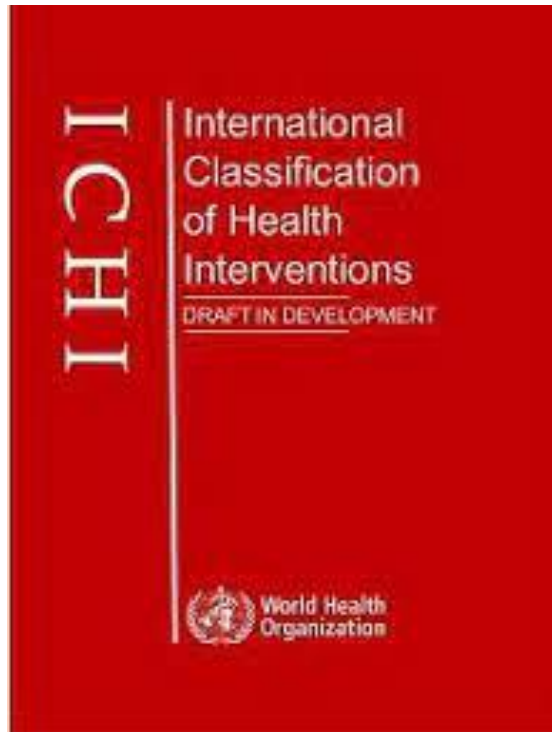




بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

International Classification of Health Interventions

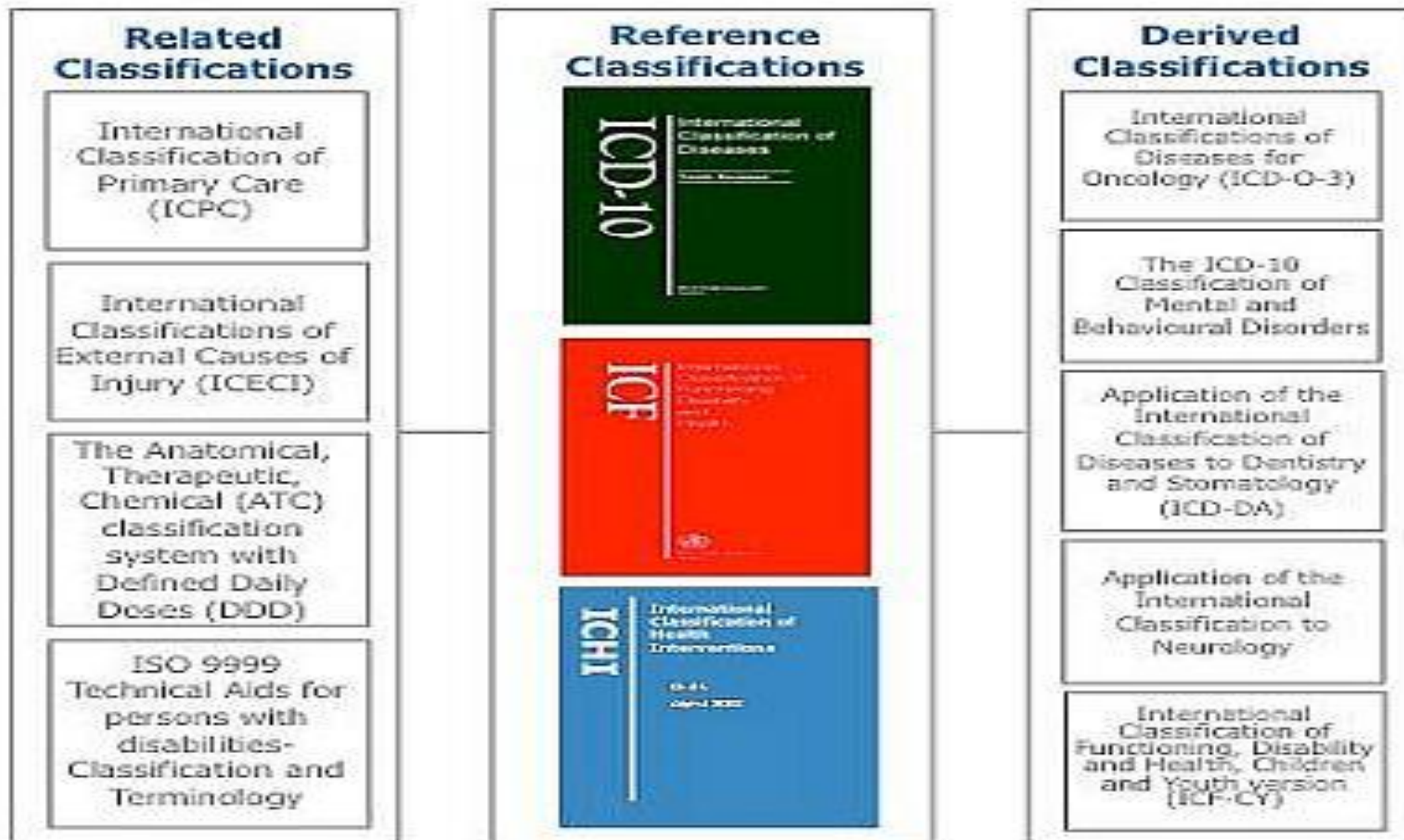


Mahdie Shojaei

Kerman University of Medical Sciences

Outline

1. WHO Classifications
2. ICHI History
3. ICHI Aim and Usages
4. ICHI Structure and Content
5. Examples

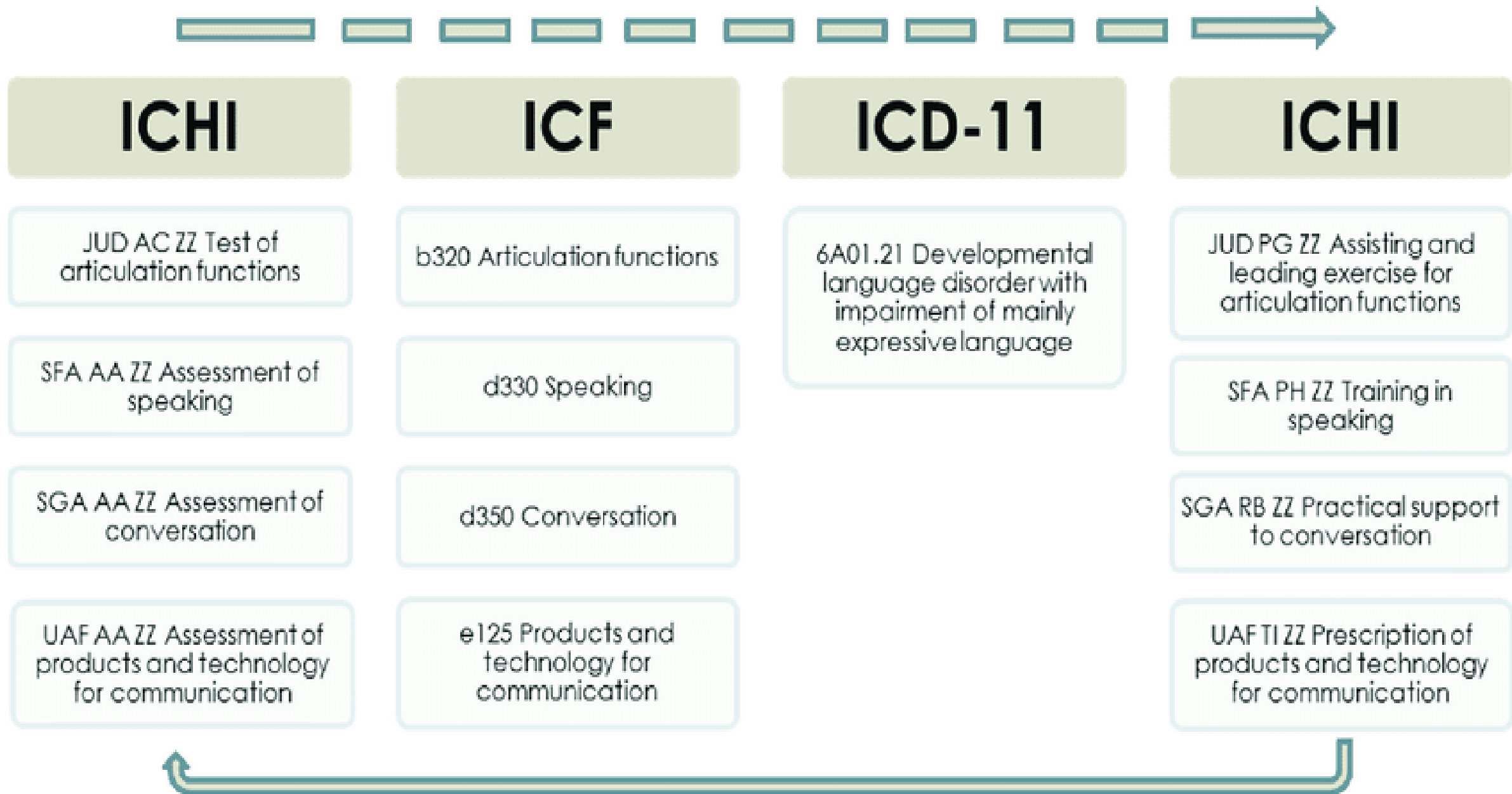


WHO-FIC Network Areas of Work

- ✓ Global collaboration in support of maintenance and development of WHO-FIC and promoting the implementation of WHO-FIC in WHO Member States.

