

厚生労働科学研究費補助金

政策科学総合研究事業(統計情報総合研究事業)

保健・医療関連行為に関する国際分類の我が国への適用のための研究

令和元年度 総括研究報告書

研究代表者 川瀬 弘一 聖マリアンナ医科大学医学部 教授

令和2(2020)年 3月

目 次

. 総括研究報告	
保健・医療関連行為に関する国際分類の我が国への適用のための研究	
川瀬弘一、岩中 督、波多野賢二、高橋長裕、小川俊夫、 荒井康夫、横堀由喜子、斉藤宗則	2
(別表 A) ICHI-FiT Raters Manual	8
(別表 B) ICHI Beta2 Training Material	34
. 研究成果の刊行に関する一覧表	158

保健・医療関連行為に関する国際分類の我が国への適用のための研究

研究代表者 川瀬 弘一 聖マリアンナ医科大学医学部教授

研究要旨:

WHO は国際統計分類(WHO-FIC)の中心分類として、国際疾病分類(ICD)と国際生活機能分類(ICF)、保健・医療関連行為に関する国際分類(ICH)を設けている。ICH は現在開発中で、暫定版として ICH Beta-2 2019 版を公表しており、もう間もなく完成する。ICH フィールドテスト(ICH-FIT)が全世界で行われ、我が国も 140 名が評価者として参加した。ICH-FIT の我が国での正解率は、全体では 15,624 例/29,426 例(56.7%)であった。スタディ・モジュール別では Public Health interventions いわゆる公衆衛生関連が 628 例/2,460 例(25.5%)と最も低い。また Stem Code だけの正解率は 67.1%と 10.4%も上昇した。特に Extension Codes を付記する問題の多い Medical-surgical intervention では 59.0%から 77.0%と 20%近くも上昇した。これら結果より評価者の正解率が低いスタディ・モジュールは公衆衛生関連の ICH コードと、Extension Codes を付記しなければならない ICH コードであることが明らかになった。ICH 承認後の国内対応を円滑にするには、これらの改善を図る必要があると考えられた。

研究分担者

岩中 督・東京大学医学部附属病院 名誉教授

波多野賢二・国立精神・神経医療研究センター 室長

高橋長裕・公益財団法人ちば県民保健予防財団総合健診センター 顧問

小川俊夫・国際医療福祉大学大学院 教授

荒井康夫・北里大学病院 課長

横堀由喜子・一般社団法人日本病院会教育部 部長

斉藤宗則・明治国際医療大学鍼灸学部 特任准教授

分類の中心分類として、国際疾病分類(ICD)と国際生活機能分類(ICF)、保健・医療関連行為に関する国際分類(ICH)を設けており、ICH は保健・医療関連行為すべてをカバーした分類である。ICD、ICF はすでに WHO で承認されているが、ICH は現在開発中である。

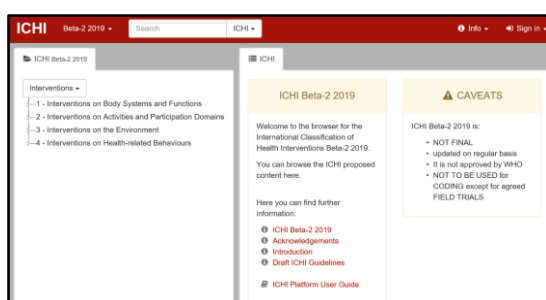
WHO-FIC ネットワークは、2007 年に ICH 開発をスタート、世界各国の WHO-FIC コラボレーションセンターからの参加者によって検討され、2012 年には暫定版である ICH Alpha 版を作成した。その後 2016 年 10 月には ICH Task Force が WHO 内に発足し、改定作業を継続している。この時期にオンライン上のブラウザに ICH Platform が立ち上がり、ICH を公開(<https://mitel.dimi.uniud.it/ichi/>)し、ここから ICH に対する意見提出が可能となっている。現在は ICH Beta-2 2019 版が公開されている(図 1)。2020 年 2 月までに WHO が要求する正式な ICH フィールドテスト(以下 ICH-FIT と略す)が全世界で行われ、その結果から

A. 研究目的

WHO の国際統計分類ファミリー(WHO-FIC)は、健康と福祉に関する情報、および個人や集団に提供される医療行為に関する幅広い情報をコーディングすることで、標準化された共通言語として提供している。国際統計

ICHI pre-final 版を作成、2020 年度以降の WHO での承認を目指している。今後 ICHI が WHO で承認されると、国際統計報告のみならず、我が国の保健医療制度等を含め幅広く影響を及ぼす可能性があり、ICHI への対応については継続していく必要がある。

図 1. ICHI Platform: ICHI Beta-2 2019 版がオンライン上のブラウザに公表



ICHI コードは、Target 3 桁、Action 2 桁、Means 2 桁の 3 つの基本構造をピリオド「.」で連結した Stem Code と、これに必要な場合に応じて Extension Codes を付記する。表示法は Stem code の後ろに「&」を付けて Extension Codes を連結することで ICHI コードが完成する。なお複数の Extension Codes がある場合には、何個でも連結することが可能である。さらに複数の保健・医療関連行為が行われた場合にはそれぞれの ICHI コードを「/」で連結する。

平成 27 年度厚生労働科学特別研究の「医療行為にかかわる分類の国際比較に関する研究」(大井班)で、外科系学会社会保険委員会連合で作成している手術試案の分類コード(以下、STEM7)は、ICHI における分類コード(以下、ICHI コード)と類似していることが明らかになった。平成 28~30 年度厚生労働科学特別研究の「医療行為にかかわる分類の

国際比較とその改善や利用価値の向上に資する研究」では、ICHI コードと診療報酬コード(K コード)、STEM7 の対応表を作成し、ICHI のレビューおよびフェーズ1テストを行い、その結果から ICHI Task Force や WHO-FIC に我が国の意見を発信してきた。

本研究の目的は、ICHI 開発に継続して参画し、情報収集・分析や ICHI 暫定版の検証を行い、さらに ICHI-FiT 結果を分析し、ICHI が WHO で承認された後の国内対応の準備を進めることである。

B. 研究方法

1) ICHI の動向

ICHI の今年度の動向について WHO-FIC ネットワークや ICHI Task Force Meeting の活動、および今後の予定について記述する。

今年度に改訂された ICHI Beta-2 2019 版の検証を行う。特に伝統医学分野の ICHI 対応が十分でなく、検討を行なう。

2) ICHI フィールドテスト(ICHI-FiT)

ICHI-FiT は 6 つのスタディ・モジュールに大きく分類されている。Medical-surgical interventions (line coding) 100 例、Primary care interventions (line coding) 50 例、Functioning interventions (line coding) 100 例、Public Health interventions (line coding) 25 例、Medical-surgical interventions (case coding) 10 例、Functioning interventions (case coding) 10 例の合計 295 問ある(図2)。これを提供されたブラウザにログインし Extension Codes を含んだ ICHI コードを入力する。一度入力すると修正はきかない。2020 年 2 月 4 日時点での回答率、正解率について 6 つのスタディ・モジュールのうち、4 つの Line coding について検討する。

図2. ICHI-FiT の 6 つのスタディ・モジュール

	スタディ・モジュール	問題数
1.	Medical-surgical interventions: Line coding	100
2.	Medical-surgical interventions: Case coding	10
3.	Primary care interventions: Line coding	50
4.	Functioning interventions: Line coding	100
5.	Functioning interventions: Case coding	10
6.	Public Health interventions: Line coding	25
	合計	295

C. 研究結果

1) ICHI の動向

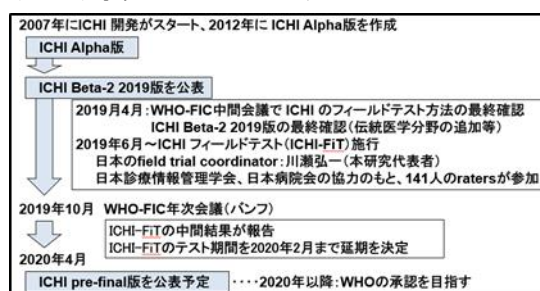
2019年4月9日～10日に開催されたWHO-FDC 中間年次会議(コネリアーノ)では ICHI-FiT の最終確認が行われた。その際に我が国とドイツから提案された Medical-surgical interventions の Line coding 100 例の検討も行われ、大きな修正もなく了承された。

また伝統医学分野について、本研究分担者である齊藤宗則より2019年2月にケルンで開催された ICHI Development meeting で鍼灸の概要を提示し、鍼灸の腧穴について、 ICHI の Extension codes に361穴の名称として採用できるようWHO-FIC 年次会議にて提案することが承認された。なお位置が統一されていない6穴の位置標準化の成立等について、日中韓で統一するための検討も開始した。

2019年7月から ICHI-FiT が世界中で開始された。

2019年10月6日～10日にWHO-FIC 年次会議(2019 WHO-FIC Conference)がバンフで開催され、 ICHI の情報収集や開発に参画した。 ICHI-FiT の途中経過が報告され、 ICHI-FiT のテスト期間が2020年2月まで延期することが決定された。今後はテスト結果がWHO-FIC にて検討され ICHI pre-final 版に反映され、2020年度以降のWHOでの承認を目指すことが再確認された(図3)。

図3. 保健・医療関連行為に関する国際分類 (ICHI) 承認までのタイムライン



2) ICHI フィールドテスト(ICHI-FiT)

2019年7月26日に、WHOの Classifications & Terminologies Team (ICD, ICF, ICHI)の Technical Officer である Nenad Kostanjsek から、日本のWHO-FIC コラボレーションセンターに、フィールドテストの依頼があり、本研究代表者の川瀬弘一が Field Trial Centre: Japanese WHO FIC CC の field trial coordinator(以下、コーディネーター)となり準備をすすめた。本研究分担者および日本病院会、日本診療情報管理学会の診療情報管理士に ICHI-FiT の評価者となっていただけるよう依頼し、140名から参加を表明していただいた。

ICHI-FiT のログイン画面は英語であり、このため回答率、正解率が下がることを危惧し、2019年8月16日に ICHI-FiT に関する説明会開催した。なお参加できない方には説明会の内容をビデオ撮影して配信した。またWHOから ICHI-FiT を行うにあたって添付された資料「ICHI-FiT-Rater-Instructions」(別表A)、「ICHI Beta2 Training Material」(別表B)は原文だけでなく、その和訳も作成し配布した。さらに ICHI-FiT のリストも和訳を作成した。その他に参考資料として、平成30年度厚生労働科学特別研の「医療行為にかかわる分類の国際比較とその改善や利用価値の向上に資

する研究」で作成した「Extension codes のまとめ」「ICHI Granularity」も配布した。

当初 2019 年 9 月末日までの期限で回答をお願いしたが、テスト期間が 2020 年 2 月まで延期することが WHO-FIC 年次会議で決定されたため、我が国でも 2020 年 1 月末まで延長した。

コーディネーターは、評価者の回答状況を常に確認することが可能であり、2020 年 2 月 4 日時点で、140 名の評価者が問題延件数 41,300 例中 29,426 例しか回答していなかった。その内訳は Medical-surgical interventions (line coding) 10,095 例/14,000 例 (72.1%)、Medical-surgical interventions (case coding) 948 例/1,400 例 (67.7%)、Primary care interventions (line coding) 5,554 例/7,000 例 (79.3%)、Functioning interventions (line coding) 9,448 例/14,000 例 (67.5%)、Functioning interventions (case coding) 921 例/1,400 例 (65.8%)、Public Health interventions (line coding) 2,460 例/3,500 例 (70.3%) で、合計では 29,426 例/41,300 例 (71.2%) であった。(図 4, 5)。

ICHI-FiT の正解率は、Medical-surgical interventions (line coding) 5,961 例/10,095 例 (59.0%)、Primary care interventions (line coding) 3,386 例/5,554 例 (61.0%)、Functioning interventions (line coding) 5,649 例/9,448 例 (59.8%)、Public Health interventions (line coding) 628 例/2,460 例 (25.5%) で、合計では 15,624 例/27,557 例 (53.0%) であった。Stem Code だけは正解している率は、Medical-surgical interventions (line coding) 7,778 例/10,095 例 (77.0%)、Primary care interventions (line coding) 3,778 例/5,554 例 (68.0%)、Functioning

図 4. ICHI-FiT のコーディネーター画面 (Dashboard 画面より Medical-surgical interventions (line coding) の回答率)

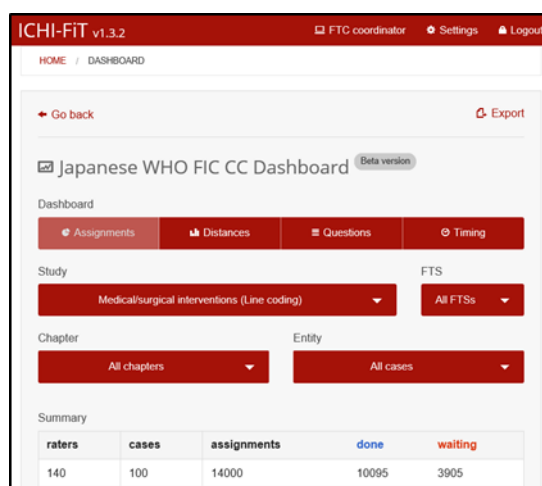


図 5. ICHI-FiT の回答率

スタディ・モジュール	cases	assignments	done	waiting
Medical-surgical interventions: Line coding	100	14,000	10,095	3,905
Medical-surgical interventions: Case coding	10	1,400	948	452
Primary care interventions: Line coding	50	7,000	5,554	1,446
Functioning interventions: Line coding	100	14,000	9,448	4,552
Functioning interventions: Case coding	10	1,400	921	452
Public Health interventions: Line coding	25	3,500	2,460	1,040
合計	295	41,300	29,426	11,874

interventions (line coding) 6,373 例/9,448 例 (67.5%)、Public Health interventions (line coding) 734 例/2,460 例 (29.8%) で、合計では 18,663 例/27,557 例 (67.1%) であった(図 6)。

図 6. ICHI-FiT の正解率

スタディ・モジュール	総数	正解(率)	Stem Codeは正解(率)
Medical-surgical interventions	10,095	5,961 (59.0%)	7,778 (77.0%)
Primary care interventions	5,554	3,386 (61.0%)	3,778 (68.0%)
Functioning interventions	9,448	5,649 (59.8%)	6,373 (67.5%)
Public Health interventions	2,460	628 (25.5%)	734 (29.8%)
合計	27,557	15,624 (56.7%)	18,663 (67.1%)

D. 考察

ICHI 開発の目的は保健・医療関連行為の標準的な分類を作成し、国際比較、医療行為の分類がない国への提供、すでに分類がある

国に対しては不足している項目を提供することである。最終フィールドテストである ICHI-FiT の結果を分析し、ICHI pre-final 版に反映させるスケジュールである。これが WHO によって承認されると、我が国への国際統計報告、診療報酬体系等を含め、幅広く影響を及ぼす可能性があり、ICHI 活用の体制作りが重要である。

今回わが国では 140 名の評価者が手助けしてくれ ICHI-FiT を行った。2019 年の WHO-FIC 年次会議で、その時点での ICHI-FiT の各国の状況が報告されたが、日本が圧倒的に多く参加している(図7)。WHO-FIC から英語圏でない国での ICHI の普及をみすえて、我が国の ICHI-FiT の分析結果が期待されている。しかしながら正解率は平均を若干下回っている。ちなみに私自身も ICHI-FiT に参加したが、その結果は自分が問題作成に携わった Medical-surgical interventions (line coding) の正解率は 90%と高く、Stem Code だけの正解率は 100%であり、4つのスタディ・モジュール全体では 84%(Stem Code だけでは 90%)の正解率であった(図8)。

評価者の正解率が低いスタディ・モジュールは Public Health interventions (line

coding)である。この理由はほとんどの評価者は、医療事務として勤務している診療情報管理士であり、普段から使い慣れた医療用語である Medical-surgical intervention や Primary care intervention、Functioning intervention は正解にたどり着くことが比較的容易だが、公衆衛生に関する ICHI コードは馴染みが薄く、正解にたどり着けなかったと思われる。

図8. ICHI-FiT の正解率(研究代表者川瀬弘一)

スタディ・モジュール	総数	正解(率)	STEM Codeは正解(率)
Medical-surgical interventions	100	90(90%)	100(100%)
Primary care interventions	50	33(66%)	37(74%)
Functioning interventions	100	89(89%)	90(90%)
Public Health interventions	25	19(76%)	22(88%)
合計	275	231(84%)	249(90%)

また、Stem Code だけは正解しているかを確認すると、67.1%と 10.4%も上昇した。特に Extension Codes を付記する問題の多かった Medical-surgical intervention では 59.0%から 77.0%20%近くも正解率が上昇した。この原因は Extension Codes には Quantifiers から Therapeutic products までの 10 項目と多岐にわたり、9,939 件もの膨大なコード数がある(図9)ことと、ICHI コードに Extension Codes が必要かの判断が難しいためと考えら

図7. Overall coding performance by FT center

FT center	Answers	%all correct	%stem correct	% target correct	%action correct	% means correct	avg. performance
China	1744	66.5%	78.4%	85.2%	90.5%	94.7%	2.70
Czech Republic	689	64.2%	77.4%	84.2%	88.8%	93.0%	2.66
France	2763	64.5%	81.1%	87.5%	91.1%	92.8%	2.71
India	376	55.3%	66.5%	86.2%	74.7%	77.1%	2.38
Japan	26578	56.0%	68.0%	77.5%	83.2%	90.6%	2.51
Jordan	607	58.6%	66.9%	85.0%	75.1%	81.5%	2.40
Korea, Republic of	4473	64.6%	80.2%	86.7%	89.7%	93.5%	2.70
Mexico	877	59.2%	70.0%	80.5%	82.2%	91.4%	2.54
Netherlands	108	61.1%	80.6%	88.0%	92.6%	93.5%	2.74
Norway	1531	59.7%	71.7%	85.8%	81.7%	86.9%	2.54
South Africa	1451	68.6%	84.4%	89.3%	94.6%	93.8%	2.78

れる。これは今後、正しい ICHI コードを選択するためには大きな課題であり、今回は ICHI-FiT に参画していただいた評価者全員に、正解例と回答例を具体的に提示してフィードバックを行った。

図9. ICHI Extension Codes

	Extension Code 大分類	コード数
1.	Quantifiers	27
2.	Additional descriptive information	67
3.	Topology	17
4.	Telehealth	3
5.	Diagnostic tests	62
6.	Additional target	654
7.	Additional anatomy	2,940
8.	Medicaments	4,967
9.	Assistive products	136
10.	Therapeutic products	166
	合計	9,939

E. 結論

ICHI は現在開発中でその最終段階にある。今回 ICHI の動向について明らかにするとともに、ICHI-FiT 結果を分析した。評価者の正解率が低いスタディ・モジュールは公衆衛生関連の ICHI コードと、Extension Codes を付記しなければならない ICHI コードであることが明らかになった。これら回答例を評価者にフィードバックしたが、ICHI 承認後の国内対応を円滑にするには、これらの改善を図る必要がある。

F. 健康危険情報

特記事項なし。

G. 研究発表

特になし

H. 知的財産権の出願・登録状況

特記事項なし

研究成果の刊行に関する一覧表

書籍

著者氏名	論文タイトル名	書籍全体の 編集者名	書 籍 名	出版社名	出版地	出版年	ページ

雑誌

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年

ICHI-FiT

Raters Manual – v.20190723circ.

