

# ICIDH-2

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## International Classification of Functioning and Disability

Beta-2 Draft  
Full Version  
July 1999



Assessment, Classification and Epidemiology Group  
World Health Organization  
Geneva, Switzerland

**IMPORTANT**

This document is issued for field trial purposes. The classification is undergoing systematic field trials and is subject to further consultation. The final version is planned to be published in 2001.

Please note that the title of the classification has been changed from

*ICIDH: International Classification of Impairments, Disabilities, and Handicaps*

to

*ICIDH-2: International Classification of Functioning and Disability*

The rationale for these changes is further explained in the Introduction. Please let us have your comments and suggestions on any matter that arises in the Beta-2 draft. This draft can be found on: <http://www.who.int/icidh>

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## **ICIDH-2 BETA-2 DRAFT**

### **A. Introduction**



## 1. Background

This volume contains ICIDH-2: *International Classification of Functioning and Disability*.<sup>1</sup> ICIDH-2<sup>2</sup> systematically groups functional states associated with health conditions (i.e. a disease, disorder, injury or trauma or other health-related state). The overall aim of the ICIDH-2 classification is to provide a unified and standard language and framework for the description of human functioning and disability as an important component of health. The classification covers any disturbance in terms of “functional states” associated with health conditions at body, individual and society levels. “Functioning” and “disability” are umbrella terms covering three dimensions: (1) body functions and structure; (2) activities at the individual level; and (3) participation in society.<sup>3</sup>

ICIDH-2 belongs to the “family” of classifications developed by the World Health Organization for application to various aspects of health. The WHO family of international classifications provides the language to code a wide range of information about health (e.g. diagnosis, functioning and disability, reasons for encounter) and uses a standardized common language permitting communication about health and health care across the world in various disciplines and sciences.

In WHO’s international classifications, health conditions are classified mainly in ICD-10 (shorthand for International Classification of Diseases, Tenth Revision)<sup>4</sup> which represents an etiological framework. The functioning and disability associated with health conditions are classified in ICIDH-2. The ICD-10 and ICIDH-2 are

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<sup>1</sup> The text represents a revision of the International Classification of Impairments, Disabilities, and Handicaps (ICIDH), which was first published in 1980 by the World Health Organization for trial purposes. This Beta-2 Draft version will be subject to systematic field trials and further consultation until 2001 and will be finalized following the results of the field trials.

<sup>2</sup> Throughout this document the acronym ICIDH will be retained for historical reasons.

<sup>3</sup> These dimensions of health-related experience replace terms formerly used- “impairment”, “disability” and “handicap” and extend their meanings to include positive experiences. The new terms are further defined in this Introduction and detailed within the classification. It is important to note that these terms are used with specific meanings that may differ from their everyday usage.

<sup>4</sup> International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Vols. 1-3. Geneva, World Health Organization, 1992-1994.

therefore complementary<sup>5</sup> and users are encouraged to utilize these two members of the WHO family of international classifications together wherever applicable. ICD-10 provides a “diagnosis” and this information is enriched by the additional information given by ICIDH-2 on functioning at body, individual and society levels.<sup>6</sup> Together, information on diagnosis plus functioning provides a broader and more meaningful picture that describes the health status of people, which could be used for decision making purposes.

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<sup>5</sup> It is also important to recognize the overlap between ICD-10 and ICIDH-2. Both ICIDH-2 and ICD-10 begin with the body systems. Impairments refer to body structures and functions, which are usually parts of the “disease process” and therefore also used in the ICD system. Nevertheless, the ICD system uses impairments (as signs and symptoms) as parts of a constellation that forms a “disease” or sometimes uses them as reasons for contact with health services; whereas the ICIDH-2 system uses them as problems of body functions associated with health conditions.

<sup>6</sup> Two persons with the same disease can have different functional states, and two persons with the same functional state do not necessarily have the same disease. Hence, joint use enhances data quality. Use of ICIDH-2 should not bypass regular diagnostic procedures for medical purposes. In other uses, ICIDH-2 could be used alone.

## 2. Aims of ICIDH-2

ICIDH-2 is a multi-purpose classification designed to serve various disciplines and different sectors. Its specific aims can be summarized as follows:

- to provide a scientific basis for understanding and studying the functional states associated with health conditions ;<sup>7</sup>
- to establish a common language for describing functional states associated with health conditions in order to improve communications between health care workers, other sectors, and disabled people/people with disabilities;
- to permit comparison of data across countries, health care disciplines, services and time;
- to provide a systematic coding scheme for health information systems.

These aims are interrelated, since the need for and uses of ICIDH-2 require the construction of a meaningful and useful system that can be utilized by various users for health policy, quality assurance and outcome evaluation in different cultures.

### 2.1 Applications of ICIDH-2

Since first publication in 1980, ICIDH has been used for various purposes, for example:

- as a statistical tool – in the collection and recording of data (e.g. in population studies and surveys or in management information systems);
- as a research tool – to measure outcomes, quality of life or environmental factors;
- as a clinical tool – in needs assessment, matching treatments with specific conditions, vocational assessment, rehabilitation and outcome evaluation;
- as a social policy tool – in social security planning, compensation systems and policy design and implementation;

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<sup>7</sup> Disease and disability are distinct constructs, which can be viewed independently. Disease (e.g. measles, which has a specific etiological agent and pathogenesis) is one construct and disability – in the ICIDH-2 sense -- is another construct (e.g. skin rash, limitation of daily activities, or person not being allowed to go to school to prevent transmission). Disease and disability constructs may not always be in a predictable one-to-one relationship since each construct has independent features.

- as an educational tool – in curriculum design and to raise awareness and undertake social actions.

Although ICIDH-2 is inherently a health-related classification, it is also used by other sectors such as insurance, social security, labour, education, economics, social policy and general legislation development. Thus it has been accepted as one of the United Nations social classifications and is referred to in and incorporates *the Standard Rules on the Equalization of Opportunities for Persons with Disabilities*.<sup>8</sup> As such ICIDH-2 provides an appropriate instrument for the implementation of stated international human rights mandates as well as national legislation.

ICIDH-2 is used by a broad spectrum of users for different applications, for example social security, evaluation in managed health care, and population surveys at local, national and international levels. It offers a conceptual framework for information which is applicable to personal health care, including prevention, health promotion and the improvement of participation by removing or mitigating societal hindrances and encouraging the provision of social supports and facilitators. It is also useful for the study of health care systems, in terms of both evaluation and policy formulation.

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<sup>8</sup> Standard Rules on the Equalization of Opportunities for Persons with Disabilities, Adopted by the United Nations General Assembly at its 48th session on 20 December 1993 (resolution 48/96). New York, NY, United Nations Department of Public Information.

### 3. Properties of ICIDH-2

A classification should be clear about what it classifies: its universe, its scope, its unit of classification, its organization and how these elements are structured in terms of their relation to each other. The following sections explain these basic properties of ICIDH-2.

#### 3.1 Universe of ICIDH-2

ICIDH-2 encompasses all aspects of human functioning and disability. These are functional states associated with health conditions. ICIDH-2 does not cover the functional states that are not health related, such as those brought about by socio-economic factors independent of health conditions. For example, people may be restricted in their participation because of their race, gender, religion or other socio-economic categories, but these are not health related restrictions of participation as classified in ICIDH-2.

There is a widely held misunderstanding that ICIDH-2 is only about people with disabilities; in fact, it is about all people. The functional states associated with all health conditions at body, individual or society level can be described using ICIDH-2. In other words, ICIDH-2 has universal application.<sup>9</sup>

#### 3.2 Scope of ICIDH-2

ICIDH-2 provides a description of situations with regard to human functioning and disability and serves as a framework to organize information. It provides a structure to present this information in a meaningful, interrelated and easily accessible way.

ICIDH-2 organizes information according to three dimensions: (1) body level; (2) individual level; and (3) society level. These dimensions are named: Body functions and structure (B); Activities (A); and Participation (P). These dimensions contain various domains of body functions and structure, performances of activities, and involvement in life situations. Briefly these dimensions cover the following areas:

The Body dimension comprises two classifications, one for functions of body systems, and one for the body structure. The chapters of both classifications are organized according to the body systems.

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<sup>9</sup>Bickenbach JE, Chatterji S, Badley EM, Ustun TB (1999) Models of disablement, universalism and the ICIDH, *Social Science and Medicine*, 48:1173-1187.

The Activities dimension covers the complete range of activities performed by an individual. The chapters are organised from simple to complex activities.

The Participation dimension classifies areas of life in which an individual is involved, has access to, has societal opportunities or barriers. The domains are organized from simple to complex areas.

A list of environmental factors forms part of the classification. Environmental factors have an impact on all three dimensions and are organized from the individual's most immediate environment to the general environment.

The term "dimension" refers to levels of functioning, whereas "domains" denotes categories in each dimension. The ICIDH-2 dimensions are conceived as having two poles: At one end they can be used to indicate problems (e.g. impairment, activity limitation or participation restriction); at the other end they can indicate non-problematic (i.e. neutral and positive) aspects of functional states. "Functioning" is used as an umbrella term for the positive or neutral aspects of dimensions at body, individual and society level. "Disability" is used as an umbrella term for the problems in these dimensions.

The dimensions are distinct but parallel classifications; thus the B, A, and P dimensions can be used alone or in an interrelated manner to arrive at a more comprehensive evaluation. To infer an activity limitation from one or more impairments, or a participation restriction from one or more activity limitations may often seem reasonable. However, it is important to collect data independently on these dimensions and thereafter explore associations and causal links between them.

Functioning and disability are conceived as a dynamic interaction<sup>10</sup> between health conditions and contextual factors. Contextual factors include both personal and environmental factors. ICIDH-2 includes a comprehensive scheme of environmental factors as an essential "component" of the classification. As a component, these factors interact at all three dimensions. Although personal factors are also involved, they are not classified in ICIDH-2 because of the large social and cultural variance associated with them.

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<sup>10</sup> This interaction can be viewed as a process or a result depending on the user.

### **3.3 Unit of classification**

ICIDH-2 classifies functioning and disability from the perspective of an individual's life circumstances. The unit of classification is therefore the "domain" of functioning (the area where functioning or disability occurs). It is important to note, therefore, that in ICIDH-2 persons are not the units of classification; that is, ICIDH-2 does not classify people.

### **3.4 Presentation of ICIDH-2**

The three dimensions and the environmental factors in ICIDH-2 are presented in two versions in order to meet the needs of different users for varying levels of detail.

The first version is a *short (concise) version* which gives two levels of categories for each dimension or component. The second version is a *long (detailed) version* which provides all levels of classification and allows for 9999 categories per component. The long-version categories can be aggregated into the short version when summary information is required.

#### 4. Definitions of dimensions

IN THE CONTEXT of a HEALTH CONDITION:

**Body Functions** are the physiological or psychological functions of body systems.

**Body Structures** are anatomic parts of the body such as organs, limbs and their components.

**Impairments** are problems in body function or structure such as a significant deviation or loss.

**Activity** is the performance of a task or action by an individual.

**Activity Limitations** are difficulties an individual may have in the performance of activities.

**Participation** is an individual's involvement in life situations in relation to Health Conditions, Body Functions and Structure, Activities, and Contextual factors.

**Participation Restrictions** are problems an individual may have in the manner or extent of involvement in life situations.

A basic overview of these concepts is given in Table 1 and explained further in operational terms in section 5.1. As the table indicates:

- ICIDH-2 has three dimensions: Body Functions and Structure, Activity, and Participation.
- Contextual Factors are an integral component of the classification and consist of Environmental Factors and Personal Factors.
- Each dimension or component can be expressed in terms of both positive and negative aspects.
- Each dimension identifies domains that are classification “categories”. Functioning and disability are then recorded using qualifiers, which are numeric codes. The first qualifier for each dimension and component is a uniform one that specifies the extent or the magnitude of the functioning or disability in that category.
- The second qualifier is dimension-specific and is explained in the relevant sections of each dimension.

**Table 1. Overview of components of ICIDH-2**

	<b>Body Functions &amp; Structures</b>	<b>Activities</b>	<b>Participation</b>	<b>Contextual Factors<sup>11</sup></b>
<b>Level of Functioning</b>	Body ( <i>body parts</i> )	Individual ( <i>person as a whole</i> )	Society ( <i>life situations</i> )	Environmental Factors ( <i>external influence on functioning</i> ) + Personal Factors ( <i>internal influence on functioning</i> )
<b>Characteristics</b>	Body function Body structure	Performance of individual's activities	Involvement in life situations	Features of the physical, social, and attitudinal world + Attributes of the person
<b>Positive aspect (Functioning)</b>	Functional and structural integrity	Activity	Participation	Facilitators
<b>Negative aspect (Disability)</b>	Impairment	Activity limitation	Participation restriction	Barriers / hindrances
<b>Qualifiers:</b>	<i>Uniform Qualifier: Extent or Magnitude</i>			
<i>First Qualifier</i>				
<i>Second Qualifier</i>	Localization	Assistance	Subjective satisfaction (under development)	(under development)

<sup>11</sup> Contextual Factors are an essential component of the classification and interact with all three dimensions.

#### 4.1. Body Functions and Structure and Impairments

*Definitions:* **Body Functions** are the physiological or psychological functions of body systems.

**Body Structures** are anatomical parts of the body such as organs, limbs and their components.

**Impairments** are problems in body function or structure as a significant deviation or loss.

- (1) Body functions and body structures are classified in two different sections. These two classifications are designed to be parallel. For example, body functions include basic human senses such as “seeing functions” and their structural correlates exist in the form of “eye and related structures”.
- (2) “Body” refers to the human organism as a whole; hence it includes the brain and its functions, i.e. the mind. Therefore mental (or psychological) functions are subsumed under body functions.
- (3) Body functions and structure are classified along body systems; accordingly body structures are not considered as organs.<sup>12</sup>
- (4) Impairments of structure can involve an anomaly, defect, loss or other significant deviation in body structures. Impairments have been conceptualized in congruence with biological knowledge at the level of tissues or cells and at the subcellular or molecular level. However, for practical reasons these levels are not listed.<sup>13</sup> The biological foundations of impairments have guided the classification and there may be room for expanding the classification at cellular or molecular level. For medical users, it should be noted that impairments are not the same as the underlying pathology, but are the manifestations of that pathology.
- (5) Impairments represent a deviation from certain generally accepted population standards in the biomedical status of the body and its functions, and definition of their constituents is undertaken primarily by those qualified to judge physical and mental functioning according to these standards.
- (6) Impairments can be temporary or permanent; progressive, regressive or static; intermittent or continuous. The deviation from the norm may be slight or severe

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<sup>12</sup> Although organ level was mentioned in the 1980 version of ICIDH, the definition of an “organ” is not clear. The eye and ear are traditionally considered as organs; however, it is difficult to identify and define the boundaries of extremities and internal organs. Instead of an approach by “organ”, which implies the existence of an entity or unit within the body, ICIDH-2 replaces this term with “body structure”.

<sup>13</sup> Impairments should be detectable or noticeable by others or the person by direct observation or by inference from observation.

and may fluctuate over time. These characteristics are captured in further descriptions, mainly in the codes, by means of qualifiers after the decimal point.

- (7) Impairment is not contingent on etiology or how the state is developed; for example, loss of vision or a limb may arise from a genetic abnormality or an injury. The presence of an impairment necessarily implies a cause; however, the cause may not be sufficient to explain the resulting impairment. Also, when there is an impairment, there is a dysfunction in the body functions, but this may be related to any of the various diseases, disorders or physiological states.
- (8) Impairment is part of a health condition, but does not necessarily indicate that a disease is present or that the individual should be regarded as sick.
- (9) Impairments are broader and more inclusive in scope than disorders or diseases; for example, the loss of a leg is an impairment of body structure, but not a disorder or a disease.
- (10) Impairments may result in other impairments.
- (11) Some categories of the body functions and structure and the ICD-10 categories seem to overlap, particularly with regard to symptoms and signs. However, the purposes of the two classifications are different. ICD-10 classifies symptoms in a special chapter to document morbidity or service utilization, whereas ICIDH-2 shows them as part of the body functions. These may be used for prevention or identifying patients' needs. Most importantly, in ICIDH-2 the Body Functions and Structure classification is intended to be used along with the Activity and Participation categories.
- (12) Impairments are classified in categories using defined identification criteria (e.g. as present or absent according to a threshold level). These criteria are the same for functions and structure. They are: (a) loss or lack; (b) reduction; (c) addition or excess; and (d) deviation. Once an impairment is present, it may be scaled in terms of its severity using the uniform qualifier.

## 4.2 Activity/Activity Limitations

*Definition: Activity is the performance of a task or action by an individual.*

*Activity Limitations are difficulties an individual may have in the performance of activities.*

- (1) The Activity (A) dimension deals with an individual's activities associated with all aspects of human life; i.e. activities represent the integrated use of body functions, often in a purposeful manner, as performed in life tasks by the individual. In short, activity is what an individual does.
- (2) The A dimension gives a profile of an individual's functioning in terms of activities, from simple to complex ones (e.g. walking, obtaining food, or performing multiple tasks).
- (3) The A classification is a neutral list of activities. It can be used to denote "activity limitations" (formerly "disabilities" in ICIDH 1980) using qualifiers. Activity is limited when the individual, in the context of a health condition, either has difficulty performing the activity in an expected manner, or cannot perform it at all. The activity classification could also be used to record positive or neutral performance, as for example in performance assessments.
- (4) The A dimension deals with the actual performance of the individual; it does not refer to an aptitude, potential, capacity or what an individual might do. Performance means the execution of a task or activity. A key feature of the Activity code is that the actual limitation of performance is observed. Activity involves the performance of actions and task that are reportable and observable, either directly or indirectly.
- (5) Difficulties with activities can arise when there is a qualitative or quantitative alteration in the way in which these activities are carried out. Activity limitations are assessed against a generally accepted population standard, relative to cultural and social expectations.
- (6) The use of assistive devices or personal assistance does not eliminate the impairment but may remove limitations on activity in specific domains, whereas without the assistive devices, the individual's activity would be limited. Moreover, an individual with an impairment that affects normal activities (e.g. eating) may perform the required activity in an alternative manner (e.g. by means of tube feeding). The use of the first (uniform) and the second qualifiers will provide information on whether an activity was performed, with or without assistive device or personal assistance.
- (7) Some body functions (B) and basic activities (A) can be viewed at both body level and individual level. At the body level, they can be seen as complex body functions; at the individual level, however, they are more accurately seen as basic activities (e.g. higher-level cognitive function of organization and

planning is a body function, but planning daily routine is an individual level activity).

- (8) The Activity dimension refers to the performance of activities by an individual. The (A) dimension addresses the question “how does an individual actually do the activity?”. This differs from the Participation (P) dimension in that participation addresses involvement of the individual in a life area and in particular whether or not that involvement is restricted or facilitated by environmental factors. Activity Limitation denotes simply an individual level performance. For example, attending school is something a child does, so it is an *activity*; being allowed to attend and being included in all school activities, however, is a matter of *participation*.
- (9) The A dimension can be used in clinical assessment, functional tests, questionnaires or self-evaluation. Activity can be assessed in many contexts: personal, professional, behavioural, social policy, legal and others.

#### 4.3 Participation / Participation Restrictions

*Definition:* **Participation** is an individual’s involvement in life situations in relation to Health Conditions, Body Functions and Structures, Activities, and Contextual factors.

**Participation Restrictions** are problems an individual may have in the manner or extent of involvement in life situations.

- (1) The Participation (P) dimension codes societal circumstances regarding functioning of an individual in various life areas. It denotes the individual’s degree of involvement, including society’s response to the individual’s level of functioning. That response may be either to facilitate or to hinder participation in various domains. Involvement refers to the lived experience of people in the actual context in which they live. This context includes the environmental factors – all aspects of the physical, social and attitudinal world.
- (2) Participation may be characterized as the outcome or result of a complex relationship between an individual’s health condition and personal factors, and of the external factors that represent the circumstances in which the individual lives. Because of this relationship, different environments may have a very different impact on the same individual with impairments or activity limitations. An environment with barriers, or without facilitators, will restrict participation; other environments that are more facilitating may increase participation. Society hinders participation because either it creates barriers (e.g. inaccessible buildings) or it does not provide facilitators (e.g. unavailable assistive devices).

- (3) A restriction in participation can result directly from the social environment, even when the individual has no impairment or activity limitation. For example, an individual who is HIV- positive without any symptoms or disease, or someone with a genetic predisposition to a certain disease may exhibit no impairments or activity limitations, yet may be denied access to services or be stigmatized because of social attitudes.
- (4) Participation is involvement in life situations. Involvement may mean being included or engaged in an area of life, being accepted, or having access to needed resources. A second qualifier for these life areas is being developed to describe the subjective aspects of this dimension such as satisfaction, fulfilment and enjoyment.
- (5) Participation differs from the Activity dimension in that the core effect of the contextual factors involved in participation is at societal level. Participation answers the question “What is the lived experience of involvement of the individual with the health condition in societal context?” This question leads to two other questions; (a) How does the individual, given his or her health condition and functional status, become engaged in and take part in various life domains?; and (b) Do environmental factors facilitate or hinder the involvement of the individual in that particular domain? Identification of barriers and facilitators will assist in the development of interventions that aim at removing barriers or providing facilitators.
- (6) The differentiation between Activity and Participation is determined by the core definitions of these dimensions and not by the complexity of the function in question. For example, an individual may experience both activity limitations and participation restrictions in similar domains (e.g. mobility, interpersonal relations, or employment). The Activity code denotes the limitations in performance of that particular activity by that individual (describing merely whether the individual performs the particular activities). By contrast, the Participation code denotes the restrictions in participation resulting from the external factors, acting either as external hindrances or as lack of facilitation.
- (7) The standard or norm against which an individual’s participation is compared is that of an individual without disability in that particular society. The participation restriction records the discordance between the observed participation and the expected participation of an individual without a similar health condition.
- (8) A value is attached to restriction of participation (i.e. a participation restriction is a disadvantage). This value is dependent on cultural norms, so that an individual can be disadvantaged in one group or location and not in another place. As used in ICIDH-2, the notion of participation incorporates as an overarching, international standard that of the “equalization of opportunities” for persons with disabilities as formally adopted by the United Nations in its Standard Rules on the Equalization of Opportunities for Persons with Disabilities (see footnote 8).

- (9) “Handicap”, as formerly used, focused on seven scales which were defined as the most important groups of disadvantageous experience. It gave a summary measure of one’s disadvantage in relation to peers in accordance with the norms of society. The structure of the P dimension has evolved further to a “nominal” classification instead of summarizing only the most important domains. The new classification identifies the domains of societal involvement of the individual.
- (10) On the participation issue, individuals may be limited in terms of their access because of reasons other than health context (for example, religion, ethnic origin, social caste or class). The participation codes may equally be applied to these circumstances. However, the ICIDH-2 Participation dimension deals chiefly with the health context, reflecting the WHO Constitution’s broad conception of health as a fundamental human right - “a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity”.

#### **4.4 Contextual Factors**

Contextual Factors represent the complete background of an individual’s life and living. They include environmental factors and personal factors that may have an impact on the individual with a health condition and that individual’s functional state.

*Environmental Factors* make up the physical, social and attitudinal environment in which people live and conduct their lives. The factors are external to individuals and can have a positive or negative influence on the individual’s participation as a member of society, on performance of activities of the individual or on the individual’s body function or structure.

- (1) Environmental Factors are organized in the classification to focus on three different levels:
  - a. Individual* – in immediate personal environment of the individual, including but not limited to settings such as home, workplace and school. Includes the physical and material features of the environment that an individual comes face to face with as well as direct personal contact with others such as family, acquaintances, peers, and strangers.
  - b. Services* – formal and informal social structures and services in the community or local setting, that have an impact on individuals in their specific setting. Includes organizations and services related to the work environment, community activities, government agencies, communication and transportation services, and informal social networks.

c. *Systems* – the overarching approaches and systems established in a culture or subculture that set the pattern for the concrete individual and services levels. Includes laws, regulations and formal rules as well as informal rules and attitudes and ideologies.

(2) Environmental Factors interact with all dimensions of functioning and disability, namely Body Functions and Structure, Activity and Participation. At each level the nature and extent of interaction may be elaborated by future scientific work.

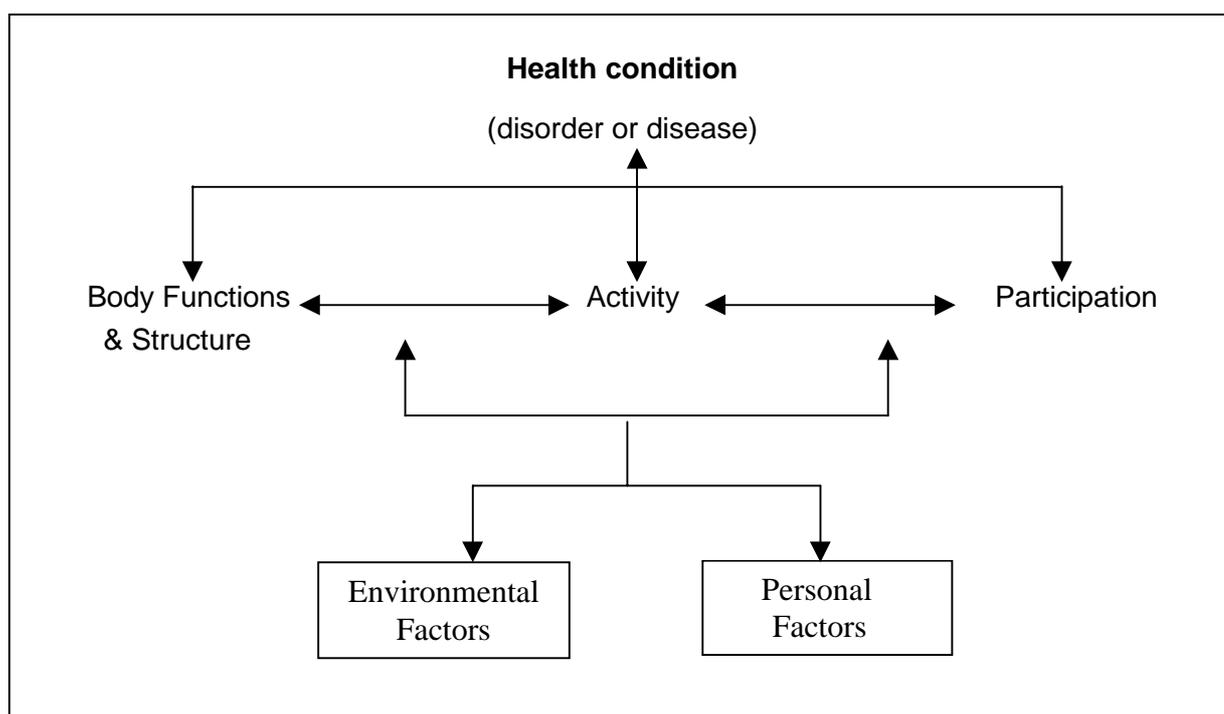
***Personal Factors*** are the individual background of an individual's life and living, composed of features of the individual that are not part of a health condition or functional state. These may include age, race, gender, educational background, experiences, personality and character style, aptitudes, other health conditions, fitness, lifestyle, habits, upbringing, coping styles, social background, profession and past and current experience. Personal factors are not classified in ICIDH-2. However, they are included in Figure 1 to show their contribution, which may have an impact on the outcome of various interventions.

## 5. Model of Functioning and Disability

### 5.1 Process of Functioning and Disability

As a classification, ICIDH-2 does not model the process of functioning and disability. However, it can be used to describe the process by providing the means to map the different dimensions and domains. ICIDH-2 provides a multi-perspective approach to the classification of functioning and disability as an interactive and evolutionary process. It provides the “building blocks” for users who wish to create models and study different aspects of this process. ICIDH-2 is a language: the texts that can be created with it depend on the users, their creativity and their scientific orientation. In order to better visualize the current understanding of interaction of various components the diagram presented in Figure 1 may be helpful.<sup>14</sup>

**Figure 1: Current understanding of interactions between the dimensions of ICIDH-2**



<sup>14</sup> ICIDH-2 differs substantially from ICIDH 1980 in the depiction of the interrelations between dimensions of functioning and disability. It should be noted that any diagram is likely to be incomplete and prone to misrepresentation because of the complexity of interactions in a multidimensional model. The model is drawn to illustrate the multiple interactions. Other depictions indicating other important foci in the process are certainly possible. Interpretation of interactions between different components and dimensions may also vary (e.g. the impact of environmental factors on body functions certainly differs from their impact on participation).

According to this diagram:

- Functioning and disability are seen as an interaction or complex relationship between the health condition and the contextual factors (i.e. environmental and personal factors). There is a dynamic interaction among these factors: interventions at one element level have the potential to modify other related elements. The interactions are specific and not always in a predictable one-to-one relationship to each other. The dimensions refer to an individual's state of functioning and disability.
- The interaction works in two directions; even the presence of a disability may modify the health condition itself. One may :
  - have impairments without having activity limitations (e.g. a disfigurement in leprosy may have no activity limitations);
  - have activity limitations without evident impairments (e.g. poor performance in daily activities associated with many diseases);
  - have participation problems without impairments or activity limitations (e.g. an HIV-positive individual, or an ex-patient recovered from mental illness facing stigma);
  - have activity limitations with no participation problem (e.g. an individual with mobility limitations may be provided by society with alternative ways of moving around to participate in important life situations);
  - experience a degree of influence in a reverse direction (e.g. inactivity of limbs can cause muscle atrophy; institutionalization may result in loss of social skills).

Case examples in Appendix 5 further illustrate possibilities of interactions between the dimensions.

- The scheme shown in Figure 1 demonstrates the potential role that contextual factors play in the process. These factors interact with the individual with a health condition and determine the level and extent of the individual's functioning. Environmental factors are extrinsic to (outside of) the individual (e.g. the attitudes of the society, architectural characteristics, the legal system) and are classified in the classification. Personal factors, on the other hand, are not classified in the current version of ICIDH-2. Their assessment is left to the user, if needed. They may include: gender, age, other health conditions, fitness, lifestyle, habits, upbringing, coping styles, social background, education, profession, past and current experience (past life events and concurrent events), overall behaviour pattern and character style, individual psychological assets and other characteristics, all or any of which may play a role in disability at any level.

## 5.2 Medical and social models

A variety of conceptual models<sup>15</sup> has been proposed to understand and explain disability and functioning. These may be expressed in a dialectic of “medical model” versus “social model”. The *medical model* views disability as a personal problem, directly caused by disease, trauma or other health condition, which requires medical care provided in the form of individual treatment by professionals. Management of the disability is aimed at cure or the individual’s adjustment and behaviour change. Medical care is viewed as the main issue, and at the political level the principal response is that of modifying or reforming health care policy. The *social model* of disability, on the other hand, sees the issue mainly as a socially created problem, and principally as a matter of the full integration of individuals into society. Disability is not an attribute of an individual, but rather a complex collection of conditions, many of which are created by the social environment. Hence the management of the problem requires social action, and it is the collective responsibility of society at large to make the environmental modifications necessary for the full participation of people with disabilities in all areas of social life. The issue is therefore an attitudinal or ideological one requiring social change, which at political level becomes a question of human rights. Disability becomes, in short, a political issue.

ICIDH-2 is based on an integration of these two extreme models. In order to capture the integration of the various dimensions of functioning, a “biopsychosocial” approach is used. Thus, ICIDH-2 attempts to achieve a synthesis thereby providing a coherent view of different dimensions of health at biological, individual and social levels.<sup>16</sup>

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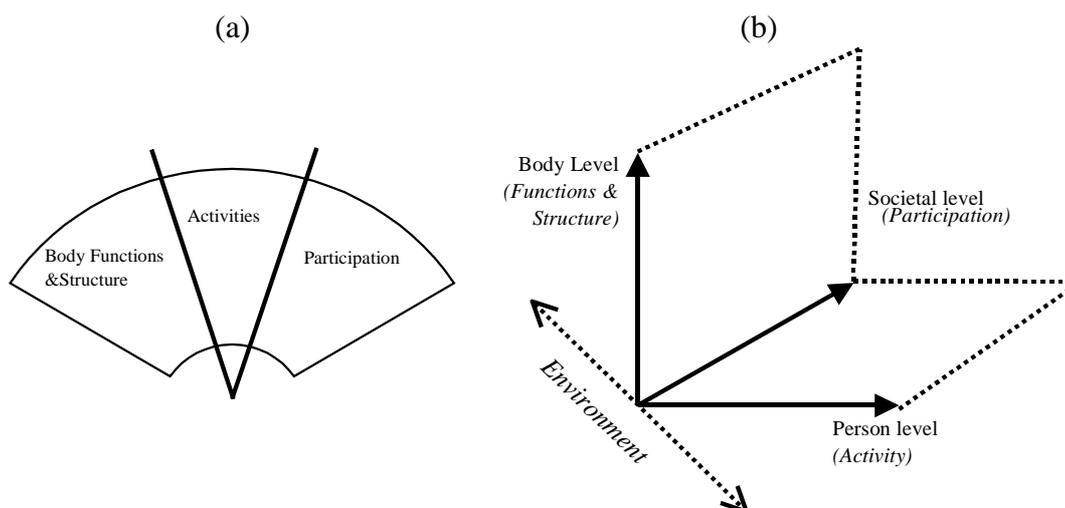
<sup>15</sup> The term “model” here means construct or paradigm, which differs from the use of the term in the previous section.

<sup>16</sup> See also Appendix 4 - ICIDH and people with disabilities

### 5.3 Conception of different dimensions of functioning: continuum or multiple dimensions?

It is possible to conceive the dimensions of functioning and disability as a continuum (Figure 2(a)) or as a multidimensional co-existence (figure 2(b)).

**Figure 2: Different conceptualizations of the dimensions of functioning and disability**



In a continuum approach, boundaries need to be drawn between Body Functions, Activities and Participation. For example, a function should only be in one dimension. A multidimensional approach, however, allows various functions be viewed in different dimensions at the same time. For example, a state can be seen as a composite of body functions, activities and participation at the same time. Since the nature of functions within each dimension of B, A, P are different, multidimensional approach is preferred in ICIDH-2. For example, an individual may have difficulties with memory, experience activity limitations in learning new things, and have limited participation in areas of life that require learning.

## 6. Use of the ICIDH-2

ICIDH-2 is a classification of human functioning and disability. It is systematically arranged according to dimensions at body, individual and society levels. At each level domains are grouped according to their common characteristics (such as their origin, type, or similarity) and ordered in a meaningful way. The classification has been organized according to a set of principles (see Appendix 3). These principles refer to the interrelatedness of the dimensions and the hierarchy of the classification (sets of levels). However, some categories in ICIDH-2 are arranged in a non-hierarchical manner, with no ordering but as equal members of a branch.

The following are structural features of the classification that have a bearing on its use.

- (1) ICIDH-2 uses an alphanumeric system whereby the letters b, s, a, p and e denote the components Body Functions, Body Structures, Activities, Participation and Environmental Factors. These letters are followed by a numeric code that starts with the chapter number (1 digit), followed by the second level (2 digits), and the third and fourth levels (1 digit each).
- (2) The short (concise) version has two levels. The full (detailed) version cover four levels. Both short version and full version codes are in correspondence i.e. the short version can be aggregated from the full version.
- (3) Any individual may have a range of codes in each dimension. These may be independent or interrelated.
- (4) The coding also allows for the addition of one or two numbers after a decimal point, which provide additional information. These additional places are called "qualifiers". Use of any code should be accompanied by at least one qualifier. Without qualifiers codes have no meaning when used for individuals or cases.
- (5) A Uniform Qualifier has been developed to describe the extent or magnitude of the problem in that dimension. This is to be used as the first qualifier. It can be used for the three dimensions and Environmental Factors.
- (6) According to this uniform qualifier, all dimensions (B, A, P) and E component are coded in the same manner. Having a problem may mean an impairment, limitation, restriction or barrier depending on the dimension. Appropriate qualifying words as shown in brackets below should be chosen according to the relevant classification domain:

<b>xxx.0</b> NO problem	(none, absent, negligible...)	0-4 %
<b>xxx.1</b> MILD problem	(slight, low...)	5-24 %
<b>xxx.2</b> MODERATE problem	(medium, fair...)	25-49 %
<b>xxx.3</b> SEVERE problem	(high, extreme, ...)	50-95 %
<b>xxx.4</b> COMPLETE problem	(total...)	96-100 %
<b>xxx.8</b> not specified		
<b>xxx.9</b> not applicable		

The quantification of each qualifier as a universal scale has to be developed through assessment procedures using research. Broad ranges of percentages are provided for those cases in which calibrated assessment instruments or other standards are available to quantify the impairment, limitation, restriction or barrier.

- (7) In the case of Environmental Factors, this first qualifier can also be used to denote the extent of positive aspects of the environment, namely facilitators. To denote facilitators, the same 0-4 scale can be used, but the decimal point is replaced with a plus sign: e.g. e110+2.
- (8) Second Qualifiers: For different users, it might be appropriate and helpful to add other kinds of information to the coding of each item. There are a variety of potential second qualifiers that could be useful. Table 2 sets out the details of the uniform qualifier for each dimension and Environmental Factors as well as suggested second qualifiers to be developed.

Users are strongly recommended to obtain training in the use of the classification through WHO and its network of Collaborating Centres.