WHO-FIC Network Areas of Work

- ✓ ICD-11
- ✓ Functioning and Disability
- ✓ Interventions
- ✓ Morbidity
- ✓ Mortality
- ✓ WHO-FIC Development
- ✓ WHO-FIC Education
- ✓ WHO-FIC Implementation
- ✓ WHO-FIC Informatics
- ✓ Primary Care
- ✓ WHO-FIC links to Clinical Terminologies





History

**International Classification of
Procedures in Medicine (ICPM)**

**International Classification of
Health Interventions (ICHI)**

ICD-10-AM/ACHI/ACS

- International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification (**ICD-10-AM**)
- Australian Classification of Health Interventions (**ACHI**)
- Australian Coding Standards (**ACS**)

International Classification of Health Interventions

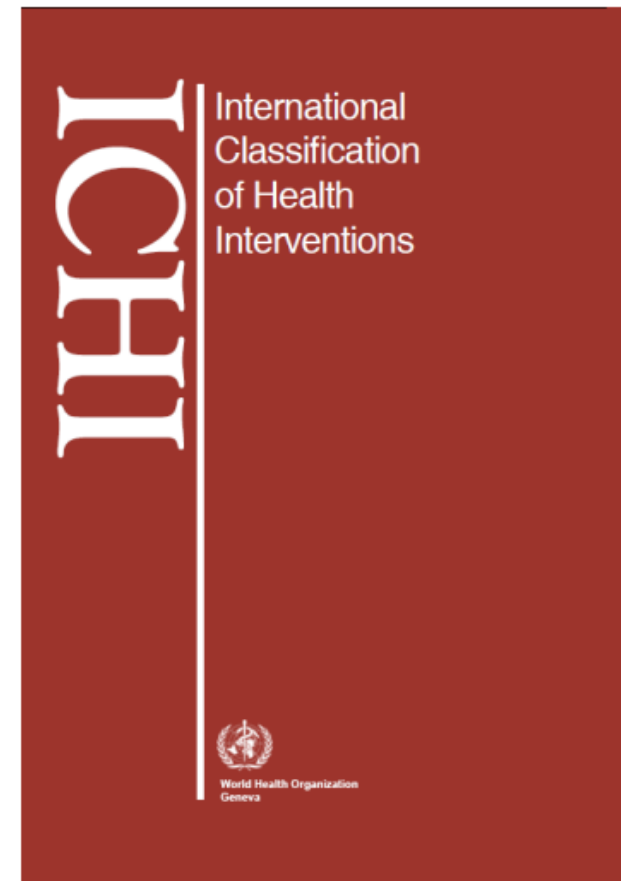


ICHI towards finalization: WHO timetable

- Active users to contribute to ICHI Reference Group
- June 2020 clinical component finalized for implementation (started)
- End November 2021 Functioning review
- February 2022 Public health interventions
- March 2022 final editing
- April 2022 member state consultation
- July 2022 address input from member states
- Final edits August 2022
- Implementation preparation version in August 2022

Completing ICHI

- ICHI Phase 2 tests
 - June – July 2019
- Pre Final Version Development
 - June – October 2019
- Release for implementation
 - October 2019 – June 2020



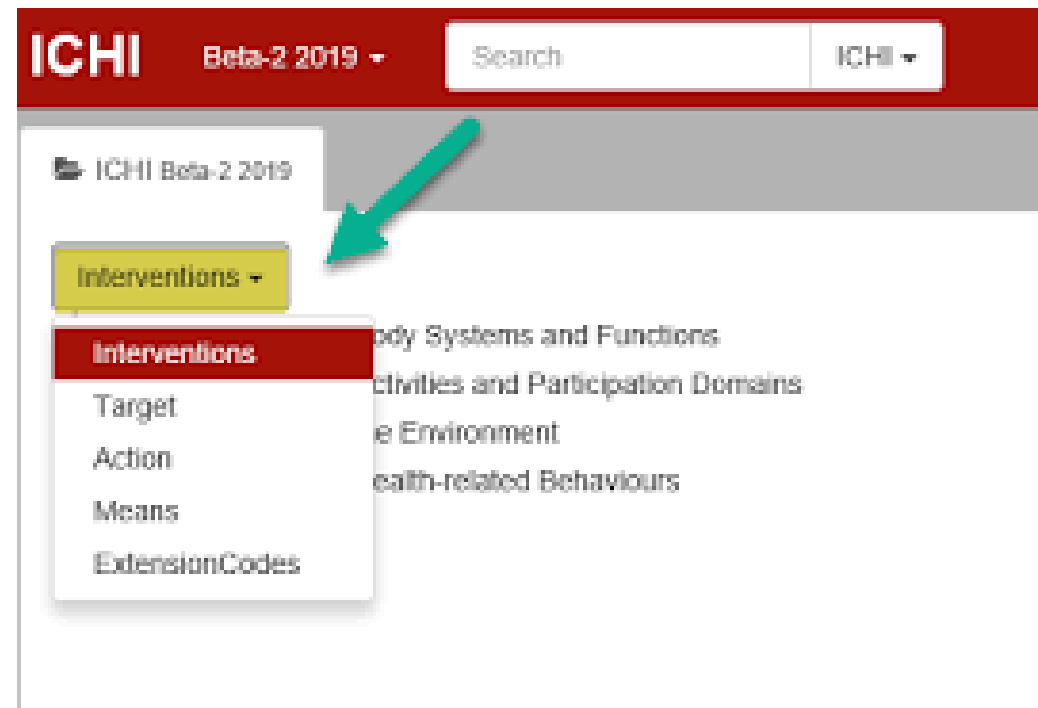
Mission

Improve health through the ongoing development, maintenance, and promotion of an integrated suite of **reference health classifications** and related products that produce information of **value and utility** across the world.

- ICHI defines a **health intervention** as:

“an act performed for, with or on behalf of a person or population whose purpose is to assess, improve, maintain, promote or modify health, functioning or health conditions” .

ICHI Aim and Usages



What is ICHI code?

The ICHI is a system of classifying **procedure codes being developed by the WHO**. It is currently only available as a **beta release** for additional coding work.



Clinical Objectives



Statistical Objectives



Use cases for ICHI

National uses:

1. Countries with no classification of health interventions
2. Countries that have used ICD 9 CM Vol 3
3. Countries wishing to align national classification with ICHI
4. Adding components of ICHI to national classifications

Use cases for ICHI

International comparisons:

