

Package: codigo (via r-universe)

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Type Package

Title Interface to the International Classification of Diseases (ICD) API

Version 0.0.0.9005

Description The International Classification of Diseases (ICD) serves a broad range of uses globally and provides critical knowledge on the extent, causes and consequences of human disease and death worldwide via data that is reported and coded with the ICD. ICD API allows programmatic access to the ICD. It is an HTTP based REST API. This package provides functions that interface with the ICD API.

License GPL (>= 3)

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eleven_map_to_one_ten	<i>ICD 11 code or categories mapped to one ICD 10 category</i>
-----------------------	--

Description

ICD 11 code or categories mapped to one ICD 10 category

Usage

eleven_map_to_one_ten

Format

A data.frame with 17908 rows and 7 columns:

Variable	Description
<i>icd11_linearization_uri</i>	ICD 11 linearization URI
<i>icd11_code</i>	ICD 11 code
<i>icd11_chapter</i>	ICD 11 chapter
<i>icd11_title</i>	ICD 11 title
<i>icd10_code</i>	ICD 10 code (for class chapter) or block of codes (for class block)
<i>icd10_chapter</i>	ICD 10 chapter

icd10_title ICD 10 class or kind: either category or code

Source

<https://icdcdn.who.int/static/releasefiles/2024-01/mapping.zip>

Examples

eleven_map_to_one_ten

icd_10_get_releases	<i>Get available ICD-10 releases</i>
---------------------	--------------------------------------

Description

Get available ICD-10 releases

Usage

```
icd_10_get_releases(  
  api_version = c("v2", "v1"),  
  base_url = "https://id.who.int",  
  client = icd_oauth_client(),  
  scope = "icdapi_access",  
  timeout = 30,  
  max_tries = 3  
)  
  
icd_10_get_chapters(  
  release = NULL,  
  api_version = c("v2", "v1"),  
  language = "en",  
  verbose = TRUE,  
  base_url = "https://id.who.int",  
  client = icd_oauth_client(),  
  scope = "icdapi_access",  
  timeout = 30,  
  max_tries = 3  
)  
  
icd_10_get_release_by_category(  
  category,  
  api_version = c("v2", "v1"),  
  base_url = "https://id.who.int",  
  client = icd_oauth_client(),
```

```

    scope = "icdapi_access",
    timeout = 30,
    max_tries = 3
)

icd_10_get_info(
  category,
  release = NULL,
  api_version = c("v2", "v1"),
  language = "en",
  verbose = TRUE,
  base_url = "https://id.who.int",
  client = icd_oauth_client(),
  scope = "icdapi_access",
  timeout = 30,
  max_tries = 3
)

```

Arguments

<code>api_version</code>	Version of the API. Possible values are v1 or v2. Default is v2.
<code>base_url</code>	The base URL of the API. Default uses the WHO API server at https://id.who.int .
<code>client</code>	The OAuth2 client produced through a call to <code>icd_oauth_client()</code> .
<code>scope</code>	Scopes to be requested from the resource owner. Default is <i>"icdapi_access"</i> as specified in the ICD API documentation.
<code>timeout</code>	The maximum time to wait for a response from the API server in seconds. Default is 30 seconds.
<code>max_tries</code>	Maximum number of times to retry a request if it fails with a transient error (e.g. 429, 500, 503). Default is 3.
<code>release</code>	A string specifying the release version to search from. If not specified, defaults to the latest available release version. See the available versions for each ICD classification with <code>icd_versions</code> .
<code>language</code>	ICD-API is multi-lingual. Language codes such as "en", "es", "zh", etc. Default is English ("en").
<code>verbose</code>	Logical. Should non-warning and non-error messages be printed? Default is TRUE.
<code>category</code>	ICD-10 category code or for blocks, the code range.

