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MINISTRY OF LABOUR
HEALTH AND
SOCIAL AFFAIRS

Ministry of Labour, Health and Social Affairs of Georgia



Health Management Information System

Medical Classifications

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Introduction

The Classification Module is a part of the Health Management Information System (HMIS), which aims at facilitating diagnosis and/or intervention selection procedures for the user.

The Classification Module is posted on the HMIS portal at the following address: <http://ehealth.moh.gov.ge/Hmis/Classifications/> The portal is supported by all common web browsers and is compatible with all operating systems.

Several classifications are presented in the Medical Classification Module:

1. ICD10
2. NCSP
3. ICPC-2
4. Laboratory

1. ICD-10 - International Statistical Classification of Diseases and Related Problems, 10th Revision

Click on the ICD-10 button in the main menu to use the classification. The classification is intended for hospital and out-patient sectors.

2. NCSP –Nordic Classification of Surgical Procedures

Click on the NCSP button in the main menu to search for the intervention (surgical operation, examination) code. The classification is intended for hospitals or out-patient facilities equipped with high-tech diagnostic equipment.

3. ICPC2 –International Classification of Primary Care

Click on the ICPC2 button in the main menu to search for primary care codes. The classification is intended for only family doctors, district doctors and rural doctors.

4. Laboratory- Classification of Laboratory Examinations

Click on the Laboratory button in the main menu to search for performed laboratory tests and their codes. The classification is intended for hospital laboratories and laboratories of out-patient facilities equipped with high-tech diagnostic equipment. All laboratories can use the classification, if necessary/needed.

1. ICD-10

The ICD-10 codes are used to classify diagnosis or causes of death.

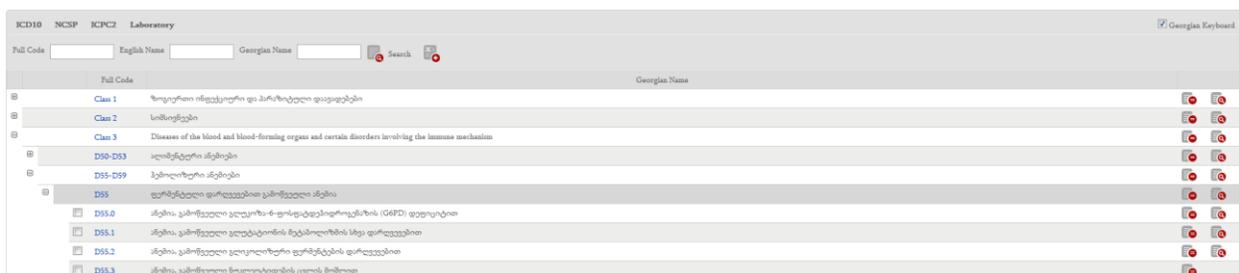
The classification is divided into 21 chapters according to disease classes. Chapter 22 U is used for new diseases and scientific studies.

There are two main options to select the necessary diagnosis/code:

1. Select the relevant diagnosis class, open (expand) a three-digit or a four-digit code and carefully read the information displayed in the window that appears by clicking on the mark  next to the code (if applicable).

E.g.: Vitamin B12 deficiency anemia (Fig. 1).

Figure 1



Choose the relevant diagnosis class – “class 3 – diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D-50-D89)”.

Open a window by clicking on the mark  and the displayed information will help you to select the correct code.

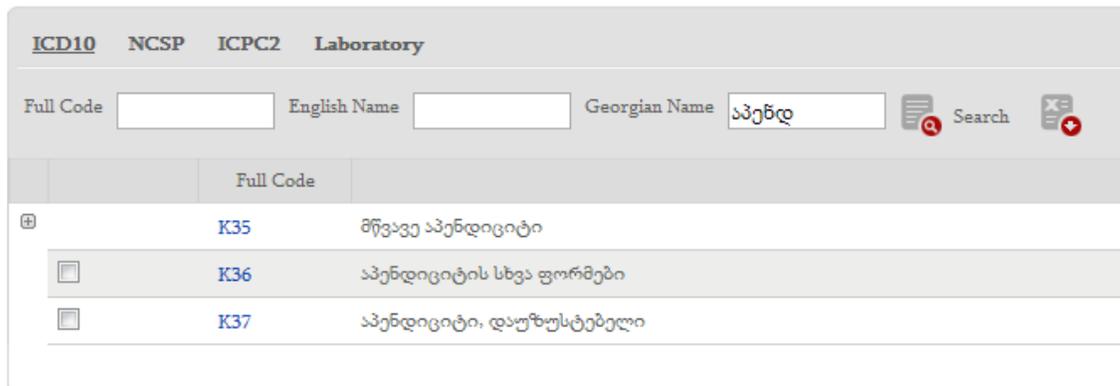
2. Type a keyword for the diagnosis in the search box. Use Georgian Unicode font.