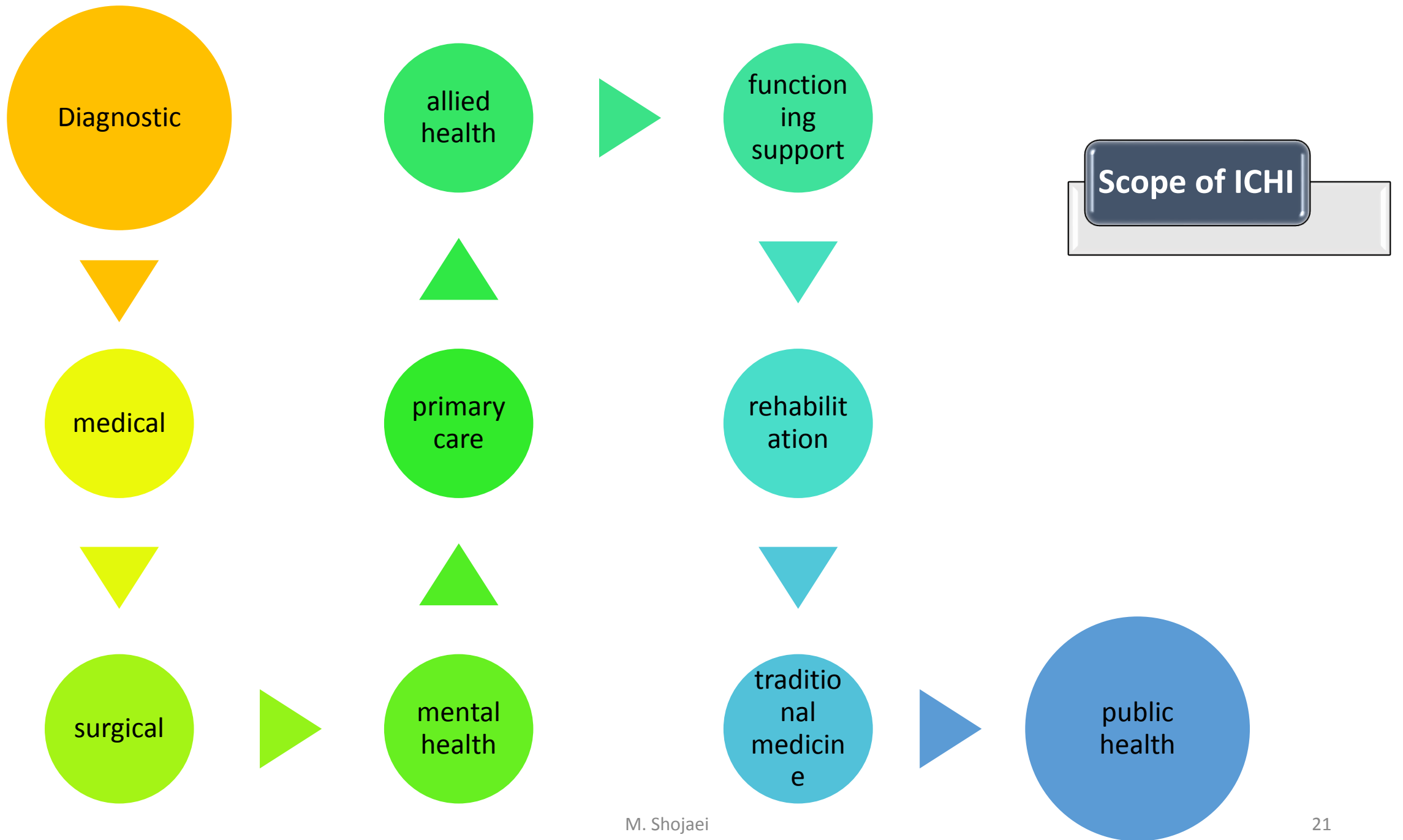
Sustainable Development Goals

Universal Health Coverage

Patient safety and quality

Health System Performance (including Financing)

Public health: coding, planning, communication



ICHI does not include

- Reason(s) for the intervention (use ICD or ICF)
- Provider of the intervention
- Setting of the intervention
- Workload measure
- Outcome of the intervention (ICD or ICF)

ICHI Beta-3

<https://mitel.dimi.uniud.it/ichi/>.

Interventions ▾

- 1 - Interventions on Body Systems and Functions
- 2 - Interventions on Activities and Participation Domains
- 3 - Interventions on the Environment
- 4 - Interventions on Health-related Behaviours

ICHI Beta-3

Welcome to the browser for the International Classification of Health Interventions Beta-3.

You can browse the ICHI proposed content here.

Here you can find further information:

 [ICHI Beta-3 Reference Guide](#)

 [ICHI Platform User Guide](#)

CAVEATS

Finalisation of ICHI is planned by the end of 2020

ICHI Beta-3 is:

- updated on regular basis
- not yet approved by WHO

Comments are encouraged and may be made on the Platform.

Until finalised, ICHI is not to be used for coding.

ICHI Beta-3

<https://icd.who.int/dev11/l-ichi/en>

ICHI Platform User Guide

<https://mitel.dimi.uniud.it/ichi/docs/>

Create an account

Your name

First Last


Your email address (will be verified)

Email

Your organization or affiliation

Organization or affiliation

Are you a robot?

I'm not a robot  reCAPTCHA
[Privacy](#) - [Terms](#)

ICHH Structure

- Multiaxial Classification
- more than 7,000 interventions
- Seven-character Code
- “Stem Code”

- 27 chapters
- four sections (Body Systems and Functions, Activities and Participation Domains, Environment, Health-related Behaviors)

1. Interventions on Body Systems and Functions

Chapter 1 - 12 arranged by Body system; each includes interventions on Body functions

2. Interventions on Activities and Participation Domains

Chapter 13 - 21 arranged by ICF Activity & Participation chapters

3. Interventions on the Environment

Chapter 22 - 26 arranged by ICF environment factors

4. Interventions on Health-related Behaviour

Chapter 27

Note: Public health interventions generally have Targets in chapter 22-27

Chapters	Interventions on
1- 12	Interventions on Body Systems and Functions
13- 21	Interventions on Activities and Participation Domains
22- 26	Interventions on the Environment
27	Interventions on Health-related Behaviours

Interventions on Body Systems and Functions

- 01 - Interventions on the Nervous System and Mental Functions
- 02 - Interventions on the Visual System
- 03 - Interventions on the Ear and Mastoid
- 04 - Interventions on the Haematopoietic and Lymphatic System
- 05 - Interventions on the Endocrine System
- 06 - Interventions on the Circulatory System
- 07 - Interventions on the Respiratory System and Voice and Speech
- 08 - Interventions on the Digestive System
- 09 - Interventions on the Integumentary System
- 10 - Interventions on the Musculoskeletal System
- 11 - Interventions on the Genitourinary System
- 12 - Interventions on Other and Unspecified Body Systems and Functions

Interventions on Activities and Participation Domains

- 13 - Interventions on Learning and applying knowledge
- 14 - Interventions on General tasks and demands
- 15 - Interventions on Communication
- 16 - Interventions on Mobility
- 17 - Interventions on Self care
- 18 - Interventions on Domestic life
- 19 - Interventions on Interpersonal interactions and relationships
- 20 - Interventions on Major life areas
- 21 - Interventions on Community, social and civic life

Interventions on the Environment

22 - Interventions on the Environment: Products and technology

23 - Interventions on the Natural Environment including human changes

24 - Interventions on the Environment: Support and relationships

25 - Interventions on the Environment: Attitudes

26 - Interventions on the Environment: Services, Systems, Policies

Interventions on Health-related Behaviours

27 - Interventions on Health-related Behaviours

Spelling

Throughout ICHI **British** spelling is used.

- NEC (Not elsewhere classified)
- NOS (Not otherwise specified)

ICHI Beta-3

- ABA.JG.AA - Debridement of spinal cord
- ABA.JI.AA - Local excision of lesion of spinal cord**
- ABA.MK.AA - Repair of spinal cord
- ABA.ML.AA - Reconstruction of spinal cord
- ABC.AD.AA - Biopsy of spinal meninges
- ABC.GA.AA - Destruction of spinal meninges
- ABC.JB.AA - Drainage of spinal meninges
- ABC.JG.AA - Debridement of spinal meninges
- ABC.JI.AA - Local excision of lesion of spinal meninges
- ABC.JJ.AA - Partial excision of spinal meninges
- ABC.MK.AA - Repair of spinal meninges
- ABG.AE.AA - Exploration of spinal canal
- ABG.AH.AE - Lumbar puncture
- ABG.BA.BB - Contrast myelogram of spinal canal
- ABG.BA.BH - Magnetic resonance imaging of spinal canal
- ABG.DB.AE - Injection into spinal canal
- ABG.DL.AE - Percutaneous insertion of device into spinal canal
- ABG.DN.AE - Percutaneous implantation of device into spinal canal
- ABG.FC.AA - Release of spinal canal
- ABG.GA.AE - Injection of destructive agent into spinal canal
- ABG.JB.AE - Drainage of spinal canal
- ABG.JD.AA - Removal of foreign body from spinal canal
- ABG.JD.AE - Percutaneous removal of foreign body from spinal canal
- ABG.JD.AH - Removal of device (external) from spinal canal
- ABG.JI.AA - Local excision of lesion of spinal canal
- ABG.KA.AE - Replacement of spinal canal device

ABA.JI.AA ICHI

Comments

<http://id.who.int/ichi/entity/1860768565>

ICHI code	ABA.JI.AA
Target	ABA - Spinal cord
Action	J1 - Excision, local
Means	AA - Open approach
ICHI descriptor	Local excision of lesion of spinal cord
Definition	
Index Terms	Excision of tissue of spinal cord NOS
Includes Notes	
Code also	
Excludes Notes	

