

eHealth Data Model CoBRHA+

The eHealth platform

**Willebroekkaai 38 – Quai de Willebroeck 38
1000 BRUSSELS**

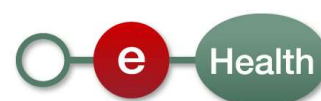


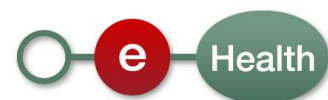
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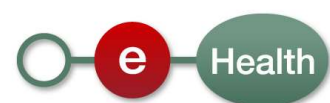
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1 Document management

1.1 Document history

Version	Date	Author	Description of changes / remarks
1.1	11/09/2019	Bernard Demoulin	First version
2	31/08/2020	Bernard Demoulin	Add missing “technical” ID for CONTEXT and NIHII_CONVENTION_LIMITATION
3	30/07/2021	Bernard Demoulin	Some modification due to change request 300320201



2 Description of the model

2.1 Diagram

The diagram have been realized with Visio 2016

The document can be found on the sharepoint CoBRHA+.

2.2 Entities definition

2.2.1 Table ACTOR

This technical table permit to identify each healthcare actor in the databank.

The data contained in this table are not visible through the consultation interfaces of CoBRHA+.

Attributes	Specifications	Remark
ACTOR_ID	Description : Unique identifier of CoBRHA Type : identifier (numeric) Mandatory : Yes	
TYPE	Description : Type of Actor Type : varchar Mandatory : Yes	Technical type the permit to know the corresponding actor type of the actor_id -> HC Institution, Individual, HC Professional, HC Association, Site, HC Association, CBE Company, Establishment Unit, Context

Priority : NA

AS : All

History : NA

Child tables : INDIVIDUAL, HC_PROFESSIONAL, CONTEXT , HC_INSTITUTION, HC_ASSOCIATION, SITE, CBE_COMPANY, ESTABLISHMENT_UNIT

Link table : ADDRESS, CONTACT, ATTRIBUTE, LINK

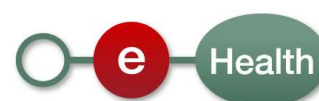
2.2.2 Table INDIVIDUAL

Attributes	Specifications	Remark
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NISS_ID	Description : National Number from NR or CBSS Type : varchar Mandatory : N	A validation of the structure must be done by the publication module : 11 positions , 6 first positions must correspond to a date (+ 20 or 40 for the month depending the sex of the individual for the National Number from CBSS) and the 2 last position are a check digit modulo 97
NISS_TYPE	Description : Flag tha indicate if the NISS_ID is a NISS (from NR) or a NISS_BIS (from CBSS) Type : varchar Mandatory : Y	
LAST_NAME	Description : Last Name of the individual Type : varchar Mandatory : N	
FIRST_NAME	Description : First name of the individual Type : varchar Mandatory : N	
MIDDLE_NAME	Description : Other name of the individual Type : varchar Mandatory : N	
SEX	Description : Sex of the individual Type : varchar Mandatory : N	
BIRTH_DATE	Description : Birth Date Type : Date Mandatory : N	
DEATH_DATE	Description : Death Date Type : Date Mandatory : N	
BIRTH_CITY	Description : City where the individual is born Type : varchar (or codification) Mandatory : N	
BIRTH_COUNTRY	Description : Country where the individual is born Type : varchar (or codification) Mandatory : N	

RM : CoBRHA has a "Title field" but it was always empty. This will not be present in CoBRHA+



Authentic Source : FPS_PH, NIHII , NR, CBSS

Priority :

- FPS_PH and NIHII have the lowest Priority
- NR & CBSS have the highest Priority

Publication flow :

- ➔ FPS_PH and NIHII may publish first in the table INDIVIDUAL. They must publish at least the niss_id /niss_bis_id
- ➔ Once the niss_id /niss_bis_bis is published, NR or CBSS may published all information about the individual (+ publication of the mutation)

History : Y

Parent table : ACTOR

Child tables : DIPLOMA, LANGUAGE, PERSON_NATIONALITY, HC_PROFESSIONAL

2.2.3 Table LANGUAGE :

Attributes	Specifications	Remark
CONTACT_LANGUAGE	Description : Language used to contact the individual Type : varchar Mandatory : Y	

Authentic Source : FPS_PH, NIHII

Priority : FPS_PH (Lowest) , NIHII (Highest)

FPS_PH publish first the language and then NIHII may update this information

History : Y

Parent table : INDIVIDUAL

Child tables : /



2.2.4 Table PERSON_NATIONALITY

Attributes	Specifications	Remark
NATIONALITY_TYPE_ID	Description : Nationality (ies) of the individual Type : varchar Mandatory : Y	

Authentic Source : NR, CBSS

Priority : NR & CBSS have the same priority

History : Y

Parent table : INDIVIDUAL.

