UC-270-Get TherLink-HC party not in request-no proof-HC prof
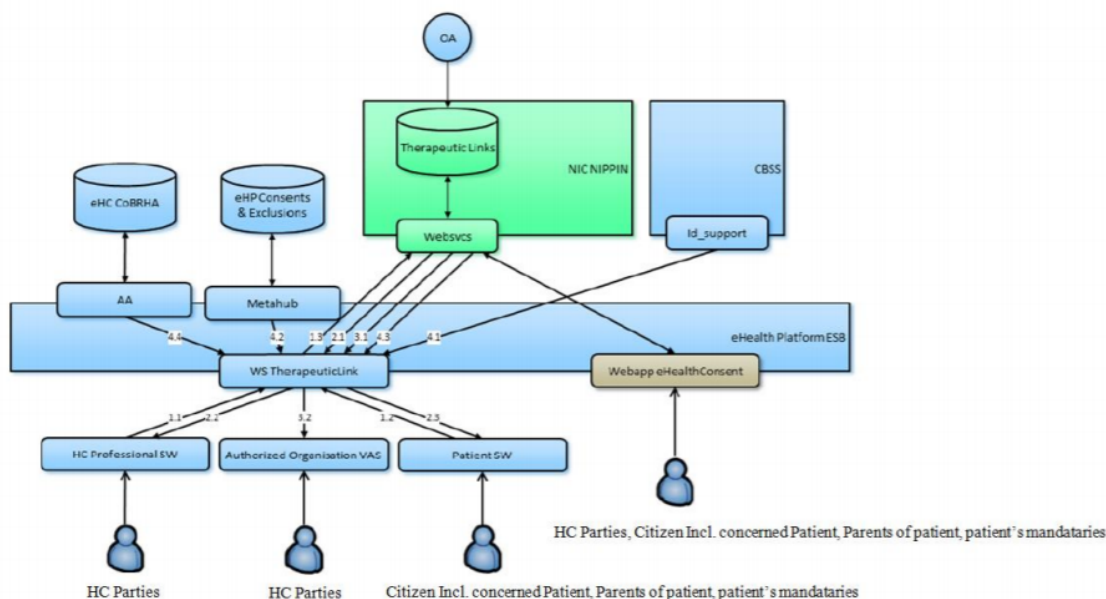
Used Documentation

Cookbook	Version	Location
Therapeutic Link WS Cookbook	1.6	https://www.ehealth.fgov.be/ehealthplatform/nl/service-ehealth-therapeutic-links

General Information

Therapeutic Links

Management of the Therapeutic Links:

- The eHealth consent WA will allow both patients (incl. patient's parents or mandataries) and authorized HC parties to manage the therapeutic links (declaration, revocation and consultation)
- The authorized HC parties, citizin (incl. concerned patients, parents of patients or patient's mandataries) are also able to perform the same operations throughout their usual software by calling the eHealth therapeutic link WS.
- The authorized HC organizations are only authorized to verify the existence of the therapeutic links before allowing the HC parties ti access the medical data of the patients by calling the therapeutic link consultation WS through their application.

The existence of a therapeutic relation is one of the fundamental prerequisites for the healthcare (HC) providers to access a patient's medical data. Therefore, the eHealth platform makes available to the actors
involved in the exchange, storage or referencing personal data, a relay service to manage those therapeutic relations and associated means of evidence.

This relay service is obviously limited to kinds of therapeutic links made available at the eHealth platform level by the 'owner' of this therapeutic link (such as the HC party declaring a therapeutic link or the actor responsible
of a recognized specific database, e.g. for Global Medical File relation). A therapeutic link is a relation between a patient and a HC party for a certain type of therapeutic
relation over a period of validity depending on the given evidence. It is not possible to update an existing the therapeutic link; to update information you first need to revoke the existing therapeutic link.

However, the period of validity of an active therapeutic link could be extended on the condition that

- The start date of the new period is greater or equal to the start date of the period to be extended
- The end date of the new period is greater than the end date of the period to be extended (overlap of period of validity)

The following operations (request-response operation type) will support the management of these links:

PutTherapeuticLink	Used to declare the therapeutic links. Its main purpose is to allow one to declare a therapeutic link.
RevokeTherapeuticLink	Used to revoke the therapeutic links. Its main purpose is to allow one to "end" the (declaration of a) therapeutic link.
GetTherapeuticLink	Used to consult therapeutic links according to basic search parameters. Its main purpose is to allow one to check the existence of the therapeutic links when executing a consultation process
HasTherapeuticLink	Used to check the existence of a therapeutic link

The therapeutic links are managed according to the rules corresponding to the type of therapeutic link through:

- Specific webservices (WS) by HC professionals as end-users through their usual software or through an authorized organization
- A dedicated web application (WA), currently called eHealth Consent with following end-users: Patients and HC professionals/ HC professionals within an organization

	Declare/Put	Revoke	Consult (Get)	Has
Citizen (patient, parent, mandatary)	Yes	Yes	Yes	Yes
Authorized HC Parties (HC professionals)	Yes	Yes	Yes	Yes
Authorized HC organizations	No	No	Yes	Yes

KMEHR

This service is a 'KMEHR-based' WS. We thus strongly recommend consulting the documentation related to the KMEHR normative elements. The KMEHR site aims to offer a central point for the documentation of the KMEHR normative elements.

https://www.ehealth.fgov.be/standards/kmehr/en

The three following generic elements are, in particular, essentials to build the request and the reply of the therapeutic link WS.

