 or TX then at least one of the M staging codes (Pathological or Clinical) must be 1.	WE
Pathological M	Pre ICDO3.2, all staging codes should be set to ‘9’ when the site is C44.* and Morphology is M-8010/2, M-8010/3, M-8051/3, M-8052/3, M-8070/2, M-8070/3, M-8071/3, M-8072/3, M-8074/3, M-8075/3, M-8076/2, M-8076/3, M-8081/2, M-8090/1, M-8090/2, M-8090/3, M-8091/3, M-8092/3, M-8093/3, M-8094/3, M-8095/3 or M-8097/3	WE
Pathological M	When the site is C67* and the behaviour code is ‘1’, the T staging codes should be ‘Ta’ (or ‘a’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Pathological M	Where the behaviour code of a tumour is In-situ (2), then the T staging codes should be ‘Tis’ (or ‘is’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Pathological M	With the exception of Lymphomas, all staging codes should be set to ‘9’ for any of the specific sites:C17.3, C25.4, C26.0, C26.8, C26.9, C30.0, C30.1, C31.2, C31.3, C31.8, C31.9, C33.9, C37.9, C39.0, C39.8, C39.9, C42.0-C42.4, C57.1-C57.4, C57.7-C57.9, C63.0, C63.1, C63.7-C63.9, C69.1, C69.9, C70.0, C70.1, C70.9, C71.*, C72.0-C72.5, C72.8, C72.9, C74.1, C74.9, C75.0-C75.5, C75.8, C75.9, C76.0-C76.5, C76.7, C76.8, C80.9	EE
Pathological M	With the exception of Lymphomas, at least one metastases is required on tumour close if the Clinical M or Pathological M is set to M1	EC
Pathological N	A tumour cannot have blank staging on closing tumour	EC

Pathological N	All staging codes should be set to 9 when certain conditions are met	EE
Pathological N	For sites with a behaviour code of '0' or '1' (with the exception of C67* and some others) all the staging codes should be '9'.	EE
Pathological N	Pre ICDO3.2, all staging codes should be set to ‘9’ when the site is C44.* and Morphology is M-8010/2, M-8010/3, M-8051/3, M-8052/3, M-8070/2, M-8070/3, M-8071/3, M-8072/3, M-8074/3, M-8075/3, M-8076/2, M-8076/3, M-8081/2, M-8090/1, M-8090/2, M-8090/3, M-8091/3, M-8092/3, M-8093/3, M-8094/3, M-8095/3 or M-8097/3	WE
Pathological N	When the site is C67* and the behaviour code is ‘1’, the T staging codes should be ‘Ta’ (or ‘a’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Pathological N	Where pathological (pN) field is set to >0 - 3* , Node Positive Field must be set >00.	EE
Pathological N	Where pathological (pN) field is set to a value > 0 the Node Examined field must be >than 00 and Nodes Positive fields must be populated between 00 - 99.	EE
Pathological N	Where the behaviour code of a tumour is In-situ (2), then the T staging codes should be ‘Tis’ (or ‘is’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Pathological N	Where the T (Clinical and Pathological) staging codes are ‘Tis’ (or ‘is’) or ‘Ta’ (or ‘a’) then the corresponding N and M staging codes should be ‘N0’ and ‘M0’ (or ‘0’). If Neoadjuvant is ‘Yes’ then Pathological N value may be greater than 0.	EE
Pathological N	With the exception of Lymphomas, all staging codes should be set to ‘9’ for any of the specific sites:C17.3, C25.4, C26.0, C26.8, C26.9, C30.0, C30.1, C31.2, C31.3, C31.8, C31.9, C33.9, C37.9, C39.0, C39.8, C39.9, C42.0-C42.4, C57.1-C57.4, C57.7-C57.9, C63.0, C63.1, C63.7-C63.9, C69.1, C69.9, C70.0, C70.1, C70.9, C71.*, C72.0-C72.5, C72.8, C72.9, C74.1, C74.9, C75.0-C75.5, C75.8, C75.9, C76.0-C76.5, C76.7, C76.8, C80.9	EE
Pathological T	A tumour cannot have blank staging on closing tumour	EC
Pathological T	All staging codes should be set to 9 when certain conditions are met	EE
Pathological T	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1 less than or equal to 20mm	EE
Pathological T	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1a greater than 1mm and less than or equal to 5mm	EE
Pathological T	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1b greater than 5mm and less than or equal to 10mm	EE
Pathological T	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1c greater than 10mm and less than or equal to 20mm	EE
Pathological T	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1mi less than or equal to 1mm	EE
Pathological T	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T2 greater than 20mm and less than or equal to 50mm	EE
Pathological T	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T3 greater than 50mm	EE
Pathological T	For sites with a behaviour code of '0' or '1' (with the exception of C67* and some others) all the staging codes should be '9'.	EE
Pathological T	Pre ICDO3.2, all staging codes should be set to ‘9’ when the site is C44.* and Morphology is M-8010/2, M-8010/3, M-8051/3, M-8052/3, M-8070/2, M-8070/3, M-8071/3, M-8072/3, M-8074/3, M-8075/3, M-8076/2, M-8076/3,	WE