Select a diagnosis and a code in the list and open a window by clicking on the . Read the displayed information to select the correct code:

- a) It means
- b) It does not mean
- c) Note

E.g.: Acute appendicitis with peritonitis (Fig. 2).

Figure 2

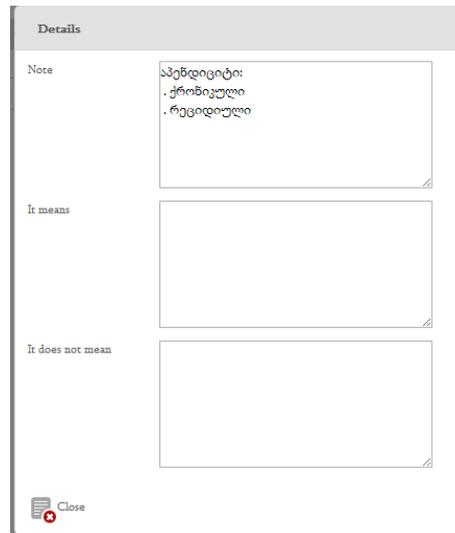


ICD10 NCSP ICPC2 Laboratory			
Full Code	English Name	Georgian Name	
		აპენდ	Search 
Full Code			
<input checked="" type="checkbox"/>	K35	მწვავე აპენდიციტი	
<input type="checkbox"/>	K36	აპენდიციტის სხვა ფორმები	
<input type="checkbox"/>	K37	აპენდიციტი, დაუზუსტებელი	

Type the word “appendicitis” in the Georgian Name window. Use Georgian Unicode font. Select a diagnosis and a code in the list. Open a window by clicking on the mark

 and the displayed information will help you to select the correct code (Fig. 3).

Figure 3

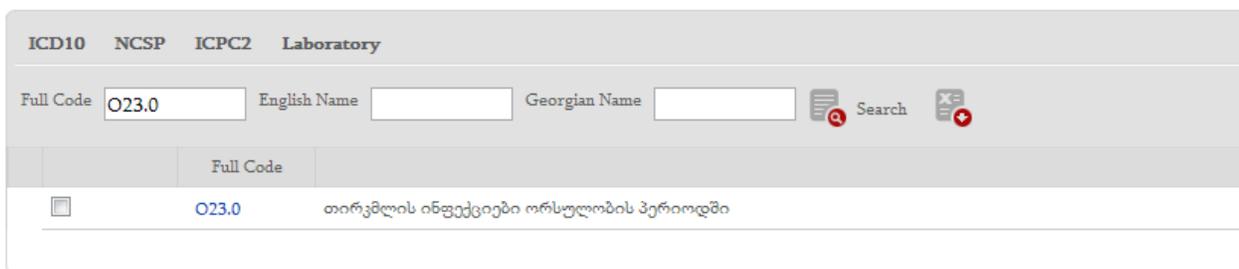


If you know the code and need to search for the relevant diagnosis, type the code in Latin characters in the window. The information displayed in the window that appears by clicking on the mark , will help you to select the correct code.

E.g. Diagnosis related code -O23.0:

Type the code -O23.0. The Georgian name of the diagnosis will appear in the window - „თირკმლის ინფექციები ორსულობის პერიოდში” (Kidney infection during pregnancy) (Fig. 4).

Figure 4



The user can make a comment to any ICD10 code. Click on the  button to open the Personal Data window (Fig. 4.1).

Figure 4.1

The screenshot shows a form titled "Personal Data". On the left is a grey silhouette of a person. To the right are several input fields: "Personal #" (empty), "Personal #" (containing "admin"), "First Name" (empty), "Second Name" (empty), "Date of Birth" (empty), "Gender" (a dropdown menu showing "- სქესი -"), "Age" (empty), and "Region" (empty). At the bottom left, there are two buttons: "Continue" with a plus icon and "Close" with a minus icon.

Enter your ID and personal numbers. Click on the Next button to move to the Comment box and leave your comments (Fig. 5).

Figure 5

The screenshot shows a form titled "კომენტარი" (Comment). It has two main input areas: "Theme" with a single-line text box and "Text" with a larger multi-line text area. At the bottom left, there are two buttons: "Save" with a checkmark icon and "Close" with a minus icon.

Click on the  button to export data to Excel format.

2. NCSP

The NCSP is intended for hospital or out-patient facilities equipped with high-tech diagnostic equipment (Fig. 6).

Figure 6



The classification consists of 15 main, 5 subsidiary and 1 supplementary chapters. The full code assigned to the procedure according to the classification is the six-digit code. There are two options to search for procedures and codes:

1. Determine the chapter which contains the procedure performed by you. Select the description and the code of the procedure in the list.

