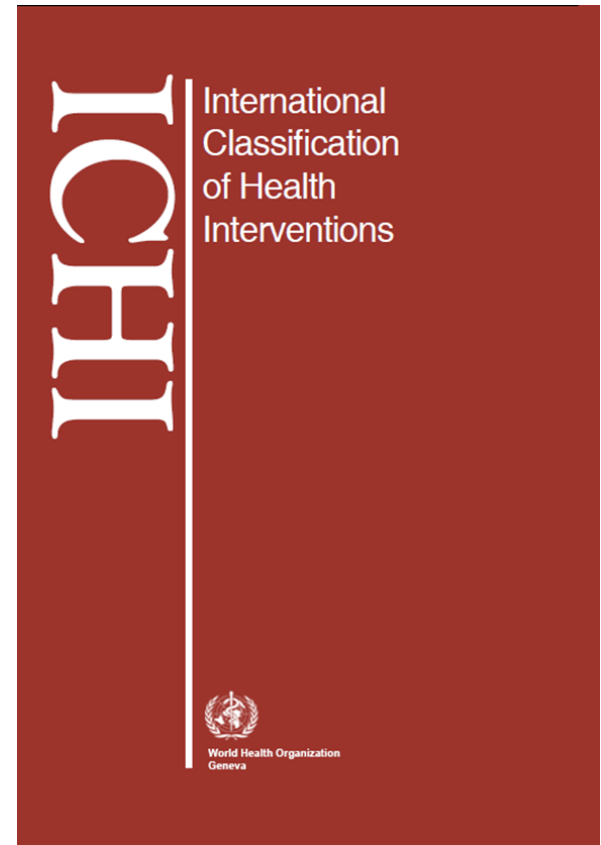


# An Introduction to the International Classification of Health Interventions (ICHI)



Incorporating content from:

ICHI - International Classification of Health Interventions Training Manual

ICHI Platform User Guide

# Objectives

- ✓ To understand why ICHI has been developed and its aim
- ✓ To understand ICHI code structure – three axes, stem codes, extension codes
- ✓ To understand the correct syntax to use when combining stem codes ( / ) and extension codes ( & ) and how to group combined extension codes
- ✓ To develop an understanding of the ICHI architecture
- ✓ To develop an understanding of how to browse the ICHI Platform

# Background

# What is ICHI?

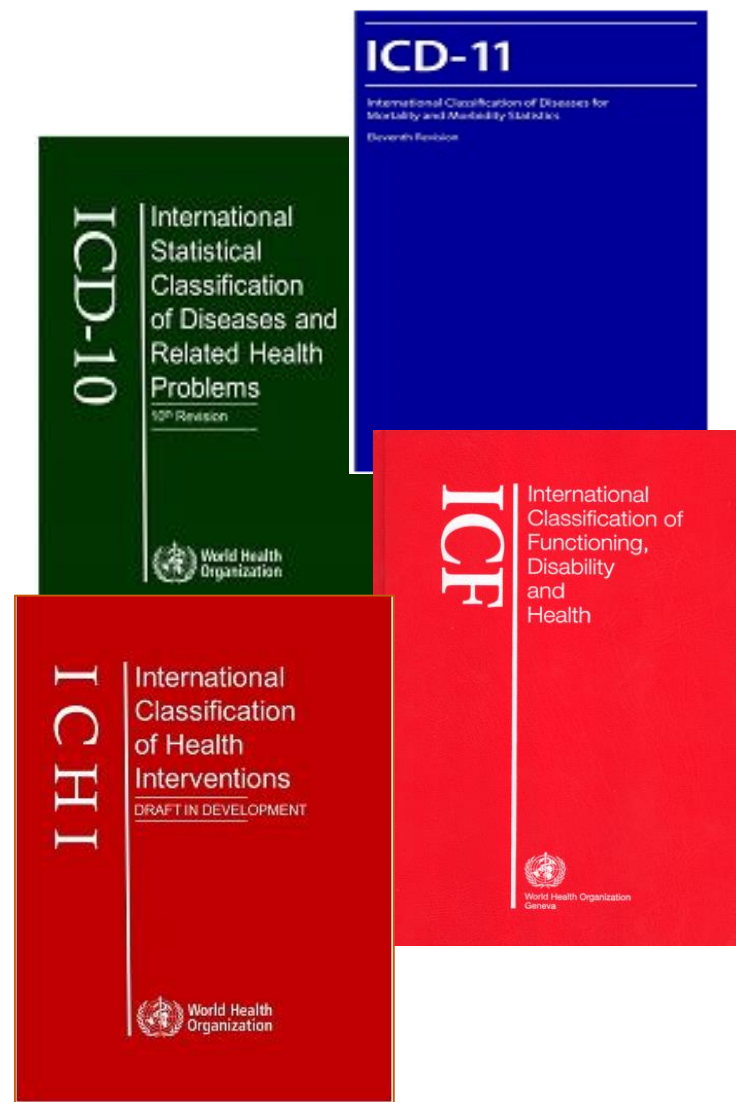
ICHI is a classification of health interventions developed by the World Health Organization (WHO) and The WHO Family of International Classifications (WHO-FIC).

In development since 2007, ICHI aims to provide a common tool for describing, reporting and analysing health interventions.

The aim is to meet a number of use cases such as:

- International comparisons
- National uses:
  - Provide a classification for countries that lack one
  - Countries wishing to align national classification with ICHI
  - Adding components of ICHI to national classifications
  - A basis for re-developing national classifications
- Patient safety and quality
- Health System Performance (incl. Financing)

- ICHI is a member of the WHO Family of International Classifications
- ICHI covers all sectors of the health system:
  - Acute care
  - Mental health
  - Primary care
  - Allied health
  - Assistance with functioning
  - Rehabilitation
  - Prevention
  - Public health
  - Traditional medicine



# Health Intervention Definition

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

*Source: ICHI – International Classification of Health Interventions Training Manual*

# ICHI Code Structure

# Stem Code

Each category is represented by a seven-character, pre-coordinated code, which is called a 'stem code'

Each ICHI stem code is described in terms of three axes:

**Target** - the entity on which the Action is carried out

**Action** - the deed done by an actor to the Target


**Means** - the processes and methods by which the Action is carried out



Each axis consists of a coded list of descriptive categories.

Each stem code is represented by a title and a unique code denoting the axis categories for that intervention, separated by dots:

- Three characters for the Target
- Two characters for the Action
- Two characters for the Means

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

In some cases the descriptive title reflects the axis categories for that code (e.g. DAA.JD.AC 'Removal of foreign body from tonsil'); in other cases the title comprises commonly used clinical terms (e.g. DAA.JK.AC 'Tonsillectomy').

By clicking on each axis (e.g. DAA), a pop up window will then display showing the content of the chosen axis.

ICHI code	<b>DAA.JK.AC</b>
Target	<b>DAA</b> - Palatine or pharyngeal tonsil
Action	<b>JK</b> - Excision, total
Means	<b>AC</b> - Per Orifice
ICHI descriptor	<b>Tonsillectomy</b>
Definition	
Inclusion Terms	Excision of tonsil tag
Includes Notes	
Code also	adenoidectomy if performed ( <b>DAB.JK.AC</b> )
Excludes Notes	destruction of tonsil ( <b>DAA.GA.AC</b> )

<b>Target</b>	<b>DAA</b>
Title	Palatine or pharyngeal tonsil
Definition	
Incl	lingual tonsil
Excl	adenoid ( <b>DAB</b> )
Mapping ICF	

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


- **Definition** – Provides a description of the intervention.
- **Inclusion terms** – Lists terms that should be classified to that specific stem code (may include synonyms). The lists are not exhaustive.
- **Includes notes** – Further defines or clarifies the scope of a stem code (e.g. DAA.JB.AC Drainage of tonsil or peritonsillar structures *includes* “Aspiration of peritonsillar abscess”).
- **Code also** (when performed) - Advises the user that an additional code is to be assigned when certain associated interventions are performed.
- **Excludes notes** – Lists specific interventions that are classified elsewhere in ICHI.

# Extension Codes

# Extension codes

- Extension codes are provided to add further detail to a stem code when needed.
- Extension codes include quantifiers, topology, additional anatomy, medicaments, and assistive and therapeutic products.

Extension code	XCA3
Title	Left
Definition	Left hand side of body or structure



# Syntax used in ICHI

- Where an extension code(s) is used, the ICHI stem code is to be reported first, followed by an ampersand '&', followed by the extension code(s)
- When multiple extension codes are used, they are to be separated by '&'
- Associated extension codes are grouped using round brackets ( )
- Interventions that are performed together are reported as:
  - Intervention 1 / Intervention 2
- Packages of interventions are reported using '+' between interventions

**The next slide provides some examples of ICHI code assignment**  
(see later slides for further specific examples)

# ICHI Code assignment examples

When assigning ICHI codes (stem with/without extension codes) you may have any combination of the following:

- One stem code only e.g. *Neurological assessment*
  - assign AZZ.AA.AH Neurological assessment
- A stem code and extension code e.g. *Right meniscopectomy of knee*
  - MMD.ML.AA&XCA4
  - **Where:**  
Stem code - MMD.ML.AA Meniscopectomy of knee  
Topology extension code for laterality - XCA4 Right
- Multiple stem codes e.g. *Partial oesophagectomy with gastrostomy*
  - KBA.JJ.AA/KBF.LI.AA
  - **Where:**  
Stem code - KBA.JJ.AA Partial oesophagectomy  
Stem code - KBF.LI.AA Gastric bypass
- Multiple stem codes and extension codes e.g. *Assisting and leading skills for mobility of hand and finger joints and exercises for muscles of the hand*
  - MTB.PG.EC&XB11.5&XXMGJ/MUB.PG.EA&XB11.3&XXMGM
  - **Where:**  
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

# ICHI Beta-2 2019



Let's take a look at the ICHI Platform

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



# ICHI Beta-2 2019 Platform

- ✓ You may access the platform without registering
  
- ✓ Registered users can:
  1. Contribute to the development of ICHI by commenting and proposing changes to the classification to enhance the content
  
  2. Read other users' comments and proposals

# ICHI Homepage

ICHI homepage displays the four sections for browsing on the left side, with general information on ICHI and CAVEATS on the right side:

The screenshot shows the ICHI homepage layout. At the top is a dark red header with the ICHI logo, 'Beta-2 2019' dropdown, a search bar, and 'Info' and 'Sign in' links. Below the header is a grey navigation bar with a hamburger menu icon and 'ICHI'. The main content area is divided into three columns. The left column features a yellow 'Interventions' dropdown menu with a list of four categories: '1 - Interventions on Body Systems and Functions', '2 - Interventions on Activities and Participation Domains', '3 - Interventions on the Environment', and '4 - Interventions on Health-related Behaviours'. The middle column has a yellow 'ICHI Beta-2 2019' header, followed by a welcome message and a list of links: 'ICHI Beta-2 2019', 'Acknowledgements', 'Introduction', 'Draft ICHI Guidelines', and 'ICHI Platform User Guide'. The right column has a yellow 'CAVEATS' header with a warning icon, followed by a list of caveats: 'NOT FINAL', 'updated on regular basis', 'It is not approved by WHO', and 'NOT TO BE USED for CODING except for agreed FIELD TRIALS'. Three green arrows point to the 'Interventions' dropdown, the 'ICHI Beta-2 2019' header, and the 'CAVEATS' header.

Further information on ICHI can be accessed by clicking on the relevant link

# ICHI Sections

The broad scope of ICHI ensures coverage of interventions delivered across all sectors of the health system.

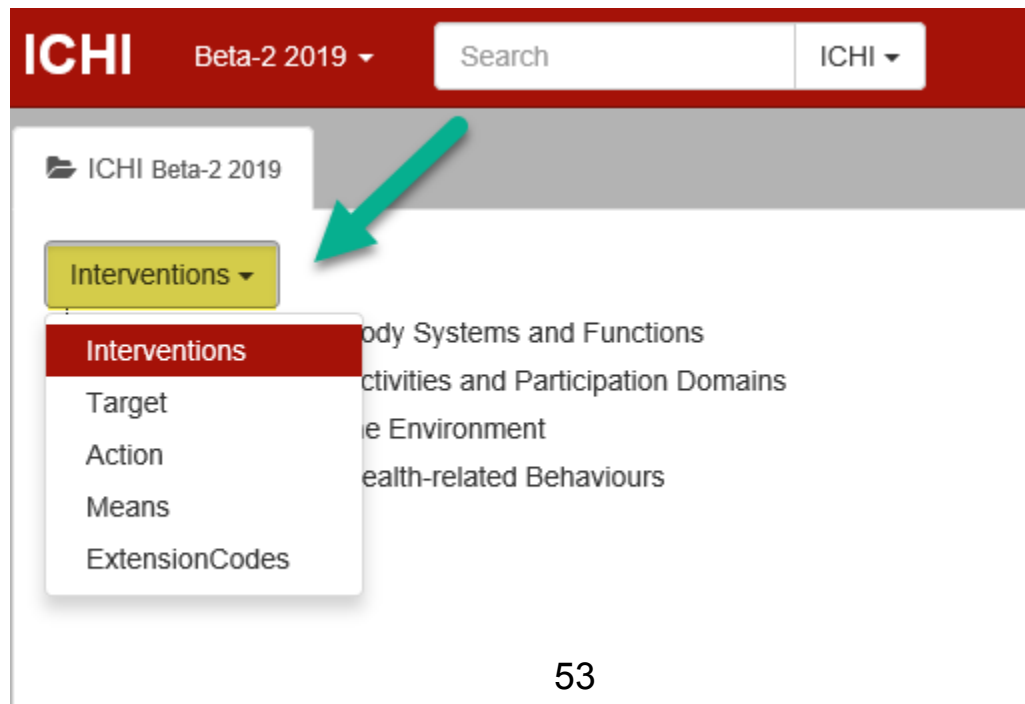
ICHI contains 27 chapters:

<b>Chapters</b>	<b>Interventions on...</b>
1 - 12	Body Systems and Functions
13 - 21	Activities and Participation Domain
22 - 26	Environment
27	Health-related Behaviours

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

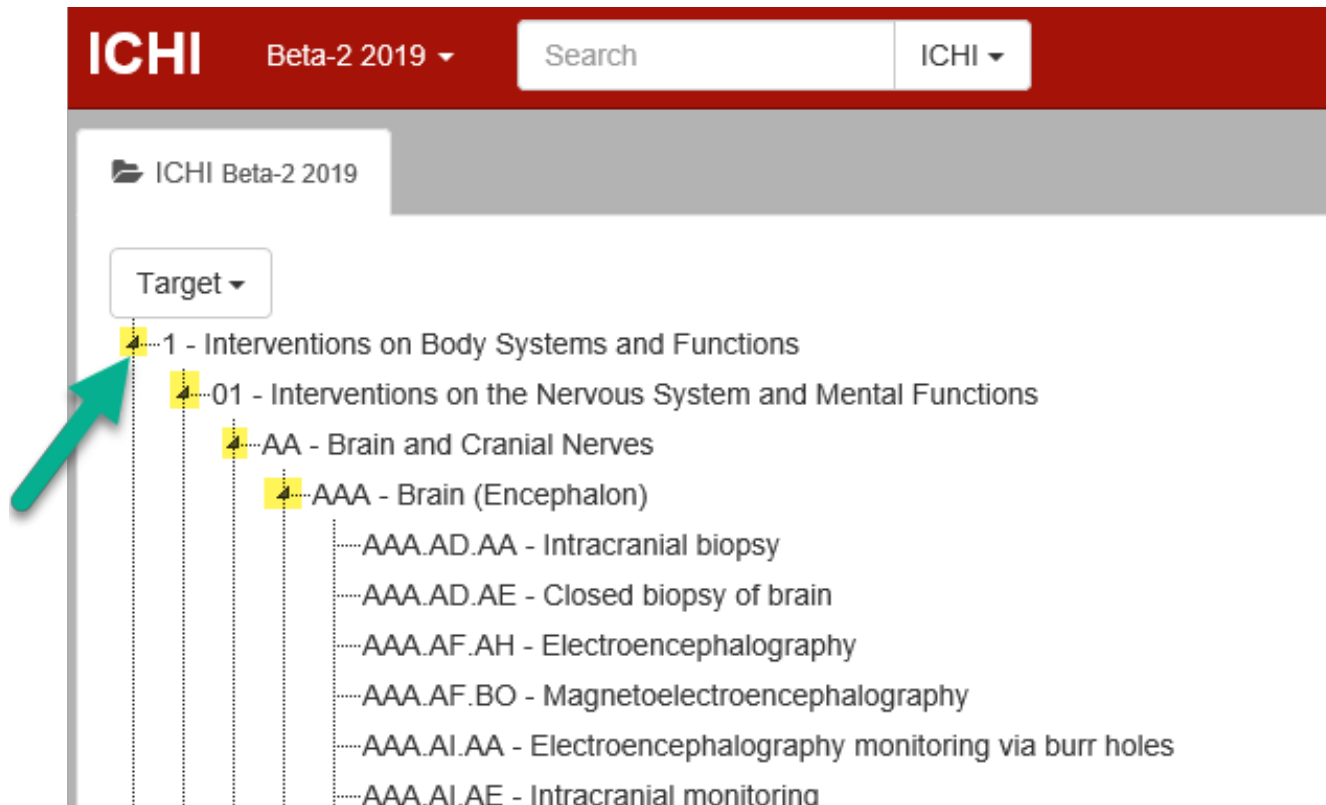
# ICHI Components

- The ICHI Platform allows you to browse the different components of the classification: Interventions; Target; Action; Means; Extension Codes.
- Click on the heading box (e.g. 'Interventions' which appears on the left side of the screen) to choose to view different components of the classification, as shown below.



