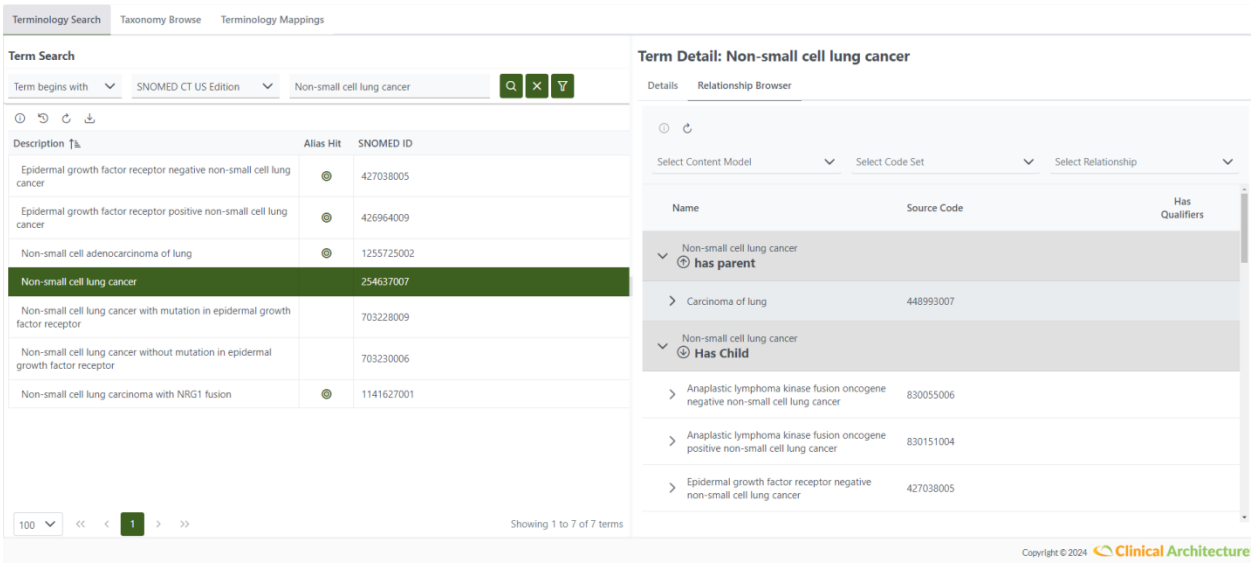
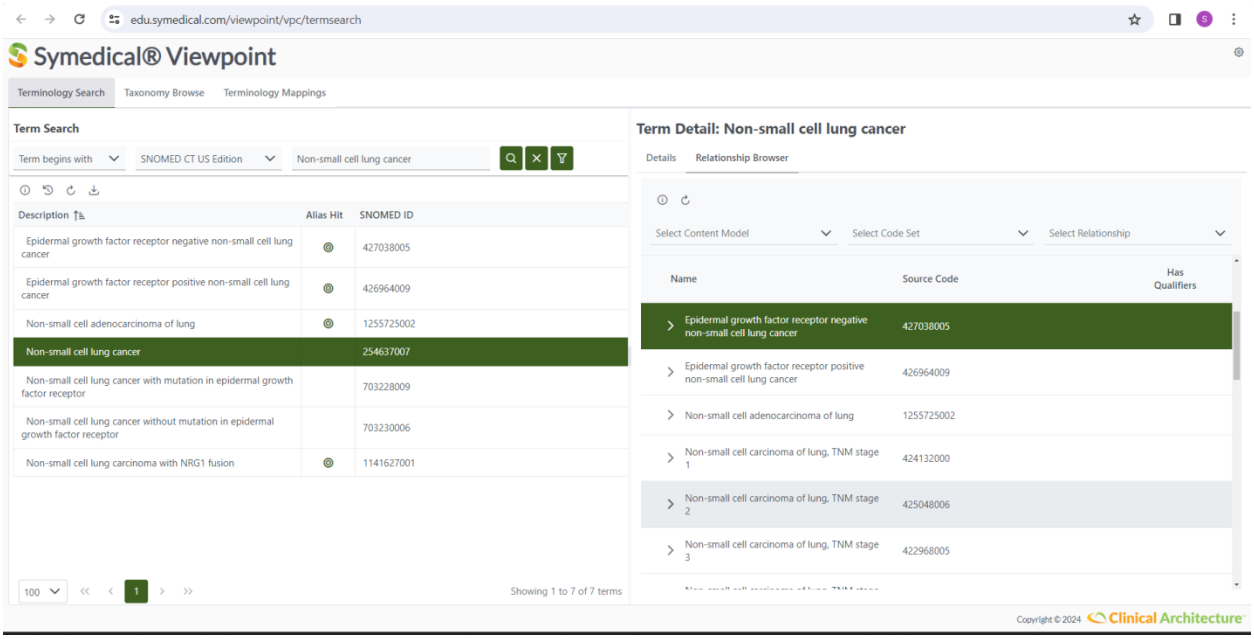
Assignment AL4: Precision Medicine Exploration