ICHI Beta-3

-LZZ.JG.AH - Debridement of skin and subcutaneous cell tissue, not elsewhere
-LZZ.JH.AA - Procurement of skin and subcutaneous tissue for graft or flap, site
-LZZ.JI.AA - Local excision of lesion of skin and subcutaneous cell tissue, site n
-LZZ.JJ.AA - Partial excision of lesion or tissue of skin and subcutaneous cell tis
-LZZ.JK.AA - Total excision of lesion or tissue of skin and subcutaneous cell tiss
-LZZ.JL.AA - Radical excision of skin lesion, site not specified
-LZZ.KD.AA - Hair transplant
-LZZ.LA.AA - Ligation of dermal appendage, site not specified
-LZZ.LC.AA - Fixation of skin and subcutaneous cell tissue, site not specified
-LZZ.LK.AA - Augmentation of skin and subcutaneous cell tissue, site not specifi
-LZZ.LL.AA - Size reduction plastic operation, site not specified
-**LZZ.LL.AE - Liposuction, not elsewhere classified**
-LZZ.MK.AA - Repair of skin and subcutaneous cell tissue, site not specified
-LZZ.ML.AA - Reconstruction of skin and subcutaneous cell tissue, site unspeci
-LZZ.PM.ZZ - Education about skin and subcutaneous cell tissue, not elsewhere
-LZZ.SI.ZZ - Preparation of skin
-LZZ.SN.AE - Management of internal device for skin and subcutaneous tissue,
-LZZ.ZY.ZZ - Other interventions on skin and subcutaneous cell tissue, not else
-LZZ.ZZ.ZZ - Unspecified interventions on integumentary system


- 10 - Interventions on the Musculoskeletal System
- 11 - Interventions on the Genitourinary System
- 12 - Interventions on Other and Unspecified Body Systems and Functions

- 2 - Interventions on Activities and Participation Domains
- 3 - Interventions on the Environment
- 4 - Interventions on Health-related Behaviours

LZZ.LL.AE ICHI

Comments

<http://id.who.int/ichi/entity/433333457>

ICHI code	LZZ.LL.AE
Target	LZZ - Skin and subcutaneous cell tissue, unspecified
Action	LL - Decrease size
Means	AE - Percutaneous
ICHI descriptor	Liposuction, not elsewhere classified
Definition	
Index Terms	Liposuction, NOS Liposuction of fat for graft or banking Liposuction to harvest fat graft, site not specified
Includes Notes	
Code also	
Excludes Notes	

Use of 'And' and 'Or' in code titles

ICHI Beta-3 AXA.DB.AC ICHI Info Sign in

ICHI Beta-3

- AXA.AC.ZZ - Test of pain
- AXA.DB.AC - Oral or enteral medication for pain**
- AXA.DB.AF - Parenteral medication for pain
- AXA.DB.AH - Transdermal medication for pain
- AXA.DB.ZZ - Pharmacotherapy for pain, not elsewhere classified
- AXA.PG.ZZ - Assisting and leading exercise for pain
- AXA.PM.ZZ - Education concerning pain
- AXA.PN.ZZ - Advising about pain
- AXA.PP.ZZ - Counselling for pain
- AXA.PQ.ZZ - Psychotherapy for pain
- AXA.SC.BP - Electrical stimulation for pain
- AXA.SE.ZZ - Hypothermy for pain
- AXA.ZY.ZZ - Other interventions for pain, not elsewhere classified

- AZ - Nervous system, unspecified
- 02 - Interventions on the Visual System
- 03 - Interventions on the Ear and Mastoid
- 04 - Interventions on the Haematopoietic and Lymphatic System
- 05 - Interventions on the Endocrine System
- 06 - Interventions on the Circulatory System
- 07 - Interventions on the Respiratory System and Voice and Speech
- 08 - Interventions on the Digestive System
- 09 - Interventions on the Integumentary System
- 10 - Interventions on the Musculoskeletal System
- 11 - Interventions on the Genitourinary System
- 12 - Interventions on Other and Unspecified Body Systems and Functions
- 2 - Interventions on Activities and Participation Domains

AXA.DB.AC ICHI Comments

<http://id.who.int/ichi/entity/1035567596>

ICHI code	AXA.DB.AC
Target	AXA - Sensation of pain
Action	DB - Application of substance
Means	AC - Per Orifice
ICHI descriptor	Oral or enteral medication for pain
Definition	Administration of medication by oral or enteral route
Index Terms	Sucrose treatment in the newborn
Includes Notes	
Code also	
Excludes Notes	

M. Shojaei 40

() Parentheses

ICH ICHI Beta-3 AS1.PQ.ZZ ICHI Info Sign in

ICH ICHI Beta-3

- AS1.PN.ZZ - Advising about mental functions
- AS1.PQ.ZZ - Psychotherapy for mental functions**
- AS1.RB.ZZ - Practical support with mental functions
- AS1.ZY.ZZ - Other interventions on mental functions
- AS1.RC.ZZ - Emotional support for mental functions
- AS1.PM.ZZ - Education about mental functions
- AS1.PH.ZZ - Training for mental functions
- AS1.AI.ZZ - Monitoring of mental functions
- AS1.AC.ZZ - Test of mental functions
- AS1.AM.ZZ - Observation of mental functions
- AS1.BA.BH - Functional magnetic resonance imaging
- AS1.PG.ZZ - Assisting and leading exercise for mental functions
- AS1.AA.ZZ - Assessment of mental functions
- AT - Global mental functions
- AU - Specific mental functions
- AV - Sensory function and Pain
- AX - Pain
- AZ - Nervous system, unspecified
- 02 - Interventions on the Visual System
- 03 - Interventions on the Ear and Mastoid
- 04 - Interventions on the Haematopoietic and Lymphatic System
- 05 - Interventions on the Endocrine System
- 06 - Interventions on the Circulatory System
- 07 - Interventions on the Respiratory System and Voice and Speech
- 08 - Interventions on the Digestive System
- 09 - Interventions on the Integumentary System

AS1.PQ.ZZ ICHI Comments

<http://id.who.int/ichi/entity/1191892527>

ICHI code	AS1.PQ.ZZ
Target	AS1 - Mental functions
Action	PQ - Psychotherapy
Means	ZZ - Other and unspecified means
ICHI descriptor	Psychotherapy for mental functions
Definition	Providing therapeutic communication, based upon the systematic application of psychological theory, in relation to functions of the brain including both global mental functions (such as consciousness, energy and drive), and specific mental functions (such as memory, language and calculation mental functions)
Index Terms	Psychotherapy for simple phobias using exposure to the object
Includes Notes	
Code also	
Excludes Notes	counselling for mental functions (AS1.PP.ZZ)

M. Shojaei 41

: Colons

ICHI Beta-3 ATD.AA.ZZ ICHI Info Sign in

ICHI Beta-3

- ATC.PN.ZZ - Advising about awareness and alertness functions
- ATD.AA.ZZ - Assessment of orientation functions**
- ATD.AC.ZZ - Test of orientation functions
- ATD.PG.ZZ - Assisting and leading exercise for orientation functions
- ATD.PH.ZZ - Training for orientation functions
- ATD.PM.ZZ - Education about orientation function
- ATD.PN.ZZ - Advising about orientation functions
- ATD.PP.ZZ - Counselling for orientation function
- ATD.RB.ZZ - Practical support with orientation functions
- ATD.RC.ZZ - Emotional support for orientation function
- ATD.ZY.ZZ - Other interventions on orientation function, not elsewhere classified
- ATE.AA.ZZ - Assessment of intellectual functions
- ATE.AC.ZZ - Test of intellectual functions
- ATE.PG.ZZ - Assisting and leading exercise for intellectual functions
- ATE.PH.ZZ - Training for intellectual functions
- ATE.PM.ZZ - Education about intellectual functions
- ATE.PN.ZZ - Advising about intellectual functions
- ATE.PP.ZZ - Counselling for intellectual functions
- ATE.RB.ZZ - Practical support with intellectual functions
- ATE.RC.ZZ - Emotional support for intellectual functions
- ATF.AA.ZZ - Assessment of global psychosocial functions
- ATF.AC.ZZ - Test of global psychosocial functions
- ATF.PG.ZZ - Assisting and leading exercise for global psychosocial functions
- ATF.PH.ZZ - Training for global psychosocial functions
- ATF.PM.ZZ - Education for global psychosocial functions