# ICHI Components

Once a component is selected, it can be expanded by clicking on the small triangle on the left side of the item to browse the codes available within each component.



The screenshot shows the ICHI Beta-2 2019 interface. At the top, there is a red header with the ICHI logo, a dropdown menu for 'Beta-2 2019', a search bar, and another dropdown menu for 'ICHI'. Below the header, there is a grey bar with a folder icon and the text 'ICHI Beta-2 2019'. Underneath, there is a 'Target' dropdown menu. The main content area displays a hierarchical list of components. A green arrow points to the small triangle on the left side of the first item, '1 - Interventions on Body Systems and Functions'. The list includes:

- 1 - Interventions on Body Systems and Functions
  - 01 - Interventions on the Nervous System and Mental Functions
    - AA - Brain and Cranial Nerves
      - AAA - Brain (Encephalon)
        - AAA.AD.AA - Intracranial biopsy
        - AAA.AD.AE - Closed biopsy of brain
        - AAA.AF.AH - Electroencephalography
        - AAA.AF.BO - Magnetoencephalography
        - AAA.AI.AA - Electroencephalography monitoring via burr holes
        - AAA.AI.AE - Intracranial monitoring

# ICHI Components

When navigating ICHI, by clicking on any entity on the left side of the screen, the details of that entity will display on the right side of the screen.

The screenshot displays the ICHI Beta-2 2019 interface. On the left, a hierarchical tree structure is shown under a 'Target' dropdown. The tree is expanded to show the following levels:

- 1 - Interventions on Body Systems and Functions
  - 01 - Interventions on the Nervous System and Mental Functions
    - AA - Brain and Cranial Nerves
      - AAA - Brain (Encephalon)
        - AAA.AD.AA - Intracranial biopsy** (highlighted in yellow)
        - AAA.AD.AE - Closed biopsy of brain
        - AAA.AF.AH - Electroencephalography
        - AAA.AF.BO - Magnetoencephalography
        - AAA.AI.AA - Electroencephalography monitoring via burr holes
        - AAA.AI.AE - Intracranial monitoring
        - AAA.AI.AH - Electroencephalography monitoring
        - AAA.AI.BL - Video or radio-telemetered electroencephalography monitoring
        - AAA.BA.BA - Encephalography
        - AAA.BA.BB - Other contrast radiogram of brain
        - AAA.BA.BC - Computerised tomography of brain, not elsewhere classified
        - AAA.BA.BD - Computerised tomography of brain with intravenous contrast medium
        - AAA.BA.BF - Single photon emission computerised tomography of brain
        - AAA.BA.BG - Positron emission tomography of brain
        - AAA.BA.BH - Magnetic resonance imaging of brain, not elsewhere classified

A green arrow points to the highlighted 'AAA.AD.AA - Intracranial biopsy' entity. On the right side of the interface, the details for this entity are displayed in a table:

AAA.AD.AA ICHI <span>Comments</span>	
ICHI code	AAA.AD.AA
Target	AAA - Brain (Encephalon)
Action	AD - Biopsy
Means	AA - Open approach
ICHI descriptor	<b>Intracranial biopsy</b>
Definition	
Inclusion Terms	Biopsy of choroid plexus; Open biopsy of brain; Open biopsy of brain via osteoplastic craniotomy
Includes Notes	via: burr hole approach; osteoplastic flap
Code also	
Excludes Notes	

# Extension Codes

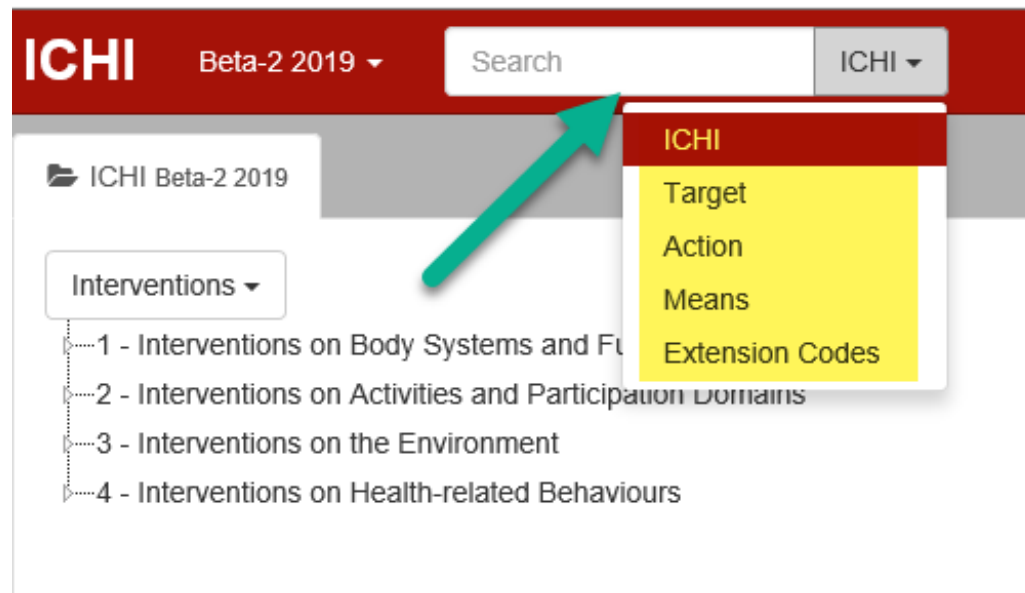
By clicking on the 'ExtensionCodes' component, you can browse the list of available extension codes.

The screenshot displays the ICHI Beta-2 2019 web application interface. The top navigation bar is red with the ICHI logo, the text 'Beta-2 2019', a search box, and a dropdown menu. Below the navigation bar, the main content area is divided into two sections. On the left, a tree view under the 'ExtensionCodes' component shows a hierarchy of categories. The 'XCA - Laterality' category is expanded, and 'XCA3 - Left' is highlighted in yellow with a green arrow pointing to it. On the right, a table titled 'XCA3 ExtensionCodes' provides details for the selected code. The table has columns for 'XCode' and 'Title', and rows for 'Definition', 'Includes', 'Excludes', and 'Notes'. The 'XCode' cell is highlighted in yellow, and a green arrow points to it from the right. The 'Title' cell contains the text 'Left', and the 'Definition' cell contains 'Left hand side of body or structure'.

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

# Quick Search

- A quick search (located at the top of the screen) can also be performed to help users find interventions in ICHI within the following components: Interventions; Target; Action; Means and Extension codes.
- By entering a term (e.g. 'tonsillectomy'), a search on that term is performed within titles (descriptor), definitions, inclusion terms, includes notes, code also and excludes notes.
- Alternatively, you can enter the first three letters of a term (e.g. 'ton') or multiple part word terms (e.g. 'rep kn') and a list of suggested results will display.





For example, let's try performing a quick search to find the ICHI intervention stem code for 'tonsillectomy' with the component 'ICHI' selected.

A search results list will appear and by clicking on an ICHI intervention stem code within this list, it will be displayed on the right side of the screen. As seen below, the ICHI intervention stem code for a 'tonsillectomy' is **DAA.JK.AC**.

The screenshot shows the ICHI Beta-2 2019 search interface. The search bar contains 'tonsillectomy|' and the component 'ICHI' is selected. The search results list on the left shows several codes, with 'DAA.JK.AC - Tonsillectomy' highlighted in yellow and a green arrow pointing to it. The detailed view on the right shows the code 'DAA.JK.AC' highlighted in yellow and a green arrow pointing to it. The detailed view includes the following information:

code	DAA.JK.AC
et	DAA - Palatine or pharyngeal tonsil
n	JK - Excision, total
s	AC - Per Orifice
descriptor	Tonsillectomy
ition	
Inclusion Terms	Excision of tonsil tag
Includes Notes	
Code also	adenoidectomy if performed (DAB.JK.AC)
Excludes Notes	destruction of tonsil (DAA.GA.AC)

**NB: Before selecting a stem code, check that the Target, Action and Means categories for that code are applicable to the intervention being coded.**

# Interventions delivered using telehealth

*Telehealth is the use of information and communications technologies to deliver healthcare*

The following extension codes are to be used where the intervention delivered involves telehealth (incl telemedicine):

- 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

# Telehealth interventions involving providers at two different locations

*e.g., a surgical intervention delivered by a doctor co-located with the patient and a doctor at another hospital operating robotic controls or providing advice to the co-located doctor*

The intervention may be recorded at both locations, e.g., two different hospitals:

- XH01 may be used at the hospital where the patient is
- XH02 must be used at the hospital that is distant from the patient

This prevents double counting of the intervention when information is aggregated across locations

# Using ICHI with ICD and/or ICF

ICHI has been designed to align where relevant with ICD and ICF, and to be used alongside both of those classifications.

- ICHI functioning targets are drawn from the ICF
- Several extension codes (medicaments, anatomy) are ICD extension codes

## ICHI

- Describe investigative and assessment intervention(s)
- Record planned or performed therapeutic or supportive interventions to achieve goal(s)
- At follow-up, used again to document any performed investigative and assessment intervention(s)

## ICF

- Describe the result of investigative and assessment intervention (s)
- Document functioning-related goals agreed upon & any needs for assistance
- Describe the person's functioning after provided therapeutic or supportive

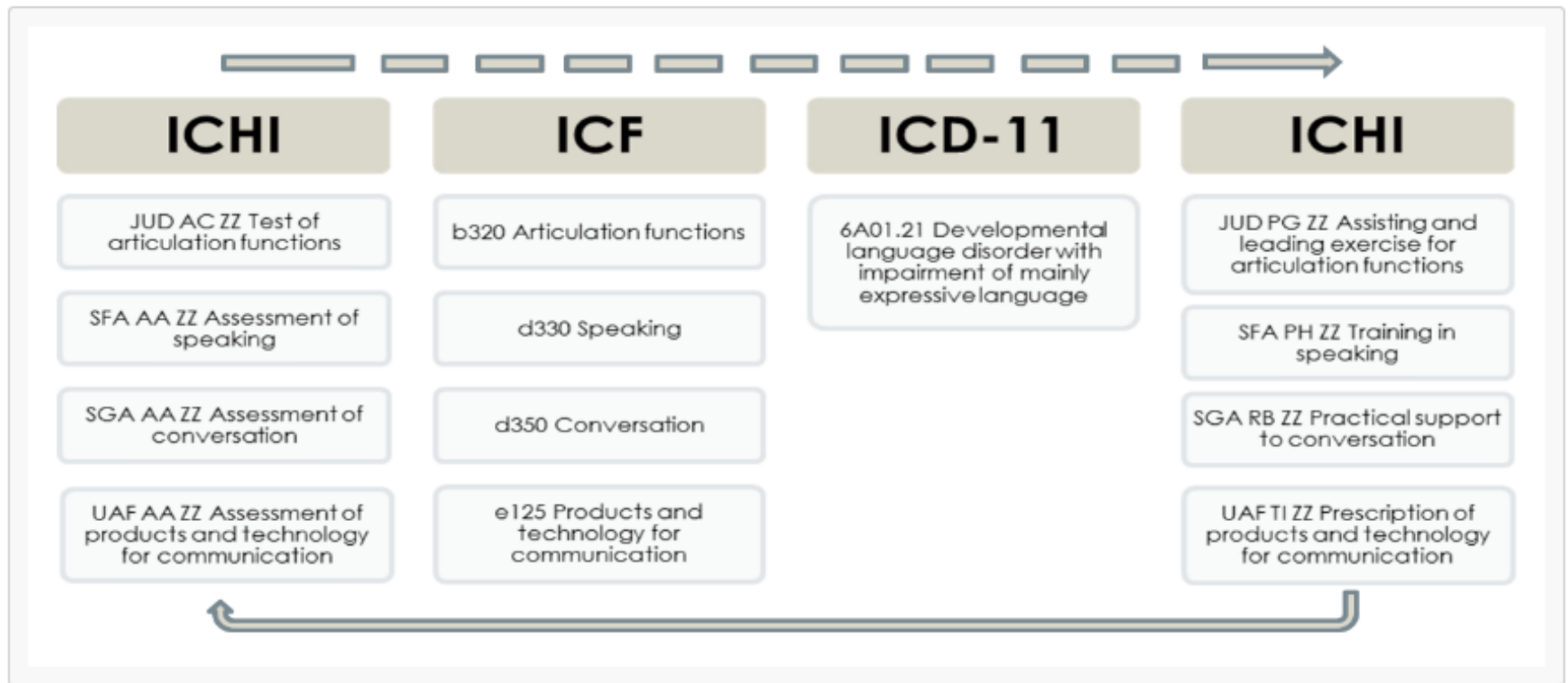
## ICD

- Record patient's health condition(s)

The person's functioning before and after the intervention(s) can be compared and if the functioning-related goals have been achieved, ICHI, ICF and ICD can be used together in the digital structured documentation in the electronic health record.

# Using ICHI with ICD and ICF

*Example:* Patient with a communication related functioning limitation



# Let's Practice



We will now take a look at several different examples that involve the use of:

- A stem code alone;
- Multiple stem codes used together and extension codes used with stem codes

We will walk through the process of code assignment for some examples.

# Examples of interventions in ICHI

# Medical/Surgical interventions

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- All types of diagnostic and therapeutic medical/surgical interventions are found in Section 1 across 12 body system chapters
- The next few slides provides various examples of medical and surgical intervention codes and how to find them on the ICHI Platform





## Example 1: Insertion of a permanent percutaneous endoscopic gastrostomy (PEG) tube

- Using the 'Quick search' with the 'ICHI' option selected, type the key words 'endoscopic gastrostomy' into the search field. The search results will be listed and sorted by how well the text entered matches the entity in ICHI.
- Click on an ICHI intervention code in the search results to see information for that code displayed on the right side of the screen.

### ICHI stem code: KBF.DL.AJ

The screenshot shows the ICHI Beta-2 2019 search interface. The search bar contains 'gastrostomy' and the 'ICHI' option is selected. The search results are displayed in a list, with the top result, 'KBF.DL.AJ - Percutaneous endoscopic gastrostomy', highlighted in yellow. A green arrow points to this result. The detailed view of the KBF.DL.AJ code is shown on the right side of the screen, with the following information:

code	KBF.DL.AJ
set	KBF - Stomach
n	DL - Insertion of internal device
is	AJ - Combined approach, percutaneous and per orifice endoscopic
descriptor	Percutaneous endoscopic gastrostomy
dition	
ision Terms	Insertion of PEG; Percutaneous transabdominal gastrostomy

## Example 2: Unplanned repair of right inguinal hernia

- Start by searching the key words 'repair hernia' to find the ICHI intervention stem code for repair of an inguinal hernia.
- For this example, extension codes can be used to provide additional detail about the topology ("right") and additional descriptive information ("unplanned intervention"). These are found by the browsing the ExtensionCodes component on the left side of the screen.

### ICHI stem code with extensions: PAM.MK.AA&XB03.0&XCA4

The screenshot shows the ICHI Beta-2 2019 search interface. The search term 'repair hernia' is entered in the search bar. The results list various hernia repair codes. The code 'PAM.MK.AA - Repair of inguinal hernia' is highlighted in yellow, with a green arrow pointing to it. The code 'PAL.ML.AA - Repair of abdominal wall with graft or prosthesis' is also highlighted in yellow, with a green arrow pointing to it. The code 'PAM.MK.AA' is highlighted in yellow in the 'code' field of the selected result. The code 'PAM - Abdominal wall, inguinal' is highlighted in yellow in the 'et' field. The code 'MK - Repair' is highlighted in yellow in the 'n' field. The code 'AA - Open approach' is highlighted in yellow in the 'is' field. The code 'Repair of inguinal hernia' is highlighted in yellow in the 'descriptor' field. The code 'Bilateral repair of inguinal hernia, NOS; Direct and indirect inguinal hernia; Inguinal herniorrhaphy NOS; Other and open bilateral repair of direct inguinal hernia; Other and open bilateral repair of indirect inguinal hernia; Other and open repair of direct inguinal hernia; Other and open repair of indirect inguinal hernia; Unilateral repair of inguinal hernia, NOS' is highlighted in yellow in the 'ision Terms' field. The code 'laparoscopic repair of inguinal hernia (PAM.MK.AB); laparoscopic repair of inguinal hernia with graft or prosthesis (PAM.ML.AB); repair of inguinal hernia with graft or prosthesis (PAM.ML.AA)' is highlighted in yellow in the 'des Notes' field.