PART A

a.





Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		254637007
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
Non-small cell carcinoma of lung, TNM stage 4	423121009	
Non-small cell lung cancer with mutation in epidermal growth factor receptor	703228009	
Non-small cell lung cancer without mutation in epidermal growth factor receptor	703230006	
Non-small cell lung carcinoma with NRG1 fusion	1141627001	
Nonsquamous nonsmall cell neoplasm of lung	440173001	
Primary non-small cell lung cancer	1259727001	
Reactive oxygen species 1 negative non-small		

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		254637007
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
Reactive oxygen species 1 negative non-small cell lung cancer	830060005	
Reactive oxygen species 1 positive non-small cell lung cancer	722425009	
Squamous non-small cell lung cancer	723301009	
Non-small cell lung cancer **is a member of**		
General Practice / Family Practice reference set	450970008	
Global Patient Set	787778008	

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		254637007
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
International Patient Summary	816080008	
Non-small cell lung cancer **SCT Associated morphology**		
Non-small cell carcinoma	128632008	☑
Non-small cell lung cancer **SCT Finding site**		
Lung structure	39607008	☑
Non-small cell lung cancer **SCT is associated finding**		

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		254637007
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
Lung structure	39607008	☑
Non-small cell lung cancer **SCT is associated finding**		
History of bilateral lung non-small cell carcinoma	16848221000119100	☑
History of non-small cell malignant neoplasm of lung	429226001	☑
History of primary non-small cell carcinoma of left lung	16848181000119108	☑
History of primary non-small cell carcinoma of right lung	16848141000119103	☑

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		**254637007**
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Aliases (3)

Alias	Code	Type	Language
Non-small cell lung cancer (disorder)	645558018	Fully Specified Name	English-US

Attributes for Non-small cell lung cancer (disorder)

Name	Value	Code
Is Preferred	1	
Module	SNOMED CT core	

Showing 2 alias attributes

NSCLC - Non-small cell lung cancer	379196015	Alternate	English-US
Non-small cell lung cancer	379195016	Alternate	English-US

Showing 3 aliases

Attributes (7)

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		**254637007**
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Attributes (7)

Name	Value	Code
Active	1	
Code System OID	2.16.840.1.113883.6.96	
Code System URL	http://snomed.info/sct	
DefinitionStatus	900000000000073002	
Module	SNOMED CT core	
ModuleID	900000000000207008	
SemanticTag	disorder	

Mappings (2)

Code Set	Concept	Code	Retired	Target
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		**254637007**
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Module	SNOMED CT core
ModuleID	900000000000207008
SemanticTag	disorder

Mappings (2)

Code Set	Concept	Code	Retired	Target
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓

Showing 2 mapping targets

External Codes (2)

Code	Code Type
4115276	**OMOP**
C0007131	**UMLSCUI**

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		**254637007**
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

NSCLC - Non-small cell lung cancer	379196015	Alternate	English-US

Attributes for NSCLC - Non-small cell lung cancer

Name	Value	Code
Is Preferred	0	
Module	SNOMED CT core	

Showing 2 alias attributes

Non-small cell lung cancer	379195016	Alternate	English-US

Showing 3 aliases

Attributes (7)

Additional information associated with the term

Name	Value	Code
Active	1	
Code System OID	2.16.840.1.113883.6.96	
Code System URL	http://snomed.info/sct	