	M-8081/2, M-8090/1, M-8090/2, M-8090/3, M-8091/3, M-8092/3, M-8093/3, M-8094/3, M-8095/3 or M-8097/3	
Pathological T	When the site is C67* and the behaviour code is '1', the T staging codes should be 'Ta' (or 'a') and the M and N staging codes should be 'N0' and 'M0' (or '0')	WC
Pathological T	Where the behaviour code of a tumour is In-situ (2), then the T staging codes should be 'Tis' (or 'is') and the M and N staging codes should be 'N0' and 'M0' (or '0')	WC
Pathological T	Where the T (Clinical and Pathological) staging codes are 'Tis' (or 'is') or 'Ta' (or 'a') then the corresponding N and M staging codes should be 'N0' and 'M0' (or '0'). If Neoadjuvant is 'Yes' then Pathological N value may be greater than 0.	EE
Pathological T	With the exception of Lymphomas, all staging codes should be set to '9' for any of the specific sites:C17.3, C25.4, C26.0, C26.8, C26.9, C30.0, C30.1, C31.2, C31.3, C31.8, C31.9, C33.9, C37.9, C39.0, C39.8, C39.9, C42.0-C42.4, C57.1-C57.4, C57.7-C57.9, C63.0, C63.1, C63.7-C63.9, C69.1, C69.9, C70.0, C70.1, C70.9, C71.*, C72.0-C72.5, C72.8, C72.9, C74.1, C74.9, C75.0-C75.5, C75.8, C75.9, C76.0-C76.5, C76.7, C76.8, C80.9	EE
Pathological Tumour Size	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1 less than or equal to 20mm	EE
Pathological Tumour Size	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1a greater than 1mm and less than or equal to 5mm	EE
Pathological Tumour Size	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1b greater than 5mm and less than or equal to 10mm	EE
Pathological Tumour Size	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1c greater than 10mm and less than or equal to 20mm	EE
Pathological Tumour Size	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T1mi less than or equal to 1mm	EE
Pathological Tumour Size	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T2 greater than 20mm and less than or equal to 50mm	EE
Pathological Tumour Size	For C50.*, tumour size pathological is not within allowable range for PathologicalT value - T3 greater than 50mm	EE
Pathological Tumour Size	Pathological Tumour Size values may range from 0 to 999.99	EE
Staging Site Topography	All staging codes should be set to 9 when certain conditions are met	EE
Staging Site Topography	The following staging sites and Female sex combinations are not valid: C60, C61, C62 or C63.	EE
Staging Site Topography	The following staging sites and Male sex combinations are not valid: C51, C52, C53, C54, C55, C56, C57 or C58.	EE

Treatment Code

Column Name	Description	Type
Admission Type	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE
Admission Type	Admission Type is a required field on tumour close	EC
Consultant	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE
Consultant	Consultant is required field when closing tumour	EC