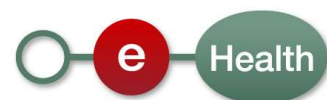
Child tables : /

RM :

- a) Relation : one to many with Individual (an individual may have different nationality)
- b) Is there a date of validity of each nationality ? (Wait response of Consult RN -> Analyse in 2020)
- c) How can we manage the lost of nationality ? ? (Wait response of Consult RN -> Analyse in 2020)

2.2.5 Table ADDRESS

Attributes	Specifications	Remark
ADDRESS_ID	Description : Address identifier from BeST codification Type : varchar Mandatory : N	
REGIO_CODE	Description : Regio code from BeST codification Type : varchar(codification) Mandatory : N	
STREET	Description : Street name Type : varchar Mandatory : N	
STREET_CODE	Description : Street code from BeST codification Type : varchar(codification) Mandatory : N	



HOUSE_NUMBER	Description : House number Type : varchar Mandatory : N	
POSTBOX_NUMBER	Description : Post Box number Type : varchar(codification) Mandatory : N	
POSTAL_CODE	Description : Postal code from Be Post (Zipcode) Type : varchar(codification) Mandatory : N	
MUNICIPALITY	Description : Municipality Type : varchar Mandatory : N	
MUNICIPALITY_CODE	Description : Municipality code from BeST Type : varchar(codification) Mandatory : N	
MUNICIPALITY_INS_CODE	Description : Municipality code from INS Type : varchar(codification) Mandatory : N RM : The INS code is a part of the BeST code of the Street	
COUNTRY_CODE	Description : Country code from Iso codification (ISO 3166 alpha-2) Type : varchar(codification) Mandatory : N	

Authentic Source : All AS

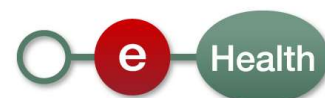
Priority : Same priority for all AS

History : Y

Parent table : ACTOR

Child tables : /

RM :



- 1) All kind of actor may have an address
- 2) "Private "address of an individual -> Governance/privacy for this address (to be check)
- 3) First time, free text for each field and in second time, codification BeST
- 4) There is a business need to have the province and administrative district. Those are available with the NIS code of the Municipality (MUNICIPALITY_INS_CODE) and they will be available also in the code BeST.
- ~~5) Is it necessary to have different type of address for each kind of actor or only one (contact) and many practice address?~~

2.2.6 Table CONTACT

Attributes	Specifications	Remark
CONTACT_TYPE	Description : Type of the contact (mail , phone, fax, gsm, url, ...) Type : varchar Mandatory : Y	
VALUE	Description : Value of the contact Type : varchar Mandatory : Y	
COMMENT	Description : Comment concerning the contact Type : varchar Mandatory : N	
END_DATE	Description : End date of the contact Type : date Mandatory : N	

Authentic Source : All AS

Priority : Same priority for all AS

History : Y

Parent table : ACTOR

Child tables : /

RM :

- 1) The contact may be linked to all kind of actor
- 2) The same actor may have many contact of the different types



2.2.7 Table ATTRIBUTE

Attributes	Specifications	Remark
ATTRIBUTE_TYPE	Description : Type of the attribute Type : varchar Mandatory : Y	
VALUE	Description : Value of the attribute Type : varchar Mandatory : N	
START_DATE	Description : Start date of the attribute Type : varchar Mandatory : N	
END_DATE	Description : End date of the attribute Type : varchar Mandatory : N	

This table is a generic table for extra informations related to Healthcare Actor. It is used by NIHII for the election of the dentist and the physician, for "Conebeam dental" (dentist) , ...

Authentic Source : All AS (but currently only used by NIHII)

Priority : Same priority for all AS

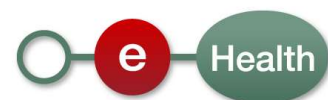
History : Y

Parent table : ACTOR

Child tables : /

2.2.8 Table DIPLOMA

Attributes	Specifications	Remark
DIPLOMA_ID	Description : ID of the Diploma Type : varchar Mandatory : Y	
DIPLOMA_TYPE	Description : Type of the diploma (codification) Type : varchar Mandatory : Y	
DIPLOMA_TITLE	Description : Title of the diploma	