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		**254637007**
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | « ‹ 1 › » | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Name	Value	Code
Active	1	
Code System OID	2.16.840.1.113883.6.96	
Code System URL	http://snomed.info/sct	
DefinitionStatus	900000000000073002	
Module	SNOMED CT core	
ModuleID	900000000000207008	
SemanticTag	disorder	

Mappings (2)

Code Set	Concept	Code	Retired	Target
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓

Showing 2 mapping targets

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		**254637007**
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | « ‹ 1 › » | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Module	SNOMED CT core
ModuleID	900000000000207008
SemanticTag	disorder

Mappings (2)

Code Set	Concept	Code	Retired	Target
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓

Showing 2 mapping targets

External Codes (2)

Code	Code Type
4115276	OMOP
C0007131	UMLSCUI

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		**254637007**
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Non-small cell lung cancer 379195016 Alternate English-US

Attributes for Non-small cell lung cancer

Name	Value	Code
Is Preferred	1	
Module	SNOMED CT core	

Showing 2 alias attributes

Showing 3 aliases

Attributes (7)

Additional information associated with the term

Name	Value	Code
Active	1	
Code System OID	2.16.840.1.113883.6.96	
Code System URL	http://snomed.info/sct	
DefinitionStatus	900000000000073002	

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		**254637007**
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Name	Value	Code
Active	1	
Code System OID	2.16.840.1.113883.6.96	
Code System URL	http://snomed.info/sct	
DefinitionStatus	900000000000073002	
Module	SNOMED CT core	
ModuleID	900000000000207008	
SemanticTag	disorder	

Mappings (2)

Code Set	Concept	Code	Retired	Target
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓

Showing 2 mapping targets

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | SNOMED CT US Edition | Non-small cell lung cancer

Description	Alias Hit	SNOMED ID
Epidermal growth factor receptor negative non-small cell lung cancer	◎	427038005
Epidermal growth factor receptor positive non-small cell lung cancer	◎	426964009
Non-small cell adenocarcinoma of lung	◎	1255725002
Non-small cell lung cancer		254637007
Non-small cell lung cancer with mutation in epidermal growth factor receptor		703228009
Non-small cell lung cancer without mutation in epidermal growth factor receptor		703230006
Non-small cell lung carcinoma with NRG1 fusion	◎	1141627001

100 | 1 | Showing 1 to 7 of 7 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Module	SNOMED CT core
ModuleID	900000000000207008
SemanticTag	disorder

Mappings (2)

Code Set	Concept	Code	Retired	Target
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓
ICD-10-CM	Malignant neoplasm of unspecified part of unspecified bronchus or lung	C34.90		✓

Showing 2 mapping targets

External Codes (2)

Code	Code Type
4115276	**OMOP**
C0007131	**UMLSCUI**

Copyright © 2024 Clinical Architecture

b.

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | NCBI - MedGen | Non-small cell lung cancer

Term	Alias Hit	Code
Non-small cell lung cancer		C0007131
Non-Small Cell Lung Cancer mRNA-Derived Vaccine CV9201		C2827548
Non-small cell lung cancer with mutation in epidermal growth factor receptor		C3840002
Non-small cell lung cancer without mutation in epidermal growth factor receptor		C3838845

100 | 1 | Showing 1 to 4 of 4 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Aliases (0)

Attributes (1)

Name	Value	Code
source	GTR	

Mappings (0)

Code Set	Concept	Code	Retired	Target

Showing 0 mapping targets

External Codes (1)

Code	Code Type
254637007	**SCT-ConceptID**

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | NCBI - MedGen | Non-small cell lung cancer

Term	Alias Hit	Code
Non-small cell lung cancer		C0007131
Non-Small Cell Lung Cancer mRNA-Derived Vaccine CV9201		C2827548
Non-small cell lung cancer with mutation in epidermal growth factor receptor		C3840002
Non-small cell lung cancer without mutation in epidermal growth factor receptor		C3838845

100 | 1 | Showing 1 to 4 of 4 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
NM_001374258.1(BRAF):c.1862A>G (p.Asn621Ser)	174177	
NM_001374258.1(BRAF):c.1900G>A (p.Asp634Asn)	53980	
NM_001374258.1(BRAF):c.1901A>G (p.Asp634Gly)	29011	
NM_001374258.1(BRAF):c.1914_1916dup (p.Thr639dup)	176758	
NM_001374258.1(BRAF):c.1918G>A (p.Val640Met)	53982	
NM_001374258.1(BRAF):c.1918G>T (p.Val640Leu)	53983	