Date of Treatment	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE
Date of Treatment	Date of treatment is required field when closing tumour	EC
Date of Treatment	Date of treatment must be at the earliest 6 months prior to, equal to or after the date of incidence	EE
Date of Treatment	Date of treatment must be chronologically equal to or after the date of birth	EE
Date of Treatment	Date of treatment must be chronologically equal to or before date of death	EE
Date of Treatment	Date of treatment must be chronologically equal to or before the current date	EE
Date of Treatment	Date of treatment must be greater than or equal to 01/01/1994	EC
Date of Treatment	Date of treatment should be after the date of incidence, for all treatment categories except Consult (C)	WE
Hospital of Treatment	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE
Hospital of Treatment	Hospital of Treatment is a required field	EE
Hospital of Treatment	Hospital of Treatment is a required field on tumour close	EC
MRN	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE
MRN	MRN has a max length	EE
MRN	MRN is a required field when closing tumour	EC
Procedure Category	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE
Procedure Category	Basis of Diagnosis should be ‘Cytology’ 5 or ‘Histology of the primary tumour’ (7.1) where the tumour topography is C42.1, the procedure category is S and the only treatment is bone marrow biopsy or bone marrow aspirate.	WC
Procedure Category	Date of treatment should be after the date of incidence, for all treatment categories except Consult (C)	WE
Procedure Category	For managements with procedure category Autopsy, the Treatment Code must be 92194-00 and Procedure Group Id must be 10	EE
Procedure Category	Medical oncology codes are required when Treatment Code is 'Medical Oncology NOS' (M)	EC
Procedure Category	Method of Diagnosis should be 'Marrow' (M) when closing where the only surgical diagnosis is a bone marrow biopsy and the tumour topography is C42.1 (Bone Marrow)	WC
Procedure Category	Procedure category is required field when closing tumour	EC
Procedure Group	For managements with procedure category Autopsy, the Treatment Code must be 92194-00 and Procedure Group Id must be 10	EE
Purpose of Treatment	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE
Purpose of Treatment	Method of Diagnosis should be 'Marrow' (M) when closing where the only surgical diagnosis is a bone marrow biopsy and the tumour topography is C42.1 (Bone Marrow)	WC
Purpose of Treatment	Purpose of Treatment is a required field when closing tumour	EC
Treatment	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE

Treatment	Basis of Diagnosis should be ‘Cytology’ 5 or ‘Histology of the primary tumour’ (7.1) where the tumour topography is C42.1, the procedure category is S and the only treatment is bone marrow biopsy or bone marrow aspirate.	WC
Treatment	For managements with procedure category Autopsy, the Treatment Code must be 92194-00 and Procedure Group Id must be 10	EE
Treatment	Method of Diagnosis should be 'Marrow' (M) when closing where the only surgical diagnosis is a bone marrow biopsy and the tumour topography is C42.1 (Bone Marrow)	WC
Treatment	Treatment is a required field on tumour close	EC
Treatment Site Topography	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE
Treatment Site Topography	Method of Diagnosis should be 'Marrow' (M) when closing where the only surgical diagnosis is a bone marrow biopsy and the tumour topography is C42.1 (Bone Marrow)	WC
Treatment Site Topography	The following management sites and Female sex combinations are not valid: C60, C61, C62 or C63.	EE
Treatment Site Topography	The following management sites and Male sex combinations are not valid: C51, C52, C53, C54, C55, C56, C57 or C58.	EE
Treatment Site Topography	Treatment Site Topography is required field when closing tumour	EC

Tumour

Column Name	Description	Type
Age at Incidence	Age at Incidence required when closing tumour	EC
Basis of Diagnosis	Basis of Diagnosis should be ‘Cytology’ 5 or ‘Histology of the primary tumour’ (7.1) where the tumour topography is C42.1, the procedure category is S and the only treatment is bone marrow biopsy or bone marrow aspirate.	WC
Basis of Diagnosis	Basis/Method of Diagnosis is a required field when closing tumour	EC
Basis of Diagnosis	For Lymphomas (M-9590/3 to M-9723/3), the basis of diagnosis should only be ‘Cytology’ (5) or ‘Histology’ (7*)	WE
Basis of Diagnosis	For Lymphomas (M-9590/3 to M-9723/3), the method of diagnosis should only be 'Cytology' (C), 'Blood/Fluid test (F)', 'Hist primary' (H), 'Hist other' (I) or 'Marrow' (M)	WE
Basis of Diagnosis	Histology Lab Number is set but Basis/Method of Diagnosis is empty	WE
Basis of Diagnosis	Method of Diagnosis should be 'Marrow' (M) when closing where the only surgical diagnosis is a bone marrow biopsy and the tumour topography is C42.1 (Bone Marrow)	WC
Basis of Diagnosis	The site C53* should not have a basis of diagnosis of Cytology	WE
Basis of Diagnosis	The site C53* should not have a method of diagnosis of Cytology	WE
Basis of Diagnosis	The Sites C80.9, C76._ or C26.9 cannot have a Basis of Diagnosis of 7.1 - Histology of a primary tumour	EE
Basis of Diagnosis	The Sites C80.9, C76._ or C26.9 cannot have a Method of Diagnosis of H-Histology	EE
Basis of Diagnosis	Where Basis of Diagnosis is ‘Histology at autopsy’ (7.3), the date of death should not be blank.	WE
Basis of Diagnosis	Where Method of Diagnosis is 'Post Mortem' (P), the date of death should not be blank.	WE