The screenshot shows the ICHI Beta-2 2019 search interface. The search term 'repair hernia' is entered in the search bar. The 'ExtensionCodes' component is expanded, showing a tree structure of extension codes. The code 'XB03.0 - Unplanned intervention' is highlighted in yellow, with a green arrow pointing to it. The code 'XCA4 - Right' is highlighted in yellow, with a green arrow pointing to it. The code 'XCA1 - Ipsilateral' is highlighted in yellow. The code 'XCA2 - Bilateral' is highlighted in yellow. The code 'XCA3 - Left' is highlighted in yellow. The code 'XCA9 - Unilateral, unspecified' is highlighted in yellow.

*Example 3: Coronary artery bypass graft to left diagonal coronary artery and right circumflex coronary artery*

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

Combined extension codes should be grouped using round brackets ( ), for example, the coronary artery bypass graft was to the left diagonal artery and right circumflex coronary artery, therefore the extension codes for 'left' and 'diagonal artery' are grouped together and the extension codes for 'right' and 'circumflex artery' are also grouped together using round brackets. The group of extension codes are then combined using the **&** syntax.

## *Example 4: Total oesophagogastrectomy*

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

When multiple ICHI interventions are delivered and are represented by stem codes only, the first stem code is separated from the second stem code by a slash ‘ / ’.

## *Example 5: Laparoscopic cholecystectomy with ERCP*

ICHI Code	KCF.JK.AB KCO.BA.BB	
Stem code	KCF.JK.AB	Laparoscopic cholecystectomy
Stem code	KCO.BA.BB	Endoscopic retrograde cholangiopancreatography

Two or more independent interventions performed on the same date, or on different dates, are not to be reported as interventions performed together.

*Example 6: Percutaneous transluminal angioplasty of left lower leg artery and percutaneous transluminal angioplasty of right lower leg artery with insertion of two stents*

<b>ICHI Code</b>		<b>IFA.LG.AF&amp;XCA3/IFA.LH.AF&amp;XAC4&amp;XT01.24</b>
<b>Stem code</b>	<b>IFA.LG.AF</b>	Percutaneous transluminal angioplasty of artery of lower limb
Topology extension	XCA3	Left
<b>Stem code</b>	<b>IFA.LH.AF</b>	Dilatation with insertion of stent or prosthesis of artery of lower limb
Topology extension	XAC4	Right
Therapeutic product extension	XT01.24	Endovascular stent

ICHI stem codes that have associated extension codes can be performed together. The syntax (&) is used for recording an extension code with the stem code to which it is applicable. The stem codes with their associated extension code(s) are then clustered using '/'.

# Example 7: Routine vaccination

## ICHI stem code: DTB.DB.AE

The screenshot displays the ICHI Beta-2 2019 interface. At the top, a search bar contains the term 'vaccination'. Below the search bar, a dropdown menu shows two results: 'DTB.DB.AC - Oral immunisation' and 'DTB.DB.AE - Percutaneous administration of immunological agent'. The second result is highlighted in yellow, with a green arrow pointing to it. On the left side, a tree view of interventions is shown, with 'DT - Functions of haematopoietic and reticuloendothelial system' selected. On the right side, a table provides details for the selected ICHI code, DTB.DB.AE.

ICHI code	<b>DTB.DB.AE</b>
Target	DTB - Immunological system function
Action	DB - Application of substance
Means	AE - Percutaneous
ICHI descriptor	<b>Percutaneous administration of immunological agent</b>
Definition	
Inclusion Terms	Immunotherapy via injection; Vaccination, NOS; Vaccine injection
Includes Notes	
Code also	
Excludes Notes	oral immunisation (DTB.DB.AC); intravenous immunotherapy (DTB.DB.AF)

# Example 8: Blood pressure measurement

## ICHI stem code: ITA.AB.AF

The screenshot shows the ICHI Beta-2 2019 interface. A search for 'blood pressure' has been performed, resulting in a list of stem codes. The code ITA.AB.AF, 'Measurement of blood pressure', is highlighted in yellow. A green arrow points to this code in the search results. Another green arrow points to the same code in the detailed view on the right. The detailed view shows the following information:

code	ITA.AB.AF
et	ITA - Blood pressure functions
n	AB - Measurement
is	AF - Percutaneous transluminal
descriptor	Measurement of blood pressure
ition	Quantitative determination of characteristics of blood pressure, which results in a continuous variable
Inclusion Terms	
Includes Notes	
Code also	
Excludes Notes	blood pressure monitoring (ITA.AI.AF)



# Where to find functioning interventions

Functioning interventions are found in all four sections of ICHI. They include interventions that target:

- Body functions
- Activities and participation domains
- Environment
- Health-related behaviours



A screenshot of the ICHI Beta-2 2019 website. The header is red with the ICHI logo, "Beta-2 2019", a search bar, and a dropdown menu. Below the header is a grey bar with "ICHI Beta-2 2019". A white box contains a dropdown menu labeled "Interventions" with four options: "1 - Interventions on Body Systems and Functions", "2 - Interventions on Activities and Participation Domains", "3 - Interventions on the Environment", and "4 - Interventions on Health-related Behaviours". A green arrow points to the fourth option.

# Searching for functioning intervention codes in ICHI

- Type search terms into the search box, *or*
- Browse by Target, Action or Means
- Familiarise yourself with the Targets, Actions and Means most applicable for functioning interventions

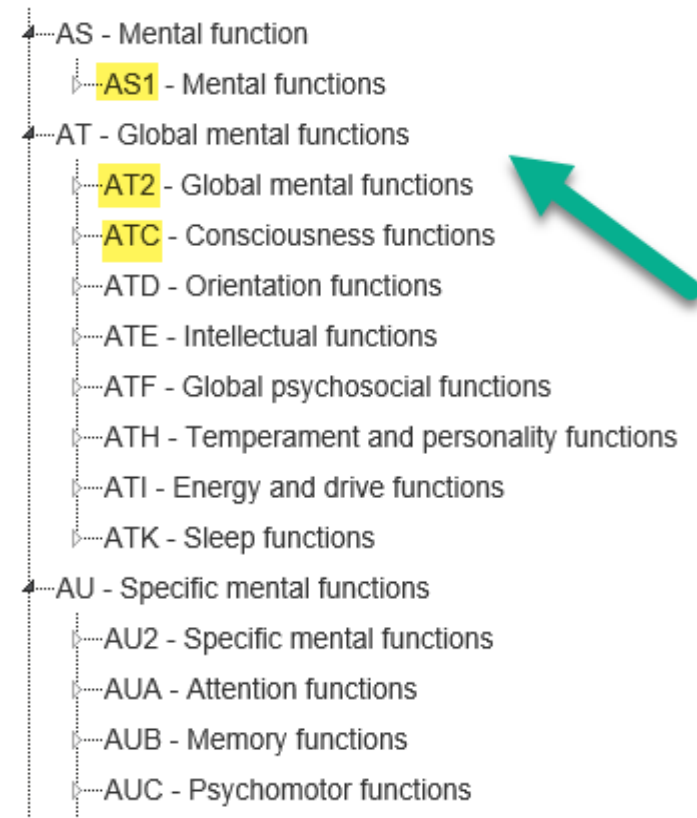
The screenshot displays the ICHI Beta-2 2019 web interface. At the top, there is a red header with the ICHI logo, the text 'Beta-2 2019', a yellow search box, and a dropdown menu labeled 'ICHI'. A green arrow points to the search box. Below the header, there is a grey bar with a folder icon and the text 'ICHI Beta-2 2019'. Underneath, there is a dropdown menu labeled 'Interventions' with a downward arrow. Below this menu, there is a list of four categories: '1 - Interventions on Body Systems and Functions', '2 - Interventions on Activities and Participation Domains', '3 - Interventions on the Environment', and '4 - Interventions on Health-related Behaviours'. Below this list, there is another grey bar with a folder icon and the text 'ICHI Beta-2 2019'. Underneath, there is a list of intervention codes: 'PC - Massage', 'PD - Stretch', 'PG - Assisting or leading exercise', and 'PH - Training'. The 'PH - Training' item is highlighted in yellow, and a green arrow points to it. Below 'PH - Training', there is a list of sub-codes: 'AS1.PH.ZZ - Training for mental functions', 'AT2.PH.ZZ - Training for global mental functions', 'ATD.PH.ZZ - Training for orientation functions', 'ATE.PH.ZZ - Training for intellectual functions', 'ATF.PH.ZZ - Training for global psychosocial functions', 'ATH.PH.ZZ - Training for temperament and personality', 'ATI.PH.ZZ - Training for energy and drive functions', 'ATK.PH.ZZ - Training for sleep functions', 'AU2.PH.ZZ - Training for specific mental functions', 'AUA.PH.ZZ - Training for attention functions', and 'AUB.PH.ZZ - Training for memory'.

# Hierarchical structure of ICHI Targets

Categories from the WHO *International Classification of Functioning, Disability and Health* (ICF) are used as Target categories in ICHI

These Targets are hierarchically nested:


- *ICF chapter-level* Target codes have two letters followed by the numeral '1'
- *ICF block-level* Target codes have two letters followed by the numeral '2'
- *ICF 3-digit* Target codes have three letters



# ICHI Targets based on ICF categories

Click on the 'Mapping ICF' link to see the definition of the ICF category in the online ICF Browser

ICHI code	<b>ATD.AC.ZZ</b>
Target	<b>ATD</b> - Orientation functions
Action	<b>AC</b> - Test
Means	<b>ZZ</b> - Other and unspecified means
ICHI descriptor	<b>Test of orientation functions</b>
Definition	Using a questionnaire, rating scale or other instrument to test functions of time, to place, to self, to others, to objects and to space
Inclusion Terms	NAB Orientation test (Stern and White); Neuropsychological Assessment Battery Orientation test



Target	<b>ATD</b>
Title	Orientation functions
Definition	
Incl	
Excl	
Mapping ICF	<b>b114</b>

# Example 9: Transcutaneous Electrostimulation (TENS) for pain

## ICHI stem code: AXA.SC.BP

The screenshot displays the ICHI Beta-2 2019 interface. At the top, a search bar contains the text 'stimulation for pain'. Below the search bar, a dropdown menu shows the selected ICHI code: 'AXA.SC.BP - Electrical stimulation for pain'. The main content area is divided into two sections. On the left, a tree view under 'Interventions' shows the hierarchy: '1 - Interventions on Body Systems and Functions' > '01 - Interventions on the Nervous System and Mental Functions' > 'AX - Pain'. On the right, a table provides details for the ICHI code AXA.SC.BP.

ICHI code	AXA.SC.BP
Target	AXA - Sensation of pain
Action	SC - Stimulation
Means	BP - Electric field
ICHI descriptor	Electrical stimulation for pain
Definition	Provoking or inciting a reaction by application of electric current in relation to sensation of unpleasant feeling indicating potential or actual damage to some body structure
Inclusion Terms	Transcutaneous electrical nerve stimulation [TENS], [TNS] for pain
Includes Notes	
Code also	
Excludes Notes	

# Example 10: Skills training in preparing meals

## ICHI stem code: SOA.PH.ZZ

The screenshot shows the ICHI Beta-2 2019 interface. At the top, there is a search bar with 'training in preparing' and a dropdown menu showing 'SOA.PH.ZZ - Training in preparing meals' selected. Below the search bar, there is a navigation menu with 'Interventions' expanded, showing a tree structure of categories. The 'SOA.PH.ZZ' descriptor is highlighted in yellow, and a green arrow points to it. To the right, a table displays the details for the selected descriptor, with several rows highlighted in yellow and green arrows pointing to them.

ICHI code	SOA.PH.ZZ
Target	SOA - Preparing meals
Action	PH - Training
Means	ZZ - Other and unspecified means
ICHI descriptor	Training in preparing meals
Definition	Teaching, enhancing or developing skills - to plan, organise, cook and serve simple and complex meals for oneself and others - through practice
Inclusion Terms	
Includes Notes	
Code also	
Excludes Notes	

# Example 11: Family counselling

## ICHI Code: SSJ.PP.ZZ

The screenshot shows the ICHI Beta-2 2019 interface. A search bar at the top contains the text 'lationship counselling| x' and 'ICHI'. A dropdown menu is open, displaying a list of ICHI codes and their descriptions. The code 'SSJ.PP.ZZ - Counselling for family relationships' is highlighted in yellow, with a green arrow pointing to it. Below the dropdown, a table displays the details for this code, with several cells highlighted in yellow and green arrows pointing to them.

code	SSJ.PP.ZZ
et	SSJ - Family relationships
n	PP - Counselling
is	ZZ - Other and unspecified means
descriptor	Counselling for family relationships
ition	Providing therapeutic and/or supportive communication in relation to creating and maintaining kinship relationships
sion Terms	
es Notes	
also	
des Notes	counselling for intimate relationships (SSM.PP.ZZ)

Using '/' to represent interventions performed together

When more than one ICHI code is needed to describe a functioning intervention, multiple codes can be recorded separated by '/' (slash)

*e.g., Training in eating and drinking*

**SMF.PH.ZZ/SMG.PH.ZZ**

SMF.PH.ZZ Training in eating

SMG.PH.ZZ Training in drinking



Using ‘+’ to represent a package of interventions

The ‘+’ syntax can be used to describe a package of functioning interventions, such as a rehabilitation treatment package

e.g., Prescription and training in use of assistive or adaptive device, aid or equipment for communication

**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

# Use of 'assistive products' extension codes

- Interventions involving assistive products are in the Environment section of ICHI
- The 'Assistive products' extension codes can be used to record the type of assistive product

*e.g., Prescription of wheelchair (manual)*

<b>ICHI Code</b>	<b>UAE.TI.ZZ&amp;XP245.10</b>	
<b>Stem code</b>	<b>UAE.TI.ZZ</b>	Prescription of products and technology for personal indoor and outdoor mobility and transportation
Assistive products	XP245.10	Manual wheelchairs, other and unspecified

# Public health interventions in ICHI

- All types of public health interventions are covered
- Combinations of ICHI codes can be used to describe multi-component interventions



# Targets for public health interventions

## *Examples:*

UAB	Food safety and security
UBL	Indoor air quality
UBQ	Animals as vectors of disease
VAA	Alcohol use behaviours
VBB	Family and partner violence behaviours
VCB	Workplace safety behaviours
VEB	Physical activity behaviours
VFS	Health literacy

# Actions for public health interventions

## *Examples:*

AA	Assessment
PM	Education
RF	Providing opportunities for participation
TM	Environment modification
VE	Infection control measures
WC	Restrictions on the sale or distribution of products
WG	Applying incentives
WJ	Policy change

# Means for public health interventions

## *Examples:*

QD	Enactment
QE	Enforcement
QF	Economic instruments
ZZ	Other and unspecified means

The Means category 'ZZ' is used for many public health interventions in ICHI

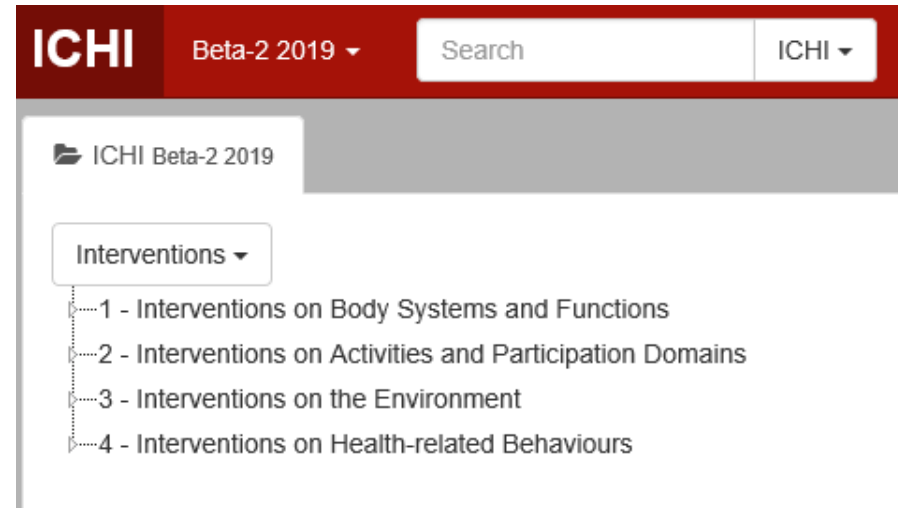
# Where to find public health interventions

There is no separate public health section within ICHI

Most public health interventions are found in:

- **Section 3** Interventions on the Environment, and
- **Section 4** Interventions on Health-related Behaviours