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | NCBI - MedGen | Non-small cell lung cancer

Term	Alias Hit	Code
Non-small cell lung cancer		C0007131
Non-Small Cell Lung Cancer mRNA-Derived Vaccine CV9201		C2827548
Non-small cell lung cancer with mutation in epidermal growth factor receptor		C3840002
Non-small cell lung cancer without mutation in epidermal growth factor receptor		C3838845

100 | 1 | Showing 1 to 4 of 4 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
NM_001374258.1(BRAF):c.1919_1921del (p.Val640_Lys641delinsGlu)	53984	
NM_001374258.1(BRAF):c.1921A>G (p.Lys641Glu)	29005	
NM_002524.5(NRAS):c.182A>G (p.Gln61Arg)	28939	
NM_004448.4(ERBB2):c.2313_2324dup (p.Tyr772_Ala775dup)	28914	
NM_004448.4(ERBB2):c.2314_2325dup (p.Tyr772_Ala775dup)	54152	
NM_004448.4(ERBB2):c.2320del (p.Met774fs)	54153	
NM_004448.4(ERBB2):c.2324_2325insCTCCGTGA1	176493	

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | NCBI - MedGen | Non-small cell lung cancer

Term	Alias Hit	Code
Non-small cell lung cancer		C0007131
Non-Small Cell Lung Cancer mRNA-Derived Vaccine CV9201		C2827548
Non-small cell lung cancer with mutation in epidermal growth factor receptor		C3840002
Non-small cell lung cancer without mutation in epidermal growth factor receptor		C3838845

100 | 1 | Showing 1 to 4 of 4 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
NM_004448.4(ERBB2):c.2324_2325insCTCCGTGAT (p.Gly776_Val777insSerValMetAla)	176493	
NM_004448.4(ERBB2):c.2325_2326insTCCGTGATC (p.Gly776_Val777insSerValMetAla)	176631	
NM_004448.4(ERBB2):c.2326_2327insTGT (p.Gly776delinsValCys)	54155	
NM_004448.4(ERBB2):c.2326_2327insTTT (p.Gly776delinsValCys)	54156	
NM_004448.4(ERBB2):c.2326delinsTTAT (p.Gly776delinsLeuCys)	54157	
NM_004448.4(ERBB2):c.2331_2339dup (p.Gly778_Pro780dup)	54159	
NM_004448.4(ERBB2):c.2332_2340dup	54160	

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | NCBI - MedGen | Non-small cell lung cancer

Term	Alias Hit	Code
Non-small cell lung cancer		C0007131
Non-Small Cell Lung Cancer mRNA-Derived Vaccine CV9201		C2827548
Non-small cell lung cancer with mutation in epidermal growth factor receptor		C3840002
Non-small cell lung cancer without mutation in epidermal growth factor receptor		C3838845

100 | 1 | Showing 1 to 4 of 4 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
NM_004448.4(ERBB2):c.2332_2340dup (p.Gly778_Pro780dup)	54160	
NM_004985.5(KRAS):c.181C>A (p.Gln61Lys)	175715	
NM_004985.5(KRAS):c.182A>T (p.Gln61Leu)	54283	
NM_004985.5(KRAS):c.34G>A (p.Gly12Ser)	27623	
NM_004985.5(KRAS):c.37G>C (p.Gly13Arg)	27632	
NM_004985.5(KRAS):c.37G>T (p.Gly13Cys)	54290	
NM_004985.5(KRAS):c.38G>A (p.Gly13Asp)	27619	

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | NCBI - MedGen | Non-small cell lung cancer

Term	Alias Hit	Code
Non-small cell lung cancer		C0007131
Non-Small Cell Lung Cancer mRNA-Derived Vaccine CV9201		C2827548
Non-small cell lung cancer with mutation in epidermal growth factor receptor		C3840002
Non-small cell lung cancer without mutation in epidermal growth factor receptor		C3838845