Introduction

This is the user manual for the web-based application called ICHI-FiT (ICHI Field Testing), aimed at supporting the implementation of field testing of the ICHI Beta-2 draft.

The web application

The web-based application is currently hosted by the Department of Mathematics and Computer Science at the University of Udine, Italy, which is affiliated with the Italian WHO FIC Collaborating Center. The provisional address for the system is:

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

Rater

The rater carries out the basic work of participating into studies as classification user. He/she should register into the system upon invitation and filling the participant form. After that, he/she should access his/her own web page, check for assigned cases in field testing studies, fill in the related forms, and fill also the final evaluation form after completing all cases of a study.

User registration

ICHI-FiT is open only to invited users, at various levels. No public pages are available, thus any activity is filtered through a login page. When accessing the first page of the web application, the user is requested to provide username and password. There is no link to a registration page, because registration to the system can be made only upon email invitation by a centre or site coordinator:

ICHI-FiT invitation

Hello,
this is an ICHI-FiT invitation.


Please follow this link

[Invitation](#)

Thank you

In the email there will be a link “Invitation” that redirects to the ICHI-FiT registration page:

ICHI-FiT

 Registration form

ICHI-FiT Language
English

Your first name: Vincenzo
Your middle name:
Your surname: Della Mea

Your email:

Choose password:

Confirm password:

 Cookie

After the registration, the user is guided through three forms.

The first one collects user data:

ICHI-FIT v1.3.2 Rater Logout

Participant information form (step 1/3)

1. Country:

2. Year of birth:

3. Sex: Female Male

4. Highest educational degree you have obtained:

5. Select the occupation from the list that best describes your profession

<input type="checkbox"/> Medicine	<input type="checkbox"/> Nursing	<input type="checkbox"/> Midwifery
<input type="checkbox"/> Dentistry	<input type="checkbox"/> Pharmacy	<input type="checkbox"/> Health information manager (coders, medical records)
<input type="checkbox"/> Environmental and occupational health and hygiene	<input type="checkbox"/> Physiotherapy or Physical therapy	<input type="checkbox"/> Nutrition
<input type="checkbox"/> Social Sciences	<input type="checkbox"/> Psychology	<input type="checkbox"/> Social work and counselling
<input type="checkbox"/> Health Policy	<input type="checkbox"/> Traditional and complementary medicine	
<input type="checkbox"/> Other		

6. Select the occupation from the list that best describes your profession

<input type="checkbox"/> Cardiology	<input type="checkbox"/> Environmental Health	<input type="checkbox"/> Genitourinary, Reproductive, and Maternal Health
<input type="checkbox"/> Endocrinology	<input type="checkbox"/> Gastroenterology	<input type="checkbox"/> Haematology
<input type="checkbox"/> Hepato-pancreatobiliary	<input type="checkbox"/> Internal Medicine	<input type="checkbox"/> Injuries and External Causes of Disease
<input type="checkbox"/> Mental Health	<input type="checkbox"/> Musculoskeletal Conditions	<input type="checkbox"/> Neoplasms and Oncology
<input type="checkbox"/> Nephrology	<input type="checkbox"/> Neurology	<input type="checkbox"/> Nutrition
<input type="checkbox"/> Ophthalmology	<input type="checkbox"/> Oral Health - Dentistry	<input type="checkbox"/> Pediatrics
<input type="checkbox"/> Rare Diseases	<input type="checkbox"/> Respiratory Conditions	<input type="checkbox"/> Rheumatology
<input type="checkbox"/> Traditional Medicine/Complementary and Alternative Medicine		
<input type="checkbox"/> Other		

The second step is the declaration of conflict of interests:

Participant information form (step 2/3)

Declaration of interests for WHO experts

Title of meeting or work to be performed, including description of subject-matter, substance (compounds and organisms), technology or process to be considered: ICD-11 Revision Project

Public health considerations have a primary importance in all WHO technical work. Measures need to be taken to ensure that the best possible assessment of scientific evidence is achieved in an independent atmosphere free of either direct or indirect pressures. Thus, to assure the technical integrity and impartiality of WHO's work, it is necessary to avoid situations in which financial or other interests might affect the outcome of that work.

Each expert is therefore asked to declare any interests that could constitute a real, potential or apparent conflict of interest, with respect to his/her involvement in the meeting or work, between (1) commercial entities and the participant personally, and (2) commercial entities and the administrative unit with which the participant has an employment relationship. "Commercial entity" refers to any company, association (e.g., trade association), organization or any other entity of any nature whatsoever, with commercial interests.

In addition, as a result of WHO's strong stance against tobacco use, it is considered relevant for the Organization to know whether experts working with it have, or have had, any relationship with any part of what may be called "the tobacco industry". Nevertheless, declaration of such an interest would not necessarily be considered a reason to disqualify an expert.

What is a conflict of interest?
Conflict of interest means that the expert or his/her partner ("partner" includes a spouse or other person with whom s/he has a similar close personal relationship), or the administrative unit with which the expert has an employment relationship, has a financial or other interest that could unduly influence the expert's position with respect to the subject-matter being considered. An apparent conflict of interest exists when an interest would not necessarily influence the expert but could result in the expert's objectivity being questioned by others. A potential conflict of interest exists with an interest which any reasonable person could be uncertain whether or not should be reported.

Different types of financial or other interests, whether personal or with the administrative unit with which the expert has an employment relationship, can be envisaged and the following list, which is not exhaustive, is provided for your guidance. For example, the following types of situations should be declared:

1. a current proprietary interest in a substance, technology or process (e.g. ownership of a patent), to be considered in - or otherwise related to the subject-matter of - the meeting or work;
2. a current financial interest, e.g. shares or bonds, in a commercial entity with an interest in the subject-matter of the meeting or work (except share holdings through general mutual funds or similar arrangements where the expert has no control over the selection of shares);
3. an employment, consultancy, directorship, or other position during the past 4 years, whether or not paid, in any commercial entity which has an interest in the subject-matter of the meeting/work, or an ongoing negotiation concerning prospective employment or other association with such commercial entity;
4. performance of any paid work or research during the past 4 years commissioned by a commercial entity with interests in the subject-matter of the meetings or work;
5. payment or other support covering a period within the past 4 years, or an expectation of support for the future, from a commercial entity with an interest in the subject-matter of the meetings or work, even if it does not convey any benefit to the expert personally but which benefits his/her position or administrative unit, e.g. a grant or fellowship or other payment, e.g. for the purpose of financing a post or consultancy.

With respect to the above, an interest in a competing substance, technology or process, or an interest in or association with, work for or support by a commercial entity having a direct competitive interest must similarly be disclosed.

How to complete this Declaration: Please complete this Declaration and submit it to the Secretariat. Any financial or other interests that could constitute a real, potential or apparent conflict of interest should be declared (1) with respect to yourself or partner, as well as (2) with respect to the administrative unit with which you have an employment relationship. Only the name of the commercial entity and the nature of the interest is required to be disclosed, no amounts need to be specified (though they may be, if you consider this information to be relevant to assessing the interest). With respect to items 1 and 2 in the list above, the interest should only be declared if it is current. With respect to items 3, 4 and 5, any interest during the past 4 years should be declared. If the interest is no longer current, please state the year when it ceased. With respect to item 5, the interest ceases when a financed post or fellowship is no longer occupied, or when support for an activity ceases.

Assessment and outcome: The information submitted by you will be used to assess whether the declared interests constitute an appreciable real, potential or apparent conflict of interest. Such conflict of interest will, depending on the situation, result in (i) you being asked not to take part in the portion of the discussion or work affecting that interest, (ii) being asked not to take part in the meeting or work altogether, or (iii) if deemed by WHO to be appropriate to the particular circumstances, and with your agreement, you taking part in the meeting or work and your interest being publicly disclosed.

Information disclosed on this Form may be made available to persons outside of WHO only when the objectivity of the meeting or work has been questioned such that the Director-General considers disclosure to be in the best interests of the Organization, and then only after consultation with you.

Declaration: Have you or your partner any financial or other interest in the subject-matter of the meeting or work in which you will be involved, which may be considered as constituting a real, potential or apparent conflict of interest?
If yes, please give details in the box below.
 Yes No

Do you have, or have you had during the past 4 years, an employment or other professional relationship with any entity directly involved in the production, manufacture, distribution or sale of tobacco or any tobacco products, or directly representing the interests of any such entity?
If yes, please give details in the box below.
 Yes No

Type of interest, e.g. patent, shares, employment, association, payment (including details on any compound, work, etc.)

Name of commercial entity	Belongs to you, partner or unit?	Current interest? (or year ceased)
<input type="text"/>	<input type="text"/>	<input type="text"/>

Is there anything else that could affect your objectivity or independence in the meeting or work, or the perception by others of your objectivity and independence?

I hereby declare that the disclosed information is correct and that no other situation of real, potential or apparent conflict of interest is known to me. I undertake to inform you of any change in these circumstances, including if an issue arises during the course of the meeting or work itself.
 I have filled and signed the attached Declaration of Conflict of Interest

The last step is the license agreement for WHO classifications:

ICHI-FIT v1.3.2🏠 Rater 🔒 Logout

🔗 Participant information form (step 3/3)

License and Contribution Agreement

1. By accepting the terms and conditions in this License and Contribution Arrangement, you, as an individual, are authorized to use WHO ICHI Classification for the purposes of developing and testing
2. WHO Classifications and ICHI are the intellectual property of World Health Organization (WHO). WHO reserves the right to change the format and content of its products
3. You are granted a non-exclusive, non-assignable and non-sublicensable License to use the WHO Classifications for non-commercial research and analysis in order to develop and test them
4. You agree to be bound by the following conditions:
 - 4.1 You agree to use the WHO Classifications only for developing and testing purposes
 - 4.2 You agree not to take any steps to create a copy, replacement or substitute of the WHO Classifications
 - 4.3 You agree not to incorporate WHO Classifications in any publicly accessible computer-based systems
 - 4.4 You agree not to develop a third party product containing the WHO Classifications
 - 4.5 You agree that you will not transfer your License to any third party
 - 4.6 You warrant that you have the right to assign the intellectual property in any contributions made to the WHO
 - 4.7 In case of concerns regarding the above (a to f) you agree to contact WHO to obtain additional appropriate license(s)
5. You agree that you will not transmit your work provided under this License and Contribution Arrangement other than to WHO
6. You agree not to claim any copyright, or to apply for any trademark or service mark for a product name containing either the acronym or the full title of the WHO Classifications (including ICHI, ICD, ICF, and others)
7. You agree that you have the intellectual property of your contribution and you transfer this right to the WHO ICHI as an international public good. You waive any moral rights you may have with regard to your contribution
8. If you use any copyrighted material in your contribution you agree to declare it and identify the source and ensure its appropriate representation
9. This License and Contribution Arrangement does not create a joint venture, partnership, agency or other relationship between you and the World Health Organization
10. The information on the web site is provided "as is" without warranty of any kind. In no event will the WHO be liable to you for any damages, including any lost profits, lost savings or incidental or consequential damages arising out of the use or inability to use any information provided on this website. This website is for scientific use only for developing ICHI and WHO disclaims responsibility for any consequences or liability attributable to or related to any use, non-use, or interpretation of information contained or not contained in this website
11. This License and Contribution Arrangement will terminate if WHO no longer needs contributions under this arrangement or if you breach its terms; in this case WHO reserves the right to block your access to this site. Upon termination, you agree to destroy any copies or backups of this information
12. Every effort will be made to resolve amicably any matter that may arise concerning this License and Contribution Arrangement or issues related thereto. In the unlikely event an amicable resolution cannot be found, the matter will be resolved by conciliation or by arbitration in accordance with the UNCITRAL Arbitration Rules, with the arbitral award being final. Nothing in or relating to this License shall be deemed a waiver of any of the privileges and immunities of WHO in conformity with the Convention on the Privileges and Immunities of the Specialized Agencies approved by the General Assembly of the United Nations on November 21, 1947 or otherwise under any national or international law, convention or agreement

I have read and accept the License and Contribution Agreement

✔ Save ✘ Cancel

Main rater pages

After login, the rater is directed to a specific summary page that lists the studies available for him/her. His/her summary page contains links to forms related to all studies to which the rater has been assigned. A progress bar under the study icons in the main page show the advancement status.

The next screenshot shows the main page:

ICHII-FiT v1.3.2 Rater Settings Logout

HOME

Verdi Giuseppe

Language: English
Unique Participant Number: AUS.01.01.002
Field Trial Centre: TEST-FTC
Field Trial Site: TEST-FTS

Study
Sample interventions
(DEMO STUDY)

Study
Primary Care Interventions

Study
Public Health Interventions

Study
Medical/surgical
interventions (Line coding)

Study
Medical/surgical
interventions (Case coding)

Study
Functioning interventions
(Line coding)

Study
Functioning interventions
(Case coding)

The Study consists in rating a number of cases, that are shown as a list when clicking on the icon, as shown in the next screenshot:

The screenshot shows the ICHI-FIT v1.3.2 web interface. At the top, there is a dark red header with the text "ICHI-FIT v1.3.2" on the left and "Rater", "Settings", and "Logout" on the right. Below the header, a breadcrumb trail reads "HOME / STUDY - SAMPLE INTERVENTIONS (DEMO STUDY)".

The main content area has a "Go back" link with a left-pointing arrow. Below this is a section titled "Study - Sample interventions (DEMO STUDY)" with a folder icon. Underneath, there is a "Study" section containing a box labeled "ICHI Sample interventions".

The "Cases" section contains a table with 10 rows. The table has four columns: "case", "type", "steps", and "assignment". Each row represents a case number from 1 to 10. The "type" column contains a link icon, the "steps" column contains a checkbox (checked for cases 1 and 2, unchecked for others), and the "assignment" column contains the date "2019-05-31".

case	type	steps	assignment
1	🔗	<input checked="" type="checkbox"/>	2019-05-31
2	🔗	<input checked="" type="checkbox"/>	2019-05-31
3	🔗	<input type="checkbox"/>	2019-05-31
4	🔗	<input type="checkbox"/>	2019-05-31
5	🔗	<input type="checkbox"/>	2019-05-31
6	🔗	<input type="checkbox"/>	2019-05-31
7	🔗	<input type="checkbox"/>	2019-05-31
8	🔗	<input type="checkbox"/>	2019-05-31
9	🔗	<input type="checkbox"/>	2019-05-31
10	🔗	<input type="checkbox"/>	2019-05-31

This is the screenshot of the form that the rater must fill. He/she starts with the ICHI coding.

[Go back](#)

Case

Study

Study - Sample interventions (DEMO STUDY)
 ICHI Sample interventions

Number

3

Case Summary

Transfusion of plasma

ICHI Code Assignment Form

1. *ICHI code(s) you would assign to this intervention*

[ICHI Platform](#)

1st code

ICHI code

2nd code

ICHI code

3rd code

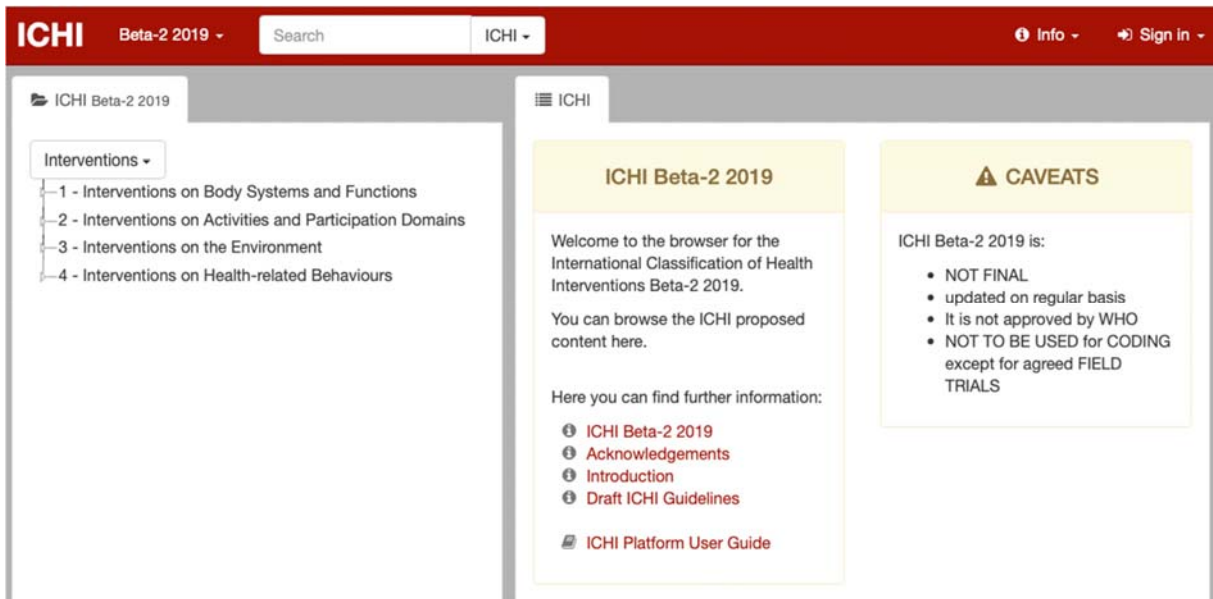
ICHI code

2. Did you experience any difficulty in assigning a code(s) to this case?

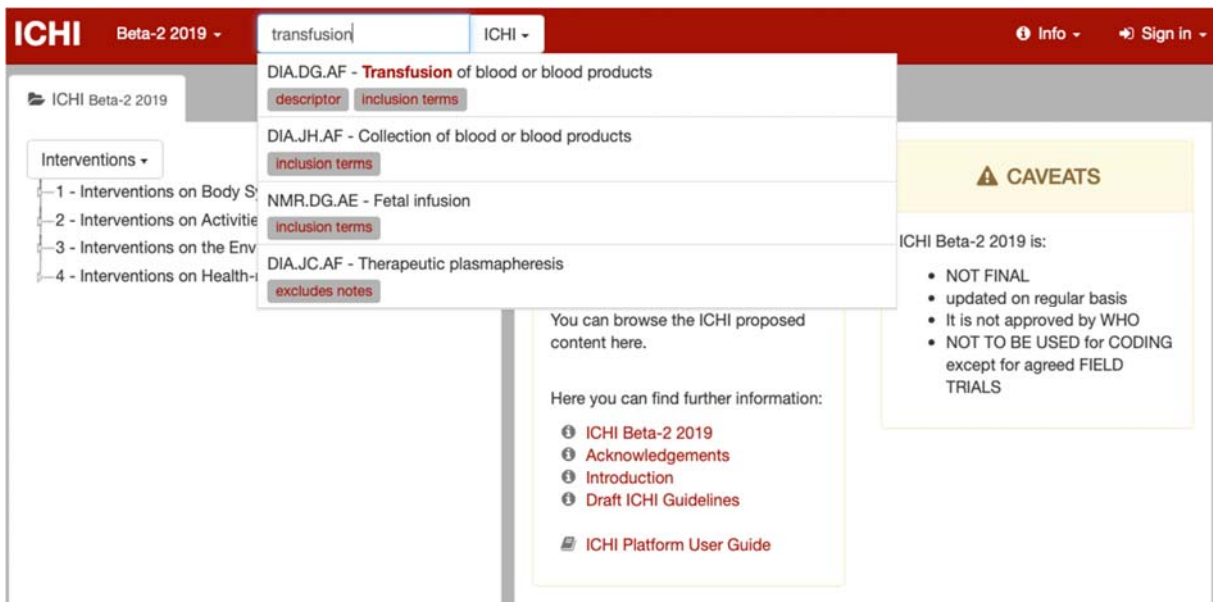
Yes No

[Next](#)

On the right of the ICHI code field there is a link to the ICHI platform to helping the user during the coding.