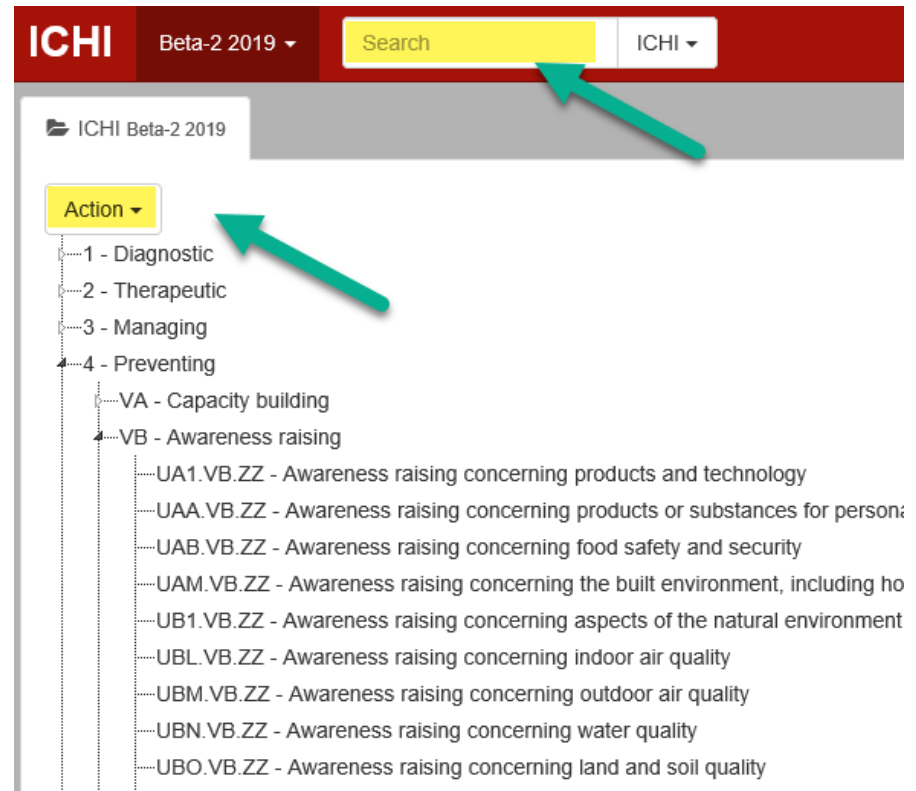
However, codes from elsewhere in ICHI may be used to describe public health interventions



# Searching for public health intervention codes in ICHI

- Type search terms into the search box, *or*
- Browse by Target, Action or Means

Familiarise yourself with the Targets, Actions and Means most applicable for describing public health interventions





# Example 12: Implementing a policy to limit air pollution in residential areas

## ICHI stem code: UBM:WJ.ZZ

The screenshot displays the ICHI Beta-2 2019 interface. At the top, there is a search bar with the text 'ge outdoor air quality' and a dropdown menu showing 'UBM.WJ.ZZ - Policy change concerning outdoor air quality'. Below the search bar, there are tabs for 'descriptor' and 'definition'. On the left side, there is a navigation menu with a tree structure under 'Interventions'. The right side features a table with the following data:

ICHI code	UBM.WJ.ZZ
Target	UBM - Outdoor air quality
Action	WJ - Policy change
Means	ZZ - Other and unspecified means
ICHI descriptor	Policy change concerning outdoor air quality
Definition	Developing new or modifying existing policies in relation to air quality outside buildings or enclosed areas
Inclusion Terms	
Includes Notes	
Code also	
Excludes Notes	

# Example 13: Enforcing bans on alcohol advertising at sporting events

## ICHI stem code: VAA.WD.QE

The screenshot displays the ICHI Beta-2 2019 interface. The top navigation bar shows 'ICHI Beta-2 2019' and a search bar containing 'alcoholic beverages enforcement'. The left sidebar shows a tree view of interventions, with 'Interventions on Health' expanded to 'Substance-related' and 'Alcohol use behaviours'. The main content area shows a table of codes and their definitions. The code VAA.WD.QE is highlighted in yellow, and two green arrows point to it from the left and right.

Code	Definition
UA1.WD.QE	Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages—enforcement of legislation or regulations
UA1.WD.ZZ	Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages
<b>VAA.WD.QE</b>	<b>Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages—enforcement of legislation or regulations</b>
VAA.WD.ZZ	Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages
VEA.WD.QE	Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages—enforcement of legislation or regulations
VEA.WD.ZZ	Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages

The table also includes a section for 'VAA.WD.QE' with the following details:

- VAA.WD.QE**
- VAA - Alcohol use behaviours
- WD - Restrictions on advertising, promotion or sponsorship of products
- QE - Enforcement
- Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages—enforcement of legislation or regulations**
- Enforcing legislation or regulations to limit advertising, promotion or sponsorship of alcoholic beverages
- Inclusion Terms
- Includes Notes
- Code also
- Excludes Notes: enforcing requirements concerning packaging and display of alcoholic beverages (VAA.WC.QE)

Using '/' to represent interventions performed together

When more than one ICHI code is needed to describe a public health intervention, multiple codes can be recorded separated by '/' (slash)

*e.g., Educational theatre performance about the importance of healthy eating and physical activity*

**VEA.PM.ZZ/VEB.PM.ZZ**

VEA.PM.ZZ Education to influence eating behaviours

VEB.PM.ZZ Education to influence physical activity behaviours

Using '+' to represent a package of interventions

To describe a multi-component intervention, multiple codes are recorded separated by '+' (plus)

*e.g., Intervention to promote responsible drinking by young nightclub patrons by (i) making physical changes to the venue, and (ii) providing rewards for drinking responsibly*

**VAA.TM.ZZ+VAA.WG.ZZ**

VAA.TM.ZZ Environment modification to influence alcohol use behaviours

VAA.WG.ZZ Non-economic incentives to encourage improved health behaviours relating to alcohol use





For further information on the use of ICHI Beta-2 2019, select the relevant heading on the right side of the screen of the ICHI homepage.


## ICHI Beta-2 2019

Welcome to the browser for the International Classification of Health Interventions Beta-2 2019.

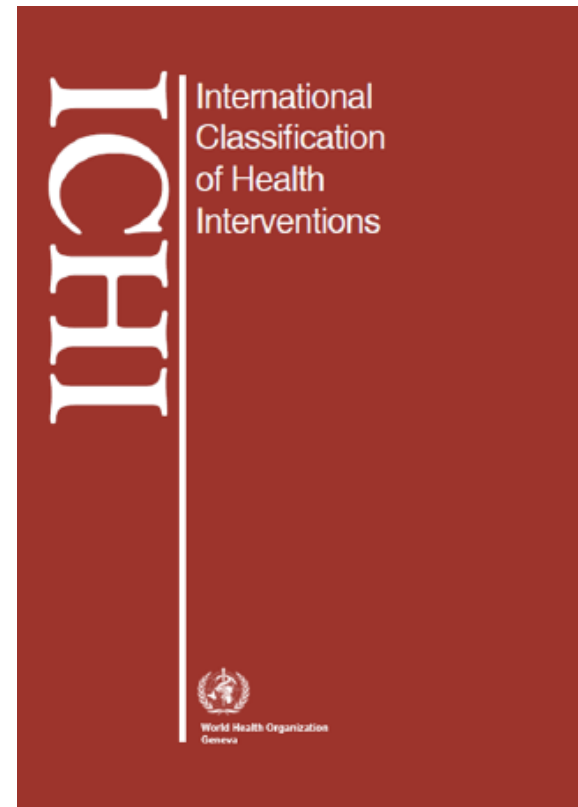
You can browse the ICHI proposed content here.

Here you can find further information:

-  [ICHI Beta-2 2019](#)
-  [Acknowledgements](#)
-  [Introduction](#)
-  [Draft ICHI Guidelines](#)

 [ICHI Platform User Guide](#)

# 保健・医療関連行為 に関する国際分類 (ICHI) の紹介



ICHIからのコンテンツの取り込み  
保健・医療関連行為に関する国際分類トレーニングマニュアル  
ICHIプラットフォームユーザガイド

# 目的

- ✓ なぜICHIが開発されたのかとその目的を理解する
- ✓ ICHIコードの構造を理解する - 3つの軸（Target、Action、Means）、Stem code、Extension codes
- ✓ 複数のStem codeを組み合わせたたり（/）、Stem codeにExtension codes（&）を組み合わせたときに用いる、正しい構文、および組み合わせた内線コードをグループ化する方法を理解する
- ✓ ICHIアーキテクチャの理解を深める
- ✓ ICHIプラットフォームの閲覧方法について理解を深める。

Background

背景



# ICHIとは？

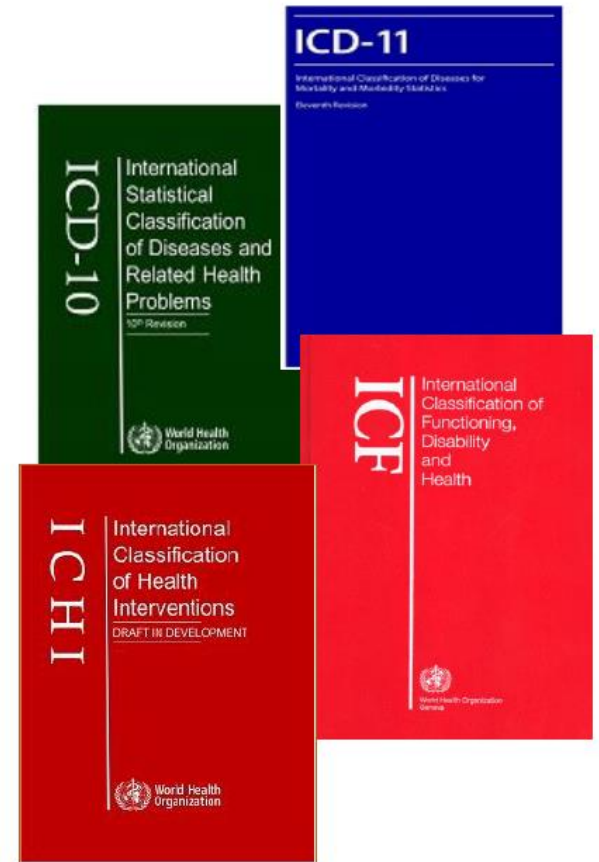
ICHIは、世界保健機関（WHO）およびWHO国際分類ファミリー（WHO-FIC）によって開発された保健・医療関連行為に関する国際分類です。

2007年以來の開発において、ICHIは保健・医療関連行為を記述し、報告しそして分析するための共通のツールを提供することを目指しています。

目的は、次のような多数のユースケースを満たすことです。

- 国際比較
- 国内での用途：
  - それがない国に分類を提供する。
  - 国別分類をICHIと一致させたい国
  - 国内分類へのICHIの構成要素の追加
  - 国内分類を再開発するための基礎
- 患者の安全性と質
- 保健システムのパフォーマンス（資金調達を含む）

- ICHIはWHO国際分類ファミリーのメンバーです。
- ICHIは保健システムのすべての分野を網羅しています。
  - 急性期ケア
  - メンタルヘルス
  - プライマリケア
  - 保健医療
  - 機能的な援助
  - リハビリテーション
  - 予防
  - 公衆衛生
  - 伝統医学



## 保健・医療関連行為の定義

保健・医療関連行為とは、健康、機能、または健康状態を評価、改善、維持、促進、または直すことを目的としている人または集団のために、またはそれらに代わって行われる行為です。

出典：ICHI -保健・医療関連行為に関する国際分類トレーニングマニュアル

ICHI Code Structure

**ICHI の構造**

## Stem Code

(日本語にすると「基幹コード」ですが、  
以後 Stem code とします)

各カテゴリは7桁の文字、数字であらかじめ調整されたコードで表され、これは「Stem code」と呼ばれます。


各ICHIのStem codeは、3つの軸であらわされています。

- Target – Actionが実行されるエンティティ、実態
- Action – 何を行うか Targetに対して行う内容
- Means - Actionが実行されるプロセスと方法

それぞれの軸は、記述カテゴリのコード化リストで構成されています。

各Stem codeは、3つの軸カテゴリを「.」（ドット）で連結することで、その行為に対して固有のコードを表しています。

- Targetは3桁
- Actionは2桁
- Means は2桁

ICHI code	DAA.JK.AC	
Target	DAA - Palatine or pharyngeal tonsil	DAA : 扁桃腺
Action	JK - Excision, total	JK : 全切除
Means	AC - Per Orifice	AC : 経孔的
ICHI descriptor	Tonsillectomy	扁桃摘出術

ICHIの定義（タイトル）は、軸カテゴリを反映することがありますし（例：DAA.JD.ACは「扁桃腺からの異物の除去」です）、一方で一般的な臨床用語が付けられることもあります（例えばDAA.JK.AC「扁桃摘出術」）。

ICHIプラットフォーム (<https://mitel.dimi.uniud.it/ichi/>) を開いてください。

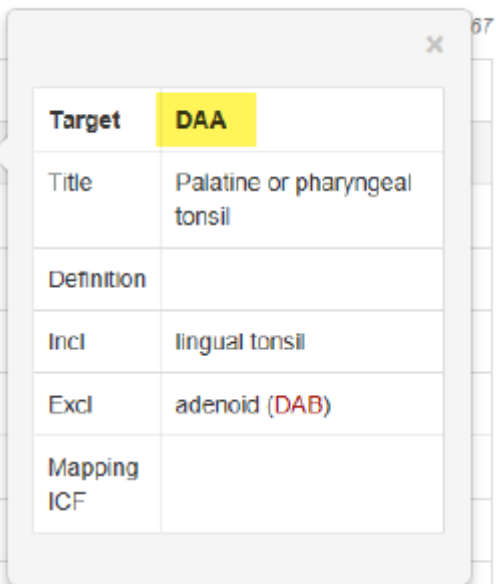
検索メニュー：白地にSearchと書かれているところに



「Tonsillectomy」を入力し、一番上の「DAA.JK.AC - Tonsillectomy」をクリックしてください。右のウィンドウに「DAA.JK.AC」が表示されます

各軸（例えばTargetに記載されている赤字で書かれている「DAA」をクリックすると、ポップアップウィンドウが表示され、選択した軸の内容が表示されます。

ICHI code	DAA.JK.AC
Target	DAA - Palatine or pharyngeal tonsil
Action	JK - Excision, total
Means	AC - Per Orifice
ICHI descriptor	Tonsillectomy
Definition	
Inclusion Terms	Excision of tonsil tag
Includes Notes	
Code also	adenoidectomy if performed (DAB.JK.AC)
Excludes Notes	destruction of tonsil (DAA.GA.AC)



Target	DAA
Title	Palatine or pharyngeal tonsil
Definition	
Incl	lingual tonsil
Excl	adenoid (DAB)
Mapping ICF	

以下の情報フィールドは、適切なStem codeの選択に役立ちます。

- **Definition** : 定義 – 医療行為を説明します
- **Inclusion terms** : 包含用語 - その特定のStem codeに分類されるべき用語をリストします (同義語を含むこともあります)。リストは完全ではありません。
- **Includes notes** : 注釈を含む - Stem codeの範囲をさらに定義または明確化する (例: DAA.JB.AC扁桃腺または扁桃周囲組織のドレナージには、「扁桃周囲膿瘍の吸引」が含まれる)。
- **Code also** : 類似コード (行われた場合に) - これとは別の関連する医療行為が行われたときに、このような追加コードがあることをユーザーにアドバイスします。 (例: 咽頭扁桃肥大症に対するアデノイド切除術が行われる場合adenoidectomy if performed (DAB.JK.AC)があります)
- **Excludes notes** : 含まれない用語 (選択してはいけない用語) - ICHIの他の場所に分類されている具体的な医療行為をリストします。




Extension Codes

拡張コード

## Extension codes

- (日本語では「拡張コード」ですが、Extension codesとします)
- 必要に応じてStem codeに詳細を追加するためのExtension codesが提供されています。
  - Extension codesには、数量詞、トポロジー、追加の解剖学的構造、医薬品、および補助医療製品が含まれます。

Extension code	XCA3
Title	Left
Definition	Left hand side of body or structure

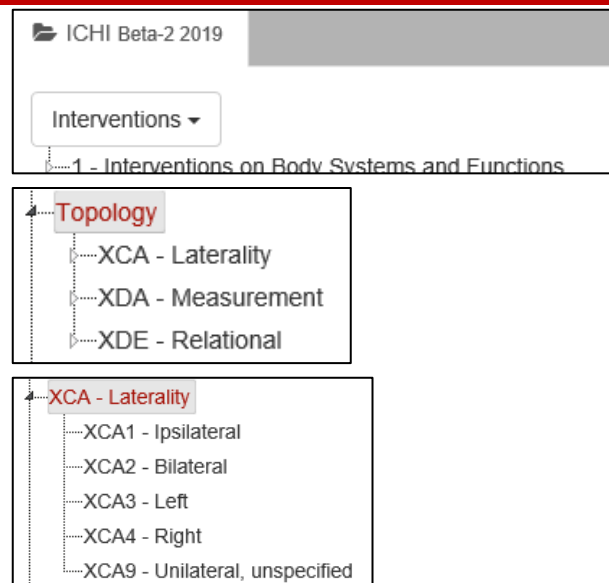


① ICHIプラットフォームの左上の「interventions」の右に「▼」をクリックし「Extension codes」を選択

② 「Topology」をダブルクリックするか、その左にある罫線の交差しているところをクリック。

③ 「XCA - Laterality」をダブルクリックするか、その左の罫線の交差しているところをクリック

④ 「XCA3 - Left」をクリックすると、右のウィンドウに「XCA3」が表示されます



ICHU Beta-2 2019

Interventions ▼

1 - Interventions on Body Systems and Functions

Topology

- XCA - Laterality
- XDA - Measurement
- XDE - Relational

XCA - Laterality

- XCA1 - Ipsilateral
- XCA2 - Bilateral
- XCA3 - Left
- XCA4 - Right
- XCA9 - Unilateral, unspecified