	Type : varchar Mandatory : N	
DIPLOMA_SCHOOL	Description : University or School where diploma has been delivered Type : varchar Mandatory : N	
DIPLOMA_LANGUAGE	Description : Language of the diploma Type : varchar Mandatory : N	
DELIVERY_DATE	Description : Delivery date of the diploma Type : varchar Mandatory : N	
DELIVERY_COUNTRY	Description : Country where the diploma has been delivered Type : varchar Mandatory : N	
DIPLOMA_EQUIVALENCE_DATE	Description : date of the recognition of an equivalence concerning of a foreign diploma Type : varchar Mandatory : N	

Authentic Source : FPS_PH (eCAD)

Priority : only for : FPS_PH (eCAD)

History : Y

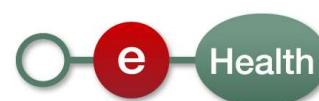
Parent table : INDIVIDUAL

Link tables : HCP_APPROVAL

2.2.9 Table HC_PROFESSIONAL

Attributes	Specifications	Remark
PROFESSION_TYPE	Description : type of the profession (ex : PHYSICIAN, NURSE, DENTIST, ...) Type : varchar Mandatory : N	

Authentic Source : FPS_PH (eCAD) and NIHII



Priority : Only FPS_PH may publish professional of the AR/KB78. For the professional, the priority is the same for NIHII and FPS_PH

History : Y

Parent tables: INDIVIDUAL , ACTOR

Child tables: HCP_APPROVAL, NIHII_PROFESSIONAL

Link tables: LICENSE_TO_PRACTICE, PRACTICE_INTERDICTION, ORDER_SUBSCRIPTION

2.2.10 Table LICENSE_TO_PRACTICE

Attributes	Specifications	Remark
NATIONAL	Description : Flag national license to practice Type : varchar Mandatory : N	
INTERNATIONAL	Description : Flag international license to practice Type : varchar Mandatory : N	

Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Parent table : HC_PROFESSIONAL

Link tables : /

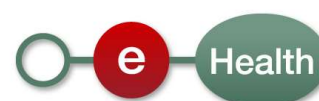
Child tables: /

2.2.11 Table HCP_APPROVAL

Attributes	Specifications	Remark
SUBFOLDER_ID	Description : ID of the subfolder Type : varchar Mandatory : Y	It's just a technical ID from FPS_PH (not a technical ID from COBRHA)



APPROVAL_BUSINESS_NUMBER	Description : This is a functional id/number given by the business to the professional (ex : badge number, Visa ID, ...). Type : varchar Mandatory : N	
SUBFOLDER_CATEGORY	Description : Category of the subfolder : <ul style="list-style-type: none"> ➔ SUBFOLDER_AGREEMENT_DISCIPLINE ➔ SUBFOLDER_AGREEMENT_MASTERING ➔ SUBFOLDER_AGREEMENT_PROFESSION ➔ SUBFOLDER_VISA ➔ SUBFOLDER_BADGE Type : varchar Mandatory : Y	
DISCIPLINE_CATEGORY	Description : This indicate the category of the discipline (-> SPECIALITY, COMPETENCE OR QUALIFACTION) , only used if SUBFOLDER_CATEGORY = SUBFOLDER_AGREEMENT_DISCIPLINE Type : varchar Mandatory : N	
DISCIPLINE_TYPE	Description : This indicate type of the discipline. This correspond to the codification of the discipline (SPECIALITY, COMPETENCE OR QUALIFACTION) Type : varchar Mandatory : N	
SUBFOLDER_TYPE	Description : Type (codification) of the subfolder category <ul style="list-style-type: none"> ➔ for the visa-> national or recon or article 146 &49bis Type : varchar Mandatory : N	
TEMPORAL_VALIDITY	Description : Validity of the subfolder in the time. Used for visa or agreement (ex : temporaire ou déf) Type : varchar Mandatory : N	
START_DATE	Description : Start date of the visa Type : varchar Mandatory : N	
END_DATE	Description : End date of the visa Type : varchar Mandatory : N	
MANAGER_ORGANIZATION	Description: Authentic Sources who create the approval (e: FPS PH, German Speaking Community, ...) Type : varchar Mandatory : Y	



Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Parent table : HC_PROFESSIONAL

Link tables : DIPLOMA

Child tables: VISA_WITHDRAWAL, BADGE, HCP_APPROVAL_ATTRIBUTE, TRAINING_MASTER

This table is a common table for the agreement of basis diploma, Visa, Training Master Agreement, Badge, agreement disciplines. The different concepts will be distinguish by the field "SUBFOLDER CATEGORY".

Complementary information for some of the different categories will be stored in specific tables corresponding to each concept requiring those extra information : TRAINING_MASTER, BADGE (+ VISA_WITHDRAWAL).

In order to be scalable easily for the future or for the evolution of the concepts, another generic table (APPROVAL_ATTRIBUTE) may also store extra information, if required.