The rater can search interventions, targets, actions, means, and extension codes by selecting the appropriate item on the search menu:



ICHI Beta-2 2019 transfusion ICHI - Info Sign in

ICHI Beta-2 2019 DIA.DG.AF ICHI Comments

<http://id.who.int/ichi/entity/64598463>

Interventions -

- 1 - Interventions on Body Systems and Functions
 - 01 - Interventions on the Nervous System and Mental Function
 - 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
 - DIA.DG.AF - Transfusion of blood or blood products**
 - DIA.JC.AF - Therapeutic plasmapheresis
 - DIA.JH.AF - Collection of blood or blood products
 - DIA.KD.AF - Stem cell transplant
 - DJ - Spleen
 - DT - Functions of haematopoietic and reticuloendothelial system
 - DZ - Haematopoietic and reticuloendothelial system, unspecified
 - 05 - Interventions on the Endocrine System
 - 06 - Interventions on the Circulatory System
 - 07 - Interventions on the Respiratory System and Voice and Hearing
 - 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
- 2 - Interventions on Activities and Participation Domains
- 3 - Interventions on the Environment
- 4 - Interventions on Health-related Behaviours

ICHI code	DIA.DG.AF
Target	DIA - Blood
Action	DG - Transfusion
Means	AF - Percutaneous transluminal
ICHI descriptor	Transfusion of blood or blood products
Definition	
Inclusion Terms	Autotransfusion; Exchange transfusion; Injection [transfusion] of antivenin; Intraoperative cell salvage; Perioperative autologous transfusion of whole blood or blood components; Transfusion NOS; Transfusion or infusion of: antihaemophilic factor; blood expander; blood component; blood NOS; blood surrogates; coagulation factors; Dextran; gamma globulin; granulocytes; other serum; other substance; other whole blood; packed cells; plasma; platelets; previously collected autologous blood; thrombocytes
Includes Notes	
Code also	
Excludes Notes	stem cell transplant (DIA.KD.AF); therapeutic plasmapheresis (DIA.JC.AF); transplantation [transfusion] of bone marrow (DGA.KD.AF)

ICHI Platform v1.14.9 - © Copyright World Health Organization (WHO), 2019. All Rights Reserved.

Each ICHI code field may contain a single stem code, or a stem code plus one or more extension codes, each separated by an “&” (ampersand) character. The rater can search extension codes in the ICHI platform by using the top search field, and selecting “Extension codes” in the menu.

ICHI Beta-2 2019 - plasma ExtensionCodes - Info - Sign in

Plasma substitutes

XM3YQ9 - N	XA7UR0 - Plasma
XM04N3 - B	title
XM5WD4 - /	XM04N3 - Blood plasma
XM5GG5 - E	title
XM6HF0 - H	XM0UB2 - Antihemophilic human plasma
XM6BM2 - E	title
XM8TU6 - W	XM1H99 - Plasma protein fraction
XM8QV9 - F	title
XM9TT2 - EI	XM2KH0 - Antihemophilic plasma, dried
XM9JK6 - FI	title
XM1H99 - P	XM4WR9 - Plasma expander
XM44Z6 - Fi	title
XM79U3 - E	title
XM7150 -	Albumin human serum

http://id.who.int/ichi/entity/2046449165

1/2018/mms/936939583

In the following a stem code plus extension has been put in the first code field:

Go back

Case

Study

Study - Sample interventions (DEMO STUDY)
 ICHI Sample interventions

Number

3

Case Summary

Transfusion of plasma

ICHI Code Assignment Form

1. *ICHI* code(s) you would assign to this intervention ICHI Platform

1st code

DIA.DG.AF&XM04N3

2nd code

ICHI code

3rd code

ICHI code

2. Did you experience any *difficulty in assigning a code(s)* to this case?

Yes No

Next

After having rated every assigned case, an Overall Evaluation Form should be filled by each participant to describe their experience in participating to the field trial study.

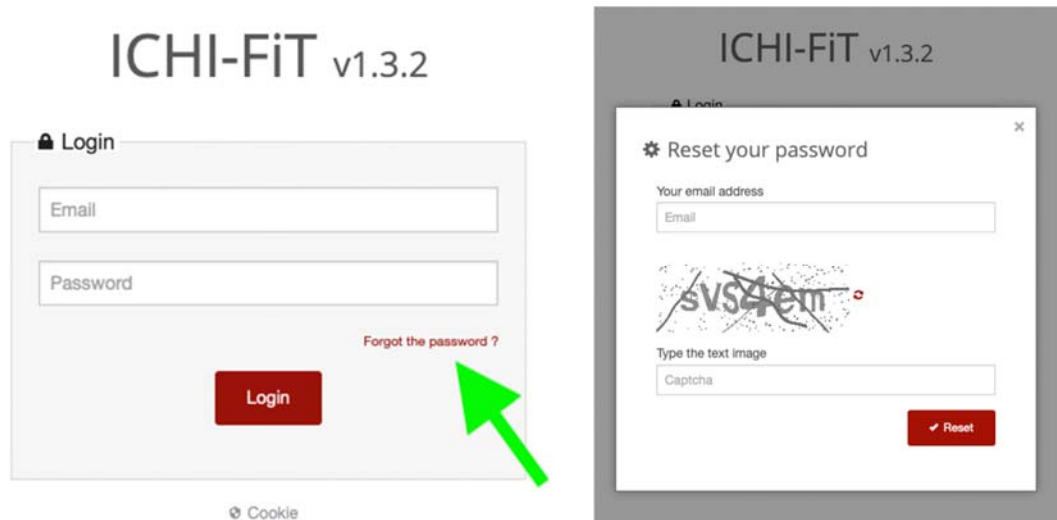
Account settings

Via the settings page the participant can manage your account, the available settings are: language, username, email and password.



Password reset

If the participant has forgotten your password, he/she can use the password reset function located in the login page:



After having filled the email address of your ICHI-FIT account and the correct CAPTCHA, the rater will have received an email with the instructions to reset his/her password.

ICHI-FiT 評価者マニュアル

(ICHI-FiT に参加していただいているあなた方が評価者です)

前書き

これは、ICHI Beta 2 ドラフトのフィールドテスト実施をサポートすることを目的とした、ICHI-FiT (ICHI フィールドテスト) と呼ばれる Web ベースのアプリケーションのユーザーマニュアルです。

Web アプリケーション

Web ベースのアプリケーションは、現在イタリアのウーディネ大学数学・コンピュータ科学科によって運営されています。イタリアの WHO FIC コラボレーションセンターと提携しています。システムの仮アドレスは次のとおりです。

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

評価者

評価者は、分類ユーザーとして研究に参加するという基本的な作業を実行します。招待により登録を行い、参加者フォームに記入してください。その後、自分の Web ページにアクセスし、実地試験研究で割り当てられたケースをチェックし、関連フォームに記入し、そしてスタディのすべてのケースを完了した後に最終評価フォームにも記入する必要があります。

ユーザー登録

ICHI-FiT は、さまざまなレベルに於いて、招待ユーザーにのみ公開されています。一般公開されているページはありません。そのため、どのような作業もログインページでフィルタリングされます。Web アプリケーションの最初のページにアクセスするとき、ユーザーはユーザー名とパスワードを入力するように要求されます。登録ページへのリンクはありません。システムへの登録は、ICHI フィールドトライアルセンター (※フィールドトライアルの管理者) または ICHI フィールドセンターのサイトコーディネーター (※フィールドテスト事務局) による電子メールによる招待があった場合にのみ可能です。

※以下のような招待メールが届きます

<p>ICHI-FiT invitation</p> <p>Hello, this is an ICHI-FiT invitation.</p> <p>Please follow this link Invitation</p> <p>Thank you</p>	<p>ICHI-FIT への招待</p> <p>こんにちは、 これは ICHI-FIT の招待状です。 このリンクをクリックしてください 招待状</p> <p>ありがとうございました</p>
--	--

送られたメール文には、ICHI-FIT への登録ページに進むことができる「招待状」があり、クリックすると以下のサイトに進むことができます。

The screenshot shows the ICHI-FIT registration form with the following fields and annotations:

- Registration form** (header)
- ICHI-FIT Language**: English (Annotation: ICHI-FIT の言語を選択します (English しか選択できません))
- Your first name**: Vincenzo (Annotation: 評価者の名前を登録します (first name は名前、surname は苗字です))
- Your middle name**: (empty)
- Your surname**: Della Mea
- Your email**: (empty) (Annotation: 評価者の E-mail アドレスを登録します (個人のものを使ってください。2人で同じアドレスは使用できません))
- Choose password**: (Annotation: パスワードを登録します)
- Confirm password**: (Annotation: パスワードの確認のため、上記と同じパスワードを入力します)
- Submit** button (Annotation: すべて入力したら、「Submit」をクリックしこのページは終了です)
- Cookie icon at the bottom.

登録後(「Submit」をクリック後)、評価者は3つのフォームの案内があります。

最初のフォームではユーザ情報を登録します。

右の「▼」をクリックして「Japan」を選択します

右の「▼」をクリックしてあなたの生年月日を選択します

女性は Female の左の○を、男性は male の左の○をチェックします

Participant information form (step 1/3)

1. Country: Antigua and Barbuda

2. Year of birth: 1967

3. Sex: Female Male

4. Highest educational degree you have obtained: Pre-University

5. Select the occupation from the list that best describes your profession

<input type="checkbox"/> Medicine	<input type="checkbox"/> Nursing	<input type="checkbox"/> Midwifery 助産師
<input type="checkbox"/> Dentistry	<input type="checkbox"/> Pharmacy	<input type="checkbox"/> Health information manager (coders, medical records) 健康情報管理者
<input type="checkbox"/> Environmental and occupational health and hygiene	<input type="checkbox"/> Physiotherapy or Physical therapy	<input type="checkbox"/> Nutrition
<input type="checkbox"/> Social Sciences	<input type="checkbox"/> Psychology	<input type="checkbox"/> Social work and counselling
<input type="checkbox"/> Health Policy	<input type="checkbox"/> Traditional and complementary medicine	
<input type="checkbox"/> Other		

6. Select the occupation from the list that best describes your profession

<input type="checkbox"/> Cardiology	<input type="checkbox"/> Environmental Health	<input type="checkbox"/> Genitourinary, Reproductive, and Maternal Health
<input type="checkbox"/> Endocrinology	<input type="checkbox"/> Gastroenterology	<input type="checkbox"/> Haematology
<input type="checkbox"/> Hepato-pancreatobiliary	<input type="checkbox"/> Internal Medicine	<input type="checkbox"/> Injuries and External Causes of Disease
<input type="checkbox"/> Mental Health	<input type="checkbox"/> Musculoskeletal Conditions	<input type="checkbox"/> Neoplasms and Oncology
<input type="checkbox"/> Nephrology	<input type="checkbox"/> Neurology	<input type="checkbox"/> Nutrition
<input type="checkbox"/> Ophthalmology	<input type="checkbox"/> Oral Health - Dentistry	<input type="checkbox"/> Pediatrics
<input type="checkbox"/> Rare Diseases	<input type="checkbox"/> Respiratory Conditions	<input type="checkbox"/> Rheumatology
<input type="checkbox"/> Traditional Medicine/Complementary and Alternative Medicine		
<input type="checkbox"/> Other		

Save Cancel

最終学歴を右の「▼」をクリックして選択します

職業を左の口をチェックして選択します。診療情報管理士等の事務職は「Health information manager (coders, medical records) 健康情報管理者」でしょうか？

あなたの専門を左の口をチェックして選択します。医師用かもしれませんが、「Other」を選択すると何かを入力しなければなりません。適当に得意の専門分野 1 つを選択してください。

すべて入力したら、「Submit」をクリックしこのページは終了です

第2ステップは利益相反の宣言です。

Participant information form (step 2/3)

Declaration of interests for WHO experts

Title of meeting or work to be performed, including description of subject-matter, substance (compounds and organisms), technology or process to be considered: ICD-11 Revision Project

Public health considerations have a primary importance in all WHO technical work. Measures need to be taken to ensure that the best possible assessment of scientific evidence is achieved in an independent atmosphere free of either direct or indirect pressures. Thus, to assure the technical integrity and impartiality of WHO's work, it is necessary to avoid situations in which financial or other interests might affect the outcome of that work.

Each expert is therefore asked to declare any interests that could constitute a real, potential or apparent conflict of interest, with respect to his/her involvement in the meeting or work, between (1) commercial entities and the participant personally, and (2) commercial entities and the administrative unit with which the participant has an employment relationship. "Commercial entity" refers to any company, association (e.g., trade association), organization or any other entity of any nature whatsoever, with commercial interests.

In addition, as a result of WHO's strong stance against tobacco use, it is considered relevant for the Organization to know whether experts working with it have, or have had, any relationship with any part of what may be called "the tobacco industry". Nevertheless, declaration of such an interest would not necessarily be considered a reason to disqualify an expert.

What is a conflict of interest?

Conflict of interest means that the expert or his/her partner ("partner" includes a spouse or other person with whom s/he has a similar close personal relationship), or the administrative unit with which the expert has an employment relationship, has a financial or other interest that could unduly influence the expert's position with respect to the subject-matter being considered. An apparent conflict of interest exists when an interest would not necessarily influence the expert but could result in the expert's objectivity being questioned by others. A potential conflict of interest exists with an interest which any reasonable person could be uncertain whether or not should be reported.

Different types of financial or other interests, whether personal or with the administrative unit with which the expert has an employment relationship, can be envisaged and the following list, which is not exhaustive, is provided for your guidance. For example, the following types of situations should be declared:

1. a current proprietary interest in a substance, technology or process (e.g. ownership of a patent), to be considered in - or otherwise related to the subject-matter of - the meeting or work;
2. a current financial interest, e.g. shares or bonds, in a commercial entity with an interest in the subject-matter of the meeting or work (except share holdings through general mutual funds or similar arrangements where the expert has no control over the selection of shares);
3. an employment, consultancy, directorship, or other position during the past 4 years, whether or not paid, in any commercial entity which has an interest in the subject-matter of the meeting/work, or an ongoing negotiation concerning prospective employment or other association with such commercial entity;
4. performance of any paid work or research during the past 4 years commissioned by a commercial entity with interests in the subject-matter of the meetings or work;
5. payment or other support covering a period within the past 4 years, or an expectation of support for the future, from a commercial entity with an interest in the subject-matter of the meetings or work, even if it does not convey any benefit to the expert personally but which benefits his/her position or administrative unit, e.g. a grant or fellowship or other payment, e.g. for the purpose of financing a post or consultancy.

With respect to the above, an interest in a competing substance, technology or process, or an interest in or association with, work for or support by a commercial entity having a direct competitive interest must similarly be disclosed.

How to complete this Declaration: Please complete this Declaration and submit it to the Secretariat. Any financial or other interests that could constitute a real, potential or apparent conflict of interest should be declared (1) with respect to yourself or partner, as well as (2) with respect to the administrative unit with which you have an employment relationship. Only the name of the commercial entity and the nature of the interest is required to be disclosed, no amounts need to be specified though they may be, if you consider this information to be relevant to assessing the interest. With respect to items 1 and 2 in the list above, the interest should only be declared if it is current. With respect to items 3, 4 and 5, any interest during the past 4 years should be declared. If the interest is no longer current, please state the year when it ceased. With respect to item 5, the interest ceases when a financed post or fellowship is no longer occupied, or when support for an activity ceases.

Assessment and outcome: The information submitted by you will be used to assess whether the declared interests constitute an appreciable real, potential or apparent conflict of interest. Such conflict of interest will, depending on the situation, result in (i) you being asked not to take part in the portion of the discussion or work affecting that interest, (ii) being asked not to take part in the meeting or work altogether, or (iii) if deemed by WHO to be appropriate to the particular circumstances, and with your agreement, you taking part in the meeting or work and your interest being publicly disclosed.

Information disclosed on this Form may be made available to persons outside of WHO only when the objectivity of the meeting or work has been questioned such that the Director-General considers disclosure to be in the best interests of the Organization, and then only after consultation with you.

Declaration: Have you or your partner any financial or other interest in the subject-matter of the meeting or work in which you will be involved, which may be considered as constituting a real, potential or apparent conflict of interest?

If yes, please give details in the box below.
 Yes No

特に利益相反がなければ、「No」の左の○をチェックします。

Do you have, or have you had during the past 4 years, an employment or other professional relationship with any entity directly involved in the production, manufacture, distribution or sale of tobacco or any tobacco products, or directly representing the interests of any such entity?