**Table 2. Qualifiers**

<b>Dimension</b>	<b>First qualifier</b>	<b>Second qualifier</b>
<b>Body Functions (b)</b>	<p>Uniform qualifier with the negative scale used to indicate the extent or magnitude of an impairment</p> <p><i>Example: b175.3 to indicate a severe impairment in specific mental functions of language</i></p>	<p>To be developed to indicate duration, growth and development</p>
<b>Body Structure (s)</b>	<p>Uniform qualifier with the negative scale used to indicate the extent or magnitude of an impairment</p> <p><i>Example: s730.4 to indicate the total absence of the upper extremity</i></p>	<p>To be developed to indicate region.</p> <p>Suggested scheme:</p> <ul style="list-style-type: none"> <li>0 = more than one region</li> <li>1 = right</li> <li>2 = left</li> <li>3 = both sides</li> <li>4 = front</li> <li>5 = back</li> <li>6 = proximal</li> <li>7 = distal</li> <li>8 = not specified</li> <li>9 = not applicable</li> </ul> <p><i>Example: s730.41 to indicate the total absence of the right upper extremity</i></p>
<b>Activity (a)</b>	<p>Uniform qualifier with the negative scale used to indicate degree of difficulty in accomplishing an activity. If only the first qualifier is used, it implies the level of difficulty without the use of assistive devices or personal help. If the first qualifier is used in conjunction with the second qualifier then the first qualifier now implies that this is the level of difficulty using an assistive device or personal help.</p>	<p>Assistance</p> <ul style="list-style-type: none"> <li>0 = no assistance used</li> <li>1 = non-personal assistance (this includes use of assistive devices, technical aids, adaptations, prostheses, wheelchair, cane and other material help)</li> <li>2 = personal assistance (where the task is carried out with the "help" of</li> </ul>

	<p><i>Example: a5101.2 to indicate moderate difficulty with bathing the whole body and implies that there is moderate difficulty without the use of assistive devices or personal help</i></p>	<p>another individual, where “help” includes supervision and cuing as well as physical help)</p> <p>3 = both non-personal and personal assistance</p> <p>9 = level of assistance unknown</p> <p><i>Example: a5101.11 to indicate mild difficulty with bathing the whole body with the use of assistive devices</i></p>
<p><b>Participation (p)</b></p>	<p>Uniform qualifier with the negative scale used to indicate the degree of restriction experienced in Participation. Reference point is the <i>UN Standard Rules on the Equalization of Opportunities for Persons with Disabilities</i>.</p> <p><i>Example: p730.4 to indicate a total restriction of Participation in remunerative employment</i></p>	<p>To be developed possibly to denote subjective satisfaction</p>
<p><b>Environmental Factors (e)</b></p>	<p>Uniform qualifier, with negative and positive scale to denote extent of barriers and facilitators respectively</p> <p><i>Example: e145.2 to indicate that products for education are a moderate barrier. Conversely, e145+2 would indicate that products for education are a moderate facilitator</i></p>	<p>To be developed</p>

**ICIDH-2 BETA-2 DRAFT**

**B. One Level Classification**

(Includes list of Chapter headings within the classification)



## **BODY FUNCTIONS**

- CHAPTER 1 MENTAL FUNCTIONS
- CHAPTER 2 SENSORY FUNCTIONS
- CHAPTER 3 VOICE AND SPEECH FUNCTIONS
- CHAPTER 4 FUNCTIONS OF THE CARDIOVASCULAR, HAEMATOLOGICAL, IMMUNOLOGICAL AND RESPIRATORY SYSTEMS
- CHAPTER 5 FUNCTIONS OF THE DIGESTIVE, METABOLIC, ENDOCRINE SYSTEMS
- CHAPTER 6 GENITOURINARY AND REPRODUCTIVE FUNCTIONS
- CHAPTER 7 NEUROMUSCULOSKELETAL AND MOVEMENT RELATED FUNCTIONS
- CHAPTER 8 FUNCTIONS OF THE SKIN AND RELATED STRUCTURES

## **BODY STRUCTURE**

- CHAPTER 1 STRUCTURE OF THE NERVOUS SYSTEM
- CHAPTER 2 THE EYE, EAR AND RELATED STRUCTURES
- CHAPTER 3 STRUCTURES INVOLVED IN VOICE AND SPEECH
- CHAPTER 4 STRUCTURE OF THE CARDIOVASCULAR, IMMUNOLOGICAL AND RESPIRATORY SYSTEMS
- CHAPTER 5 STRUCTURES RELATED TO THE DIGESTIVE, METABOLISM AND ENDOCRINE SYSTEMS
- CHAPTER 6 STRUCTURE RELATED TO GENITOURINARY SYSTEM
- CHAPTER 7 STRUCTURE RELATED TO MOVEMENT
- CHAPTER 8 SKIN AND RELATED STRUCTURES

## **ACTIVITIES**

CHAPTER 1 ACTIVITIES OF LEARNING AND APPLYING KNOWLEDGE

CHAPTER 2 COMMUNICATION ACTIVITIES

CHAPTER 3 MOVEMENT ACTIVITIES

CHAPTER 4 ACTIVITIES OF MOVING AROUND

CHAPTER 5 SELF CARE ACTIVITIES

CHAPTER 6 DOMESTIC ACTIVITIES

CHAPTER 7 INTERPERSONAL ACTIVITIES

CHAPTER 8 PERFORMING TASKS AND MAJOR LIFE ACTIVITIES

## **PARTICIPATION**

CHAPTER 1 PARTICIPATION IN PERSONAL MAINTENANCE

CHAPTER 2 PARTICIPATION IN MOBILITY

CHAPTER 3 PARTICIPATION IN EXCHANGE OF INFORMATION

CHAPTER 4 PARTICIPATION IN SOCIAL RELATIONSHIPS

CHAPTER 5 PARTICIPATION IN HOME LIFE AND ASSISTANCE TO OTHERS

CHAPTER 6 PARTICIPATION IN EDUCATION

CHAPTER 7 PARTICIPATION IN WORK AND EMPLOYMENT

CHAPTER 8 PARTICIPATION IN ECONOMIC LIFE

CHAPTER 9 PARTICIPATION IN COMMUNITY, SOCIAL AND CIVIC LIFE

## **ENVIRONMENTAL FACTORS**

CHAPTER 1 PRODUCTS AND TECHNOLOGY

CHAPTER 2 NATURAL ENVIRONMENT AND HUMAN MADE CHANGES TO ENVIRONMENT

CHAPTER 3 SUPPORT AND RELATIONSHIPS

CHAPTER 4 ATTITUDES, VALUES AND BELIEFS

CHAPTER 5 SERVICES

CHAPTER 6 SYSTEMS AND POLICIES

**ICIDH-2 BETA-2 DRAFT**

**C. Two Level Classification**

(Includes list of Chapter headings and first branching level within the classification)



**BODY FUNCTIONS****CHAPTER 1 MENTAL FUNCTIONS**

## GLOBAL MENTAL FUNCTIONS (b110-b139)

- b110 Consciousness functions
- b115 Orientation functions
- b120 Intellectual functions
- b125 Temperament and personality functions
- b130 Energy and drive functions
- b135 Sleep functions
- b139 Other specified and unspecified general mental functions

## SPECIFIC MENTAL FUNCTIONS (b140-b189)

- b140 Attention functions
- b145 Memory functions
- b150 Psychomotor functions
- b155 Emotional functions
- b160 Perceptual functions
- b165 Thought functions
- b170 Higher level cognitive functions
- b175 Specific mental functions of language
- b180 Calculation functions
- b185 Mental function of sequencing complex movements
- b189 Other specified and unspecified 'specific mental functions'
- b198 Other specific mental functions
- b199 Unspecified mental functions

**CHAPTER 2 SENSORY FUNCTIONS**

## SEEING AND RELATED FUNCTIONS (b210-b139)

- b210 Seeing functions
- b215 Functions of structures adjoining the eye
- b220 Sensations associated with eye and adjoining structures
- b229 Other specified and unspecified seeing and related functions

## HEARING AND VESTIBULAR FUNCTIONS (b230-b249)

- b230 Hearing functions
- b235 Vestibular function
- b240 Sensations associated with hearing and vestibular function
- b249 Other specified and unspecified hearing and vestibular functions

## ADDITIONAL SENSORY FUNCTIONS (b250-b279)

- b250 Taste function
- b255 Smell function
- b260 Proprioceptive function
- b265 Touch function
- b270 Sensory functions related to temperature and other stimuli
- b275 Sensation of pain
- b279 Other specified and unspecified additional sensory functions
- b298 Other specified sensory functions
- b299 Unspecified sensory functions

**CHAPTER 3 VOICE AND SPEECH FUNCTIONS**

- b310 Voice functions
- b320 Articulation functions
- b330 Fluency and rhythm of speech functions
- b340 Alternative vocalization functions
- b398 Other specified voice and speech functions
- b399 Unspecified voice and speech functions

**CHAPTER 4 FUNCTIONS OF THE CARDIOVASCULAR, HAEMATOLOGICAL, IMMUNOLOGICAL AND RESPIRATORY SYSTEMS**

## FUNCTIONS OF THE CARDIOVASCULAR SYSTEM (b410-b429)

- b410 Heart functions
- b415 Blood vessel functions
- b420 Blood pressure functions
- b429 Other specified and unspecified functions of the cardiovascular system

## FUNCTIONS OF THE HAEMATOLOGICAL AND IMMUNOLOGICAL SYSTEMS (b430-b439)

- b430 Haematological system functions
- b435 Immunological system functions
- b439 Other specified and unspecified functions of the haematological and immunological systems

## FUNCTIONS OF THE RESPIRATORY SYSTEM (b440-b449)

- b440 Respiration functions
- b445 Respiratory muscles functions
- b449 Other specified and unspecified functions of the respiratory system

## ADDITIONAL FUNCTIONS AND SENSATIONS OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS (b450-b469)

- b450 Additional respiratory functions
- b455 Exercise tolerance functions
- b460 Sensations associated with cardiovascular and respiratory functions
- b469 Other specified and unspecified additional functions and sensations of the cardiovascular and respiratory systems
- b498 Other specified functions of the cardiovascular, haematological, immunological and respiratory systems
- b499 Unspecified functions of the cardiovascular, haematological, immunological cardiovascular and respiratory systems

**CHAPTER 5 FUNCTIONS OF THE DIGESTIVE, METABOLIC, ENDOCRINE SYSTEMS**

## FUNCTIONS RELATED TO THE DIGESTION SYSTEM (b510-b569)

- b510 Ingestion functions
- b515 Digestive functions
- b520 Assimilation functions
- b525 Defecation functions
- b530 Weight maintenance functions
- b535 Sensations associated with the digestive system
- b539 Other specified and unspecified functions related to the digestive system

**FUNCTIONS RELATED TO METABOLISM AND THE ENDOCRINE SYSTEM (b570-b559)**

- b540 General metabolic functions
- b545 Water, mineral and electrolyte balance functions
- b550 Thermoregulatory functions
- b555 Endocrine glands functions
- b559 Other specified and unspecified functions related to metabolism and the endocrine system
- b598 Other specified functions of the digestive, metabolic and endocrine systems
- b599 Unspecified functions of the digestive, metabolic and endocrine systems

**CHAPTER 6 GENITOURINARY AND REPRODUCTIVE FUNCTIONS****URINARY FUNCTIONS (b610-b639)**

- b610 Urinary excretory functions
- b620 Urination functions
- b630 Sensations associated with urinary functions
- b639 Other specified and unspecified urinary functions

**GENITAL AND REPRODUCTIVE FUNCTIONS (b640-b679)**

- b640 Sexual functions
- b650 Menstruation functions
- b660 Procreation functions
- b670 Sensations associated with genital and reproductive functions
- b679 Other specified and unspecified genital and reproductive functions
- b698 Other specified genitourinary and reproductive functions
- b699 Unspecified genitourinary and reproductive functions

**CHAPTER 7 NEUROMUSCULOSKELETAL AND MOVEMENT RELATED FUNCTIONS****FUNCTIONS OF THE JOINTS AND BONES (b710-b729)**

- b710 Mobility of joints functions
- b715 Stability of joints functions
- b720 Mobility of bones functions
- b729 Other specified and unspecified functions of the joints and bones

**MUSCLE FUNCTIONS (b730-b749)**

- b730 Muscle power functions
- b735 Muscle tone functions
- b740 Muscle endurance functions
- b749 Other specified and unspecified muscle functions

**MOVEMENT FUNCTIONS (b750-b779)**

- b750 Motor reflex functions
- b755 Involuntary movement reactions functions
- b760 Control of voluntary movements functions
- b765 Involuntary movements functions
- b770 Gait pattern functions
- b779 Other specified and unspecified movement functions
- b780 Sensations related to muscles and movement functions
- b798 Other specified neuromusculoskeletal and movement related functions

- b799 Unspecified neuromusculoskeletal and movement related functions

**CHAPTER 8 FUNCTIONS OF THE SKIN AND RELATED STRUCTURES****FUNCTIONS OF THE SKIN (b810-b849)**

- b810 Protective functions of the skin
- b820 Repair functions of the skin
- b830 Other functions of the skin
- b840 Sensation related to the skin
- b849 Other specified and unspecified functions of the skin

**FUNCTIONS OF THE HAIR AND NAILS (b850-b869)**

- b850 Functions of hair
- b860 Functions of nails
- b869 Other specified and unspecified functions of the hair and nails
- b898 Other specified functions of the skin and related structures
- b899 Unspecified functions of the skin and related structures

**BODY STRUCTURE****CHAPTER 1 STRUCTURE OF THE NERVOUS SYSTEM**

- s110 Structure of brain
- s120 Spinal cord and related structures
- s130 Structure of meninges
- s140 Structure of sympathetic nervous system
- s150 Structure of parasympathetic nervous system
- s198 Other specified structure of the nervous system
- s199 Unspecified structure of the nervous system

**CHAPTER 2 THE EYE, EAR AND RELATED STRUCTURES**

- s210 Structure of eye socket
- s220 Structure of the eyeball
- s230 Structures around the eye
- s240 Structure of the external ear
- s250 Structure of the middle ear
- s260 Structure of the inner ear
- s298 Other specified eye, ear and related structures
- s299 Unspecified eye, ear and related structures

**CHAPTER 3 STRUCTURES INVOLVED IN VOICE AND SPEECH**

- s310 Structure of the nose
- s320 Structure of the mouth
- s330 Structure of the pharynx
- s340 Structure of larynx
- s398 Other specified structures involved in voice and speech
- s399 Unspecified structures involved in voice and speech

**CHAPTER 4 STRUCTURE OF THE CARDIOVASCULAR, IMMUNOLOGICAL AND RESPIRATORY SYSTEMS**

- s410 Structure of cardiovascular system
- s420 Structure of immune system
- s430 Structure of respiratory system
- s498 Other specified structures of the cardiovascular, immunological and respiratory systems
- s499 Unspecified structures of the cardiovascular, immunological and respiratory systems

**CHAPTER 5 STRUCTURES RELATED TO THE DIGESTIVE, METABOLISM AND ENDOCRINE SYSTEMS**

- s510 Structure of salivary glands
- s520 Structure of oesophagus
- s530 Structure of stomach
- s540 Structure of intestine
- s550 Structure of pancreas
- s560 Structure of liver
- s570 Structure of gall bladder and ducts
- s580 Structure of endocrinological glands

- s598 Other specified structures related to the digestive, metabolism and endocrine systems
- s599 Unspecified structures related to the digestive, metabolism and endocrine systems

**CHAPTER 6 STRUCTURE RELATED TO GENITOURINARY SYSTEM**

- s610 Structure of urinary system
- s620 Structure of pelvic floor
- s630 Structure of reproductive system
- s698 Other specified structures related to genitourinary system
- s699 Unspecified structures related to genitourinary system

**CHAPTER 7 STRUCTURE RELATED TO MOVEMENT**

- s710 Structure of head and neck region
- s720 Structure of shoulder region
- s730 Structure of upper extremity
- s740 Structure of pelvic region
- s750 Structure of lower extremity
- s760 Structure of trunk
- s770 Additional musculoskeletal structure related to movement
- s798 Other specified structures related to movement
- s799 Unspecified structures related to movement

**CHAPTER 8 SKIN AND RELATED STRUCTURES**

- s810 Structure of areas of skin
- s820 Structure of skin glands
- s830 Structure of nails
- s840 Structure of hair
- s898 Other specified skin and related structures
- s899 Unspecified skin and related structures

**ACTIVITIES****CHAPTER 1 ACTIVITIES OF LEARNING AND APPLYING KNOWLEDGE**

## LEARNING ACTIVITIES (a110-a139)

- a110 Purposeful sensory activities
- a115 Basic learning activities
- a120 Activities of learning to read
- a125 Activities of learning to write
- a130 Activities of learning to calculate
- a135 Activities of acquiring skills
- a139 Other specified and unspecified learning activities

## ACTIVITIES OF APPLYING KNOWLEDGE (a140-a159)

- a140 Thinking activities
- a145 Problem solving activities
- a150 Decision making activities
- a159 Other specified and unspecified activities of applying knowledge
- a198 Other specified activities of learning and applying knowledge
- a199 Unspecified activities of learning and applying knowledge

**CHAPTER 2 COMMUNICATION ACTIVITIES**

## ACTIVITIES OF UNDERSTANDING MESSAGES (a210-a229)

- a210 Activities of understanding spoken messages
- a215 Activities of understanding messages in formal sign language
- a220 Activities of understanding non-verbal messages
- a225 Activities of understanding written messages (reading)
- a229 Other specified and unspecified activities of understanding messages

## ACTIVITIES OF PRODUCING MESSAGES (a230-a249)

- a230 Activities of producing spoken messages (speaking)
- a235 Activities of producing messages in formal sign language
- a240 Activities of producing non-verbal messages
- a245 Activities of producing written messages (writing)
- a249 Other specified and unspecified activities of producing messages

## CONVERSATION ACTIVITIES AND USE OF COMMUNICATION DEVICES AND TECHNIQUES (a250-a259)

- a250 Conversation activities
- a255 Activities of using communication devices and techniques
- a259 Other specified and unspecified conversation activities and use of communication devices and techniques
- a298 Other specified communication activities
- a299 Unspecified communication activities

**CHAPTER 3 MOVEMENT ACTIVITIES**

## ACTIVITIES OF MAINTAINING AND CHANGING BODY POSITION (a310-a339)

- a310 Activities of maintaining a body position

- a320 Activities of changing body position
- a330 Activities of transferring oneself
- a339 Other specified and unspecified activities of maintaining and changing body position

## ACTIVITIES OF CARRYING, MOVING AND MANIPULATING OBJECTS (a340-a379)

- a340 Lifting and carrying activities
- a350 Activities of moving objects with lower extremities
- a360 Activities of fine hand use
- a370 Activities of hand and arm use
- a379 Other specified and unspecified activities of carrying, moving and manipulating objects
- a398 Other specified movement activities
- a399 Unspecified movement activities

**CHAPTER 4 ACTIVITIES OF MOVING AROUND**

## WALKING AND RELATED ACTIVITIES (a410-a439)

- a410 Walking activities
- a420 Other moving around activities
- a430 Activities of moving around using equipment
- a439 Other specified and unspecified walking and related activities

## ACTIVITIES OF MOVING AROUND USING TRANSPORTATION (a440-a459)

- a440 Activities of using transportation as a passenger
- a450 Activities of using transportation as a driver
- a459 Other specified and unspecified activities of moving around using transportation
- a498 Other specified activities of moving around
- a499 Unspecified activities of moving around

**CHAPTER 5 SELF CARE ACTIVITIES**

- a510 Activities of washing and drying oneself
- a520 Activities of caring for body parts
- a530 Activities related to toileting
- a540 Activities related to menstruation
- a550 Dressing activities
- a560 Activities of eating
- a570 Activities of drinking
- a580 Activities of looking after one's health
- a598 Other specified self care activities
- a599 Unspecified self care activities

**CHAPTER 6 DOMESTIC ACTIVITIES**

## ACTIVITIES OF ACQUIRING NECESSITIES (a610-a629)

- a610 Activities of acquiring a place to live
- a620 Activities of acquiring daily necessities
- a629 Other specified and unspecified activities of acquiring necessities

## HOUSEHOLD ACTIVITIES (a630-a649)

- a630 Activities for preparation of meals
- a640 Housework activities
- a649 Other specified and unspecified household activities

## ACTIVITIES OF CARING FOR POSSESSIONS AND ASSISTING OTHERS (a650-a669)

- a650 Activities of caring for possessions

- a660 Activities of assisting others
- a669 Other specified and unspecified activities of caring for possessions and assisting others
- a698 Other specified domestic activities
- a699 Unspecified domestic activities

#### **CHAPTER 7 INTERPERSONAL ACTIVITIES**

##### GENERAL INTERPERSONAL ACTIVITIES (a710-a729)

- a710 Basic interpersonal activities
- a720 Complex interpersonal activities
- a729 Other specified and unspecified general interpersonal activities

##### PARTICULAR INTERPERSONAL ACTIVITIES (a730-a769)

- a730 Activities of initiating interaction
- a740 Activities of maintaining interaction
- a750 Activities of terminating interactions
- a760 Activities of engaging in physical intimacy
- a769 Other specified and unspecified particular interpersonal activities
- a798 Other specified interpersonal activities
- a799 Unspecified interpersonal activities

#### **CHAPTER 8 PERFORMING TASKS AND MAJOR LIFE ACTIVITIES**

##### GENERAL TASK AND PERFORMANCE DEMAND ACTIVITIES (a810-a839)

- a810 Activities of performing a task
- a815 Activities of performing multiple tasks
- a820 Activities of organising daily routine
- a825 Activities of sustaining task performance
- a830 Activities of handling stress and other psychological demands
- a839 Other specified and unspecified general tasks and demands

##### ACTIVITIES OF PERFORMING IN MAJOR LIFE SITUATIONS (a840-a879)

- a840 Activities of performing in work
- a845 Activities of performing in school
- a850 Activities of using money and finance
- a855 Activities for performance in recreation
- a860 Activities of religious or spiritual pursuits
- a865 Activities of responding to unusual situations
- a879 Other specified and unspecified activities of performing in major life situations
- a898 Other specified activities of performing tasks and major life activities
- a899 Unspecified activities of performing tasks and major life activities

**PARTICIPATION****CHAPTER 1 PARTICIPATION IN PERSONAL MAINTENANCE**

- p110 Participation in personal care
- p120 Participation in nutrition
- p130 Participation in necessities for oneself
- p140 Participation in health
- p198 Other specified participation in personal maintenance
- p199 Unspecified participation in personal maintenance

**CHAPTER 2 PARTICIPATION IN MOBILITY**

- p210 Participation in mobility within the home
- p220 Participation in mobility within buildings other than home
- p230 Participation in mobility outside the home and other buildings
- p240 Participation in mobility with transportation
- p298 Other specified participation in mobility
- p299 Unspecified participation in mobility

**CHAPTER 3 PARTICIPATION IN EXCHANGE OF INFORMATION**

- p310 Participation in spoken exchange of information
- p320 Participation in written exchange of information
- p330 Participation in exchange of information using formal sign language
- p340 Participation in non-verbal exchange of information
- p350 Participation in exchange of information by means of communication devices and technologies
- p398 Other specified participation in exchange of information
- p399 Unspecified participation in exchange in information

**CHAPTER 4 PARTICIPATION IN SOCIAL RELATIONSHIPS**

- p410 Participation in family relationships
- p420 Participation in intimate relationships
- p430 Participation in informal social relationships
- p440 Participation in formal relationships
- p498 Other specified participation in social relationships
- p499 Unspecified participation in social relationships

**CHAPTER 5 PARTICIPATION IN HOME LIFE AND ASSISTANCE TO OTHERS**

- p510 Participation in housing for self and others
- p520 Participation in management of the home and possessions
- p530 Participation in caring for others
- p540 Participation in nutrition for others
- p550 Participation in health maintenance for others
- p560 Participation in mobility and transportation for others
- p598 Other specified participation in home life and assistance to others

- p599 Unspecified participation in home life and assistance to others

**CHAPTER 6 PARTICIPATION IN EDUCATION**

- p610 Participation in education in informal settings
- p620 Participation in education prior to primary school
- p630 Participation in education in school
- p640 Participation in vocational training
- p650 Participation in higher education
- p698 Other specified participation in education
- p699 Unspecified participation in education

**CHAPTER 7 PARTICIPATION IN WORK AND EMPLOYMENT**

- p710 Participation in work preparation
- p720 Participation in self-employment
- p730 Participation in remunerative employment
- p740 Participation in non-remunerative work
- p798 Other specified participation in work and employment
- p799 Unspecified participation in work and employment

**CHAPTER 8 PARTICIPATION IN ECONOMIC LIFE**

- p810 Participation in basic economic transactions
- p820 Participation in complex economic transactions
- p830 Participation in economic self-sufficiency
- p898 Other specified participation in economic life
- p899 Unspecified participation in economic life

**CHAPTER 9 PARTICIPATION IN COMMUNITY, SOCIAL AND CIVIC LIFE**

- p910 Participation in community
- p920 Participation in recreation and leisure
- p930 Participation in religion and spirituality
- p940 Participation in human rights
- p950 Participation in citizenship
- p998 Other specified participation in community, social and civic life
- p999 Unspecified participation in community, social and civic life

**ENVIRONMENTAL FACTORS****CHAPTER 1 PRODUCTS AND TECHNOLOGY**

- e110 Products or substances for personal consumption
- e115 Products for personal use in daily living
- e120 Assets
- e125 Products of architecture, building and construction
- e130 Products of land development
- e135 Products for communication
- e140 Products for personal mobility and transportation
- e145 Products for education
- e150 Products for commerce, industry and employment
- e155 Products for recreation and sport
- e160 Products for culture and religion
- e198 Other specified products and technology
- e199 Unspecified products and technology

**CHAPTER 2 NATURAL ENVIRONMENT AND HUMAN MADE CHANGES TO ENVIRONMENT**

- e210 Physical geography
- e215 Population
- e220 Flora and fauna
- e225 Climate
- e230 Natural events
- e235 Human-caused natural events
- e240 Light
- e245 Time-Related Changes
- e250 Sound
- e255 Vibration
- e260 Air Quality
- e298 Other specified elements of the natural environment
- e299 Unspecified elements of the natural environment

**CHAPTER 3 SUPPORT AND RELATIONSHIPS**

- e310 Immediate family
- e315 Extended family
- e320 Friends
- e325 Acquaintances, peers, colleagues, neighbours and community members
- e330 People in positions of authority
- e335 People in subordinate positions
- e340 Personal care providers and personal assistants
- e345 Strangers
- e350 Domesticated Animals
- e398 Other specified types of support and relationship
- e399 Unspecified types of support and relationships

**CHAPTER 4 ATTITUDES, VALUES AND BELIEFS**

- e410 Individual attitudes
- e420 Individual values
- e430 Individual beliefs
- e440 Societal attitudes
- e450 Societal values
- e460 Societal beliefs
- e470 Social norms, conventions and ideologies
- e498 Other specified attitudes, values and beliefs
- e499 Unspecified attitudes, values and beliefs

**CHAPTER 5 SERVICES**

- e510 Services for the production of consumer goods
- e515 Architecture, building and construction services
- e520 Open space planning services
- e525 Housing services
- e530 Utilities services
- e535 Communication services
- e540 Transportation services
- e545 Civil protection services
- e550 Legal services
- e555 Associations and organizational services
- e560 Media services
- e565 Economic services
- e570 Social security services
- e575 Health services
- e580 Education and training services
- e585 Labour and employment services
- e598 Other specified services
- e599 Unspecified services

**CHAPTER 6 SYSTEMS AND POLICIES**

- e610 Architecture, building and construction systems and policies
- e615 Open spaces planning systems and policies
- e620 Housing systems and policies
- e625 Utilities systems and policies
- e630 Communication systems and policies
- e635 Transportation systems and policies
- e640 Civil protection systems and policies
- e645 Legal systems and policies
- e650 Associations and organizational systems and policies
- e655 Media systems and policies
- e660 Economic systems and policies
- e665 Social security systems and policies
- e670 Health systems and policies
- e675 Education and training systems and policies
- e680 Labour and employment systems and policies
- e685 Political systems
- e698 Other specified systems and policies
- e699 Unspecified systems and policies



**ICIDH-2 BETA-2 DRAFT**

**D. Detailed classification with definitions**

(Includes all categories within the classification with their definitions, inclusions and exclusions)



## BODY FUNCTIONS

**Definition:** Body functions are the physiological or psychological functions of body systems. Impairments are problems in body function or structure as a significant deviation or loss.

### First qualifier

Uniform qualifier with the negative scale used to indicate the extent or magnitude of an impairment

<b>xxx.0</b>	NO impairment	(none, absent, negligible... )	0-4 %
<b>xxx.1</b>	MILD impairment	(slight, low...)	5-24 %
<b>xxx.2</b>	MODERATE impairment	(medium, fair...)	25-49 %
<b>xxx.3</b>	SEVERE impairment	(high, extreme, ...)	50-95 %
<b>xxx.4</b>	COMPLETE impairment	(total...)	96-100 %
<b>xxx.8</b>	not specified		
<b>xxx.9</b>	not applicable		

### Second qualifier

To be developed to indicate duration, growth and development

## CHAPTER 1 MENTAL FUNCTIONS

This chapter is about the functions of the brain and central nervous system, both global mental functions, such as consciousness, energy and drive, and specific mental functions, such as memory, language and calculation mental functions.

### GLOBAL MENTAL FUNCTIONS (b110-b139)

- b110**      **Consciousness functions**  
 general mental functions of the state of awareness and alertness including the clarity and continuity of the wakeful state
- Inclusions: functions of state, continuity and quality of consciousness; loss of consciousness, coma, vegetative states, fugues, trance states, possession states, drug-induced altered consciousness, delirium, stupor*
- Exclusions: energy and drive functions (b130); sleep functions (b135); orientation functions (b115)*
- b1100**      **State of consciousness**  
                   mental functions that when altered produce states such as clouding of consciousness, stupor or coma
- b1101**      **Continuity of consciousness**  
                   mental functions that produce sustained wakefulness, alertness and awareness and, when disrupted, may produce fugue, trance or other similar states
- b1102**      **Quality of consciousness**  
                   mental functions that when altered effect changes in the character of wakeful, alert and aware sentience, such as drug-induced altered states or delirium
- b1108**      **Other specified consciousness functions**
- b1109**      **Unspecified consciousness functions**
- b115**      **Orientation functions**  
 general mental functions of knowing and ascertaining one's relation to self, others, to time and one's surroundings
- Inclusions: functions of orientation to time, place and person; orientation to self and others; disorientation to time, place and person*
- Exclusions: consciousness functions (b110); attention functions (b140); memory functions (b145)*
- b1150**      **Orientation to time**  
                   mental functions that produce awareness of day, date, month and year
- b1151**      **Orientation to place**  
                   mental functions that produce awareness of one's location, such as town, state, and immediate surroundings
- b1152**      **Orientation to person**  
                   mental function that produce awareness of one's own identity and of individuals in immediate environment
- b11520**      **Orientation to self**  
                           mental functions that produce awareness of one's own identity

- b11521      Orientation to others**  
mental function that produce awareness of the identity of other individuals in one's immediate environment
- b11528      Other specified functions of orientation to person**
- b11529      Unspecified functions of orientation to person**
- b1158        Other specified orientation functions**
- b1159        Unspecified orientation functions**
- b120        Intellectual functions**  
general mental functions required to understand and constructively integrate the various mental functions including all cognitive functions and their development over the life span
- Inclusions: functions of intellectual growth; intellectual retardation, mental retardation, dementia*
- Exclusions: memory functions (b145); thought functions (b165); higher level cognitive functions (b170)*
- b125        Temperament and personality functions**  
general mental functions of constitutional disposition of the individual to react in a particular way to situations including the set of mental characteristics that makes the individual distinct from others
- Inclusions: functions of extraversion, introversion, agreeableness, conscientiousness, emotional stability, and openness to experience; seeking novelty*
- Exclusions: intellectual functions (b120); energy and drive functions (b130); psychomotor activity functions (b150); emotional functions (b155)*
- b1250        Extraversion**  
mental functions that produce personal disposition in which attention, energies, and interest are largely directed outward from the self, such as being assertive, enthusiastic and outgoing
- b1251        Agreeableness**  
mental functions that produce personal disposition that is pleasing, likeable and sympathetic
- b1252        Conscientiousness**  
mental function that produce personal disposition that is careful, scrupulous and responsible
- b1253        Emotional stability**  
mental function that produce personal disposition that is steady and equanimous
- b1254        Openness to experience**  
mental function that produce personal disposition that is curious, imaginative and willing to explore a wide range of interests, and when disrupted produces a restricted range of interests and lack of curiosity
- b1258        Other specific temperament and personality functions**
- b1259        Unspecified temperament and personality functions**

- b130 Energy and drive functions**  
 general mental functions of physiological and psychological mechanisms that cause the individual to move towards satisfying specific needs and general goals in a persistent manner
- Inclusions: functions of energy level, motivation, appetite: craving for substances including those that cause dependence*
- Exclusions: consciousness functions (b110); temperament (b125); sleep functions (b135); psychomotor activity functions (b150); emotional functions (b155)*
- b1300 Energy level**  
 mental function that produce vigour and stamina
- b1301 Motivation**  
 mental functions that produce the incentive to act, the conscious or unconscious driving force for action
- b1302 Appetite**  
 mental functions that produce a natural longing or desire, especially the natural and recurring desire for food and drink
- b1303 Craving**  
 mental functions that produce the urge to consume substances, including substances that can be abused
- b1308 Other specified energy and drive functions**
- b1309 Unspecified energy and drive functions**
- b135 Sleep functions**  
 general mental functions of periodic, reversible and selective physical and mental disengagement from one's immediate environment accompanied by characteristic physiological changes
- Inclusions: functions of sleeping, onset of sleep, maintenance of sleep, quality of sleep, sleep cycle; insomnia; hypersomnia; narcolepsy*
- Exclusions: consciousness functions (b110); energy and drive functions (b130); attention functions (b140); psychomotor functions (b150)*
- b1350 Amount of sleep**  
 time spent in the state of sleep in the diurnal cycle or circadian rhythm
- b1351 Onset of sleep**  
 mental functions that produce the transition between wakefulness to sleep
- b1352 Maintenance of sleep**  
 mental functions that sustain the state of being asleep
- b1353 Quality of sleep**  
 mental functions that produce the natural sleep leading to optimum physical and mental rest and relaxation
- b1354 Functions involving the sleep cycle**  
 mental functions that produce rapid eye movement (REM) sleep (associated with dreaming) and non-rapid eye movement sleep (NREM) (characterized by the traditional concepts of sleep as a time of decreased physiological and psychological activity)
- b1358 Other specified sleep functions**

**b1359 Unspecified sleep functions****b139 Other specified and unspecified general mental functions****SPECIFIC MENTAL FUNCTIONS (b140-b189)****b140 Attention functions**

specific mental functions of focusing on an external stimulus or internal experience for the required period of time

*Inclusions: functions of sustaining attention, shifting attention, dividing attention, sharing attention; concentration; distractibility*

*Exclusions: consciousness functions (b110); energy and drive functions (b130); sleep functions (b135); memory functions (b145); psychomotor functions (b150); perceptual functions (b160)*

**b1400 Sustaining attention**

mental functioning that produces concentration for the necessary period of time required

**b1401 Shifting attention**

mental functioning that permits refocusing concentration from one stimulus to another

**b1402 Dividing attention**

mental functioning that permits focusing on two or more stimuli at the same time

**b1403 Sharing attention**

mental functioning that permits focusing on the same stimulus by two or more people, such as a child and a caregiver both focusing on a toy

**b1408 Other specified functions of attention****b1409 Unspecified functions of attention****b145 Memory functions**

specific mental functions of registering and storing information and retrieving it as needed

*Inclusions: functions of short term and long term memory, immediate, recent and remote memory; memory span; remembering; functions used in recalling and learning; nominal, selective and dissociative amnesia*

*Exclusions: consciousness functions (b110); orientation functions (b115); intellectual functions (b120); attention functions (b140); perceptual functions (b160); thought functions (b165); higher level cognitive functions (b170); specific mental functions of language (b175); calculation functions (b180)*

**b1450 Short term memory**

mental functioning that produces a temporary, disruptable memory store of around thirty seconds duration from which information is lost if not consolidated into long-term memory

**b1451 Long term memory**

mental functioning that produces a memory system permitting the long-term storage of information from short-term memory and its retrieval; there are two distinct types of long-term memory: autobiographical (memory for past events) and semantic (memory for language and facts)

- b1452      Retrieval of memory**  
specific mental function of remembering information stored in long-term memory and bringing it into awareness
- b1458      Other specified memory functions**
- b1459      Unspecified memory functions**
- b150      Psychomotor functions**  
specific mental functions of control over motor and psychological events at the body level
- Inclusions: functions of psychomotor control; psychomotor retardation, excitement and agitation; posturization; catatonia; negativism, ambitendency, echopraxia, echolalia*
- Exclusions: consciousness functions (b110); orientation functions (b115); intellectual functions (b120); energy and drive functions (b130); attention functions (b140); specific mental functions of language (b175); mental functions of sequencing complex movements (b185)*
- b1500      Psychomotor control**  
mental functioning that regulates the speed of behaviour or response time that involves both motor and psychological components; disruption of control produces psychomotor retardation (moving and speaking slowly; decrease in gesturing and spontaneity) or psychomotor excitement (excessive behavioural and cognitive activity, usually nonproductive and often in response to inner tension as in toe-tapping, hand-wringing, agitation, or restlessness)
- b1501      Quality of psychomotor functions**  
mental functioning that produces nonverbal behaviour in the proper sequence and character of its subcomponents, such as hand and eye coordination, or gait
- b1508      Other specified psychomotor functions**
- b1509      Unspecified psychomotor functions**
- b155      Emotional functions**  
specific mental functions related to the feeling and affective component of the processes of the mind
- Inclusions: functions of appropriateness of emotion, regulation and range of emotion; affect; sadness, happiness, love, fear, anger, hate, tension, anxiety, joy, sorrow; lability of emotion; flattening of affect*
- Exclusions: temperament and personality functions (b125); energy and drive functions (b130)*
- b1550      Appropriateness of emotion**  
mental function that produces congruence of feeling or affect with the situation, such as happiness at receiving good news
- b1551      Regulation of emotion**  
mental functions that control the experience and display of affect
- b1552      Range of emotion**  
mental functions that produce the spectrum of experience of arousal of affect or feelings such as love, hate, anxiousness, sorrow, joy, fear and anger
- b1558      Other specified emotional functions**
- b1559      Unspecified emotional functions**

- b160      Perceptual functions**  
specific mental functions of recognising and interpreting sensory stimuli
- Inclusions: functions of visual, auditory, olfactory, gustatory, tactile, visuospatial perception; hallucination; illusion*
- Exclusions: consciousness functions (b110); orientation functions (b115); attention functions (b140); memory functions (b145); specific mental functions of language (b175); Seeing and Related Functions (b210-b229), Hearing and Vestibular Functions (b240-b249); Additional Sensory Functions (b250-b279)*
- b1600      Auditory perception**  
mental functions involved in discriminating sounds, tones, pitches and other acoustic stimuli
- b1601      Visual perception**  
mental functions involved in discriminating shape, size, color and other ocular stimuli
- b1602      Olfactory perception**  
mental function involved in distinguishing differences in smells
- b1603      Gustatory perception**  
mental function involved in distinguishing the differences in tastes, such as sweet, sour, salt, and bitter stimuli, detected by the tongue
- b1604      Tactile perception**  
mental function involved in distinguishing the differences in texture, such as rough or smooth stimuli, detected by touch
- b1605      Visuospatial perception**  
mental function involved in distinguishing by sight the relative position of objects in the environment or in relation to oneself
- b1608      Other specified perceptual functions**
- b1609      Unspecified perceptual functions**
- b165      Thought functions**  
specific mental functions related to ideational component of the mind
- Inclusions: functions of pace, form, control, thought; goal-directed thought functions, non-goal directed thought functions; logical thought functions; pressure of thought, flight of ideas, thought block, incoherence of thought, tangentiality, circumstantiality, delusions, obsessions, compulsions*
- Exclusions: intellectual functions (b120); memory functions (b145); psychomotor functions (b150); perceptual functions (b160); higher level cognitive functions (b170); specific mental functions of language (b175); calculation functions (b180)*
- b1650      Pace of thought**  
the mental function that produces speed of the thinking process
- b1651      Form of thought**  
mental function that organize the thinking process as to its coherence and logic
- Inclusions: impairments of ideational perseveration, tangentiality and circumstantiality*

- b1652**      **Content of thought**  
the mental function consisting of the ideas that are present in the thinking process, what is being conceptualized  
*Inclusions: impairments of delusions, overvalued ideas and somatization*
- b1653**      **Control of thought**  
mental function that provides volitional control of thinking and is recognized as such by the person  
*Inclusions: impairments of ruminations, obsessions, thought broadcasts and thought insertion*
- b1658**      **Other specified thought functions**
- b1659**      **Unspecified thought functions**
- b170**        **Higher level cognitive functions**  
specific mental functions of abstraction and organization of ideas, time management, insight and judgement  
*Inclusions: functions of concept formation, categorisation, cognitive flexibility; executive functions; lack of insight, lack of judgement*  
*Exclusions: memory functions (b145); thought functions (b165); specific mental functions of language (b175); calculation functions (b180)*
- b1700**      **Abstraction**  
mental function of considering something as a general idea, quality or characteristic, as distinct from concrete realities, specific objects or actual instances
- b1701**      **Organization and planning**  
mental function of coordinating parts into a whole, of systematizing; the mental function involved in developing a method of proceeding or acting
- b1702**      **Time management**  
mental function of ordering events in chronological sequence, allocating amounts of time to events and activities
- b1703**      **Cognitive flexibility**  
mental function of changing strategies, shifting mental sets, especially as involved in problem-solving
- b1704**      **Insight**  
mental function of awareness and understanding of oneself and one's behaviour
- b1705**      **Judgement**  
mental functions involved in making a choice when presented with options, such as is involved in making a decision or forming an opinion
- b1708**      **Other specified higher level cognitive functions**
- b1709**      **Unspecified higher level cognitive functions**

- b175      Specific mental functions of language**  
specific mental functions of recognising and using signs, symbols and other components of a language
- Inclusions: functions of reception and decryptation of spoken, written or other forms of language; functions of expression of spoken, written or other forms of language; integrative language functions, spoken and written; receptive, expressive, Broca's, Wernicke's and conduction aphasia*
- Exclusions: attention functions (b140); memory functions (b145); perceptual functions (b160); thought functions (b165); higher level cognitive functions (b170); calculation functions (b180); mental functions of sequencing complex movements (b185); Chapter 2: Sensory Functions*
- b1750      Reception of language**  
specific mental functions of decoding messages in spoken, written, signed or other form to obtain their meaning
- b17500      Reception of spoken language**  
mental functions of decoding spoken messages to obtain their meaning
- b17501      Reception of written language**  
mental functions of decoding written messages to obtain their meaning
- b17508      Other specified reception of language mental functions**
- b17509      Unspecified reception of language mental functions**
- b1751      Expression of language**  
specific mental functions necessary in order to produce meaningful messages in spoken, written, signed or other forms
- b17510      Expression of spoken language**  
mental functions necessary in order to produce meaningful spoken messages
- b17511      Expression of written language**  
mental functions necessary in order to produce to meaningful written messages
- b17518      Other expression of language mental functions**
- b17519      Unspecified expression of language mental functions**
- b1752      Integrative language functions**  
mental functions that organize semantic and symbolic meaning, grammatical structure, ideas, for the production of messages in spoken, written or other form
- b1758      Other specified mental functions of language**
- b1759      Unspecified mental functions of language**
- b180      Calculation functions**  
specific mental functions of determination, approximation and manipulation of mathematical symbols
- Inclusions: functions of addition, subtraction, and other simple mathematical calculations; functions of complex mathematical operations*
- Exclusions: attention functions (b140); memory functions (b145); thought functions (b165); higher level cognitive functions (b170); specific mental functions of language (b175)*

- b1800**      **Simple arithmetic calculation**  
mental function of computing with numbers, such as addition, subtraction, multiplication and division
- b1801**      **Complex calculation**  
mental function of translating word problems into arithmetic procedures, translating mathematical formulas into arithmetic procedures and other complex manipulations involving numbers
- b1808**      **Other specified calculation functions**
- b1809**      **Unspecified calculation functions**
- b185**      **Mental function of sequencing complex movements**  
specific mental functions of sequencing and co-ordinating complex, purposeful movements  
  
*Inclusions: ideation, ideomotor, dressing, oculomotor, speech apraxia*  
  
*Exclusions: psychomotor functions (b150); higher level cognitive functions (b170); Chapter 7 Neuromusculoskeletal and Movement Related Functions*
- b189**      **Other specified and unspecified ‘specific mental functions’**
- b198**      **Other specific mental functions**
- b199**      **Unspecified mental functions**

## CHAPTER 2 SENSORY FUNCTIONS

This chapter is about the functions of the senses, seeing, hearing, tasting and so on, as well the sensation of pain.