Value

A list with information on specified ICD 10 parameters

Examples

```

icd_10_get_releases()
icd_10_get_chapters()
icd_10_get_release_by_category(category = "A00")

```

```
icd_10_get_release_by_category(category = "A00-A09")
icd_10_get_info(category = "A00")
icd_10_get_info(category = "A00-A09")
```

icd_autocode_foundation

Autocode against the foundation component or linearizations of the ICD-11

Description

Autocode against the foundation component or linearizations of the ICD-11

Usage

```
icd_autocode_foundation(
  q,
  subtree = NULL,
  release = NULL,
  threshold = NULL,
  api_version = c("v2", "v1"),
  language = "en",
  tabular = TRUE,
  verbose = TRUE,
  base_url = "https://id.who.int",
  client = icd_oauth_client(),
  scope = "icdapi_access",
  timeout = 30,
  max_tries = 3
)

icd_autocode(
  q,
  linearization = c("mms", "icf"),
  subtree = NULL,
  release = NULL,
  threshold = NULL,
  api_version = c("v2", "v1"),
  language = "en",
  tabular = TRUE,
  verbose = TRUE,
  base_url = "https://id.who.int",
  client = icd_oauth_client(),
  scope = "icdapi_access",
  timeout = 30,
  max_tries = 3
)
```

Arguments

q	String. Text to be searched. Having the character % at the end will be regarded as a wild card for that word.
subtree	A string or vector of strings of URIs. If provided, the search will be performed on the entities provided and their descendants.
release	A string specifying the release version to search from. If not specified, defaults to the latest available release version. See the available versions for each ICD classification with <code>icd_versions</code> .
threshold	A numeric value between 0 and 1 that indicates the similarity between the input text and the matched term. <code>threshold</code> is the minimum score to be included in the output. Default is NULL to use default value specified by API.
api_version	Version of the API. Possible values are v1 or v2. Default is v2.
language	ICD-API is multi-lingual. Language codes such as "en", "es", "zh", etc. Default is English ("en").
tabular	Logical. Should output be structured into a tibble? Default is TRUE.
verbose	Logical. Should non-warning and non-error messages be printed? Default is TRUE.
base_url	The base URL of the API. Default uses the WHO API server at https://id.who.int .
client	The OAuth2 client produced through a call to <code>icd_oauth_client()</code> .
scope	Scopes to be requested from the resource owner. Default is " <i>icdapi_access</i> " as specified in the ICD API documentation.
timeout	The maximum time to wait for a response from the API server in seconds. Default is 30 seconds.
max_tries	Maximum number of times to retry a request if it fails with a transient error (e.g. 429, 500, 503). Default is 3.
linearization	A character value for which linearization to search. Currently, the possible values are " <i>mms</i> " and " <i>icf</i> ". Default is " <i>mms</i> ".

Value

A tibble of autocode results showing the search text, the matching text, the code, URIs for the foundation and linearization entities, the matching level, the matching score, and the matching type.

Examples

```
icd_autocode_foundation("cholera")
icd_autocode(q = "cholera")
icd_autocode(q = "impairment", linearization = "icf")
```

icd_check_release	<i>Checks for specified parameters supplied to search, autocode, and get functions</i>
-------------------	--

Description

Checks for specified parameters supplied to search, autocode, and get functions

Usage

```
icd_check_release(release, icd = c("icd11", "icd10"), verbose = TRUE)

icd_check_language(
  release = NULL,
  linearization = c("mms", "icf"),
  language,
  icd = c("icd11", "icd10"),
  verbose = TRUE
)
```

Arguments

release	A string specifying the release version to search from. If not specified, defaults to the latest available release version. See the available versions for each ICD classification with <code>icd_versions</code> .
icd	A character string of available ICD classifications. Currently, this can be either "icd10" or "icd11". Default is "icd11".
verbose	Logical. Should non-warning and non-error messages be printed? Default is TRUE.
linearization	A character value for which linearization to search. Currently, the possible values are "mms" and "icf". Default is "mms".
language	ICD-API is multi-lingual. Language codes such as "en", "es", "zh", etc. Default is English ("en").

Value

A message or an error if release provided is recognised or not. A message or a warning if language requested is available or not for release provided. For `icd_check_language()`, returns a character value or a character vector of acceptable language codes.