If yes, please give details in the box below.
 Yes No

特に利益相反がなければ、「No」の左の○をチェックします。

Type of interest, e.g. patent, shares, employment, association, payment (including details on any compound, work, etc.)

Name of commercial entity: _____

Belongs to you, partner or unit? Yes No

Current interest? (or year ceased): _____

Is there anything else that could affect your objectivity or independence in the meeting or work, or the perception by others of your objectivity and independence?

正しく入力できましたら左の口をチェックします。
 クリックしないと先にすすめません。

I hereby declare that the disclosed information is correct and that no other situation of real, potential or apparent conflict of interest is known to me. I undertake to inform you of any change in these circumstances, including if an issue arises during the course of the meeting or work itself.

I have filled and signed the attached Declaration of Conflict of Interest

すべて入力したら、「Submit」をクリックし
 このページは終了です

最後のステップは、WHO 分類の使用許諾契約です。

ICHI-FIT v1.3.2 Rater Logout

Participant information form (step 3/3)

License and Contribution Agreement

1. By accepting the terms and conditions in this License and Contribution Arrangement, you, as an individual, are authorized to use WHO ICHI Classification for the purposes of developing and testing
2. WHO Classifications and ICHI are the intellectual property of World Health Organization (WHO). WHO reserves the right to change the format and content of its products
3. You are granted a non-exclusive, non-assignable and non-sublicensable License to use the WHO Classifications for non-commercial research and analysis in order to develop and test them
4. You agree to be bound by the following conditions:
 - 4.1 You agree to use the WHO Classifications only for developing and testing purposes
 - 4.2 You agree not to take any steps to create a copy, replacement or substitute of the WHO Classifications
 - 4.3 You agree not to incorporate WHO Classifications in any publicly accessible computer-based systems
 - 4.4 You agree not to develop a third party product containing the WHO Classifications
 - 4.5 You agree that you will not transfer your License to any third party
 - 4.6 You warrant that you have the right to assign the intellectual property in any contributions made to the WHO
 - 4.7 In case of concerns regarding the above (a to f) you agree to contact WHO to obtain additional appropriate license(s)
5. You agree that you will not transmit your work provided under this License and Contribution Arrangement other than to WHO
6. You agree not to claim any copyright, or to apply for any trademark or service mark for a product name containing either the acronym or the full title of the WHO Classifications (including ICHI, ICD, ICF, and others)
7. You agree that you have the intellectual property of your contribution and you transfer this right to the WHO ICHI as an international public good. You waive any moral rights you may have with regard to your contribution
8. If you use any copyrighted material in your contribution you agree to declare it and identify the source and ensure its appropriate representation
9. This License and Contribution Arrangement does not create a joint venture, partnership, agency or other relationship between you and the World Health Organization
10. The information on the web site is provided "as is" without warranty of any kind. In no event will the WHO be liable to you for any damages, including any lost profits, lost savings or incidental or consequential damages arising out of the use or inability to use any information provided on this website. This website is for scientific use only for developing ICHI and WHO disclaims responsibility for any consequences or liability attributable to or related to any use, non-use, or interpretation of information contained or not contained in this website
11. This License and Contribution Arrangement will terminate if WHO no longer needs contributions under this arrangement or if you breach its terms; in this case WHO reserves the right to block your access to this site. Upon termination, you agree to destroy any copies or backups of this information
12. Every effort will be made to resolve amicably any matter that may arise concerning this License and Contribution Arrangement or issues related thereto. In the unlikely event an amicable resolution cannot be found, the matter will be resolved by conciliation or by arbitration in accordance with the UNCITRAL Arbitration Rules, with the arbitral award being final. Nothing in or relating to this License shall be deemed a waiver of any of the privileges and immunities of WHO in conformity with the Convention on the Privileges and Immunities of the Specialized Agencies approved by the General Assembly of the United Nations on November 21, 1947 or otherwise under any national or international law, convention or agreement

I have read and accept the License and Contribution Agreement

内容を確認いただき、左の口をチェックします。クリックしないと先にすすめません。

すべて入力したら、「Submit」をクリックしこのページは終了です

評価者のメインページ

ログイン後のメインページには、評価者に割り当てられたテストのアイテム一覧が表示されています。それぞれのアイテムの下に、進捗バーがあり、作業の進捗状況が表示されます。

評価者は自身がテストするアイテムをクリックすると個別の要約ページが開きます。

次のスクリーンショットはメインページを示しています。

ICHU-FIT v1.3.2 Rater Settings Logout

HOME

Verdi Giuseppe

Language: English
Unique Participant Number: AUS.01.01.002
Field Trial Centre: TEST-FTC
Field Trial Site: TEST-FTS

進捗バー

Study
Sample Interventions
(DEMO STUDY)

Study
Primary Care Interventions

Study
Public Health Interventions

Study
Medical/surgical
Interventions (Line coding)

Study
Medical/surgical
Interventions (Case coding)

Study
Functioning interventions
(Line coding)

Study
Functioning interventions
(Case coding)

それぞれのアイテムをクリックすると、個々のページが開きます

このテストでは、多数のケースを評価します。
スクリーンショットに示されているように、リストとして表示されます。

元ページに戻る場合はここをクリックします

個々のテストページの名前

Study - Sample interventions (DEMO STUDY)

Study

ICHI Sample interventions

個々のテストケース

「Case 3」を行う際には、ここをクリックします

case	type	steps	assignment
1	🔗	🟢	2019-05-31
2	🔗	🟢	2019-05-31
3	🔗	🟡	2019-05-31
4	🔗	🟡	2019-05-31
5	🔗	🟡	2019-05-31
6	🔗	🟡	2019-05-31
7	🔗	🟡	2019-05-31
8	🔗	🟡	2019-05-31
9	🔗	🟡	2019-05-31
10	🔗	🟡	2019-05-31

これは評価者が記入しなければならないフォームのスクリーンショットです。ICHI コーディングから始めることになります。

ICH1-FIT v1.3.2 Rater Settings Logout

HOME / STUDY - SAMPLE INTERVENTIONS (DEMO STUDY) / FORM

[Go back](#) 元のページに戻るときはここをクリックします

Case

Study

Study - Sample interventions (DEMO STUDY)
 ICHI Sample interventions

Number 「3」のテストケース

Case Summary 「3」のテストケースの項目の要約

Transfusion of plasma

ICH1 Code Assignment Form

1. ICHI code(s) you would assign to this intervention

1st code ICH1 Platform

ICH1 code

2nd code

ICH1 code

3rd code

ICH1 code

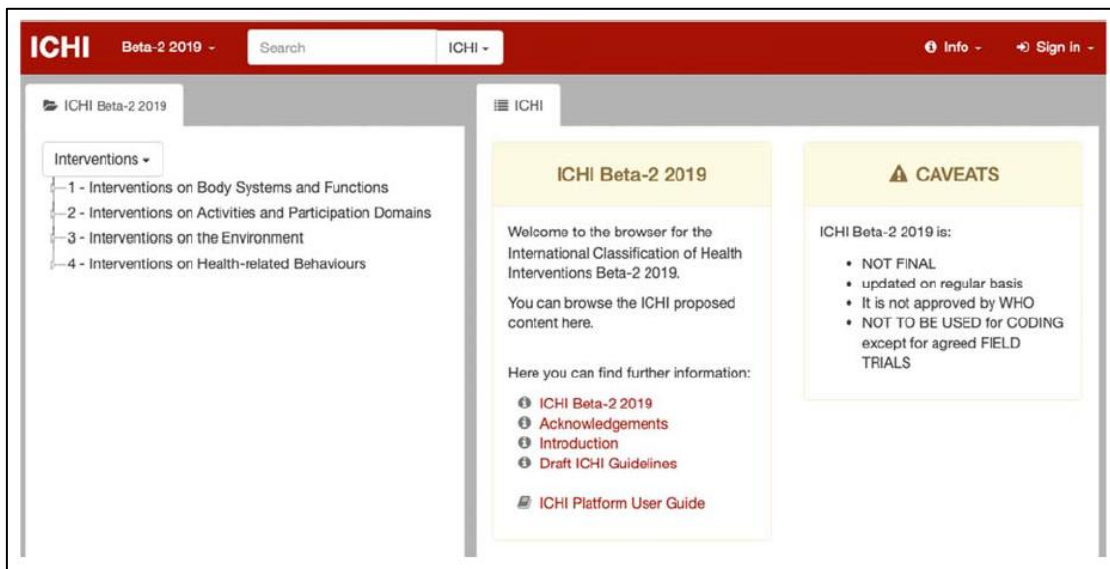
2. Did you experience any difficulty in assigning a code(s) to this case?

Yes No

[Next](#)

ICH1 コードを入力するフィールドの右側には、コーディング中にユーザーを支援するための ICH1 プラットフォームへのリンクがあります。

ICHI プラットフォームの画面です

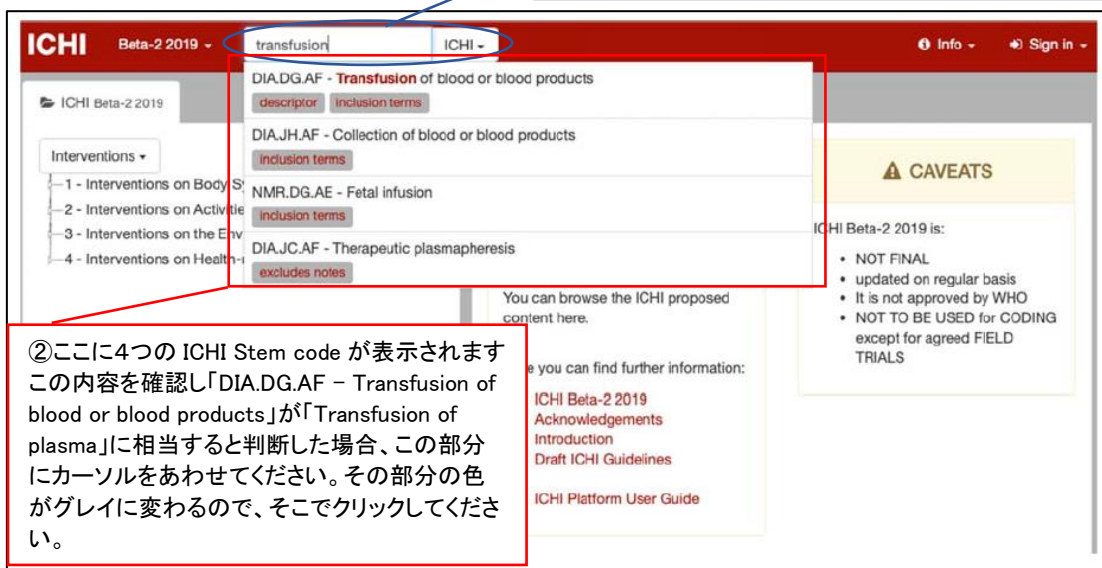


評価者は、検索メニューの適切な項目を選択して、Intervention、Target、Action、Means、および Extension code を検索できます。

ICHI プラットフォーム内での Stem Code 検索

Case Summary は「Transfusion of plasma」ですので、検索メニューが「ICHI▼」になっていることを確認して「transfusion」と入力して下さい

①検索メニューが「ICHI▼」になっていることを確認して「transfusion」と入力してください。



ICHI プラットフォームの画面が、左は「DIA.DG.AF」の掲載されている場所を表し、右は「DIA.DG.AF」の詳細が記載されている画面となります。

The screenshot shows the ICHI platform interface. On the left is a navigation tree under 'Interventions' with 'DIA.DG.AF - Transfusion of blood or blood products' highlighted. On the right is the detailed entry for 'DIA.DG.AF'. The entry includes fields for ICHI code, Target, Action, Means, ICHI descriptor, Definition, Inclusion Terms, Includes Notes, Code also, and Excludes Notes. A callout box points to the 'Inclusion Terms' section, specifically highlighting 'plasma;' and 'packed cells;'.

ICHI code	DIA.DG.AF
Target	DIA - Blood
Action	DG - Transfusion
Means	AF - Percutaneous transluminal
ICHI descriptor	Transfusion of blood or blood products
Definition	
Inclusion Terms	Autotransfusion; Exchange transfusion; Injection [transfusion] of antivenin; Intraoperative cell salvage; Perioperative autologous transfusion of whole blood or blood components; Transfusion NOS; Transfusion or infusion of: antihaemophilic factor; blood expander; blood component; blood NOS; blood surrogates; coagulation factors; Dextran; gamma globulin; granulocytes; other serum; other substance; other whole blood; packed cells; plasma; platelets; previously collected autologous blood; thrombocytes
Includes Notes	
Code also	
Excludes Notes	stem cell transplant (DIA.KD.AF); therapeutic plasmapheresis (DIA.JC.AF); transplantation [transfusion] of bone marrow (DGA.KD.AF)

Inclusion Terms の内容を確認すると「Transfusion or infusion of: plasma;」とあり、この ICHI Stem code で正しいことが確認できます。

ICHI Platform v1.14.9 - © Copyright World Health Organization (WHO), 2019. All Rights Reserved.

ICHI コードは、一つの Stem code (7桁コードです) だけを記載するか
または一つの Stem code と 1 つ以上の Extension codes を組み合わせ、それを「&」で
連結することで完成します。

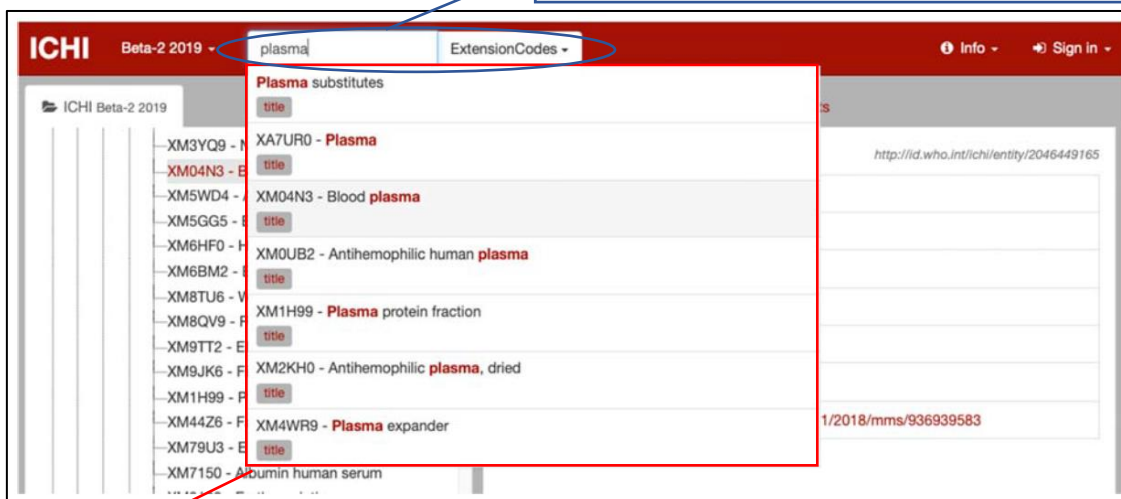
ICHI プラットフォーム内での Extension codes 検索

検索メニューの右の「ICHI▼」の「▼」をクリックすると「Extension codes」が選択できま
すので、これをクリックしてください。

Case Summary は「Transfusion of plasma」ですので、

「ExtensionCodes▼」に変わったことを確認後、その左に「plasma」と入力して下さい。

①検索メニューが「ExtensionCodes▼」になっていることを
確認して「plasma」と入力してください。



②ここに7つの Extension codes が表示されます。
この内容を確認し「XM04N3 - Blood plasma」が
「Transfusion of plasma」に相当すると判断した場
合、この部分にカーソルをあわせてください。
その部分の色がグレイになるので、そこでクリ
ックしてください。

英文での「ICHI-FiT 評価者マニュアル」にはありませんが、「XM04N3 - Blood plasma」を選択した際の画面です。

画面左は「XM04N3」の掲載されている場所を表し、右は「XM04N3」の詳細が記載されている画面となります。

「XM04N3」は Extension codes の中の

- Medicaments
- Other drugs
- Agents primarily affecting blood constituents
- Natural blood and blood products
- XM04N3 - Blood plasma

にあります。こちらから探すことは大変(無理)です。検索機能を使って下さい。

以上より、「Transfusion of plasma」の ICHI コードは、一つの Stem code と 1 つの Extension codes を「&」で連結したコードになります。

ICHI コードは、自分で作成するのではなく、ICHI プラットフォームにあるものを選択しなければなりません。



DIA.DG.AF& XM04N3

評価者のページに戻ります

評価者は ICHI プラットフォームで検索できた ICHI コードを画面に入力します。

← Go back

📄 Case

Study

Study - Sample interventions (DEMO STUDY)
ICHI Sample interventions

Number
3

Case Summary
Transfusion of plasma

📄 ICHI Code Assignment Form

1. *ICHI* code(s) you would assign to this intervention 🔗 ICHI Platform

1st code
DIA.DG.AF&XM04N3

2nd code
ICHI code

3rd code
ICHI code

2. Did you experience any *difficulty in assigning a code(s) to this case*?
 Yes No

Next

ICHI プラットフォームを用いて作成した ICHI コード「DIA.DG.AF& XM04N3」を、ここに入力します。

このケースに対して ICHI コードを附記することが難しかったかをきいています。難しければ「○ Yes」を、そうでなければ「○ No」にチェックしてください。

入力が終了したら、「Next」をクリックしてください。このケースは終了です

割り当てられたすべてのケースを評価した後、評価者は、総合評価フォーム(どこにあるかまだ確認していません)に記入を行い、自身のフィールド・トライアル・スタディ一参加における経験(感想)について述べてください。