2.2.12 TRAINING_MASTER

AGREEMENT_LEVEL	Description Level of agreement of a training master Type : varchar Mandatory : N	
MAX_CANDIDATE	Description: maximum number of students followed by a training master Type : varchar Mandatory : N	
COORDINATOR	Description : Flag (Yes/No) explaining if the training master is coordinator or not. Type : varchar Mandatory : N	
MAX_TRAINING	Description : Maximal duration of the training Type : varchar Mandatory : N	



This table contain extra information about the agreement of the training master.

Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Master table : HCP_APPROVAL

Child tables: TRAINING_PLACE

2.2.13 TRAINING_PLACE

MAJOR_PLACE	Description: Flag explaining if this place is the main training place or not. Type : varchar Mandatory : Y	
TRAINING_PLACE_NAME	Description: Name of the stage place (in different language) Type : varchar Mandatory : Y	
TRAINING_PLACE_TYPE	Description ; Type (codification) of the place where the stage occurs (Hospital, Office doctor , ...) Type : varchar Mandatory : Y	
TRAINING_PLACE_IDENTIFIER	Description : Identifier of the place/organization (from eCad) where the stage occurs Type : varchar Mandatory : N	

This table contains the different places where a stage master will follow the stages. There is always a main place.

Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Master table : TRAINING_MASTER



2.2.14 BADGE

BADGE_CATEGORY	Description : Type (codification) of the badge Type : varchar Mandatory : N	
SERVICE_AGREEMENT_NUMBER	Description ; Identifier of the ambulance Service (-> 3 digits officially but sometimes 5 digits) Type : varchar Mandatory : N	

This table contain extra information about the badges

Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Master table : HCP_APPROVAL

2.2.15 HCP_APPROVAL_ATTRIBUTE

Attributes	Specifications	Remark
ATTRIBUTE_TYPE	Description : Type of the attribute Type : varchar Mandatory : Y	
VALUE	Description : Value of the attribute Type : varchar Mandatory : N	
START_DATE	Description : Start date of the attribute Type : varchar Mandatory : N	
END_DATE	Description : End date of the attribute Type : varchar Mandatory : N	

This is a generic table that may store extra information regarding the different kinds of subfolders, if necessary.



Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Master table : HCP_APPROVAL

2.2.16 Table VISA_WITHDRAWAL

Attributes	Specifications	Remark
ID	Description : Technical ID from eCad Type : varchar Mandatory : Y	
WITHDRAWAL_LEVEL	Description : Level of withdrawal (Partial, full, conditional ...) Type : varchar Mandatory : N	
STARTDATE	Description : start date of the withdrawal Type : varchar Mandatory : N	
ENDDATE	Description : End date of the withdrawal Type : varchar Mandatory : N	

This table contain the withdrawal of the visa. It's possible to have many withdrawal for the same visa.

Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Parent table : HCP_APPROVAL

Link tables : /

Child tables: /

2.2.17 ORDER_SUBSCRIPTION



Attributes	Specifications	Remark
SUBSCRIPTION_ID	Description : Subscription number at the order Type : varchar Mandatory : N	

This table contains the subscription at the order of a professional.

Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Parent table : HC_PROFESIONAL

Child tables: ORDER_SUBSCRIPTION_STATUS

2.2.18 ORDER_SUBSCRIPTION_STATUS

Attributes	Specifications	Remark
STATUS_TYPE	Description : Status subscription at the order (ex : Inscription,omission, abroad, suspension, radiation) Type : varchar Mandatory : N	
START_DATE	Description : Start date of the status regarding the subscription at the order Type : varchar Mandatory : Y	

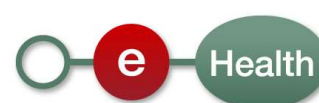
This table contains the status of the subscription at the order of a professional.

Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Parent table : ORDER_SUBSCRIPTION



2.2.19 PRACTICE_INTERDICTION

Attributes	Specifications	Remark
PRACTICE_INTERDICATION_ID	Description: Technical ID from eCad Type : varchar Mandatory :Y	
ORIGIN	Description: Origin of the interdiction (Ex : Court, NIHII, Order, ...) Type : varchar Mandatory : N	
START_INTERDICTION	Description : Start date of the interdiction Type : varchar Mandatory : Y	
END_INTERDICTION	Description : End date of the interdiction Type : varchar Mandatory : N	

This table contains the practice interdiction for a professional. Those may have different origin (Order, Court, ...)

Authentic Source : FPS_PH (eCAD)

Priority : only for FPS_PH (eCAD)

History : Y

Parent table : HC_PROFESIONAL

Link tables : /

2.2.20 PRACTICE_ADDRESS

See next point (LINK)

2.2.21 LINK

This table will contains links between different healthcare actors :

- a) Some of the links are specific role played by an actor for another actor.