### SEEING AND RELATED FUNCTIONS (b210-b139)

- b210 Seeing functions**  
 sensory functions relating to sensing the presence of light and sensing the form, size, shape and colour of the visual stimuli
- Inclusions: functions of sensing light and colour, visual acuity of distant and near vision, monocular and binocular vision, visual fields, quality of vision, visual picture quality; myopia, hypermetropia, astigmatism, hemianopia, colour blindness, tunnel vision, central and peripheral scotoma, diplopia, night blindness, adaptability to light*
- Exclusions: perceptual functions (b160); purposeful sensory activities (a110)*
- b2100 Visual acuity functions**  
 seeing functions of sensing form and contour, both binocular and monocular, and for both distant and near vision
- b21000 Binocular acuity of distant vision**  
 seeing functions of sensing size, form and contour using both eyes for objects distant to the eye
- b21001 Monocular acuity of distant vision**  
 seeing functions of sensing size, form and contour using either right or left eye alone for objects distant to the eye
- b21002 Binocular acuity of near vision**  
 seeing functions of sensing size, form and contour, using both eyes, for objects close to the eye
- b21003 Monocular acuity of near vision**  
 seeing functions of sensing size, form and contour, using either right or left eye alone, for objects close to the eye
- b21008 Other specified visual acuity functions**
- b21009 Unspecified visual acuity functions**
- b2101 Visual field functions**
- b2102 Quality of vision**  
 seeing functions involving light sensitivity colour vision, contrast sensitivity and the overall quality of the picture
- b21020 Light sensitivity**  
 seeing functions of sensing a minimum amount of light (light minimum), and the minimum difference in intensity (light difference)
- Inclusions: functions of dark adaptation; night blindness (hyposensitivity to light); photophobia (hypersensitivity to light)*
- b21021 Colour vision**  
 seeing functions of differentiating and matching colours
- b21022 Contrast sensitivity**  
 seeing functions of separating figure from ground, involving the minimum amount of luminescence required for that purpose

- b21023**      **Visual picture quality**  
seeing functions involving the quality of the picture  
*Inclusions: functions of seeing stray lights; affected picture quality (floaters or webbing); picture distortion, seeing stars or flashes*
- b21028**      **Other specified quality of vision**
- b21029**      **Unspecified quality of vision**
- b215**         **Functions of structures adjoining the eye**  
functions of structures in and around the eye that facilitate seeing functions  
*Inclusions: functions of internal muscles of the eye, eyelid, external muscles of the eye, including voluntary and tracking movements and fixation of the eye, lachrymal glands, accommodation, pupillary reflex; nystagmus, xerophthalmia, ptosis*  
*Exclusions: seeing functions (b210); Chapter 7 Neuromusculoskeletal and Movement Related Functions*
- b2150**        **Functions of internal muscles of the eye**  
functions of the muscles inside the eye, such as the iris, that adjust the shape and size of the pupil and lens of the eye  
*Inclusions: functions of accommodation; pupillar reflex*
- b2151**        **Functions of the eyelid**  
functions of the eyelid, such as the protective reflex
- b2152**        **Functions of external muscles of the eye**  
functions of the muscles that are used to look in different directions, to follow an object as it moves across the visual field, to produce saccadic jumps to catch up with a moving target, and to fix the eye  
*Inclusions: nystagmus; cooperation of both eyes*
- b2153**        **Functions of lachrymal glands**  
functions of the tear glands and ducts
- b2158**        **Other specified functions of structures adjoining the eye**
- b2159**        **Unspecified functions of structures adjoining the eye**
- b220**         **Sensations associated with eye and adjoining structures**  
sensations of tired, dry and itching eye and related feelings  
*Inclusions: feelings of pressure behind the eye, of something in the eye, eye strain, burning in the eye; eye irritation*  
*Exclusions: sensation of pain (b275)*
- b229**         **Other specified and unspecified seeing and related functions**

**HEARING AND VESTIBULAR FUNCTIONS (b230-b249)**

- b230      Hearing functions**  
sensory functions relating to sensing the presence of sounds and discriminating the location, pitch, loudness and quality of sounds
- Inclusions: functions of hearing, auditory discrimination, localization of sound source, lateralization of sound, speech discrimination; deafness, hearing impairment, hearing loss*
- Exclusions: perceptual functions (b160); specific mental functions of language (b175); purposeful sensory activities (a110)*
- b2300      Hearing sounds**  
sensory functions relating to sensing the presence of sounds
- b2301      Auditory discrimination**  
sensory functions relating to sensing the presence of sound involving the differentiation of ground and binaural synthesis, separation and blending
- b2302      Localisation of sound source**  
sensory functions relating to determining the location of source of sound
- b2303      Lateralization of sound**  
sensory functions relating to determining whether the sound is coming from right or the left side
- b2304      Speech discrimination**  
sensory functions relating to determining spoken language and distinguishing them from other sounds
- b2308      Other specified hearing functions**
- b2309      Unspecified hearing functions**
- b235      Vestibular function**  
sensory functions of the inner ear related to position, balance and movement
- Inclusions: functions of balance of the body; positional sense*
- Exclusions: sensation associated with hearing and vestibular functions (b240)*
- b2350      Vestibular function of position**  
sensory functions of the inner ear related to determining the position of the body
- b2351      Vestibular function of balance**  
sensory functions of the inner ear related to determining the balance
- b2352      Vestibular function of movement**  
sensory functions of the inner ear related to determining movement of the body including its direction and speed
- b2358      Other specified vestibular functions**
- b2359      Unspecified vestibular functions**

- b240 Sensations associated with hearing and vestibular function**  
sensations of dizziness, falling, tinnitus and vertigo
- Inclusions: sensations of ringing in ears, irritation in ear, aural pressure, nausea associated with dizziness or vertigo*
- Exclusions: vestibular functions (b235); sensation of pain (b275)*
- b2400 Ringing in ears or tinnitus**  
sensation of low-pitched, rushing, hissing or ringing in the ear
- b2401 Dizziness**  
sensation of motion involving either oneself or one's environment; sensation of rotating, swaying or tilting
- b2402 Sense of falling**  
sensation of losing hold and falling
- b2403 Nausea associated with dizziness or vertigo**  
sensation of wanting to vomit that arises from dizziness or vertigo
- b2404 Irritation in the ear**  
sensation of itching or other somilar sensations in the ear
- b2405 Aural pressure**  
sensation of pressure in the ear
- b2408 Other specified sensations associated with hearing and vestibular function**
- b2409 Unspecified sensations associated with hearing and vestibular function**
- b249 Other specified and unspecified hearing and vestibular functions**

#### ADDITIONAL SENSORY FUNCTIONS (b250-b279)

- b250 Taste function**  
sensory functions for sensing qualities of bitterness, sweetness, sourness and saltiness
- Inclusions: functions of tasting, gustatory functions; ageusia, hypogeusia*
- Exclusions: purposeful sensory activities (a110)*
- b255 Smell function**  
sensory functions for sensing odours and smells
- Inclusions: functions of smelling, olfactory functions; anosmia, hyposmia*
- Exclusions: purposeful sensory activities (a110)*
- b260 Proprioceptive function**  
sensory functions for sensing the relative position of body parts
- Inclusions: functions of statesthesia, kinaesthesia*
- Exclusions: vestibular functions (b235); sensations related to muscles and movement functions (b780)*

- b265 Touch function**  
sensory functions of sensing surfaces and their texture or quality
- Inclusions: functions of touching, feeling of touch; numbness, anaesthesia, tingling, paraesthesia, hyperaesthesia*
- Exclusions: sensory functions related to temperature and other stimuli (b270); purposeful sensory activities (a110)*
- b270 Sensory functions related to temperature and other stimuli**  
sensory functions for sensing temperature, vibration, pressure, noxious stimulus
- Inclusions: functions of sensing cold and heat, shaking or oscillation, deep pressure, burning sensation*
- Exclusions: touch functions (b265); sensation of pain (b275)*
- b2700 Sensitivity to temperature**  
sensory function of sensing cold and heat
- b2701 Sensitivity to vibration**  
sensory function of sensing shaking or oscillation
- b2702 Sensitivity to pressure**  
sensory function of sensing pressure against or on the skin
- Inclusions: sensitivity to touch, numbness, hypaesthesia, hyperaesthesia, paraesthesia, tingling*
- b2703 Sensitivity to a noxious stimulus**  
sensory function of sensing painful or uncomfortable sensations
- Inclusions: hypalgesia, hyperpathia, allodynia, hypalgesia, analgesia, anaesthesia dolorosa*
- b2708 Other specified sensory functions related to temperature and other stimuli**
- b2709 Unspecified sensory functions related to temperature and other stimuli**
- b275 Sensation of pain**  
sensation of unpleasant feeling indicating potential or actual damage to some body structure
- Inclusions: sensations of generalised or localised pain, in one or more body part, pain in a dermatome, stabbing pain, burning pain, dull pain, aching pain; myalgia, analgesia, hyperalgesia*
- b2750 Generalised pain**  
sensation of unpleasant feeling indicating potential or actual damage to some body structure felt all over, or throughout the body
- b2751 Localised pain**  
sensation of unpleasant feeling indicating potential or actual damage to some body structure felt in a specific part, or parts, of the body
- b27510 Pain in body part**  
sensation of unpleasant feeling indicating potential or actual damage to some body structure located in a body part
- b27511 Pain in multiple body parts**  
sensation of unpleasant feeling indicating potential or actual damage to some body structure located in several body parts

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- b27512 Pain in a dermatome**  
sensation of unpleasant feeling indicating potential or actual damage to  
some body structure located in areas of skin served by the same nerve root
- b27518 Other specified localised pain**
- b27519 Unspecified localised pain**
- b2758 Other specified sensation of pain**
- b2759 Unspecified sensation of pain**
- b279 Other specified and unspecified additional sensory functions**
- b298 Other specified sensory functions**
- b299 Unspecified sensory functions**

## CHAPTER 3 VOICE AND SPEECH FUNCTIONS

This chapter is about the functions of producing sounds and speech.

- b310**      **Voice functions**  
 functions for the production of various sounds by the passage of air through the larynx
- Inclusions: functions of phonation, pitch, loudness and qualities of voice; aphonia, dysphonia, hoarseness, hypernasality, hyponasality*
- Exclusions: specific mental functions of language (b175); articulation functions (b320); activities of producing spoken messages (a230); conversation activities (a250)*
- b3100**      **Production of voice**  
 functions for the production of sound made through coordination of the larynx and surrounding muscles with the respiratory system
- Inclusions: functions of phonation, loudness, aphonia, crying, screaming*
- b3101**      **Quality of voice**  
 functions for the production of characteristics of voice including pitch, resonance and other features
- Inclusions: functions of high or low pitch, hypernasality, hyponasality, dysphonia, hoarseness, harshness*
- b3108**      **Other specified voice functions**
- b3109**      **Unspecified voice functions**
- b320**      **Articulation functions**  
 functions for the production of speech sounds
- Inclusions: functions of enunciation, articulation of phonemes; spastic, ataxic, flaccid dysarthria; anarthria*
- Exclusions: specific mental functions of language (b175); voice functions (b310); activities of producing spoken messages (a230); conversation activities (a250)*
- b330**      **Fluency and rhythm of speech functions**  
 functions for the production of flow and tempo of speech
- Inclusions: functions of speech patterns, fluency of speech, prosody and intonation, melody of speech; stuttering, stammering, cluttering, bradylalia, tachylalia*
- Exclusions: specific mental functions of language (b175); voice functions (b310); articulation functions (b320); activities of producing spoken messages (a230); conversation activities (a250)*
- b3300**      **Fluency of speech**  
 functions for the production of smooth, uninterrupted flow of speech
- Inclusions: functions of smooth connection of speech, stuttering, stammering, cluttering, dysfluency, repetition of sounds, words or parts of words, irregular breaks in speech*
- b3301**      **Rhythm of speech**  
 functions for the modulated, tempo and stress patterns in speech
- Inclusions: stereotypic or repetitive speech cadence*

- b3302**      **Speed of speech**  
functions for the rate of speech production  
*Inclusions: bradylalia, tachylalia*
- b3303**      **Melody of speech**  
functions for modulation of pitch patterns in speech  
*Inclusions: prosody of speech, intonation, melody of speech, monotone speech*
- b3308**      **Other specified fluency and rhythm of speech functions**
- b3309**      **Unspecified fluency and rhythm of speech functions**
- b340**      **Alternative vocalization functions**  
functions for the production of other manners of vocalization  
*Inclusions: functions of the production of notes as in singing, chanting, babbling and humming; crying aloud, screaming*  
*Exclusions: specific mental functions of language (b175); voice functions (b310); articulation functions (b320); fluency and rhythm of speech functions (b330); activities of producing spoken messages (a230); conversation activities (a250)*
- b3400**      **Production of notes**  
functions for production of musical vocal sounds  
*Inclusions: sustaining, modulating and terminating production of single or connected vocalizations with variation in pitch as in singing, humming, chanting*
- b3401**      **Making a range of sounds**  
functions for production of varied scope of vocalizations  
*Inclusions: functions of babbling in children*
- b3408**      **Other specified alternative vocalisation functions**
- b3409**      **Unspecified alternative vocalisation functions**
- b398**      **Other specified voice and speech functions**
- b399**      **Unspecified voice and speech functions**

## **CHAPTER 4 FUNCTIONS OF THE CARDIOVASCULAR, HAEMATOLOGICAL, IMMUNOLOGICAL AND RESPIRATORY SYSTEMS**

This chapter is about the functions involved in the cardiovascular system (functions of the heart and blood vessels), the haematological and immunological systems (functions of blood production and immunity), and the respiratory system (functions of respiration and exercise tolerance).

### **FUNCTIONS OF THE CARDIOVASCULAR SYSTEM (b410-b429)**

- b410 Heart functions**  
functions of pumping the blood in adequate or required amounts and pressure to the body
- Inclusions: functions of heart rate, rhythm and output; contraction force of ventricular muscles; functions of heart valves; pumping the blood through the pulmonary circuit; dynamics of circulation to the heart; heart failure, cardiomyopathy, myocarditis, coronary insufficiency, tachycardia, bradycardia, irregular heart beat*
- Exclusions: blood vessel functions (b415); blood pressure functions (b420); functions of exercise tolerance (b455)*
- b4100 Heart rate**  
functions related to the number of times the heart contracts every minute
- Inclusions: too high (tachycardia) or too slow (bradycardia) a rate*
- b4101 Heart rhythm**  
functions related to the regularity of the beating of the heart
- Inclusions: arrhythmias*
- b4102 Contraction force of ventricular muscles**  
functions related to the amount of blood pumped by the ventricular muscles during every beat
- Inclusions: diminished cardiac output*
- b4103 Blood supply to the heart**  
functions related to the volume of blood available to the heart muscle
- Inclusion: coronary ischaemia*
- b4108 Other specified heart functions**
- b4109 Unspecified heart functions**
- b415 Blood vessel functions**  
functions of transporting blood throughout the body
- Inclusions: functions of arteries, capillaries and veins; vasomotor function; functions of pulmonary arteries, capillaries and veins; functions of valves of veins; blockage or constriction of arteries; atherosclerosis, arteriosclerosis, thromboembolism, varicose veins*
- Exclusions: heart functions (b410); blood pressure functions (b420); functions of the haematological system (b430); functions of exercise tolerance (b470)*
- b4150 Functions of arteries**  
functions related to blood flow in the arteries
- Inclusions: arterial dilatation; arterial constriction such as in intermittent claudication*

- b4151      Functions of capillaries**  
functions related to blood flow in the capillaries
- b4152      Functions of veins**  
functions related to the blood flow in the veins, and the functions of valves of veins  
*Inclusions: venous dilatation; venous constriction; insufficient closing of valves as in varicose veins*
- b4158      Other specified blood vessel functions**
- b4159      Unspecified blood vessel functions**
- b420      Blood pressure functions**  
functions of maintaining the pressure of blood within the arteries  
*Inclusions: functions of maintenance of blood pressure; increased and decreased blood pressure; hypotension, hypertension; postural hypotension*  
*Exclusions: heart functions (b410); blood vessel functions (b415); exercise tolerance functions (b455)*
- b4200      Increased blood pressure**  
functions related to a rise in systolic or diastolic blood pressure above normal for the age
- b4201      Decreased blood pressure**  
functions related to a fall in systolic or diastolic blood pressure below normal for the age
- b4202      Maintenance of blood pressure**  
functions related to maintaining an appropriate blood pressure in response to changes to the body
- b4208      Other specified blood pressure functions**
- b4209      Unspecified blood pressure functions**
- b429      Other specified and unspecified functions of the cardiovascular system**

## FUNCTIONS OF THE HAEMATOLOGICAL AND IMMUNOLOGICAL SYSTEMS (b430-b439)

- b430      Haematological system functions**  
functions of the blood production and functions of oxygen and metabolite carriage and clotting  
*Inclusions: functions of bone marrow; blood-related functions of spleen; oxygen carrying functions of blood; metabolite carrying functions of blood; clotting; anaemia; haemophilia and other clotting dysfunctions*  
*Exclusions: Functions of the Cardiovascular System (b410-b429); immunological system functions (b435); exercise tolerance functions (b455)*
- b4300      Production of blood**  
functions related to the production of blood and all its constituents
- b4301      Oxygen carrying functions of the blood**  
functions related to the blood's capacity to carry oxygen throughout the body

- b4302 Metabolic carrying functions of the blood**  
functions related to the blood's capacity to carry metabolites throughout the body
- b4303 Clotting functions**  
functions related to the coagulation of the blood, such as at site of injury
- b4308 Other specified haematological system functions**
- b4309 Unspecified haematological system functions**
- b435 Immunological system functions**  
functions of the body related to protection against foreign substances including infections by specific and non-specific immune responses
- Inclusions: functions of cell-mediated immunity, antibody-mediated immunity; response to immunisation; functions of lymph nodes and lymphatic vessels; hypersensitivity reactions; autoimmunity; allergic reactions; lymphadenitis; lymphedema*
- Exclusions: haematological system functions (b430)*
- b4350 Immune response**  
functions of the body's response of sensitization to foreign substances including infections
- b43500 Specific immune response**  
functions of the body's response of sensitization to a specific foreign substance
- b43501 Non-specific immune response**  
functions of the body's general response of sensitization to foreign substances including infections
- b4351 Hypersensitivity reactions**  
functions of the body's response of increased sensitization to foreign substances such as in sensitivities to foods and antigens
- Inclusions; hypersensitivities or allergies*
- b4352 Functions of lymphatic vessels**  
functions related to vascular channels that transport lymph
- b4353 Functions of lymph nodes**  
functions related to glands along the course of lymphatic vessels
- b4358 Other specified immunological system functions**
- b4359 Unspecified immunological system functions**
- b439 Other specified and unspecified functions of the haematological and immunological systems**

## FUNCTIONS OF THE RESPIRATORY SYSTEM (b440-b449)

- b440 Respiration functions**  
functions of inhaling air into the lungs, the exchange of gases between air and blood and exhaling the air
- Inclusions: functions of respiration rate, rhythm and depth; apnea, hyperventilation, irregular respiration, paradoxical respiration, pulmonary emphysema, bronchial spasm*
- Exclusions: respiratory muscles functions (b445); additional functions related to respiration (b450); exercise tolerance functions (b455)*

- b4400      Respiration rate**  
functions related to the number of breaths taken per minute  
*Inclusions: rates that are too fast (tachypnoea) or too slow (bradypnoea)*
- b4401      Respiratory rhythm**  
functions related to the periodicity and regularity of breathing  
*Inclusions: irregular breathing*
- b4402      Depth of respiration**  
functions related to the volume of expansion of the lungs during breathing  
*Inclusions: superficial or shallow respiration*
- b4408      Other specified respiration functions**
- b4409      Unspecified respiration functions**
- b445      Respiratory muscles functions**  
functions of the muscles involved in breathing  
*Inclusions: functions of thoracic respiratory muscles; functions of the diaphragm; functions of accessory respiratory muscles*  
*Exclusions: : respiration functions (b440); additional functions related to respiration (b450); exercise tolerance functions (b455)*
- b4450      Functions of the thoracic respiratory muscles**  
functions of the thoracic muscles involved in breathing
- b4451      Functions of the diaphragm**  
functions of the diaphragm as it is involved in breathing
- b4452      Functions of accessory respiratory muscles**  
functions of the additional muscles involved in breathing
- b4458      Other specified respiratory muscles functions**
- b4459      Unspecified respiratory muscles functions**
- b449      Other specified and unspecified functions of the respiratory system**

## ADDITIONAL FUNCTIONS AND SENSATIONS OF THE CARDIOVASCULAR AND RESPIRATORY SYSTEMS (b450-b469)

- b450      Additional respiratory functions**  
additional functions related to breathing, such as coughing, sneezing and yawning  
*Inclusions: functions of blowing, whistling, mouth breathing*
- b455      Exercise tolerance functions**  
functions related to the respiratory and cardiovascular capacity as required for enduring physical exertion  
*Inclusions: functions of aerobic capacity; stamina; physical endurance; fatiguability*  
*Exclusions: respiration functions (b440); respiratory muscles functions (b445); additional respiration functions (b450)*
- b4550      General physical endurance**  
functions related to the general level of tolerance of physical exercise or stamina

- b4551      Aerobic capacity**  
functions related to the extent to which a person can exercise without getting out of breath
- b4552      Fatigability**  
functions related to the susceptibility to fatigue, at any level of exertion
- b4558      Other specified exercise tolerance functions**
- b4559      Unspecific exercise tolerance functions**
- b460      Sensations associated with cardiovascular and respiratory functions**  
sensations such as missing a heart beat, palpitation, shortness of breath  
  
*Inclusions: sensations of tightness of chest, feeling of irregular beat, dyspnea, air hunger, choking, gagging, wheezing*  
  
*Exclusions: sensation of pain (b275)*
- b469      Other specified and unspecified additional functions and sensations of the cardiovascular and respiratory systems**
- b498      Other specified functions of the cardiovascular, haematological, immunological and respiratory systems**
- b499      Unspecified functions of the cardiovascular, haematological, immunological cardiovascular and respiratory systems**

## **CHAPTER 5 FUNCTIONS OF THE DIGESTIVE, METABOLIC, ENDOCRINE SYSTEMS**

This chapter is about the functions of ingestion, digestion, and elimination, as well as functions involved in metabolism and the endocrine glands.

### **FUNCTIONS RELATED TO THE DIGESTION SYSTEM (b510-b569)**

- b510 Ingestion functions**  
functions related to taking and manipulating solids or liquids into the body by the mouth
- Inclusions: functions of sucking, chewing, controlling food in the mouth, salivation, swallowing, burping, regurgitation, spitting and vomiting; dysphagia, aspiration of food, aerophagia, excessive salivation, drooling, insufficient salivation*
- Exclusions: sensations associated with digestive system (b535)*
- b5100 Sucking**  
functions of drawing into the mouth through a suction force produced by movements of the cheeks, lips and tongue.
- b5101 Chewing**  
functions of crushing and working food with the teeth
- b5102 Manipulation of food in the mouth**  
functions of moving food around the month with the teeth and tongue
- b5103 Salivation**  
functions of the production of saliva within the mouth
- b5104 Swallowing**  
function of passing food and drink through the esophagus into the stomach
- Inclusions: oral, pharyngeal or oesophageal dysphagia; impairments in oesophageal passage*
- b5105 Regurgitation and vomiting**  
functions of moving food or liquid in the reverse direction from ingestion, from stomach to esophagus and to mouth and out
- b5108 Other specified ingestion functions**
- b5109 Unspecified ingestion functions**
- b515 Digestive functions**  
functions of transporting food through the alimentary canal and breakdown of food and absorption of nutrients
- Inclusions: functions of peristalsis; enzyme production and action in stomach and intestines; hyperacidity of stomach, malabsorption, intolerance to food, hypermotility of intestines, intestinal paralysis, intestinal obstruction, decreased bile production*
- Exclusions: ingestion functions (b510); assimilation functions (b520); defecation functions (b525); sensations associated with the digestive system (b535)*
- b5150 Transport of food through stomach and intestines**  
peristalsis and related functions that mechanically move food through stomach and intestines

- b5151 Breakdown of food**  
functions of mechanically reducing food to smaller particles in the gastrointestinal tract
- b5152 Absorption of nutrients**  
functions of bringing food and drink nutrients into the blood stream from throughout the stomach and intestines
- b5153 Tolerance to food**  
functions of body in accepting suitable food and drink for digestion and rejecting that is unsuitable  
*Inclusions: hypersensitivities, such as gluten intolerance*
- b5158 Other specified digestive functions**
- b5159 Unspecified digestive functions**
- b520 Assimilation functions**  
functions by which nutrients are converted into components of the living body  
*Inclusions: functions of storage of nutrients in the body*  
*Exclusions: digestive functions (b515); defecation functions (b525); weight maintenance functions (b530); general metabolic functions (b540)*
- b525 Defecation functions**  
functions of elimination of wastes and undigested food as faeces and related functions  
*Inclusions: functions of elimination, faecal consistency, frequency of defecation, faecal continence, flatulence; constipation, diarrhoea, watery stools, anal sphincter incompetence*  
*Exclusions: digestive functions (b515); assimilation functions (b520); sensations associated with the digestive system (b535)*
- b5250 Elimination functions**  
functions of the elimination of waste from the rectum, including the functions of contraction of the abdominal muscles in doing so
- b5251 Faecal consistency**  
consistency of faeces such as hard, firm, soft or watery
- b5252 Frequency of defecation**  
functions involved in the frequency of defecation
- b5253 Faecal continence**  
functions involved in the voluntary control over the elimination function
- b5254 Flatulence**  
functions involved with the expulsion of excessive amounts of air or gases from the intestine
- b5258 Other specified defecation functions**
- b5259 Unspecified defecation functions**

- b530 Weight maintenance functions**  
functions of maintaining appropriate body weight, including weight gain during the developmental period
- Inclusions: functions of maintenance of acceptable Body Mass Index (BMI); underweight, cachexia, wasting, overweight, emaciation, primary and secondary obesity*
- Exclusions: assimilation functions (b520); general metabolic functions (b540); functions of endocrine glands (b555)*
- b535 Sensations associated with the digestive system**  
sensations such as nausea, feeling bloated and abdominal cramp
- Inclusions: sensations of fullness of stomach, globus feeling, spasm of stomach, gas in stomach, heartburn*
- Exclusions: sensation of pain (b275); ingestion functions (b510); digestive functions (b515); defecation functions (b525)*
- b5350 Sensation of nausea**  
sensation of needing to vomit
- b5351 Feeling bloated**  
sensation of distension of the stomach or abdomen
- b5352 Sensation of abdominal cramp**  
sensation of spasmodic or painful muscular contraction of the smooth muscles of the gastrointestinal tract
- b5358 Other specified sensations associated with the digestive system**
- b5359 Unspecified sensations associated with the digestion system**
- b539 Other specified and unspecified functions related to the digestive system**

## FUNCTIONS RELATED TO METABOLISM AND THE ENDOCRINE SYSTEM (b570-b559)

- b540 General metabolic functions**  
functions of regulation of the essential components of the body such as carbohydrates, proteins and fats, their conversion one to the other, and their breakdown into energy
- Inclusions: functions of metabolism, basal metabolic rate, metabolism of carbohydrate, protein and fat, catabolism, anabolism, energy production in the body; increase or decrease in metabolic rate*
- Exclusions: assimilation functions (b520); weight maintenance functions (b530); water, mineral and electrolyte balance functions (b545); thermoregulatory functions (b550); endocrine glands functions (b555)*
- b5400 Basal metabolic rate**  
functions involved in oxygen consumption of the body at specified conditions of rest and temperature
- Inclusions: increase or decrease in BMR as in hyperthyroidism and hypothyroidism*
- b5401 Carbohydrate metabolism**  
functions involved in the process by which carbohydrates in the diet are stored and broken down into glucose and subsequently into carbon dioxide and water

- b5402 Protein metabolism**  
functions involved in the process by which proteins in the diet are converted to amino acids and broken down further in the body
- b5403 Fat metabolism**  
functions involved in the process by which fat in the diet is stored and broken down in the body
- b5408 Other specified general metabolic functions**
- b5409 Unspecified general metabolic functions**
- b545 Water, mineral and electrolyte balance functions**  
functions of the regulation of water, minerals, and electrolytes in the body
- Inclusions: functions of water balance, balance of minerals such as calcium, zinc, iron and balance of electrolytes such as sodium and potassium; water retention, dehydration, hypercalcemia, hypocalcemia, iron deficiency, hypernatremia, hyponatremia, hyperkalemia, hypokalemia*
- Exclusions: haematological system functions (b430); general metabolic functions (b540); endocrine glands functions (b555)*
- b5450 Water balance**  
functions involved in the level or amount of water in the body
- b54500 Water retention**  
functions involved in the keeping in of excessive water in the body
- b54501 Dehydration**  
functions involved in the process of not having enough water in the body
- b54502 Maintenance of water balance**  
functions involved in the maintaining of the optimal amount of water in the body
- b54508 Other specified water balance**
- b54509 Unspecified water balance**
- b5451 Mineral balance**  
functions involved in maintaining an equilibrium between intake, storage, utilization and excretion of minerals in the body
- b5452 Electrolyte balance**  
functions involved in maintaining an equilibrium between intake, storage, utilization and excretion of electrolytes in the body
- b5458 Other specified water, mineral and electrolyte balance functions**
- b5459 Unspecified water, mineral and electrolyte balance functions**
- b550 Thermoregulatory functions**  
functions of the regulation of body temperature
- Inclusions: functions of maintenance of body temperature; hypothermia, hyperthermia*
- Exclusions: general metabolic functions (b540); endocrine glands functions (b555)*
- b5500 Body temperature**  
core temperature of the body

- b5501 Maintenance of body temperature**  
functions involved in maintaining optimal body temperature as environmental temperature changes  
*Inclusions: tolerance to heat or cold*
- b5508 Other specified thermoregulatory functions**
- b5509 Unspecified thermoregulatory functions**
- b555 Endocrine glands functions**  
functions of production and regulation of hormonal levels in the body including cyclical changes  
*Inclusions: functions of hormonal balance; hypopituitarism, hyperpituitarism, hyperthyroidism, hypothyroidism, hyperadrenalism, hypoadrenalism, hyperparathyroidism, hypoparathyroidism, hypergonadism, hypogonadism*  
*Exclusions: general metabolic functions (b540); water, mineral and electrolyte balance functions (b545); thermoregulatory functions (b550); sexual functions (b640); menstruation functions (b650)*
- b559 Other specified and unspecified functions related to metabolism and the endocrine system**
- b598 Other specified functions of the digestive, metabolic and endocrine systems**
- b599 Unspecified functions of the digestive, metabolic and endocrine systems**

## CHAPTER 6 GENITOURINARY AND REPRODUCTIVE FUNCTIONS

This chapter is about the functions of urination and the reproductive functions including sexual and procreative functions.

### URINARY FUNCTIONS (b610-b639)

- b610 Urinary excretory functions**  
functions of filtration and collection of the urine
- Inclusions: functions of urinary filtration, collection of urine; renal insufficiency, anuria, oliguri, hydronephrosis, hypotonic urinary bladder, ureteric obstruction*
- Exclusions: urination functions (b620)*
- b6100 Filtration of urine**  
functions of the filtration of urine by the kidneys
- b6101 Collection of urine**  
functions of collection and storage of urine by the ureters and the bladder
- b6108 Other specified urinary excretory functions**
- b6109 Unspecified urinary excretory functions**
- b620 Urination functions**  
functions of discharge of urine from the urinary bladder
- Inclusions: functions of urination, frequency of urination, urinary continence; stress, urge, reflex, overflow, continuous incontinence, dribbling, automatic bladder, polyuria, urinary retention, urinary urgency*
- Exclusions: urinary excretory functions (b610); sensations associated with urinary functions (b630)*
- b6200 Urination**  
functions of voiding the urinary bladder
- Inclusions: urine retention*
- b6201 Frequency of urination**  
functions of the number of times urination occurs
- b6202 Urinary continence**  
functions of control over urination
- Inclusions: stress, urge, reflex, continuous and mixed incontinence*
- b6208 Other specified urination functions**
- b6209 Unspecified urination functions**
- b630 Sensations associated with urinary functions**  
sensations such as burning during urination and feeling of urgency
- Inclusions: sensations of incomplete voiding of urine, feeling of fullness of bladder*
- Exclusions: sensations of pain (b275); urination functions (b620)*
- b639 Other specified and unspecified urinary functions**

## GENITAL AND REPRODUCTIVE FUNCTIONS (b640-b679)

- b640 Sexual functions**  
 mental and physical functions related to the sexual act, including the arousal, preparatory, orgasmic, and resolution stages
- Inclusions: functions related to sexual interest, performance, penile erection, clitoral erection, vaginal lubrication, ejaculation, orgasm; impotence, frigidity, vaginismus, premature ejaculation, maintaining erection, delayed ejaculation*
- Exclusions: procreation functions (b660); sensations associated with genital and reproductive functions (b670)*
- b6400 Functions of sexual arousal phase**  
 functions of sexual interest and excitement
- b6401 Functions of sexual preparatory phase**  
 functions of engaging in sexual intercourse
- b6402 Functions of orgasmic phase**  
 functions of reaching orgasm
- b6403 Functions of sexual resolution phase**  
 functions of satisfaction after orgasm and accompanying relaxation
- Inclusion: dissatisfaction with organism*
- b6408 Other specified sexual functions**
- b6409 Unspecified sexual functions**
- b650 Menstruation functions**  
 functions associated with the menstrual cycle, including regularity of menstruation and discharge of menstrual fluids
- Inclusions: functions of regularity and interval of menstruation, extent of menstrual bleeding, menarche, menopause; premenstrual tension, primary and secondary amenorrhoea, menorrhagia, polymenorrhoea, retrograde menstruation*
- Exclusions: sexual functions (b640); procreation functions (b660); sensations associated with genital and reproductive functions (b670); sensation of pain (b275)*
- b6500 Regularity of menstrual cycle**  
 functions involved in the regularity of the menstrual cycle
- Inclusions: too frequent or too few occurrences of menstruation*
- b6501 Interval between menstruation**  
 period between two menstrual cycle
- b6502 Extent of menstrual bleeding**  
 functions involved in the quantity of menstrual flow
- Inclusions: too little menstrual flow hypomenorrhoea; too much menstrual flow (menorrhagia, hypermenorrhoea)*
- b6508 Other specified menstruation functions**
- b6509 Unspecified menstruation functions**

- b660 Procreation functions**  
functions associated with fertility, pregnancy, childbirth and lactation
- Inclusions: functions of male fertility and female fertility, multiple pregnancy; subfertility, sterility, azoospermia, oligozoospermia, spontaneous abortions, ectopic pregnancy, miscarriage, small fetus, hydroamnios, premature childbirth, delayed childbirth, galactorrhoea, agalactorrhoea, alactation*
- Exclusions: sexual functions (b640); menstruation functions (b650)*
- b6600 Functions related to fertility**  
functions related to the ability to produce gametes for procreations
- Inclusions: subfertility, sterility*
- Exclusion: Sexual functions (b640)*
- b6601 Functions related to pregnancy**  
functions involved becoming pregnant and being pregnant
- b6602 Functions related to childbirth**  
functions involved during childbirth
- b6603 Lactation**  
functions involved in the production of milk and making it available to the child
- b6608 Other specified procreation functions**
- b6609 Unspecified procreation functions**
- b670 Sensations associated with genital and reproductive functions**  
sensations such as discomfort during sexual intercourse and during menstrual cycle
- Inclusions: sensations of dyspareunia, dysmenorrhoea, hot flushes during menopause, night sweats during menopause*
- Exclusions: sensation of pain (b275); sensations associated with urinary functions (b630); sexual functions (b640); menstruation functions (b650); procreation functions (b660)*
- b6700 Discomfort associated with sexual intercourse**  
sensations associated with sexual arousal, preparation, intercourse, orgasm and resolution
- b6701 Discomfort associated with the menstrual cycle**  
sensations involved with menstruation including pre and post menstrual phases
- b6702 Discomfort associated with cessation of menstrual cycle**  
sensations associated with menopause
- Inclusions: hot flushes and night sweats during menopause*
- b6708 Other specified sensations associated with genital and reproductive functions**
- b6709 Unspecified sensations associated with genital and reproductive functions**
- b679 Other specified and unspecified genital and reproductive functions**
- b698 Other specified genitourinary and reproductive functions**
- b699 Unspecified genitourinary and reproductive functions**

## **CHAPTER 7 NEUROMUSCULOSKELETAL AND MOVEMENT RELATED FUNCTIONS**

This chapter is about the functions of movement and mobility, including functions of joints, bones, reflexes and muscles.