## ICHIで使用される構文

- Extension codesを使用する場合、最初にICHI Stem codeを示し、その後に「&」をおき、その後にExtension codesを続けます。
- 複数のExtension codesを使用する場合、「&」をおいてその後にExtension codesを続けます。
- 関連するExtension codesは、（ ）を使用してグループ化します。
- 一緒に行われた医療行為については、以下のように示します。
  - 医療行為1 / 医療行為2
- 医療行為のパッケージは医療行為の間に「+」を使って示します。

次のスライドで、ICHIコード割り当て例を示します。  
(具体例については次のスライドをご覧ください)

## ICHIコード割り当て例（その1）

ICHIコード（Extension codesあり/なしのStem code）を割り当てる場合、以下の組み合わせを使用します。

- 1つのStem Codeのみ - 例：神経学的評価  
「AZZ.AA.AH」だけを割り当てる
- Stem CodeとExtension codes - 例：膝の右半月板形成術  
「MMD.ML.AA & XCA4」
  - Stem Code - MMD.ML.AA 膝半月板形成術
  - Extension codes : Topology（左右を選択するためのトポロジー） - XCA4 Right
  - これを「&」で連結する
- 複数のStem Code - 例：胃瘻造設術を伴った食道部分切除術  
「KBA.JJ.AA / KBF.LI.AA」
  - Stem Code - KBA.JJ.AA（食道部分切除術）
  - Stem Code - KBF.LI.AA（胃バイパス術）
  - これを「/」で連結する

## ICHIコード割り当て例（その2）

- 複数のStem CodeとExtension codes - 例：手と指の関節の可動性と手の筋肉の運動のためのアシストと指導スキル

「MTB.PG.EC & XB11.5 & XXMGJ / MUB.PG.EA & XB11.3 & XXMGM」

- Stem Code - MTB.PG.EC 関節機能の可動性のための運動スキルの支援および指導
- Extension codes : Additional descriptive information（付加的な記述、情報） - XB11.5 Movement techniques（可動テクニック）
- Extension codes : Additional target（追加Target） - XXMGJ Joint of hand and fingers（手と指の関節）
- これを「&」で連結する

- Stem Code - MUB.PG.EA 筋力機能のためのアシストおよび指導筋力トレーニング
- Extension codes : Additional descriptive information（付加的な記述、情報） - XB11.3 Strength techniques（ストレッチ）
- Extension codes : Additional target（追加Target） - XXMGM Muscle of hand（手の筋肉）
- これを「&」で連結する

以上の2つのコードを「/」で連結する

すでに皆様方は開いていると思いますが、  
ICHIプラットフォーム  
(<https://mitel.dimi.uniud.it/ichi/>) を開いて、  
ICHI Beta-2 2019版をご覧ください。



## ICHI Beta-2 2019

Let's take a look at the ICHI Platform

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

# ICHI Beta-2 2019プラットフォーム

- ✓ 登録せずにプラットフォームにアクセスできます
- ✓ 登録ユーザーは次のことができます。
  1. コンテンツを強化するために、分類にコメントし、変更を提案することにより、ICHIの開発に貢献する
  2. 他のユーザーのコメントと提案を読む

たとえばDAA.JK.ACについてコメントしたい場合「Sign in」して行うことができます。「Comments」をクリックするとこれまでのコメントが閲覧できます。

Info ▾ Sign in ▾

Email address

Password

[Forgot the password?](#)

Sign in

Create an account? [Register](#)

ICHI Beta-2 2019 DAA.JK.AC ICHI

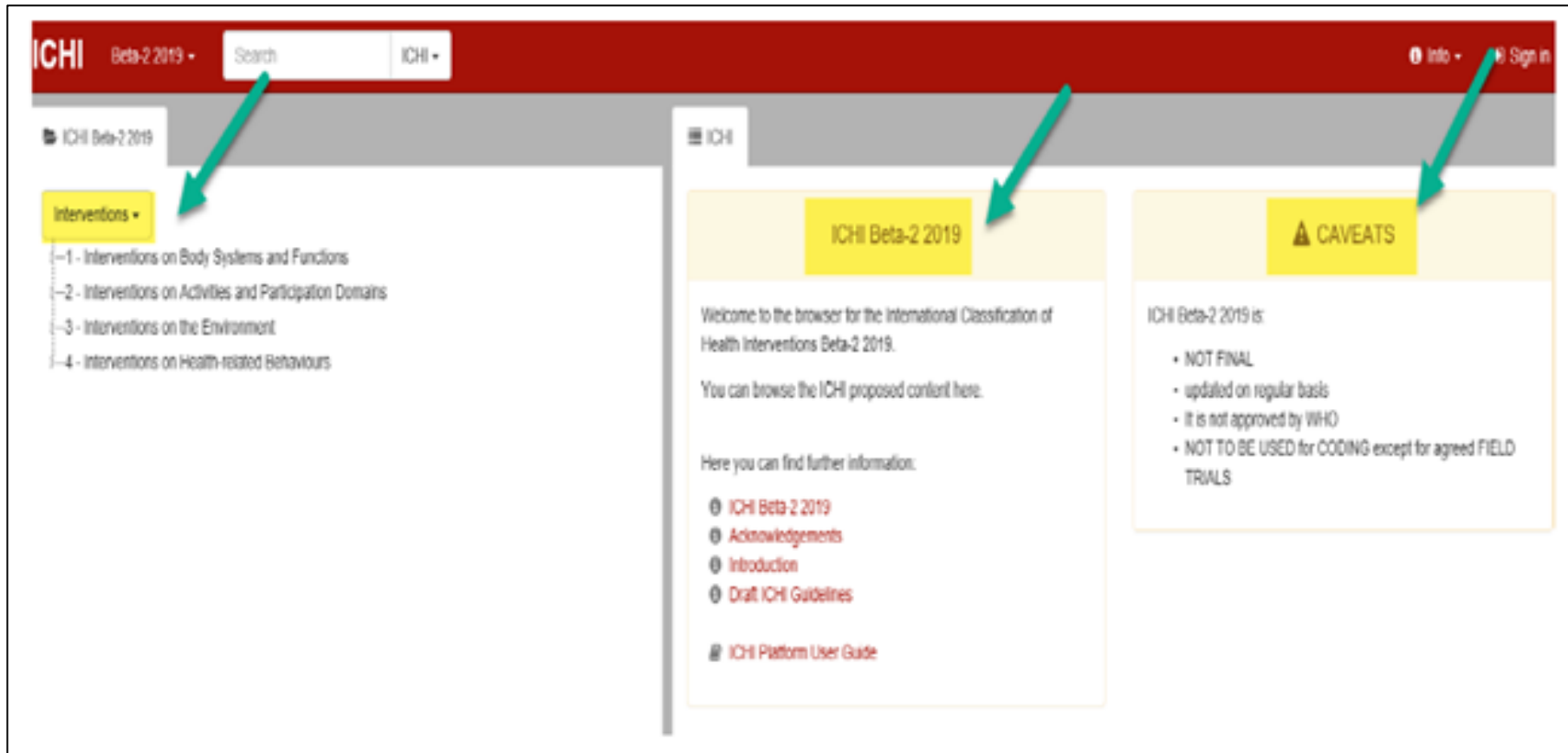
ICHI Beta-2 2019

- DAA.JJ.AC - Excision of lingual tonsil
- DAA.JK.AC - Tonsillectomy**
- DAA.LA.AC - Control of haemorrhage after to
- DAB.AD.AC - Biopsy of adenoids
- DAB.AD.AE - Percutaneous biopsy of adeno
- DAB.JD.AC - Removal of foreign body from a
- DAB.JI.AC - Excision of lesion of adenoid
- DAB.JK.AC - Adenoidectomy
- DAB.LA.AC - Control of haemorrhage after ac
- DB - Thymus

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

# ICHIホームページ

ICHIホームページでは、左側にブラウジング用の4つのセクションが表示され、右側にICHIと警告に関する一般情報が表示されます。



関連リンクをクリックすると、ICHIの詳細情報にアクセスできます。



## ICHIセクション

ICHIの広い範囲は、保健システムのすべてのセクターにわたって提供される保健・医療関連行為をカバーします。

ICHIには27の章があります。

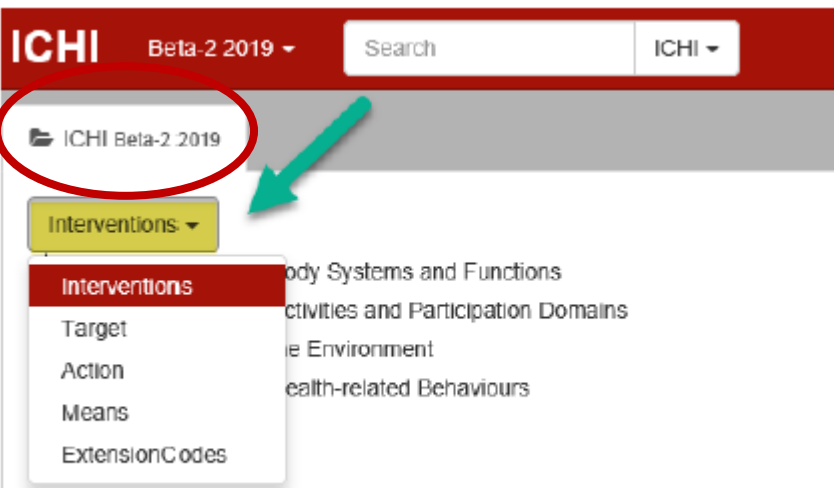
Chapters	Interventions on...
1 - 12	Body Systems and Functions
13 - 21	Activities and Participation Domain
22 - 26	Environment
27	Health-related Behaviours

身体の部位と身体機能  
活動と関与、参加  
環境  
健康関連の行動

注：公衆衛生の保健・医療関連行為は、一般には22～27章のTargetにあります

# ICHIコンポーネント

- ICHIプラットフォームを使用すると、保健・医療関連行為のさまざまなコンポーネントを閲覧できます。 Target; Action; Means; Extension Codes
- 見出しボックス（画面の左側に表示される「Intervention」）をクリックすると、以下に示すように、分類のさまざまなコンポーネントが表示され、選択することができます。



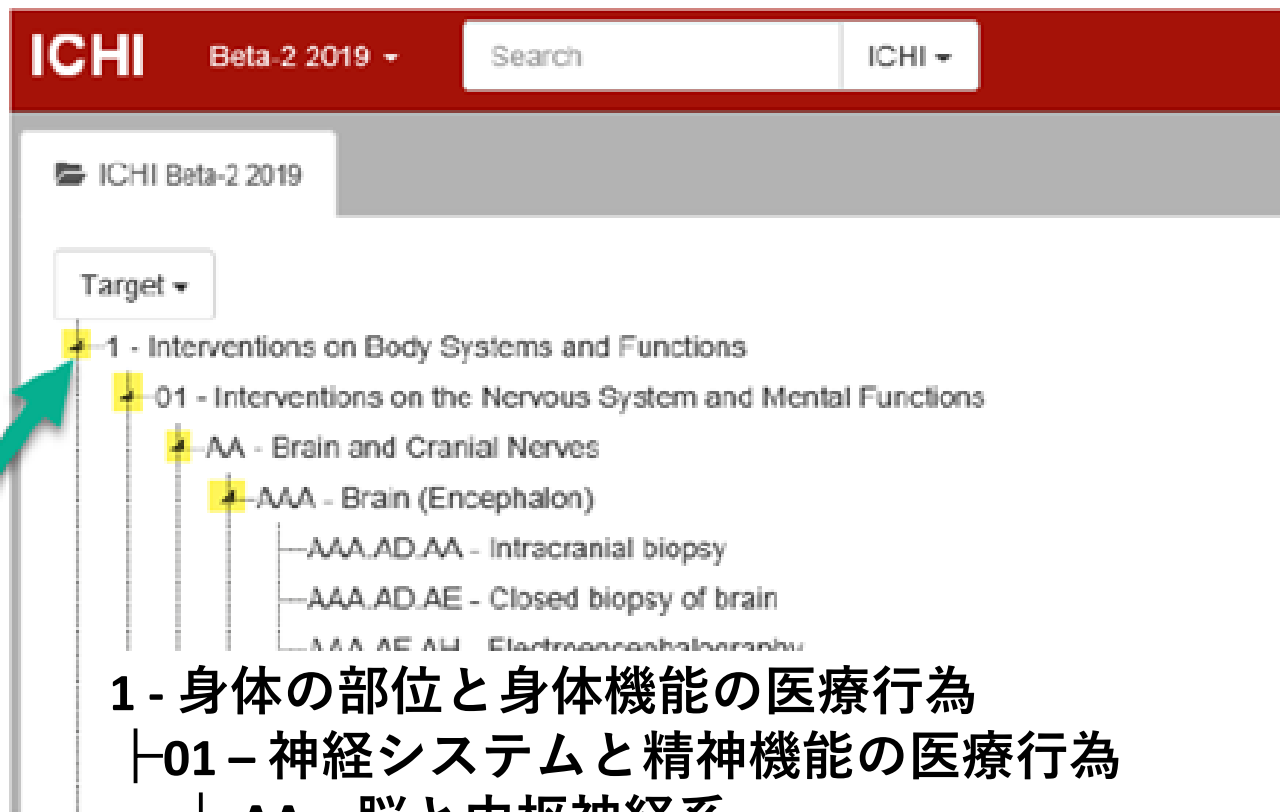
The screenshot shows the ICHI Beta-2 2019 interface. At the top, there is a red header with the ICHI logo, the version 'Beta-2 2019', a search bar, and a dropdown menu for 'ICHI'. Below the header, a folder icon labeled 'ICHI Beta-2 2019' is circled in red. A green arrow points from this folder to a yellow 'Interventions' dropdown menu. This menu is open, showing a list of options: 'Interventions', 'Target', 'Action', 'Means', and 'ExtensionCodes'. To the left of the screenshot, a red-bordered box contains a simplified version of the 'Interventions' dropdown menu with the text '「Interventions」をクリックすると' (Clicking on 'Interventions') and 'が表示される' (is displayed) below it.

「Interventions」をクリックすると

が表示される

# ICHIコンポーネント

コンポーネントを選択したら（今回はTargetを選択）、アイテムの左側にある小さな三角形（線が交差するところにある小さな▷）をクリックすることで展開できます。



1 - 身体の部位と身体機能の医療行為

└01 - 神経システムと精神機能の医療行為

└AA - 脳と中枢神経系

└AAA - 脳

└AAA.AD.AA - Intracranial biopsy 脳生検

# ICHIコンポーネント

ICHIをナビゲートするとき、画面の左側にあるエンティティをクリックすると（今回は「AAA.AD.AA - Intracranial biopsy」をクリック）、そのエンティティの詳細が画面右側に表示されます。

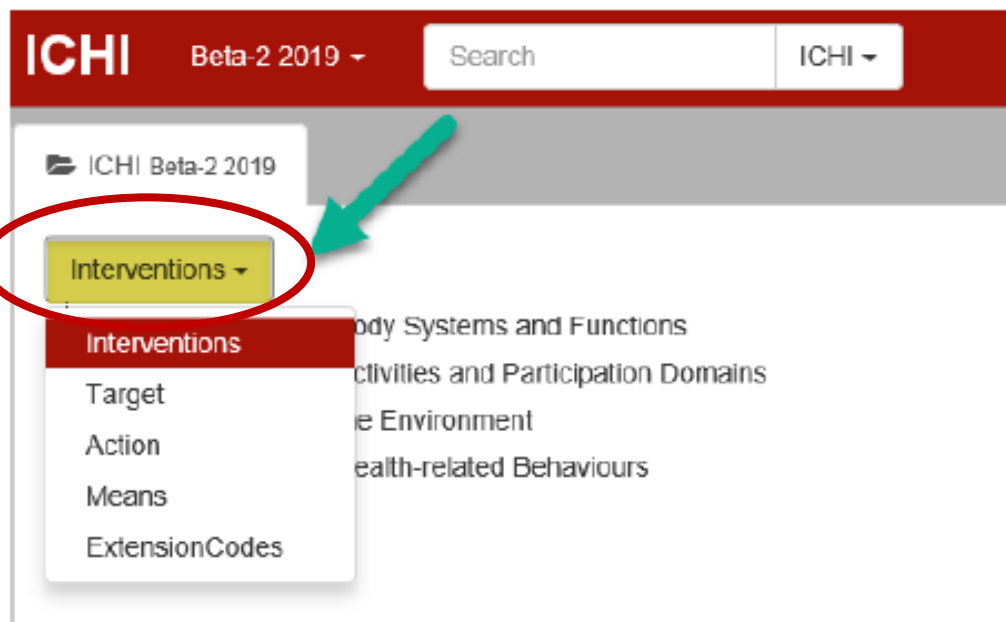
The screenshot displays the ICHI web application interface. The top navigation bar includes the ICHI logo, version 'Beta-2 2019', a search box, and a dropdown menu. The left sidebar shows a hierarchical tree of entities, with 'AAA.AD.AA - Intracranial biopsy' selected and highlighted in yellow. A green arrow points to this selected item. The right sidebar shows the details for the selected entity, including its ICHI code, target, action, means, descriptor, definition, inclusion terms, and notes.