E.g.: “thyroid ultrasound”. Select the Latin character B that indicates Endocrinology Chapter. Then choose description and code of the procedure in the list. It will be thyroid ultrasound - BADE1A (Fig. 7).

Figure 7



2. Type the root word in the Georgian Name window; e.g., “atria” - in order to search for “atrial reconstructive surgery”. Select the description and the code of the procedure in the list.

Chapters P-Z for psychic/psychological and social problems are separated.

General or unspecified symptoms/complaints and diagnoses are described in Chapter A.

Each chapter is divided into the following components:

.01- .29 - Codes for Symptoms and Complaints

.30- .69 - Codes for Procedures/Interventions

.70- - .99 – Codes for Diagnoses

Chapter Z - the social problems chapter does not contain specific diagnoses. The RFE indicates the patient's opinion about the visit to the doctor.

Use the “symptoms/complaints” (codes - 01-29 in all chapters) and diagnoses (codes – 70-99 in all chapters) to indicate the name of diagnosis.

Use codes 30-59-; 62; 66, 67, 68 to indicate the procedure/intervention.

There are the following options to search for RFE, diagnoses and procedures (interventions) in the eClassification:

Option 1:

Click on the ICPC2 in the main menu. Determine the chapter which contains the diagnosis, the symptom, the examination, etc. Select the symbol that indicates the chapter. Then select the description and the code of the diagnosis, symptom or examination.

E.g.: “duodenal ulcer”, Chapter D – Digestive System, code - D85. Open a window by clicking on the mark  across the diagnosis and the displayed information will help you to select the correct code.

Option 2:

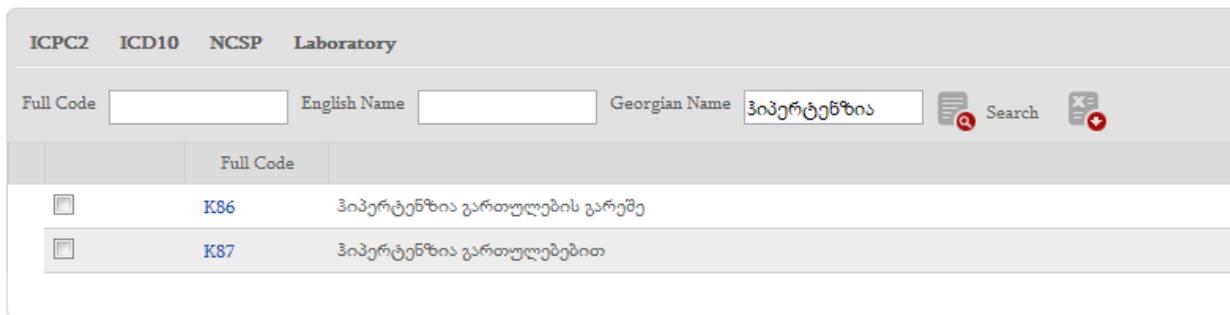
E.g.: “hypertension”.

Type the word Hypertension in the window. Use Georgian Unicode font. Select the diagnosis and the code in the list. Open a window by clicking on the mark  across the diagnosis and the displayed information will help you to select the correct code.

You should know the chapter (organ system) which contains the performed test/examination to select the code.

E.g.: Blood count in case of cardiologic problems can be found in Chapter K – Cardiovascular, which has code - K34. Blood count in case of general problems can be found in Chapter A, which has code –A34 (Fig. 10).

Figure 10



	Full Code	
<input type="checkbox"/>	K86	ჰიპერტენზია გართულების გარეშე
<input type="checkbox"/>	K87	ჰიპერტენზია გართულებებით

4. Laboratory

The classification contains 19 main chapters and an attachment that includes a list of microorganisms: bacteria, viruses, fungi, protozoa and helminthes (Fig. 11).

Figure 11

Laboratory	ICD10	NCSP	ICPC2
Laboratory Filter			
Full Code	<input type="text"/>	English Name	<input type="text"/>
		Georgian Name	<input type="text"/>
			 Search 
Attachment Filter			
Full Code	<input type="text"/>	English Name	<input type="text"/>
		Georgian Name	<input type="text"/>
			 Search
	Full Code		
<input type="checkbox"/>	Chapter 1	Blood	
<input type="checkbox"/>	Chapter 2	სისხლის კოაგულაციის უნარის გამოკვლევა	
<input type="checkbox"/>	Chapter 3	ძვლის ტვინი	
<input type="checkbox"/>	Chapter 4	შარდი	
<input type="checkbox"/>	Chapter 5	განავალი	

According to the classification of laboratory examinations code specification is not limited but you should select a maximally correct test.

The  button at the beginning of the chapter or next to the code may contain important information.