Basis of Diagnosis	Where the Basis of Diagnosis is 'Histology of the primary tumour' (7.1), 'Histology of a metastasis' (7.2), 'Histology at autoposy' (7.3) or 'Cytology' (5), there should not be blank histology details i.e Pathology Lab and Lab Number	WC
Basis of Diagnosis	Where the Method of Diagnosis is 'Blood Film' (B) or 'Blood Fluid' (F) the topography should only be C42* or C77*	WE
Basis of Diagnosis	Where the Method of Diagnosis is 'Hist primary' (H), 'Hist other' (I), 'Cytology' (C) or 'Marrow' (M), there should not be blank histology details i.e Histology Lab Number	WC
Basis of Diagnosis	Where the Method of Diagnosis is 'Tumour Marker' (T), the topography should only be C42*, C77* or C61.9.	WE
Date of Incidence	A tumour cannot be ready for incidence reporting unless other fields are populated.	EE
Date of Incidence	Date Of Incidence is a required field	EE
Date of Incidence	Date Of Incidence must be chronologically equal to or after the date or birth	EE
Date of Incidence	Date Of Incidence must be chronologically equal to or before current date	EE
Date of Incidence	Date Of Incidence must be chronologically equal to or before date of death	EE
Date of Incidence	Date Of Incidence must be greater than or equal to 01/01/1994	EE
Date of Incidence	Date of Metastasis must be a maximum of 6 months prior to the date of incidence, equal to the date of incidence or after the date of incidence	EE
Date of Incidence	Date of Notification must be chronologically equal to or after the date of incidence	EE
Date of Incidence	Date of Recurrence must be chronologically after the date of incidence	EE
Date of Incidence	Date of treatment must be at the earliest 6 months prior to, equal to or after the date of incidence	EE
Date of Incidence	Date of treatment should be after the date of incidence, for all treatment categories except Consult (C)	WE
Date of Incidence	If Date of Metastases are equal to Date of Incidence then at least one of the M staging codes (pathological or clinical) must be 1	EC
Date of Incidence	If the date of metastases is equal to the date of incidence and T is between T1 to T4 or TX then at least one of the M staging codes (Pathological or Clinical) must be 1.	WE
Date of Metastasis	Date of Metastasis is required	EE
Date of Metastasis	Date of Metastasis must be a maximum of 6 months prior to the date of incidence, equal to the date of incidence or after the date of incidence	EE
Date of Metastasis	Date of Metastasis must be chronologically equal to or after the date of birth	EE
Date of Metastasis	Date of Metastasis must be chronologically equal to or before date of death	EE
Date of Metastasis	Date of Metastasis must be chronologically equal to or before the current date	EE
Date of Metastasis	Date of Metastasis must be chronologically greater than or equal to 01/01/1994	EE
Date of Metastasis	If Date of Metastases are equal to Date of Incidence then at least one of the M staging codes (pathological or clinical) must be 1	EC
Date of Metastasis	If the date of metastases is equal to the date of incidence and T is between T1 to T4 or TX then at least one of the M staging codes (Pathological or Clinical) must be 1.	WE
Date of Notification	Date of Notification is required field	EE
Date of Notification	Date of Notification must be chronologically equal to or after the date of birth	EE