Examples: A pharmacist is the pharmacist holder of a pharmacy, a physician who is the responsible of a group of physicians, ...

- b) Other links will be used to indicate that an actor, in the context of his practice, have a specific location an contact (phone number, email, ...). **This type of link will be used in the context of the practice addresses.**

A practice address may be :

- a. A simple address. In this case, it is a link between an actor of the type "HC_PROFESSIONAL" and an actor of the type "CONTEXT"

Example: The address of the office where a physician practice

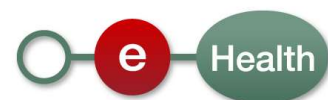
- b. The address of an Institution. In this case, it will be a link between an actor of the type "HC_PROFESSIONAL" and an actor of the type "HC_INSTITUTION" (or "CBE_COMPANY" or "ESTABLISHMENT_UNIT")

Example: The address of a hospital where a physician practice

RM :

- The "LINK_TYPE" will be permit to identify the different kinds of link.
 - Some "LINK_TYPE" are considered as a role and also indicate a practical address. (example: For a physician who is member (=ROLE_TYPE) of an medical house, the address of the medical house is also one of his practical address.
- c) Some specifics links are role played by an INDIVIDUAL for HC_ORGANIZATION and there is a need to have a specific "contact" address and/or some contact information (like phone number, gsm, email, ...) only used in the context of this role. In this case,

Attributes	Specifications	Remark
LINK_TYPE	Description : Type of the link (ex: holder, member, director, works on , ...) Type : varchar Mandatory : Y	
LINKER_ACTOR_ID	Description : Healthcare actor that has this link with (or play this role for) the RELATED_ACTOR_ID. Type : varchar Mandatory : N	
RELATED_ACTOR_ID	Description : Healthcare actor for which the "LINKER_ACTOR_ID " has this link (or play this role)	



	Ex : The pharmacy for which the pharmacist is the holder, the group of physician for which the physician is the responsible, ... Type : varchar Mandatory : N	
CONTEXT_ACTOR_ID	Description : The Context actor correspond to an address and/or contact(s) specifically used in the context of this role/link Ex : 1) It can be the "contact" address and phone numbers (contact) related to the role "financial director " of an hospital 2) It can also be one address and phone number(s) linked to a professional in the context of his practice addresses Type : varchar Mandatory : N	
START_DATE	Description : start date of the role/link Type : varchar Mandatory : N	
END_DATE	Description : End date of the role/link Type : varchar Mandatory : N	

Authentic Source : ALL

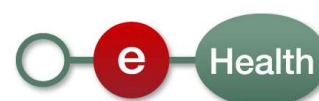
Priority : ALL

History : Y

Link tables : ACTOR

2.2.22 CONTEXT

Attributes	Specifications	Remark
CONTEXT_ID	Description : Technical ID from NIHII Type : varchar Mandatory : Y	



CONTEXT_TYPE	Description : Type of context (this will be used specifically for the practice address not corresponding to HealthCare Institution or CBE Institution but may be extended to other concept and also for the address and contact related to a specific role/link (*) Type : varchar Mandatory : Y	
IS_MAIN_LOCATION	Description : Flag indicating if this context is the main location for the practice address Type : varchar Mandatory : N	

This table will be use in to have the context of some specific address and/ contact(s) (it can be the address and contact used in the context of a specific role or it can be the addresses and contacts used in the context of the practice location of a professional that doesn't correspond to a HC_ORGANIZATION)

Authentic Source : NIHII

Priority : only for NIHII

History : Y

Parent table : ACTOR

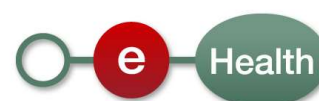
2.2.23 NIHII_PROFESSIONAL

Attributes	Specifications	Remark
NIHII_ID	Description : NIHII identifier Type : varchar Mandatory : Y	
NIHII_INSCRIPTION_DATE	Description : Inscription date of the NIHII ID Type : varchar Mandatory : N	

This table contains the information about the nihii number (= NIHII_ID)

Authentic Source : NIHII

Priority : only for NIHII



History : Y

Parent table : HC_PROFESSIONAL

Child table: NIHII_QUALIFICATION, NIHII_PROF_STATUS, NIHII_CONVENTION, NIHII_ACCREDITATION

2.2.24 NIHII_PROF_QUALIFICATION

Attributes	Specifications	Remark
QUALIFICATION_CODE	Description : NIHII qualification/competency code Type : varchar Mandatory : Y	
QUALIFICATION_DATE	Description : Begin date of the qualification code Type : varchar Mandatory : Y	

This table contains the information about the nihii qualification code. The qualification code correspond to the 3 last digit of the nihii number in 11 digits. The qualification code is variable in the time.