ICHI code	AAA.AD.AA
Target	AAA - Brain (Encephalon)
Action	AD - Biopsy
Means	AA - Open approach
ICHI descriptor	Intracranial biopsy
Definition	
Inclusion Terms	Biopsy of choroid plexus; Open biopsy of brain; Open biopsy of brain via osteoplastic craniotomy
Includes Notes	via: burr hole approach; osteoplastic flap
Code also	
Excludes Notes	

## Extension Codes

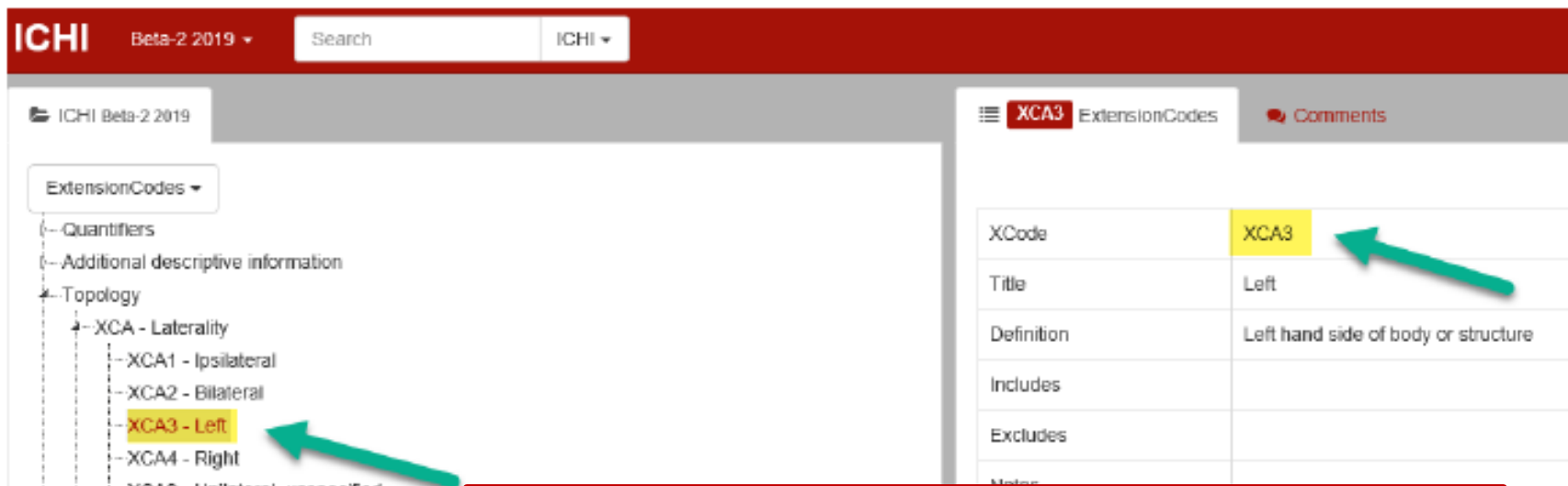
「ExtensionCodes」コンポーネントをクリックすると、利用可能なExtension codesのリストを閲覧できます。

この部分（今は「Target▼」になっているところをクリックすると再度この画面になりますので「ExtensionCodes」をクリック



## Extension Codes

「ExtensionCodes」コンポーネントをクリックし、先ほどと同様にアイテムの左側にある小さな三角形（線が交差するところにある小さな▷）をクリックすることで展開できます。



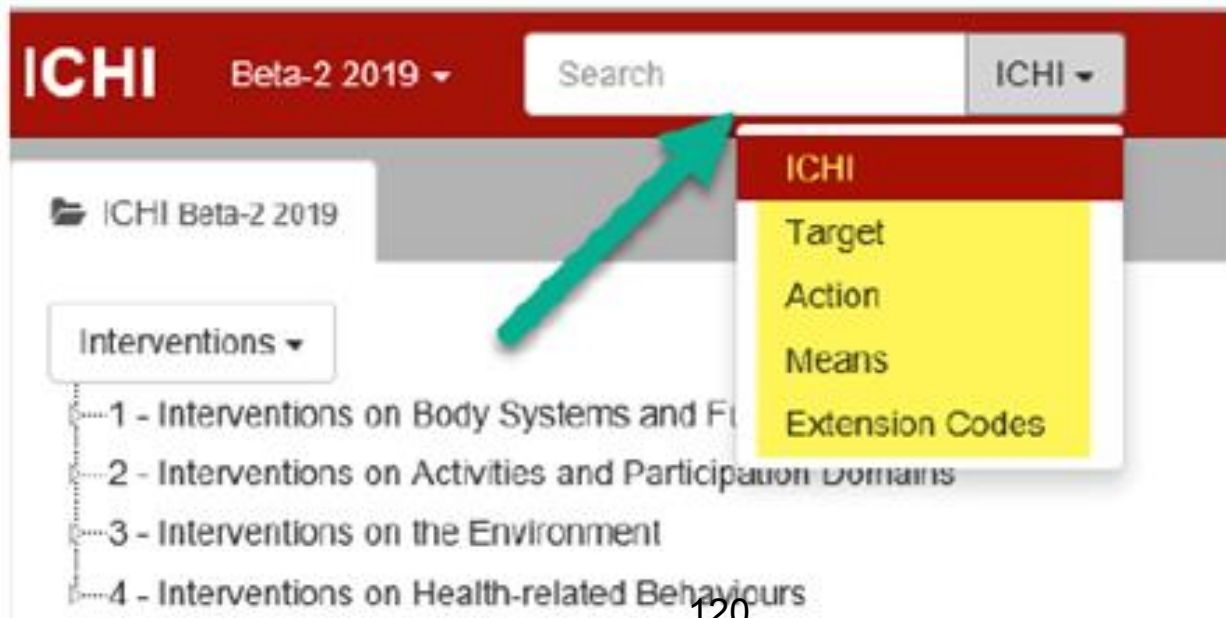
The screenshot shows the ICHI Beta-2 2019 web interface. On the left, a tree view under 'ExtensionCodes' is expanded to 'Topology' > 'XCA - Laterality' > 'XCA3 - Left'. A green arrow points to the small triangle next to 'XCA3 - Left'. On the right, a table titled 'XCA3 ExtensionCodes' displays details for 'XCA3'. A green arrow points to the 'XCA3' cell in the 'XCode' row. The table content is as follows:

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

「Topology」の左側にある小さな三角形をクリックし、さらに「XCA - Laterality」の左側にある小さな三角形をクリックし、「XCA3 - Left」をクリックすると、その詳細が右の画面に展開されます。

## クイック検索

- クイック検索（画面の上部にあります）は、ユーザーがコンポーネント内でICHIを見つけることができます。
- 用語（「tonsillectomy」など）を入力すると、その用語の検索が titles (ICHI Descriptor)、Definitions、Inclusion Terms、Includes Notes、Code Also、Excludes Notesの中で実行され、推奨結果のリストが表示されます。
- また、用語の最初の3文字（例：「ton」）または複数のパートワード用語（例：「rep kn」）を入力すると、推奨結果のリストが表示されます。



クイック検索を用いて、コンポーネントは「ICHI」を選択して「tonsillectomy」と入力しICHI Stem codeを検索してみましょう。検索結果が表示され、リスト内の「DAA.JK.AC – Tonsillectomy」をクリックすると、画面に表示されます。「Tonsillectomy扁桃摘出術」のICHI Stem code「DAA.JK.AC」の内容が示されました。

The screenshot shows the ICHI Beta-2 2019 search interface. The search bar contains 'tonsillectomy' and the dropdown menu shows 'DAA.JK.AC - Tonsillectomy' highlighted with a green arrow. The left sidebar shows a tree view of interventions, with 'DAA.JK.AC - Tonsillectomy' selected. The right pane shows the details for 'DAA.JK.AC', including its descriptor 'Tonsillectomy' and a table of inclusion terms and notes.

code	DAA.JK.AC
descriptor	Tonsillectomy
Inclusion Terms	Excision of tonsil tag
Includes Notes	
Code also	adenoidectomy if performed (DAB.JK.AC)
Excludes Notes	destruction of tonsil (DAA.GA.AC)

注意：コンポーネントを変更することでTarget、Action、Meansでも検索可能であることを確認してください。



# Telehealthテレヘルスを使用して提供される保健・医療関連行為

テレヘルスとは、情報通信技術を使用してヘルスケアを提供することです。

次のExtension codesは、提供される医療行為に遠隔医療が含まれる場合に使用します（遠隔診療を含む）

**XH01 遠隔地から提供されたアドバイスまたは支援を用いた医療行為**

**XH02 離れた場所にいる受け手へ医療行為が提供される**

**XH03 テクノロジーを介して提供される医療行為、人間のプロバイダーの直接の関与なし**

## 2つの異なる場所での遠隔医療

たとえば、患者と同一の場所にいる医師と、別の病院でロボット操作をするの医師によって手術が行われる場合、または患者と同一の場所にいる医師に対して、別の病院からアドバイスを提供されることで行われる手術の場合

- XH01は、患者がいる病院で使用
- XH02は、患者から離れた病院で使用

これにより、場所をまたいで情報が集約された場合、保健・医療関連行為の二重カウントが防止できます。

## ICDおよび/またはICFでのICHIの使用

ICHIは、ICDおよびICFに関連する場面に合わせて、これらの両方の分類と一緒に使用されるように設計されています。

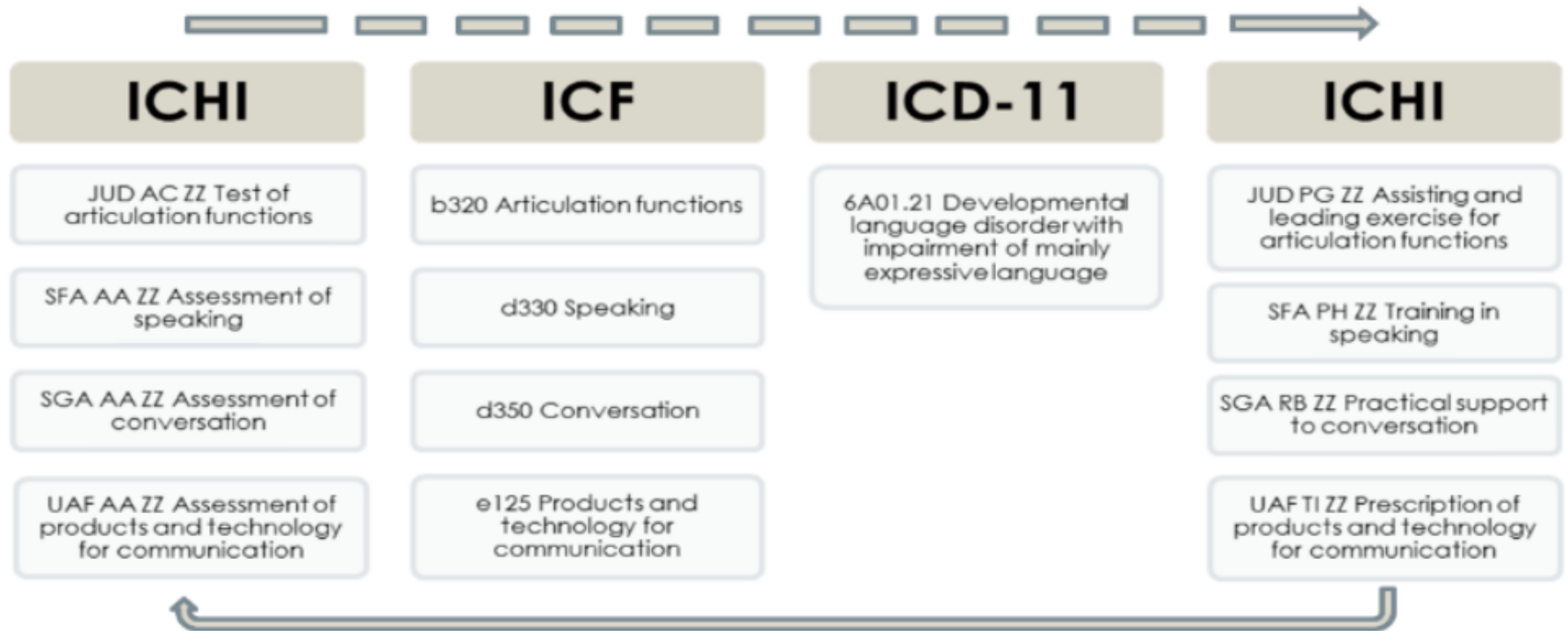
- ICHIの身体機能のTargetはICFから作られています
- いくつかのExtension codes（medicaments薬、anatomy解剖学）はICDのExtension codesと同じです

ICHI	ICF	ICD
<ul style="list-style-type: none"><li>• 調査と評価の医療行為を説明</li><li>• 目標を達成するために、計画的または実行された治療的または支持的な医療行為を記録</li><li>• フォローアップ時に、実行された調査および評価の医療行為を文書化するために再度使用</li></ul>	<ul style="list-style-type: none"><li>• 調査と評価の医療行為の結果を説明</li><li>• 合意された機能関連の目標と支援の必要性を文書化</li><li>• 治療または支援を提供した後の人の機能を説明</li></ul>	<ul style="list-style-type: none"><li>• 患者の健康状態を記録</li></ul>

保健・医療関連行為の前後で機能を比較し、機能関連の目標が達成された場合、ICHI、ICF、ICDを電子健康記録のデジタル構造化文書と一緒に使用

# ICDおよびICFでICHIを使用する

例：コミュニケーションに関連する機能制限のある患者



## 練習しましょう



ここで、以下の様々な使用例を見てみましょう

- Stem codeのみ
- 一緒に行われる複数のStem codeの場合、およびStem codeにExtension codesを付記する場合

いくつかの例について、コードの割り当てプロセスを説明します

## Examples of interventions in ICHI

**ICHI（保健・医療関連行為の国際分類）の具体例**

# Medical/Surgical interventions 内科的/外科的な 保健・医療関連行為

- すべての診断および治療を含む「Medical/Surgical interventions」は、セクション1（1 - Interventions on Body Systems and Functions）の12章の身体システムの中にあります。
- 次からのスライドで、「Medical/Surgical interventions」のコードのさまざまな例と、ICHIプラットフォームでそれらを見つける方法を示します。



# 例1： Insertion of a permanent percutaneous endoscopic gastrostomy (PEG) tube

## 永久的な経皮内視鏡的胃瘻造設術（PEG）チューブの挿入

- クイック検索を用いて、コンポーネントは「ICHI」を選択して、「gastrostomy」と入力します。検索結果は、入力された語句とICHIのコード情報と一致するものがリストの一覧に示されます。
- 検索結果から適切なICHIコードをクリックして、画面の右側に表示されるそのコード情報を確認します。  
ICHI Stem codeは「KBF.DL.AJ」です。

The screenshot shows the ICHI Beta-2 2019 search interface. The search term 'gastrostomy' is entered in the search bar. The search results list several ICHI codes, with 'KBF.DL.AJ - Percutaneous endoscopic gastrostomy' highlighted in yellow. A green arrow points to this highlighted result. The right side of the screen shows the detailed information for the selected code, also highlighted in yellow.

code	KBF.DL.AJ
at	KBF - Stomach
n	DL - Insertion of internal device
is	AJ - Combined approach, percutaneous and per orifice endoscopic
descriptor	Percutaneous endoscopic gastrostomy
dition	
ision Terms	Insertion of PEG; Percutaneous transabdominal gastrostomy



# 例2：Unplanned repair of right inguinal hernia

## 右鼠径ヘルニアの予定外の修復術（緊急手術でしょうか）

クイック検索を用いて「repair hernia」と入力します。鼠径ヘルニア修復術のICHI Stem codeを見つけます。

この例では、Extension Codesとして、Topologyトポロジーに掲載されている追加情報「right 右」、それとAdditional descriptive information追加的説明情報に掲載されている「unplanned intervention 予定外の医療行為」が必要です。画面の左側のExtension Codesコンポーネントを参照することで見つかります。Extension Codes付きのICHI Stem codeは「PAM.MK.AA & XB03.0 & XCA4」です。

The screenshot shows the ICHI search interface with 'repair hernia' entered in the search bar. The results list various hernia repair codes. A green arrow points to the entry 'PAM.MK.AA - Repair of inguinal hernia'. Another green arrow points to the 'Descriptor' field for this entry, which reads 'Repair of inguinal hernia'. The 'Extension Codes' section on the right shows 'PAM.MK.AA' with its components: 'PAM - Abdominal wall, inguinal', 'MK - Repair', and 'AA - Open approach'.