Examples

```
icd_check_release("2024-01")
try(icd_check_release("2025-01"))
icd_check_language("2024-01", "mms", "ar")
icd_check_language("2024-01", "mms", "rr")
try(icd_check_language("2025-01", "mms", "ar"))
```

icd_get_foundation	<i>Get information on various ICD-11 foundation entities</i>
--------------------	--

Description

Get information on various ICD-11 foundation entities

Usage

```
icd_get_foundation(
  release = NULL,
  api_version = c("v2", "v1"),
  language = "en",
  tabular = TRUE,
  verbose = TRUE,
  base_url = "https://id.who.int",
  client = icd_oauth_client(),
  scope = "icdapi_access",
  timeout = 30,
  max_tries = 3
)
```

```
icd_get_foundation_entity(
  id,
  release = NULL,
  include = NULL,
  api_version = c("v2", "v1"),
  language = "en",
  tabular = TRUE,
  verbose = TRUE,
  base_url = "https://id.who.int",
  client = icd_oauth_client(),
  scope = "icdapi_access",
  timeout = 30,
  max_tries = 3
)
```

Arguments

release	A string specifying the release version to search from. If not specified, defaults to the latest available release version. See the available versions for each ICD classification with <code>icd_versions</code> .
api_version	Version of the API. Possible values are v1 or v2. Default is v2.
language	ICD-API is multi-lingual. Language codes such as "en", "es", "zh", etc. Default is English ("en").
tabular	Logical. Should output be structured into a tibble? Default is TRUE.

verbose	Logical. Should non-warning and non-error messages be printed? Default is TRUE.
base_url	The base URL of the API. Default uses the WHO API server at https://id.who.int .
client	The OAuth2 client produced through a call to <code>icd_oauth_client()</code> .
scope	Scopes to be requested from the resource owner. Default is <i>"icdapi_access"</i> as specified in the ICD API documentation.
timeout	The maximum time to wait for a response from the API server in seconds. Default is 30 seconds.
max_tries	Maximum number of times to retry a request if it fails with a transient error (e.g. 429, 500, 503). Default is 3.
id	Unique numerical identifier for an entity.
include	A string or a vector of strings for optional property values to be included in the response. The property values that can be included are <i>"ancestor"</i> , <i>"descendant"</i> , or <i>"diagnosticCriteria"</i> . If not specified, these properties are not included in the response.

Value

A list with information on specified ICD 11 Foundation and top level entities.

Examples

```
icd_get_foundation()
icd_get_foundation_entity(id = "1435254666")    ## chapter
icd_get_foundation_entity(id = "588616678")     ## block; depth 1
icd_get_foundation_entity(id = "1465325727")    ## category; depth 1
```

icd_get_info	<i>Get information on various ICD-11 linearization entities</i>
--------------	---

Description

Get information on various ICD-11 linearization entities

Usage

```
icd_get_info(
  linearization = c("mms", "icf"),
  api_version = c("v2", "v1"),
  language = "en",
  verbose = TRUE,
  base_url = "https://id.who.int",
  client = icd_oauth_client(),
  scope = "icdapi_access",
```

```

    timeout = 30,
    max_tries = 3
)

icd_get_chapter(
  linearization = c("mms", "icf"),
  release = NULL,
  api_version = c("v2", "v1"),
  language = "en",
  verbose = TRUE,
  base_url = "https://id.who.int",
  client = icd_oauth_client(),
  scope = "icdapi_access",
  timeout = 30,
  max_tries = 3
)

```

Arguments

linearization	A character value for which linearization to search. Currently, the possible values are <i>"mms"</i> and <i>"icf"</i> . Default is <i>"mms"</i> .
api_version	Version of the API. Possible values are v1 or v2. Default is v2.
language	ICD-API is multi-lingual. Language codes such as "en", "es", "zh", etc. Default is English ("en").
verbose	Logical. Should non-warning and non-error messages be printed? Default is TRUE.
base_url	The base URL of the API. Default uses the WHO API server at https://id.who.int .
client	The OAuth2 client produced through a call to <code>icd_oauth_client()</code> .
scope	Scopes to be requested from the resource owner. Default is <i>"icdapi_access"</i> as specified in the ICD API documentation.
timeout	The maximum time to wait for a response from the API server in seconds. Default is 30 seconds.
max_tries	Maximum number of times to retry a request if it fails with a transient error (e.g. 429, 500, 503). Default is 3.
release	A string specifying the release version to search from. If not specified, defaults to the latest available release version. See the available versions for each ICD classification with <code>icd_versions</code> .
id	Unique numerical identifier for an entity.

