Person with cancer—lung cancer immunohistochemistry type, code N[N]

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# Person with cancer—lung cancer immunohistochemistry type, code N[N]

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| Identifying and definitional attributes | |
| Metadata item type: | Data Element |
| Short name: | Lung cancer immunohistochemistry |
| METEOR identifier: | 433027 |
| Registration status: | [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 08/05/2014 |
| Definition: | The type of  [**immunohistochemistry**](https://meteor.aihw.gov.au/content/523027) stains used to assist in the identification of abnormal cells and hence the diagnosis of a person with cancer, as represented by a code. |
| Context: | This should be collected for people with cancer where pathology data is available. |
| Data Element Concept: | [Person with cancer—immunohistochemistry type](https://meteor.aihw.gov.au/content/433023) |
| Value Domain: | [Lung cancer immunohistochemistry type code N[N]](https://meteor.aihw.gov.au/content/433010) |

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| Value domain attributes | | |
| Representational attributes | | |
| Representation class: | Code | |
| Data type: | Number | |
| Format: | N[N] | |
| Maximum character length: | 2 | |
|  | **Value** | **Meaning** |
| Permissible values: | 1 | Thyroid transcription factor-1 (TTF-1) |
|  | 2 | Cytokeratin 5 (CK5) |
|  | 3 | Cytokeratin 6 (CK6) |
|  | 4 | Cytokeratin 7 (CK7) |
|  | 5 | Cytokeratin 20 (CK20) |
|  | 6 | p53-related transcription factor p63 (p63) |
|  | 7 | Napsin |
|  | 88 | Other |
| Supplementary values: | 97 | Not applicable-immunohistochemical staining not performed |
|  | 98 | Unknown if imunohistochemistry performed |
|  | 99 | Immunohistochemistry performed but stains not stated/inadequately described |

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| Collection and usage attributes | |
| Guide for use: | Record the code for each immunohistochemical profile obtained to assist in the diagnosis of lung cancer. |
| Comments: | Thyroid transcription factor-1 and cytokeratin 7 and 20 can be useful, in conjunction with tumour morphology and clinical and radiological findings, to help to distinguish between primary and metastatic lung adenocarcinomas.  Cytokeratin 5/6 and p63 immunostaining is used by some pathologists to help to determine whether a tumour is a squamous or non-squamous type.  The majority (about 75%) of primary lung adenocarcinomas are CK7 positive, CK20 negative and TTF-1 positive and Napsin stains are positive in approximately 80% of of primary lung adenocarcinomas. |

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| Source and reference attributes | |
| Submitting organisation: | Cancer Australia |
| Reference documents: | Royal College of Pathologists of Australasia 2010. Lung cancer structured reporting protocol. 1st Edition (Version 1.0). Surry Hills, NSW: Royal College of Pathologists of Australasia |

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| Data element attributes | |
| Collection and usage attributes | |
| Guide for use: | Record each [**immunohistochemical**](https://meteor.aihw.gov.au/content/523027) profile obtained to assist in the diagnosis of cancer.  When "other" is recorded, record the immunohistochemistry stain in text in  [Person with cancer—immunohistochemistry type, text X[49].](https://meteor.aihw.gov.au/content/447300) |
| Collection methods: | This information should be sought from the patient's medical record and may be included as a supplementary report in the original pathology report, or a stand-alone pathology report if a different laboratory performs the test. |
| Comments: | Immunohistochemistry may be helpful in some instances for precise histological subclassification of the tumour and the exclusion of metastasis. |
| Source and reference attributes | |
| Submitting organisation: | Cancer Australia |
| Relational attributes | |
| Related metadata references: | See also [Person with cancer—immunohistochemistry type, text X[X(49)]](https://meteor.aihw.gov.au/content/447300)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 08/05/2014 |
| Implementation in Data Set Specifications: | [Lung cancer (clinical) DSS](https://meteor.aihw.gov.au/content/430950)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 14/05/2015  ***Conditional obligation:*** Conditional on immunohistochemistry testing being completed.  [Lung cancer (clinical) NBPDS](https://meteor.aihw.gov.au/content/599613)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 14/05/2015  ***Conditional obligation:***  Conditional on immunohistochemistry testing being completed. |