Authentic Source : NIHII

Priority : only for NIHII

History : Y

Parent table : NIHII_PROFESSIONAL

2.2.25 NIHII_PROF_STATUS

Attributes	Specifications	Remark
STATUS_TYPE	Description: Type of the status from NIHII (ex : Active, inactive, pensioned, ...) Type : varchar Mandatory : Y	
STATUS_DATE	Description : Begin date of the status Type : varchar Mandatory : Y	

This table contains the information about the nihii professional status



Authentic Source : NIHII

Priority : only for NIHII

History : Y

Parent table : NIHII_PROFESSIONAL

2.2.26 NIHII_ACCREDITATION

Attributes	Specifications	Remark
START_DATE	Description : Start date of the accreditation Type : varchar Mandatory : Y	
END_DATE	Description : End date of the accreditation Type : varchar Mandatory : N	

This table contains the information about the nihii accreditation.

Authentic Source : NIHII

Priority : only for NIHII

History : Y

Parent table : NIHII_PROFESSIONAL

2.2.27 NIHII_CONVENTION_STATUS

Attributes	Specifications	Remark
CONVENTION_STATUS	Description: Flag that indicate if the professional has accepted the convention, not accepted or partially accepted. In this last case, there is a link to the practice address(es) where the professional practice with the convention. Type : varchar	3 possibilities : ACCEPTED, NOT ACCEPTED and PARTIAL



	Mandatory : Y	
DATE_SIGNED_CONVENTION	Description : Date at which the professional has signed the convention Type : date Mandatory : Y	
TO_BE_CONFIRMED	Description : Flag that indicate if the professional must still confirm the convention status Mandatory : N	

This table contains the information about the nihii convention status

Authentic Source : NIHII

Priority : only for NIHII

History : Y

Parent table : NIHII_PROFESSIONAL

Child tables: NIHII_CONVENTION_LIMITATION (0-N) , NIHII_CONVENTION

2.2.28 NIHII_CONVENTION

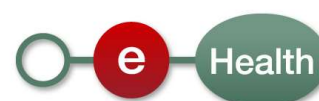
Attributes	Specifications	Remark
REFERENCE	Description : Reference of the convention (it depend on the year of the convention) Type : varchar Mandatory : Y	
START_DATE	Description : Start date of the convention Type : varchar Mandatory : Y	
END_DATE	Description : End date of the convention Type : date Mandatory : N	

This table contains the information about the nihii conventions

Authentic Source : NIHII

Priority : only for NIHII

History : Y



Parent table : NIHII_CONVENTION_STATUS

2.2.29 NIHII_CONVENTION_LIMITATION

Attributes	Specifications	Remark
NIHII_CONV_LIM_ID	Description : Technical ID from NIHII Type : Date Mandatory : Y	
START_DATE	Description : Start date of the limitation Type : Date Mandatory : Y	
END_DATE	Description : End date of the limitation Type : Date Mandatory : N	
WITHIN_CONVENTION	Description : Flag that indicate if this limitation concern a conventioned activity on this place Type : varchar Mandatory : Y	
DAY_OF_THE_WEEK	Description : Day of the week concerning this limitation Type : varchar Mandatory : Y	Ex : Mo/Tu/We/Th/Fr/Sa/Su
START_TIME	Description : Start time of the limitation Type : varchar Mandatory : Y	
STOP_TIME	Description : Stop time of the limitation Type : varchar Mandatory : Y	
FREQUENCY	Description : Indicate the frequency of the limitation. (Accepted value : 1/2/3/4/5/6 -> See explanation below) Type : varchar Mandatory : Y	
COMMUNICATION	Description : Free text with some other information about the limitation Type : varchar	



	Mandatory : N	
--	---------------	--

This table contains the information about the limitation in the time of the nihii conventions regarding the practice addresses of a professional.