Value

A list with information on specified ICD 11 Foundation and top level entities.

Examples

```
icd_get_info()
icd_get_info("icf")
icd_get_chapter()
icd_get_chapter("icf")
```

icd_get_releases

*Utility functions for retrieving ICD parameters and definitions***Description**

Utility functions for retrieving ICD parameters and definitions

Usage

```
icd_get_releases(
  icd = c("icd11", "icd10"),
  linearization = c("mms", "icf"),
  latest = FALSE
)

icd_get_languages(
  icd = c("icd11", "icd10"),
  linearization = c("mms", "icf"),
  latest = FALSE
)

icd_get_entities(class = NULL)
```

Arguments

icd	A character string of available ICD classifications. Currently, this can be either "icd10" or "icd11". Default is "icd11". If NULL, all ICD classifications are used (currently both "icd10" and "icd11").
linearization	A character value for which linearization to search. Currently, the possible values are "mms" and "icf". Default is "mms".
latest	Logical. If TRUE, identifier for latest release is returned. Default is FALSE.
class	A character string of code classes to retrieve. This can be either "chapter", "block", or "category". If NULL (default), all classes are retrieved.

Value

A tibble for ICD classification values and their corresponding release identifiers (for `icd_get_releases()`).
 A names list of corresponding languages (for `icd_get_languages()`). A tibble of entities with their definitions/titles and classes (for `icd_get_entities()`).

Examples

```
icd_get_releases()
icd_get_languages()
icd_get_entities()
```

icd_map	Map ICD codes between versions
---------	--------------------------------

Description

Map ICD codes between versions

Usage

```
icd_map(from = c("icd10", "icd11"), to = c("one", "multiple"), code)
```

Arguments

from	The ICD version to map from. Either <i>icd10</i> or <i>icd11</i> . Default to <i>icd10</i> .
to	A character value of either <i>multiple</i> or <i>one</i> to map ICD-10 to ICD-11 accordingly. Only relevant if from is <i>icd10</i> . Ignored when from is <i>icd11</i> . Default to <i>one</i> .
code	Corresponding ICD code in version specified in from to map to the other version.

Value

A tibble of information for specified code mapped based on from

Examples

```
icd_map(code = "A00")
```

icd_oauth_client	<i>OAuth2 authentication to ICD API</i>
------------------	---

Description

OAuth2 authentication to ICD API

Usage

```
icd_oauth_client(
  id = Sys.getenv("ICD_CLIENT_ID"),
  token_url = "https://icdaccessmanagement.who.int/connect/token",
  secret = Sys.getenv("ICD_CLIENT_SECRET"),
  name = "icd_client",
  ...
)

icd_authenticate(
  req,
  client = icd_oauth_client(),
  scope = "icdapi_access",
  ...
)
```

Arguments

<code>id</code>	Consumer key, also sometimes called the client ID.
<code>token_url</code>	url used to exchange unauthenticated for authenticated token.
<code>secret</code>	Consumer secret, also sometimes called the client secret. Despite its name, this does not necessarily need to be protected like a password, i.e. the user still has to authenticate themselves and grant the app permission to access resources on their behalf.
<code>name</code>	Name of the application. This is not used for OAuth, but is used to make it easier to identify different applications.
<code>...</code>	Other parameters/arguments to be passed onto <code>httr2::oauth_client()</code> or to <code>httr2::req_oauth_client_credentials()</code>
<code>req</code>	A request
<code>client</code>	The OAuth2 client produced through a call to <code>icd_oauth_client()</code> .
<code>scope</code>	Scopes to be requested from the resource owner. Default is <i>"icdapi_access"</i> as specified in the ICD API documentation.

Value

An `httr2_oauth_client` class object.