ATD.AA.ZZ ICHI Comments

<http://id.who.int/ichi/entity/1796154833>

ICHI code	ATD.AA.ZZ
Target	ATD - Orientation functions
Action	AA - Assessment
Means	ZZ - Other and unspecified means
ICHI descriptor	Assessment of orientation functions
Definition	Evaluating functions of knowing and ascertaining one's relation to time, to place, to self, to others, to objects and to space
Index Terms	Assessing functions of orientation to time place person orientation to self and others
Includes Notes	
Code also	
Excludes Notes	

M. Shojaei 42

Omit code

ICHI Beta-3 PAK.AE.AA ICHI Info Sign in

ICHI Beta-3

- PAK.AD.AE - Percutaneous biopsy of abdomen, not elsewhere classified
- PAK.AE.AA - Exploratory laparotomy**
- PAK.AE.AB - Laparoscopy
- PAK.BA.BA - X-ray of abdomen, not elsewhere classified
- PAK.BA.BB - Pelvic contrast radiography
- PAK.BA.BC - Computerised tomography of abdomen, not elsewhere classified
- PAK.BA.BD - Computerised tomography of abdomen with intravenous contrast
- PAK.BA.BH - Magnetic resonance imaging of abdomen, not elsewhere classified
- PAK.BA.BI - Magnetic resonance imaging of abdomen with intravenous contrast
- PAK.BA.BJ - Ultrasound of abdomen, not elsewhere classified
- PAK.FA.AA - Laparotomy
- PAK.FC.AA - Release of abdominal adhesions, not elsewhere classified
- PAK.FC.AB - Laparoscopic release of abdominal adhesions, not elsewhere classified
- PAK.JA.AA - Irrigation of abdominal cavity, not elsewhere classified
- PAK.JA.AB - Laparoscopic irrigation of abdominal cavity, not elsewhere classified
- PAK.JA.AE - Percutaneous irrigation of abdominal cavity, not elsewhere classified
- PAK.JB.AA - Abdominal drainage, not elsewhere classified
- PAK.JB.AB - Laparoscopic abdominal drainage, not elsewhere classified
- PAK.JB.AE - Percutaneous abdominal drainage, not elsewhere classified
- PAK.JD.AA - Removal of foreign body from abdomen, not elsewhere classified
- PAK.LI.AA - Laparostomy
- PAK.MK.AA - Repair of abdomen, not elsewhere classified
- PAK.MK.AB - Laparoscopic repair of abdominal, not elsewhere classified
- PAL.AD.AE - Percutaneous biopsy of abdominal wall
- PAL.BA.BA - Soft tissue x-ray of abdominal wall

PAK.AE.AA ICHI Comments

<http://id.who.int/ichi/entity/1336558458>

ICHI code	PAK.AE.AA
Target	PAK - Abdomen, not elsewhere classified
Action	AE - Inspection
Means	AA - Open approach
ICHI descriptor	Exploratory laparotomy
Definition	
Index Terms	
Includes Notes	
Code also	
Excludes Notes	exploration incidental to intra abdominal surgery - omit code

M. Shojaei

43

MAXODA 2020

Singular versus multiple

ICHI Beta-3

- JAA.JD.AC - Removal of intraluminal foreign body from nose without incision
- **JAA.JI.AA - Local excision of lesion of nose**
- JAA.JI.AD - Endoscopic local excision of lesion of nose
- JAA.JJ.AA - Partial excision of nose
- JAA.JN.AA - Resection of nose
- JAA.KA.AC - Replacement of nasal packing
- JAA.LA.AC - Control of epistaxis
- JAA.LC.AH - Immobilisation of nose
- JAA.MK.AA - Closure of nasal fistula
- JAA.ML.AA - Reconstruction of nose
- JAB.FA.AC - Nasal septotomy
- JAB.GA.AC - Destruction of nasal septum
- JAB.JJ.AC - Submucous resection of nasal septum
- JAB.ML.AC - Septoplasty
- JAC.FB.AC - Fracture of the turbinates
- JAC.GA.AC - Radiofrequency ablation of the turbinate
- JAC.JJ.AC - Partial turbinectomy
- JAC.JJ.AD - Endoscopic endonasal partial turbinectomy
- JAC.JK.AC - Total turbinectomy
- JAC.JK.AD - Endoscopic endonasal turbinectomy
- JAE.AD.AA - Biopsy of paranasal sinus
- JAE.AD.AD - Endoscopic biopsy of paranasal sinus
- JAE.AD.AE - Percutaneous biopsy of paranasal sinus
- JAE.AE.AC - Transillumination of paranasal sinus
- JAE.AE.AD - Endoscopy of paranasal sinus

JAA.JI.AA ICHI

Comments

<http://id.who.int/ichi/entity/280322526>

ICHI code	JAA.JI.AA
Target	JAA - Nose
Action	JI - Excision, local
Means	AA - Open approach
ICHI descriptor	Local excision of lesion of nose
Definition	
Index Terms	Excision of lesion of nose, NOS Local excision of intranasal lesion Nasal polypectomy
Includes Notes	
Code also	
Excludes Notes	endoscopic excision of lesion of nose (JAA.JI.AD)

Residual Categories: 'Other' / 'Unspecified'

ZZY Other specified target

ZZZ Target, unspecified

ZY Other action

ZZ Unspecified action

ZY Other method or technique

ZZ Unspecified method or technique

ICHI Beta-3

- 04 - Interventions on the Haematopoietic and Lymphatic System
- 05 - Interventions on the Endocrine System
- 06 - Interventions on the Circulatory System
- 07 - Interventions on the Respiratory System and Voice and Speech
 - 22 - Interventions on the Environment: Products and technology
 - JB - Lower respiratory tract
 - JC - Pleura and thoracic spaces
 - JT - Function of respiratory system
 - JU - Voice and speech
 - JZ - Respiratory system and voice and speech, unspecified
 - JZZ.AA.ZZ - Assessment of respiratory system, not elsewhere classified
 - JZZ.DB.AC - Oral administration of pharmaceutical for respiratory system
 - JZZ.DL.AC - Other intubation of respiratory tract
 - JZZ.JA.AC - Other lavage of bronchus and trachea
 - JZZ.JB.AC - Suctioning of airways, not elsewhere classified
 - JZZ.ZY.ZZ - Other interventions on respiratory system, not elsewhere classified
 - JZZ.ZZ.ZZ - Unspecified interventions on respiratory system**
- 08 - Interventions on the Digestive System
- 09 - Interventions on the Integumentary System
- 10 - Interventions on the Musculoskeletal System
- 11 - Interventions on the Genitourinary System
- 12 - Interventions on Other and Unspecified Body Systems and Functions
- 2 - Interventions on Activities and Participation Domains
- 3 - Interventions on the Environment
- 4 - Interventions on Health-related Behaviours

JZZ.ZZ.ZZ ICHI Comments

<http://id.who.int/ichi/entity/302335191>

ICHI code	JZZ.ZZ.ZZ
Target	JZZ - Respiratory system, unspecified
Action	ZZ - Unspecified action
Means	ZZ - Other and unspecified means
ICHI descriptor	Unspecified interventions on respiratory system
Definition	
Index Terms	Unspecified diagnostic therapeutic, managing preventing interventions on respiratory system, NOS
Includes Notes	
Code also	
Excludes Notes	

- KAE.SM.AC - Management of external appliance of tooth
- **KAE.ZY.AC - Other interventions on teeth, not elsewhere classified**
- KAG.AD.AC - Biopsy of gum
- KAG.DL.AC - Insertion of internal device of gingiva
- **22 - Interventions on the Environment: Products and technology**
- KAG.FA.AC - Incision of gum or alveolar bone
- KAG.GA.AC - Destruction of gingiva
- KAG.JB.AC - Drainage of gingiva
- KAG.JD.AC - Removal of foreign body of gingiva
- KAG.JI.AC - Local excision of lesion or tissue of gum
- KAG.JJ.AC - Partial excision of gingiva
- KAG.MK.AC - Repair of gum
- KAG.ML.AC - Gingivoplasty
- KAL.BA.BC - Computerised tomography of parotid gland, not elsewhere classified
- KAL.BA.BD - Computerised tomography of parotid gland with intravenous contrast
- KAL.GA.BA - Destruction of lesion or tissue of parotid gland by radiotherapy
- KAL.GA.BJ - Shockwave lithotripsy of parotid gland
- KAL.JB.AA - Drainage of parotid gland
- KAL.JB.AE - Percutaneous drainage of parotid gland
- KAL.JE.AA - Extraction of calculus from parotid gland
- KAL.JJ.AA - Partial excision of parotid gland
- KAL.JK.AA - Total excision of parotid gland
- KAL.JL.AA - Radical excision of parotid gland
- KAL.LJ.AA - Transposition of parotid gland
- KAL.MK.AA - Repair of parotid gland
- KAM.AD.AA - Biopsy of salivary gland or duct