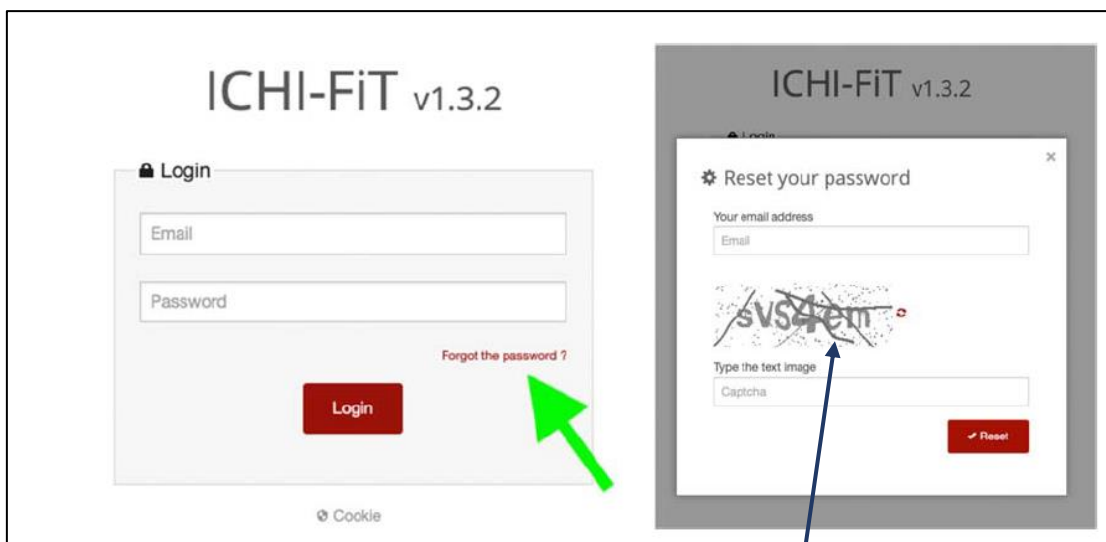
アカウント設定

評価者は「Setting 画面」で、あなたのアカウントを管理、修正することができます。修正可能な設定は言語、ユーザー名、電子メールおよびパスワードだけです。



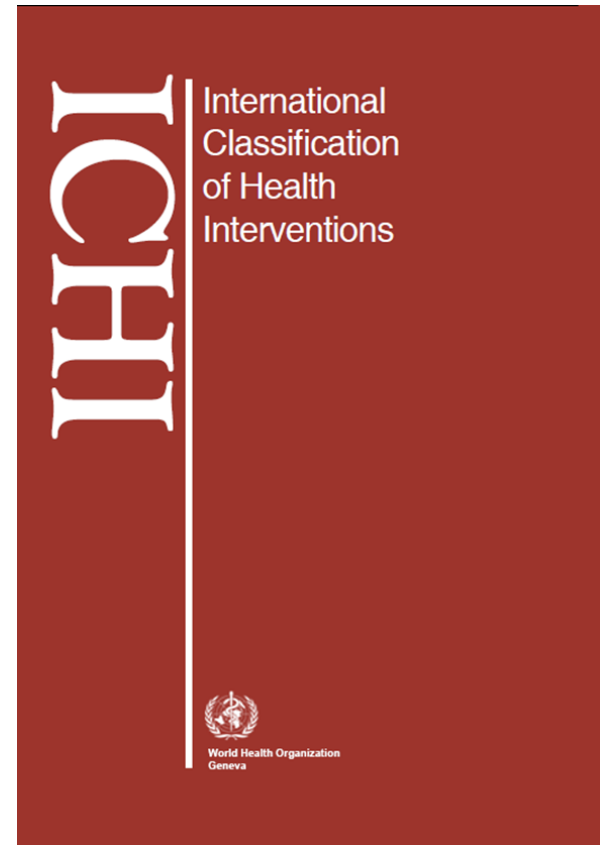
パスワードのリセット

参加者がパスワードを忘れた場合は、ログインページにあるパスワードリセット機能を使用できます。



あなたの ICHI-FIT アカウントの E メールアドレスと正しい CAPTCHA を記入すると、その評価者に、パスワードをリセットするための指示を記載した E メールが送られます。

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?

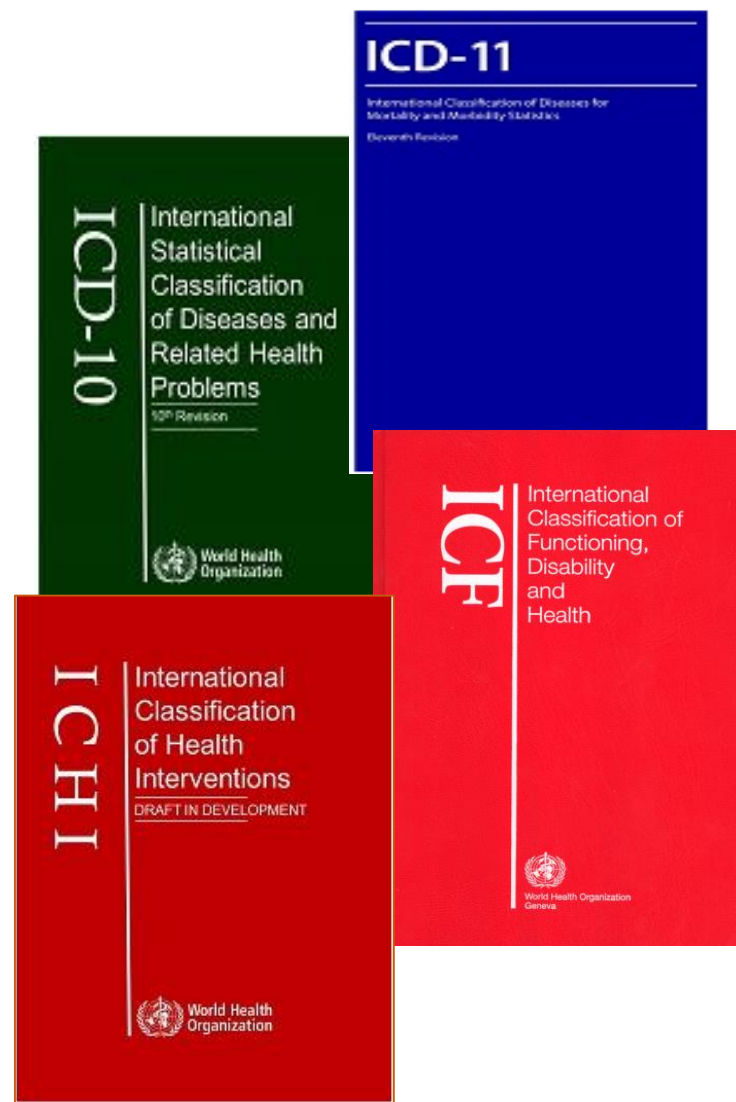
ICHI is a classification of health interventions developed by the World Health Organization (WHO) and The WHO Family of International Classifications (WHO-FIC).

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

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	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	

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', a search bar, and a dropdown menu. On the right of the header are 'Info' and 'Sign in' links. Below the header is a grey navigation bar with a hamburger menu icon and the text '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 for further information: '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.

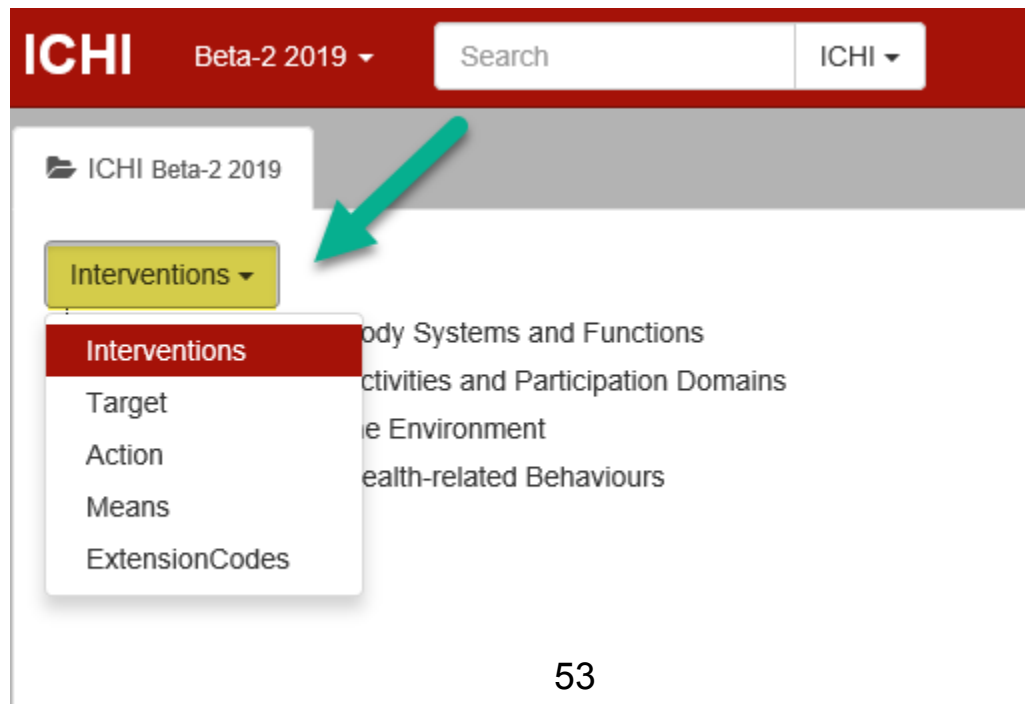
ICHI contains 27 chapters:

Chapters	Interventions on...
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

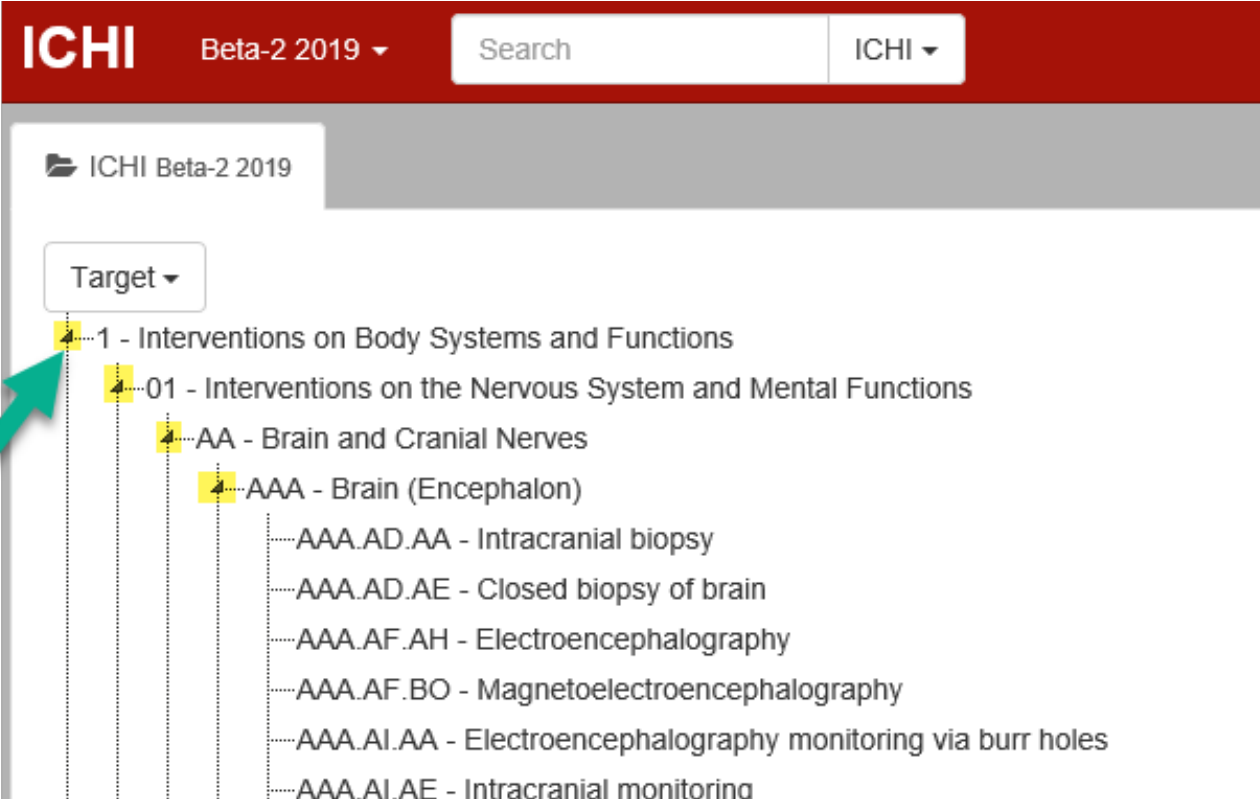
ICHI Components

- 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. Each component is preceded by a small yellow triangle icon. A green arrow points to the triangle next to the first component, '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 Comments	
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

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

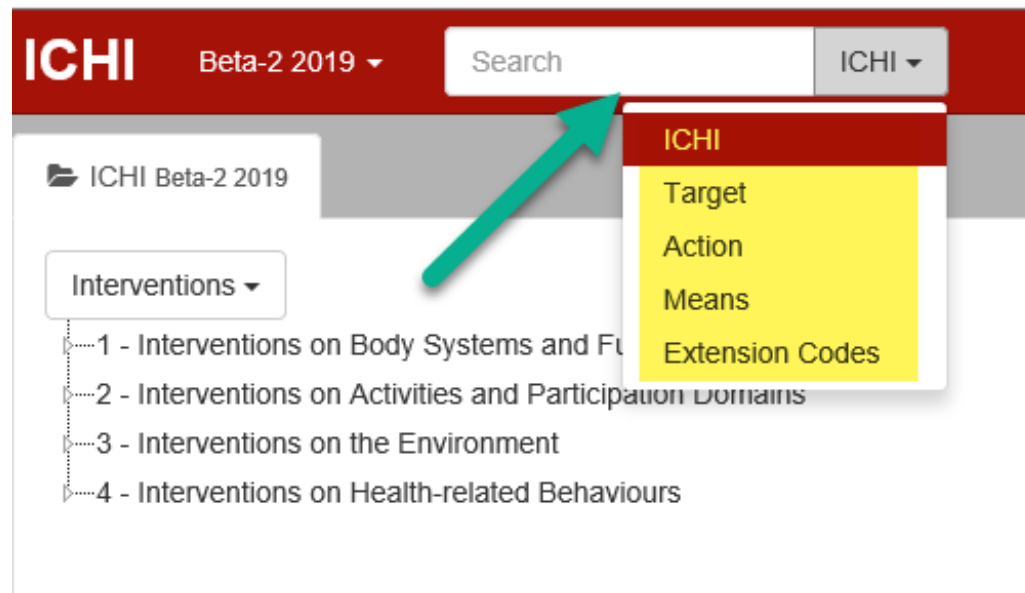
The screenshot shows the ICHI Beta-2 2019 web application interface. The top navigation bar is red with the ICHI logo, the text 'Beta-2 2019', a search box, and a dropdown menu. Below the navigation bar, the main content area is divided into two sections. On the left, there is a tree view of extension codes under the 'ExtensionCodes' component. The tree view includes categories like Quantifiers, Additional descriptive information, Topology, Telehealth, Essential pathology tests, Additional target, Specific Anatomic Detail, Medicaments, Assistive products, and Therapeutic products. Under the 'Topology' category, there is a sub-category 'XCA - Laterality' which contains several codes: XCA1 - Ipsilateral, XCA2 - Bilateral, XCA3 - Left, XCA4 - Right, and XCA9 - Unilateral, unspecified. The 'XCA3 - Left' code is highlighted in yellow, and a green arrow points to it. On the right, there is a table titled 'XCA3 ExtensionCodes' with a 'Comments' link. The table has the following data:

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

A green arrow points to the 'XCA3' value in the 'XCode' row of the table.

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. A search for 'tonsillectomy' is performed, and the results list on the left includes 'DAA.JK.AC - Tonsillectomy'. A detailed view of this code is shown on the right, with a table of details and a table of related codes.

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

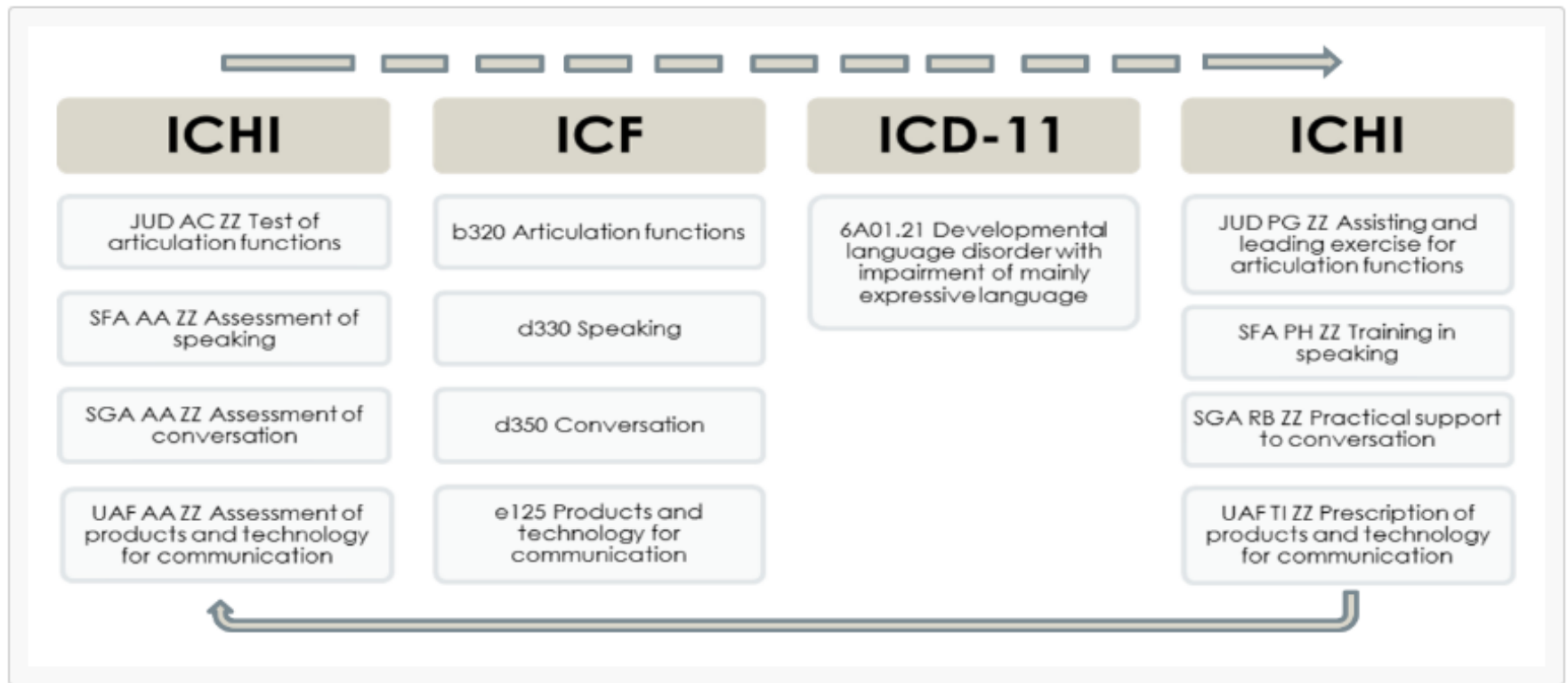
ICD

- 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

- 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. Below the search results, a detailed view of the 'KBF.DL.AJ' code is shown, also with yellow highlights for the code and its descriptor.