Examples

```
icd_oauth_client()
```

`icd_search_foundation` *Search the foundation component or linearizations of the ICD-11*

Description

Search the foundation component or linearizations of the ICD-11

Usage

```
icd_search_foundation(  
  q,  
  subtree = NULL,  
  chapter = NULL,  
  flexisearch = FALSE,  
  flat = TRUE,  
  properties = NULL,  
  release = NULL,  
  highlight = FALSE,  
  api_version = c("v2", "v1"),  
  language = "en",  
  tabular = TRUE,  
  verbose = TRUE,  
  base_url = "https://id.who.int",  
  client = icd_oauth_client(),  
  scope = "icdapi_access",  
  timeout = 30,  
  max_tries = 3  
)
```

```
icd_search(  
  q,  
  linearization = c("mms", "icf"),  
  subtree = NULL,  
  use_foundation = FALSE,  
  keyword = FALSE,  
  chapter = NULL,  
  flexisearch = FALSE,  
  flat = TRUE,  
  release = NULL,  
  highlight = FALSE,  
  medical_mode = TRUE,  
  properties = NULL,  
  api_version = c("v2", "v1"),
```

```

    language = "en",
    tabular = TRUE,
    verbose = TRUE,
    base_url = "https://id.who.int",
    client = icd_oauth_client(),
    scope = "icdapi_access",
    timeout = 30,
    max_tries = 3
)

```

Arguments

q	String. Text to be searched. Having the character % at the end will be regarded as a wild card for that word.
subtree	A string or vector of strings of URIs. If provided, the search will be performed on the entities provided and their descendants.
chapter	A string or vector of strings of chapter codes eg: c("01", "02") When provided, the search will be performed only on these chapters.
flexisearch	Logical. Default is FALSE. Changes the search mode to flexible search (for more details, see section on flexisearch).
flat	Logical. Default is FALSE. If set to true the search result entities are provided in a nested data structure representing the ICD-11 hierarchy. Otherwise they are listed as flat list of matches.
properties	A string or a vector of strings for the properties to be searched. When set to NULL (default), search is performed on a default set of properties depending on whether foundation or linearization (see section on properties for more details). Should be set/specified if medical_mode = FALSE.
release	A string specifying the release version to search from. If not specified, defaults to the latest available release version. See the available versions for each ICD classification with icd_versions.
highlight	Logical. Default is FALSE. If set to FALSE the search result highlighting is turned off and the results don't contain special tags for highlighting where the results are found within the text.
api_version	Version of the API. Possible values are v1 or v2. Default is v2.
language	ICD-API is multi-lingual. Language codes such as "en", "es", "zh", etc. Default is English ("en").
tabular	Logical. Should output be structured into a tibble? Default is TRUE.
verbose	Logical. Should non-warning and non-error messages be printed? Default is TRUE.
base_url	The base URL of the API. Default uses the WHO API server at https://id.who.int.
client	The OAuth2 client produced through a call to icd_oauth_client().
scope	Scopes to be requested from the resource owner. Default is "icdapi_access" as specified in the ICD API documentation.
timeout	The maximum time to wait for a response from the API server in seconds. Default is 30 seconds.

max_tries	Maximum number of times to retry a request if it fails with a transient error (e.g. 429, 500, 503). Default is 3.
linearization	A character value for which linearization to search. Currently, the possible values are "mms" and "icf". Default is "mms".
use_foundation	Logical. Default is FALSE. Should subtree filter use foundation descendants (TRUE) or linearization descendants (FALSE)?
keyword	Logical. Default is FALSE. Should search results show keyword list? See section on keyword for more details.
medical_mode	Logical. Default is FALSE. Should medical coding mode be turned on?

Value

A tibble of search results.

On flexisearch

In the regular search mode (flexisearch = FALSE), the function will only give you results that contain all of the words that you've used in your search. It accepts different variants or synonyms of the words but essentially it searches for a result that contains all components of your search. Whereas in flexible search mode, the results do not have to contain all of the words that are typed. It would still try to find the best matching phrase but there may be words in your search that are not matched at all. It is recommended to use flexible search only when regular search does not provide a result.

On keyword

If set to true, the search result will also include keyword list. If the last word provided is incomplete, keyword list includes all words that start with the incomplete word (word completion mode). If the last word is complete, the keyword list will provide suggested additional words that could be added to the search query (word suggestion mode).