### **FUNCTIONS OF THE JOINTS AND BONES (b710-b729)**

- b710      Mobility of joints functions**  
functions of the range and ease of movement of a joint
- Inclusions: functions of mobility of single or several joints, vertebral, shoulder, elbow, wrist, hip, knee, ankle, small joints of hands and feet; mobility of joints generalized; hypermobility of joints, frozen joints, frozen shoulder, arthritis*
- Exclusions: stability of joints functions (b715); control of voluntary movements functions (b760)*
- b7100      Mobility of a single joint**  
functions of the range and ease of movement of one joint
- b7101      Mobility of several joints**  
functions of the range and ease of movement of more than one joint
- b7102      Mobility of joints generalised**  
functions of the range and ease of movement of joints throughout the body
- b7108      Other specified mobility of joints functions**
- b7109      Unspecified mobility of joints functions**
- b715      Stability of joints functions**  
functions of the maintenance of structural integrity of the joints
- Inclusions: functions of the stability of a single joint, several joints, and joints generalized; unstable shoulder joint, dislocation of a joint, dislocation of shoulder and hip*
- Exclusions: mobility of joints functions (b710)*
- b7150      Stability of a single joint**  
functions of the maintenance of structural integrity of one joint
- b7151      Stability of several joints**  
functions of the maintenance of structural integrity of more than one joint
- b7152      Stability of joints generalised**  
functions of the maintenance of structural integrity of joints throughout the body
- b7158      Other specified stability of joints functions**
- b7159      Unspecified stability of joints functions**
- b720      Mobility of bones functions**  
functions of the range and ease of movement of specific bone groups, that is scapula, pelvis, carpal and tarsal bones
- Inclusions: frozen scapula and frozen pelvis*
- Exclusions: mobility of joints functions (b710)*

- b7200      Mobility of scapula**  
functions of the range and ease of movement of the scapula  
*Inclusions: protraction, retrotraction, laterorotation, medial rotation of the scapula*
- b7201      Mobility of the pelvis**  
functions of the range and ease of movement of the pelvis  
*Inclusions: rotation of the pelvis*
- b7202      Mobility of carpal bones**  
functions of the range and ease of movement of the carpal bones
- b7203      Mobility of tarsal bones**  
functions of the range and ease of movement of the tarsal bones

**b729      Other specified and unspecified functions of the joints and bones**

**MUSCLE FUNCTIONS (b730-b749)**

- b730      Muscle power functions**  
functions related to the force generated by the contraction of a muscle or muscle groups  
*Inclusions: functions associated with the power of specific muscles and muscle groups, including weakness of small muscles in feet and hands, muscles of one limb, of one side of the body, of lower half of body, of all limbs, of the trunk, and of all muscles of the body; muscle paresis, muscle paralysis, monoplegia, hemiplegia, paraplegia, quadriplegia, akinetic mutism*  
*Exclusions: muscle tone functions (b735); muscle endurance functions (b740); functions of eye muscles (b215)*
- b7300      Power of isolated muscles and muscle groups**  
functions related to the force generated by the contraction of specific and isolated muscles and muscle groups  
*Inclusions; weakness of small muscles of feet or hands*
- b7301      Power of muscles of one limb**  
functions related to the force generated by the contraction of the muscles and muscle groups of one arm or leg  
*Inclusion: such as in monoparesis and monoplegia*
- b7302      Power of muscles of one side of the body**  
functions related to the force generated by the contraction of the muscles and muscle groups found on the left or right side of the body  
*Inclusions: such as in hemiparesis and hemiplegia*
- b7303      Power of muscles in lower half of body**  
functions related to the force generated by the contraction of the muscles and muscle groups found in the lower half of the body  
*Inclusions: such as in paraparesis and paraplegia*
- b7304      Power of muscles of all limbs**  
functions related to the force generated by the contraction of muscles and muscle groups of all four limbs  
*Inclusions: such as in tetraparesis and tetraplegia*

- b7305**      **Power of muscles of trunk**  
functions related to the force generated by the contraction of muscles and muscle groups in the trunk
- b7306**      **Power of all muscles of the body**  
functions related to the force generated by the contraction of all muscles and muscle groups of the body  
*Inclusions: such as in akinetic mutism*
- b7308**      **Other specified muscle power functions**
- b7309**      **Unspecified muscle power functions**
- b735**        **Muscle tone functions**  
functions related to the tension present in the resting muscles and the resistance offered when trying to move the muscle passively  
*Inclusions: functions associated with the tension of isolated muscles and muscle groups, muscles of one limb, one side of body, the lower half of body, muscles of all limbs, of the trunk and of all muscles of the body; hypotonia, hypertonia, muscle spasticity*  
*Exclusions: muscle power functions (b730); muscle endurance functions (b740)*
- b7350**      **Tone of isolated muscles and muscle groups**  
functions related to the tension present in the resting isolated muscles and muscle groups and the resistance offered when trying to move those muscles passively  
*Inclusions: such as in focal dystonias, e.g. torticollis*
- b7351**      **Tone of muscles of one limb**  
functions related to the tension present in the resting muscles and muscle groups in one arm or leg and the resistance offered when trying to move those muscles passively  
*Inclusions: such as in monoparesis and monoplegia*
- b7352**      **Tone of muscles of one side of body**  
functions related to the tension present in the resting muscles and muscle groups of the right or left side of the body and the resistance offered when trying to move those muscles passively  
*Inclusions: such as in hemiparesis and hemiplegia*
- b7353**      **Tone of muscles of lower half of body**  
functions related to the tension present in the resting muscles and muscle groups in the lower half of the body and the resistance offered when trying to move those muscles passively  
*Inclusions: such as in paraparesis and paraplegia*
- b7354**      **Tone of muscles of all limbs**  
functions related to the tension present in the resting muscles and muscle groups in all four limbs and the resistance offered when trying to move those muscles passively  
*Inclusions: such as in tetraparesis and tetraplegia*
- b7355**      **Tone of muscles of trunk**  
functions related to the tension present in the resting muscles and muscle groups of the trunk and the resistance offered when trying to move those muscles passively

- b7356**      **Tone of all muscles of the body**  
 functions related to the tension present in the resting muscles and muscle groups of the whole body and the resistance offered when trying to move those muscles passively
- Inclusions: such as in generalized dystonias and Parkinson's disease, or general paraesis and paralysis*
- b7358**      **Other specified muscle tone functions**
- b7359**      **Unspecified muscle tone functions**
- b740**      **Muscle endurance functions**  
 functions related to sustaining muscle contraction for the required period of time
- Inclusions: functions associated with sustaining muscle contraction for isolated muscles and muscle groups, and all muscles of the body; myasthenia gravis*
- Exclusions: exercise tolerance functions (b455); muscle power functions (b730); muscle tone functions (b735)*
- b7400**      **Endurance of isolated muscles**  
 functions related to sustaining muscle contraction of isolated muscles for the required period of time
- b7401**      **Endurance of muscle groups**  
 functions related to sustaining muscle contraction of isolated muscle groups for the required period of time
- Inclusions: such as in monoparesis, monoplegia, hemiparesis and hemiplegia, paraparesis and paraplegia*
- b7402**      **Endurance of all muscles of the body**  
 functions related to sustaining muscle contraction of all muscles of the body for the required period of time
- Inclusions: such as in tetraparesis, tetraplegia, general paraesis and paralysis*
- b7408**      **Other specific muscle endurance functions**
- b7409**      **Unspecified muscle endurance functions**
- b749**      **Other specified and unspecified muscle functions**

## MOVEMENT FUNCTIONS (b750-b779)

- b750**      **Motor reflex functions**  
 functions of involuntary contraction of muscles automatically induced by specific stimuli
- Inclusions: functions of stretch motor reflex, automatic local joint reflex, reflexes generated by noxious stimuli and other exteroceptive stimuli; withdrawal reflex, biceps reflex, radius reflex, quadriceps reflex, patellar reflex, ankle reflex*
- b7500**      **Stretch motor reflex**  
 functions of involuntary contractions of muscles automatically induced by stretching
- b7501**      **Reflexes generated by noxious stimuli**  
 functions of involuntary contractions of muscles automatically induced by painful or other noxious stimuli
- Inclusions: withdrawal reflex*

- b7502 Reflexes generated by other exteroceptive stimuli**  
functions of involuntary contractions of muscles automatically induced by other external stimuli
- b7508 Other specified motor reflex functions**
- b7509 Unspecified motor reflex functions**
- b755 Involuntary movement reactions functions**  
functions of involuntary contractions of large muscles or the whole body induced by body position, balance and threatening stimuli
- Inclusions: functions of postural reactions, rightening reactions, body adjustment reactions, balance reactions, supporting reactions, defensive reactions*
- Exclusions: motor reflex functions (b750)*
- b760 Control of voluntary movements functions**  
functions associated with the control over and coordination of voluntary movements
- Inclusions: functions of control of simple voluntary movements, of complex voluntary movements, coordination of voluntary movements, supportive functions of arm or leg, right-left motor coordination, eye-hand coordination, eye-foot coordination; control and coordination problems, such dysdiadochokinesia*
- Exclusions: muscle power functions (b730); involuntary movements functions (b765); gait pattern functions (b770)*
- b7600 Control of simple voluntary movements**  
functions associated with the control over and coordination of simple or isolated voluntary movements
- b7601 Control of complex voluntary movements**  
functions associated with the control over and coordination of complex voluntary movements
- b7602 Co-ordination of voluntary movements**  
functions associated with the coordination of simple and complex voluntary movements, performing movements in an orderly combination
- Inclusions: dysdiadochokinesia; right-left coordination; coordination of visually directed movements, such as eye-hand coordination and eye-foot coordination*
- b7603 Supportive functions of arm or leg**  
functions associated with the control over and coordination of voluntary movements by taking weight either on the arms (elbows or hands) or on the legs (knees or feet)
- b7608 Other specified control of voluntary movements functions**
- b7609 Unspecified control of voluntary movements functions**
- b765 Involuntary movements functions**  
functions of unintentional, non- or semi-purposive involuntary contractions of a muscle or group of muscles
- Inclusions: involuntary contractions of muscles, tremors, tics, mannerisms, stereotypies, motor perseveration, chorea, athetosis, vocal tics, dystonic movements, dyskinesia*
- Exclusions: control of voluntary movements functions (b760); gait pattern functions (b770)*

- b7650 Involuntary contractions of muscles**  
functions of unintentional, non- or semi-purposive involuntary contractions of a muscle or group of muscles, such as those involved in part of a psychological dysfunction  
*Inclusions: choreatic and athetotic movements; sleep-related movement disorders*
- b7651 Tremor**  
functions of alternating contraction and relaxation of a group of muscles around a joint, resulting in shakiness
- b7652 Tics and mannerisms**  
functions of repetitive, quasi-purposive, involuntary contractions of a group of muscles  
*Inclusions: vocal tics, coprolalia, bruxism*
- b7653 Stereotypies and motor perseveration**  
functions of spontaneous, non-purposive movements such as repetively rocking to and fro and nodding the head or wiggling
- b7658 Other specified involuntary movements functions**
- b7659 Unspecified involuntary movements functions**
- b770 Gait pattern functions**  
functions of movement patterns associated with walking, running or other whole body movements  
*Inclusions: walking patterns and running patterns; spastic gait, hemiplegic gait, paraplegic gait, asymmetric gait, limping, stiff gait pattern*  
*Exclusion: muscle power functions (b730); muscle tone functions (b735); control of voluntary movements functions (b760); involuntary movements functions (b765)*
- b779 Other specified and unspecified movement functions**
- b780 Sensations related to muscles and movement functions**  
sensations such as the feeling of muscle stiffness, muscle spasm, discomfort while walking  
*Inclusions: sensations of tightness of muscles, heaviness of muscles, constrictions of muscles*  
*Exclusions: sensation of pain (b275)*
- b7800 Sensation of muscle stiffness**  
sensation of the tightness or stiffness of muscles
- b7801 Sensation of muscle spasm**  
sensation of an involuntary contraction of a muscle or a groups of muscles
- b7808 Other specified sensations related to muscles and movement functions**
- b7809 Unspecified sensations related to muscles and movement functions**
- b798 Other specified neuromusculoskeletal and movement related functions**
- b799 Unspecified neuromusculoskeletal and movement related functions**

## **CHAPTER 8 FUNCTIONS OF THE SKIN AND RELATED STRUCTURES**

This chapter is about the function of skin, nails and hair.

### **FUNCTIONS OF THE SKIN (b810-b849)**

- b810 Protective functions of the skin**  
functions of the skin for protecting the body from physical, chemical and biological threats
- Inclusions: functions of protecting against the sun and other radiation, photosensitivity, pigmentation, quality of skin, insulating function of skin, callous formation, hardening; broken skin, ulcers, bed sores, thinning of skin*
- Exclusions: repair functions of the skin (b820); other functions of the skin (b830)*
- b820 Repair functions of the skin**  
functions of the skin for repairing breaks and other damage to the skin
- Inclusions: functions of scab formation, healing, scarring; bruising, keloid formation*
- Exclusions: protective functions of the skin (b810); other functions of the skin (b830)*
- b830 Other functions of the skin**  
functions of the skin other than protective and repair
- Inclusions: functions of sweating, glandular functions of the skin, body odour*
- Exclusions: protective functions of the skin (b810); repair functions of the skin (b820)*
- b840 Sensation related to the skin**  
sensations related to the skin such as itching, burning sensation, tingling
- Inclusions: pins and needles sensation, crawling sensation*
- Exclusions: sensation of pain (b285)*
- b849 Other specified and unspecified functions of the skin**

### **FUNCTIONS OF THE HAIR AND NAILS (b850-b869)**

- b850 Functions of hair**  
functions of the hair, such as protection and appearance
- Inclusions: functions of growth of hair, pigmentation of hair, location of hair; loss of hair, alopecia*
- b860 Functions of nails**  
functions of the nails, such as in protection, scratching and appearance
- Inclusions: growth and pigmentation of nails, quality of nails*
- b869 Other specified and unspecified functions of the hair and nails**
- b898 Other specified functions of the skin and related structures**
- b899 Unspecified functions of the skin and related structures**

## BODY STRUCTURE

Definition: Body structures are anatomical parts of the body such as organs, limbs and their components. Impairments are problems in body function or structure as a significant deviation or loss.

### First qualifier

Uniform qualifier with the negative scale used to indicate the extent or magnitude of an impairment

<b>xxx.0</b>	NO impairment	(none, absent, negligible... )	0-4 %
<b>xxx.1</b>	MILD impairment	(slight, low...)	5-24 %
<b>xxx.2</b>	MODERATE impairment	(medium, fair...)	25-49 %
<b>xxx.3</b>	SEVERE impairment	(high, extreme, ...)	50-95 %
<b>xxx.4</b>	COMPLETE impairment	(total...)	96-100 %
<b>xxx.8</b>	not specified		
<b>xxx.9</b>	not applicable		

### Second qualifier

To be developed to indicate region

Suggested scheme:

- 0 = more than one region
- 1 = right
- 2 = left
- 3 = both sides
- 4 = front
- 5 = back
- 6 = proximal
- 7 = distal
- 8 = not specified
- 9 = not applicable

**CHAPTER 1 STRUCTURE OF THE NERVOUS SYSTEM**

- s110**        **Structure of brain**
  - s1100**        **Structure of cortical lobes**
    - s11000**        **Frontal lobe**
    - s11001**        **Temporal lobe**
    - s11002**        **Parietal lobe**
    - s11003**        **Occipital lobe**
    - s11008**        **Other specified structure of cortical lobes**
    - s11009**        **Unspecified structure of cortical lobes**
  - s1101**        **Structure of midbrain**
  - s1102**        **Structure of diencephalon**
  - s1103**        **Basal ganglia and related structures**
  - s1104**        **Structure of brain stem**
    - s11040**        **Medulla oblongata**
    - s11041**        **Pons**
    - s11048**        **Other specified structure of brain stem**
    - s11049**        **Unspecified structure of brain stem**
  - s1105**        **Structure of cranial nerves**
  - s1108**        **Other specified structure of brain**
  - s1109**        **Unspecified structure of brain**
- s120**        **Spinal cord and related structures**
  - s1200**        **Structure of spinal cord**
    - s12000**        **Cervical spinal cord**
    - s12001**        **Thoracic spinal cord**
    - s12002**        **Lumbosacral spinal cord**
    - s12003**        **Cauda equina**
    - s12008**        **Other specified spinal cord**
    - s12009**        **Unspecific structure of spinal cord**
  - s1201**        **Spinal nerves**
  - s1208**        **Other specified spinal cord and related structures**
  - s1209**        **Unspecified spinal cord and related structures**

- s130        Structure of meninges**
- s140        Structure of sympathetic nervous system**
- s150        Structure of parasympathetic nervous system**
- s198        Other specified structure of the nervous system**
- s199        Unspecified structure of the nervous system**

**CHAPTER 2 THE EYE, EAR AND RELATED STRUCTURES**

- s210**        **Structure of eye socket**
- s220**        **Structure of the eyeball**
  - s2200**        **Conjunctiva, sclera, choroid**
  - s2201**        **Cornea**
  - s2202**        **Iris**
  - s2203**        **Retina**
  - s2204**        **Lens of eyeball**
  - s2205**        **Vitreous body**
  - s2208**        **Other specified structure of the eyeball**
  - s2209**        **Unspecified structure of the eyeball**
- s230**        **Structures around the eye**
  - s2300**        **Lachrymal gland and related structures**
  - s2301**        **Eyelid**
  - s2302**        **Eyebrow**
  - s2303**        **External ocular muscles**
  - s2308**        **Other specified structures around the eye**
  - s2309**        **Unspecified structures around the eye**
- s240**        **Structure of the external ear**
- s250**        **Structure of the middle ear**
  - s2500**        **Tympanic membrane**
  - s2501**        **Eustachian canal**
  - s2502**        **Ossicles**
  - s2508**        **Other specified structure of the middle ear**
  - s2509**        **Unspecified structure of the middle ear**
- s260**        **Structure of the inner ear**
  - s2600**        **Cochlea**
  - s2601**        **Vestibular labyrinth**
  - s2602**        **Semicircular canals**
  - s2603**        **Internal auditory meatus**
  - s2608**        **Other specified structure of the inner ear**

- s2609**      **Unspecified structure of the inner ear**
- s298**      **Other specified eye, ear and related structures**
- s299**      **Unspecified eye, ear and related structures**

**CHAPTER 3 STRUCTURES INVOLVED IN VOICE AND SPEECH**

- s310**            **Structure of the nose**
  - s3100**            **External nose**
  - s3101**            **Nasal septum**
  - s3102**            **Nasal fossae**
  - s3108**            **Other specified structure of the nose**
  - s3109**            **Unspecified structure of the nose**
  
- s320**            **Structure of the mouth**
  - s3200**            **Teeth**
  - s3201**            **Gums**
  - s3202**            **Structure of the palate**
    - s32020**            **Hard palate**
    - s32021**            **Soft palate**
  - s3203**            **Tongue**
  - s3204**            **Structure of the lip**
    - s32040**            **Upper lip**
    - s32041**            **Lower lip**
  - s3208**            **Other specified structure of the mouth**
  - s3209**            **Unspecified structure of the mouth**
  
- s330**            **Structure of the pharynx**
  - s3300**            **Nasal pharynx**
  - s3301**            **Oral pharynx**
  - s3308**            **Other specified structure of the pharynx**
  - s3309**            **Unspecified structure of the pharynx**
  
- s340**            **Structure of larynx**
  - s3400**            **Vocal folds**
  - s3408**            **Other specified structure of the larynx**
  - s3409**            **Unspecified structure of the larynx**
  
- s398**            **Other specified structures involved in voice and speech**
  
- s399**            **Unspecified structures involved in voice and speech**

**CHAPTER 4 STRUCTURE OF THE CARDIOVASCULAR,  
IMMUNOLOGICAL AND RESPIRATORY SYSTEMS**

- s410**            **Structure of cardiovascular system**
  - s4100**            **Heart**
    - s41000**          **Atria**
    - s41001**          **Ventricles**
    - s41008**          **Other specified structure of the heart**
    - s41009**          **Unspecified structure of the heart**
  - s4101**            **Arteries**
  - s4102**            **Veins**
  - s4103**            **Capillaries**
  - s4108**            **Other specified structures of cardiovascular system**
  - s4109**            **Unspecified structure of cardiovascular system**
- s420**            **Structure of immune system**
  - s4200**            **Lymphatic vessels**
  - s4201**            **Lymphatic nodes**
  - s4202**            **Thymus**
  - s4203**            **Spleen**
  - s4204**            **Bone marrow**
  - s4208**            **Other specified structures of immune system**
  - s4209**            **Unspecified structures of immune system**
- s430**            **Structure of respiratory system**
  - s4300**            **Trachea**
  - s4301**            **Lungs**
    - s43010**          **Bronchial tree**
    - s43011**          **Alveoli**
    - s43018**          **Other specified structure of the lungs**
    - s43019**          **Unspecified structure of the lungs**
  - s4302**            **Thoracic cage**
  - s4303**            **Muscles of respiration**
    - s43030**          **Intercostal muscles**

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<b>s43031</b>	<b>Diaphragm</b>
<b>s43038</b>	<b>Other specified muscles of respiration</b>
<b>s43039</b>	<b>Unspecified muscles of respiration</b>
<b>s4308</b>	<b>Other specified structures of respiratory system</b>
<b>s4309</b>	<b>Unspecified structures of respiratory system</b>
<b>s498</b>	<b>Other specified structures of the cardiovascular, immunological and respiratory systems</b>
<b>s499</b>	<b>Unspecified structures of the cardiovascular, immunological and respiratory systems</b>

**CHAPTER 5 STRUCTURES RELATED TO THE DIGESTIVE,  
METABOLISM AND ENDOCRINE SYSTEMS**

- s510        **Structure of salivary glands**
- s520        **Structure of oesophagus**
- s530        **Structure of stomach**
- s540        **Structure of intestine**
  - s5400       **Small intestine**
  - s5401       **Large intestine**
  - s5408       **Other specified structure of intestine**
  - s5409       **Unspecified structure of intestine**
- s550        **Structure of pancreas**
- s560        **Structure of liver**
- s570        **Structure of gall bladder and ducts**
- s580        **Structure of endocrinological glands**
  - s5800       **Pituitary gland**
  - s5801       **Thyroid gland**
  - s5802       **Parathyroid gland**
  - s5803       **Adrenal gland**
  - s5808       **Other specified structure of endocrinological glands**
  - s5809       **Unspecified structure of endocrinological glandss**
- s598        **Other specified structures related to the digestive, metabolism and endocrine systems**
- s599        **Unspecified structures related to the digestive, metabolism and endocrine systems**

**CHAPTER 6 STRUCTURE RELATED TO GENITOURINARY SYSTEM**

<b>s610</b>	<b>Structure of urinary system</b>
<b>s6100</b>	<b>Kidney</b>
<b>s6101</b>	<b>Ureters</b>
<b>s6102</b>	<b>Urinary bladder</b>
<b>s6103</b>	<b>Urethra</b>
<b>s6108</b>	<b>Other specified structures of urinary system</b>
<b>s6109</b>	<b>Unspecified structures of urinary system</b>
<b>s620</b>	<b>Structure of pelvic floor</b>
<b>s630</b>	<b>Structure of reproductive system</b>
<b>s6300</b>	<b>Ovaries</b>
<b>s6301</b>	<b>Uterus</b>
<b>s63010</b>	<b>Body of uterus</b>
<b>s63011</b>	<b>Cervix</b>
<b>s63012</b>	<b>Fallopian tubes</b>
<b>s63018</b>	<b>Other specified structures of the uterus</b>
<b>s63019</b>	<b>Unspecified structures of the uterus</b>
<b>s6302</b>	<b>Breast and nipple</b>
<b>s6303</b>	<b>Vagina and external genitalia</b>
<b>s63030</b>	<b>Clitoris</b>
<b>s63031</b>	<b>Labia majora</b>
<b>s63032</b>	<b>Labia minora</b>
<b>s6304</b>	<b>Testes</b>
<b>s6305</b>	<b>Penis</b>
<b>s63050</b>	<b>Glans penis</b>
<b>s63051</b>	<b>Shaft of penis</b>
<b>s63058</b>	<b>Other specified structures of the penis</b>
<b>s63059</b>	<b>Unspecified structures of the penis</b>
<b>s6306</b>	<b>Prostate</b>
<b>s6308</b>	<b>Other specified structures of reproductive system</b>
<b>s6309</b>	<b>Unspecified structures of reproductive system</b>
<b>s698</b>	<b>Other specified structures related to genitourinary system</b>
<b>s699</b>	<b>Unspecified structures related to genitourinary system</b>

**CHAPTER 7 STRUCTURE RELATED TO MOVEMENT**

- s710**        **Structure of head and neck region**
  - s7100**        **Bones of cranium**
  - s7101**        **Bones of face**
  - s7102**        **Bones of neck region**
  - s7103**        **Joints of head and neck region**
  - s7104**        **Muscles of head and neck region**
  - s7105**        **Ligaments and fasciae of head and neck region**
  - s7108**        **Other specified structures of head and neck region**
  - s7109**        **Unspecified structures of head and neck region**
  
- s720**        **Structure of shoulder region**
  - s7200**        **Bones of shoulder region**
  - s7201**        **Joints of shoulder region**
  - s7202**        **Muscles of shoulder region**
  - s7203**        **Ligaments and fasciae of shoulder region**
  - s7208**        **Other specified structures of shoulder region**
  - s7209**        **Unspecified structures of shoulder region**
  
- s730**        **Structure of upper extremity**
  - s7300**        **Upper arm**
    - s73000**        **Bones of upper arm**
    - s73001**        **Elbow joint**
    - s73002**        **Muscles of upper arm**
    - s73003**        **Ligaments and fasciae of upper arm**
    - s73008**        **Other specified structure of upper arm**
    - s73009**        **Unspecified structure of upper arm**
  - s7301**        **Forearm**
    - s73010**        **Bones of forearm**
    - s73011**        **Wrist joint**
    - s73012**        **Muscles of forearm**
    - s73013**        **Ligaments and fasciae of forearm**
    - s73018**        **Other specified structure of forearm**
    - s73019**        **Unspecified structure of forearm**

<b>s7302</b>	<b>Hand</b>
<b>s73020</b>	<b>Bones of hand</b>
<b>s73021</b>	<b>Joints of hand and fingers</b>
<b>s73022</b>	<b>Muscles of hand</b>
<b>s73023</b>	<b>Ligaments and fasciae of hand</b>
<b>s73028</b>	<b>Other specified structure of hand</b>
<b>s73029</b>	<b>Unspecified structure of hand</b>
<b>s740</b>	<b>Structure of pelvic region</b>
<b>s7400</b>	<b>Bones of pelvic region</b>
<b>s7401</b>	<b>Joints of pelvic region</b>
<b>s7402</b>	<b>Muscles of pelvic region</b>
<b>s7403</b>	<b>Ligaments and fasciae of pelvic region</b>
<b>s7408</b>	<b>Other specified structures of pelvic region</b>
<b>s7409</b>	<b>Unspecified structures of pelvic region</b>
<b>s750</b>	<b>Structure of lower extremity</b>
<b>s7500</b>	<b>Thigh</b>
<b>s75000</b>	<b>Bones of thigh</b>
<b>s75001</b>	<b>Hip joint</b>
<b>s75002</b>	<b>Muscles of thigh</b>
<b>s75003</b>	<b>Ligaments and fasciae of thigh</b>
<b>s75008</b>	<b>Other specified structures of the thigh</b>
<b>s75009</b>	<b>Unspecified structures of the thigh</b>
<b>s7501</b>	<b>Lower leg</b>
<b>s75010</b>	<b>Bones of lower leg</b>
<b>s75011</b>	<b>Knee joint</b>
<b>s75012</b>	<b>Muscles of lower leg</b>
<b>s75013</b>	<b>Ligaments and fasciae of lower leg</b>
<b>s75018</b>	<b>Other specified structures of the lower leg</b>
<b>s75019</b>	<b>Unspecified structures of the lower leg</b>
<b>s7502</b>	<b>Ankle and foot</b>
<b>s75020</b>	<b>Bones of ankle and foot</b>
<b>s75021</b>	<b>Ankle joint and joints of foot and toes</b>

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<b>s75022</b>	<b>Muscles of ankle and foot</b>
<b>s75023</b>	<b>Ligaments and fasciae of ankle and foot</b>
<b>s75028</b>	<b>Other specified structures of the ankle and foot</b>
<b>s75029</b>	<b>Unspecified structures of the ankle and foot</b>
<b>s760</b>	<b>Structure of trunk</b>
<b>s7600</b>	<b>Vertebral column</b>
<b>s76000</b>	<b>Cervical vertebral column</b>
<b>s76001</b>	<b>Thoracic vertebral column</b>
<b>s76002</b>	<b>Lumbar vertebral column</b>
<b>s76003</b>	<b>Sacral vertebral column</b>
<b>s76004</b>	<b>Coccyx</b>
<b>s7601</b>	<b>Muscles of trunk</b>
<b>s7602</b>	<b>Ligaments and fasciae of trunk</b>
<b>s7608</b>	<b>Other specified structures of trunk</b>
<b>s7609</b>	<b>Unspecified structures of trunk</b>
<b>s770</b>	<b>Additional musculoskeletal structure related to movement</b>
<b>s7700</b>	<b>Bones</b>
<b>s7701</b>	<b>Joints</b>
<b>s7702</b>	<b>Muscles</b>
<b>s7703</b>	<b>Extra-articular ligaments, fasciae, extramuscular aponeuroses, retinacula, septa, bursae, unspecified</b>
<b>s7708</b>	<b>Other specified additional musculoskeletal structures related to movement</b>
<b>s7709</b>	<b>Unspecified additional musculoskeletal structures related to movement</b>
<b>s798</b>	<b>Other specified structures related to movement</b>
<b>s799</b>	<b>Unspecified structures related to movement</b>

**CHAPTER 8 SKIN AND RELATED STRUCTURES**

- s810**            **Structure of areas of skin**
  - s8100**            **Skin of the head and neck region**
  - s8101**            **Skin of the shoulder region**
  - s8102**            **Skin of upper extremity**
  - s8103**            **Skin of pelvic region**
  - s8104**            **Skin of lower extremity**
  - s8105**            **Skin of trunk and back**
  - s8108**            **Other specified structure of areas of skin**
  - s8109**            **Unspecified structure of areas of skin**
  
- s820**            **Structure of skin glands**
  - s8200**            **Sweat glands**
  - s8201**            **Sebaceous glands**
  - s8208**            **Other specified structure of skin glands**
  - s8209**            **Unspecified structure of skin glands**
  
- s830**            **Structure of nails**
  - s8300**            **Finger nails**
  - s8301**            **Toe nails**
  - s8308**            **Other specified structure of nails**
  - s8309**            **Unspecified structure of nails**
  
- s840**            **Structure of hair**
  
- s898**            **Other specified skin and related structures**
  
- s899**            **Unspecified skin and related structures**

## ACTIVITIES

Definition: Activity is the performance of a task or action by an individual. Activity limitations are difficulties in performance of activities.

### First qualifier

Uniform qualifier with the negative scale used to indicate degree of difficulty in accomplishing an activity.

<b>xxx.0</b>	NO difficulty	(none, absent, negligible... )	0-4 %
<b>xxx.1</b>	MILD difficulty	(slight, low...)	5-24 %
<b>xxx.2</b>	MODERATE difficulty	(medium, fair...)	25-49 %
<b>xxx.3</b>	SEVERE difficulty	(high, extreme, ...)	50-95 %
<b>xxx.4</b>	COMPLETE difficulty	(total...)	96-100 %
<b>xxx.8</b>	not specified		
<b>xxx.9</b>	not applicable		

If only the first qualifier is used, it implies the level of difficulty without the use of assistive devices or personal help. If the first qualifier is used in conjunction with the second qualifier then the first qualifier now implies that this is the level of difficulty using an assistive device or personal help.

### Second qualifier

Assistance

0 = no assistance used

1 = non-personal assistance (this includes use of assistive devices, technical aids, adaptations, prostheses, wheelchair, cane and other material help)

2 = personal assistance (where the task is carried out with the "help" of another individual, where "help" includes supervision and cuing as well as physical help)

3 = both non-personal and personal assistance

9 = level of assistance unknown

## **CHAPTER 1 ACTIVITIES OF LEARNING AND APPLYING KNOWLEDGE**

This chapter is about the basic and complex activities required for learning, applying the knowledge that is learned, thinking, problem-solving and decision-making.