The screenshot shows the 'Extension Codes' section for 'repair hernia'. It lists various codes under 'Additional descriptive information' and 'Topology'. A green arrow points to 'XB03.0 - Unplanned intervention' under 'Additional descriptive information'. Another green arrow points to 'XCA4 - Right' under 'Topology'.

# 例3：Coronary artery bypass graft to left diagonal coronary artery and right circumflex coronary artery

## 左diagonal arteryおよび右circumflex coronary arteryへの冠動脈バイパス術

(左冠動脈のdiagonal arteryはあまり一般的でないですし、右冠動脈にcircumflex coronary arteryがあるかは詳しくわかりませんが、あるとして続けてください)

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

組み合わせたExtension codesは、丸括弧 ( ) を使用してグループ化します。たとえば、冠動脈バイパス術は左はdiagonal artery、右はcircumflex coronary arteryですので、「左」と「diagonal artery」のExtension codesは ( ) でグループ化され、「右」と「circumflex coronary artery」のExtension codesも ( ) でグループ化します。それぞれのグループは & で結合し「HIA.LI.AA&(XCA3&XA2DD2)&(XCA4&XA4YJ3)」となります。

## 例4: Total oesophagogastrectomy 食道胃全摘術

ICHI Code	KBF.JK.AA/KBA.JK.AA	
Stem code	KBF.JK.AA	Total gastrectomy 胃全摘術
Stem code	KBA.JK.AA	Total oesophagectomy 食道全摘術

複数のICHI医療行為が行われ、Stem codeのみで表される場合、最初のStem codeの後にスラッシュ「/」をおき、引き続き2番目のStem codeを書きますので、「KBF.JK.AA/KBA.JK.AA」となります。

## 例5：Laparoscopic cholecystectomy with ERCP ERCPを用いた腹腔鏡下胆嚢摘出術

ICHI Code	KCF.JK.AB KCO.BA.BB	
Stem code	KCF.JK.AB	Laparoscopic cholecystectomy 腹腔鏡下胆嚢切除術
Stem code	KCO.BA.BB	Endoscopic retrograde cholangiopancreatography ERCP

同じ日に、または異なる日に実行された2つ以上の独立した医療行為は、前ページの「/」で連結した1つの医療行為として報告しません。

## 例 6 : Percutaneous transluminal angioplasty of left lower leg artery and percutaneous transluminal angioplasty of right lower leg artery with insertion of two stents

左下肢動脈の経皮経管動脈形成術および2本のステントの挿入を伴う右下肢動脈の経皮経管動脈形成術

ICHI Code	IFA.LG.AF&XCA3/IFA.LH.AF&XAC4&XT01.24	
Stem code	IFA.LG.AF	Percutaneous transluminal angioplasty of artery of lower limb
Topology extension	XCA3	Left
Stem code	IFA.LH.AF	Dilatation with insertion of stent or prosthesis of artery of lower limb
Topology extension	XAC4	Right
Therapeutic product extension	XT01.24	Endovascular stent

関連するExtension codesを持つICHI Stem codeは、一緒に実行できません。構文（&）は、適用可能なStem codeと共にExtension codesを記録するために使用されます。

次に、関連するExtension codesを持つStem codeは「/」を使用してクラスター化されます。

このため「IFA.LG.AF&XCA3/IFA.LH.AF&XAC4&XT01.24」となります。

# 例7：Routine vaccination 定期予防接種

ICHI Stem code：DTB.DB.AE

クイック検索を用いて、コンポーネントは「ICHI」を選択して「vaccination」と入力し検索します。検索結果が表示され、リスト内の「DTB.DB.AE - Percutaneous administration of immunological agent」をクリックすると、右画面に表示されます。「Routine vaccination」では「No matchinf results!」と検索できません。

赤線で囲まれた文章は川瀬が追加した文章です

ICHI Beta-2 2019

vaccination X ICHI

DTB.DB.AC - Oral immunisation  
inclusion terms

DTB.DB.AE - Percutaneous administration of immunological agent  
inclusion terms

ICHI Beta-2 2019

DTB.DB.AE ICHI

Comments

Interventions

- 1 - 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
    - DA - Tonsil, Adenoid
    - DB - Thymus
    - DF - Lymphatic system
    - DG - Bone marrow
    - DI - Blood
    - DJ - Spleen
    - DT - Functions of haematopoietic and reticuloendothelial system
      - DTA.AA.ZZ - Assessment of haematological system functions
      - DTA.AB.ZZ - Measurement of haematological system functions
      - DTA.AC.ZZ - Test of functions of the haematological system
      - DTA.AM.ZZ - Observation of functions of the haematological system
      - DTA.DB.AE - Injection of anti-coagulant
      - DTA.PH.ZZ - Training for functions of the haematological system

ICHI code	DTB.DB.AE
Target	DTB - Immunological system function
Action	DB - Application of substance
Means	AE - Percutaneous
ICHI descriptor	Percutaneous administration of immunological agent
Definition	
Inclusion Terms	Immunotherapy via injection; Vaccination, NOS; Vaccine injection
Includes Notes	
Code also	
Excludes Notes	oral immunisation (DTB.DB.AC); intravenous immunotherapy (DTB.DB.AF)

# 例8：Blood pressure measurement 血圧測定

ICHI Stem code：ITA.AB.AF

クイック検索を用いて、コンポーネントは「ICHI」を選択して「blood pressure」と入力し検索します。「Blood pressure measurement」でも2つの検索結果がでます。

検索結果が表示され、リスト内の「ITA.AB.AF - Measurement of blood pressure」をクリックすると、右画面に表示されます。

もし「ITA.AI.AF - Blood pressure monitoring」を選択すると、Excludes Notesに「blood pressure measurement (ITA.AB.AF)」とあり、この場合は選択してはいけないとわかります

The screenshot shows the ICHI website interface. At the top, the search bar contains 'blood pressure' and is circled in red. Below the search bar, a dropdown menu is open, listing various interventions. The item 'ITA.AB.AF - Measurement of blood pressure' is highlighted in yellow, with a green arrow pointing to it. The main page displays a table of interventions, with the 'ITA.AB.AF' row highlighted in yellow and a green arrow pointing to it. The 'Excludes Notes' section at the bottom shows 'blood pressure measurement (ITA.AB.AF)'. The page number '136' is visible at the bottom center.

code	ITA.AB.AF
et	ITA - Blood pressure functions
n	AB - Measurement
S	AF - Percutaneous transluminal
descriptor	Measurement of blood pressure
ition	Quantitative determination of characteristics of blood pressure, which results in a continuous variable
Inclusion Terms	
Includes Notes	
Code also	
Excludes Notes	blood pressure monitoring (ITA.AI.AF)

## Functioning interventions

### 身体機能の保健・医療関連行為をどのように見つけるか

身体機能の保健・医療関連行為は、ICHIの4つのセクションすべてに見られます。それらには、以下を対象とする医療行為が含まれます。

- 身体機能
- 活動と関連領域
- 環境
- 健康関連の行動



A screenshot of the ICHI website interface. The top navigation bar is red and contains the ICHI logo, "Beta-2 2019", a search box, and a dropdown menu labeled "ICHI". Below the navigation bar is a grey header with "ICHI Beta-2 2019". A white box contains a dropdown menu labeled "Interventions" with a downward arrow. Below this menu is a list of four items: "1 - Interventions on Body Systems and Functions", "2 - Interventions on Activities and Participation Domains", "3 - Interventions on the Environment", and "4 - Interventions on Health-related Behaviours". A green arrow points to the fourth item.



# 身体機能の保健・医療関連行為（Functioning interventions）の ICHI コードを検索

- 検索ボックスに検索語を入力する、またはTarget、Action、Means ごとに参照する
- 身体機能の保健・医療関連行為に最も適切なTarget、Action、Meansに精通する

ICHI Beta-2 2019

Search ICHI

ICHI Beta-2 2019

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-2 2019

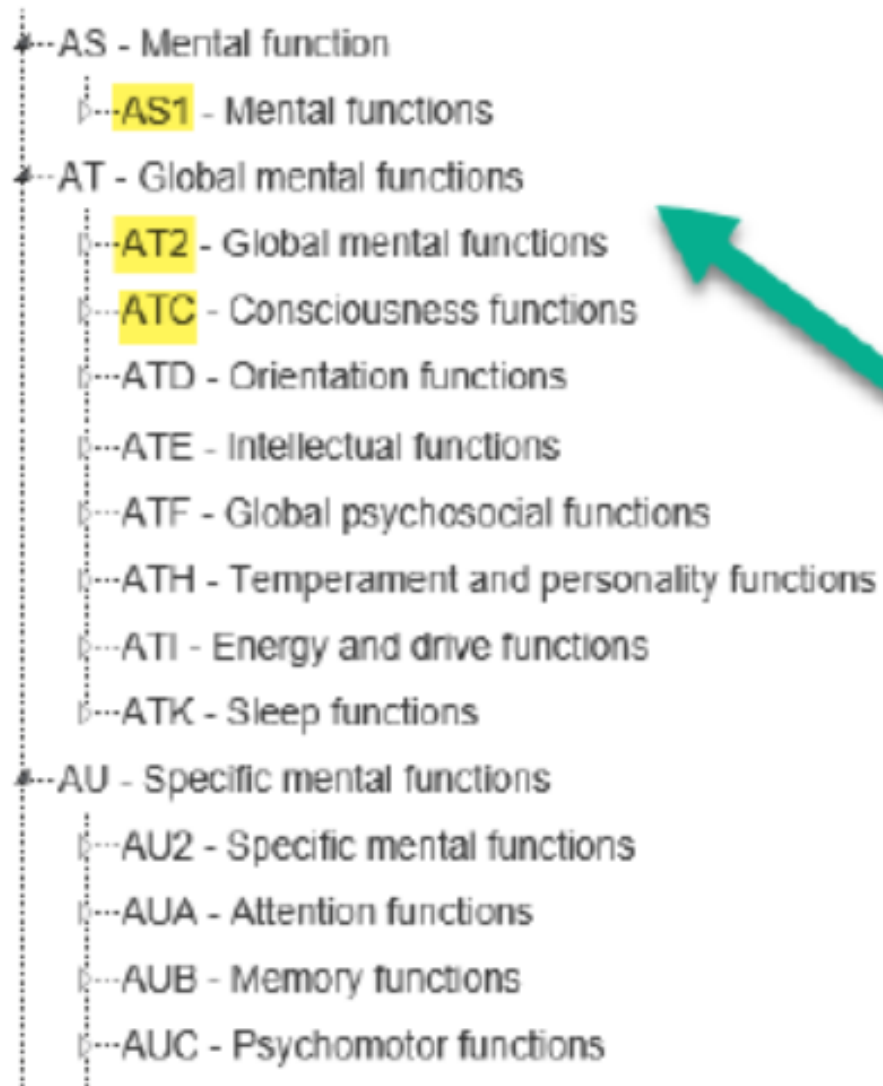
- PC - Massage
- PD - Stretch
- PG - Assisting or leading exercise
- PH - Training**
- AS1.PH.ZZ - Training for mental functions
- AT2.PH.ZZ - Training for global mental functions
- ATD.PH.ZZ - Training for orientation functions
- ATE.PH.ZZ - Training for intellectual functions
- ATF.PH.ZZ - Training for global psychosocial functions
- ATH.PH.ZZ - Training for temperament and personality
- ATI.PH.ZZ - Training for energy and drive functions
- ATK.PH.ZZ - Training for sleep functions
- AU2.PH.ZZ - Training for specific mental functions
- AUA.PH.ZZ - Training for attention functions
- AUB.PH.ZZ - Training for memory

# ICH Targetの階層構造

WHOの国際生活機能分類（ICF）のカテゴリを、ICHIのTargetカテゴリとして使用します。

これらのTargetは階層的にネスト（入れ子構造）されています：

- ICFチャプターレベルのTargetコードには、2つの文字の後に数字「1」が続きます
- ICFブロックレベルのTargetコードには、2つの文字の後に数字「2」が続きます
- ICF 3桁のTargetコードは3つの文字で構成されます



## ICFカテゴリに基づく ICHI Target

「ICFのマッピング」リンクをクリックして、オンラインICFブラウザでICFカテゴリの定義を確認します。

「ATD」をクリックすると「ATD - Orientation functions」はICFでは「b113」に相当することが確認できます

ICHI code	ATD.AC.ZZ
Target	<b>ATD</b> - Orientation functions
Action	AC - Test
Means	ZZ - Other and unspecified means
ICHI descriptor	<b>Test of orientation functions</b>
Definition	Using a questionnaire, rating scale or other instrument to test functions of time, to place, to self, to others, to objects and to space
Inclusion Terms	NAB Orientation test (Stern and White); Neuropsychological Assessment Battery Orientation test

Target	ATD
Title	Orientation functions
Definition	
Incl	
Excl	
Mapping ICF	<b>b114</b>

**ATD.AC.ZZ Test of orientation functions**（オリエンテーション機能のテスト）  
アンケート、評価尺度、またはその他の手段を使用して、時間、場所、自己、他者、物体、および空間との関係を知り、確認する機能をテストする

# 例9：Transcutaneous Electrostimulation (TENS) for pain 痛みに対する経皮的電気刺激（TENS）

ICHI Stem code：AXA.SC.BP

クイック検索を用いて、コンポーネントは「ICHI」を選択して「stimulation for pain」と入力し検索します。「Electrostimulation for pain」では「No matching results!」と検索できません。「Electrical stimulation」では4つの検索結果がでます。検索結果が1つだけ表示され「AXA.SC.BP - Electrical stimulation for pain」をクリックします。

ICHI Beta 2 2019

stimulation for pain x ICHI

AXA.SC.BP - Electrical stimulation for pain

ICHI Beta 2 2019

Interventions

- 1 - Interventions on body systems and functions
  - 01 - Interventions on the Nervous System and Mental Functions
    - AA - Brain and Cranial Nerves
    - AB - Spinal cord structures
    - AC - Peripheral nervous system
    - AD - Sympathetic nervous system
    - AE - Parasympathetic nervous system
    - AS - Mental function
    - AT - Global mental functions
    - AU - Specific mental functions
    - AV - Sensory function and Pain
    - AX - Pain
      - AXA.AA.ZZ - Assessment of pain
      - AXA.AC.ZZ - Test of pain
      - AXA.DB.AC - Oral or enteral medication for pain
      - AXA.DB.AF - Parenteral medication for pain
      - AXA.DB.AM - Transcutaneous stimulation for pain

AXA.SC.BP ICHI Comments

http://dx.doi.org/10.1186/s13029-019-0008-8

ICHI code	AXA.SC.BP
Target	AXA - Sensation of pain
Action	SC - Stimulation
Means	BP - Electric TENS
ICHI descriptor	Electrical stimulation for pain
Definition	Provoking or inciting a reaction by application of electric current in relation to sensation of unpleasant feeling indicating potential or actual damage to some body structure
Inclusion Terms	Transcutaneous electrical nerve stimulation [TENS], [TNS] for pain
Includes Notes	
Code also	
Excludes Notes	

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# 例10：Skills training in preparing meals

## 食事の準備のスキルトレーニング

ICHI Stem code：SOA.PH.ZZ

クイック検索を用いて、コンポーネントは「ICHI」を選択して「training in preparing」と入力し検索します。

「Skills training in preparing meals」とフルに入力しても検索できます。検索結果が1つだけ表示され「SOA.PH.ZZ - Training in preparing meals」をクリックします。内容を確認してOKなら、ICHI Stem codeを「SOA.PH.ZZ」とします。

The screenshot shows the ICHI website interface. At the top, there is a search bar with the text 'training in preparing' and a dropdown menu showing 'SOA.PH.ZZ - Training in preparing meals'. Below the search bar, there is a list of interventions on the left and a detailed view of the selected intervention on the right. The detailed view shows the ICHI code, target, action, means, ICHI descriptor, definition, inclusion terms, includes notes, code also, and excludes notes.