code	KBF.DL.AJ
et	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

ICHI Beta-2 2019

repair hernia

Interventions

- 1 - Interventions on Body System
- 01 - Interventions on the head
- 02 - Interventions on the neck
- 03 - Interventions on the thorax
- 04 - Interventions on the upper extremities
- 05 - Interventions on the lower extremities
- 06 - Interventions on the eye
- 07 - Interventions on the ear
- 08 - Interventions on the nose
- 09 - Interventions on the mouth
- 10 - Interventions on the pharynx
- 11 - Interventions on the larynx
- 12 - Interventions on the trachea

PA - Topographical

- PAA.AB.ZZ - BC
- PAA.DP.AH - In
- PAA.LC.AH - At
- PAA.SB.ZZ - AC
- PAA.SO.AH - R
- PAB.AB.AH - M
- PAB.BA.BC - C
- PAB.BA.BD - C
- PAB.BA.BH - M
- PAB.BA.BI - U

MCX.MKAA - **Repair of diaphragmatic hernia**

PAL.MKAA - **Repair of abdominal wall**

PAL.MLAA - **Repair of abdominal wall with graft or prosthesis**

PAM.MKAA - **Repair of inguinal hernia**

PAM.MLAA - **Repair of inguinal hernia with graft or prosthesis**

PAN.MLAA - **Repair of femoral hernia with graft or prosthesis**

MCX.MKAB - **Laparoscopic repair of diaphragmatic hernia**

PAL.MKAB - **Laparoscopic repair of abdominal wall**

PAL.MKAZ - **Repair of abdominal wall, not elsewhere classified**

PAL.MLAB - **Laparoscopic repair of abdominal wall with graft or prosthesis**

PAM.MLAB - **Laparoscopic repair of inguinal hernia with graft or prosthesis**

PAN.MLAB - **Laparoscopic repair of femoral hernia with graft or prosthesis**

PAM.MK.AA ICHI

code: PAM.MK.AA

et: PAM - Abdominal wall, inguinal

n: MK - Repair

is: AA - Open approach

descriptor: Repair of inguinal hernia

ision Terms: 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 bilateral repair of inguinal hernia, one direct and one indirect; Other and open repair of direct inguinal hernia; Other and open repair of indirect inguinal hernia; Unilateral repair of inguinal hernia, NOS

ies Notes:

also:

des Notes: laparoscopic repair of inguinal hernia (PAM.MKAB); laparoscopic repair of inguinal hernia with graft or prosthesis (PAM.MLAB); repair of inguinal hernia with graft or prosthesis (PAM.MLAB)

ICHI Beta-2 2019

repair hernia

ExtensionCodes

- Quantifiers
- Additional descriptive information
 - XB01 - Initiating/maintaining/discontinuing
 - XB02 - Relationship to other intervention(s)
 - XB03 - Unplanned
 - XB03.0 - Unplanned intervention
 - XB04 - Tissue flaps or grafts
 - XB05 - Standardisation or structure
 - XB06 - Use of equipment or challenge
 - XB07 - Enabling factors for behaviour change
 - XB08 - Client
 - XB09 - System level at which intervention directed
 - XB10 - Creative therapy
 - XB11 - Specific skills and techniques
 - XB12 - Ergonomics
 - XB13 - Media campaign
- Topology
 - XCA - Laterality
 - XCA1 - Ipsilateral
 - XCA2 - Bilateral
 - XCA3 - Left
 - XCA4 - Right
 - XCA9 - Unilateral, unspecified

Example 3: 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

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

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

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

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 detailed view of the ICHI code 'DTB.DB.AE' is displayed, with a yellow background and a green arrow pointing to the code itself. The detailed view includes the following information:

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)

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 is highlighted in yellow. A green arrow points to this code in the search results. Another green arrow points to the code ITA.AB.AF in the detailed view table. The detailed view table includes 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 website interface. The top navigation bar is red and contains the ICHI logo, "Beta-2 2019" with a dropdown arrow, a search box, and "ICHI" with a dropdown arrow. Below the navigation bar is a grey header with "ICHI Beta-2 2019" and a folder icon. The main content area shows a dropdown menu for "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

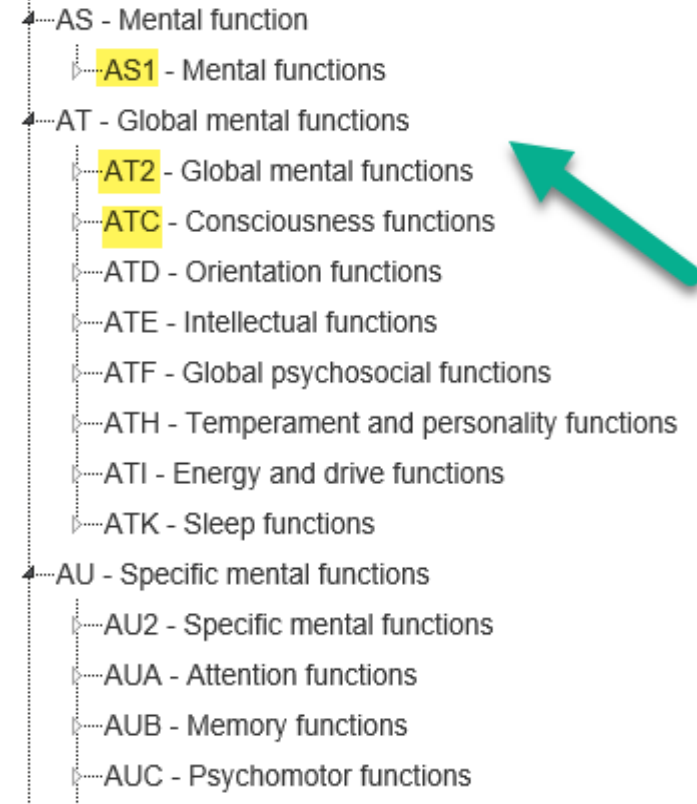
The screenshot displays the ICHI Beta-2 2019 web interface. At the top, there is a red header with the ICHI logo, the text 'Beta-2 2019', a search box, and a dropdown menu labeled 'ICHI'. A green arrow points to the search box. Below the header, there is a grey bar with a folder icon and the text 'ICHI 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	ATD.AC.ZZ
Target	ATD - Orientation functions
Action	AC - Test
Means	ZZ - Other and unspecified means
ICHI descriptor	Test of orientation functions
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	b114

Example 9: Transcutaneous Electrostimulation (TENS) for pain

ICHI stem code: AXA.SC.BP

The screenshot shows the ICHI Beta-2 2019 interface. At the top, a search bar contains 'stimulation for pain' and the ICHI logo. Below the search bar, a dropdown menu shows 'AXA.SC.BP - Electrical stimulation for pain' with sub-options for 'descriptor' and 'inclusion terms'. A green arrow points to this dropdown. On the left, a tree view of interventions is shown, with 'AX - Pain' selected. A green arrow points to this selection. On the right, a table displays the details for the ICHI code AXA.SC.BP. A green arrow points to the 'Target' field, which is 'AXA - Sensation of pain'.

Field	Value
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. The search bar contains "training in preparing" and "ICHI". The search results show "SOA.PH.ZZ - Training in preparing meals" with a "descriptor" label. The navigation menu on the left shows "Interventions" with a tree structure. The table on the right provides details for the ICHI code SOA.PH.ZZ.

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 for 'relationship counselling' has been performed, resulting in a list of codes. The code **SSJ.PP.ZZ - Counselling for family relationships** 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	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	
ies 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)

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

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

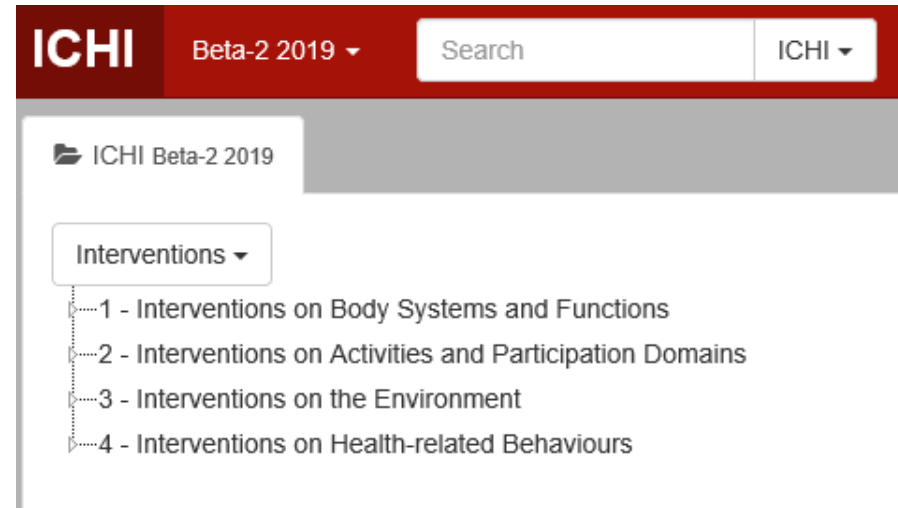
Where to find public health interventions

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

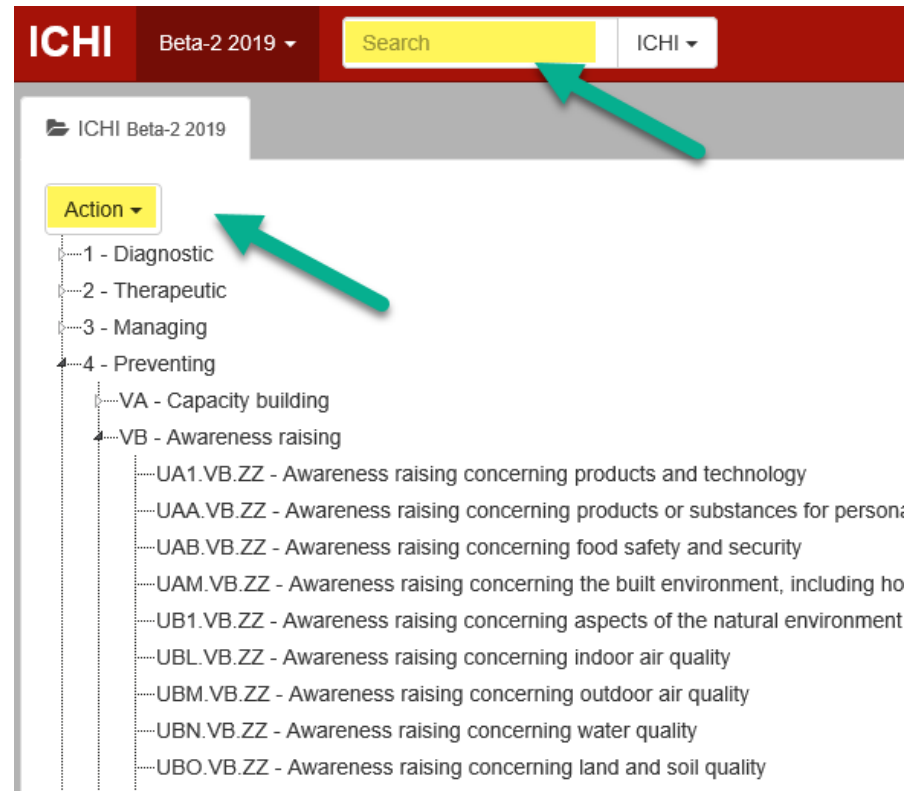
However, codes from elsewhere in ICHI may be used to describe public health interventions



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 web interface. At the top, a search bar contains the text "ge outdoor air quality" and "ICHI". A dropdown menu shows the selected stem code: "UBM.WJ.ZZ - Policy change concerning outdoor air quality". Below the search bar, a navigation menu lists various intervention categories, with "3 - Interventions on the Environment" expanded to show sub-categories like "23 - Interventions on the Natural Environment including human changes" and "UB - Natural environment including human changes". A table on the right provides detailed information for the selected stem code.

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 search bar at the top contains the text ".verages enforcement X" and "ICHI". The navigation tree on the left shows a hierarchy of interventions, with "Interventions on Health" expanded to "Substance-related" and "VA - Substance-related". The main content area shows a table of codes and their definitions. The code VAA.WD.QE is highlighted in yellow, and its definition is also highlighted. Two green arrows point to the code and its definition.

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

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

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.

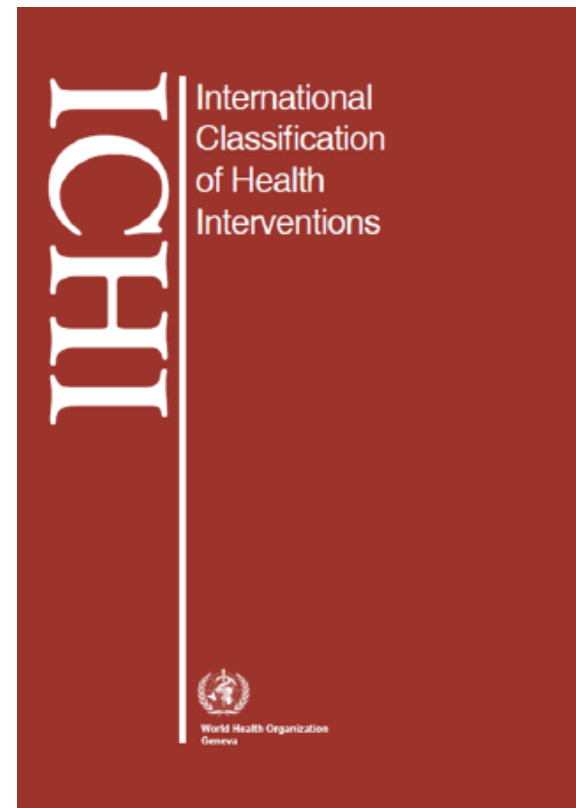
You can browse the ICHI proposed content here.

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（&）を組み合わせるときに用いる、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？

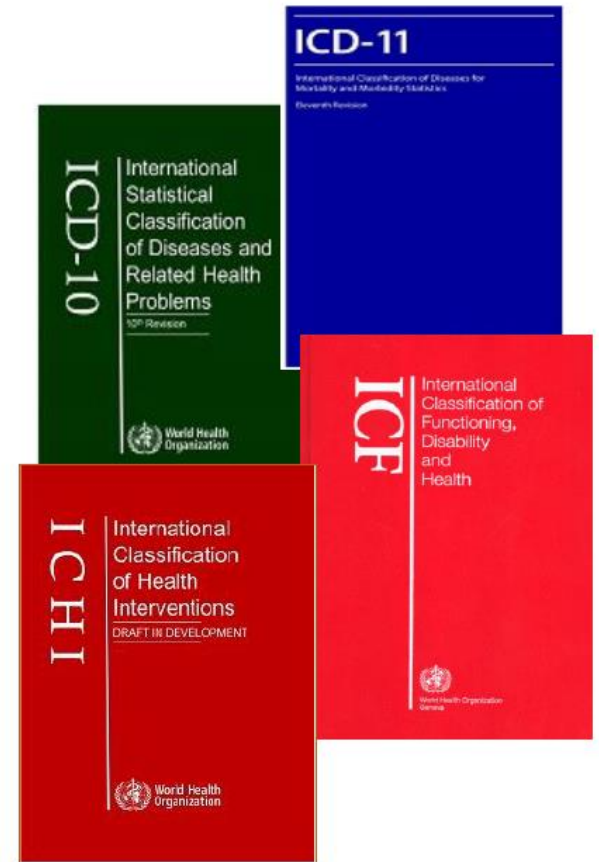
ICHIは、世界保健機関（WHO）およびWHO国際分類ファミリー（WHO-FIC）によって開発された保健・医療関連行為に関する国際分類です。

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」）。

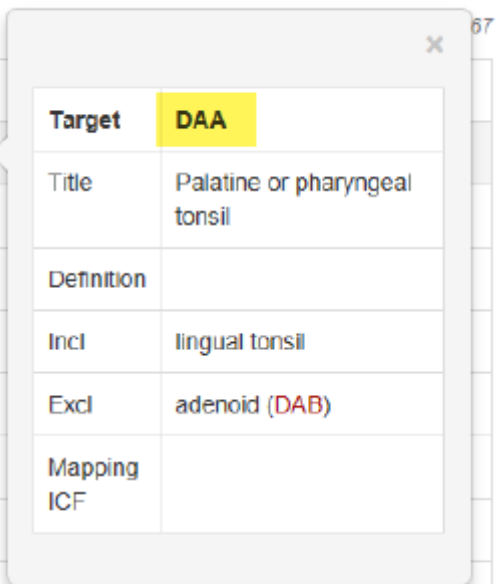
ICHIプラットフォーム (<https://mitel.dimi.uniud.it/ichi/>) を開いてください。
検索メニュー：白地にSearchと書かれているところに



「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

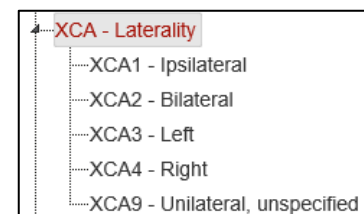
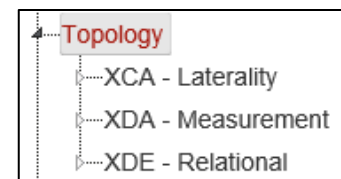
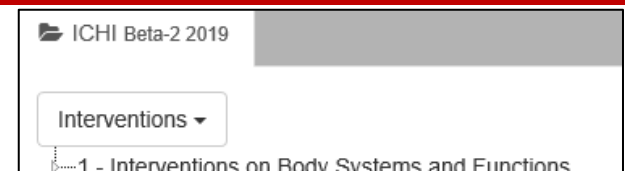