Date of Notification	Date of Notification must be chronologically equal to or after the date of incidence	EE
Date of Notification	Date of Notification must be chronologically equal to or before the current date	EE
Date of Recurrence	Date of Recurrence must be chronologically equal to or before the date of death	EE
Date of Recurrence	Date of Recurrence must be chronologically after the date of birth	EE
Date of Recurrence	Date of Recurrence must be chronologically after the date of incidence	EE
Date of Recurrence	Date of Recurrence must be chronologically equal to or before the current date	EE
Date of Recurrence	Date of Recurrence must be greater than 01/01/1994	EE
Date of Tumour Marker	Date of Tumour Marker is required field	EE
Grade	For Lymphomas and Leukaemia's (M-9590/3 to M-9941/3), the grade should be one of 5, 6, 7 or 9.If the grade is 5, 6 or 7 then the morphology code should be a lymphoma or leukaemia	WE
Grade	Grade required when closing	EC
Histology Lab Number	Histology Lab No has max length	EE
Histology Lab Number	Histology Lab No is required on close when Pathology Source of Notification has been added and Pathology Lab has been populated	EC
Histology Lab Number	Histology Lab Number is set but Basis/Method of Diagnosis is empty	WE
Histology Lab Number	Pathology Lab is required on close when Pathology Source of Notification has been added and Histology Lab No has been populated	EC
Histology Lab Number	Where the Basis of Diagnosis is ‘Histology of the primary tumour’ (7.1), ‘Histology of a metastasis’ (7.2), ‘Histology at autoposy’ (7.3) or ‘Cytology’ (5), there should not be blank histology details i.e Pathology Lab and Lab Number	WC
Histology Lab Number	Where the Method of Diagnosis is 'Hist primary' (H), 'Hist other' (I), 'Cytology' (C) or 'Marrow' (M), there should not be blank histology details i.e Histology Lab Number	WC
Histology Lab Number	Where the Pathology Lab or Histology Lab Number are populated, there must be a source of notification 'Pathology' (P) when closing tumour.	EC
Hospital of SON	Hospital is required	EE
Marker Type	Marker Type And Marker Value Must Match	EE
Marker Type	Marker Type is a required field	EE
Marker Type	Marker Type Must Match Tumour Topography	EE
Marker Value	Marker Type And Marker Value Must Match	EE
Marker Value	Marker Value is required field	EE
Metastasis Id	For Hematopoietic and Reticuloendathelial Systems (C42) or Lymph Nodes (C77) there should not be any metastases.	WE
Metastasis Id	With the exception of Lymphomas, at least one metastases is required on tumour close if the Clinical M or Pathological M is set to M1	EC
Metastasis Topography	Metastasis Topography is a required field	EE
Method of Presentation	If the site is C61.* and Method of Presentation is Screening, then Method of Presentation must be set to 'Screening Opportunistic' (C3).	EE

Method of Presentation	Method of Presentation is a required field when closing tumour	EC
Method of Presentation	Where Method of Presentation is Autopsy, the date of death should not be blank.	WE
Morphology Description Id	A tumour cannot be ready for incidence reporting unless other fields are populated.	EE
Morphology Description Id	All staging codes should be set to 9 when certain conditions are met	EE
Morphology Description Id	For Lymphomas (M-9590/3 to M-9723/3), the basis of diagnosis should only be ‘Cytology’ (5) or ‘Histology’ (7*)	WE
Morphology Description Id	For Lymphomas (M-9590/3 to M-9723/3), the method of diagnosis should only be 'Cytology' (C), 'Blood/Fluid test (F)', 'Hist primary' (H), 'Hist other' (I) or 'Marrow' (M)	WE
Morphology Description Id	For Lymphomas and Leukaemia's (M-9590/3 to M-9941/3), the grade should be one of 5, 6, 7 or 9.If the grade is 5, 6 or 7 then the morphology code should be a lymphoma or leukaemia	WE
Morphology Description Id	For sites with a behaviour code of '0' or '1' (with the exception of C67* and some others) all the staging codes should be '9'.	EE
Morphology Description Id	If the site is Bone Marrow (C42.1) then the morphology should be either a Leukaemia (M-9800/3 to M-9989/1) or a Multiple Myeloma (M-9732/3).	WE
Morphology Description Id	Morphology is a required field	EE
Morphology Description Id	Pre ICDO3.2, all staging codes should be set to ‘9’ when the site is C44.* and Morphology is M-8010/2, M-8010/3, M-8051/3, M-8052/3, M-8070/2, M-8070/3, M-8071/3, M-8072/3, M-8074/3, M-8075/3, M-8076/2, M-8076/3, M-8081/2, M-8090/1, M-8090/2, M-8090/3, M-8091/3, M-8092/3, M-8093/3, M-8094/3, M-8095/3 or M-8097/3	WE
Morphology Description Id	When the site is C67* and the behaviour code is ‘1’, the T staging codes should be ‘Ta’ (or ‘a’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Morphology Description Id	Where the behaviour code of a tumour is In-situ (2), then the T staging codes should be ‘Tis’ (or ‘is’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Morphology Description Id	With the exception of Lymphomas, all staging codes should be set to ‘9’ for any of the specific sites:C17.3, C25.4, C26.0, C26.8, C26.9, C30.0, C30.1, C31.2, C31.3, C31.8, C31.9, C33.9, C37.9, C39.0, C39.8, C39.9, C42.0-C42.4, C57.1-C57.4, C57.7-C57.9, C63.0, C63.1, C63.7-C63.9, C69.1, C69.9, C70.0, C70.1, C70.9, C71.*, C72.0-C72.5, C72.8, C72.9, C74.1, C74.9, C75.0-C75.5, C75.8, C75.9, C76.0-C76.5, C76.7, C76.8, C80.9	EE
Pathology Lab	Histology Lab No is required on close when Pathology Source of Notification has been added and Pathology Lab has been populated	EC
Pathology Lab	Pathology Lab is required on close when Pathology Source of Notification has been added and Histology Lab No has been populated	EC
Pathology Lab	Where the Basis of Diagnosis is ‘Histology of the primary tumour’ (7.1), ‘Histology of a metastasis’ (7.2), ‘Histology at autoposy’ (7.3) or ‘Cytology’ (5), there should not be blank histology details i.e Pathology Lab and Lab Number	WC
Pathology Lab	Where the Method of Diagnosis is 'Hist primary' (H), 'Hist other' (I), 'Cytology' (C) or 'Marrow' (M), there should not be blank histology details i.e Histology Lab Number	WC
Pathology Lab	Where the Pathology Lab or Histology Lab Number are populated, there must be a source of notification 'Pathology' (P) when closing tumour.	EC

