

# ICPC-3 Browser API

The ICPC-3 HTTPS based REST API gives access to the ICPC-3 classification and allows developers to integrate ICPC-3 into their own application. The communication between your own application and the ICPC-3 server is encrypted through the use of https.

The usual sequence of events will be that an application uses an API call to search for one or more ICPC-3 codes on the basis of one or more search words. The API call returns the found classes and if needed the calling application requests more information about one or more of the returned classes through another API call.

The API calls must be directed at the following URL:

<https://browser.icpc-3.info/browse.php>

## API Call: search

Request URL: <https://browser.icpc-3.info/browse.php?operation=search1&str=common%20cold>  
Request Method: GET

Alternative:

Request URL: <https://browser.icpc-3.info/browse.php?operation=search1&codes=RD02%20RD02.01>

Alternative (URI):

Request URL: <https://browser.icpc-3.info/RD02>

## Response

```
{ "id": 0, "text": "Search results for 'common cold'", "state": { "opened": true }, "type": null, "children": [
  { "id": 103101420, "text": "RD02.01 Common cold", "state": null, "type": "infection", "children": false },
  { "id": 4000562, "text": "RD02 Acute upper respiratory infection", "state": null, "type": "infection", "children": false }
]}
```

The first part of the response repeats the search request. The field `children` contains the classes that are found.

NB: You can also search for codes, just use the parameter `codes` instead of `str` and specify the codes that you are looking for.

## Parameters

`id` = internally used identifier of a class

`text` = concatenation of the code and preferred term of a found class

`state` = opened / null

`type` = the class kind of a found class

`children` = if true, this class has children

The search is always based on the text of the preferred term, inclusions and index words. Currently there are three different search strategies:

`search1` : the search words may appear in one of the three rubric kinds

`search2` : the results are ordered based on the rubric kinds: preferred > inclusions > index words

`search3` : only the classes are returned where all search words are present in the same rubric

# API Call: getRubrics

Request URL: <https://browser.icpc-3.info/browse.php?operation=getRubrics&id=1>  
Request Method: GET

## Response

```
[
  {"id":1,"code":"A1","kind":"viewer","display":"9","label":"Visits for general examination, routine examination, family planning, prevention, and other visits"},
  {"id":"1","code":null,"kind":"preferred","display":"Main term","label":"Visits for general examination, routine examination, family planning, prevention, and other visits"},
  {"id":"2","code":null,"kind":"description","display":"Description","label":"The classes in this chapter, like the organ and organ-system chapters, are meant to define an episode of care (EoC)."},
  {"id":"3","code":null,"kind":"description","display":"Description","label":"Sometimes there is no apparent health problem involved in an episode of care, as when it e.g. relates to need for immunisation or a screening, family planning, patient preferences or case finding. These contacts can also be related to first contact or certification."},
  {"id":"4","code":null,"kind":"description","display":"Description","label":"Interventions carried out in these episodes of care are to be coded with the Intervention Codes in Chapter I - Interventions and Processes, not with the classes in Chapter A1! "}
]
```

The first item in the response includes the code and preferred term of the class. This can be used as a heading.

## Parameters

id = internally used identifier for rubric (can be ignored)  
code = the code of the class, only present in first item of response  
kind = the rubric kind  
display = a user-friendly name of the rubric kind  
label = the contents of the rubric

# API Call: getClasses

Request URL: <https://browser.icpc-3.info/browse.php?operation=getClasses&id=#>  
Request Method: GET

## Response

```
[{"id":0,"text":"ICPC-3","state":{"opened":true},"type":null,"children":
[
  {"id":1,"text":"A1 Visits ... other visits","state":null,"type":"chapter","children":true},
  {"id":8,"text":"A General","state":null,"type":"chapter","children":true},
  {"id":11,"text":"B Blood, ... immune system","state":null,"type":"chapter","children":true},
  {"id":14,"text":"D Digestive system","state":null,"type":"chapter","children":true},
  {"id":17,"text":"F Eye","state":null,"type":"chapter","children":true},
  {"id":20,"text":"G Genital system","state":null,"type":"chapter","children":true},
  {"id":23,"text":"H Ear","state":null,"type":"chapter","children":true},
  {"id":26,"text":"K Circulatory system","state":null,"type":"chapter","children":true},
  {"id":29,"text":"L Musculoskeletal system","state":null,"type":"chapter","children":true},
  {"id":32,"text":"N Neurological system","state":null,"type":"chapter","children":true},
  {"id":35,"text":"P Psycho...developmental","state":null,"type":"chapter","children":true},
  {"id":38,"text":"R Respiratory system","state":null,"type":"chapter","children":true},
  {"id":41,"text":"S Skin","state":null,"type":"chapter","children":true},
  {"id":44,"text":"T Endocrine, ... system","state":null,"type":"chapter","children":true},
  {"id":47,"text":"U Urinary system","state":null,"type":"chapter","children":true},
  {"id":50,"text":"W Pregnancy and childbearing","state":null,"type":"chapter","children":true},
  {"id":53,"text":"Z Social problems","state":null,"type":"chapter","children":true},
  {"id":55,"text":"I Intervent... Processes","state":null,"type":"chapter","children":true},
  {"id":62,"text":"II Functioning ... Related","state":null,"type":"chapter","children":true},
  {"id":65,"text":"III Regio...tension","state":null,"type":"regionalChapter","children":true},
  {"id":69,"text":"IV Emergency codes","state":null,"type":"chapter","children":true},
  {"id":79,"text":"V Extension Codes","state":null,"type":"chapter","children":true}
]
}]
```

## Parameters

id = internally used identifier for the class  
text = text to display in the browser, this is a concatenation of the code and preferred term  
state = opened / null  
type = class kind  
children = if true, this class has children

Subsequent calls should use the internally used id, for example to retrieve the children of chapter A, the call should be:

<https://browser.icpc-3.info/browse.php?operation=getClasses&id=8>

## API Call: searchCode

Request URL: <https://browser.icpc-3.info/browse.php?operation=searchCode&str=LS18>  
Request Method: GET

## Response

```
{"found": [3000426], "parents": [2900030, "29"]}
```

Returns the internally used identifier of a code and the ancestors of the code. Thus in the example above the internal identifier of the class with code LS18 is 300426, its direct parent is the class with identifier 2900030 (i.e. LS) and the parent thereof has the identifier 29 (i.e. L).