<http://id.who.int/ichi/entity/1513081677>

ICHI code	KAE.ZY.AC
Target	KAE - Teeth
Action	ZY - Other action, not elsewhere classified
Means	AC - Per Orifice
ICHI descriptor	Other interventions on teeth, not elsewhere classified
Definition	
Index Terms	Dental dietary advice Dental prophylaxis Oral Hygiene instruction
Includes Notes	
Code also	
Excludes Notes	

The following information fields assist in selecting the appropriate stem code:

- Definition
- Inclusion terms
- Includes notes
- Code also
- Excludes notes (Exclusions)

Category**Information value**

Definition

Provides a description of the intervention

Index terms

Gives examples of terms that should be classified to that specific stem code

Includes notes

Is used to define the scope of a stem code

Code also

Used to advise the user that an additional code may be assigned when a certain intervention is selected

Excludes notes

Lists specific interventions that are classified elsewhere in ICHI

ICHI Beta-3

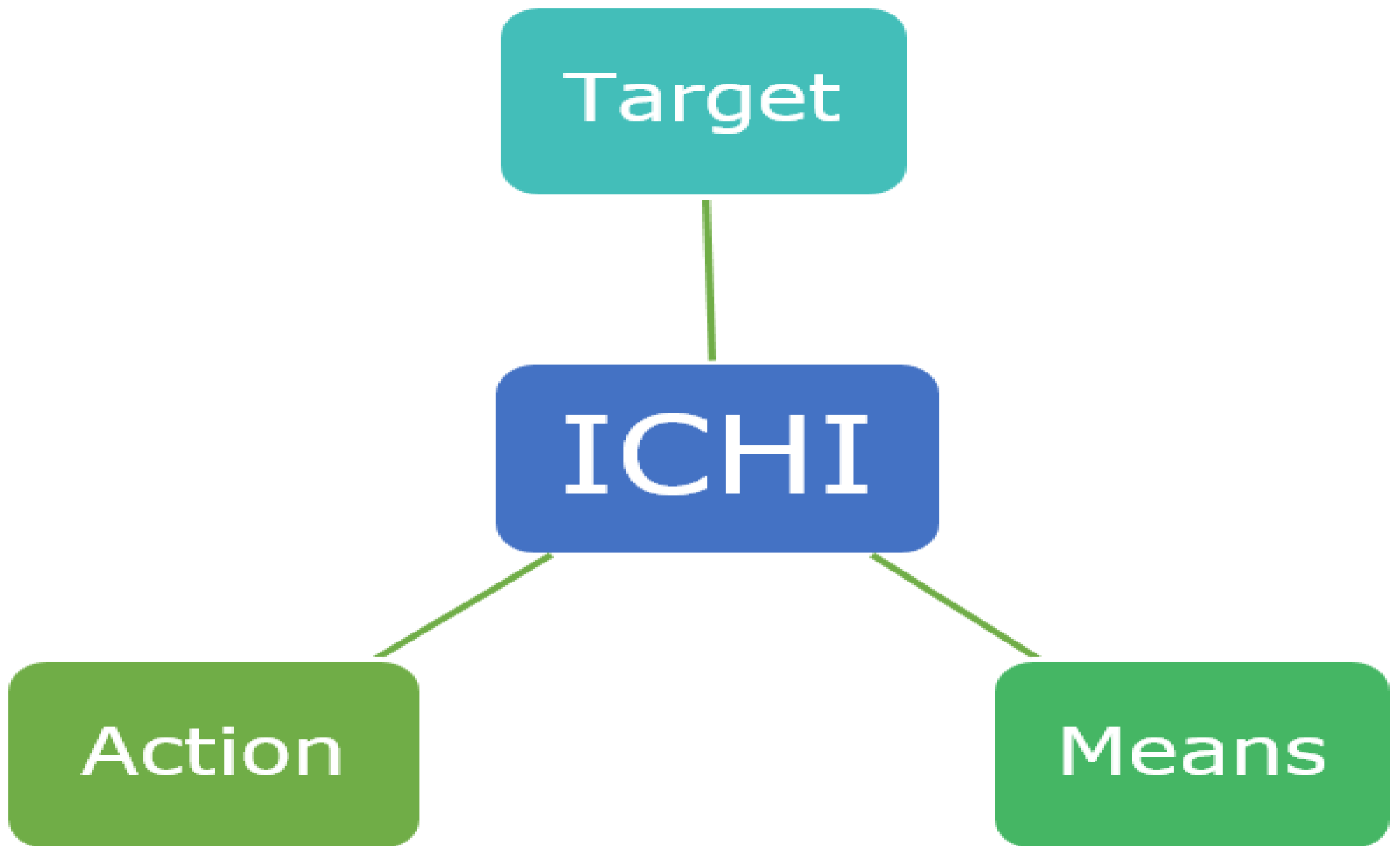
-NME.GA.AC - Paracervical uterine denervation
-**NME.GA.AD - Endometrial ablation**
-NME.GA.BA - Destruction of lesion or tissue of uterus by radiation therapy
-NME.JB.AA - Drainage of uterus and surrounding structures
-NME.JB.AB - Laparoscopic drainage of uterus and surrounding structures
-NME.JB.AC - Suction curettage of uterus
-NME.JB.AD - Hysteroscopic drainage of uterus and surrounding structures
-NME.JB.AF - Percutaneous drainage of uterus and surrounding structures
-NME.JD.AA - Removal of foreign body from uterus
-NME.JD.AB - Laparoscopic removal of foreign body from uterus
-NME.JD.AC - Transvaginal removal of foreign body from uterus without incision
-NME.JD.AD - Hysteroscopic removal of foreign body from uterus
-NME.JE.AA - Termination of pregnancy by hysterotomy
-NME.JE.AC - Dilation and curettage
-NME.JF.AA - Delivery by caesarean section
-NME.JF.AC - Assisted vaginal delivery
-NME.JI.AA - Local excision of lesion of uterus
-NME.JI.AB - Laparoscopic local excision of lesion of uterus
-NME.JI.AC - Vaginal local excision of lesion of uterus
-NME.JI.AD - Hysteroscopic local excision of lesion of uterus
-NME.JJ.AA - Supracervical hysterectomy
-NME.JJ.AB - Laparoscopic supracervical hysterectomy
-NME.JJ.AC - Partial vaginal hysterectomy
-NME.JJ.AD - Hysteroscopic partial excision of uterus
-NME.JJ.AI - Laparoscopically assisted supracervical hysterectomy

NME.GA.AD ICHI

Comments

<http://id.who.int/ichi/entity/274939777>


ICHI code	NME.GA.AD
Target	NME - Uterus
Action	GA - Destruction
Means	AD - Per orifice endoscopic
ICHI descriptor	Endometrial ablation
Definition	
Index Terms	Hysteroscopic endometrial ablation
Includes Notes	That by: cryoprobe; electrocautery; high intensity focused ultrasound; laser; microwave; radiofrequency; rollerball thermal uterine balloon
Code also	
Excludes Notes	



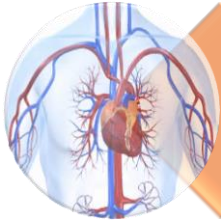
**Three
characters
for the
Target**

**Two
characters
for the
Action**

**Two
characters
for the
Means**

ICHI code	DAA.JK.AC 
Target	DAA - Palatine or pharyngeal tonsil
Action	JK - Excision, total
Means	AC - Per Orifice
ICHI descriptor	Tonsillectomy

Target



Targets for body systems or functions



Targets for activities and participation domains



Targets for the environment



Targets for health-related behaviours

Target

ZZY Other specified target

ZZZ Target, unspecified

Action



Diagnostic



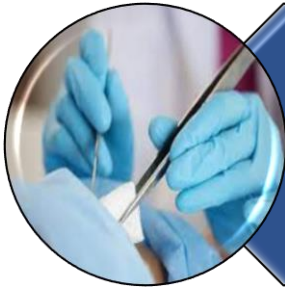
Therapeutic



Managing



Preventing



Action

ZY Other specified action

ZZ Action, unspecified

Action ▾

1 - Diagnostic

AA - Assessment

AB - Measurement

AC - Test

AD - Biopsy

AE - Inspection

AF - Mapping

AH - Specimen collection

AI - Monitoring

AM - Observation

AN - Interview

<http://id.who.int/icdhi/entity/647499064>

Action	AF
Title	Mapping
Definition	Tracing or following pathways of electrical impulses, metabolic or blood flow changes/distribution
Index Terms	Functional imaging
Excludes	
Code also	

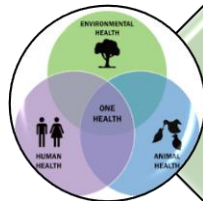
Means



Approach



Technique



Method



Sample

Means

ZY Other method or technique

ZZ Unspecified method or technique



Guessing the word being typed...