ICHI code	SOA.PH.ZZ
Target	SOA - Preparing meals
Action	PH - Training
Means	ZZ - Other and unspecified means
ICHI descriptor	Training in preparing meals
Definition	Teaching, enhancing or developing skills - to plan, organise, cook and serve simple and complex meals for oneself and others - through practice
Inclusion Terms	
Includes Notes	
Code also	
Excludes Notes	

# 例11：Family counselling 家族カウンセリング

ICHI Stem code：SSJ.PP.ZZ

クイック検索を用いて、コンポーネントは「ICHI」を選択して「Family counselling」と入力し、そこから「SSJ.PP.ZZ - Counselling for family relationships」を検索することもできます。

下に示しているのは「relationships counselling」とも検索した結果です。どのような単語で検索するかは工夫してください。一番簡単なのは、例題をフルに検索し、もし「No matching results!」と検索できない場合には、少しずつ単語を絞って行ってください。

The screenshot shows the ICHI website interface. On the left, a search bar contains 'relationships counselling X' and 'ICHI'. Below it, a list of search results is displayed, with 'SSJ.PP.ZZ - Counselling for family relationships' highlighted in yellow. A green arrow points to this result. On the right, a detailed view of the 'SSJ.PP.ZZ' code is shown, also with a yellow highlight and a green arrow pointing to it. The detailed view includes the code, its description, and other metadata.

code	SSJ.PP.ZZ
st	SSJ - Family relationships
n	PP - Counselling
is	ZZ - Other and unspecified means
descriptor	Counselling for family relationships
tion	Providing therapeutic and/or supportive communication in relation to creating and maintaining kinship relationships
ion Terms	
ies Notes	
also	
des Notes	counselling for intimate relationships (SSM.PP.ZZ)

「/」を使用して、一緒に実行される保健・医療関連行為を表現します

身体機能の保健・医療関連行為を記述するために複数のICHIコードが必要な場合、「/」（スラッシュ）で区切って複数のコードを記録できます

*e.g., Training in eating and drinking*

**SMF.PH.ZZ/SMG.PH.ZZ**

SMF.PH.ZZ Training in eating

SMG.PH.ZZ Training in drinking

例：Training in eating and drinking 経口摂取、飲水摂取のトレーニング

**SMF.PH.ZZ/SMG.PH.ZZ**

SMF.PH.ZZ Training in eating 経口摂取のトレーニング

SMG.PH.ZZ Training in drinking 飲水摂取のトレーニング

「+」を使用して、保健・医療関連行為のパッケージを表現

「+」構文は、リハビリテーション治療パッケージなど、身体機能の保健・医療関連行為のパッケージを記述するために使用します

e.g., Prescription and training in use of assistive or adaptive device, aid or equipment for communication

**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

**例： Prescription and training in use of assistive or adaptive device, aid or equipment for communication コミュニケーションのための支援または適応デバイス、援助または機器の使用における処方とトレーニング**

**UAF.TI.ZZ+UAF.PH.ZZ**

**UAF.TI.ZZ Prescription of products and technology for communication コミュニケーションのための製品と技術の処方**

**UAF.PH.ZZ Training in the use of products and technology for Communication コミュニケーションのための製品とテクノロジーの使用に関するトレーニング**



## 「支援製品」 Extension codesの使用

- 支援製品を含む保健・医療関連行為は、ICHIの環境セクション（Environment section）にあります。
- 「支援製品」 Extension codesを使用して、支援製品のタイプを記録できます。

例：Prescription of wheelchair (manual) 車椅子の処方（マニュアル）

クイック検索を用いて、コンポーネントは「ICHI」で「Prescription of wheelchair」と入力しても「No matching results!」と検索できません。

「wheelchair」でも「UAE.RD.ZZ」しか検索できません。「Prescription」で検索し「UAA.TI.ZZ - Prescription of products or substances for personal consumption」を探し選択します。

クイック検索で、コンポーネントは「ExtensionCodes」で「wheelchair」と入力し「XP245.10 - Manual wheelchairs, other and unspecified」を選択します。ICHIコードは「&」で連結し「UAE.TI.ZZ&XP245.10」になります。

ICHI Code	UAE.TI.ZZ&XP245.10	
Stem code	UAE.TI.ZZ	Prescription of products and technology for personal indoor and outdoor mobility and transportation
Assistive products	XP245.10	Manual wheelchairs, other and unspecified

# ICHIにおける公衆衛生に関する保健・医療関連行為

- あらゆる種類の公衆衛生に関する保健・医療関連行為が対象
- 複数のICHIコードを組み合わせる場合、「/」や「+」を用いて連結します



## 公衆衛生に関する保健・医療関連行為のTarget

例：

UAB - Food safety and security 食品の安全とセキュリティ

UBL - Indoor air quality 室内の空気の質

UBQ - Animals as vectors of disease 病気を媒介する動物

VAA - Alcohol use behaviours アルコール摂取行動

VBB - Family and partner violence behaviours

家族とパートナーの暴力行為

VCB - Workplace safety behaviours 職場の安全行動

VEB - Physical activity behaviours 身体活動行動

VFS - Health literacy 健康リテラシー

# 公衆衛生に関する保健・医療関連行為のAction

例：

AA - Assessment 評価

PM - Education 教育

RF - Providing opportunities for participation 参加の機会を提供

TM - Environment modification 環境の変更

VE - Infection control measures 感染対策

WC - Restrictions on the sale or distribution of products  
製品の販売または流通の制限

WG - Applying incentives インセンティブの適用

WJ - Policy change ポリシーの変更

## 公衆衛生に関する保健・医療関連行為のMeans

例：

QD - Enactment 制定

QE - Enforcement 施行

QF - Economic instruments 経済的手段

ZZ - Other and unspecified means その他の不特定的手段

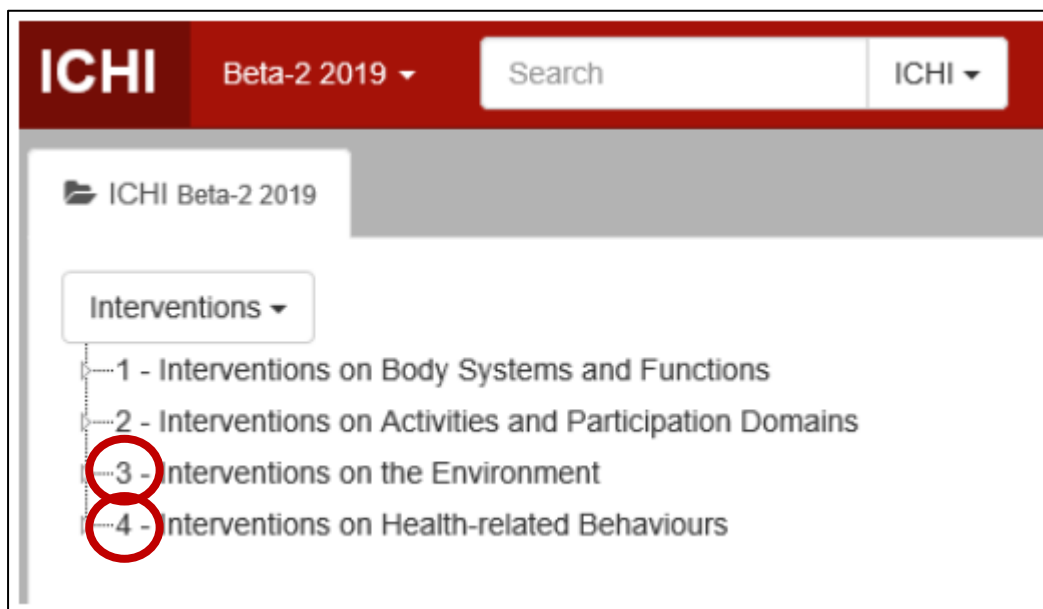
公衆衛生に関する保健・医療関連行為の場合、Meansは「ZZ」が多く用いられます。

# 公衆衛生に関する保健・医療関連行為はICHIプラットフォームのどこを検索？

ICHIには個別の公衆衛生セクションはありません。

ほとんどの保健・医療関連行為は、次の場所にあります。

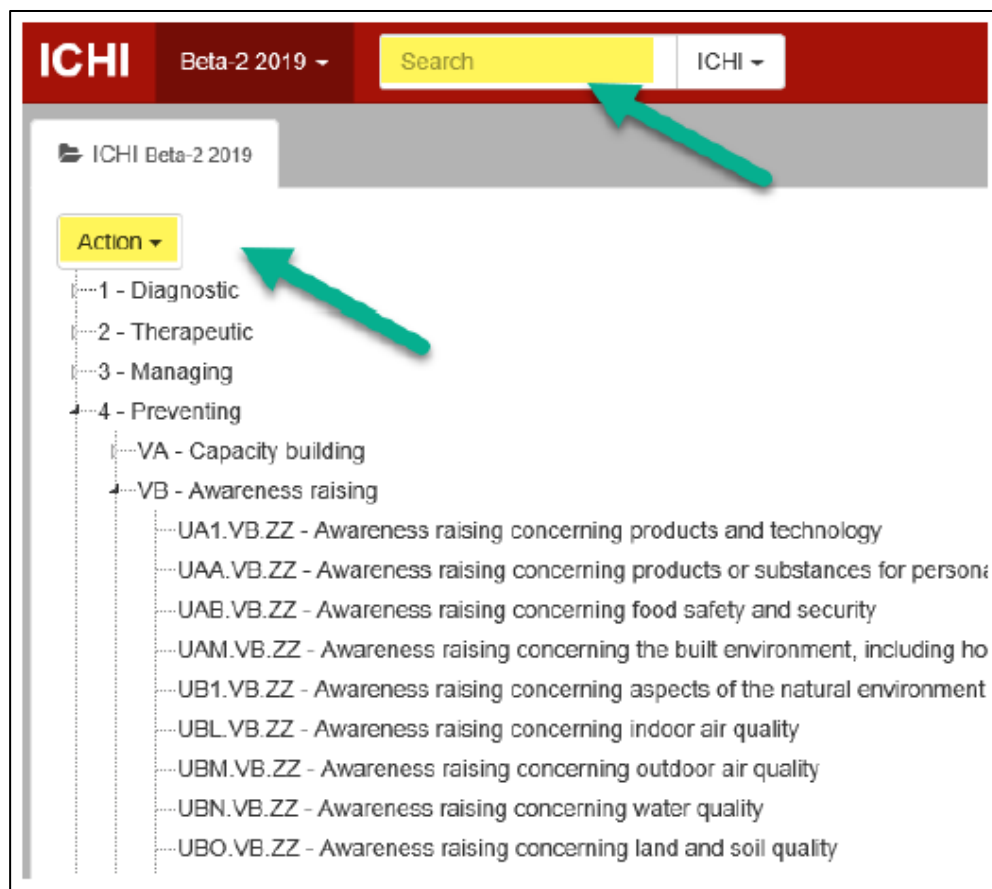
- セクション3 - Interventions on the Environment 環境への医療行為
- セクション4 - Interventions on Healthrelated Behaviours 健康関連行動への医療行為



ただし、ICHIの他の場所にも、公衆衛生に関する保健・医療関連行為のコードがあります

# 公衆衛生に関する保健・医療関連行為のICHIコード検索

- クイック検索を用いて、検索語を入力する
- Target、Action、Meansごとに関覧



公衆衛生に関する保健・医療関連行為の説明に最も適切なTarget、Action、Meansに精通しなければなりません。

## 例12：Implementing a policy to limit air pollution in residential areas 住宅地の大気汚染を制限するポリシーの実装

ICHI Stem code: UBM.WJ.ZZ

クイック検索を用いて、コンポーネントは「ICHI」を選択して「Implementing a policy」と入力しても検索できません。少しずつ絞って「policy」と入力してもやっと検索できます。内容を確認して「UBM.WJ.ZZ - Policy change concerning outdoor air quality」をクリックします。

The screenshot shows the ICHI website interface. At the top, there is a search bar with the text 'ge outdoor air quality' and a dropdown menu set to 'ICHI'. Below the search bar, a yellow tooltip displays the search results: 'UBM.WJ.ZZ - Policy change concerning outdoor air quality'. A green arrow points to this tooltip. On the left side, there is a tree view of interventions, with '23 - Interventions on the Natural Environment including human changes' expanded, and 'UB - Natural environment including human changes' selected. A green arrow points to the 'UBM.WJ.ZZ' code in the tree view. On the right side, there is a table with the following data:

ICHI code	UBM.WJ.ZZ
Target	UBM - Outdoor air quality
Action	WJ - Policy change
Means	ZZ - Other and unspecified means
ICHI descriptor	Policy change concerning outdoor air quality
Definition	Developing new or modifying existing policies in relation to air quality outside buildings or enclosed areas
Inclusion Terms	
Includes Notes	
Code also	
Excludes Notes	

A green arrow points to the 'UBM - Outdoor air quality' value in the 'Target' row of the table.



# 例13：Enforcing bans on alcohol advertising at sporting events スポーツイベントでアルコール広告の禁止を実施する

ICHI Stem code: VAA.WD.QE

クイック検索を用いて、コンポーネントは「ICHI」を選択して「Enforcing bans on alcohol advertising」と入力しても検索できません。少しずつ絞って「Enforcing alcohol」まで絞ると検索できます。内容を確認して「VAA.WD.QE - Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages—enforcement of legislation or regulations」をクリックします。

The screenshot shows the ICHI Beta-2 2019 search interface. The search bar contains 'verages enforcement X' and 'ICHI'. A dropdown menu shows search results for 'VAA.WD.QE - Restrictions or requirements concerning the advertising, promo...'. The selected code is highlighted in yellow. A detailed view of the code is shown on the right, with a table of components and a list of inclusion terms.

Code	Description
VAA.WD.QE	VAA - Alcohol use behaviours
WD	Restrictions on advertising, promotion or sponsorship of products
QE	Enforcement
Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages—enforcement of legislation or regulations	
Enforcing legislation or regulations to limit advertising, promotion or sponsorship of alcoholic beverages	

Inclusion Terms

Includes Notes

Code also

Excludes 154 enforcing requirements concerning packaging and display of alcoholic beverages (VAA.WC.QE)

「/」を使用して、一緒に実行される保健・医療関連行為を表現します

公衆衛生に関する保健・医療関連行為を記述するために複数のICHIコードが必要な場合、「/」（スラッシュ）で区切って複数のコードを記録できます

*e.g., Educational theatre performance about the importance of healthy eating and physical activity*

**VEA.PM.ZZ/VEB.PM.ZZ**

VEA.PM.ZZ Education to influence eating behaviours

VEB.PM.ZZ Education to influence physical activity behaviours

**例：Educational theatre performance about the importance of healthy eating and physical activity 健康的な食事と身体活動の重要性に関する演劇による教育**

**VEA.PM.ZZ / VEB.PM.ZZ**

**VEA.PM.ZZ Education to influence eating behaviours 食行動に影響を与える教育**

**VEB.PM.ZZ Education to influence physical activity behaviours 身体活動行動に影響を与える教育**

## 「+」を使用して、保健・医療関連行為のパッケージを表現

「+」構文は、複数の身体機能の保健・医療関連行為のパッケージを記述するために使用します

*e.g., Intervention to promote responsible drinking by young nightclub patrons by (i) making physical changes to the venue, and (ii) providing rewards for drinking responsibly*

**VAA.TM.ZZ+VAA.WG.ZZ**

VAA.TM.ZZ Environment modification to influence alcohol use behaviours

VAA.WG.ZZ Non-economic incentives to encourage improved health behaviours relating to alcohol use

**例： Intervention to promote responsible drinking by young nightclub patrons by (i) making physical changes to the venue, and (ii) providing rewards for drinking responsibly (i) 会場を物理的に変更し、(ii) 責任を持って飲むことに対する報酬を提供することにより、若いナイトクラブの利用者への責任ある飲酒を促す保健・医療関連行為**

**VAA.TM.ZZ + VAA.WG.ZZ**

**VAA.TM.ZZ Environment modification to influence alcohol use behaviours アルコール使用行動に影響を与える環境修正**

**VAA.WG.ZZ Non-economic incentives to encourage improved health behaviours relating to alcohol use アルコール摂取に関連する健康行動の改善を促す非経済的インセンティブ**

ICHI Beta-2 2019の使用に関する詳細については、ICHIホームページの画面の右側で関連する見出しを選択してください。

## ICHI Beta-2 2019

Welcome to the browser for the International Classification of Health Interventions Beta-2 2019.

You can browse the ICHI proposed content here.

Here you can find further information:

- ❶ [ICHI Beta-2 2019](#)
- ❶ [Acknowledgements](#)
- ❶ [Introduction](#)
- ❶ [Draft ICHI Guidelines](#)
- 📖 [ICHI Platform User Guide](#)

## ICHI Beta-2 2019

ICHI Beta-2 2019のブラウザへようこそ。ここでICHIが提案したコンテンツを参照できます。

ここをクリックすることでさらに情報を見つけられます：

- [ICHI Beta-2 2019](#)
- [謝辞](#)
- [前書き](#)
- [ドラフトICHIガイドライン](#)
- [ICHIプラットフォームユーザーガイド](#)