

Person with cancer—lung cancer molecular pathology test results, code N[N]

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Person with cancer—lung cancer molecular pathology test results, code N[N]

Identifying and definitional attributes

Metadata item type:	Data Element
Short name:	Molecular test results (lung cancer)
Synonymous names:	Molecular pathology results
METEOR identifier:	434682
Registration status:	Health , Standard 08/05/2014
Definition:	The results of a molecular pathology test for genetic and molecular abnormalities in a person with cancer, as represented by a code.
Data Element Concept:	Person with cancer—molecular pathology test results
Value Domain:	Lung cancer molecular pathology test results code N[N]

Value domain attributes

Representational attributes

Representation class:	Code
Data type:	Number
Format:	N[N]
Maximum character length:	2

	Value	Meaning
Permissible values:	1	APC - adenomatous polyposis coli
	2	ATM - ataxia telangiectasia mutated
	3	EGFR - epidermal growth factor receptor
	4	ERBB4 - v-erb-a erythroblastic leukaemia viral oncogene homolog 4
	5	ERCC1 - excision repair cross-complementing rodent repair deficiency, complementation group 1
	6	KDR - kinase insert domain receptor
	7	KRAS - v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
	8	NF1 - neurofibromin 1
	9	PTEN - phosphatase and tensin homolog
	10	RB1 - retinoblastoma 1
	11	RRM1 - ribonucleotide reductase M1
	12	STK11 - serine/threonine kinase 11
	13	TYMS - thymidylate synthetase
	14	P53 - tumour protein p53
	15	ERBB2 - v-erb-a erythroblastic leukaemia viral oncogene homolog 2
	16	EML4-ALK - echinoderm microtubule-associated protein-like 4 – anaplastic lymphoma kinase
	17	B-RAF - v-Raf murine sarcoma viral oncogene homolog B1

	18	ROS - C-Ros Oncogene 1, Receptor Tyrosine Kinase
	19	MET - Met Proto-Oncogene (Hepatocyte Growth Factor Receptor)
	88	Other
Supplementary values:	97	Not applicable-no abnormalities detected
	98	Unknown whether abnormalities detected
	99	Abnormalities detected but type not stated/inadequately described

Collection and usage attributes

Guide for use: Each code represents a HUGO Gene Nomenclature Committee (HGNC) assigned unique gene symbol. The full name, location and additional information about each gene can be obtained from their online database at www.genenames.org.

Record the code for each genetic or molecular abnormality detected.

Molecular pathology testing is usually performed for non-small cell lung cancer (NSCLC) and when the result may influence treatment.

Source and reference attributes

Submitting organisation: Cancer Australia

Reference documents: Harris TJR & McCormick F 2010. The molecular pathology of cancer. Nat. Rev. Clin. Oncol. 7:251-265

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

HGNC Database, HUGO Gene Nomenclature Committee (HGNC), EMBL Outstation - Hinxton, European Bioinformatics Institute, Wellcome Trust Genome Campus, Hinxton, Cambridgeshire, CB10 1SD, UK. Viewed 21 June 2011, <http://www.genenames.org>

Data element attributes

Collection and usage attributes

Guide for use: Record the results of a [molecular pathology](#) test for genetic and molecular abnormalities in a person with cancer.

This item should be completed when the data element [Molecular pathology indicator](#) is coded as 1, denoting that molecular testing has been performed.

Molecular testing is usually performed when the result may influence treatment. For example, somatic mutations in the EGFR gene are associated with favourable outcomes from treatment with gefitinib.

Collection methods: This information should be sought from the patient's pathology report.

Comments: The presence of genetic or molecular abnormalities may be of clinical significance and influence treatment decisions.

Source and reference attributes

Submitting organisation: Cancer Australia

Reference documents: Harris TJR & McCormick F 2010. The molecular pathology of cancer. Nat. Rev. Clin. Oncol. 7:251-265

Relational attributes

Related metadata references:

See also [Person with cancer—molecular pathology indicator, yes/no/unknown code N](#)
[Health](#), Standard 08/05/2014

See also [Person with cancer—molecular pathology test date, DDMMYYYY](#)
[Health](#), Standard 08/05/2014

See also [Person with cancer—molecular pathology test results, \(other\) code X\[X\(19\)\]](#)
[Health](#), Standard 08/05/2014

Implementation in Data Set Specifications:

[Lung cancer \(clinical\) DSS](#)
[Health](#), Superseded 14/05/2015

Conditional obligation: Conditional on molecular profiling being performed for cancer.

[Lung cancer \(clinical\) NBPDS](#)
[Health](#), Standard 14/05/2015

Conditional obligation:

Conditional on molecular profiling being performed for cancer.