① ICHIプラットフォームの左上の「interventions」の右に「▼」をクリックし「Extension codes」を選択

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



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 | x ICHI ▾

ICHI Beta-2 2019

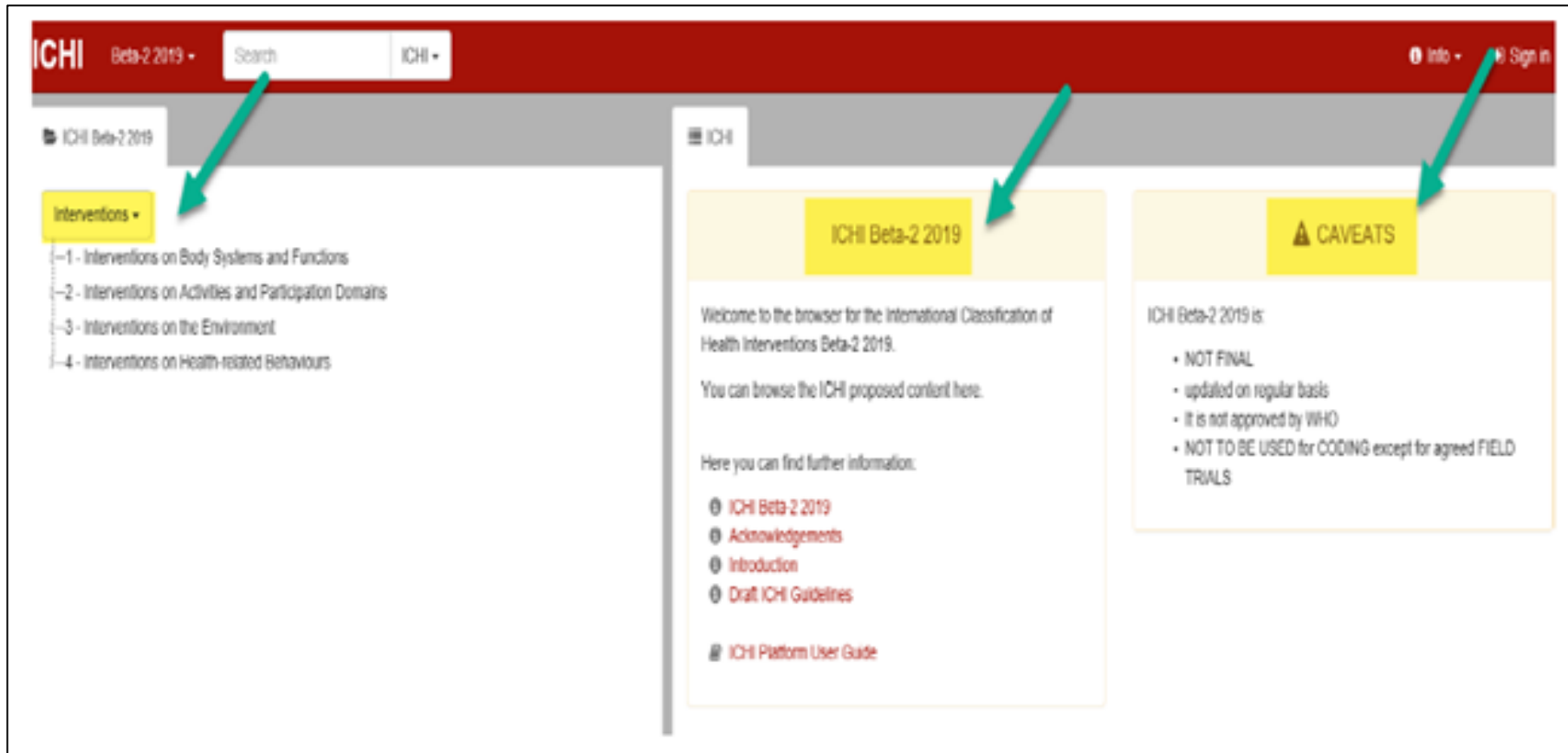
- DAA.JJ.AC - Excision of lingual tonsil
- **DAA.JK.AC - Tonsillectomy**
- DAA.LA.AC - Control of haemorrhage after to
- DAB.AD.AC - Biopsy of adenoids
- DAB.AD.AE - Percutaneous biopsy of adenoi
- DAB.JD.AC - Removal of foreign body from a
- DAB.JI.AC - Excision of lesion of adenoid
- DAB.JK.AC - Adenoidectomy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

DAA.JK.AC ICHI **Comments**

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。

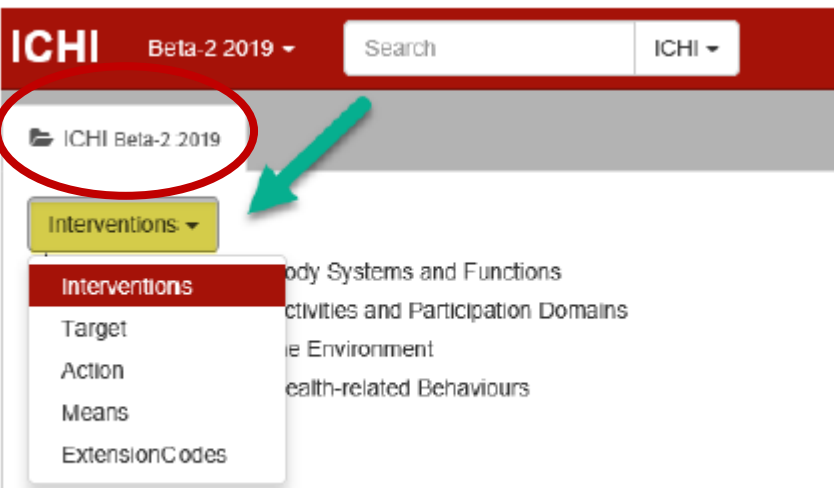
Chapters	Interventions on...
1 - 12	Body Systems and Functions
13 - 21	Activities and Participation Domain
22 - 26	Environment
27	Health-related Behaviours

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。



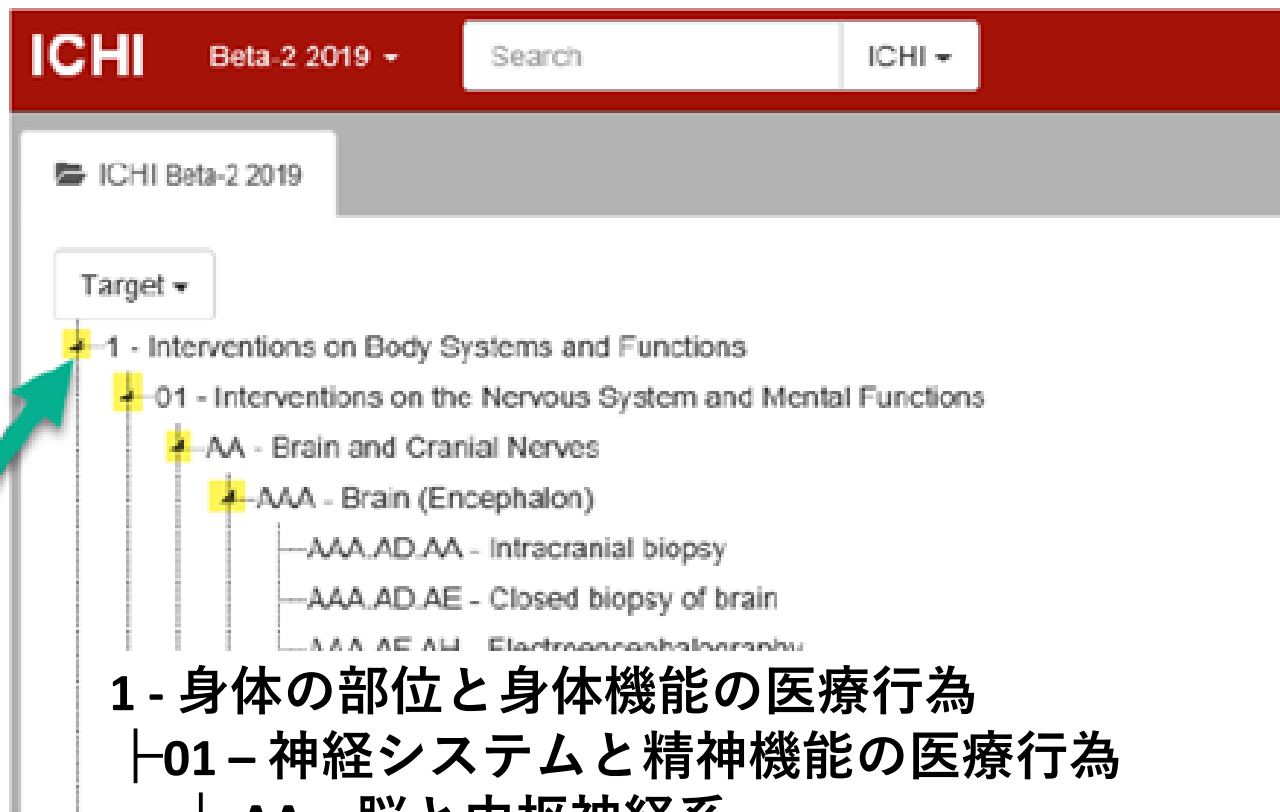
The screenshot shows the ICHI Beta-2 2019 interface. At the top, there is a red header with the ICHI logo, the version 'Beta-2 2019', a search bar, and a dropdown menu for 'ICHI'. Below the header, a folder icon labeled 'ICHI Beta-2 2019' is circled in red. A green arrow points from this folder to a 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' above it and 'が表示される' 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 Beta-2 2019 interface. On the left, a navigation tree is shown with a 'Target' dropdown menu. The tree structure is as follows:

- 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 with a green arrow)
 - AAA.AD.AE - Closed biopsy of brain
 - AAA.AF.AH - Electroencephalography
 - AAA.AF.BO - Magnetoencephalography
 - AAA.AL.AA - Electroencephalography monitoring via burr holes
 - AAA.AL.AE - Intracranial monitoring
 - AAA.AL.AH - Electroencephalography monitoring
 - AAA.AL.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

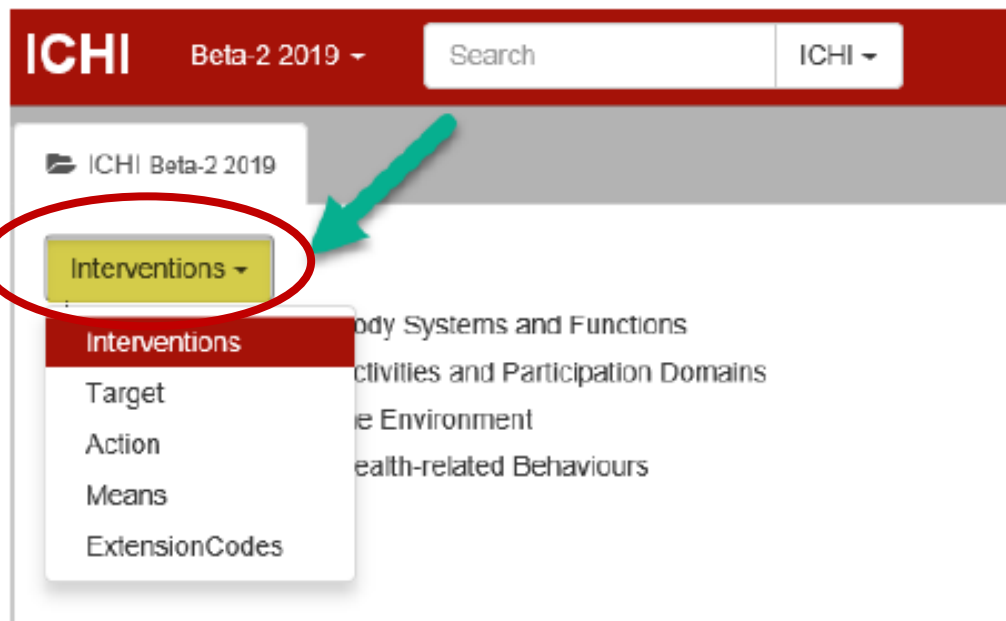
On the right, the detailed view for the selected entity 'AAA.AD.AA - Intracranial biopsy' is shown. The details are as follows:

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。

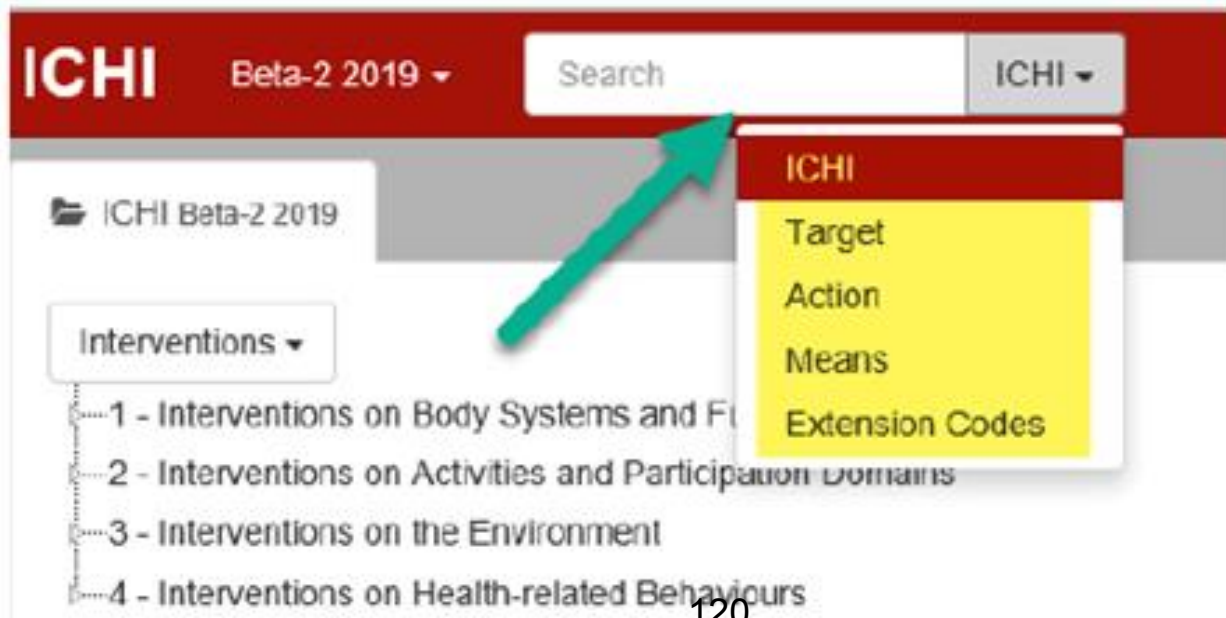
The screenshot shows the ICHI Beta-2 2019 web interface. On the left, a tree view under 'ExtensionCodes' is expanded to 'Topology' > 'XCA - Laterality' > 'XCA3 - Left'. A green arrow points to the small triangle next to 'XCA3 - Left'. On the right, a table titled 'XCA3 ExtensionCodes' displays details for 'XCA3'. A green arrow points to the 'XCA3' value 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 is open, showing a list of ICHI codes. 'DAA.JK.AC - Tonsillectomy' is highlighted in yellow, with a green arrow pointing to it. Below the list, a detailed view of the 'DAA.JK.AC' code is shown, also with a green arrow pointing to the code label. The detailed view includes a table with fields like 'code', 'descriptor', 'inclusion terms', 'includes notes', 'code also', and 'excludes 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。

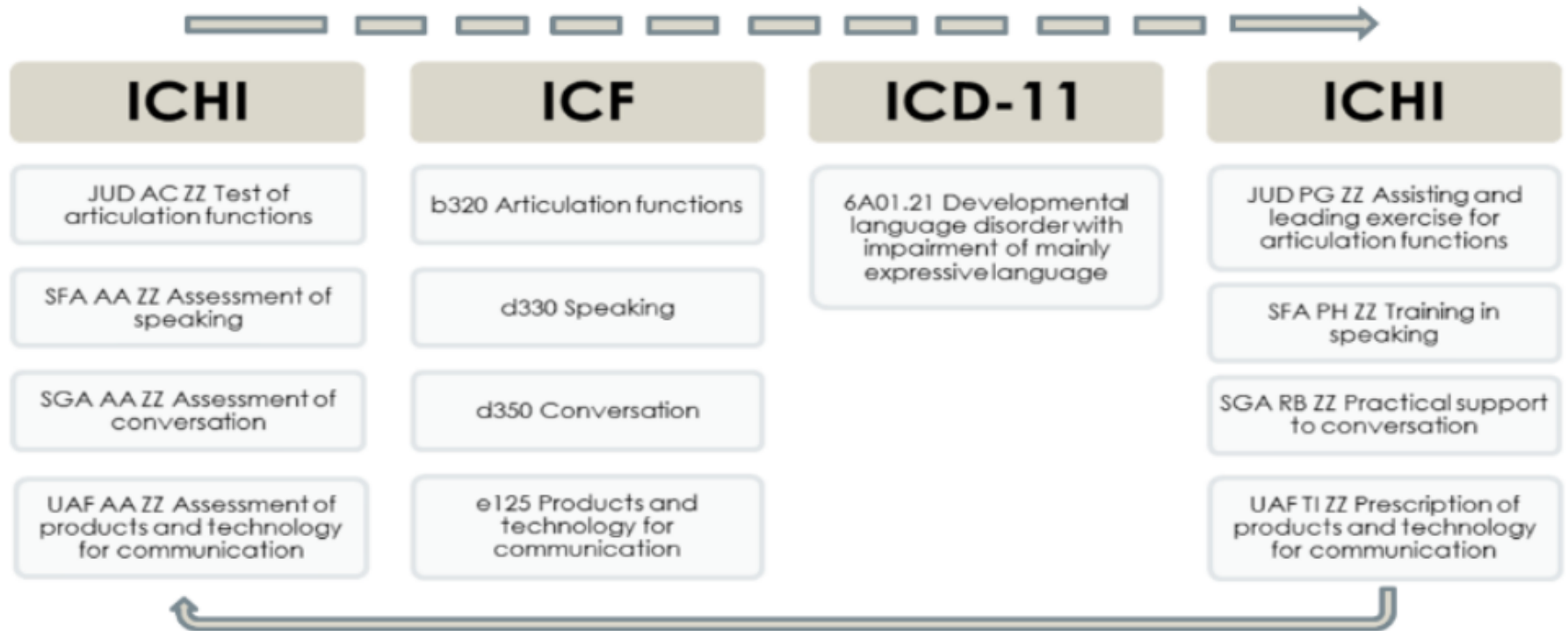
- ICHIの身体機能のTargetはICFから作られています
- いくつかのExtension codes（medicaments薬、anatomy解剖学）はICDのExtension codesと同じです

ICHI	ICF	ICD
<ul style="list-style-type: none">• 調査と評価の医療行為を説明• 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• 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	<ul style="list-style-type: none">• 調査と評価の医療行為の結果を説明• 合意された機能関連の目標と支援の必要性を文書化• 治療または支援を提供した後の人の機能を説明	<ul style="list-style-type: none">• 患者の健康状態を記録

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。

ICHI Beta-2 2019

gastrostomy X ICHI

ICHI Beta-2 2019

Interventions

- 1 - Interventions on Body S
- 01 - Interventions on the
- 02 - Interventions on the
- 03 - Interventions on the
- 04 - Interventions on the
- 05 - Interventions on the
- 06 - Interventions on the
- 07 - Interventions on the
- 08 - Interventions on the
- KA - Mouth and phar
- KB - Gastrointestine
- KBA.AB.AC - O

Search Results:

- KBF.DL.AJ - Percutaneous endoscopic gastrostomy** (highlighted)
- PTA.AA.ZZ - Gastrostomy assessment
- PTA.JA.AC - Irrigation of gastrostomy
- PTA.LA.AC - Closure of gastrostomy
- PTA.PM.ZZ - Gastrostomy education
- KBF.LI.AA - Gastric bypass
- KBF.JD.AC - Removal of foreign body from stomach without incision

Selected Code Details:

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
tion	
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 'Additional descriptive information' section for this code, which includes 'MK - Repair' and 'AA - Open approach'.

code	Additional descriptive information
PAM.MK.AA	MK - Repair AA - Open approach

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

- Quantifiers
- Additional descriptive information
 - XB01 - Initiating/maintaining/discontinuing
 - XB02 - Relationship to other intervention(s)
 - XB03 - Unplanned
 - XB03.0 - Unplanned intervention
 - XB04 - Tissue flaps or grafts
 - XB05 - Standardisation or structure
 - XB06 - Use of equipment or challenge
 - XB07 - Enabling factors for behaviour change
 - XB08 - Client
 - XB09 - System level at which intervention directed
 - XB10 - Creative therapy
 - XB11 - Specific skills and techniques
 - XB12 - Ergonomics
 - XB13 - Media campaign
- Topology
 - XCA - Laterality
 - XCA1 - Ipsilateral
 - XCA2 - Bilateral
 - XCA3 - Left
 - XCA4 - Right
 - XCA9 - Unilateral, unspecified

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 several interventions. The first item, 'ITA AB AF - Measurement of blood pressure', is highlighted in yellow and has a green arrow pointing to it. The main page displays a table of interventions. The first row, 'ITA.AB.AF', is highlighted in yellow and has a green arrow pointing to it. The table includes columns for code, descriptor, and definition. The 'Excludes Notes' section at the bottom of the table lists 'blood pressure measurement (ITA.AI.AF)'. The page number '136' is visible at the bottom center.