100 | 1 | Showing 1 to 4 of 4 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
NM_004448.4(ERBB2):c.2332_2340dup (p.Gly778_Pro780dup)	54160	
NM_004985.5(KRAS):c.181C>A (p.Gln61Lys)	175715	
NM_004985.5(KRAS):c.182A>T (p.Gln61Leu)	54283	
NM_004985.5(KRAS):c.34G>A (p.Gly12Ser)	27623	
NM_004985.5(KRAS):c.37G>C (p.Gly13Arg)	27632	
NM_004985.5(KRAS):c.37G>T (p.Gly13Cys)	54290	
NM_004985.5(KRAS):c.38G>A (p.Gly13Asp)	27619	

Copyright © 2024 Clinical Architecture

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | NCBI - MedGen | Non-small cell lung cancer

Term	Alias Hit	Code
Non-small cell lung cancer		C0007131
Non-Small Cell Lung Cancer mRNA-Derived Vaccine CV9201		C2827548
Non-small cell lung cancer with mutation in epidermal growth factor receptor		C3840002
Non-small cell lung cancer without mutation in epidermal growth factor receptor		C3838845

100 | 1 | Showing 1 to 4 of 4 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
NM_004985.5(KRAS):c.38G>T (p.Gly13Val)	54291	
NM_004985.5(KRAS):c.39C>A (p.Gly13=)	175857	
NM_004985.5(KRAS):c.39C>T (p.Gly13=)	54292	
NM_005228.5(EGFR):c.2127_2129del (p.Glu709_Thr710delinsAsp)	54387	
NM_005228.5(EGFR):c.2156G>C (p.Gly719Ala)	54392	
NM_005228.5(EGFR):c.2284-5_2290dup	54415	
NM_005228.5(EGFR):c.2303_2304delinsTT (p.Ser768Ile)	54419	

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | NCBI - MedGen | Non-small cell lung cancer

Term	Alias Hit	Code
Non-small cell lung cancer		C0007131
Non-Small Cell Lung Cancer mRNA-Derived Vaccine CV9201		C2827548
Non-small cell lung cancer with mutation in epidermal growth factor receptor		C3840002
Non-small cell lung cancer without mutation in epidermal growth factor receptor		C3838845

100 | 1 | Showing 1 to 4 of 4 terms

Term Detail: Non-small cell lung cancer

Details | Relationship Browser

Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
NM_005228.5(EGFR):c.2303_2304delinsTT (p.Ser768Ile)	54419	
NM_005228.5(EGFR):c.2303G>T (p.Ser768Ile)	54418	
NM_005228.5(EGFR):c.2312_2314dup (p.Pro772_His773insHis)	54425	
NM_005228.5(EGFR):c.2315_2320dup (p.Val774_Cys775insAlaHis)	54427	
NM_005228.5(EGFR):c.2500G>T (p.Val834Leu)	54446	
NM_006218.4(PIK3CA):c.1359_1373del (p.Glu453_Pro458delinsAsp)	54632	
NM_006218.4(PIK3CA):c.3073A>G	54634	

Copyright © 2024 Clinical Architecture

edu.symedical.com/viewpoint/vpc/termsearch

Symedical® Viewpoint

Terminology Search | Taxonomy Browse | Terminology Mappings

Term Search

Term begins with | NCBI - MedGen | Non-small cell lung cancer

Term	Alias Hit	Code
Non-small cell lung cancer		C0007131
Non-Small Cell Lung Cancer mRNA-Derived Vaccine CV9201		C2827548
Non-small cell lung cancer with mutation in epidermal growth factor receptor		C3840002
Non-small cell lung cancer without mutation in epidermal growth factor receptor		C3838845