Please, see below an example of using the attachment:

There are two options to search for lab tests and their codes:

Option 1:

Determine the chapter that contains the performed test, click on the Latin character indicating the chapter and select the description and the code of the test.

E.g.: “determining the number of red blood cells”

Select the abbreviation BL for the chapter and then – the description and the code of the test in the list.

BL.2.1 - Determine the number of red blood cells.

Option 2:

Type the root word in the Georgian Name window. E.g.: “platel” if you are searching for “determining the average number of platelets”. Select the description and the code of the procedure in the list (Fig. 12).

Figure 12

The screenshot shows a software interface with the following elements:

- Navigation tabs: Laboratory, ICD10, NCSP, ICPC2
- Laboratory Filter:**
 - Full Code: [input field]
 - English Name: [input field]
 - Georgian Name: თრომბოციტების განსაზღვრა [input field]
 - Search button with a magnifying glass icon and a red 'x' icon.
- Attachment Filter:**
 - Full Code: [input field]
 - English Name: [input field]
 - Georgian Name: [input field]
 - Search button with a magnifying glass icon.
- Results Table:**

Full Code	Georgian Name
BL.3	თრომბოციტების განსაზღვრა სისხლში
CG.1.1.1	თრომბოციტების რეცეპტორების განსაზღვრა სისხლში
CG.1.3.1	ვილენბრანდის ფაქტორის აქტივობის განსაზღვრა (თრომბოციტების რისტომიციინ-აგრეგაციის მიხედვით)
CG.1.3.4	ვილენბრანდის ფაქტორის მუბოჭვის განსაზღვრა თრომბოციტებთან და მე-8 ფაქტორთან
CG.1.3.6	თრომბოციტების სხვა ფაქტორების განსაზღვრა

See the attachment if you have selected microorganisms. Select a maximally correct test.

E.g.: Chapter: Microbiology MB

MB.1-microscopic examinations of bacteria MB.1.1 – identification of bacteria in smears – there is the Expand/Close button  on the left side of the code i.e. the code indicates the maximally correct test. Click on the  button to view a list of microorganisms. You can find bacteria (pages 1-21); fungi (pages 22-37) and viruses (pages 37-41) in the list.

There is an attachment to the chapter Parasitology that contains a list of helminths (pages 1-5) and protozoa (pages 5-7) (Fig. 13).

Figure 13

Chapter 1	Blood		HEL.1	Acanthocheilium streptocera
Chapter 2	სისხლის კოაგულაციის ტერმის გამოკვლევა		HEL.2	Acanthocheilium (Dipetalonema perrasi)
Chapter 3	მულის ტერმი		HEL.3	Ancylostoma braziliense
Chapter 4	მარგი		HEL.4	Ancylostoma ceylanicum
Chapter 5	განავალი		HEL.5	Ancylostoma duodenale
Chapter 6	კუჭის მივითვისი		HEL.6	Angiostrogilus canisensis
Chapter 7	ფეოიდენალოზი მივითვისი		HEL.7	Angiostrogilus costaricensis
Chapter 8	ნახველი		HEL.8	Anisakis maris
Chapter 9	ლექვარი (თავზურდის ტერმის სიხე)		HEL.9	Arncliffea Arncliffei
Chapter 10	გამონაფრთი სიხეები		HEL.10	Ascaris lumbricoides
Chapter 11	ჰეპატოლიტი		HEL.11	Bragia malayi
Chapter 12	ჭელის სასტესო ორგანიზმების გამონადენი		HEL.12	Capillaria hepatica
Chapter 13	Immunologic Tests		HEL.13	Capillaria philippinensis
Chapter 14	Cytologic Examinations		HEL.14	Clinocercis vivensis
Chapter 15	Hormonal Examinations		HEL.15	Cysticercus
Chapter 16	მიკრობიოლოგია		HEL.16	Dicrocoelium hepae
Chapter 17	პარაზიტოლოგია			
PR.1	ველმბეტების გამოკვლევა			
PR.1.1	ველმბეტებზე ფეკალიების მიკროსკოპული გამოკვლევა			
PR.1.1.1	ლენტისებრი ქიების და მათი ფრესტენტების გამოკვლევა ლუბილი ან მიკროსკოპის მეორე გადივებით			
PR.1.1.2	ველმბეტების წინადასრული ფორმების გამოკვლევა ლუბილი ან მიკროსკოპის მეორე გადივებით			
PR.1.2	ველმბეტებზე ფეკალიების მიკროსკოპული გამოკვლევა			
PR.1.3	ველმბეტების ხელაფრთი კვლადრების გამოკვლევა			
PR.1.4	ველმბეტების გამონადენიდან იმუნოლოგიური გამოკვლევები			
PR.2	ფარსტეფების გამოკვლევა (Praxenos-ის ტიპი)			

Use the search tools in the attachment to search for microorganisms.