### **LEARNING ACTIVITIES (a110-a139)**

- a110 Purposeful sensory activities**  
actions of using the body's basic senses intentionally or for some purpose, such as learning or experience
- Inclusions: activities of watching, listening, observing, tasting, smelling, feeling by touch*
- a1100 Watching activity**  
actions of focusing on visual stimuli intentionally or for some purpose, such as learning or experiencing
- a1101 Listening activity**  
actions of focusing on auditory stimuli intentionally or for some purpose, such as learning or experiencing
- a1108 Other specified purposeful sensory activities**
- a1109 Unspecified purposeful sensory activities**
- a115 Basic learning activities**  
elementary activities required for the acquisition of knowledge and skills
- Inclusions: activities of paying attention, copying, mimicking, recalling, rehearsing, repeating, practising*
- a1150 Paying attention**  
elementary actions of focusing the body's basic senses as a component of learning
- a1151 Copying**  
elementary actions of imitating one or more activities as a component of learning
- a1152 Recalling**  
elementary actions of bringing to mind previously acquired knowledge or experience as a component to learning
- a1153 Rehearsing**  
elementary actions of repeating a sequence of physical or mental activities as a component of learning
- a1158 Other specified basic learning activities**
- a1159 Unspecified basic learning activities**
- a120 Activities of learning to read**  
basic actions required to develop competence to read material in a language
- Inclusions: activities of developing competence in recognizing characters and alphabets and sounding out words and longer passages to elicit their meaning*
- a125 Activities of learning to write**  
basic actions required to develop competence to produce symbols that are used to represent sounds and words or phrases in a language in order to convey meaning

- a130      Activities of learning to calculate**  
basic actions required to develop competence in manipulating numbers and performing simple and complex mathematical operations
- a135      Activities of acquiring skills**  
basic actions required to acquire and develop competence in a skill or collection of tasks
- Inclusions: activities of comprehending nature of a skill, initiating acquisition of a skill, following through with acquisition of a skill*
- a1350      Comprehending nature of a skill**  
basic actions of focusing on and understanding the elements necessary to initiate and complete acquisition of a specific skill
- a1351      Initiating acquisition of a skill**  
performing the basic actions needed to begin the acquisition of a skill, and taking the required preparatory actions
- a1352      Following through acquisition of a skill**  
basic actions of carrying out the steps required to complete the acquisition of a skill
- Inclusions: actions of understanding the order of steps required for a skill acquisition, learning by copying or rehearsing the required steps, perfecting the timing of the component elements of a skill, coordinating the steps required to initiate and complete skill acquisition*
- a1358      Other specified activities of acquiring skills**
- a1359      Unspecified activities of acquiring skills**
- a139      Other specified and unspecified learning activities**

## ACTIVITIES OF APPLYING KNOWLEDGE (a140-a159)

- a140      Thinking activities**  
mental actions and tasks of formulating and manipulating ideas, concepts and images
- Inclusions: activities of goal-directed thinking: logical thinking, critical thinking, deliberating, considering; and non goal-directed thinking: creating mental images, imagining, ruminating, pondering, contemplating, reflecting, speculating*
- Exclusions: basic learning activities (a115), problem solving activities (a145), decision making activities (a150)*
- a145      Problem solving activities**  
mental and other actions and tasks of identifying and analysing problems, identifying solutions, and evaluating potential effects of solutions
- Inclusions: activities of defining a problem, identifying steps to solve the problem, discriminating between options, weighing alternative solutions, and considering possible consequences of each solution*
- Exclusions: thinking activities (a140), decision making activities (a150)*
- a1450      Identifying problem**  
actions and tasks of locating, specifying and determining the complexity of a problem, dilemma, conflict or other situation requiring solution

- a1451      Analysing problem**  
actions and tasks of determining the components of a problem or separating out the steps required to resolve a problem, conflict or dilemma and examining them individually and critically
- a1452      Identifying solution to problem**  
actions and tasks of identifying potential solutions of a problem, dilemma or conflict and selecting the preferred solution
- a1453      Evaluating potential effects of solution**  
actions and tasks of identifying or predicting, and assessing, the consequences or results of a solution to a problem, dilemma or conflict
- a1458      Other specified problem solving activities**
- a1459      Unspecified problem solving activities**
- a150      Decision making activities**  
mental and other actions and tasks of making a choice among options, implementing choice and evaluating effects of choice made
- Inclusions: activities of choosing, making judgments, selecting options, putting decisions into effect, executing decisions, assessing consequences of decisions*
- Exclusions: thinking activities (a140), problem solving activities (a145)*
- a1500      Taking decision**  
actions of bringing an uncertain situation to resolution by making a choice among options or proposed actions; coming to or finalizing a decision
- a1501      Implementing decision**  
actions of putting decisions into effect; carrying out decisions by acting on them
- a1502      Evaluating effects of decision**  
actions and tasks of identifying and assessing the consequences or outcomes of a decision that one has taken
- a1508      Other specified of decision making activities**
- a1509      Unspecified of decision making activities**
- a159      Other specified and unspecified activities of applying knowledge**
- a198      Other specified activities of learning and applying knowledge**
- a199      Unspecified activities of learning and applying knowledge**

## CHAPTER 2 COMMUNICATION ACTIVITIES

This chapter is about the activities of understanding and producing spoken and written messages, or messages in formal sign language, as well the activities for conversation and the use of communication devices

### ACTIVITIES OF UNDERSTANDING MESSAGES (a210-a229)

- a210      Activities of understanding spoken messages**  
actions of comprehending the literal and implied meanings of messages in spoken language
- Inclusions: activities of understanding words, phrases and longer passages in language as it is spoken, understanding electronically reproduced messages, such as digitized speech, understanding simple and complex messages, understanding humour, sarcasm, figurative or symbolic meanings, understanding implied meanings in context*
- a2100      Understanding literal meaning of spoken message**  
actions of comprehending the usual and ordinary meanings of words, phrases and longer passages in spoken language
- a2101      Understanding implied meaning of spoken message**  
actions of comprehending the inferred, suggested or hidden meanings of words, phrases and longer passages in spoken language
- a2108      Other specified activities of understanding spoken messages**
- a2109      Unspecified activities of understanding spoken messages**
- a215      Activities of understanding messages in formal sign language**  
actions of comprehending the literal and implied meanings of messages in formal sign language
- Inclusions: activities of understanding messages in American Sign Language and other formal sign language, understanding electronically reproduced messages in sign language, understanding simple and complex messages, understanding humour, sarcasm, figurative or symbolic meanings, understanding implied meanings in context*
- a2150      Understanding literal meaning of formal sign language**  
actions of comprehending the usual and ordinary meanings of signs, sentences and longer passages in a sign language such as American Sign Language
- a2151      Understanding implied meaning of formal sign language**  
actions of comprehending the inferred, suggested or hidden meanings of signs, sentences and longer passages in a sign language such as American Sign Language
- a2158      Other specified activities of understanding messages in formal sign language**
- a2159      Unspecified activities of understanding messages in formal sign language**
- a220      Activities of understanding non-verbal messages**  
actions of comprehending the literal and implied meanings of messages conveyed by gestures, symbols and drawings
- Inclusions: activities of understanding body language, smiling, frowning, crying, moaning, sighing, screaming, and understanding stop signs, traffic signs, warning symbols, musical notation, drawings and photographs*

- a2200 Understanding body gestures**  
actions of comprehending the meaning represented by facial expressions, hand movements or signs, body postures and other forms of body language as well as vocalizations and sounds such as moaning, screaming, and crying
- a2201 Understanding general signs and symbols**  
actions of comprehending the meaning represented by public signs and symbols such as traffic signs, warning symbols, notations (e.g. musical, mathematical and scientific) and icons
- a2202 Understanding drawings and photographs**  
actions of comprehending the meaning represented by drawings (e.g. line drawings, graphic designs, paintings, three-dimensional representations), graphs, charts, and photographs
- a2208 Other specified activities of understanding non-verbal messages**
- a2209 Unspecified activities of understanding non-verbal messages**
- a225 Activities of understanding written messages (reading)**  
actions of comprehending the literal and implied meanings of messages that are conveyed through written language
- Inclusions: activities of reading, understanding words, phrases and longer written material, reading in Braille, handwriting, typed messages on paper and other surfaces such as computer screens, understanding simple and complex messages, humour, sarcasm, figurative or symbolic meanings, understanding implied meanings in context*
- a2250 Understanding literal meaning in written messages**  
actions of comprehending the usual and ordinary meaning conveyed by forms of written language
- a2251 Understanding implied meaning in written messages**  
actions of comprehending the suggested or hidden meanings conveyed by forms of written language
- a2252 Understanding messages in alternative written form**  
actions of comprehending the usual and ordinary, and suggested or hidden meanings conveyed by alternative written language, such as Braille and Bliss Symbols
- a2258 Other specified activities of understanding written messages**
- a2259 Unspecified activities of understanding written messages**
- a229 Other specified and unspecified activities of understanding messages**

## ACTIVITIES OF PRODUCING MESSAGES (a230-a249)

- a230 Activities of producing spoken messages (speaking)**  
actions of producing spoken messages with literal and implied meaning
- Inclusions: activities of speaking, producing words, phrases and longer passages in language as it is spoken, producing simple and complex messages, producing humour, sarcasm, figurative or symbolic meanings in language, producing implied meanings in context*
- a2300 Producing spoken messages with literal meaning**  
actions of speaking words, phrases or longer passages intending them to have a usual or ordinary meaning

- a2301 Producing spoken messages with implied meaning**  
actions of speaking words, phrases or longer passages intending them to have implied, suggestive or figurative meaning
- a2308 Other specified activities of producing spoken messages**
- a2309 Unspecified activities of producing spoken messages**
- a235 Activities of producing messages in formal sign language**  
actions of producing messages in formal sign language with literal and implied meaning
- Inclusions: activities of conveying messages in American Sign Language or other formal sign languages, producing simple and complex messages, producing humour, sarcasm, figurative or symbolic meanings in language, producing implied meanings in context*
- a2350 Producing messages with literal meaning in formal sign language**  
actions of producing by means of formal sign language signs, sentences and longer passages intending them to have a usual or ordinary meaning
- a2351 Producing messages with implied meaning in formal sign language**  
actions of producing by means of a formal sign language signs and sentences intending them to have implied, suggestive or figurative meaning
- a2358 Other specified activities of producing messages in formal sign language**
- a2359 Unspecified activities of producing messages in formal sign language**
- a240 Activities of producing non-verbal messages**  
actions of using gestures, symbols and drawings to convey messages
- Inclusions: activities of using body language, smiling, frowning, crying, moaning, sighing, screaming to convey implicit meaning, using signs or other symbols, musical notation, drawings and photographs*
- a2400 Producing body gestures**  
actions of conveying meaning by means of movements of the body, such as facial gestures (e.g. smiling, frowning, wincing), arm and hand movements, and postures
- a2401 Producing signs and symbols**  
actions of conveying meaning by using signs and symbols (e.g. icons, Bliss board symbols, scientific and mathematical symbols) and symbolic notation systems, such as musical notation
- a2402 Producing drawings and photographs**  
actions of conveying meaning by drawing, painting, sketching making diagrams or pictures, or using photographs
- a2408 Other specified activities of producing non-verbal messages**
- a2409 Unspecified activities of producing non-verbal messages**
- a245 Activities of producing written messages (writing)**  
actions of producing the literal and implied meanings of messages that are conveyed through written language
- Inclusions: activities of writing, producing words, phrases and longer written material, writing in Braille, handwriting, typed messages on paper and other surfaces such as computer screens, writing simple and complex messages, conveying humour, sarcasm, figurative or symbolic meanings, producing implied meanings in context*

- a2450      Producing written messages with literal meaning**  
actions of writing words, phrases, sentences or longer passages with the intention of conveying usual or ordinary meaning
- a2451      Producing written messages with implied meaning**  
actions of writing words, phrases, sentences or longer passages with the intention of conveying implied, suggestive or figurative meaning
- a2458      Other specified activities of producing written messages**
- a2459      Unspecified activities of producing written messages**
- a249          Other specified and unspecified activities of producing messages**

## CONVERSATION ACTIVITIES AND USE OF COMMUNICATION DEVICES AND TECHNIQUES (a250-a259)

- a250          Conversation activities**  
actions of exchanging messages dynamically and interactively between two or more individuals  
  
*Inclusions: activities of initiating, maintaining and shaping a conversation, chatting, conversing, debating, discussing, face-to-face conversations, discussions with many people*
- a2500        Initiating a conversation**  
actions of making suitable opening remarks to one individual intended to lead to an interactive and dynamic communicative exchange in speech, writing or by other means or combination of means
- a2501        Maintaining a conversation**  
actions of sustaining with one individual a conversation through appropriate responses and reactions and taking appropriate turns in speech, writing, by other means or combinations of means
- a2502        Shaping and directing conversation**  
actions of interrupting appropriately and giving the appropriate prompts in conversations with one individual in speech, writing, by other means or combinations of means
- a2503        Terminating a conversation**  
actions of making appropriate remarks to close a conversation with one individual, by speech, writing, by other means or combinations of means
- a2504        Conversation activities with many people**  
actions of initiating, maintaining, shaping, and terminating a conversation with more than one individual in speech, writing, by other means or combinations of means
- a2508        Other specified conversation activities**
- a2509        Unspecified conversation activities**
- a255          Activities of using communication devices and techniques**  
the activities of using devices, techniques and other technology for the purposes of communicating  
  
*Inclusions: activities of using telephone, telegraph, and other telecommunication devices for communicating, TTY, computers, speech synthesizer, electrolarynx, typewriters, Braillewriters*

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- a2550**      **Using telecommunication devices**  
actions and tasks involved in using telephones and other machines, such as facsimile or telex machines, as a means of communication
- a2551**      **Using writing machines**  
actions and tasks involved in using machines for writing, such as typewriters, computers and Braille writers
- a2552**      **Using communication techniques**  
actions and tasks involved in techniques for communicating, such as lip reading
- a2558**      **Other specified activities of using communication devices and techniques**
- a2559**      **Unspecified activities of using communication devices and techniques**
- a259**        **Other specified and unspecified conversation activities and use of communication devices and techniques**
- a298**        **Other specified communication activities**
- a299**        **Unspecified communication activities**

## CHAPTER 3 MOVEMENT ACTIVITIES

This chapter is about the activities of moving the body, by changing body positions, transferring from one place to another, and carrying, moving and manipulating objects

### ACTIVITIES OF MAINTAINING AND CHANGING BODY POSITION (a310-a339)

- a310 Activities of maintaining a body position**  
actions of staying in the same body position as required
- Inclusions: activities of maintaining lying, standing, stooping, kneeling, squatting or seated position*
- a3100 Maintaining a lying position**  
actions of staying in a lying position, on any surface, for some time as required
- Inclusions: activities of staying in a prone (face down), supine (face upwards) or side lying position*
- a3101 Maintaining a squatting position**  
actions of staying in a squatting position for some time as required
- a3102 Maintaining a standing position**  
actions of staying in a standing position, on any surface, for some time as required
- Inclusions: activities of staying in a standing position on a slant, on slippery or hard surfaces*
- a3103 Maintaining a sitting position**  
actions of staying in a seated position, in any kind of seat or on the floor, for some time as required
- Inclusions: activities of staying in a sitting position with straight legs or cross-legged, with feet supported or unsupported*
- Exclusions: Maintaining a squatting position (a3101)*
- a3108 Other specified activities of maintaining a body position**
- a3109 Unspecified activities maintaining a body position**
- a320 Activities of changing body position**  
actions of getting into and out of a body position and moving from one position into another
- Inclusions: activities of moving from lying down to standing up, kneeling to standing, standing to sitting, squatting to kneeling, shifting the weight of the body*
- Exclusions: activities of transferring oneself (a330)*
- a3200 Changing body position from lying down**  
actions of changing body position, from lying down to any other position (e.g. standing up or sitting down), on any surface
- a3201 Changing body position from standing**  
actions of changing body position, from standing to any other position (e.g. lying down or sitting down), on any surface

- a3202 Changing body position from sitting**  
actions of changing body position, from sitting down to any other position (e.g. standing up or lying down), on any surface
- a3203 Shifting the weight of the body**  
actions of moving the weight of the body from one position to another while sitting, standing or lying  
*Exclusions: Activities of transferring oneself a330; walking activities a410*
- a3208 Other specified activities of changing body position**
- a3209 Unspecified activities of changing body position**
- a330 Activities of transferring oneself**  
actions of moving from one surface to another surface  
*Inclusions: activities of moving along a seat or bench, moving from bed to chair, from one bed to another, from wheelchair to bed, from toilet seat to wheelchair, from wheelchair to car seat*  
*Exclusions: Other moving around activities (a420)*
- a3300 Transferring oneself while sitting**  
actions of moving from a sitting position on one seat to another seat on the same or different levels  
*Inclusions: activities of moving from a chair to another seat, such as a toilet seat; moving from a wheelchair to a car seat*  
*Exclusions: Activities of changing body position (a320)*
- a3301 Transferring oneself while lying**  
actions of moving from one lying position to another on the same or different levels  
*Inclusions: activities of moving from one bed to another*  
*Exclusions: Activities of changing body position (a320)*
- a3308 Other specified activities of transferring oneself**
- a3309 Unspecified activities of transferring oneself**
- a339 Other specified and unspecified activities of maintaining and changing body position**

## ACTIVITIES OF CARRYING, MOVING AND MANIPULATING OBJECTS (a340-a379)

- a340 Lifting and carrying activities**  
coordinated actions of raising up an object and the activities of taking an object from one place to another  
*Inclusions: activities of lifting small or large objects, putting them down, activities of carrying in the hands, in the arms, on the shoulders, head, back and hip*
- a3400 Lifting**  
coordinated actions of raising up one or more objects in order to move it from a lower to a higher level

- a3401 Carrying in the hands**  
coordinated actions of taking or transporting one or more objects from one place to another using the hands
- a3402 Carrying in the arms**  
coordinated actions of taking or transporting one or more objects from one place to another using the arms and hands
- a3403 Carrying on shoulders, hip and back**  
coordinated actions of taking or transporting one or more objects from one place to another using the shoulders, hip or back, or some combination of these
- a3404 Carrying on the head**  
coordinated actions of taking or transporting one or more objects from one place to another using the head
- a3405 Putting down**  
coordinated actions of using hands, arms or other parts of the body to place one or more objects down on a surface or place
- a3408 Other specified lifting and carrying activities**
- a3409 Unspecified lifting and carrying activities**
- a350 Activities of moving objects with lower extremities**  
coordinated actions aimed at making objects move by using the legs and feet  
*Inclusions: activities of kicking, pushing pedals*
- a3500 Pushing with lower extremities**  
coordinated actions of using the legs and feet to exert a force upon one or more objects to move them away from oneself
- a3501 Kicking**  
coordinated actions of using the legs and feet to propel one or more objects away from oneself
- a3508 Other specified activities of moving objects with lower extremities**
- a3509 Unspecified activities of moving objects with lower extremities**
- a360 Activities of fine hand use**  
coordinated actions of handling objects, picking up, manipulating and releasing them using one hand, fingers and thumb  
*Inclusions: activities of picking up and manipulating coins or other small objects, grasping with fingers and thumb, turning page of book, playing musical instruments*  
*Exclusions: Lifting and carrying activities (a340)*
- a3600 Picking up**  
coordinated actions of lifting or taking up one or more objects with hands and fingers
- a3601 Grasping**  
coordinated actions of using one or both hands to firmly seize and hold one or more objects, such as in grasping a tool or a door knob
- a3602 Manipulating**  
coordinated actions of using fingers and hands to exert control over, or direct or guide one or more objects

- a3603 Releasing**  
coordinated actions of using fingers and hands to let go or set free one or more objects to let them fall or change position
- a3608 Other specified activities of fine hand use**
- a3609 Unspecified activities of fine hand use**
- a370 Activities of hand and arm use**  
coordinated actions aimed at making objects move or manipulating them by using hands and arms
- Inclusions: activities of pulling or pushing objects, turning or twisting knobs or handles, throwing, catching, handling containers, handles, locks, switches, knobs, plugs and power sockets.*
- Exclusions: activities of fine hand use (a360)*
- a3700 Pulling**  
coordinated actions of using fingers, hands and arms to bring one or more objects towards oneself, or to move them from place to place
- a3701 Pushing**  
coordinated actions of using fingers, hands and arms to move one or more objects away from oneself, or to move them from place to place
- a3702 Turning or twisting**  
coordinated actions of using fingers, hands and arms to rotate, turn or bend one or more objects, such as required to use tools or utensils
- a3703 Throwing**  
coordinated actions of using fingers, hands and arms to lift one or more objects and send them with some force through the air, as in tossing a ball
- a3704 Catching**  
coordinated actions of using fingers, hands and arms to grasp something that is moving in order to bring it to a stop and hold it
- a3708 Other specified activities of hand and arm use**
- a3709 Unspecified activities of hand and arm use**
- a379 Other specified and unspecified activities of carrying, moving and manipulating objects**
- a398 Other specified movement activities**
- a399 Unspecified movement activities**

## CHAPTER 4 ACTIVITIES OF MOVING AROUND

This chapter is about activities of moving, by walking, running, climbing and so one, with or without forms of transportation, for short, medium and long distances, inside and outside

### WALKING AND RELATED ACTIVITIES (a410-a439)

**a410**      **Walking activities**  
coordinated actions of advancing on foot, step by step, in a manner in which at least one foot is always on the ground

*Inclusions: activities of strolling, sauntering, walking short, medium or long distances, forwards, backwards, sideways, walking on sloping, smooth, rough, moving, wet, muddy, icy and other kinds of surfaces, around moving or stationary obstacles, walking with the help of a cane, walker, prostheses and orthoses*

*Exclusions: activities of transferring oneself (a330), other moving around activities (a420)*

**a4100**      **Walking short distances**  
coordinated actions of advancing on foot, step by step, in a manner in which at least one foot is always on the ground for short distances (e.g. less than 1 km)

*Inclusions: activities of toddling by a small child; walking around rooms, hallways and within a building; walking to and around neighbourhoods, across short distances in villages, towns and cities*

**a4101**      **Walking long distances**  
coordinated actions of advancing continuously on foot, step by step, in a manner in which at least one foot is always on the ground for long distances (e.g. more than 1 km)

*Inclusions: activities of walking across village, town or city; walking between villages, towns or cities; walking across countryside or open areas*

**a4102**      **Walking on different surfaces**  
coordinated actions of walking where the surfaces change, for example, in slope, evenness and consistency

*Inclusions: activities of walking on grass, gravel or other loose surface; walking on ice and snow; walking on carpets; walking on moving surfaces such as on a ship, train or suspended bridge*

**a4103**      **Walking around obstacles**  
coordinated actions of walking in ways required to negotiate around moving and immobile objects, people, animals, and vehicles

*Inclusions: activities of walking around in a crowd of people or animals; walking around a shop or marketplace; walking around or through traffic as pedestrian; walking across streets or through crowded areas*

**a4108**      **Other specified walking activities**

**a4109**      **Unspecified walking activities**

- a420 Other moving around activities**  
coordinated actions of moving the whole body from one place to another by means other than walking
- Inclusions: activities of crawling, climbing, running, jogging, jumping, skipping, scampering, swimming, with or without the help of prostheses and orthoses; crawling, running, jumping and skipping on different surfaces; running around obstacles, such as immobile objects, people, animals, and vehicles*
- Exclusions: activities of transferring oneself (a330), walking activities (a410)*
- a4200 Crawling**  
coordinated actions of moving the whole body in a prone position from one place to another on hands, or hands and arms, and knees
- Inclusions: activities of crawling by an infant*
- a4201 Climbing**  
coordinated actions of moving the whole body upwards or downwards, over surfaces or objects, such as steps, rocks, ladders or stairs
- inclusions: activities of ascending or descending a staircase; stepping up onto a curb or other single step; climbing playground equipment, such as climbing frames, slides or other apparatus; climbing trees, rope ladders, poles or other objects*
- a4202 Running**  
coordinated actions of moving with quick steps where both feet may be simultaneously off the ground
- Inclusions: activities of jogging, running at different speeds*
- a4203 Jumping and related activities**  
coordinated actions of moving up off the ground by bending and extending the legs and related activities such as jumping on one foot, hopping, skipping and jumping or diving into water
- a4204 Swimming**  
coordinated actions of propelling the whole body through water by means of movements of the limbs, without taking support from the ground underneath
- a4208 Other specified moving around activities**
- a4209 Unspecified moving around activities**
- a430 Activities of moving around using equipment**  
actions and tasks of moving the whole body from one place to another using implements including assistive devices
- Inclusions: activities of moving around using a wheelchair, skiing, skating, skateboarding, scuba diving, paragliding; activities of moving around with equipment on different surfaces and around obstacles, such as moving around traffic in a wheelchair*
- Exclusions: activities of transferring oneself (a330), walking activities (a410), other moving around activities (a420), activities of using transportation as a passenger (a440), activities of using transportation as a driver (a450)*
- a439 Other specified and unspecified walking and related activities**

## ACTIVITIES OF MOVING AROUND USING TRANSPORTATION (a440-a459)

- a440 Activities of using transportation as a passenger**  
 coordinated actions and tasks of using transportation of any kind, as performed by the individual being transported
- Inclusions: activities needed to be driven as a passenger on human-powered vehicles, such as a bicycle, rickshaw, jitney, animal or animal-powered vehicle such as a carriage, or a private or public vehicle, such as a car, taxi, bus, train, tram, plane, subway, boat, airplane*
- Exclusions: activities of moving around using equipment (a430), activities of using transportation as a driver (a450)*
- a4400 Using human-powered transportation as a passenger**  
 coordinated actions and tasks of being transported as a passenger by a mode of transportation that is powered by one or more people
- Inclusions: activities of being transported as a passenger on a bicycle, rickshaw or rowboat*
- a4401 Using private motorized transportation as a passenger**  
 coordinated actions and tasks required to be transported as a passenger by private motorized vehicle over land, sea or air
- Inclusions: activities of being a passenger in an automobile, taxi, privately owned plane or powerboat*
- a4402 Using mass transportation as a passenger**  
 coordinated actions and tasks of being transported as a passenger by a motorized vehicle over land, sea or air designed for public transportation
- Inclusions: activities of being a passenger on a bus, train, subway, plane or other form of public transportation; actions required to benefit from public transportation, including getting tickets, finding the bus or subway, getting on the bus or subway; determining when one has reached one's destination; negotiating airports and bus and train stations*
- a4408 Other specified activities of using transportation as a passenger**
- a4409 Unspecified activities of using transportation as a passenger**
- a450 Activities of using transportation as a driver**  
 performing the coordinated actions and tasks that are needed to use, as a driver, any mode of transportation, animal or human-powered or motorized
- Inclusions: activities of driving a human-power vehicle; driving a motorized vehicle such as car, van, boat or plane; driving animal-power vehicles; riding animals for transportation*
- Exclusions: activities of moving around using equipment (a430), activities of using transportation as a passenger (a440)*
- a4500 Driving human-powered transportation**  
 performing the coordinated actions and tasks that are needed to use, as a driver, a human-powered vehicle, such as a bicycle, tricycle, or rowboat

- a4501      Driving motorized vehicles**  
performing all the coordinated actions and tasks that are needed to use, as a driver, a vehicle with a motor, such as an automobile, motorcycle, motorboat or plane
- Inclusions: driving a car or truck; piloting a powered boat or other powered vehicle designed for water; piloting a plane, including a glider; reacting to traffic situations and obeying traffic rules and other rules of the road; evaluating a traffic situation as a driver*
- a4502      Driving animal-powered vehicles**  
performing the coordinated actions and tasks that are needed to use, as a driver, a vehicle powered by an animal, such as a horse-drawn cart or carriage
- a4503      Riding animals for transportation**  
performing the coordinated actions and tasks that are needed to ride an animal as its driver
- Inclusions; riding a horse, ox, camel, elephant or other animal*
- a4508      Other specified activities of using transportation as a driver**
- a4509      Unspecified activities of using transportation as a driver**
- a459        Other specified and unspecified activities of moving around using transportation**
- a498        Other specified activities of moving around**
- a499        Unspecified activities of moving around**

## CHAPTER 5 SELF CARE ACTIVITIES

This chapter is about the basic activities of caring for oneself, by washing and drying oneself, caring for body and body parts, dressing, eating and drinking, and looking after one's health

- a510 Activities of washing and drying oneself**  
 coordinated actions and tasks of washing and drying one's whole body, or body parts, using water and appropriate cleaning and drying materials or methods
- Inclusions: activities of bathing, showering, washing hands, feet, face, hair, genitals, drying with a towel or dryer, drying hair*
- Exclusions: activities of caring for body parts (a520), activities related to toileting (a530)*
- a5100 Washing individual body parts**  
 coordinated actions of applying water, soap and other cleaning substances to body parts in order to clean them
- Inclusions: washing hands, face, feet, hair, teeth, nails*
- a5101 Bathing whole body**  
 coordinated actions of applying water, soap and other cleaning substances to the whole body in order to clean oneself, as in a bath, shower
- Inclusions: taking a bath or shower*
- a5102 Drying oneself**  
 coordinated actions of using a towel or other means for drying some part or parts of one's body, or the whole body such as after washing
- a5108 Other specified activities of washing and drying oneself**
- a5109 Unspecified activities of washing and drying oneself**
- a520 Activities of caring for body parts**  
 actions and tasks of caring for parts of the body, such as skin, face, teeth, scalp, nails, that require more than washing and drying
- Inclusions: activities of shaving, trimming hair and nails, styling hair, applying lotions for the skin and scalp, applying make up, brushing teeth, flossing, cleaning dentures, cleaning ears and nose, genitals*
- Exclusions: activities of washing and drying oneself (a510); activities related to toileting (a530)*
- a5200 Activities of caring for skin**  
 actions and tasks required to look after one's skin, such as removing callouses or corns, using moisturizing lotions or cosmetics
- Inclusions: activities of caring for skin of hands and feet; caring for skin of face*
- a5201 Activities of caring for teeth**  
 actions and tasks required for dental hygiene, such as brushing teeth, flossing, and taking care of dental prosthesis or orthosis
- a5202 Activities of caring for hair of scalp**  
 actions and tasks required to take care of hair on the head, such as combing, brushing, styling or curling
- Inclusions: activities of taking care of hair on the head for health and cosmetic reasons*

- a5203      Activities of caring for facial hair**  
actions and tasks required to take care of hair on the face, such as shaving, trimming, combing or brushing the beard and moustache
- a5204      Activities of caring for finger nails**  
actions and tasks of cleaning, trimming or polishing nails of the fingers
- a5205      Activities of caring for toe nails**  
actions and tasks of cleaning, trimming or polishing nails of the toes
- a5208      Other specified activities of caring for body parts**
- a5209      Unspecified activities of caring for body parts**
- a530      Activities related to toileting**  
coordinated actions involved in planning and performing toileting (urination and defecation) and cleaning oneself afterwards
- Inclusions: activities of toilet training, indicating need, regulating toileting needs, finding appropriate toileting area, urinating and defecating, cleaning after toileting, manipulating clothing before and after toileting; activities of planning and excretion by stoma*
- Exclusions: activities of washing and drying oneself (a510); activities of caring for body parts (a520)*
- a5300      Regulating toilet needs**  
coordinated actions of planning and performing toileting according to a schedule and anticipating toilet needs
- Inclusions: activities of toilet training in children; managing restrictions in urination and defecation created by impairments of bladder and bowel function*
- a5301      Activities related to urination**  
coordinated actions required for managing urination
- Inclusions: activities of indicating need; getting into the proper position; choosing and getting to an appropriate place for urination; manipulating clothing before and after urination, cleaning oneself*
- a5302      Activities related to defecation**  
coordinated actions requires to manage defecation
- Inclusions: activities of indicating need; getting into the proper position; choosing and getting to an appropriate place for urination; manipulating clothing before and after defecation; cleaning oneself after defecation*
- a5308      Other specified activities related to toileting**
- a5309      Unspecified activities related to toileting**
- a540      Activities related to menstruation**  
coordinated actions of planning and caring for menstruation
- Inclusions: activities of anticipating menstruation, using sanitary towels and napkins*
- Exclusions: activities of washing and drying oneself (a510); activities of caring for body parts (a520)*

- a550 Dressing activities**  
coordinated actions of putting on and taking off clothes and footwear in sequence and in accord with social setting and climatic condition
- Inclusions: activities of putting on, adjusting and removing shirts, skirts, blouses, pants, under garments, saris, kimono, tights, hats, gloves, coats, shoes, boots, sandals, slippers*
- a5500 Activities of putting on or taking off clothes**  
coordinated actions of putting on and taking off clothes over various parts of the body
- Inclusions: activities of putting on or taking off clothes over the head, over the arms and shoulders, on the lower and upper halves of the body; putting on or taking off gloves and headgear*
- a5501 Activities of putting on or taking off footwear**  
coordinated actions required to put on and take off socks and footwear
- a5502 Activities of dressing as a composite task**  
coordinated actions required for dressing in the appropriate order, fastening clothing and ensuring clothing is the right side out
- Inclusions; activities of handling fasteners, such as zippers, hooks, pins and Velcro fasteners*
- a5503 Dressing in accord with social setting**  
coordinated actions and tasks required to follow implicit or explicit dress codes and conventions
- a5508 Other specified dressing activities**
- a5509 Unspecified dressing activities**
- a560 Activities of eating**  
coordinated actions of readying food that has been served, bringing it to the mouth, consuming it in culturally acceptable ways
- Inclusions: activities of cutting or breaking food into pieces, opening bottles and cans, using eating implements, having meals, feasting, lunching*
- Exclusion: activities of drinking (a570)*
- a570 Activities of drinking**  
coordinated actions of readying drink that has been served, bringing it to the mouth, and consuming it in culturally acceptable ways
- Inclusions: activities of mixing, stirring and pouring liquids for drinking, opening bottles and cans, drinking from straw or running water such as a tap or spring, breast feeding*
- Exclusion: activities of eating (a560)*
- a580 Activities of looking after one's health**  
coordinated actions and tasks of ensuring physical comfort, health and physical and mental well-being
- Inclusions: maintaining a balanced diet, appropriate level of physical activity, keeping warm or cool, avoiding harms to health, following safe sex practices, such as using condoms, getting immunization, and regular physical examinations and investigations*

- a5800      Activities of ensuring one's physical comfort**  
coordinated actions and tasks of caring for oneself by being aware that one needs to ensure, and ensuring that one's body is in a comfortable position, that one is not feeling too hot or cold, and that one has adequate lighting
- a5801      Activities related to diet and fitness**  
coordinated actions and tasks of caring for oneself by being aware of the need and by selecting and consuming nutritious foods and maintaining physical fitness
- a5802      Activities of maintaining one's health**  
coordinated actions and tasks of caring for oneself by being aware of the need and doing what is required to look after one's health, both to respond to risks to health and to prevent ill-health
- Inclusions: activities of seeking professional assistance in looking after one's health; following medical and other health advice; avoiding risks to health, including physical injury, transmissible diseases, drug taking, and sexual transmitted diseases*
- a5808      Other specified activities of looking after one's health**
- a5809      Unspecified activities of looking after one's health**
- a598      Other specified self care activities**
- a599      Unspecified self care activities**

## CHAPTER 6 DOMESTIC ACTIVITIES

This chapter is about domestic and everyday activities of acquiring a place to live, food, clothing and other necessities, household activities of cleaning and repairing, and caring for possessions and assisting others in their daily activities

### ACTIVITIES OF ACQUIRING NECESSITIES (a610-a629)

- a610 Activities of acquiring a place to live**  
actions and tasks an individual carries out to acquire a place to live, such as selecting, furnishing and arranging a living place that is suitable for one's needs
- Inclusions: activities of finding a permanent place to live, buying, renting or leasing a house, apartment or other dwelling; building a place to live such as a hut; organizing the fixtures and furnishings of one's dwelling, arranging furniture; decorating; activities of finding a temporary living area that is suitable*
- Exclusions: activities of acquiring daily necessities (a620); activities of caring for possessions (a650)*
- a6100 Finding a place to live**  
actions and tasks an individual carries out to find and select a place to live, suitable to one's needs
- Inclusions: activities of determining where one wants to live and one can afford; searching for a home; viewing and inspecting potential places to live*
- a6101 Securing a place to live**  
actions and tasks an individual carries out, once a suitable place to live has been found and selected, to acquire it, or building a place to live
- Inclusions: activities of determining how the place to live can be acquired; arranging for the purchase of a home; arranging for the building of a home; organizing the construction of a home*
- a6102 Furnishing and arranging where one lives**  
actions and tasks an individual carries out to select and acquire the contents of one's place to live and suitably arranging them
- Inclusions: activities of finding and purchasing furniture, fixtures and other fittings for the home; planning and carrying out an arrangement of furniture*
- a6108 Other specified activities of acquiring a place to live**
- a6109 Unspecified activities of acquiring a place to live**
- a620 Activities of acquiring daily necessities**  
actions and tasks of selecting, procuring, transporting and storing all goods and services required for daily living
- Inclusion: activities of selecting, procuring, transporting and storing food, drink, clothing, cleaning materials, fuel, household items, utensils, cookingware, plates, domestic appliances, tools; and procuring utilities and other household services*
- Exclusion: activities of acquiring a place to live (a610)*
- a6200 Selecting daily necessities**  
actions and tasks of selecting all goods and services required for daily living
- Inclusions: activities of picking out food and other necessities that one requires in a shop or market; comparing quality and price of the items required*

- a6201 Shopping for daily necessities**  
actions and tasks of procuring selected goods and services required for daily living
- Inclusions: activities of shopping; paying for goods selected; getting fuel and water*
- a6202 Transporting daily necessities**  
actions and tasks of transporting the goods and services required for daily living that have been obtained
- a6203 Storing daily necessities**  
actions and tasks of storing the goods and services required for daily living that have been obtained and brought to where they will be consumed
- Inclusions: activities of preparing foods for conservations, such as by canning, salting or refrigerating; keeping food fresh and out of the reach of animals*
- a6208 Other specified activities of acquiring daily necessities**
- a6209 Unspecified activities of acquiring daily necessities**
- a629 Other specified and unspecified activities of acquiring necessities**

## HOUSEHOLD ACTIVITIES (a630-a649)

- a630 Activities for preparation of meals**  
actions and tasks that individuals perform for organizing, planning, preparing and serving food and drink for oneself and others and cleaning the food preparation and eating areas of the house
- Inclusions: activities of making a menu; selecting edible food and drink; getting together ingredients for preparing meals; preparing the food and drink for cooking, cooking with heat and preparing cold foods and drinks; baking, frying, steaming, microwaving; serving food; washing pots, pans, plates, and other cooking and eating implements; cleaning kitchen and food and drink preparation areas; cleaning food and drink serving areas*
- Exclusions: activities of eating (a560); activities of drinking (a570); activities related acquiring daily necessities (a620); housework activities (a640); activities of caring for possessions (a650); activities of assisting others (a660)*
- a6300 Organising meals**  
actions and tasks that individuals perform for organizing and planning meals for oneself and others
- Inclusions: activities of making a menu; determining the required ingredients and getting these together; timing and sequencing of meals and courses*
- a6301 Preparing food and drink**  
actions and tasks that individuals perform to prepare meals for oneself and others, with or without cooking appliances
- Inclusions: activities of transforming food ingredients by peeling, slicing, mixing, kneading, stirring; cooking using heat (e.g. baking, frying, boiling); preparing liquids for consumption; using and operating mixers, stoves and other cooking appliances*
- Exclusions: Using household appliances (a6402)*

- a6302**      **Serving meals**  
actions and tasks that individuals perform to serve prepared meals for oneself and others
- Inclusions: activities of presenting food in a manner appropriate to the occasion and culture; setting table; setting out the food in the desire sequence*
- a6303**      **Cleaning up after meals**  
actions and tasks that individuals perform in order to clean up after the meal has been consumed
- Inclusions: activities of washing dishes and cooking utensils; putting away cleaned dishes, pots and pans; washing tables and floors around eating area*
- a6308**      **Other specified activities for preparation of meals**
- a6309**      **Unspecified activities for preparation of meals**
- a640**      **Housework activities**  
actions and tasks that individuals perform for the daily cleaning and arrangement of the living area, its contents and all personal effects, including clothing, with or without use of household appliances
- Inclusions: activities of sweeping, mopping, washing counters, walls and other surfaces, collecting and disposing of household garbage; tidying rooms, dusting; collecting, washing, drying, folding and ironing clothes; cleaning footwear; using brooms, brushes and vacuum cleaners; using laundry washing machines, dryers and irons*
- Exclusions: activities of acquiring a place to live (a610); activities of acquiring daily necessities (a620); activities for preparation of meals (a630); activities of caring for possessions (a650), activities of assisting others (a660)*
- a6400**      **Washing and drying clothes**  
actions and tasks that individuals perform for the daily activities of washing and drying clothes for oneself or others, without the use of household appliances
- Inclusions: activities of hand washing of garments; hanging out clothes to dry in the air*
- a6401**      **Cleaning living area**  
actions and tasks that individuals perform for the daily activities of cleaning the rooms and other areas of the living area, for oneself or others, without the use of household appliances
- Inclusions: activities of tidying and dusting; sweeping, swabbing, mopping floors; cleaning windows and walls; cleaning bathrooms and toilets; cleaning household furnishings*
- a6402**      **Using household appliances**  
actions and tasks involved in the proper use of all forms of household appliances for household activities such as cleaning
- Inclusions: activities of using and operating household cleaning appliances for washing and drying clothes; using vacuum cleaners*
- Exclusions: Preparing food and drink (a6301); Making and repairing clothes (a6500)*
- a6403**      **Disposing of garbage**  
actions and tasks involved in the collection and disposal of household garbage
- Inclusion: activities of collecting trash and rubbish around the house; preparing garbage for disposal; using garbage disposal appliances; burning garbage*

**a6408 Other specified housework activities**

**a6409 Unspecified housework activities**

**a649 Other specified and unspecified household activities**

## ACTIVITIES OF CARING FOR POSSESSIONS AND ASSISTING OTHERS (a650-a669)

**a650 Activities of caring for possessions**

actions and tasks performed by individuals for maintaining, making and repairing personal possessions, including clothes, house and contents, vehicles, and assistive devices, and caring for plants and animals

*Inclusions: activities of making and repairing clothes, taking clothes to the tailor, painting or wallpapering rooms, reroofing the housing, fixing furniture, repairing plumbing, ensuring the proper working order of vehicles, maintaining assistive devices; grooming and feeding pets, domestic animals; watering plants*

*Exclusions: activities of acquiring a place to live (a610); activities of acquiring daily necessities (a620); housework activities (a640); activities of assisting others (a660)*

**a6500 Making and repairing clothes**

actions and tasks performed by individuals for making and repairing clothes, for oneself or others

*Inclusions: activities of sewing, producing or mending clothes; reattaching buttons and fasteners; ironing clothes; fixing and polishing footwear*

*Exclusions: Using household appliances (a6402)*

**a6501 Maintaining dwelling and furnishings**

actions and tasks performed by individuals for repairing and taking care of dwelling, its exterior, interior and contents

*Inclusions: activities of exterior or interior painting; repairing fixtures and furniture; using required tools for repairing the dwelling and contents*

**a6502 Maintaining domestic appliances**

actions and tasks performed by individuals for repairing and taking care of all domestic appliances, for cooking, cleaning and repairing

*inclusions: activities of oiling, cleaning and repairing cooking appliances, household cleaning appliances, and appliances for repairing clothes and other household items; maintaining and repairing tools for household use*

**a6503 Maintaining vehicles**

actions and tasks performed by individuals for repairing and taking care of motorized and non-motorized vehicles for personal use

*Inclusions: activities of repairing and maintaining bicycles, carts, automobiles, boats and other vehicles for personal use*

**a6504 Maintaining assistive devices**

actions and tasks performed by individuals for repairing and taking care of assistive devices

*Inclusions: maintaining and repairing prostheses, orthoses and specialized tools and aids for housekeeping and personal care; maintaining and repairing aids for personal mobility such as canes, walkers, wheelchairs and scooters; maintaining communication and recreational aids*