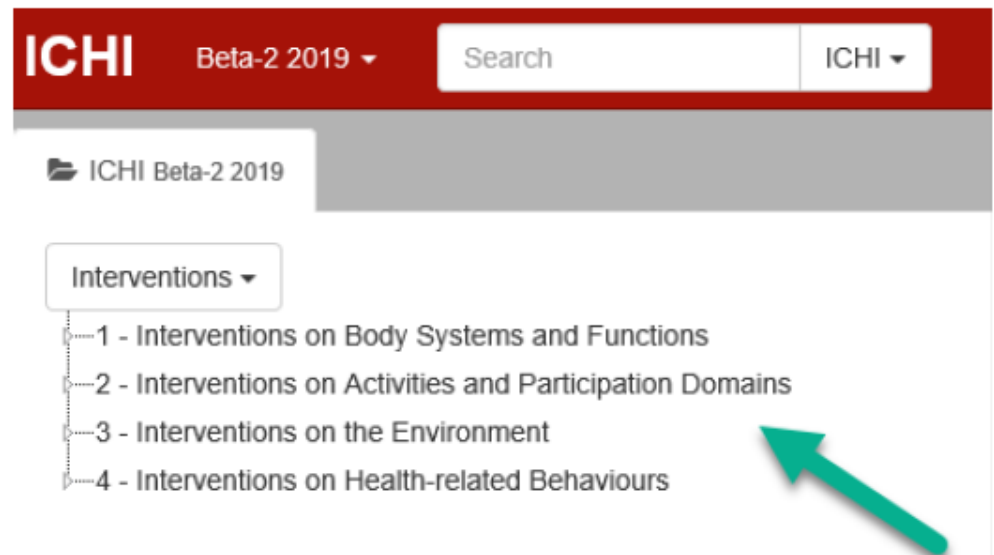
code	ITA.AB.AF
descriptor	ITA - Blood pressure functions
definition	AB - Measurement
definition	AF - Percutaneous transluminal
descriptor	Measurement of blood pressure
definition	Quantitative determination of characteristics of blood pressure, which results in a continuous variable
Inclusion Terms	
Includes 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



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

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

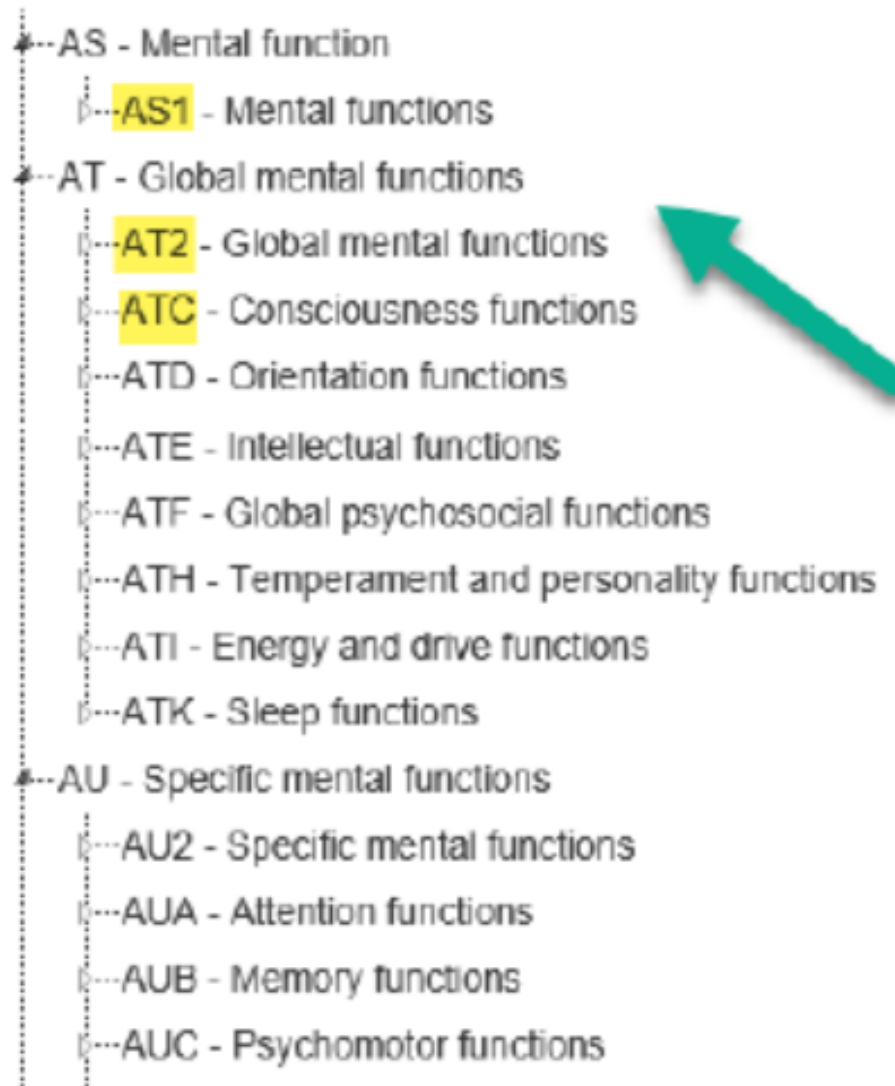
- PC - Massage
- PD - Stretch
- PG - Assisting or leading exercise
- PH - Training**
- AS1.PH.ZZ - Training for mental functions
- AT2.PH.ZZ - Training for global mental functions
- ATD.PH.ZZ - Training for orientation functions
- ATE.PH.ZZ - Training for intellectual functions
- ATF.PH.ZZ - Training 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	ATD - Orientation functions
Action	AC - Test
Means	ZZ - Other and unspecified means
ICHI descriptor	Test of orientation functions
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	b114

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つの検索結果が得られます。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/s13023-019-0100-8

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	

141

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 'ICHI'. Below the search bar, a yellow box highlights the search result 'SOA.PH.ZZ - Training in preparing meals'. On the left side, there is a tree view of interventions, with 'SO - Household tasks' expanded to show 'SO2 PH.ZZ - Training in carrying out household tasks'. On the right side, there is a table with the following data:

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	

Two green arrows point to the highlighted search result and the ICHI code in the table.

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. At the top, there is a search bar with the text 'relationships counselling X' and a dropdown menu set to 'ICHI'. Below the search bar, a list of search results is displayed. The result 'SSJ.PP.ZZ - Counselling for family relationships' is highlighted in yellow, with a green arrow pointing to it. To the right, a detailed view of the 'SSJ.PP.ZZ' code is shown, also with a green arrow pointing to the code itself. The detailed view includes fields for 'code', 'st', 'n', 'is', 'descriptor', 'tion', 'ion Terms', 'ies Notes', 'also', and 'des Notes'. The 'code' field contains 'SSJ.PP.ZZ', 'st' contains 'SSJ - Family relationships', 'n' contains 'PP - Counselling', 'is' contains 'ZZ - Other and unspecified means', 'descriptor' contains 'Counselling for family relationships', 'tion' contains 'Providing therapeutic and/or supportive communication in relation to creating and maintaining kinship relationships', 'ion Terms' is empty, 'ies Notes' is empty, 'also' is empty, and 'des Notes' contains 'counselling for intimate relationships (SSM.PP.ZZ)'. The page number '143' is visible at the bottom center.

「/」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

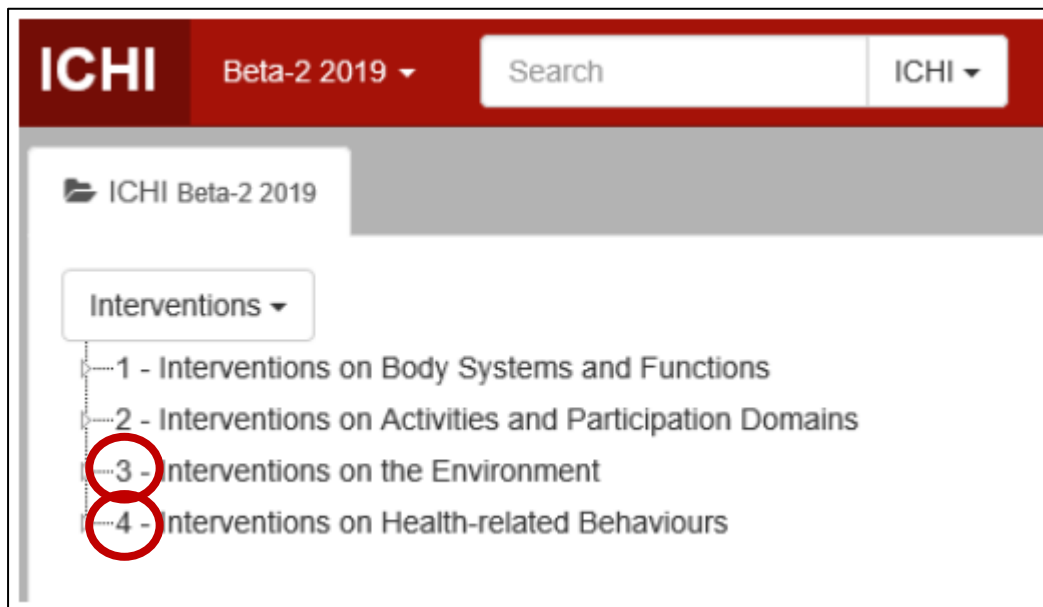
公衆衛生に関する保健・医療関連行為の場合、Meansは「ZZ」が多く用いられます。

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。

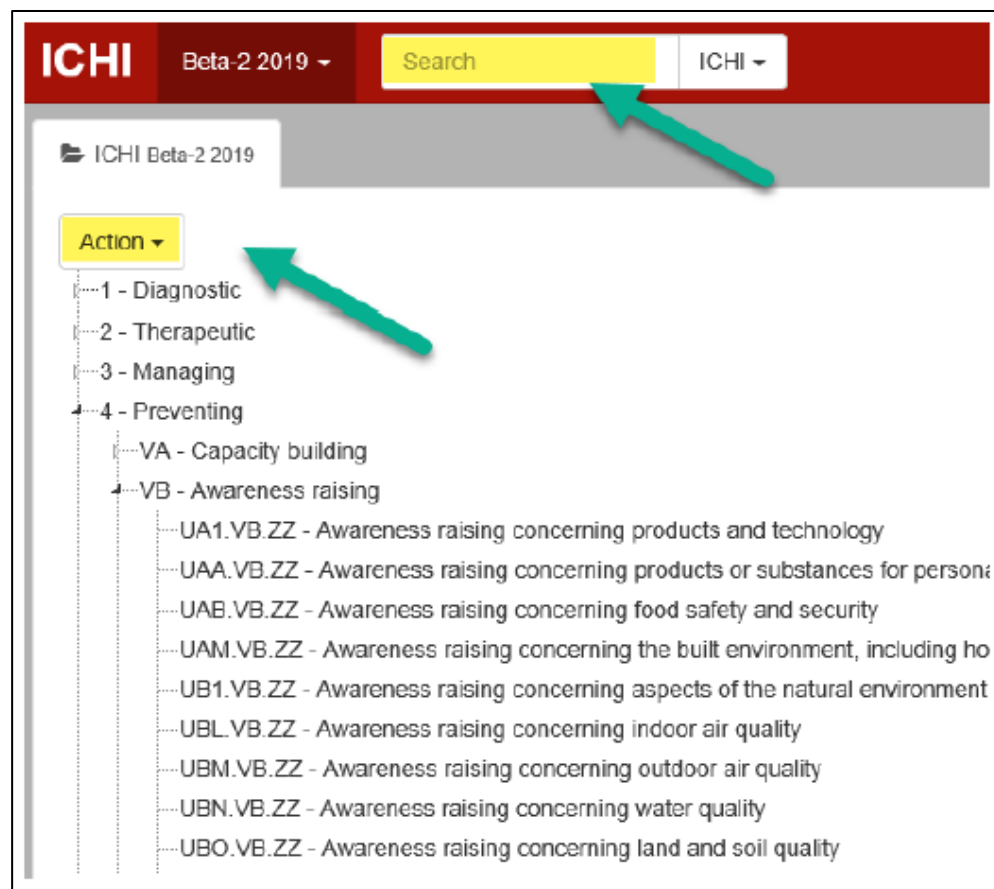
- セクション3 - Interventions on the Environment 環境への医療行為
- セクション4 - Interventions on Healthrelated Behaviours 健康関連行動への医療行為



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。

ICHI Beta-2 2019

alcoholic beverages enforcement X ICHI

Interventions

- 1 - Interventions on Body Structure
- 2 - Interventions on Activities
- 3 - Interventions on the Environment
- 4 - Interventions on Health
- 27 - Interventions on Health
- VA - Substance-related and addictive behaviours
- VA1 AA.ZZ - Assessment and diagnosis
- VA1 AC.ZZ - Treatment
- VA1 PH.ZZ - Training
- VA1 PM.ZZ - Education to influence substance-related and addictive behaviours
- VA1 PN.ZZ - Advising about substance-related and addictive behaviours
- VA1 PP.ZZ - Counselling about substance-related and addictive behaviours
- VA1 RC.ZZ - Emotional support for substance-related and addictive behaviours
- VA1 RD.ZZ - Provision of products to support improved substance-related and addictive behaviours
- VA1 RE.ZZ - Provision of peer support for substance-related and addictive behaviours
- VA1 RF.ZZ - Providing opportunities for participation in relation to substance-related and addictive behaviours
- VA1 TA.ZZ - Advice on participation in relation to substance-related and addictive behaviours

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—enforcement of legislation or regulations

VAA.WD.QE - Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages—enforcement of legislation or regulations

VAA.WD.ZZ - Restrictions or requirements concerning the advertising, promotion or sponsorship of alcoholic beverages—enforcement of legislation or regulations

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—enforcement of legislation or regulations

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](#)

2020年5月20日

厚生労働大臣 殿

機関名 聖マリアンナ医科大学

所属研究機関長 職名 学長

氏名 北川 博昭 印

次の職員の令和元年度厚生労働科学研究費の調査研究における、倫理審査状況及び利益相反等の管理については以下のとおりです。

1. 研究事業名 政策科学総合研究事業（統計情報総合研究）
2. 研究課題名 保健・医療関連行為に関する国際分類の我が国への適用のための研究
3. 研究者名 （所属部局・職名）医学部・教授
（氏名・フリガナ）川瀬 弘一・カワセ ヒロカズ

4. 倫理審査の状況

	該当性の有無		左記で該当がある場合のみ記入（※1）		
	有	無	審査済み	審査した機関	未審査（※2）
ヒトゲノム・遺伝子解析研究に関する倫理指針	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
遺伝子治療等臨床研究に関する指針	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
人を対象とする医学系研究に関する倫理指針（※3）	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
厚生労働省の所管する実施機関における動物実験等の実施に関する基本指針	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
その他、該当する倫理指針があれば記入すること （指針の名称： ）	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

（※1）当該研究者が当該研究を実施するに当たり遵守すべき倫理指針に関する倫理委員会の審査が済んでいる場合は、「審査済み」にチェックし一部若しくは全部の審査が完了していない場合は、「未審査」にチェックすること。

その他（特記事項）

（※2）未審査に場合は、その理由を記載すること。

（※3）廃止前の「疫学研究に関する倫理指針」や「臨床研究に関する倫理指針」に準拠する場合は、当該項目に記入すること。

5. 厚生労働分野の研究活動における不正行為への対応について

研究倫理教育の受講状況	受講 <input checked="" type="checkbox"/> 未受講 <input type="checkbox"/>
-------------	---

6. 利益相反の管理

当研究機関におけるCOIの管理に関する規定の策定	有 <input checked="" type="checkbox"/> 無 <input type="checkbox"/> （無の場合はその理由： ）
当研究機関におけるCOI委員会設置の有無	有 <input checked="" type="checkbox"/> 無 <input type="checkbox"/> （無の場合は委託先機関： ）
当研究に係るCOIについての報告・審査の有無	有 <input checked="" type="checkbox"/> 無 <input type="checkbox"/> （無の場合はその理由： ）
当研究に係るCOIについての指導・管理の有無	有 <input type="checkbox"/> 無 <input checked="" type="checkbox"/> （有の場合はその内容： ）

（留意事項） ・ 該当する□にチェックを入れること。
・ 分担研究者の所属する機関の長も作成すること。