Person with cancer—most valid basis of diagnosis of a cancer, code N

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Identifying and definitional attributes

Metadata item type:	Data Element
Short name:	Most valid basis of diagnosis of cancer
METEOR identifier:	270181
Registration status:	Health, Superseded 07/12/2011
Definition:	The most valid basis of diagnosis of cancer, as represented by a code.
Data Element Concept:	Person with cancer—most valid basis of diagnosis of a cancer
Value Domain:	Basis of diagnosis of cancer code N

Value domain attributes

Representational attributes

Representation class:	Code	
Data type:	Number	
Format:	N	
Maximum character length:	1	
	Value	**Meaning**
Permissible values:	0	Death certificate only: Information provided is from a death certificate
	1	Clinical: Diagnosis made before death, but without any of the following (codes 2-7)
	2	Clinical investigation: All diagnostic techniques, including x-ray, endoscopy, imaging, ultrasound, exploratory surgery (e.g. laparotomy), and autopsy, without a tissue diagnosis
	4	Specific tumour markers: Including biochemical and/or immunological markers that are specific for a tumour site
	5	Cytology: Examination of cells from a primary or secondary site, including fluids aspirated by endoscopy or needle; also includes the microscopic examination of peripheral blood and bone marrow aspirates
	6	Histology of metastasis: Histological examination of tissue from a metastasis, including autopsy specimens
	7	Histology of a primary tumour: Histological examination of tissue from primary tumour, however obtained, including all cutting techniques and bone marrow biopsies; also includes autopsy specimens of primary tumour
	8	Histology: either unknown whether of primary or metastatic site, or not otherwise specified
Supplementary values:	9	Unknown.

Collection and usage attributes

Guide for use:	CODES 1 - 4
	Non-microscopic.
	CODES 5 - 8
	Microscopic.
	CODE 9
	Other.
Comments:	In a hospital setting this metadata item should be collected on the most valid basis of diagnosis at this admission. If more than one diagnosis technique is used during an admission, select the higher code from 1 to 8.

Data element attributes

Collection and usage attributes

Guide for use:	The most valid basis of diagnosis may be the initial histological examination of the primary site, or it may be the post-mortem examination (sometimes corrected even at this point when histological results become available). In a cancer registry setting, this metadata item should be revised if later information allows its upgrading.
	When considering the most valid basis of diagnosis, the minimum requirement of a cancer registry is differentiation between neoplasms that are verified microscopically and those that are not. To exclude the latter group means losing valuable information; the making of a morphological (histological) diagnosis is dependent upon a variety of factors, such as age, accessibility of the tumour, availability of medical services, and, last but not least, upon the beliefs of the patient.
	A biopsy of the primary tumour should be distinguished from a biopsy of a metastasis, e.g., at laparotomy; a biopsy of cancer of the head of the pancreas versus a biopsy of a metastasis in the mesentery. However, when insufficient information is available, Code 8 should be used for any histological diagnosis. Cytological and histological diagnoses should be distinguished.
	Morphological confirmation of the clinical diagnosis of malignancy depends on the successful removal of a piece of tissue that is cancerous. Especially when using endoscopic procedures (bronchoscopy, gastroscopy, laparoscopy, etc.), the clinician may miss the tumour with the biopsy forceps. These cases must be registered on the basis of endoscopic diagnosis and not excluded through lack of a morphological diagnosis.
	Care must be taken in the interpretation and subsequent coding of autopsy findings, which may vary as follows:
	a) the post-mortem report includes the post-mortem histological diagnosis (in which case, one of the Histology codes should be recorded instead);
	b) the autopsy is macroscopic only, histological investigations having been carried out only during life (in which case, one of the Histology codes should be recorded instead);
	c) the autopsy findings are not supported by any histological diagnosis.

Source and reference attributes

| **Origin:** | International Agency for Research on Cancer |
| | International Association of Cancer Registries |

Relational attributes

Related metadata references:	Has been superseded by [Person with cancer—most valid basis of diagnosis of a cancer, code N](#)
	[Health](#), Standard 07/12/2011
	Is re-engineered from [📄 Most valid basis of diagnosis of cancer, version 1, DE, NHDD, NHIMG, Superseded 01/03/2005.pdf](#) (47.0 KB)
	No registration status

Implementation in Data Set Specifications:	[Breast cancer (Cancer registries) DSS](#)
	[Health](#), Superseded 01/09/2012
	[Cancer (clinical) DSS](#)
	[Health](#), Superseded 07/12/2005
	DSS specific information: Knowledge of the basis of a diagnosis underlying a cancer code is one of the most important aids in assessing the reliability of cancer statistics.
	[Cancer (clinical) DSS](#)
	[Health](#), Superseded 06/03/2009
	DSS specific information: Knowledge of the basis of a diagnosis underlying a cancer code is one of the most important aids in assessing the reliability of cancer statistics.
	[Cancer (clinical) DSS](#)
	[Health](#), Superseded 22/12/2009
	DSS specific information: Knowledge of the basis of a diagnosis underlying a cancer code is one of the most important aids in assessing the reliability of cancer statistics.
	[Cancer (clinical) DSS](#)
	[Health](#), Superseded 07/12/2011
	DSS specific information: Knowledge of the basis of a diagnosis underlying a cancer code is one of the most important aids in assessing the reliability of cancer statistics.