- a6505 Taking care of plants, indoors and outdoors**  
actions and tasks performed by individuals for taking care of plants inside and outside the house  
*Inclusions: activities of planting, watering and feeding plants; gardening; looking after plants and growing foods for personal use*
- a6506 Taking care of animals**  
actions and tasks performed by individuals for taking care of domestic animals and pets  
*Inclusions: activities of feeding and maintaining animals kept for food for personal consumption; caring for and feeding pets; cleaning, grooming and exercising pets; watching over the health of animals or pets; planning for the care of animals or pets in one's absence*
- a6508 Other specified activities of caring for possessions**
- a6509 Unspecified activities of caring for possessions**
- a660 Activities of assisting others**  
actions and tasks performed by individuals in order to assist household members and others with their activities of learning, communicating, self care, movements and moving around, domestic activities, and interpersonal activities conducted within the house or outside  
*Inclusions: activities of assisting others with learning to read, conveying messages, washing, toileting, dressing, eating, with their domestic activities, moving around the house, transferring from place to place, walking, using transportation, making and keeping friends, organizing daily routines*
- a6600 Assisting others with movement and self-care**  
actions and tasks performed by individuals in order to assist household members and others to move around the living area and perform activities of self-care  
*Inclusions: activities of helping others transferring and moving within the home; taking care of children or members of the household who are sick or have difficulties with basic activities of self-care; helping others with eating, bathing and dressing; helping others with their toileting*
- a6601 Assisting others in moving around**  
actions and tasks performed by individuals in order to assist household members and others to move outside the home and beyond  
*Inclusions: activities of assisting with the mobility of members of the household or others; transporting others around the neighbourhood or city to school, place of employment or other destination*
- a6602 Assisting others in communication and interpersonal activities**  
actions and tasks performed by individuals in order to assist household members and others with their activities of communication and interpersonal interaction  
*Inclusions: activities of assisting members of the household with speaking, writing or reading; helping others to develop basic and complex interpersonal activities; helping others initiate, maintain or terminate relationships*
- a6608 Other specified activities of assisting others**
- a6609 Unspecified activities of assisting others**
- a669 Other specified and unspecified activities of caring for possessions and assisting others**
- a698 Other specified domestic activities**
- a699 Unspecified domestic activities**

## CHAPTER 7 INTERPERSONAL ACTIVITIES

This chapter is about basic and complex activities of interacting with people, strangers, friends, relatives, family members, and lovers, in a contextual and socially appropriate manner

### GENERAL INTERPERSONAL ACTIVITIES (a710-a729)

- a710 Basic interpersonal activities**  
 basic coordinated actions and behaviours that an individual needs to perform in order to interact with people in a contextual and socially appropriate manner
- Inclusions: activities of showing and responding to respect, appreciating, responding to the needs of others, showing appreciation and appropriate tolerance; providing and responding to criticism; responding to social cues and using appropriate physical contact*
- a7100 Showing respect and warmth**  
 basic coordinated actions and behaviours that an individual needs to perform in order to show respect and warmth towards those the individual interacts with in a contextual and socially appropriate manner
- Inclusions: activities of showing consideration and esteem when necessary and appropriate; showing warmth through one's behaviour and conversation with others; being able to handle the feelings of others*
- a7101 Showing appreciation**  
 basic coordinated actions and behaviours that an individual needs to perform in order to show appreciation towards those the individual interacts with in a contextual and socially appropriate manner
- Inclusions: activities of expressing satisfaction and gratitude to others*
- a7102 Showing tolerance in relationships**  
 basic coordinated actions and behaviours that an individual needs to perform in order to show tolerance in relationships with those the individual interacts with in a contextual and socially appropriate manner
- Inclusions: activities of understanding and accepting different behaviour in context and responding in a manner that indicates tolerance or acceptance; understanding when tolerance is inappropriate and acting accordingly*
- a7103 Responding to criticism**  
 basic coordinated actions and behaviours that an individual needs to perform in order to respond to the criticism of those the individual interacts with in a contextual and socially appropriate manner
- Inclusions: activities of coping with implicit and explicit differences of opinion and disagreements expressed by others; providing feedback and criticism to others*
- a7104 Responding to social cues**  
 basic coordinated actions and behaviours that an individual needs to perform in order to respond appropriately to social cues from those the individual interacts with in a contextual and socially appropriate manner
- Inclusion: activities of understanding and reacting appropriately to signs and hints occurring in social interaction*

- a7105 Using appropriate physical contact**  
 basic coordinated actions and behaviours that an individual needs to perform in order to use physical contact with those the individual interacts with in a contextual and socially appropriate manner
- Inclusions: activities of adjusting physical contact to the social context; recognizing situations where contact is, or is not, appropriate*
- a7108 Other specified basic interpersonal activities**
- a7109 Unspecified basic interpersonal activities**
- a720 Complex interpersonal activities**  
 complex or multiple actions and behaviours that an individual needs to perform in order to maintain, regulate and manage interactions with other people in a contextual and socially appropriate manner
- Inclusions: activities of maintaining social space, regulating emotions and impulses, regulating verbal and physical aggression; acting independently in social interactions; acting in accordance with social rules and conventions*
- a7200 Maintaining social space**  
 complex or multiple actions and behaviours that an individual needs to perform in order to maintain social space with those he is interacting with in a contextual and socially appropriate manner
- Inclusions: activities of being aware of and acting in accordance with the customary distance between people that is culturally appropriate; responding to the distances required between people to respect rank, class or status in culturally appropriate manner*
- a7201 Regulating emotions and impulses for interactions**  
 complex or multiple actions and behaviours that an individual needs to perform in order to control and express emotions and impulses in a contextually sensitive and socially appropriate manner in interactions with others
- Inclusions: activities of being aware of and responding accordingly to the social conventions on the expression of emotions and impulses; refraining from burping, spitting or urinating in public*
- a7202 Regulating verbal aggression**  
 complex or multiple actions and behaviours that an individual needs to perform in order to control the level of aggression in manner and content of speaking in interactions with others
- Inclusions: activities of controlling and monitoring aggressiveness manifested verbally, in light of cultural and contextual expectations*
- a7203 Regulating physical aggression**  
 complex or multiple actions and behaviours that an individual needs to perform in order to control the level of aggression in manner and timing of acting in interactions with others
- Inclusions: activities of controlling and monitoring one's aggressiveness as manifested in physical behaviour; regulating outward behaviour in contextually and socially appropriate ways*

- a7204      Acting independently in social interactions**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to demonstrate levels of self-reliance and independence in interaction with others that is contextually and socially appropriate
- Inclusions: activities of appropriately standing up for oneself or not relying on the support of others; keeping a balance between maintaining privacy and engaging in relationships*
- a7205      Interacting according to social rules and conventions**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to demonstrate compliance to explicit or implicit social rules and conventions governing interactions with others
- a7206      Interacting appropriately to own social position**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to demonstrate compliance with the social conventions governing one's class, role, position or other social status in interactions with others
- Inclusions: activities of recognizing and responding appropriately to social superiors, inferiors and peers*
- a7208      Other specified complex interpersonal activities**
- a7209      Unspecified complex interpersonal activities**
- a729      Other specified and unspecified general interpersonal activities**

## PARTICULAR INTERPERSONAL ACTIVITIES (a730-a769)

- a730      Activities of initiating interaction**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to begin interactions with others or for starting short or long term relationships where appropriate
- Inclusions: activities of interacting with strangers, introducing oneself, finding and establishing friendships and professional relationships, starting a relationship that may become permanent, romantic or intimate*
- a740      Activities of maintaining interaction**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to maintain or sustain interactions or relationships for short or long term, as appropriate
- Inclusions: activities of keeping in contact with friends and relatives, being aware of and responding to needs of the other person in the friendship, family, romantic or intimate relationships, sharing benefits and burdens, being available for the other person*
- a7400      Activities of maintaining short term interaction**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to maintain or sustain interactions or relationships for short periods of time
- Inclusions: activities of being aware of and responding to needs of others in temporary acquaintances or interactions; knowing and acting in accordance with the social conventions of short term relationships, such as in interactions with peers in informal settings, service providers, with playmates, working colleagues, neighbours, or strangers*

- a7401 Activities of maintaining long term interaction**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to maintain or sustain interactions or relationships for long, or indefinite periods of time
- Inclusions: activities of keeping in contact with close friends and relatives, being aware of and responding to needs of the other person in the friendship, family, romantic or intimate relationships, sharing benefits and burdens, being available for the other person; maintaining culturally appropriate relationships with teachers, fellow students, work colleagues (co-workers, superiors and inferiors), professional colleagues, and service providers with whom one has a long term or continuing relationship*
- a750 Activities of terminating interactions**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to end or bring to a close interactions or relationships that have existed for a short or a long time
- a7500 Activities of terminating short term interaction**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to end or bring to a close interactions or relationships that have existed for a short time or intermittently
- Inclusions: activities of ending temporary acquaintances or interactions, such as those with peers in informal settings, service providers, with playmates, working colleagues, neighbours, or strangers*
- a7501 Activities of terminating long term interaction**  
 complex and coordinated actions and behaviours that an individual needs to perform in order to end or bring to a close interactions or relationships that have existed for or a long time or continuously
- Inclusions: activities of ending relationships with long-term friends and relatives, with people in romantic or intimate relationships or with teachers, fellow students, work colleagues (co-workers, superiors and inferiors), professional colleagues, and service providers with whom one has a long term or continuing relationship*
- a760 Activities of engaging in physical intimacy**  
 complex and coordinated actions that an individual performs in order to initiate and react to the physical expressions of affection and desire and performing sexual intercourse
- Inclusions: sexual activities of foreplay, making love; planning and regulating sexual activity*
- Exclusions: Activities of looking after one's health (a580) -- following safe sex practices*
- a7600 Initiating or responding to physical intimacy**  
 complex and coordinated actions and behaviours that an individual performs in order to initiate or respond to sexual intercourse and other physical manifestations of affection or desire
- a7601 Performing consensual sexual acts**  
 complex and coordinated actions an individual performs in order to react to the physical expressions of affection and desire and performing sexual intercourse
- a7602 Maintaining intimate sexual relations**  
 complex and coordinated actions an individual performs in order to continue and maintain a mutually satisfactory intimate relationship with another person where the relationship retains a sexual component
- a7608 Other specified activities for engaging in physical intimacy**

- a7609**      **Unspecified activities for engaging in physical intimacy**
- a769**      **Other specified and unspecified particular interpersonal activities**
- a798**      **Other specified interpersonal activities**
- a799**      **Unspecified interpersonal activities**

## **CHAPTER 8 PERFORMING TASKS AND MAJOR LIFE ACTIVITIES**

This chapter is about the general and overall requirements for performing any kind of task, or collection of tasks, and the sum total of all the particular activities that are required for performing in major life situations, such as work, education and recreation

### **GENERAL TASK AND PERFORMANCE DEMAND ACTIVITIES (a810-a839)**

#### **a810 Activities of performing a task**

simple and complex and coordinated actions, an individual needs to perform that are related to the mental and physical components of overall task performance, such as actions of initiating a task, organizing time and materials for task performance, carrying out and completing a task

*Inclusions: activities of initiating a task; pacing task performance; organizing materials for a task; handling distractions while performing a task; performing tasks independently; performing tasks in a group or alone*

*Exclusions: activities of acquiring skills (a135); problem solving activities (a145); decision making activities (a150); activities of performing multiple tasks (a815); activities of organizing daily routine (a820); activities of sustaining task performance (a825); Activities of Performing in Major Life Situations (a840-a879)*

#### **a8100 Initiating a task**

simple and complex and coordinated actions an individual needs to perform in order to understand the elements required of a task, to perform whatever preparatory activities are required and to begin the task

#### **a8101 Organising time and material for a task**

simple and complex and coordinated actions an individual needs to perform in order to arrange the time and space required to perform a task, and to obtain the materials needed to carry out and complete a task

#### **a8102 Carrying out a task at appropriate pace**

simple and complex and coordinated actions an individual needs to perform in order to manage, conduct or execute a task at the required rate of progress or pace

#### **a8103 Completing a task**

simple and complex and coordinated actions an individual needs to perform in order to finish a task and stop doing it

#### **a8104 Performing a task independently**

simple and complex and coordinated actions an individual needs to perform in order to initiate, carry out and complete a task alone and without the assistance of others

#### **a8105 Performing a task in a group**

simple and complex and coordinated actions an individual needs to perform in order to initiate, carry out and complete a task with other people who are also involved in some or all steps of the task, working together

#### **a8106 Managing a task requiring creativity or ingenuity**

simple and complex and coordinated actions an individual needs to perform in order to initiate, carry and complete a task that requires special skill or facility or a novel approach or method

#### **a8108 Other specified activities of performing a task**

#### **a8109 Unspecified activities of performing a task**

- a815 Activities of performing multiple tasks**  
actions, simple and complex and coordinated, that an individual needs to perform that are related to the mental and physical components of multiple, integrated or complex tasks that need to be carried out in sequence or simultaneously
- Inclusions: activities of initiating multiple or complex tasks; planning multiple or complex tasks; handling distractions while performing complex or multiple tasks; pace of performing tasks; organizing time and materials for complex tasks; carrying out complex tasks in appropriate sequence; making adjustments or corrections to planned sequence of activities; managing multiple or complex tasks requiring creativity or ingenuity; performing complex tasks independently; performing complex tasks in a group*
- Exclusions: activities of acquiring skills (a135); problem solving activities (a145); decision making activities (a150); activities of performing a task (a810); activities of organizing daily routine (a820); activities of sustaining task performance (a825); Activities of Performing in Major Life Situations (a840-a879)*
- a8150 Initiating multiple tasks**  
actions, simple and complex and coordinated, that an individual needs to perform in order to understand the elements required of multiple, integrated or complex tasks, to perform whatever preparatory steps are required and to begin the multiple tasks
- a8151 Organising time and material for multiple tasks**  
actions, simple and complex and coordinated, that an individual needs to arrange the time and space required to perform multiple, integrated or complex tasks, and to obtain the materials needed to carry out and complete the tasks
- a8152 Carrying out multiple tasks at appropriate pace**  
actions, simple and complex and coordinated, that an individual needs to manage, conduct or execute multiple, integrated or complex tasks at the required rate of progress or pace
- a8153 Completing multiple tasks**  
actions, simple and complex and coordinated, that an individual needs to do to finish and stop multiple, integrated or complex tasks
- a8154 Performing multiple tasks independently**  
actions, simple and complex and coordinated, that an individual needs to perform in order to initiate, carry out and complete multiple, integrated and complex tasks alone and without the assistance of others
- a8155 Performing multiple tasks in a group**  
actions, simple and complex and coordinated, that an individual needs to perform in order to initiate, carry out and complete multiple, integrated and complex tasks with other people who are also involved in some or all steps of the task, working together
- a8156 Managing multiple tasks requiring creativity or ingenuity**  
actions, simple and complex and coordinated, that an individual needs to perform in order to initiate, carry out and complete multiple, integrated and complex tasks that requires special skill or facility or a novel approach or method
- a8158 Other specified activities of performing multiple tasks**
- a8159 Unspecified activities of performing multiple tasks**

- a820 Activities of organising daily routine**  
 simple and complex and coordinated actions that an individual needs to perform in order to plan, manage and complete the requirements of day-to-day routines
- Inclusions: activities of keeping and following a daily schedule; budgeting time for day-to-day activities; managing one's level of activity during the day; organizing one's day; keeping appointments*
- Exclusions: problem solving activities (a145); decision making activities (a150); activities of performing a task (a810); activities of performing multiple tasks (a815); activities of sustaining task performance (a825); activities of handling stress and other psychological demands (830); Activities of Performing in Major Life Situations (a840-a879)*
- a8200 Planning daily routine**  
 simple and complex and coordinated actions that an individual needs to perform in order to plan the requirements of day-to-day routines
- Inclusions: activities of arranging events in the day; scheduling time; anticipating time requirements for events and required tasks during the day or week*
- a8201 Managing time for daily routine**  
 simple and complex and coordinated actions that an individual needs to perform in order to manage the time and energy requirements of day-to-day routines
- Inclusions: activities of following the planned arrangement of events in the day; dealing with scheduling time; organizing time in accordance with anticipated time requirements for events and required tasks during the day or week*
- a8202 Completing the daily routine**  
 simple and complex and coordinated actions that an individual needs to perform in order to complete day-to-day routines
- Inclusions: activities of making adjustments or corrections to planned sequence of routines to deal with unanticipated events; completing the routines of the day*
- a8203 Managing own activity level**  
 actions and behaviours an individual needs to perform in order to arrange the energy and time demands of the activities required for day-to-day routines
- Inclusions: activities of pacing oneself through the day; anticipating task demands and managing how to deal with them*
- a8208 Other specified activities of organising daily routine**
- a8209 Unspecified activities of organising daily routine**
- a825 Activities of sustaining task performance**  
 simple and complex and coordinated actions that an individual needs to perform to successfully maintain physical and mental endurance while performing simple and complex tasks, including repetitive, monotonous or prolonged tasks
- Inclusions: activities of sustaining the physical requirements of repetitive or prolonged tasks; sustaining the mental requirements of repetitive or prolonged tasks*
- Exclusions: activities of performing a task (a810); activities of performing multiple tasks (a815); activities of handling stress and other psychological demands (830); Activities of Performing in Major Life Situations (a840-a879)*

- a8250 Sustaining physical requirements for task performance**  
 simple and complex and coordinated actions that an individual needs to perform to sustain levels of physical endurance in order to successfully perform simple and complex tasks, including repetitive, monotonous or prolonged tasks
- Inclusions: activities of sustaining sedentary or standing tasks*
- a8251 Sustaining psychological requirements for task performance**  
 simple and complex and coordinated actions that an individual needs to perform to sustain psychological endurance in order to successfully perform simple and complex tasks, including repetitive, monotonous or prolonged tasks
- a8258 Other specified activities of sustaining task performance**
- a8259 Unspecified activities of sustaining task performance**
- a830 Activities of handling stress and other psychological demands**  
 simple and complex and coordinated actions that an individual needs to perform to successfully manage and control the psychological demands of task performance requiring significant responsibilities and involving stress, distraction and crises
- Inclusions: activities of dealing with responsibilities associated with a task; coping with tension, strain, stress, and danger or difficulty arising during the performance of a task; coping with excessive or multiple demands; coping with conflicts*
- Exclusions: activities of performing a task (a810); activities of performing multiple tasks (a815); activities of sustaining task performance (a825); activities of responding to unusual situations (a870); Activities of Performing in Major Life Situations (a840-a879)*
- a8300 Handling responsibilities**  
 simple and complex and coordinated actions that an individual needs to perform to successfully manage the responsibilities of task performance and to assess the requirements of these responsibilities
- a8301 Handling stress**  
 simple and complex and coordinated actions that an individual needs to perform to successfully cope with pressure and stress associated with task performance
- a8302 Handling crisis**  
 simple and complex and coordinated actions that an individual needs to perform to successfully cope with decisive turning points in a situation or times of acute danger or difficulty associated with task performance
- a8308 Other specified activities of handling stress and other psychological demands**
- a8309 Unspecified activities of handling stress and other psychological demands**
- a839 Other specified and unspecified general tasks and demands**

## ACTIVITIES OF PERFORMING IN MAJOR LIFE SITUATIONS (a840-a879)

### **a840 Activities of performing in work**

actions, behaviours, and simple and complex tasks an individual needs to perform at work, such as actions and tasks involved in accepting a job, following directions, working alone or in groups, attending, supervising and being supervised, and as well as the complex tasks involved in acquiring, maintaining and leaving jobs

*Inclusions: activities of accepting a task related to work; following directions at work; organizing time to complete work tasks; working with other co-workers when it is appropriate or required; attending work on time and regularly as appropriate or required; supervising work done by subordinates, or appropriately responding to supervision by one's work superiors; seeking and finding employment; maintaining and progressing through a job; quitting a job in an appropriate manner*

*Exclusions: General Task and Performance Demand Activities (a810-a839)*

### **a8400 General work activities**

actions, behaviours, and simple and complex tasks that are needed to complete work-related tasks and skills that an individual needs to perform at work

*Inclusions: activities of accepting a task related to work; following directions at work; organizing time to complete work tasks; working independently and autonomously*

### **a8401 Activities of working in groups**

actions, behaviours, and simple and complex tasks that are needed to work with other co-workers when it is appropriate or required

### **a8402 Attending work**

actions, behaviours, and simple and complex tasks that are needed to attend work on time and regularly as appropriate or required

### **a8403 Supervising activities at work**

actions, behaviours, and simple and complex tasks that are needed to oversee, inspect or survey work done by subordinates, or to appropriately respond to supervision by one's work superiors

*Inclusions: activities of monitoring and supporting other people's work; exercising control and supervision in appropriate manner; reacting appropriately to instruction, comment or criticism from a work superior; modifying work performance in light of instruction, comment or criticism*

### **a8404 Activities related to work acquisition, retention and termination**

actions, behaviours, and simple and complex tasks that are needed to seek and find employment, to maintain and progress through a job, and to quit a job in an appropriate manner

*Inclusions: activities of preparing a resume or curriculum vitae; contacting employers and preparing interviews; monitoring one's own work performance; giving notice*

### **a8408 Other specified activities related to performing at work**

### **a8409 Unspecified activities related to performing at work**

- a845 Activities of performing in school**  
actions, behaviours, and simple and complex tasks an individual needs to perform at school, college, university, technical institution or in any educational setting, such as performing school-related tasks, working in groups, attending as expected, and responding appropriately to supervision
- Inclusions: activities of accepting a school task or requirement; following directions; organizing time to complete school tasks or projects; working independent and autonomously; working with other students when it is appropriate or required; attending work with other students when it is appropriate or required; responding to supervision and instruction from one's teacher or other educator*
- Exclusions: General Task and Performance Demand Activities (a810-a839)*
- a8450 General school activities**  
actions, behaviours, and simple and complex tasks that are needed to complete school-related tasks and skills that an individual needs to perform at school or any educational setting
- Inclusions: activities of accepting a school task or requirement; following directions; organizing time to complete school tasks or projects; working independent and autonomously*
- a8451 Activities of working in group in school**  
actions, behaviours, and simple and complex tasks that are needed to work with other students when it is appropriate or required
- a8452 Attending school**  
actions, behaviours, and simple and complex tasks that are needed to attend school with other students on time and regularly as appropriate or required
- a8453 Activities of being supervised at school**  
actions, behaviours, and simple and complex tasks that are needed to appropriately respond to oversight, inspection, criticism, comment and instruction from one's teacher or other educator
- Inclusions: activities of reacting appropriately to instruction, comment or criticism from a teacher; modifying school work performance in light of instruction, comment or criticism*
- a8458 Other specified activities related to performing in school**
- a8459 Unspecified activities related to performing in school**
- a850 Activities of using money and finance**  
actions and tasks an individual needs to be able to perform in order to engage in basic and complex economic transactions, such as planning and budgeting, using banks and other financial services, and carrying out complex financial transactions
- Inclusions: activities of using money; budgeting and planning expenditures; using banks and other financial services*
- Exclusions: General Task and Performance Demand Activities (a810-a839)*
- a8500 Budgeting**  
actions and simple and complex tasks required for an individual to plan or budget economic resources
- Inclusions: activities of working with the notion of money; allocating economic resources for oneself, one's family or others; organizing expenditures in light of a budget*

- a8501 Using banks and performing financial transactions**  
actions and simple and complex tasks required for an individual to use banks and related institutions and performing basic financial transactions  
*Inclusions: activities of finding and choosing a bank or other institution; opening an account; using cheques and other financial transactions*
- a8502 Carrying out complex financial transactions**  
actions and simple and complex tasks required for an individual to carrying out complex economic transactions involving money, stocks, bonds, real estate, mortgages, insurance and other forms of economic exchange  
*Inclusions: activities of planning and organizing economic matters for complex transactions; understanding stock and bond markets; buying and selling assets*
- a8508 Other specified activities related to using money and finance**
- a8509 Unspecified activities related to using money and finance**
- a855 Activities for performance in recreation**  
actions, behaviours and simple and complex tasks an individual needs to perform at all forms of recreation or leisure, such as playing, sports, hobbies, artistic pursuits and travelling for pleasure  
*Inclusions: activities of playing indoor and outdoor games; sporting activities; artistic and cultural activities for leisure, tourist activities*  
*Exclusions: General Task and Performance Demand Activities (a810-a839)*
- a8550 Playing**  
actions, behaviours, and simple and complex tasks an individual needs to play, alone or in groups, indoors or outdoors
- a8551 Sporting activities**  
actions, behaviours and simple and complex tasks an individual needs to perform organized sporting events, alone or in teams, indoors or outdoors
- a8552 Activities related to artistic pursuits**  
actions, behaviours and simple and complex tasks an individual needs to perform hobbies, crafts and artistic pursuits for recreation and leisure, in a group or individually
- a8553 Activities related to travelling for pleasure**  
actions, behaviours and simple and complex tasks an individual needs to take part in tourist, sight-seeing or travelling activities for recreation and leisure, in a group or individually
- a8558 Other specified activities for performance in recreation**
- a8559 Unspecified activities for performance in recreation**
- a860 Activities of religious or spiritual pursuits**  
actions, behaviours and simple and complex tasks required for an individual to carry out religious or spiritual pursuits, in groups or individually  
*Inclusions: activities of praying alone; attending places of religious worship; following religious or spiritual guidelines in one's daily life*  
*Exclusions: General Task and Performance Demand Activities (a810-a839)*

- a865      **Activities of responding to unusual situations****  
actions, behaviours and simple and complex tasks required for an respond to unusual, extreme or dangerous situations that arise from natural or human-made events, such as extreme climatic conditions or weather, crises, or wars and conflicts
- Inclusions: activities of responding to extreme climatic situations, such as storms, extremes in temperature, humidity or air quality; activities of responding to natural disasters, such as floods, droughts and earthquakes; activities of responding to human-made disasters, such as violence, war, epidemics, environmental catastrophes*
- Exclusions: General Task and Performance Demand Activities (a810-a839)*
- a879      **Other specified and unspecified activities of performing in major life situations****
- a898      **Other specified activities of performing tasks and major life activities****
- a899      **Unspecified activities of performing tasks and major life activities****



## PARTICIPATION

**Definition:** Participation is an individual's involvement in life situations in relation to Health Conditions, Body Functions or Structures, Activities, and Contextual Factors. Participation Restrictions are problems an individual may have in the manner or extent of involvement in life situations.

### First qualifier

Uniform qualifier with the negative scale used to indicate the degree of restriction experienced in Participation. Reference point is the *UN Standard Rules on the Equalization of Opportunities for Persons with Disabilities*.

<b>xxx.0</b>	NO restriction	(none, absent, negligible... )	0-4 %
<b>xxx.1</b>	MILD restriction	(slight, low...)	5-24 %
<b>xxx.2</b>	MODERATE restriction	(medium, fair...)	25-49 %
<b>xxx.3</b>	SEVERE restriction	(high, extreme, ...)	50-95 %
<b>xxx.4</b>	COMPLETE restriction	(total...)	96-100 %
<b>xxx.8</b>	not specified		
<b>xxx.9</b>	not applicable		

### Second qualifier

To be developed, possibly to denote subjective satisfaction

## CHAPTER 1 PARTICIPATION IN PERSONAL MAINTENANCE

This chapter is about the basic essentials of living – maintaining one's personal care, nutrition and health. Restrictions in this area arise when environmental factors create barriers in the personal care, nutrition and health of the person.

- p110 Participation in personal care**  
involvement in cleanliness of body and body parts, including hair, nails, skin and teeth; access to clean and hygienic disposal of bodily waste, including urine, faeces and menstrual fluids; and maintenance of personal appearance, as a function of the availability and accessibility of personal care resources
- Inclusions: opportunities for successful foot care and specific skin care (such as pressure sore management); appropriate bowel and bladder management, stoma and colostomy management; appropriate attire, makeup, accessories and jewellery; having access to toilet or bathroom, having adequate water and cleaning materials*
- p1100 Participation in personal cleanliness**  
involvement in cleanliness of body and body parts, including hair, nails, skin and teeth; access to clean and hygienic disposal of bodily waste, including urine, faeces and menstrual fluids as a function of the availability and accessibility of personal care resources
- p1101 Participation in personal appearance**  
involvement in the maintenance of personal appearance, as expected as a function of the availability and accessibility of personal care resources
- p1108 Other specified participation in personal care**
- p1109 Unspecified participation in personal care**
- p120 Participation in nutrition**  
involvement in culturally appropriate and healthy food and drink, and having the means to acquire, store, prepare and consume food and drink as a function of availability and accessibility of nutrition resources
- Inclusions: opportunities for successful procurement, storage, preparation and presentation and consumption of foods and fluids including the exercising of a choice; access to vitamins and other dietary supplements; access to specialized feeding techniques such as oral and tube feeding and intravenous hydration, breast-feeding and parental nutrition*
- Exclusion: participation in health (p140); Participation in nutrition for others (p540)*
- p1200 Participation in food and drink acquisition**  
involvement in culturally appropriate and healthy food and drink, as a function of the availability and accessibility of these resources
- p1201 Participation in food and drink preparation**  
involvement in culturally appropriate preparation and storage of food and drink as a function of availability and accessibility of appropriate food and drink preparation resources
- p1202 Participation in food and drink consumption**  
involvement in the consumption of culturally appropriate and healthy food and drink, as a function of availability and accessibility of nutrition resources
- p1208 Other specified participation in nutrition**
- p1209 Unspecified participation in nutrition**

- p130 Participation in necessities for oneself**  
involvement in culturally appropriate articles of daily personal use, including clothing and footwear, as a function of the availability and accessibility of these necessities
- Inclusions: opportunities for the successful acquisition, storage, maintenance of clothing and footwear; access to items of daily personal use, access to modified footwear*
- Exclusion: participation in nutrition (p120); participation in management of the home and possessions (p520)*
- p140 Participation in health**  
involvement in formal and informal health care and health services, both for promotion of good health and prevention of and care for ill-health and injury, as a function of the availability and accessibility of health care services and resources
- Inclusions: access to informal advice and traditional knowledge about health; access and use of prenatal services, immunization, and anti-smoking, nutrition, fitness, stress management and behaviour modification programmes; availability of appropriate health care services, including primary, secondary and tertiary care, nursing care, therapeutic and rehabilitative care services*
- Exclusions: participation in health maintenance for others (p550)*
- p1400 Participation in health by informal means**  
involvement in informal health care, both for promotion of good health and prevention of and care for ill-health and injury, as a function of the availability and accessibility of informal health care services and resources
- p1401 Participation in health promotion services**  
involvement in health care services for promotion of good health, as a function of the availability and accessibility of health promotion services and resources
- p1402 Participation in services for prevention of ill-health**  
involvement in health services for prevention of ill-health and injury, as a function of the availability and accessibility of appropriate health care services and resources
- p1403 Participation in health care services**  
involvement in primary, secondary and tertiary health care and health services, as a function of the availability and accessibility of health care services and resources
- p1408 Other specified participation in health**
- p1409 Unspecified participation in health**
- p198 Other specified participation in personal maintenance**
- p199 Unspecified participation in personal maintenance**

## **CHAPTER 2 PARTICIPATION IN MOBILITY**

This chapter is about getting around in one's home, one's immediate neighbourhood or the wider world. Given the level of body functioning and activity, restrictions in participation in mobility are brought about by features of the person's environment, both physical and social, that make it difficult for him or her to get around.

- p210 Participation in mobility within the home**  
involvement in mobility in and around one's home, movement within a room, or around the whole residence or living area, as a function of the availability and accessibility of appropriate mobility resources or accommodations
- Inclusions: having the opportunity for mobility within and at all levels of one's residence, or an attached balcony, courtyard, porch or garden; having an accessible or adapted home; being able to move around one's home as one wishes*
- p220 Participation in mobility within buildings other than home**  
involvement in mobility within buildings other than one's residence, including homes of others, offices and other private buildings, community and public buildings and enclosed areas, as a function of the availability and accessibility of mobility resources and accommodations
- Inclusions: having the opportunity for mobility throughout all parts of buildings or enclosed areas; access to and use of ramps, stairs, lifts, or escalators; being able to move around buildings, public and private*
- p230 Participation in mobility outside the home and other buildings**  
involvement in mobility outside of one's home and other buildings without the use of private, commercial or public transportation, including walking, running and other alternative modes of locomotion outside of buildings, for short and long distances. as a function of the availability and accessibility of appropriate mobility resources and services
- Inclusions: having the opportunity for mobility across and down streets in the neighbourhood, town, village or city, between cities, and further distances (without use of private, commercial or public transportation); availability of curb cuts, access and other environmental modifications; being able to move around outside as one wishes and where one wishes to go*
- Exclusion: participation in mobility with transportation (p240)*
- p2300 Participation in mobility close to the home**  
involvement in mobility close to one's home, without the use of private, commercial or public transportation, including walking, running and other alternative modes of locomotion outside of buildings, for short and long distances, within one's town, village or city, as a function of the availability and accessibility of appropriate mobility resources and services
- p2301 Participation in mobility far from the home**  
involvement in mobility outside of one's home and any distance away from one's home, without the use of private, commercial or public transportation, including walking, running and other alternative modes of locomotion outside of buildings, for short and long distances. as a function of the availability and accessibility of appropriate mobility resources and services
- p2308 Other specific participation in mobility outside the home and other buildings**
- p2309 Unspecified participation in mobility outside the home and other buildings**

- p240      Participation in mobility with transportation**  
involvement in mobility in the wider environment by means of any form of private, commercial or public transportation, as a function of the availability and accessibility of appropriate mobility resources and services
- Inclusions: having the opportunity for mobility by means of private forms of transportation such as animals, self-propelled land or water vehicles (bicycles, tricycles, carts, rowing boats,) and motorised land, water or air vehicles (cars, scooters, power boats, aircraft); being eligible for the legal preconditions for the ownership, use and operation of private vehicles (licences, parking permits, and other legal requirements); availability of appropriately designed or outfitted vehicles; or taxis, boats or planes for hire commercially; or public forms of transportation such as buses, coaches, ferries and trains; being permitted to use transportation to be mobile wherever one wishes to go*
- Exclusions: participation in mobility and transportation for others (p560)*
- p2400      Participation in mobility with private transportation**  
involvement in mobility in the wider environment by means of private transportation, as a function of the availability and accessibility of appropriate private transportation resources and services
- p2401      Participation in mobility with commercial transportation**  
involvement in mobility in the wider environment by means of any form of privately-owned and publicly used, commercial transportation, as a function of the availability and accessibility of commercial transportation resources and services
- p2402      Participation in mobility with public transportation**  
involvement in mobility in the wider environment by means of any form of public or mass transportation, as a function of the availability and accessibility of appropriate public transportation resources and services
- p2408      Other specified participation in mobility with transportation**
- p2409      Unspecified participation in mobility with transportation**
- p298      Other specified participation in mobility**
- p299      Unspecified participation in mobility**

## CHAPTER 3 PARTICIPATION IN EXCHANGE OF INFORMATION

This chapter is about involvement in the exchange of information, by any means. Restrictions in this area arise when environmental factors create barriers in spoken, written and other forms of language, as well as in the use of communication devices and technologies.

### **p310 Participation in spoken exchange of information**

involvement in the exchange of information by spoken means, including both the expression and reception of information, as a function of the availability and accessibility of relevant spoken communication resources and services

*Inclusions: engagement in communication with others for the exchange of information about needs, feelings, beliefs, abstract thoughts and concepts, and so on, by spoken means; engagement in spoken communication with or without assistive technology or the assistance of an interpreter; engagement in the complete act of communication by spoken means, where what is expressed is understood by all parties to the communication or conversation; having opportunity to express and a willingness by others to listened*

### **p320 Participation in written exchange of information**

involvement in the exchange of information by all forms of written material, as a function of the availability and accessibility of relevant written communication resources and services

*Inclusions: engagement in communication with others for the exchange of information about needs, feelings, beliefs, abstract thoughts, concepts and so on, by written means; opportunities for written exchange of information by natural languages, Braille or other forms of writing, drawing or pictographs; successful exchange by written means, where what is written is understood as communicated; successful exchange of written information, in any mode (paper or computer screen), with or without assistive technology or the assistance of others, and access to special written material, such as large print; having the opportunity to express by writing and a willingness by others to listened*

*Exclusion: participation in non-verbal exchange of information (p340)*

### **p330 Participation in exchange of information using formal sign language**

involvement in the exchange of information by means of a sign language that is established and formally taught, as a function of the availability and accessibility of relevant formal sign communication resources and services

*Inclusions: engagement in exchange of information about needs, feelings, beliefs, abstract thoughts and concepts, and so on by the use of formal sign language, such as American Sign Language, both as signer and as a receiver, including having access to sign interpreters, and signed coverage of the news on TV; opportunities for exchange of information by the means of one's choice*

### **p340 Participation in non-verbal exchange of information**

involvement in the exchange of information by non-verbal means, including mime, mimicry, body language, public signs and symbols, drawings and photographs, as a function of acceptance of others and the availability and accessibility of relevant communication resources and services

*Inclusions: access to and opportunities for exchange of information about needs, feelings, beliefs, abstract thoughts and concepts, and so on by means of numbers, symbol language such as Bliss Board, publicly understood symbols, shapes or colours, as used in warning signs, traffic signs and lights, and waymaking signs and icons, and drawings, sketches, diagrams, paintings, cartoons and photographs; engagement in exchange of information by the means of one's choice*

- p3400**      **Participation in exchange of information by body language**  
involvement in the exchange of information by body language, as a function of the availability and accessibility of relevant communication resources and services
- p3401**      **Participation in exchange of information by public symbols**  
involvement in the exchange of information by public signs and symbols, as a function of the availability and accessibility of relevant communication resources and services
- p3402**      **Participation in exchange of information by drawings and photographs**  
involvement in the exchange of information by drawings and photographs, as a function of the availability and accessibility of relevant communication resources and services
- p3408**      **Other specified participation in non-verbal exchange of information**
- p3409**      **Unspecified participation in non-verbal exchange of information**
- p350**      **Participation in exchange of information by means of communication devices and technologies**  
involvement in the exchange of information by means of having access to devices and technologies, including telecommunication  
  
*Inclusions: engagement in the exchange of information about needs, feelings, beliefs, abstract thoughts and concepts, and so on by having access to computers, data banks, TV, radio, telephones, faxes, E-mail and the Internet; access to closed captioning and other accommodations*
- p398**      **Other specified participation in exchange of information**
- p399**      **Unspecified participation in exchange in information**

## **CHAPTER 4 PARTICIPATION IN SOCIAL RELATIONSHIPS**

This chapter is about relationships people have with family members, intimate partners, friends, peers and strangers. These relationships range from the most personal and intimate to the most distant and impersonal. Restrictions in participation in relationships arise from barriers in the social and physical environment that are usually because of the attitudes and behaviour of other people.