RM :

<u>Frequency</u> :	1	every week	1
	2	every two weeks	0,5
	3	a week in three	0,3333
	4	a week in four	0,25
	5	two weeks out of three	0,6667
	6	three weeks out of four	0,75

Authentic Source : NIHII

Priority : only for NIHII

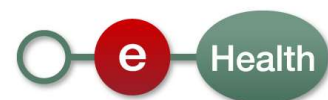
History : Y

Parent table : NIHII_CONVENTION_STATUS

Link tables: LINK

2.2.30 CBE_COMPANY

Attributes	Specifications	Remark
CBE_ID	Description : CBE identifier Type : varchar Mandatory : Y	
DENOMINATION	Description : Denomination of the company Type : varchar Mandatory : N	
DENOMINATION_DATE	Description : Start date of the denomination Type : date Mandatory : N	



JUR_FORM_TYPE	Description : Juridical form of the company Example : OCMW, NV, BVBA, VZW, CV, ... Type : varchar (codification from the CBE) Mandatory : N	
JUR_FORM_DATE	Description : Start date of the juridical form Type : date Mandatory : N	
JUR_SIT_TYPE	Description : Juridical situation of the company (Example: fusion by absorption , normal situation , Closure of bankruptcy, ...) Type : varchar Mandatory : N	
JUR_SIT_DATE	Description : Juridical situation date Type : date Mandatory : N	
STATUS_TYPE	Description : Status of the company (Example: Active , Ended, Cancelled , ...) Type : varchar Mandatory : N	
STATUS_DATE	Description : Date of the status (Example: Active , Ended, Cancelled , ...) Type : varchar Mandatory : N	
COMPANY_TYPE	Description : Entity type Example private commercial, public , ASBL/VZW, legal person , ... Type : varchar Mandatory : N	

This table contains the information about the CBE Company from the Crossroad Bank for Enterprise (CBE).

Authentic Source : All

Priority : The highest priority for CBE.

History : Y

Parent table : ACTOR

Child tables: ESTABLISHMENT_UNIT



Linked tables : HC_ORGANIZATION, HC_ASSOCIATION

2.2.31 ESTABLISHMENT_UNIT

Attributes	Specifications	Remark
EU_ID	Description : Establishment unit identifier Type : varchar Mandatory : Y	
DENOMINATION	Description : Denomination of the establishment unit Type : varchar Mandatory : N	
DENOMINATION_DATE	Description : Start date of the denomination Type : date Mandatory : N	
STATUS_TYPE	Description : Status of the establishment unit (Example: Active , Ended, Cancelled , ...) Type : varchar Mandatory : N	
STATUS_DATE	Description : Status of the company (Example: Active , Ended, Cancelled , ...) Type : varchar Mandatory : N	

This table contains the information about the Establishment Unit from the Crossroad Bank for Enterprise (CBE).

Authentic Source : All

Priority : The highest priority for CBE.

History : Y

Parent tables : ACTOR, CBE_COMPANY

Linked tables : SITE



2.2.32 HC_ORGANIZATION

Attributes	Specifications	Remark
HCO_ID	Description : Identifier of the HealthCare Organization. This identifier correspond to the identifier of an Authentic Source. This identifier is unique only by Authentic Source Type : varchar Mandatory : Y	This is unique only by Authentic Source
UNIQUE_ID	Description : Unique Identifier number. This identifier is really unique without any dependency (This is not depending of the Authentic Source). A special functionality of CoBRHA + will be used to determine /attribute this identifier Type : varchar Mandatory : Y	Denomination to be adapted
DENOMINATION	Description : Denomination of the HC Organization Type : varchar Mandatory : N	
CONTACT_LANGUAGE	Description : Contact language for the HC Organization Type : varchar Mandatory : N	
ORGANIZATION_TYPE	Description : Type of Organization Type : varchar Mandatory : Y	
ORG_SUB_TYPE	Description : Sub-type of Organization. This will be used for the HC_Collaboration in order to define the collaboration or association according to their specific settlement/law. Type : varchar Mandatory : N	
TYPE_CODE	Description :The type code Indicate if the HC Organization is an HC Institution or HC Collaboration Type : varchar Mandatory : Y	

This table contains the information about the HC Organization. The HC Organization are splitted in 2 categories :

- HC_INSTITUTION
- HC_COLLABORATION



The information about the category will be given by the value of the field 'TYPE_CODE'. In the representation of the data model, the 2 categories are represented separately in order to better view the link with the other tables concerning each one.

RM : There was a special identifier in CoBHRA called "EHP_ID" and published by eHealth for some special organization (like Hub, centra 112, ..) , not recognized by any Authentic Source, but active in the Belgian HealthCare system. This will be published in the HCO_ID by eHealth in CoBRHA+

Authentic Source : All

Priority : depending on the HC_Organization type

History : Y

Parent table : ACTOR

Child tables: APPROVAL, STATUS

Linked tables : SITE, ACTIVITY , NIHII_ORGANIZATION, CBE_COMPANY

2.2.33 APPROVAL

Attributes	Specifications	Remark
APPROVAL_ID	Description : Approval number for HC_ORGANIZATION, SITE or ACTIVITY Type : varchar Mandatory : N	
APPROVAL_TYPE	Description : Type of the approval Type : varchar Mandatory : N	
AS_TYPE	Description : Authentic Source that give the approval ID Type : varchar Mandatory : N	

This table contains the information about the approval number the may be related to HC_ORGANIZATION, SITE or ACTIVITY. For a same HC_ORGANIZATION (or a same SITE, or a same



ACTIVITY) , it's possible to have different approval ID given by different Authentic Sources. But there is only one approval number by Authentic Source.