On medical_mode

When searching the classification for medical coding purposes, this should be set to TRUE (default). In this mode, the search gives results only from the entities that have a code. The system will search all index terms of an entity. i.e. *titles*, *synonyms*, *fully specified term*, all terms of other entities that are in the foundation are aggregated into this entity. By default, *chapters* 26, V, and X are not included in the search results. If medical_mode is set to FALSE, then the properties argument will need to be specified (see next section).

On properties

In the Foundation search, by default the function searches "Title", "Synonyms", and "FullySpecified-Name". The valid values that could be used for properties are: "Title", "Synonym", "NarrowerTerm", "FullySpecifiedName", "Definition", and "Exclusion". In the MMS search, this argument is only used when medical_mode = FALSE. The valid values that could be used are: "Title", "FullySpecifiedName", "Definition", "Exclusion", and "IndexTerm". If "IndexTerm" is used, the search will be performed on all "Titles", "Synonyms", and "FullySpecifiedNames" including the ones that are

under shoreline (i.e Entities in the foundation but not in MMS). In such cases the results will be shown based on where the match is aggregated into in MMS.

On language

ICD-API is multi-lingual. By setting the language, you may make the API respond in different languages. Languages will be available as the translations of ICD-11 completes. The values are language codes such as en, es, zh, etc. Depending on the release specified, the available languages will vary.

Examples

```
icd_search_foundation("colorectal cancer")
icd_search("colorectal cancer")
icd_search("impairment", linearization = "icf")
```

icd_structure_foundation

Structure ICD list and ICD search outputs

Description

Structure ICD list and ICD search outputs

Usage

```
icd_structure_foundation(icd_list)

icd_structure_search(icd_search)

icd_structure_autocode(icd_autocode)

icd_structure_entity(icd_entity)
```

Arguments

icd_list	An object produced by a call to any of the icd_get functions
icd_search	An object produced by a call to any of the icd_search functions
icd_autocode	An object produced by a call to any of the icd_autocode functions
icd_entity	An object produced by a call to any of the icd_get_entity functions

Details

These functions are meant to be helper functions and are used within the icd_get, icd_search, icd_autocode, and icd_get_entity functions to structure the output responses.

Value

A tibble of structured ICD outputs.

Examples

```
icd_list <- icd_get_foundation(tabular = FALSE)
icd_tbl_foundation <- icd_structure_foundation(icd_list)
icd_structure_search(icd_search_foundation("cholera", tabular = FALSE))
icd_structure_autocode(icd_autocode_foundation("cholera"))
```

icd_versions

Table of supported classifications and versions by the ICD API

Description

Table of supported classifications and versions by the ICD API

Usage

```
icd_versions
```

Format

A data frame with 6 columns and 11 rows:

Variable	Description
<i>release_id</i>	Release identifier for specific classification version
<i>foundation</i>	Logical. Does this version include the Foundation?
<i>classification</i>	Classification name: ICD-11 or ICD-10
<i>linearization</i>	Either MMS or ICF
<i>languages</i>	Languages in which classification, release, and linearization is available for

Source

<https://icd.who.int/docs/icd-api/SupportedClassifications/>

Examples

```
icd_versions
```

icd11_linearization_mms

ICD-11 Mortality and Morbidity Linearization Outputs

Description

ICD-11 Mortality and Morbidity Linearization Outputs

Usage

```
icd11_linearization_mms
```

Format

A data frame with 21 columns and 36753 rows:

Variable	Description
<i>Foundation URI</i>	Foundation URI
<i>Linearization (release) URI</i>	Linearization release URI
<i>Code</i>	ICD-11 Code
<i>BlockId</i>	Block identifier
<i>Title</i>	Title
<i>ClassKind</i>	Class
<i>DepthInKind</i>	Depth
<i>IsResidual</i>	Is residual?
<i>PrimaryLocation</i>	Primary location
<i>ChapterNo</i>	Chapter number
<i>BrowserLink</i>	Browser link
<i>iCatLink</i>	Category link
<i>isLeaf</i>	Is leaf?
<i>noOfNonResidualChildren</i>	Number of non-residual children
<i>Primary tabulation</i>	Primary tabulation
<i>Version</i>	Date and time linearization was produced

Source

<https://icd.who.int/dev11/Downloads/Download?fileName=LinearizationMiniOutput-MMS-en.zip>