100 | 1 | Showing 1 to 4 of 4 terms

Term Detail: Non-small cell lung cancer

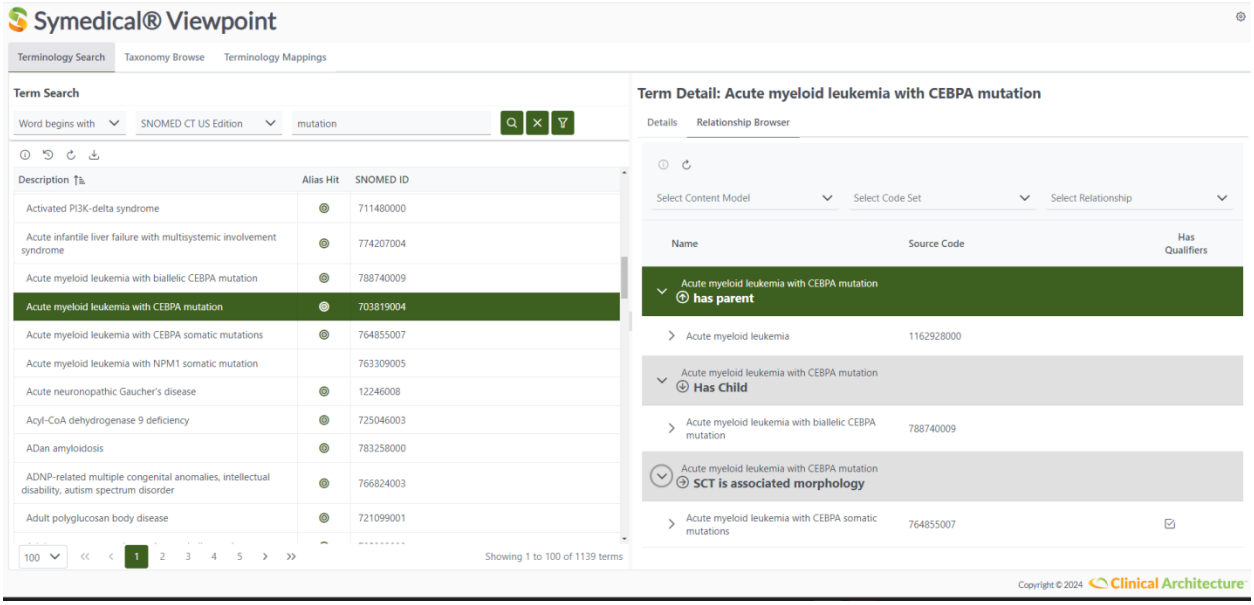
Details | Relationship Browser

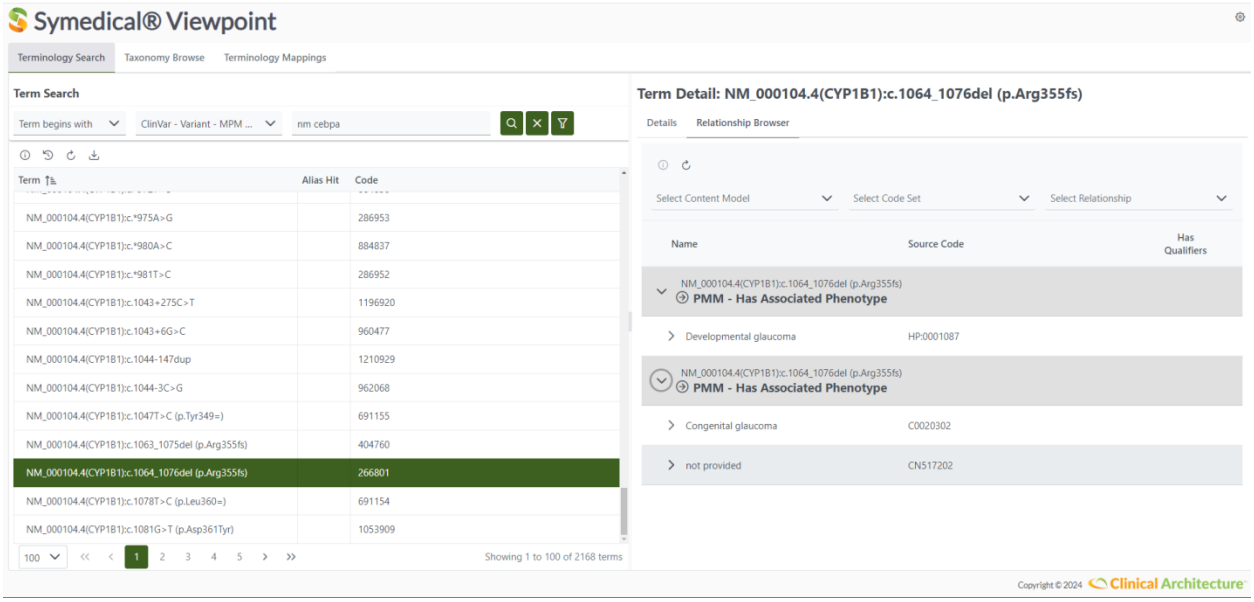
Select Content Model | Select Code Set | Select Relationship