Selected: DAA.JK.AC



Word list

sort:

tonsillectomy

Destination Entities

sort:

DAA.JK.AC **Tonsillectomy**

Matching Terms

Tonsillectomy *

Exclusions

Destruction of tonsils (DAA.GA.AC)

Excision of tonsil tag (DAA.JI.AC)

Coding Note

Code also, if performed: adenoidectomy (DAB.JK.AC)

[See in hierarchy](#)

DAA.JJ.AC Partial excision of lingual tonsil

Intracapsular **tonsillectomy**

[\[Details\]](#)

DAA.LA.AC Control of haemorrhage after **tonsillectomy**

[\[Details\]](#)



- ▷ Interventions on the ear or mastoid
- ▽ Interventions on the haematopoietic or lymphatic system
 - ▽ Interventions on tonsil or adenoid
 - DAA.AD.AC Biopsy of tonsils
 - DAA.AD.AE Percutaneous biopsy of tonsil
 - DAA.FA.AC Incision of tonsil or peritonsillar structures
 - DAA.GA.AC Destruction of tonsils
 - DAA.JB.AA Open drainage or aspiration of retropharyngeal abscess
 - DAA.JB.AC Drainage of tonsil or peritonsillar structures
 - DAA.JD.AC Removal of internal device or foreign body from tonsil
 - DAA.JI.AC Local excision of lesion of tonsil
 - DAA.JJ.AC Partial excision of lingual tonsil
 - DAA.JK.AC Tonsillectomy
 - DAA.LA.AC Control of haemorrhage after tonsillectomy
 - DAB.AD.AC Biopsy of adenoids
 - DAB.AD.AE Percutaneous biopsy of adenoid
 - DAB.JD.AC Removal of internal device or foreign body from adenoid
 - DAB.JI.AC Local excision of lesion of adenoid
 - DAB.JK.AC Adenoidectomy
 - DAB.LA.AC Control of haemorrhage after adenoidectomy

DAA.JK.AC Tonsillectomy

Foundation URI: <http://id.who.int/icd/entity/669803319>

Code: DAA.JK.AC

✓ Select

Exclusions

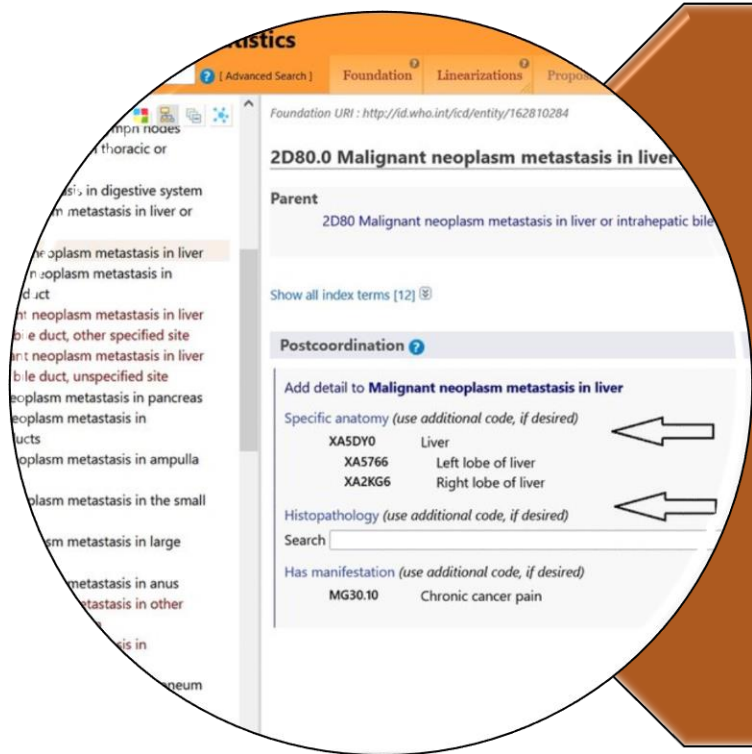
- Destruction of tonsils ([DAA.GA.AC](#))
- Excision of tonsil tag ([DAA.JI.AC](#))

Coding Note

Code also, if performed: adenoidectomy ([DAB.JK.AC](#))

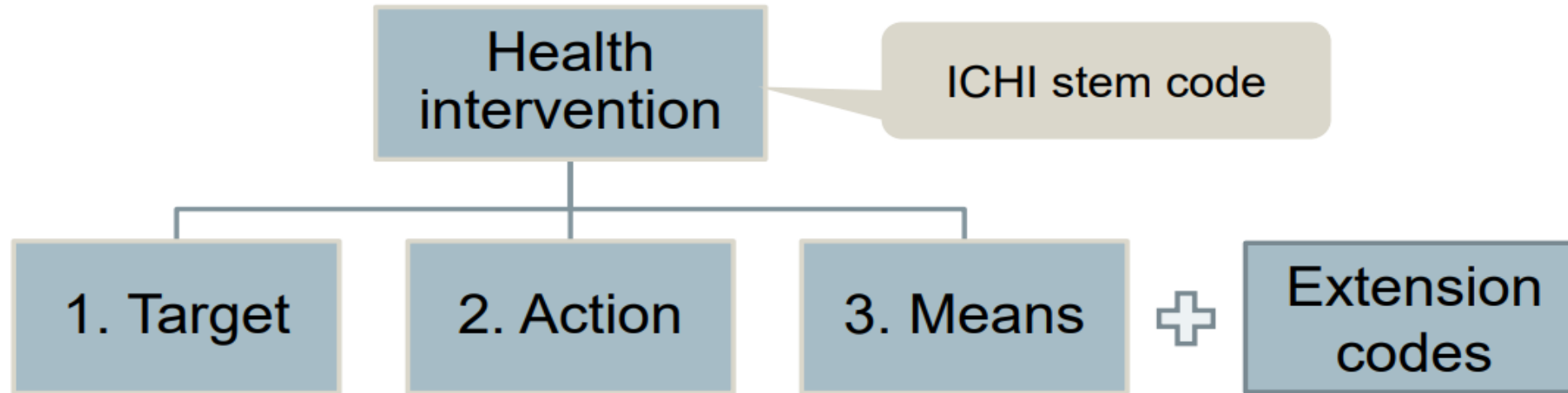
Examples of interventions in ICHI

Intervention	ICHI code	Target	Action	Means
Laparoscopic appendicectomy	KBO.JK.AB	KBO Appendix	JK Excision, total	AB Percutaneous endoscopic
Percutaneous administration of immunological agent	DTB.DB.AE	DTB Immunological system function	DB Administration of substance	AE Percutaneous
Assessment of joint mobility	MTB.AA.ZZ	MTB Mobility of joint functions	AA Assessment	ZZ Unspecified
Enactment of restrictions through laws or standards to improve outdoor air quality	UBM.WI.QD	UBM Outdoor air quality	WI Restrictions through laws or standards	QD Enactment



Extension codes

ICHI structure - three axes



Target: entity on which the Action is carried out

Action: a deed done by an actor to a Target

Means: the processes and methods by which the Action is carried out

Extension codes (optional) – additional information

ExtensionCodes ▾

- ▶ Quantifiers
- ▶ Additional descriptive information
- ▶ Topology
- ▶ Telehealth
- ▶ Essential pathology tests
- ▶ Additional target
- ▶ Specific Anatomic Detail
- ▶ Medicaments
- ▶ Assistive products
- ▶ Therapeutic products

Extension codes

Use Extension codes for detail

(use as needed)

- Therapeutic products
- Assistive products Medicaments
- Quantifiers
- Additional descriptive information
- Topology: laterality, measurement, relational

Use Extension codes for detail

(use as needed)