Examples

```
icd11_linearization_mms
```

icd11_simple_table_mms
ICD-11 Mortality and Morbidity Simple Table Outputs

Description

ICD-11 Mortality and Morbidity Simple Table Outputs

Usage

icd11_simple_table_mms

Format

A data frame with 18 columns and 36044 rows:

Variable	Description
<i>Foundation URI</i>	Unique identifier for the entity that will not change
<i>Linearization (release) URI</i>	Unique identifier for this version of the classification. It includes the linearization name such as
<i>Code</i>	ICD-11 code for the entity. Note that the groupings do not have a code.
<i>BlockId</i>	Identifier for high level groupings that do not bear a code
<i>Title</i>	Title of the entity
<i>ClassKind</i>	One of the three (chapter, block, category); Chapter is top level classification entities; Blocks are
<i>DepthInKind</i>	Depth of within the Class Kind. For example, a category with depthkind=2 means it is category
<i>IsResidual</i>	true if the entity is a residual category (i.e. other specified or unspecified categories)
<i>ChapterNo</i>	The chapter that the entity is in
<i>BrowserLink</i>	Direct link to this entity in ICD-11 browser
<i>IsLeaf</i>	true if this entity does not have any children
<i>Primary Tabulation</i>	
<i>GroupingX</i>	Groupings that the entity is included in
<i>Version</i>	Date and time linearization was produced

Source

<https://icdcdn.who.int/static/releasefiles/2024-01/SimpleTabulation-ICD-11-MMS-en.zip>

Examples

icd11_simple_table_mms

ten_map_to_multiple_eleven
<i>ICD 10 code or categories mapped to multiple ICD 11 categories</i>

Description

ICD 10 code or categories mapped to multiple ICD 11 categories

Usage

ten_map_to_multiple_eleven

Format

A data.frame with 15658 rows and 12 columns:

Variable	Description
<i>icd10_class_kind</i>	ICD 10 class or kind: either chapter, block, category, or modifiedcategory
<i>icd10_depth</i>	ICD 10 depth level
<i>icd10_code</i>	ICD 10 code (for class chapter) or block of codes (for class block)
<i>icd10_chapter</i>	ICD 10 chapter
<i>icd10_title</i>	ICD 10 class or kind: either category or code
<i>icd11_class_kind</i>	ICD 11 class or kind: either block, category, or chapter
<i>icd11_depth</i>	ICD 11 depth level
<i>icd11_foundation_uri</i>	ICD 11 foundation URI
<i>icd11_linearization_uri</i>	ICD 11 linearization URI
<i>icd11_code</i>	ICD 11 code
<i>icd11_chapter</i>	ICD 11 chapter
<i>icd11_title</i>	ICD 11 title

Source

<https://icdcdn.who.int/static/releasefiles/2024-01/mapping.zip>

Examples

ten_map_to_multiple_eleven

ten_map_to_one_eleven	<i>ICD 10 code or categories mapped to one ICD 11 category</i>
-----------------------	--

Description

ICD 10 code or categories mapped to one ICD 11 category

Usage

ten_map_to_one_eleven

Format

A data.frame with 12597 rows and 12 columns:

Variable	Description
<i>icd10_class_kind</i>	ICD 10 class or kind: either chapter, block, category, or modifiedcategory
<i>icd10_depth</i>	ICD 10 depth level
<i>icd10_code</i>	ICD 10 code (for class chapter) or block of codes (for class block)
<i>icd10_chapter</i>	ICD 10 chapter
<i>icd10_title</i>	ICD 10 class or kind: either category or code
<i>icd11_class_kind</i>	ICD 11 class or kind: either block, category, or chapter
<i>icd11_depth</i>	ICD 11 depth level
<i>icd11_foundation_uri</i>	ICD 11 foundation URI
<i>icd11_linearization_uri</i>	ICD 11 linearization URI
<i>icd11_code</i>	ICD 11 code
<i>icd11_chapter</i>	ICD 11 chapter
<i>icd11_title</i>	ICD 11 title

Source

<https://icdcdn.who.int/static/releasefiles/2024-01/mapping.zip>

Examples

ten_map_to_one_eleven

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