- p410      Participation in family relationships**  
involvement in the creation and maintenance of family and kinship relationships (parent-child and child-parent relationships, sibling and others); and having the opportunity to fulfil family roles, as a function of being accepted by family members and having access to facilitating resources and services
- Inclusions: enjoyment of relationships associated with the nuclear family, extended family, foster and adopted family and step-relationships, as well as foster and adoptive parents, legal guardian, and brother, sister, cousin, nephew, niece, uncle, aunt, grandparent, grandchild, and other more distant relationships such as half-brother and half-sister, second cousin; having the opportunity of participating in the basic family roles, such as father, mother, sister and brother*
- Exclusion: participation in intimate relationships (p420)*
- p4100      Participation in parent-child relationships**  
involvement in the creation and maintenance of parent-child relationships and having the opportunity to fulfil parental roles, as a function of being accepted by children and by other family members and having access to facilitating resources and services
- p4101      Participation in child-parent relationships**  
involvement in the maintenance of child-parent relationships and having the opportunity to fulfil parental roles, as a function of being accepted by parents and other family members and having access to facilitating resources and services
- p4102      Participation in sibling relationships**  
involvement in the maintenance of brother and sister relationships and having the opportunity to fulfil sibling roles, as a function of being accepted by brothers or sisters and other family members and having access to facilitating resources and services
- p4103      Participation in other family relationships**  
involvement in the maintenance extended and intergenerational family relationships (e.g. nieces, nephews, cousins, grandparents, grandchildren, aunts, uncles and other culturally recognized extended family relationships) and having the opportunity to fulfil these family roles, as a function of being accepted by family members and having access to facilitating resources and services
- p4108      Other specified participation in family relationships**
- p4109      Unspecified participation in family relationships**

- p420 Participation in intimate relationships**  
involvement in the creation and maintenance of relationships of between individuals, such as man and wife, or other intimate relationships, including romantic, spousal and sexual relationships, as a function of being accepted by others as potential intimate partners and having access to relevant facilitating resources and services
- Inclusions: access to and fulfilment of relationships of formal and informal marriages, including participating in initiating relationships by dating, establishing, maintaining and dissolving intimate relationships; access to relationships with a sex worker; being part of romantic or sexual relationship; being able to fulfil oneself through intimate relationships of one's choice*
- Exclusion: participation in family relationships (p410)*
- p4200 Participation in romantic relationships**  
involvement in the creation and maintenance of romantic relationships, as a function of being accepted by others as potential intimate partners and having access to relevant facilitating resources and services
- p4201 Participation in spousal relationships**  
involvement in the creation and maintenance of relationships spousal relationships, as a function of being accepted by others as potential intimate partners and having access to relevant facilitating resources and services
- p4202 Participation in sexual relationships**  
involvement in the creation and maintenance of sexual relationships of between individuals, as a function of being accepted by others as potential intimate partners and having access to relevant facilitating resources and services
- p4208 Other specified categories of participation in intimate relationships**
- p4209 Unspecified categories of participation in intimate relationships**
- p430 Participation in informal social relationships**  
involvement in the creation and maintenance of informal relationships such as friends, neighbours, acquaintances, co-inhabitants of residences, peers and strangers, as a function of being accepted as a potential partner in an informal relationship and having access to relevant facilitating resources and services
- Inclusions: opportunities for companionship with others and having opportunities to build relationships with friends, casual or enduring, as well as with people who live nearby or in the same community; access to relationships with people who are met casually, or those who live in proximity in boarding houses, institutions, or other communal settings; opportunities for relationships with co-workers, fellow students, playmates, people with similar backgrounds or professions, and strangers; being permitted to fulfil oneself through informal relationships*
- p4300 Participation in relationships with friends**  
involvement in the creation and maintenance of friendship relationships, as a function of being accepted as a potential friend and having access to relevant facilitating resources and services
- p4301 Participation in relationships with neighbours**  
involvement in the creation and maintenance of informal relationships between neighbours, as a function of being accepted as a neighbour and having access to relevant facilitating resources and services
- p4302 Participation in relationships with acquaintances**  
involvement in the creation and maintenance of informal relationships of being an acquaintance as a function of being accepted as an acquaintance and having access to relevant facilitating resources and services

- p4303**      **Participation in relationships with co-inhabitants**  
involvement in the creation and maintenance of informal relationships of being a co-inhabitant of a house or other dwelling, privately or publicly run, for any purpose, as a function of being accepted as a co-inhabitant in an informal relationship and having access to relevant facilitating resources and services
- p4304**      **Participation in relationships with peers**  
involvement in the creation and maintenance of informal relationships between peers in age, interest or other common feature, as a function of being accepted as a peer and having access to relevant facilitating resources and services
- p4305**      **Participation in relationships with strangers**  
involvement in the temporary contacts and links between strangers for specific purposes, such as asking directions or making a purchase, as a function of being accepted as someone who can be approached, or can approach, and having access to relevant facilitating resources and services
- p4308**      **Other specified participation in informal social relationships**
- p4309**      **Unspecified participation in informal social relationships**
- p440**      **Participation in formal relationships**  
involvement in the creation and maintenance of specific relationships in formal settings, as a function of being accepted in that setting and having access to relevant facilitating resources and services  
  
*Inclusions: opportunities to develop and cultivate socially or professionally defined relationships such as teacher-student, service provider-client, professional-client, employer-employee, and business partners; being welcome into relationships formally structured by professional roles*
- p498**      **Other specified participation in social relationships**
- p499**      **Unspecified participation in social relationships**

## **CHAPTER 5 PARTICIPATION IN HOME LIFE AND ASSISTANCE TO OTHERS**

This chapter is about life in the home, either alone, in a family or other group, and the provision and care of housing, its possessions and care of others. Restrictions in this area arise because of social attitudes, social policies that affect the availability of suitable housing and resources for caring for others.

- p510**      **Participation in housing for self and others**  
 involvement in appropriate residence for oneself living alone, or with others, either with a family or with some other group, as a function of the availability and accessibility of housing resources and services
- Inclusions: access to opportunities for the selection, acquisition (by purchase or rental) of house, apartment or other form of residence; access to government or subsidized housing; access to group homes; having a place to live independently*
- Exclusions: participation in complex economic transactions (p820) and participation in economic self-sufficiency (p830)*
- p520**      **Participation in management of the home and possessions**  
 involvement in the supervision and organization of one's home, its furnishings, and all possessions in the home, including animals and plants, as a function of the availability and accessibility of relevant resources and services
- Inclusions: access to opportunities for the selection, acquisition, maintenance and repair of furniture, fixtures, household articles; access to necessities for home and household members; access to other possessions for home living, domestic and pet animals, crops and houseplants; opportunities to clean up one's toy and clean one's room; successfully decorating and arranging one's room and home as one wishes*
- Exclusion: participation in necessities for oneself (p130)*
- p530**      **Participation in caring for others**  
 involvement in the provision of care for other people, including their cleanliness, hygiene, and provision of basic necessities, such as for members of one's family, as a function of the availability and accessibility of relevant resources and services
- Inclusions: fulfilling one's responsibilities in providing others with assistance in bathing, washing, clothing, grooming, care for hair and body parts, helping others with their excretory management; helping others with communicating and learning; having opportunities to provide basic necessities for others; having the opportunity to fulfil the role of one who cares for others*
- Exclusions: participation in personal care (p110); participation in nutrition (p120); participation in non-remunerative work (p740)*
- p540**      **Participation in nutrition for others**  
 involvement in the provision of culturally appropriate and healthy food and drink for other people, such as members of one's family, as a function of the availability and accessibility of relevant resources and services
- Inclusions: fulfilling one's responsibility in providing food for the family, preparing food and feeding others, such as the elderly, children or persons who need assistance, breast-feeding; having the opportunity to fulfil the role of one who provides nutrition for others*
- Exclusions: participation in nutrition (p120); participation in caring for others (p530); participation in non-remunerative work (p740)*

- p550**      **Participation in health maintenance for others**  
involvement in the provision of formal and informal health care or health services, both for promotion of good health and prevention of and care for ill-health and injury, for other people, such as members of one's family, as a function of the availability and accessibility of relevant resources and services
- Inclusions: fulfilling one's responsibility in giving first aid or medicines, getting people to hospital or clinics, giving informal advice on health care; having the opportunity to fulfil the role of one who provides informal health care to others*
- Exclusions: participation in health (p140); participation in non-remunerative work (p740)*
- p560**      **Participation in mobility and transportation for others**  
involvement in assisting people in moving around and using transportation, such as for members of one's family, as a function of the availability and accessibility of relevant resources and services
- Inclusions: fulfilling one's responsibility in giving support to people moving around the home, pushing wheelchairs down the street, driving people to appointments, getting children to school, assisting others with buses; having the opportunity to fulfill the role of one who provides mobility support for others*
- Exclusions: participation in non-remunerative work (p740)*
- p598**      **Other specified participation in home life and assistance to others**
- p599**      **Unspecified participation in home life and assistance to others**

## **CHAPTER 6 PARTICIPATION IN EDUCATION**

This chapter is about engaging in educational pursuits, at all levels. Restrictions in participation in education are brought about by the features of the physical and social environment of a person that make it difficult, or perhaps impossible, to have the opportunity to learn and to perform in the educational setting.

### **p610 Participation in education in informal settings**

involvement in learning at home or in some other unstructured setting, as a function both of being accepted by others in the setting and the availability and accessibility of educational resources and services

*Inclusions: having opportunities for and being able to engage in learning a skill or traditional crafts from one's parents, family members, or others; attainment of an educational or skill level in informal setting; having access to informal education; being part of an informal education experience; being accepted by other students because of an disability awareness program for students and teachers*

### **p620 Participation in education prior to primary school**

involvement in any pre-school educational programme aimed at preparing the student for primary school, as a function both of being accepted by others in the setting and the availability and accessibility of educational resources and services

*Inclusions: having the opportunities for and being able to engage in programmes such as infant stimulation, pre-school designed for children aged 0-5 years, day-care education and kindergarten; being part of any similar programme designed to move the person to the next stage; attainment of an educational or skill level appropriate for pre-school development and transition to higher levels of education; having access to primary school education; being part of a primary school educational experience*

### **p630 Participation in education in school**

involvement in any primary or secondary educational programme, as a function both of being accepted by others in the setting and the availability and accessibility of educational resources and services

*Inclusions: having the opportunities for and being able to engage in primary school, secondary or high school or equivalents; attainment of an educational or skill level appropriate for level of educational development and transition to higher levels of education or to employment; having access to primary or secondary educational programmes; being part of a primary or secondary school educational experience*

### **p640 Participation in vocational training**

involvement in an educational or training institution for preparation for employment, as a function both of being accepted by others in the setting and the availability and accessibility of educational resources and services

*Inclusions: having the opportunities for and being able to engage in technical and polytechnical training programmes, technical diplomas and qualifications; attainment of vocational skill level and transition to other levels of education or to employment; having access to vocational training; being part of a vocational training experience*

- p650**      **Participation in higher education**  
involvement in college, university and professional educational programmes, as a function both of being accepted by others in the setting and the availability and accessibility of educational resources and services
- Inclusions: having the opportunities for and being able to engage in a bachelor's, master's or doctoral program, or professional schools such as law, medicine, architecture or engineering; access to all modes of instruction or other educational processes relevant to the programme; attainment of higher education or professional knowledge and skills and transition to other levels of education or to employment; having access to higher education; being part of a higher educational experience*
- p698**      **Other specified participation in education**
- p699**      **Unspecified participation in education**

## **CHAPTER 7 PARTICIPATION IN WORK AND EMPLOYMENT**

This chapter is about engaging in work and employment of all kinds. Restrictions in employment are brought about by the features of the physical and social environment of a person that make it difficult or impossible for the person to participate in the workplace or other employment situation as he or she would wish.

- p710      Participation in work preparation**  
involvement in programmes related to preparation for employment, including apprenticeships, internships and in-service training, as a function of the availability and accessibility of employment preparation related resources and services
- Inclusions: having the opportunities for and being able to engage in programmes that provide specific training on the job or prepare the person for a first or subsequent job; having work preparation opportunities; being accepted into training, guidance and counselling for work preparation; access to programmes to provide information on creating one's own job, or vocational orientation; preparation involving on-the-job training (apprenticeships, internships or articling), or offering out-placement services and retraining*
- Exclusion: participation in vocational training (p640)*
- p720      Participation in self-employment**  
involvement in any remunerative work which is generated by the individual or contracted from others without a formal employment relationship, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities for self-employment
- Inclusion: having the opportunities for self-employment, as in owning one's own business or shop, being a contractor, farmer or commissioned worker; being able to engage in self-employment; having options for self-employment and the means of being part of the self-employed labour force; engagement in work for oneself*
- p730      Participation in remunerative employment**  
involvement in all aspects of work relationship for pay, full or part time employment, including initiation, promotion, advancement, termination and retirement, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities for paid work
- Inclusions: having the opportunities for remunerative employment, such as working for a salary, wages or commission, work for money or payment in kind, full time job, part time job, factory work, agricultural migratory work, office job, sales and service jobs; being allowed to engage in remunerative employment; having options for remunerative employment and the means for being part of the labour force; engagement in remunerative work*
- Exclusion: participation in self-employment (p720)*
- p7300      Participation in full-time remunerative employment**  
involvement in all aspects of a full time work relationship for pay, including initiation, promotion, advancement, termination and retirement, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities for full time paid work
- p7301      Participation in part-time remunerative employment**  
involvement in all aspects of part time work relationship for pay, including initiation, promotion, advancement, termination and retirement, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities for part time paid work
- p7308      Other specified categories of participation in remunerative employment**

**p7309 Unspecified categories of participation in remunerative employment****p740 Participation in non-remunerative work**

involvement in all aspects of a work relationship in which pay is not provided by an employer, full or part time, including initiation, advancement and termination, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities for unpaid work

*Inclusions: having the opportunities for non-remunerative work, such as voluntary work or charity work; being allowed to engage in non-remunerative work and having the means required to be part of the voluntary work force; engagement in voluntary or charity work*

*Exclusions: Chapter 5 Participation in Home Life and Assistance to Others*

**p798 Other specified participation in work and employment****p799 Unspecified participation in work and employment**

## CHAPTER 8 PARTICIPATION IN ECONOMIC LIFE

This chapter is about participating in economic transactions and exchange of resources. The most common way of being involved in economic life is to have and use money—to engage in monetary transactions. As well, participating in economic life means that a person has the opportunity to be economically independent or self-sufficient. Restrictions in this are brought about by environmental factors that create barriers to economic life.

- p810**      **Participation in basic economic transactions**  
involvement in any form of simple economic transactions, such as buying, selling or bartering goods and services, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities to engage in simple economic transactions
- Inclusions: engagement in the economic transactions of buying and selling, using money or bartering, purchasing goods or services, saving money; being included in economic life as a participant; having economic options for simple transactions; having opportunities to engage in simple economic transactions; having access to the means of engaging in simple economic transactions; being recognized as a part of the nation's economy, for simple transactions*
- p820**      **Participation in complex economic transactions**  
involvement in any form of complex economic transaction that involves the exchange of capital or property, and the creation of profit, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities to engage in complex economic transactions
- Inclusions: engagement in complex economic transactions of maintaining a bank account, earning interest on money or goods, trading in stocks, bonds, securities and other debentures, investing, buying and selling land or property, buying and selling, commodities and futures, foreign currency trading, buying and selling insurance; being included in economic life as a participant; having economic options for complex transactions; having opportunities to engage in complex economic transactions; having access to the means of engaging in complex economic transactions; being recognized as a part of the nation's economy, for complex transactions*
- Exclusion: participation in housing for self and others (p510); participation in remunerative employment (p730)*
- p830**      **Participation in economic self-sufficiency**  
involvement in and having command over economic resources, from private or public sources, in order to ensure economical security for present and future needs, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities to be economically independent and self-reliant
- Includes: access to money, real estate, capital investments or other complex economic transactions; command over publicly provided resources such as money or in-kind resources (food stamps, vouchers or chit systems for rehabilitation services); private resources (personal wealth, inheritances, or money from employment or other private sources); being financially self-sufficient; having enough economic resources for a decent life; enjoying economic security*
- p8300**      **Participation in command over personal economic resources**  
involvement in and having command over personal or private economic resources, in order to ensure economical security for present and future needs, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities from personal economic resources to be economically independent and self-reliant

- p8301      Participation in access to public economic entitlements**  
involvement in and having command over public economic resources, in order to ensure economical security for present and future needs, as a function of the availability and accessibility of resources and services facilitating or increasing opportunities from public economic resources to be economically independent and self-reliant
- p8308      Other specified participation in economic self sufficiency**
- p8309      Unspecified participation in economic self sufficiency**
- p898      Other specified participation in economic life**
- p899      Unspecified participation in economic life**

## **CHAPTER 9 PARTICIPATION IN COMMUNITY, SOCIAL AND CIVIC LIFE**

This chapter is about organized social life outside of the family, including local or community associations, clubs, groups, organised religions, and the political and civic life of one's country. Political participation concerns the social and legal status of a person—participation in citizenship. This involves the rights and obligations a person has and the social and political roles they can play in their society. Restrictions in these areas arise when environmental factors create barriers in some area of community, social and civic life.

### **p910 Participation in community**

involvement in all aspects of community social life, community associations or groups, community social roles, including informal and formal associations, and non-religious ceremonies, as a function of the acceptance by others into community life and the availability and accessibility of resources facilitating or increasing opportunities to engage in community social life

*Inclusions: having the opportunity to join and being included in associations of all sorts: those formed by people with common interests, hobbies, ancestry, ethnicity, gender or age, seniors and teen-age groups, political and other forms of advocacy or furtherance of common aims; having appropriate access to formal associations such as legal, medical or other professional groups, political parties, organised advocacy, charitable and political and social issue groups, charitable or non-charitable organizations, service clubs, fraternities and sororities; access to, and being welcomed into non-religious ceremonies such as non-religious marriages, funerals, birthday celebrations, coming-of-age parties, as well as public events such as carnivals and festivals, parades, national or civic ceremonies, ethnic celebrations; fulfilling one's social participation needs; enjoyment of association at the community level; full membership into the community*

*Exclusions: participation in recreation and leisure (p920); participation in religion and spirituality (p930)*

### **p9100 Participation in informal associations**

involvement in informal social associations, as a function of the acceptance by others into these associations and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in the activities and events of these associations

### **p9101 Participation in formal associations**

involvement in formal social associations, such as professional organizations and other exclusive groups, as a function of the acceptance by others into these associations and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in the activities and events of these associations and organizations

### **p9102 Participation in ceremonies**

involvement in non-religious ceremonies such as marriage or initiation ceremonies, as a function of the acceptance by others into these associations and the availability and accessibility of resources facilitating or increasing opportunities to engage in these events

### **p9108 Other specified participation in community**

### **p9109 Unspecified participation in community**

- p920 Participation in recreation and leisure**  
involvement in any form of play, recreational and leisure activity, including sports, games, artistic and cultural activities, crafts, hobbies and tourism, as a function both of the acceptance of others into these recreational and leisure activities and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in these practices and events
- Inclusions: having the opportunity to participate in events and programmes for physical fitness, or developing athletic ability, relaxation, amusement or diversion; being welcome into play and games; having access to sports teams; having access to and being included in cultural events in museums, art galleries, cinemas or theatres, artistic or other competitions, crafts, hobbies, playing musical instruments, collecting stamps, coins or antiques, sightseeing, tourism and travel for leisure*
- Exclusions: Chapter 2 Participation in Mobility (p210-p299); Chapter 3 Participation in Exchange of Information (p310-p399); Chapter 4 Participation in Social Relationships (p410-p499); Chapter 7 Participation in Work and Employment (p710-p799); Chapter 8 Participation in Economic Life (p810-p899); participation in community (p910), participation in religion and spirituality (p930).*
- p9200 Participation in play**  
involvement in any form of play, such as engaged in by children, as a function both of the acceptance of others into the games and other play activities and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in the playing
- p9201 Participation in sport**  
involvement in any form of sport, informal or organized, individual or group, as a function both of the acceptance of others into team or other group sporting activity and other play activities and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in the playing
- p9202 Participation in arts and culture**  
involvement in any form of artistic and cultural activity and event, as a function both of the acceptance of others and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in the artistic and cultural activities and events
- p9203 Participation in crafts**  
involvement in any form of arts and crafts, as a function both of the acceptance of others and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in crafts
- p9204 Participation in hobbies**  
involvement in any form of hobby, carried out in groups or alone, as a function of the acceptance of others and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in hobbies
- p9205 Participation in socialising**  
involvement in any form of socializing, such as visiting friends and relatives, or informally meeting friends in public places, or other socially appropriate and accepted practices of getting together informally and on a friendly basis, as a function of the acceptance of others and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in socializing
- p9208 Other specified participation in recreation**
- p9209 Unspecified participation in recreation**

- p930 Participation in religion and spirituality**  
involvement in religious or spiritual activities, organizations and practices for self-fulfilment, finding meaning and establishing connection with others in the world or a divine power, as a function of the acceptance of other members of the religious group or by the doctrine of the religious or spiritual community and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in these practices and events
- Inclusions: having the opportunity to join in, and be accepted in, all forms of religious or spiritual life: meditation and reflection, reading and learning the doctrines of a religion, redefining the self and one's role, theistic and non-theistic religions, sects, cults, and other divisions; joining in, as a full participant, in religious practices and customs, rites and rituals, group prayer and other congregational or pastoral activities; fulfilling one's spiritual life as a full participant; being welcomed into a religious community*
- p9300 Participation in organised religion**  
involvement in organized religious ceremonies, activities and events, as a function of the acceptance of other members of the religious group or by the doctrine of the religious or spiritual community and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in these practices and events
- p9301 Participation in spirituality**  
involvement in spiritual activities and events, as a function of the acceptance of other members of the spiritual group or by the doctrine of the religious or spiritual community and the availability and accessibility of resources facilitating or increasing opportunities to engage fully in these practices and events
- p9308 Other specified participation in religion and spirituality**
- p9309 Unspecified participation in religion and spirituality**
- p940 Participation in human rights**  
involvement in human rights as recognized by international treaties, declarations, rules and conventions accorded to people by virtue of their humanity alone, as a function of the recognition of other members of society that one enjoys these rights and the availability and accessibility of resources facilitating or increasing opportunities to fully enjoy and gain the benefits of these rights
- Inclusions: having the opportunity to enjoy human rights, including the right of equal concern and respect as a human being; enjoyment of the human rights recognised in the United Nations Universal Declaration of Human Rights (1948) and the United Nations Standard Rules for the Equalisation of Opportunities for Persons with Disabilities (1993), the right to self-determination or autonomy, the right to control one's destiny, freedoms of speech and association; having the role and social status of a full human being with rights*
- Exclusion: participation in citizenship (p950)*

- p950**      **Participation in citizenship**  
involvement in the social, political and legal role of a citizen, and enjoying the rights, protections, privileges and duties associated with that role, including involvement in the political process and civil rights, legal rights, protections and duties, as a function of the recognition of other members of society that one enjoys these rights and privileges, and is accountable to the same duties, and the availability and accessibility of resources facilitating or increasing opportunities to fully enjoy and gain the benefits of being recognized as a full citizen
- Inclusions: having access to and opportunities for enjoying all of the rights and freedoms associated with citizenship, such as the rights of freedom of speech, association, religion, protections against unreasonable search and seizure, voting and participating in the political realm; having, and being recognized as having, the rights, privileges and responsibilities of a full citizen; having the status of a citizen; being a voter; having full political standing in one's country; being included as a citizen of the country; being accepted as a citizen; having legally enjoyable rights, including rights to property and self-determination; access to courts, tribunals and legal services; access to the political process; being included in the protections against discrimination; being part of the social system, with all the rights and privileges that go with that status; being accorded equal concern and respect as a full member of society*
- Exclusion: participation in human rights (p940)*
- p998**      **Other specified participation in community, social and civic life**
- p999**      **Unspecified participation in community, social and civic life**

## ENVIRONMENTAL FACTORS

Definition: Environmental Factors make up the physical, social and attitudinal environment in which people live and conduct their lives.

### First qualifier

Uniform qualifier, with negative and positive scale to denote extent of barriers and facilitators respectively

<b>xxx-0</b>	NO barriers	(none, absent, negligible...)	0-4 %
<b>xxx-1</b>	MILD barriers	(slight, low...)	5-24 %
<b>xxx-2</b>	MODERATE barriers	(medium, fair...)	25-49 %
<b>xxx-3</b>	SEVERE barriers	(high, extreme, ...)	50-95 %
<b>xxx-4</b>	COMPLETE barriers	(total...)	96-100 %
<b>xxx+0</b>	NO facilitators	(none, absent, negligible...)	0-4 %
<b>xxx+1</b>	MILD facilitators	(slight, low...)	5-24 %
<b>xxx+2</b>	MODERATE facilitators	(medium, fair...)	25-49 %
<b>xxx+3</b>	SEVERE facilitators	(high, extreme, ...)	50-95 %
<b>xxx+4</b>	COMPLETE facilitators	(total...)	96-100 %

If a decimal point is used instead of + or – sign, it will be assumed that the qualifier indicates a barrier.

- xxx.8** not specified
- xxx.9** not applicable

### Second qualifier

To be developed

## CHAPTER 1 PRODUCTS AND TECHNOLOGY

This chapter is about the natural or human-made products or systems of products, equipment and technology in an individual's immediate environment, that are gathered, created, produced or manufactured.

- e110 Products or substances for personal consumption**  
any natural or human-made object or substance gathered, processed or manufactured for human consumption
- Inclusions: products such as food, medications*
- e1100 Food**
- e1101 Drugs**
- e1108 Other specified products or substances for personal consumption**
- e1109 Unspecified products or substances for personal consumption**
- e115 Products for personal use in daily living**  
pieces of equipment, or systems of products, processes, methods and technology used to maintain, increase, or improve an individual's function in day to day life
- Inclusions: products such as clothes, textiles, furniture, appliances, cleaning products and tools, and related assistive technology such as therapy and training devices, prosthetic and orthotic devices, housekeeping devices, devices for handling products and good; products for personal protection such as security systems, weapons; computer hardware, software, accessories and virtual reality devices aimed at facilitating an individual's function in day to day life and control over their indoor setting (scanners, remote control systems, voice controlled systems, timer switches)*
- Exclusions: Products for communication (e135), Products for personal mobility and transportation (e140), Products for architectural and building construction (e125), Products for commerce, industry and employment (e150 )*
- e1150 General products for personal use**
- e1151 Related assistive technology for daily living**
- e1158 Other specified products for personal use in daily living**
- e1159 Unspecified products for personal use in daily living**
- e120 Assets**  
products or objects of economic exchange such as money, goods, property and other valuables which an individual owns or to which he or she has rights of use
- Inclusions: products of tangible and intangible property, money and other financial instruments which serve as a medium of exchange for labour, capital, goods and services*

- e125      Products of architecture, building and construction**  
products that constitute an individual's indoor and outdoor, human-made environment that are planned, designed and constructed
- Inclusions: indoor and outdoor architectural products for all types of buildings, support devices (e.g. rails), adaptations to doors and windows; home and business construction components (e.g. elevators, fixed and mobile ramps, flooring and safety equipment)*
- Exclusions: Products and technology for building (e125), Products for communication (e135), Products for mobility and transportation (e140), Products for education (e145), Products for commerce, industry, employment (e150), Products for recreation and sport (e155), Products for culture and religion (e160)*
- e1250      Indoor products of architecture, building and construction**
- e1251      Outdoor products of architecture, building and construction**
- e1258      Other specified products of architecture, building and construction**
- e1259      Unspecified products of architecture, building and construction**
- e130      Products of land development**  
products that constitute an individual's immediate environment that have been affected or changed by land use policies, design, planning and development of space
- Inclusions: areas of land that have been organized by land use policies, such as rural areas, suburban areas, urban areas, parks, conservation areas and wildlife reserves*
- Exclusions: Land use planning services (e520 ) and Land use planning systems and policies (e615)*
- Exclusions: Land use planning services (e520 ) and Land use planning systems and policies (e615)*
- e1300      Rural areas**
- e1301      Suburban areas**
- e1302      Urban areas**
- e1303      Parks, conservation and wildlife areas**
- e1308      Other specified products of land development**
- e1309      Unspecified products of land development**
- e135      Products for communication**  
pieces of equipment, or systems of products, processes, methods and technology used to maintain, increase, or improve an individual's transmission of messages, information and signalling
- Inclusions: products such as optical and auditory devices, audio recorders and receivers, television and video equipment, telephone devices, sound transmission systems and face-to-face communication devices, and related assistive technology such as specialised vision devices, electro-optical devices, specialised writing devices, drawing or handwriting devices, signalling systems and computer devices*
- e1350      General products for communication**
- e1351      Related assistive technology for communication**
- e1358      Other specified products for communication**

- e1359 Unspecified products for communication**
- e140 Products for personal mobility and transportation**  
pieces of equipment, or systems of products, processes, methods and technology used to maintain, increase, or improve an individual's ability to move around indoors and outdoors
- Inclusions: products of transportation such as motorised and non-motorised vehicles used for the transportation of people and transportation routes used by people for movement over ground, water and air (e.g. railways, highways, airports, harbours, canals, and related assistive technology such as devices for personal mobility and transportation (e.g. walking devices, special cars and vans, adaptations to vehicles, wheelchairs, transfer devices and animals used for personal mobility and transportation*
- e1400 Products for Indoor mobility**
- e1401 Products for outdoor mobility and transportation**
- e1408 Other specified products for personal mobility and transportation**
- e1409 Unspecified products for personal mobility and transportation**
- e145 Products for education**  
pieces of equipment, or systems of products, processes, methods and technology used for acquisition of knowledge, expertise or skill
- Inclusions: products that are used for education at any level such as books, manuals, educational toys, computer hardware, software (e.g. CD ROM), accessories and virtual reality devices aimed at facilitating the educational process and related assistive technology*
- Exclusions: Products for communication (e135)*
- e1450 General products for education**
- e1451 Related assistive technology for education**
- e1458 Other specified products for education**
- e1459 Unspecified products for education**
- e150 Products for commerce, industry and employment**  
pieces of equipment, or systems of products, processes, methods and technology used in the business, work and manufacturing sectors to facilitate the conduct of specific tasks
- Inclusions: products such as tools, machines, office equipment and other physical resources, and related assistive technology; computer hardware, software, accessories and virtual reality devices aimed at facilitating an individual's conduct of work-related tasks and aimed at control of the work environment (e.g. scanners, remote control systems, voice controlled systems, timer switches)*
- Exclusions: Products of building and construction (e125)*
- e1500 General products for commerce, industry and employment**
- e1501 Related assistive technology for commerce, industry and employment**
- e1508 Other specified products for commerce, industry and employment**
- e1509 Unspecified products for commerce, industry and employment**

- e155      Products for recreation and sport**  
pieces of equipment, or systems of products, processes, methods and technology used for the conduct and enhancement of recreational activities
- Inclusions: general products such as toys, skis, tennis balls, sport guns and rifles, musical instruments, and related assistive technology such as modified mobility devices for sports, adaptations for musical and other artistic performance.*
- Exclusions: Products for personal use in daily life (e115).*
- e1550      General products for recreation and sport**
- e1551      Related assistive technology for recreation and sport**
- e1558      Other specified products for recreation and sport**
- e1559      Unspecified products for recreation and sport**
- e160      Products for culture and religion**  
objects, unique or mass-produced that are given, or take on a symbolic meaning in the context of culture or religion
- Inclusions: objects such as a spirit house, maypole, and headdress, masks, crucifix, menorah and prayer mat*
- e1600      General products for culture and religion**
- e1601      Related assistive technology for culture and religion**
- e1608      Other specified products for culture and religion**
- e1609      Unspecified products for culture and religion**
- e198      Other specified products and technology**
- e199      Unspecified products and technology**

## **CHAPTER 2 NATURAL ENVIRONMENT AND HUMAN MADE CHANGES TO ENVIRONMENT**

This chapter is about animate and inanimate elements of the natural or physical environment, and components of that environment that have been modified by people, as well as characteristics of population in that environment.

- e210 Physical geography**  
features of land forms and bodies of water
- Inclusions: features of geography included within orography (relief, quality and expanse of land and land forms including altitude) and hydrography (bodies of water)*
- e2100 Orography**
- e2101 Hydrography**
- e2108 Other specified elements of physical geography**
- e2109 Unspecified elements of physical geography**
- e215 Population**  
groups of people living in a given environment who share the same pattern of environmental adaptation, which are self-regulating and help to maintain the overall stability of an ecosystem
- features of population or demographic change, such as the composition and variation in the total number of individuals of a given population in an area caused by birth, death and migration; and population density (number of people per unit of land area)*
- e2150 Demographic change**
- e2151 Population density**
- e2158 Other specified elements of population**
- e2159 Unspecified elements of population**
- e220 Flora and fauna**  
plants and animals
- Exclusions: Domesticated animals (e350)*
- e2200 Plants**
- e2201 Animals**
- e2208 Other specified plants and animals**
- e2209 Unspecified plants and animals**
- e225 Climate**  
meteorological features and events, weather
- Inclusions: temperature, humidity, air pressure, seasonal variation, precipitation and day-to-day weather conditions such as wind, rain or snow*
- Exclusions: Natural events (e230)*
- e2250 Temperature**
- e2251 Humidity**

- e2252 Barometric pressure**
- e2253 Precipitation**
- e2254 Wind**
- e2258 Other specified elements of climate**
- e2259 Unspecified elements of climate**
- e230 Natural events**  
geographic and atmospheric changes that cause disruption in an individual's physical environment, occurring regularly or irregularly  
*Inclusions: earthquakes and severe or violent weather conditions such as tornadoes, hurricanes, typhoons, floods, forest fires, ice-storms*
- e235 Human-caused natural events**  
alterations or disturbances in the natural environments, caused by humans, that may result in the disruption of people's day to day lives  
*Inclusions: events or conditions linked to conflict and wars, such as the displacement of people, destruction of social infrastructure, homes and lands; environmental disasters, such as land, water or air pollution, toxic spills*
- e240 Light**  
electromagnetic radiation by which things are made visible  
*Inclusions: sunlight and artificial lighting*
- e2400 Sunlight**
- e2401 Artificial light**
- e2408 Other specified types of light**
- e2409 Unspecified types of light**
- e245 Time-Related Changes**  
natural, regular or predictable temporal change  
*Inclusions: day/night cycles and seasonal time-related changes*
- e2450 Day/night cycles**
- e2451 Seasonal time changes**
- e2458 Other specified time-related changes**
- e2459 Unspecified time-related changes**
- e250 Sound**  
sonorous phenomenon such as banging, ringing, thumping, whistling, yelling or buzzing, at any volume, timbre or tone  
*Inclusions: noise level and sound quality. banging, ringing, thumping, whistling, yelling, or buzzing at any volume and timber or tone*
- e2500 Noise**
- e2501 Sound quality**

- e2508**      **Other specified elements of sound**
- e2509**      **Unspecified elements of sound**
- e255**      **Vibration**  
regular or irregular motion to and fro of an object or an individual caused by a physical disturbance
- Inclusions: shaking, quivering, quick jerky movements of things, buildings or people caused by small or large equipment, aircraft, and explosion*
- Exclusions: Natural events (e230), such as vibration or shaking of the earth caused by earthquakes*
- e260**      **Air Quality**  
characteristics of the atmosphere or enclosed areas of air
- Inclusions: indoor and outdoor air quality, as affected by odour, smoke, humidity, such as secondary smoke exposure, ozone levels, and other features of the atmosphere*
- e2600**      **Indoor air quality**
- e2601**      **Outdoor air quality**
- e2608**      **Other specified types of air quality**
- e2609**      **Unspecified types of air quality**
- e298**      **Other specified elements of the natural environment**
- e299**      **Unspecified elements of the natural environment**

## CHAPTER 3 SUPPORT AND RELATIONSHIPS

This chapter is about people or animals that provide support, nurturing, protection, assistance and relationships to other persons, in their home, place of work, school or at play or in other aspects of their daily activities.

- e310 Immediate family**  
 individuals related by birth, marriage, or other relationship recognized by the culture as immediate family
- Inclusions: spouses, parents, siblings, children, foster parents, adoptive parents and grandparents*
- Exclusions: Extended family (e315); personal care providers and personal assistants (e340)*
- e315 Extended family**  
 individuals related through family or marriage or other relationships recognised by the culture as extended family
- Inclusions: aunts, uncles, nephews.*
- Exclusions: Immediate family (e310).*
- e320 Friends**  
 individuals who are close and on-going acquaintances in relationships characterised by trust and mutual support
- e325 Acquaintances, peers, colleagues, neighbours and community members**  
 individuals who are familiar to each others as acquaintances, peers, colleagues, neighbours, and community members, in situations of work, school, recreation, by means of communication systems, such as telephone, tty, internet, email, or other aspects of life, and who share demographic features such as age, gender, religious creed or ethnicity, or pursue common interests
- Inclusions: formal and informal relationships arising from sharing of some common activities or interests.*
- Exclusions: Associations and organisational services (e555).*
- e330 People in positions of authority**  
 individuals who have decision-making responsibilities for others and who have socially defined influence or power based on their social, economic, cultural or religious roles in society
- Inclusions: teachers, employers, supervisors, religious leaders, substitute decision-makers, guardians, trustees.*
- e335 People in subordinate positions**  
 individuals whose day-to-day life is influenced by people in positions of authority in work, school or other settings
- Inclusions: for example, students, workers, and members of a religious group.*
- Exclusions: Immediate family (e310).*

- e340 Personal care providers and personal assistants**  
individuals who provide services as required to support individuals in their daily activities, maintenance or performance at work, education or other life situation, provided either through public or private funds, or else on a voluntary basis
- Inclusions: providers of home-making and maintenance, personal assistants, transport assistant and other support needs ,pay help ,nanny and others who function as primary caregivers.*
- Exclusions: Immediate family (e310); Acquaintances, peers, colleagues, neighbours, and community members (e325) .*
- e345 Strangers**  
individuals who are unfamiliar and unrelated, or those who have not yet established a relationship or association
- Inclusions: persons unknown to the individual who are sharing a life situation with them such as substitute teachers, co-workers, care providers.*
- e350 Domesticated Animals**  
animals that provide physical, emotional or psychological support
- Inclusions: domestic pets (dogs, cats, birds, fish, etc.); farm animals and livestock, animals for personal mobility and transportation.*
- Exclusions: Flora and fauna (e220)*
- e398 Other specified types of support and relationship**
- e399 Unspecified types of support and relationships**

## CHAPTER 4 ATTITUDES, VALUES AND BELIEFS

This chapter is about the customs, conventions, ideologies, values, norms, attitudes and religious and other beliefs that influence individual behaviour and social life at all levels, from interpersonal relationships, community associations and political, economic and legal structures.