Pathology Subtext	Morphology comments cannot contain invalid characters	EE
Pathology Subtext	Pathology Subtext has max length	EE
Side	Side should be 'Not Applicable' (N) for certain sites	EE
Side	Side value, other than Not Applicable(N), required when closing tumour, where site is in the following list: C07.*, C08.0, C08.1, C08.9, C09.*, C30.*, C34.0, C34.1, C34.3, C34.8, C34.9, C38.4, C40.0, C40.1, C40.2, C40.3, C41.3, C50.*, C56.*, C57.0, C62.*, C63.0, C63.1, C64.*, C65.*, C66.*, C69.*, C74.*, C75.0, C75.4, C34.2	EC
Side	The Side field cannot have the value Left when tumour site is C34.2	EE
Source Of Notification Id	Date of Death cannot be blank if there is a source of notification of D (Death certificate)	EE
Source Of Notification Id	Histology Lab No is required on close when Pathology Source of Notification has been added and Pathology Lab has been populated	EC
Source Of Notification Id	Pathology Lab is required on close when Pathology Source of Notification has been added and Histology Lab No has been populated	EC
Source Of Notification Id	Source of Notification is required	EE
Source Of Notification Id	Where the Pathology Lab or Histology Lab Number are populated, there must be a source of notification 'Pathology' (P) when closing tumour.	EC
Tumour Status	Adding/editing an incomplete management on a closed tumour will cause the tumour to re-open	WE
Tumour Topography	A tumour cannot be ready for incidence reporting unless other fields are populated.	EE
Tumour Topography	For Hematopoietic and Reticuloendathelial Systems (C42) or Lymph Nodes (C77) there should not be any metastases.	WE
Tumour Topography	For sites with a behaviour code of '0' or '1' (with the exception of C67* and some others) all the staging codes should be '9'.	EE
Tumour Topography	If the site is Bone Marrow (C42.1) then the morphology should be either a Leukaemia (M-9800/3 to M-9989/1) or a Multiple Myeloma (M-9732/3).	WE
Tumour Topography	If the site is C61.* and Method of Presentation is Screening, then Method of Presentation must be set to 'Screening Opportunistic' (C3).	EE
Tumour Topography	Marker Type Must Match Tumour Topography	EE
Tumour Topography	Method of Diagnosis should be 'Marrow' (M) when closing where the only surgical diagnosis is a bone marrow biopsy and the tumour topography is C42.1 (Bone Marrow)	WC
Tumour Topography	Pre ICDO3.2, all staging codes should be set to ‘9’ when the site is C44.* and Morphology is M-8010/2, M-8010/3, M-8051/3, M-8052/3, M-8070/2, M-8070/3, M-8071/3, M-8072/3, M-8074/3, M-8075/3, M-8076/2, M-8076/3, M-8081/2, M-8090/1, M-8090/2, M-8090/3, M-8091/3, M-8092/3, M-8093/3, M-8094/3, M-8095/3 or M-8097/3	WE
Tumour Topography	Side should be 'Not Applicable' (N) for certain sites	EE
Tumour Topography	Side value, other than Not Applicable(N), required when closing tumour, where site is in the following list: C07.*, C08.0, C08.1, C08.9, C09.*, C30.*, C34.0, C34.1, C34.3, C34.8, C34.9, C38.4, C40.0, C40.1, C40.2, C40.3, C41.3, C50.*, C56.*, C57.0, C62.*, C63.0, C63.1, C64.*, C65.*, C66.*, C69.*, C74.*, C75.0, C75.4, C34.2	EC
Tumour Topography	The following tumour sites and Female sex combinations are not valid: C60, C61, C62 or C63.	EE