- Telehealth
- Essential pathology tests
- Supplementary target
- Additional anatomy
- Extension codes expand the detail and granularity of ICHI stem codes

- Closed reduction of the left humerus

MEB.LD.AH&XCA3

ICHI Beta-3

- MEB.LD.AA - Open reduction of humerus
- MEB.LD.AH - Closed reduction of humerus**
- MEB.LK.AA - Limb lengthening procedures, humerus
- MEB.LL.AA - Limb shortening procedures, humerus
- MEB.ML.AA - Bone graft, humerus
- MEJ.AD.AA - Biopsy of elbow joint structure
- MEJ.AD.AB - Arthroscopic biopsy of joint structure of elbow
- MEJ.AD.AE - Percutaneous biopsy of bone of elbow
- MEJ.AE.AB - Arthroscopy, elbow
- MEJ.BA.BA - X-ray of elbow joint
- MEJ.BA.BB - Elbow arthrography
- MEJ.BA.BE - Nuclear imaging study of elbow joint
- MEJ.BA.BH - Magnetic resonance imaging of elbow joint, not
- MEJ.BA.BI - Magnetic resonance imaging of elbow joint with i
- MEJ.BA.BJ - Ultrasound of elbow joint
- MEJ.DN.AA - Implantation of device into elbow joint
- MEJ.FA.AA - Arthrotomy, elbow
- MEJ.FB.AA - Division of joint capsule or cartilage, elbow
- MEJ.FC.AA - Release of elbow joint
- MEJ.FC.AB - Arthroscopic release of elbow joint
- MEJ.GA.AA - Destruction of lesion or tissue of elbow joint
- MEJ.JB.AA - Drainage of elbow joint

MEB.LD.AH ICHI

Comments

<http://id.who.int/ichi/entity/1261639408>

ICHI code	MEB.LD.AH
Target	MEB - Bone of upper arm
Action	LD - Position
Means	AH - External
ICHI descriptor	Closed reduction of humerus
Definition	
Index Terms	Closed reduction of dislocation, humerus Closed reduction of fracture, humerus Closed reduction of separated epiphysis, humerus
Includes Notes	
Code also	internal fixation if performed (MEB.DN.AA)
Excludes Notes	

M. Shojaei

English (United States)
US keyboard
71
To switch input methods, press

ICHI Beta-3

ExtensionCodes ▾

- Assistive products
- Telehealth
- Additional target
- Topology
 - XDA - Measurement
 - XDE - Relational
 - XCA - Laterality
 - XCA1 - Ipsilateral
 - XCA2 - Bilateral
 - XCA3 - Left**
 - XCA4 - Right
 - XCA5 - Central
 - XCA9 - Unilateral, unspecified
- Quantifiers
- Essential pathology tests
- Additional descriptive information
- Therapeutic products
- Medicaments
- Specific Anatomic Detail

XCA3 ExtensionCodes

Comments

<http://id.who.int/ichi/entity/2038722445>

XCode	XCA3
Title	Left
Definition	Left hand side of body or structure
Index Terms	
Excludes	
Notes	

- Provision of products and technology for communication
- Hearing aids (digital) and batteries

UAF.RD.ZZ&XP305.01

Interventions delivered using telehealth

- XH01** Intervention performed with advice or assistance provided from a distant location
- XH02** Intervention provided to recipient/s in a distant location
- XH03** Interventions delivered via technology, without direct involvement of a human provider

RULES

What not to code?

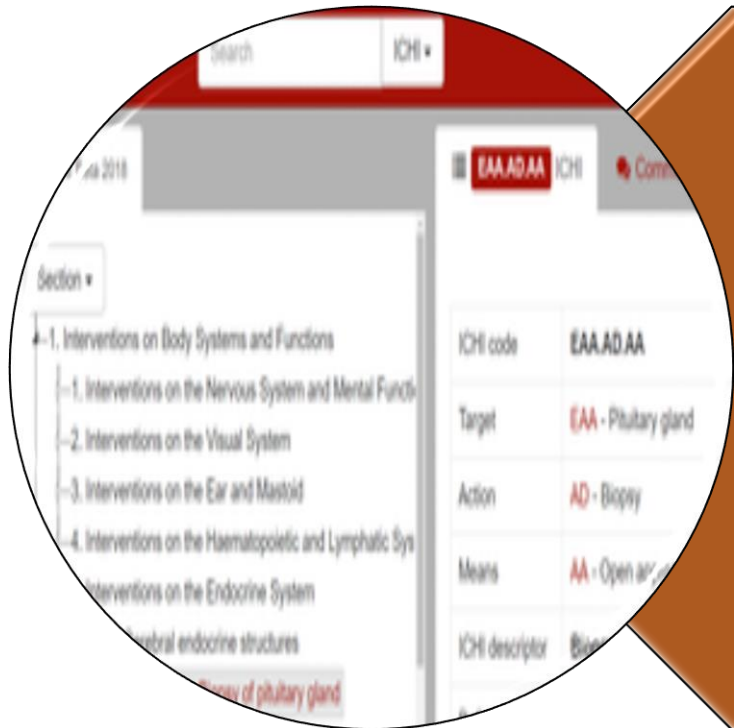
- Intervention Components

laparotomy performed for a cholecystectomy.

open cholecystectomy (KCF.JK.AA)

What order of code assignment?

1. Interventions to **treat the main purpose**
2. 2. Interventions to **treat the additional purpose(s)**
3. Interventions to **determine the main purpose**
4. Interventions to **determine the additional purposes**
5. Additional code to be recorded in accordance with a **'Code also'** instruction



Code String

Combining Codes

- ICHI code & extension code(s)

MEB.LD.AH&XCA3

Combining Codes

- **Interventions performed together:**

Intervention 1 / Intervention 2

KBF.JK.AA / KBA.JK.AA

Total oesophagogastrectomy

ICHI Code	KBF.JK.AA/KBA.JK.AA	
Stem code	KBF.JK.AA	Total gastrectomy
Stem code	KBA.JK.AA	Total oesophagectomy

Combining Codes

- **Associated extension codes are grouped using**

round brackets: ()

**HIA.LI.AA&(XCA3&XA2DD2)&(XCA4&XA4
YJ3)**

Coronary artery bypass graft to **left diagonal coronary artery** and **right circumflex coronary artery**

ICHI Code	HIA.LI.AA&(XCA3&XA2DD2)&(XCA4&XA4YJ3)	
Stem code	HIA.LI.AA	Coronary artery bypass
Topology extension	XCA3	Left
Additional anatomy extension	XA2DD2	Diagonal artery
Topology extension	XCA4	Right
Additional anatomy extension	XA4YJ3	Circumflex artery

Combining Codes

- **Packages of interventions:** Intervention 1+

Intervention 2 +

(rehabilitation, mental health, public health)

UAF.TI.ZZ+UAF.PH.ZZ

UAF.TI.ZZ

Prescription of products and technology for communication

UAF.PH.ZZ

Training in the use of products and technology for communication

Combining Codes

- **Adding codes from other classifications #**

Classification of Occupations

Combining Codes

MTB.PG.EC&XB11.5&XXMGJ/MUB.PG.E

A&XB11.3&XXMGM

Stem code MTB.PG.EC Assisting and leading movement skills exercise for mobility of joint functions

Additional descriptive extension XB11.5 Movement techniques

Additional target extension XXMGJ Joint of hand and fingers

Stem code MUB.PG.EA Assisting and leading strength exercise for muscle power functions

Additional descriptive extension XB11.3 Strength techniques

Additional target extension XXMGM Muscle of hand

Combining Codes

MTB.PG.ZZ&XB11.5&XXMGGJ+MUB.PG.

ZZ&XB11.3&XXMGM+SIA.PN.ZZ&

XB12.0+SIG.PH.ZZ

Public health and non-health activities



- Planning in relation to wastes or scraps

UGS.TB.ZZ

- Public health surveillance concerning wastes or scraps

UGS.VC.ZZ

- Public health surveillance concerning environmental industries and products, unspecified

UG1.VC.ZZ

امیرمومنان حضرت امام علی علیه السلام :

هر روزی که بر انسان می گذرد، آن « روز » این سخن را با انسان دارد :
ای انسان ! من **روز تازه ای** هستم و بر اعمال **شاهد و ناظر**، بنابراین
در ظرف من **سخنان خوب بگو** و اعمال خیر به جا آور، تا در روز قیامت
بر خیرات تو شهادت دهم، امروز که گذشت مرا هرگز نخواهی دید!