- e410 Individual attitudes**  
 general or specific opinions and viewpoints of particular individuals about other individuals - and social, cultural or sub-cultural groups of individuals - or about other matters, such as social, political and economic issues, that influence individual behaviour and actions
- Inclusions: individual attitudes about another individual's (or group of individuals') trustworthiness, and value as a human being such as may motivate positive, honorific practices, or negative and discriminatory practices (e.g. stigmatizing, stereotyping and marginalizing of an individual by others such as a co-workers, a teacher, or a community member)*
- e420 Individual values**  
 views, positions or beliefs that particular individuals hold about the importance, significance, or evaluation - moral, aesthetic, cultural, or political - about the traits, characteristics or other features of individuals (or groups of individuals), or more generally about what is of value, positively or negatively
- Inclusions: individual values about the moral worth of other people; values about individual beauty or appropriate or inappropriate behaviour; values about the importance or significance of life situations (e.g. work, school, religious practice, community associations); values about human rights, or political arrangements (e.g. democracy, equality); values about economic arrangements (e.g. cost effectiveness, efficiency).*
- e430 Individual beliefs**  
 general or specific assertions and statements about what is true or false to which an individual will give assent, that influence individual behaviour and actions
- Inclusions: individual beliefs about human nature and matters of fact; systems of beliefs about the world, whether confirmable or not (e.g. myths, scientific theories).*
- e440 Societal attitudes**  
 general or specific opinions and viewpoints generally held by people of a culture, society or other social group about other individuals -- and social, cultural or sub-cultural groups of individuals - or about other matters, such as social, political and economic issues, that influence group or individual behaviour and actions
- Inclusions: societal attitudes about moral worth, trustworthiness, and value as human beings, and the conveyance of these attitudes either in positive or honorific practices, or in negative and discriminatory practices (e.g. stigmatizing, stereotyping and marginalizing by society in general).*

- e450 Societal values**  
views, positions or beliefs generally held by people of a culture, society or other social group about the importance, significance, or evaluation - moral, aesthetic, cultural, or political - about the traits, characteristics or other features of individuals (or groups of individuals), or more generally about what is of value, positively or negatively
- Inclusions: societal values about the moral worth of other people; values about individual beauty or appropriate or inappropriate behaviour; values about the importance or significance of life situations (e.g. work, school, religious practice, community associations); values about human rights, or political arrangements (e.g. democracy, equality); values about economic arrangements (e.g. cost effectiveness, efficiency).*
- e460 Societal beliefs**  
general or specific assertions and statements about what is true or false to generally held by people of a culture, society or other social group that influence group or individual behaviour and actions
- Inclusions: societal beliefs about human nature and matters of fact; systems of beliefs about the world, whether confirmable or not (e.g. myths, scientific theories).*
- e470 Social norms, conventions and ideologies**  
customs, conventions, rules and abstract systems of values and normative beliefs (e.g. ideologies, philosophies) that arise within social contexts and which affect or create societal and individual beliefs, values and attitudes
- Inclusions: social norms of moral, etiquette and religious behaviour; religious doctrine and resulting norms and conventions; norms governing rituals or social gatherings, and informal conventions governing behaviors during emergencies.*
- e498 Other specified attitudes, values and beliefs**
- e499 Unspecified attitudes, values and beliefs**

## CHAPTER 5 SERVICES

This chapter is about structured programs, operations and services, public - private or voluntary - established at a local, community, regional, state, provincial, national or international level by employers, associations, organisations, agencies or government in order to meet the needs of individuals, and includes the persons who access, monitor and provide these services.

- e510 Services for the production of consumer goods**  
 services and programs for the collection, creation, production and manufacturing of consumer goods and products, including those who provide these services
- Inclusions: production and manufacturing services for products and technology used for mobility, communication, education, transportation and home delivery*
- Exclusions: Communication services (e535); education services (e580)*
- e515 Architecture, building and construction services**  
 services and programs for design, construction and maintenance of residential, commercial, industrial and public buildings, including those who provide these services
- Inclusions: services that implement and operationalize design principles, building codes, regulations and standards*
- Exclusions: Architecture, building and construction systems and policies (e610), such as legislation, regulation and policies established to regulate and monitor the programs and services*
- e520 Open space planning services**  
 services and programs aimed at planning, creating and maintaining urban, rural, recreational and conservation space, meeting and commercial open spaces (plazas, open air markets) and pedestrian and vehicular transportation routes for intended uses, including those who provide these services
- Inclusions: services for planning, designing, development and preservation of open space and specifically for rural, suburban, urban, parks conservation areas and wildlife reserve planning*
- Exclusions: Open spaces planning systems and policies (e615), such as regulations, zoning, planning acts; (e615); Architecture, building and construction systems and policies (e610)*
- e5200 Rural areas planning services**
- e5201 Suburban areas planning services**
- e5202 Urban areas planning services**
- e5203 Parks, conservation and wild life areas planning services**
- e5208 Other specified land use planning services**
- e5209 Unspecified land use planning services**
- e525 Housing services**  
 services and programs aimed at locating, providing and maintaining houses or shelters for persons to live in, including those who provide these services
- Exclusions: Housing systems and policies (e620)*

- e530 Utilities services**  
 services and programs supplying to the population as a whole with essential energy, sanitation and emergency repair support, including those who provide these services
- Inclusions: water, fuel, electricity, and sanitation services, pedestrian and vehicle transportation, essential services (e.g. emergency repair services, sanitation services for residential and commercial consumers)*
- Exclusions: Legal systems and policies (e645), such as emergency services for fire and police*
- e535 Communication services**  
 services and programs aimed at transmitting information by a variety of methods including telephone, fax, post office, electronic mail and other computer based systems, including those who provide these services
- Inclusions: telephone relay services, teletype services, modems, teletext services*
- Exclusions: Media services (e560)*
- e540 Transportation services**  
 services and programs aimed at moving persons or goods by road, paths, rail, air or water, including those who provide these services
- Inclusions: services for transportation planning and development*
- e545 Civil protection services**  
 services and programs organised by the community and aimed at safeguarding people and property, including those who provide these services
- Inclusions: fire, police, emergency and ambulance services*
- Exclusion: Political systems and policies (e685), such as the military system*
- e550 Legal services**  
 services and programs aimed at providing the authority of the state as defined in law, including those who provide these services
- Inclusions: courts, tribunals and other agencies for hearing and settling civil litigation and criminal trials, attorney representation, services of notaries, mediation, arbitration and correctional or penal facilities*
- Exclusion: Legal systems and policies (e645)*
- e555 Associations and organizational services**  
 services and programs provided by people who have joined together in the pursuit of common non-commercial interests with people who have the same interests, where the provision of such services may be tied to membership
- Inclusions: associations and organisations providing recreational and leisure, sporting, cultural, religious and mutual aid services; services of professional associations*
- e5550 Recreational organization services**
- e5551 Sporting organization services**
- e5552 Cultural organization services**
- e5553 Religious organization services**
- e5554 Mutual aid organization services**

- e5558 Other specified types of associations and organizational services**
- e5559 Unspecified types of associations and organizational services**
- e560 Media services**  
 services and programs aimed at providing mass communication, including those who provide these services
- Inclusions: radio, television, close captioning services, press reporting services, newspapers, Braille services, computer based mass communication (web, internet)*
- Exclusions: Communication services (e535); Media systems and policies (e655)*
- e565 Economic services**  
 services and programs aimed at the production, distribution, consumption and use of goods and services, including those who provide these services
- Inclusions: the private commercial sector, including businesses, corporations, private for-profit ventures; the public sector, including public, commercial services such as co-operatives and crown corporations; financial organisations, such as banks and insurance services*
- Exclusions: Utilities services (e530 ); Economic systems and policies (e660); labour and employment services (e585)*
- e5650 Private commercial sector services**
- e5651 Public sector economic services**
- e5652 Financial organizations services**
- e5653 Insurance services**
- e5658 Other specified economic services**
- e5659 Unspecified economic services**
- e570 Social security services**  
 services and programs aimed at providing income support to people who, because of age, poverty, unemployment, health condition or disability, require public assistance that is funded either by general tax revenues or contributory schemes, including those who provide these services
- Inclusions: services of determining eligibility, delivering or distributing assistance payments for the following types of programs - social assistance programs (e.g. non-contributory welfare, poverty or other needs-based compensation), social insurance programs (e.g. contributory accident or unemployment insurance), and disability and related pension schemes (e.g. income replacement)*
- Exclusions: Health services (e575), such as programs for which eligibility is determined exclusively by reference to special needs arising from a health condition or disability*
- e5700 Social assistance programs**
- e5701 Social insurance programs**
- e5702 Disability and related pension programs**
- e5708 Other specified social security services**
- e5709 Unspecified social security services**

- e575 Health services**  
 services and programs at a local, community, regional, state or national level, aimed at delivering interventions to individuals for their physical, psychological and social well-being, including those who provide these services
- Inclusions: health promotion and disease prevention services, primary care services, acute care, rehabilitation and long term care services; services that are publicly or privately funded, delivered on a short-term, long-term, periodic or one time basis, in a variety of service settings such as community, home-based, school, work, general hospitals, speciality hospitals, clinics, residential care facilities*
- Exclusion: Health systems and policies (e670)*
- e5750 Health promotion, injury and disease prevention**
- e5751 Emergency and acute care health services**
- e5752 Rehabilitation services**
- e5753 Long term services and support**
- e5758 Other specified health services**
- e5759 Unspecified health services**
- e580 Education and training services**  
 services and programs concerned with education and the acquisition, maintenance and improvement of knowledge, expertise and vocational or artistic skills, including those who provide these services
- Inclusions: services provided for different levels of education -- pre-school, primary school, secondary school, post-secondary institutions, professional programs, training and skills programs, apprenticeships, continuing education*
- Exclusion: Education and training systems and policies (e675)*
- e5800 Pre-school services**
- e5801 Primary school services**
- e5802 Secondary school services**
- e5803 Post-secondary institutional services**
- e5804 Professional educational programs**
- e5805 Training/skills programs**
- e5806 Apprenticeship programs**
- e5807 Continuing education programs**
- e5808 Other specified education and training services**
- e5809 Unspecified education and training services**

- e585      Labour and employment services**  
services and programs provided by local, regional or national governments, or private organizations to find suitable work for persons who are unemployed or looking for different work, or to support individuals already employed who are seeking promotion, including those who provide these services
- Inclusions: services of employment search and preparation, reemployment, job placement, outplacement, vocational follow-up, occupational health and safety services, work environment services such as ergonomics, human resources and personnel management, labour relations services, professional association services.*
- Exclusions: Labour and employment systems and policies (e680), such as labour or trade unions, employment creation, labour and employment policies, labour market*
- e5850      Employment search and preparation services**
- e5851      Placement, outplacement and follow-up services**
- e5852      Occupational health and safety services**
- e5853      Labour relations services**
- e5854      Professional association services**
- e5858      Other and specified labour and employment services**
- e5859      Unspecified labour and employment services**
- e598      Other specified services**
- e599      Unspecified services**

## CHAPTER 6 SYSTEMS AND POLICIES

This chapter is about rules, regulations, standards as well as associated administrative control and monitoring mechanisms established by local, regional, national, international government or other recognised authorities, that govern and organise services, programs and other infrastructural activities in various sectors of society.

- e610 Architecture, building and construction systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the planning, design, construction and maintenance of residential, commercial, industrial and public buildings
- Inclusions: building codes, construction standards, fire and life safety standards*
- Exclusion: Architecture, building and construction services (e515)*
- e615 Open spaces planning systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the planning, design, development and maintenance of open space, including rural land, suburban land, urban land, parks conservation areas and wildlife reserves
- Inclusions: local, regional or national planning acts, design codes, heritage or conservation planning policy*
- Exclusion: Open spaces planning services (e520)*
- e620 Housing systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the housing or shelter for people
- Inclusions: legislation and policies for determination of eligibility for housing or shelter, policies concerning government involvement in developing and maintaining housing., and policies concerning how/where housing is developed*
- Exclusion: Housing services (e525).*
- e625 Utilities systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the provision of utilities services
- Inclusions: health and safety standards governing delivery and supply of water and fuel, the sanitation practices in communities and the policies for emergency repair and supply during shortages or natural disasters*
- Exclusion: Utilities services (e530)*
- e630 Communication systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the transmission of information by a variety of methods including telephone, fax, post office, electronic mail and computer based systems
- Inclusions: eligibility for access to communication systems and products based on needs or limitations; the requirements for an individual to have an address or postal box in order to receive mail or other documents such as a compensation cheque.*
- Exclusion: Communication services (e535)*

- e635      Transportation systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the moving of persons or goods by road, paths, rail, air or water
- Inclusions: transportation planning acts and policies, eligibility for operating vehicles, health and safety standards related to use of different types of transportation, policies for the provision and access to public transportation.*
- Exclusions: Health systems and policies (e670); Social security systems and policies (e665, such as for provision and access to vehicles and personal mobility devices.*
- e640      Civil protection systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the safeguarding of people and property
- Inclusions: policies governing provision of police, fire, emergency and ambulance services*
- Exclusion: Civil protection services (e545)*
- e645      Legal systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the administration of justice
- Inclusions: formal rules, such as laws, regulation, customary law, religious law, international laws and convention*
- Exclusions: Legal services (e550); political systems and policies (e685)*
- e650      Associations and organizational systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the relationships and activities of people coming together with common non-commercial interests
- Inclusions: policies and standards that govern the establishment and conduct of associations and organisations such as mutual aid organisations, cultural and religious associations*
- Exclusion: Associations and organizational services (e555)*
- e655      Media systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the provision of news and information to the general public
- Inclusions: policies and standards that govern the content, distribution, dissemination, access to and methods of communicating via radio, television, press reporting services, newspapers and computer based mass communication (web, internet). Other examples include requirements to provide closed captions on television, newspapers or other publications in Braille or tele-text radio transmissions*
- Exclusion: Media services (e560)*
- e660      Economic systems and policies**  
legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the production, distribution, consumption and use of goods and services
- Inclusions: economic doctrine and development*
- Exclusion: Economic services (e565)*

- e665 Social security systems and policies**  
 legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the programs and schemes that provide income support to people who, because of age, poverty, unemployment, health condition or disability require public assistance
- Inclusions: legislation and regulation governing the eligibility for social assistance, welfare, unemployment insurance payments, disability and related pensions and disability benefits*
- Exclusions: Health systems and policies (e679) such as health policies that refer exclusively to special needs arising from a health condition or disability; Social security services (e570)*
- e670 Health systems and policies**  
 legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the range of services provided to individuals for their physical, psychological and social well-being, in a variety of settings including community, home-based, school, work, general hospitals, speciality hospitals, clinics, residential and non-residential care facilities
- Inclusions: policies and standards that determine eligibility for services, compensation for devices, assistive technology or other adaptive equipment, and legislation such as health acts that govern features of a health system such as accessibility, universality, portability, public funding and comprehensiveness*
- Exclusion: Health services (e575)*
- e675 Education and training systems and policies**  
 legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the delivery of education programs
- Inclusions: policies and standards that determine eligibility for public or private education and special needs-based programs; local, regional or national boards of education or other authoritative bodies that govern features of the education systems such as size of classes, numbers of schools in a region, fees and subsidies, special meal programs or after-school care services*
- Exclusion: Education and training services (e580)*
- e680 Labour and employment systems and policies**  
 legislation, regulations and standards, together with associated administrative control and monitoring mechanisms that govern the distribution of occupations and other forms of remunerative work in the economy
- Inclusions: standards and policies for employment creation, employment security, designated and competitive employment, labour standards and law, and trade unions*
- Exclusion: Labour and employment services (e585)*
- e685 Political systems**  
 the structures and related operations that organise political and economic power in a society, such as executive and legislative branches of government, and the constitutional or other legal sources from which they derive their authority
- Inclusions: political organizational doctrine, constitutions, agencies of executive and legislative branches of government, the military*
- Exclusion: Legal systems and policies (e645)*
- e698 Other specified systems and policies**
- e699 Unspecified systems and policies**

**ICIDH-2 BETA-2 DRAFT**

**E. Appendices**



## **Appendix 1:**

### **Summary of the revision process**

#### ***The development of the ICIDH:***

In 1972, a preliminary scheme was developed by WHO concerning the consequences of disease. Within a few months a more comprehensive approach was suggested. These suggestions were made on two important principles: distinctions were made between impairments and their importance, i.e. their functional and social consequences, and these various aspects or axes of the data were classified separately on different fields of digits. In essence, this approach consisted of a number of distinct, albeit parallel, classifications. This contrasted with the traditions of the ICD, wherein multiple axes (etiology, anatomy, pathology, etc.) are integrated in a hierarchical system occupying only a single field of digits. The possibility of assimilating these proposals into a scheme compatible with the principles underlying the structure of the ICD was explored. At the same time, preliminary attempts were made to systematize the terminology applied to disease consequences. These suggestions were circulated informally in 1973, and help was solicited particularly from groups with a special concern in rehabilitation.

Separate classifications for impairments and handicaps were circulated in 1974 and discussions continued. Comments were collated and definitive proposals were developed. These were submitted for consideration by the International Conference for the Ninth Revision of the International Classification of Diseases in October 1975. Having considered the classification, the Conference recommended its publication for trial purposes. In May 1976, the Twenty-ninth World Health Assembly took note of this recommendation and adopted resolution WHA 29.35, in which it approved the publication, for trial purposes, of the supplementary classification of impairments and handicaps as a supplement to, but not as an integral part of, the International Classification of Diseases. Consequently, the first edition of ICIDH was published in 1980. In 1993, it was reprinted with an additional foreword.

#### ***Initial steps in the revision of ICIDH:***

In 1993, it was decided to begin a revision process of the ICIDH. The desiderata for ICIDH-2 are as follows:

- it should serve the multiple purposes required by different countries, sectors and health care disciplines;
- it should be simple enough to be seen by practitioners as a meaningful description of consequences of health conditions;

- it should be useful for practice - i.e. identifying health care needs, tailoring intervention programs (e.g. prevention, rehabilitation, social actions);
  - it should give a coherent view of the processes involved in the consequences of health conditions - so that the disablement process- other dimensions that the diseases/ disorders could objectively be assessed, recorded and responded to;
  - it should be sensitive to cultural variations ( be translatable, be applicable in different cultures and health care systems);
- it should be usable in a complementary way with the WHO family of classifications.

Originally, the French Collaborating Centre was given the task to make a proposal on the Impairments section and on Language, Speech and Sensory aspects. The Dutch Collaborating Centre was to suggest a revision of the Disability and Locomotor Aspects of the Classification and prepare a review of the literature, while the North American Collaborating Centre was to put forward proposals for the Handicap section. In addition, two Task Forces were to present proposals on Mental Health Aspects and Children's issues respectively. Progress was made at the 1996 Geneva meeting, an Alpha Draft was collated incorporating the different proposals and initial pilot testing was conducted. It was decided at that meeting that each Collaborating Centre and Task Force would now be concerned with the draft as a whole and no longer with their former individual areas for revision. From May 1996 to February 1997, the Alpha draft was circulated among Collaborating Centers and Task Forces and comments and suggestions were collated at the WHO Headquarters. A set of Basic Questions, containing the main issues related to the revision was also circulated in order to facilitate the collection of comments.

#### Revision Topics:

- The three level classification i.e. Impairment, Disability, Handicap has been useful and should remain. The inclusion of contextual/ environmental factors is to be considered although most proposals remain at the stage of theoretical development and empirical testing.
- Interrelations between I /D/ H and adequate relationship between them was an issue of discussion. Many criticisms had pointed to the causal model underlying the ICIDH-1980 version, the lack of change over time and the unidirectional flow from impairment to disability to handicap. The revision process has suggested alternative graphic representations.
- ICIDH-1980 is difficult to use. Simplification for use was deemed necessary: the revision should tend towards simplification rather than towards the addition of detail.

- Contextual (External - environmental factors/ internal-personal factors): These factors which are major components of the handicap process should be developed as additional schemes within the ICIDH. However, since social and physical factors in the environment and their relationship to Impairment, Disability and Handicap are strongly culture-bound, they should not be a separate dimension within the ICIDH. Nevertheless classifications of environmental factors may prove useful in the analysis of national situations and in the development of solutions at the national level.
- Impairments should reflect the advances in basic biological mechanisms.
- Cultural applicability and universality will be a major aim.
- Development of training and presentation materials is also a major aim of the revision process.

### ***Beta-1 draft of ICIDH-2:***

In March 1997, a Beta draft was produced which integrated the suggestions collected over the earlier years. This draft was presented to the Revision meeting in April 1997 and after integration of the meeting decisions the ICIDH Beta-1 Draft was issued for field trials in June 1997.

### ***Field trials of ICIDH-2, Beta-1 Draft :***

The field trials of the Beta-1 draft were conducted from June 1997 to December 1998.

The field tests elicited the widest participation from WHO member states, and across different disciplines, sectors such as health insurance, social security, labor, education, and other groups which are engaged in the exercise of classifying health conditions (International Classification of Diseases, Nurses' Classification, International Standard Classification of Education- ISCED). The aim was to reach a consensus, by clear definitions that are operational. The field trials constituted a continuous process of development, consultation, feedback, updating and testing.

Following studies were conducted as a part of the Beta-1 field trials.

- Translation and linguistic evaluation
- Item evaluation
- Responses to basic question by consensus conferences and individuals
- Feedback from organisations and individuals

- Options testing
- Others (e.g. focus group studies)

The testing focused on cross-cultural and multisectorial issues.

***Beta-2 Draft of ICIDH-2:***

Based on all the data and other feedback collected as a part of the Beta-1 field trials, the Beta-2 draft was written between January and April 1999. During this period, comprehensive consultations were conducted with the Collaborating Centres and other sites and experts by way of meetings, joint drafting sessions, video and phone conferences. The resulting draft was presented and discussed in the Annual Meeting of ICIDH in London in April 1999. Based on the discussions during this meeting, some further changes were made to the draft and the result is the Beta-2 version of the ICIDH-2.

***Field trials of ICIDH-2, Beta-2 Draft :***

A comprehensive set of field trial studies is being planned as field trials for the Beta-2 draft. If you wish to take part in these studies, please get in touch with WHO at the following address.

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## Appendix 2

### New features introduced in the ICIDH-2 Beta-2 Draft

As a result of field trials and consultation during the revision process the following new features have been introduced in ICIDH-2.

- (1) All concepts in ICIDH-2 (i.e. the three dimensions of disability and the environment component) are operationally defined. That is, an attempt is made to define their basic attributes, boundaries and measurement characteristics in a logically consistent and empirical manner. In this way the overall classification and the underlying model can be better understood and used.
- (2) All categories within the dimensions are defined. Operational definitions for a research version that can be used as a basis for self-evaluation or assessment strategy are being developed.
- (3) Dimensions have been designated by neutral terms, and both positive and negative aspects of each dimension have been addressed.
- (4) The Body dimension has been separated into two: function and structure. In this way both can be coded independently.
- (5) The term “Disabilities” used in the ICIDH 1980 version has been replaced by the Activities dimension. This dimension is based solely on performance of tasks and actions by the individual. Hence, the unfruitful debates over “can do” “does do” or “might do” have been resolved.
- (6) “Handicap” has been reformulated as “Participation”. This has introduced a positive connotation and conception of the dimension.
- (7) Participation dimension has been classified according to domains of major life situations, rather than in summary form as was the case with “Handicap” of the previous classification. This approach allows better identification of restrictions in different domains, and it is hoped that this will pave the way for practical solutions to achieve better participation of people with disability.
- (8) Contextual factors are included for field trial purposes. Environmental factors have been classified while personal factors are left to the users. The inclusion of environmental factors represents a major novelty allowing for possible interventions in the environmental domains that can lead to better participation of people with disability.
- (9) ICIDH-2 is being created in a transcultural way in a number of languages in order to develop the best international terminology. For this purpose various language versions are being tested concurrently for cultural applicability and standardization of concepts.



## Appendix 3

### Taxonomic and terminological issues

The ICIDH-2 classification has been organized in a hierarchical scheme keeping in mind the standard taxonomic principles. The three dimensions, Body Functions and Structure, Activities and Participation and the Environment component have been classified independently from each other. Hence, a term included under one of these is not repeated under another. Within each dimension or component, the categories have been created in a stem-branch-leaf scheme, so that a fourth-level category shares the attributes of the higher level categories of which it is a member. Categories are intended to be mutually exclusive, i.e. no two categories at the same level share exactly the same attributes. However, this should not be confused with the use of more than one category to classify disabilities in a particular individual. Such a practice allowed, indeed encouraged, where necessary.

#### Terms for categories in ICIDH-2

Terms are the designation of defined concepts in linguistic expressions, such as words or phrases. Most of the terms over which confusion arises are used with common-sense meanings in everyday speech and writing. For example, impairment, disability and handicap are often used interchangeably in everyday contexts, although in the 1980 version of ICIDH these terms had stipulated definitions, which gave them a defined meaning. During the revision process, “handicap” has been abandoned and “disability” used as an umbrella for all three dimensions. But the point remains that clarity and precision are needed so that the chosen terms express each basic concept. ICIDH-2 is a written classification and will be translated into many other languages. Agreeing on the term that reflects the content is another problem. There may be many alternatives. The acid test for the terminology is whether it offers practical benefits. It is hoped that the usefulness of ICIDH-2 will go in parallel with its clarity.

With this aim in mind, notes on some of the terms used in ICIDH-2 follow:

***Health Condition:*** A health condition is an alteration or attribute of the health status of an individual that may lead to distress, interference with daily activities, or contact with health services; it may be a disease (acute or chronic), disorder, injury or trauma, or reflect other health-related states such as pregnancy, aging, stress, congenital anomaly, or genetic predisposition.

***Impairment:*** An impairment indicates a loss or abnormality of a body part (i.e. structure) or body function (i.e. physiological function). The physiological functions include mental functions. Abnormality here is used strictly to refer to a significant variation from established statistical norms (i.e. as a deviation from

a population mean within measured standard norms) and should be used only in this sense.

**Activity:** In ICIDH-2 the term “activity” is used in the broadest sense to capture everything that an individual does, at any level of complexity from simple activities to complex skills and behaviours. Activities include simple or basic physical functions of the individual as a whole (grasping, moving a leg or seeing), basic and complex mental functions (remembering past events or acquiring knowledge), and collections of physical and mental activities at various levels of complexity (driving a car, personal social skills, interacting with individuals in formal settings).

**Activity limitation:** This term (replacing “disability” in ICIDH 1980) refers to difficulty in the performance, accomplishment or completion of an activity at the level of the individual. Difficulty encompasses all of the ways in which the doing of the activity may be affected: doing an activity with pain or discomfort; doing it too slowly or quickly or not at the right time and place; or doing it awkwardly or otherwise not in the manner expected. An activity limitation may range from a slight to severe deviation in terms of quality or quantity in doing the activity in a manner or to the extent that is expected.

**Disability:** The root of “disability” is “ability”, which usually connotes an aptitude or skill. However, the A classification, which formerly referred to disabilities, is a classification, not of abilities, but of “activities” as these are performed by individuals in their life. For that reason it was thought more appropriate to use the term “activity limitation” rather than “disability”. It was felt, however that the term “disability”, which is entrenched in social policy statements, laws and other important areas around the world, should continue to be used. Therefore, the term is now used as the umbrella term for all dimensions – impairments, activity limitations and participation restrictions (replacing “disablement” in an earlier draft which was criticized for being untranslatable).

**Participation:** Participation is the interaction of impairments, disabilities and contextual factors- that is, features of the social and physical environment, and personal factors. Participation refers to all areas or aspects of human life, including full experience of being involved in a practice, custom, or social behaviour. Domains of participation – personal maintenance, mobility, exchange of information, social relationships, home life and assistance to others, education, work and employment, economic life and civil and community life – are “social” in the sense that the character of these complex experiences is shaped by society and the social environment.

**Participation Restriction:** A participation restriction is a disadvantage, for an individual with an impairment or activity limitation, that is created, or

worsened, by features of the contextual factors, that is environmental factors and personal factors. The disadvantage may be take many forms: the creation of additional disability (e.g. a mental impairment such as pain, anguish or mental illness, or a mental or physical disability), or some diminishing of the degree or extent of participation that is expected of an individual without disability in that culture or society.

**Contextual Factors:** In general, these are the factors that together constitute the complete context of an individual's life, and in particular the background against which health conditions, and their consequences with respect to functioning and disability, are classified in ICIDH-2. There are two categories of contextual factors. The first is **Environmental Factors**, which constitute a component classification of ICIDH-2, and which refer to all aspects of the external or extrinsic world that forms the context of an individual's life. Environmental factors include the physical world and its features, the human-made physical world, other people in different relationships and roles, attitudes and values, social systems and services, and policies, rules and laws. The second is **Personal Factors** – intrinsic contextual factors such as age, gender, social status, life experiences and so on – which are not currently classified in ICIDH-2 but which users may incorporate in their applications of ICIDH-2.

### Definitions for ICIDH-2 categories

Definitions are statements that set out the essential attributes (i.e. qualities, properties or relationships) that constitute the concept or thing designated by the category. A definition informs us which sort of thing or phenomena the term denotes, and operationally, how it differs from other related things or phenomena.

During the construction of the definitions of the ICIDH-2 categories, the following ideal characteristics of operational definitions, including inclusions and exclusions, were kept in mind:

- Definitions should be meaningful and be logically consistent.
- They must uniquely identify the concept intended by the category.
- They must present essential attributes of the concept – both intensional (what the concept signifies intrinsically) and extensional (what objects or phenomena it refers to).
- They should be precise, unambiguous and cover the full meaning of the term.
- They should be expressed in operational terms (e.g. in terms of severity, duration, relative importance, and possible associations).

- They should avoid circularity, i.e. the term itself or any synonym for it, should not appear in the definition, nor should it include a term defined elsewhere using the first in its definition.
- Where appropriate, they should refer to possible etiological or interactive factors.
- They must fit the attributes of the higher ranking terms (e.g. a third level term should include the general characteristics of second level category to which it belongs).
- They must be consistent with the attributes of the subordinate terms (e.g. the attributes of a 2<sup>nd</sup> level term cannot contradict those of 3<sup>rd</sup> level terms under it).
- They must not be figurative or metaphorical, but operational.
- They should make empirical statements that are observable, testable or inferable by indirect means.
- They should be expressed in neutral terms as far as possible without undue negative connotation.
- They should be short and avoid non-technical terms, where possible (the exception is some Body Functions and Structure terms).
- They should have inclusions that provide synonyms and examples covering cultural variation and differences across the life span.
- They should have exclusions to alert users to possible confusion with related terms.

## Appendix 4

### ICIDH-2 and people with disabilities

The ICIDH-2 revision process has, since its inception, benefited from the input of people with disabilities and disability organizations. Disabled Peoples' International has, in particular, contributed its time and energies to the process of revision and the Beta-2 Draft reflects its input.

WHO recognizes the importance of the full participation of persons with disabilities and their organizations in the revision of a classification of functioning and disability. As a classification, ICIDH-2 will serve as the basis for both the assessment and measurement of disabilities in many scientific, clinical, administrative and social evaluation contexts. As such, it is a matter of concern that ICIDH-2 not be misused in ways that are detrimental to the interests of persons with disabilities.

In particular, WHO recognizes that the very terms that are used in the classification can, despite the best efforts of all, be stigmatizing and labelling. The decision was made early in the process to drop the term "handicap" entirely – owing to its pejorative connotations in English – and not to use the term "disability" as the name of the second dimension, but to keep it as the overall, umbrella term.

There remains, however, the difficult question of how best to refer to individuals who experience some degree of functional limitation or restriction. As this revision has adopted, in the context of health, disability is a multidimensional phenomenon resulting from the interaction between people and the environment. For a variety of reasons, some prefer to use the term 'people with disabilities' and others prefer 'disabled people'. In the light of this divergence, there is no universal practice that WHO can adopt. It is, therefore, not appropriate for ICIDH-2 to express a position on how people should be referred to, subject to the principle that people have the right to be called what they choose.

Nevertheless, users must be reminded that ICIDH-2 is not a classification of persons at all. It is a classification of people's health characteristics within the context of their individual life situations and environmental impacts. It is the interaction of the health characteristics and the contextual factors which produces disability. In short, it is important that individuals not be reduced to, or characterized solely in terms of their impairments, activity limitations or participation restrictions. For example, instead of referring to a "mentally handicapped person", the classification uses the phrase "person with a learning activity limitation".

To further address the legitimate concern of systematic labelling of people, the categories in ICIDH-2 are expressed in a neutral way to avoid depreciation, stigmatization and inappropriate connotations. However, this approach brings with it the problem of what may be called the “sanitation of terms”. The negative attributes of one’s health condition and how other people react to it are independent of the terms used to define the condition. Whatever disability is called, it will exist irrespective of labels. The problem is not only an issue of language but also, and mainly, an issue of the attitudes of other individuals and society towards disability. What is needed is correct content and usage of terms and classification.

WHO is committed to continuing efforts to ensure that persons with disabilities are empowered by classification and assessment, and not disempowered or discriminated against.

## Appendix 5

### Case examples

#### **Impairment leading to no activity limitation and no participation problem:**

A child is born with a fingernail missing. This malformation is an impairment of structure, but does not interfere with the function of the child's hand or in the activities that the child performs with that hand, so there is no activity limitation. Similarly, there may be no participation restriction -- such as playing with other children without being teased or excluded from play because of this malformation.

#### **Impairment leading to no activity limitation but to participation problem:**

A diabetic child has an impairment of function; the pancreas does not function adequately to produce insulin. Diabetes can be controlled by medication (i.e. insulin). When the body functions (insulin level) are under control, there are no activity limitations associated with the impairment. However, the child with diabetes is likely to experience a problem in participation when, being unable to eat sugar, she or he cannot be involved in eating with friends or peers.

Another example is that of an individual with vitiligo on the face but no other physical complaints. This cosmetic problem produces no activity limitations. However, the individual lives in a setting where attitudes towards vitiligo are such that it is mistaken for leprosy and considered contagious. This leads to significant restrictions in participation in social relations.

#### **Impairment leading to activity limitations and - depending on circumstance – to problems or no problems in participation:**

A significant variation in intellectual development is a mental impairment. This may lead to some limitation in the individual's various activities. Environmental Factors may affect the extent of the individual's participation in different life domains. For example, a child with this mental impairment might experience little disadvantage in a controlled environment with an array of simple but necessary tasks to be accomplished. A similar child growing up in an environment of competition and high scholastic expectation might experience restriction in participation in various sophisticated social situations.

#### **Former impairment leading to no activity limitations but still causing problems in participation:**

An individual who has recovered from an acute psychotic episode, but who bears the stigma of having been a "mental patient", may be denied employment or social acceptance.

**Different impairments and activity limitations leading to similar participation problems:**

A problem in participation in the life domain of employment may exist when an individual may not be hired for a job because the extent of that individual's impairment of quadriplegia precludes performing some job requirements. Another individual with less severe quadriplegia who can perform necessary job tasks may not be hired because the quota for hiring people with disabilities has been filled. An individual who is capable of performing the required job activities may not be hired because he or she has a disability that is alleviated through use of a wheelchair but no job sites permit entry for wheelchairs. Another individual using a wheelchair may be hired for the job, and be able to conduct the job tasks, but may be restricted in participation in aspects of employment, such as relating to co-workers, because access to work-related rest areas is not available. This restriction in social networking at the place of employment may prevent access to job advancement opportunities.

**Suspected impairment leading to marked restrictions in participation without activity limitations:**

An individual has been working with patients who have AIDS. This individual is otherwise healthy but has to undergo periodic testing for HIV. The individual experiences no activity limitations. But people who know this individual socially suspect he may have acquired the virus and therefore avoid him. This leads to prominent restrictions in social participation.

**Impairments currently not classified in ICIDH-2 leading to restrictions in participation:**

An individual has a mother who died of breast cancer. She is 45 years old and was voluntarily screened recently and found to carry the genetic code that puts her at risk for breast cancer. She has no problems in body function or structure, or limitation in activities, but has been denied health insurance by her company because of her increased risk for breast cancer.

**Additional Examples**

A 10-year-old boy is referred to a speech therapist with the referral diagnosis "stuttering". During the examination problems are found in discontinuities in speech, inter- and intra-verbal accelerations, problems in timing of speech movements and inadequate speech rhythm (impairments). There are problems at school with reading aloud and with initiating a conversation (activity limitations). During group discussions he does not take any initiative to participate in the discussions (participation restriction).

A 40-year-old female with a whiplash injury four months earlier complains about pain in the neck, severe headache, dizziness, reduced muscle power and anxiety (impairments). She often has problems in walking, cooking, cleaning,

handling a computer and riding a car. In consultation with her physician it was decided to wait till the problems are reduced before she can return to her old job (participation restriction).

A 70-year-old man with a tennis elbow is referred to a physical therapist. The patient mainly complains about the fact that he cannot take part in his favourite hobby, while competition is still going on (participation restriction). There is pain in the lower arm, a reduced grip strength and hypoaesthesia of the hand (impairments). It is almost impossible to play backhand (activity restriction); other activities are possible although some of them are painful.



## Appendix 6

### Future directions

Use of ICIDH has not been fully endorsed by a resolution or agreement among WHO Member States. Even in the case of ICD-10, whose use has been endorsed by the World Health Assembly, only a third of the Member States duly report to WHO. Hence the introduction of unified methods across regions of the world depends largely on Member States' individual decisions to use available international tools.

Use of ICIDH-2 will largely depend on its practical utility: the extent to which it can serve as a measure of health service performance through indicators based on consumer outcomes, and the degree to which it is applicable across cultures so that international comparisons can be made to identify needs and resources for planning and research. ICIDH-2 is not directly a political tool. Its use may, however, provide positive input to policy determination by providing information to help establish health policy, promote equal opportunities for all people, and support the fight against discrimination based on disability.

### Versions of ICIDH-2

In view of the differing needs of different types of users, the ICIDH-2 will be presented in multiple formats and versions:

#### Main volume

The three dimensions and the environmental factors in ICIDH-2 are presented in two versions in order to meet the needs of different users for varying levels of detail:

The first version is a *short (concise) version* which gives two levels of categories for each dimension and component. Definitions of these terms, inclusions and exclusions are also given.

The second version is a *long (detailed) version* which provides all levels of classification and allows for 9999 categories per dimension and component. However, a much smaller number of them have been used. The long version categories can be aggregated into the short version when summary information is required.

#### Specific adaptations

- (a) Clinical use versions: These versions will depend on the use of ICIDH-2 in different clinical application fields (e.g. occupational therapy). They will be based on the main volume for coding and

terminology; however, they will provide further detailed information such as guidelines for assessment and clinical descriptions. They can also be rearranged for specific disciplines (e.g. rehabilitation, mental health).

- (b) Research versions: Similar to the clinical versions, these versions will respond to specific research needs and will provide precise and operational definitions to assess conditions.

Given the multitude of uses and needs for ICIDH-2, it is important to note that WHO and its collaborating centres are conducting additional work to meet those needs.

ICIDH-2 is owned by all its users. It is the only such tool accepted on an international basis. It aims to obtain better information on disability phenomena and functioning and reach a broad international consensus. To achieve recognition of ICIDH-2 by various national and international communities, WHO will take every effort to make it user-friendly and compatible with standardization processes such as those laid down by the International Organization for Standardization (ISO).

The possible future directions for development and application of ICIDH-2 can be summarized as follows:

- Promoting use of ICIDH-2 at country level for the development of national databases;
- Establishing an international data set and a framework to permit international comparisons;
- Identification of algorithms for eligibility for social benefits and pensions ;
- Study of disability and functioning of family members (e.g. a study of third-party disability due to the health condition of significant others);
- Development of personal factors;
- Development of precise operational definitions of categories for research purposes;
- Development of assessment instruments for identification and measurement<sup>1</sup>

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<sup>1</sup> Assessment instruments linked to ICIDH-2 are being developed by WHO with a view to applicability in different cultures. They are being tested for reliability and validity. Assessment instruments will take three forms: a brief version for screening/case-finding purposes; a version for daily use by caregivers; and a long version for detailed research purposes. They will be available from WHO.

- Providing practical applications by means of computerization and case-recording forms;
- Establishing links with quality of life concepts and the measurement of subjective well-being<sup>2</sup>;
- Research into treatment or intervention matching;
- Promoting use in scientific studies for comparison between different health conditions;
- Development of training materials on the use of ICIDH-2;
- Creation of ICIDH-2 training and reference centres worldwide.

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<sup>2</sup> Links with quality of life: It is important that there is conceptual compatibility between “quality of life” and disablement constructs. Quality of life, however, deals with what people “feel” about their health condition or its consequences; hence it is a construct of “subjective well-being”. On the other hand, disease/disability constructs refer to objective and exteriorized signs in the individual.



## Appendix 7

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