Tumour Topography	The following tumour sites and Male sex combinations are not valid: C51, C52, C53, C54, C55, C56, C57 or C58.	EE
Tumour Topography	The Side field cannot have the value Left when tumour site is C34.2	EE
Tumour Topography	The site C53* should not have a basis of diagnosis of Cytology	WE
Tumour Topography	The site C53* should not have a method of diagnosis of Cytology	WE
Tumour Topography	The Sites C80.9, C76._ or C26.9 cannot have a Basis of Diagnosis of 7.1 - Histology of a primary tumour	EE
Tumour Topography	The Sites C80.9, C76._ or C26.9 cannot have a Method of Diagnosis of H-Histology	EE
Tumour Topography	Topography is required field	EE
Tumour Topography	When the site is C67* and the behaviour code is ‘1’, the T staging codes should be ‘Ta’ (or ‘a’) and the M and N staging codes should be ‘N0’ and ‘M0’ (or ‘0’)	WC
Tumour Topography	Where Method of Presentation Screening Organised (should only be used for the tumour sites C18*-C20*, C50* or C53*).	WE
Tumour Topography	Where the Method of Diagnosis is 'Blood Film' (B) or 'Blood Fluid' (F) the topography should only be C42* or C77*	WE
Tumour Topography	Where the Method of Diagnosis is 'Tumour Marker' (T), the topography should only be C42*, C77* or C61.9.	WE
Tumour Topography	With the exception of Lymphomas, all staging codes should be set to ‘9’ for any of the specific sites:C17.3, C25.4, C26.0, C26.8, C26.9, C30.0, C30.1, C31.2, C31.3, C31.8, C31.9, C33.9, C37.9, C39.0, C39.8, C39.9, C42.0-C42.4, C57.1-C57.4, C57.7-C57.9, C63.0, C63.1, C63.7-C63.9, C69.1, C69.9, C70.0, C70.1, C70.9, C71.*, C72.0-C72.5, C72.8, C72.9, C74.1, C74.9, C75.0-C75.5, C75.8, C75.9, C76.0-C76.5, C76.7, C76.8, C80.9	EE

APPENDIX 4 ABBREVIATIONS

Column Name	Description
ACHI	Australian Classification of Health Intervention
AJCC	American Joint Committee on Cancer
CDR	Cancer Data Registrar
CRS	Cancer Registration System
CSO	Central Statistics Office
DCO	Death Cert Only
DEPS	Death Event Publishing System
eCDR	Electronic Cancer Data Registrar
ENCR	European Network of Cancer Registries
GDPR	General Data Protection Regulation
HIPE	Hospital In-Patient Enquiry
IARC	International Agency for Research on Cancer
ICD-10-AM	International Classification of Diseases, Tenth Revision, Australian Modification
ICD-9-CM	International Classification of Diseases, Ninth Revision, Clinical Modification
ICD-O	International Classification of Diseases for Oncology
ICD-O-2	The International Classification of Diseases for Oncology, Second Edition
ICD-O-3	The International Classification of Diseases for Oncology, Third Edition
ICD-O-3.1	The International Classification of Diseases for Oncology, Third Edition, First Revision
ICD-O-3.2	The International Classification of Diseases for Oncology, Third Edition, Second Revision
N/A	Not Available
NCRI	National Cancer Registry Ireland
NSS	National Screening Service
PPSN	Personal Public Service Number
SNOMED	Systematized Nomenclature of Medicine
TNM	Tumour, Node, Metastasis (staging)
UICC	Union for International Cancer Controls
WHO	World Health Organisation