Authentic Source : ALL

Priority : to be define

History : Y

Parent table : HC_ORGANIZATION, SITE, ACTIVITY

2.2.34 STATUS

Attributes	Specifications	Remark
STATUS_TYPE	Description : Status type (Codification) of the HC Organization, or of the SITE, or of the ACTIVITY, or of the APPROVAL Type : varchar Mandatory : Y	
START_DATE	Description : Begin date of the status Type : varchar Mandatory : N	
END_DATE	Description : End date of the status Type : varchar Mandatory : N	

This table contains the information about the status of the HC_ORGANIZATION, or of the SITE, or of the ACTIVITY, or of the APPROVAL

Authentic Source : All

Priority : to be defined

History : Y

Parent table : HC_ORGANIZATION, SITE, APPROVAL, ACTIVITY

2.2.35 SITE



Attributes	Specifications	Remark
SITE_ID	Description : Site identifier from the AS Type : varchar Mandatory : Y	
SITE_UNIQUE_ID	Description : Unique ID for the site Type : varchar Mandatory : Y	
DENOMINATION	Description : Denomination of the Site Type : varchar Mandatory : N	

This table contains the information about the site.

A site may be a sub-site of another site (In practice is there is only one level of sub-subsite)

For the Hospital, there is a notion of primary site and secondary site. This will be indicated with an Attribute.

Authentic Source : ALL

Priority : Same as for HC Organization

History : Y

Parent table : ACTOR

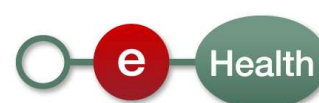
Child tables: APPROVAL, STATUS

Linked tables : HC_ORGANIZATION, ACTIVITY, ESTABLISHMENT_UNIT

2.2.36 ACTIVITY

Attributes	Specifications	Remark
ACTIVITY_TYPE	Description : Type of the activity Type : varchar Mandatory : Y	
ACT_SUB_TYPE	Description : Sub-Type of the activity Type : varchar Mandatory : N	

This table contains the information about the Activity



- [Erkenning bedden in dienst](#)
- [Erkenning functie](#)
- [Zorgprogramma](#)
- [Medische diensten](#)

The activity may have sub-activity -> No

Authentic Source : ALL

Priority : to be define

History : Y

Link table : HC_ORGANIZATION, SITE, ACTOR

Child table : STATUS, APPROVAL

2.2.37 COUNT

Attributes	Specifications	Remark
COUNT	Description : Available number of the type/sub-type activity. (ex : Total amount of certain type of bed) Type : varchar Mandatory : Y	

This table contains the information about the number of related to a specific approval (exe number of bed)

Authentic Source : ALL

Priority : to be define

History : Y

Parent table : APPROVAL



2.2.38 NIHII_ORGANIZATION

Attributes	Specifications	Remark
NIHII_ID	Description : NIHII identifier Type : varchar Mandatory : Y	
NIHII_INSCRIPTION_DATE	Description : Inscription date of the NIHII ID Type : varchar Mandatory : N	

This table contains the information about the NIHII_ORGANIZATION

Authentic Source : NIHII

Priority : only for NIHII

History : Y

Parent table : HC_ORGANIZATION

Child tables: NIHII_ORG_QUALIFICATION, NIHII_ORG_STATUS

2.2.39 NIHII_ORG_QUALIFICATION

Attributes	Specifications	Remark
QUALIFICATION_CODE	Description : NIHII qualification/competency code Type : varchar Mandatory : Y	
QUALIFICATION_DATE	Description : Begin date of the qualification code Type : varchar Mandatory : N	

This table contains the information about the nihii qualification code. The qualification code correspond to the 3 last digit of the nihii number in 11 digits. The qualification code is variable in the time.

Authentic Source : NIHII

Priority : only for NIHII



History : Y

Parent table : NIHII_ORGANIZATION

2.2.40 NIHII_ORG_STATUS

Attributes	Specifications	Remark
STATUS_TYPE	Description: Type of the status from NIHII (ex : Active, Activity stopped, ...) Type : varchar Mandatory : Y	
STATUS_DATE	Description : Begin date of the status Type : varchar Mandatory : N	

This table contains the information about the nihii organization status

Authentic Source : NIHII

Priority : only for NIHII

History : Y

Parent table : NIHII_ORGANIZATION