Name	Source Code	Has Qualifiers
NM_005228.5(EGFR):c.2315_2320dup (p.Val774_Cys775insAlaHis)	54427	
NM_005228.5(EGFR):c.2500G>T (p.Val834Leu)	54446	
NM_006218.4(PIK3CA):c.1359_1373del (p.Glu453_Pro458delinsAsp)	54632	
NM_006218.4(PIK3CA):c.3073A>G (p.Thr1025Ala)	54634	
NM_006218.4(PIK3CA):c.3129G>A (p.Met1043Ile)	173901	
NM_006218.4(PIK3CA):c.3139C>T (p.His1047Tyr)	48304	

Copyright © 2024 Clinical Architecture

PART B





PART C

C2a.

SNOMED CT, a standardized clinical terminology, offers a broad vocabulary for recording detailed medical data across various contexts, including disease diagnosis, treatment procedures, and patient outcomes (Chang & Mostafa, 2021). Its comprehensive structure allows for precise clinical documentation and interoperability across health systems (Chang & Mostafa, 2021).

On the other hand, NCBI – MedGen focuses on genetic disorders, providing in-depth information about phenotypes, inheritance patterns, and the genetic underpinnings of diseases

(NCBI, n.d.). It links to genetic databases and literature, facilitating research and clinical understanding of genetic conditions ((MedGen Help Documentation, n.d.)

b. The overlap between these two systems enhances patient care by integrating detailed clinical descriptions with genetic insights. This integration supports personalized medicine, allowing for targeted treatments based on a patient's specific clinical presentation and genetic profile(Chang & Mostafa, 2021). However, gaps in this integration could limit the effectiveness of such personalized approaches, underscoring the importance of ongoing efforts to link clinical and genetic data more closely.

C4a.

SNOMED CT functions as a standardized framework for documenting and reporting clinical healthcare information. It encompasses a vast range of medical terms, encompassing diagnoses, procedures, medications, allergies, and outcomes. This comprehensive structure facilitates communication and data sharing across diverse healthcare settings, ensuring detailed and accurate representation of patient data (SNOMED International, n.d.).

On the other hand, ClinVar focuses specifically on the genetic aspect of healthcare, cataloging information about genomic variation and its impact on human health (Landrum et al., 2015). It includes detailed annotations and interpretations of genetic variants, offering valuable insights into their relevance to various diseases. This information is crucial for geneticists, researchers, and clinicians in diagnosing genetic conditions, understanding variant pathogenicity, and guiding treatment decisions informed by genetic data (Landrum et al., 2015).

b.The relationship data in ClinVar plays a significant role in personalized medicine for individuals with genetic variants. It provides essential information for diagnosis, prognostic assessments, and identifying potential therapeutic options (Landrum et al., 2015). However, the absence of clear, annotated relationships or interpretations for some variants creates uncertainties in clinical decision-making processes. This underscores the importance of comprehensive genetic data analysis for advancing personalized medicine.

References

Home | SNOMED International. (n.d.). SNOMED International. https://www.snomed.org/

Landrum, M., Lee, J. M., Benson, M. J., Brown, G., Chen, C., Chitipiralla, S., Gu, B., Hart, J., Hoffman, D., Hoover, J. P., Jang, W., Katz, K. S., Ovetsky, M., Riley, G. F., Sethi, A., Tully, R., Villamarín-Salomón, R., Rubinstein, W. S., & Maglott, D. (2015). ClinVar: public archive of interpretations of clinically relevant variants. *Nucleic Acids Research*, *44*(D1), D862–D868. https://doi.org/10.1093/nar/gkv1222

Chang, E., & Mostafa, J. (2021). The use of SNOMED CT, 2013-2020: A literature review. *Journal of the American Medical Informatics Association*: *JAMIA, 28*(9), 2017–2026. https://doi.org/10.1093/jamia/ocab084

MedGen Help Documentation. (n.d.). https://www.ncbi.nlm.nih.gov/medgen/docs/help/