- **cd** : This is the key element used to code information: this section is completely based on the description from the KMEHR standard, as can be found on: https://www.ehealth.fgov.be/standards/kmehr/en/page/key-elements#cd
- **id:** This element is used to uniquely identify key elements like request, response of the WS, patient, HCParty. It can also be used to specify any unique identifier: this section is completely based on the description from the KMEHR standard, as can be found on: https://www.ehealth.fgov.be/standards/kmehr/en/page/key-elements#id
- **HC Party:** The hcparty element is a generic element that aims to represent any kind of healthcare party: organization, physician, medical specialty, or even IT systems: this section is entirely based on the description from the KMEHR standard, as can be found on: https://www.ehealth.fgov.be/standards/kmehr/en/page/hcparty

Basic Flow

Flow	Specifications
Unknown macro: 'drawio'	<table><tr><td>ID</td><td>UC-270-BF</td></tr><tr><td>Name</td><td>Get Therapeutic Link - HC Professional -no proof - HC party not in request</td></tr></table>

Description	Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient. HC Professional acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the personal eHealth Certificate of the end-user (HC Professional). Only following HC party categories are allowed to manage therapeutic links: Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue
Actor(s)	• HC Professional (Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue)
Requirements	• End-user is a HC professional (Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue) • End-user manages the therapeutic links throughout his usual software • Valid personal eHealth Certificate • e-ID card of concerned patient • Identification end-user: SSIN, NIHII (if available), HC professional category • Identification concerned patient: SSIN, support card number (optional) • *Therapeutic link type: °physician: gpconsultation or specialistconsultation or patientmanagement °nurse: nurseconsultation or patientmanagement °other professionals: consultation or patientmanagement • Time period • Status of consulted therapeutic link
Trigger	The user wants to get a therapeutic link
Precondition(s)	• The user has an account for the application • The user is logged out
Flow	1. The user attempts to access the eHealth WS Therapeutic Link 2. The user needs to request a SAML Token by using it's *personal eHealth Certificate* 3. A request for a SAML Token is sent to the Secure Token Service (STS) 4. The STS responds with a SAML Token 5. The user has access to the eHealth WS Therapeutic Link 6. The user does a request to *Get a Therapeutic Link* 7. The Get Therapeutic Link Request is sent to the WS Therapeutic Link 8. The therapeutic links of the concerned patient and the concerned author are returned 9. The request is logged 10. The WS Therapeutic link responds with a Therapeutic Link Response

P o s t C o n di ti o n (s)	• The request is logged • The therapeutic links of the concerned patient and the concerned author are returned
T e st D a ta	Example Get Therapeutic Link p48
E n d p oi nt (s)	Therapeutic Links
R e m a rk s*	• Recorded date time : date time of the DB when the therapeutic link is created or revoked • The author of the operation : only NIHII, if any and HC party category of the author are returned as legally the SSIN of the author cannot be known • If no therapeutic links corresponding to the criteria could be found, an empty list is returned
A d di ti o n al I n f o r m a ti on	• If the begin date is provided then the end date must be also provided (and respectively) • A therapeutic link is active when the current date is part of its period of validity
R e m a rk s e n d - u s e rs	Should be available soon for clinical orthopedic pedagogue, clinical psychologist & dental hygienist

Alternative Flow

Flow	Specifications

ID	UC-270-AF01
Name	Get Therapeutic Link - HC Professional -no proof - HC party not in request- No time period - No status
Description	Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient. HC Professional acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the personal eHealth Certificate of the end-user (HC Professional). Only following HC party categories are allowed to manage therapeutic links: Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue
Actor(s)	• HC Professional (Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue)
Requirements	• End-user is a HC professional (Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue) • End-user manages the therapeutic links throughout his usual software • Valid personal eHealth Certificate • e-ID card of concerned patient • Identification end-user: SSIN, NIHII (if available), HC professional category • Identification concerned patient: SSIN, support card number (optional) • *Therapeutic link type: °physician: gpconsultation or specialistconsultation or patientmanagement °nurse: nurseconsultation or patientmanagement °other professionals: consultation or patientmanagement • Time period • Status of consulted therapeutic link
Trigger	The user wants to get a therapeutic link
Precondition(s)	• The user has an account for the application • The user is logged out

Flow	
F low	1. The user attempts to access the eHealth WS Therapeutic Link 2. The user needs to request a SAML Token by using it's *personal eHealth Certificate* 3. A request for a SAML Token is sent to the Secure Token Service (STS) 4. The STS responds with a SAML Token 5. The user has access to the eHealth WS Therapeutic Link 6. The user does a request to *Get a Therapeutic Link* 7. The Get Therapeutic Link Request is sent to the WS Therapeutic Link 8. The therapeutic links of the concerned patient and the concerned author are returned 9. The request is logged 10. The WS Therapeutic link responds with a Therapeutic Link Response
P ost C on di ti o n (s)	• The request is logged • The therapeutic links of the concerned patient and the concerned author are returned
T e st D a ta	Example Get Therapeutic Link p48
E n d p oi nt (s)	Therapeutic Links
R e m a rk s*	• Recorded date time : date time of the DB when the therapeutic link is created or revoked • The author of the operation : only NIHII, if any and HC party category of the author are returned as legally the SSIN of the author cannot be known • If no therapeutic links corresponding to the criteria could be found, an empty list is returned
R e m a rk s e n d - u s e rs	Should be available soon for clinical orthopedic pedagogue, clinical psychologist & dental hygienist

Exception Flow 1

Flow	Specifications

Unknown macro: 'drawio'	

ID	UC-270-EF01
Name	Get Therapeutic Link - HC Professional -no proof - HC party not in request - The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link
Description	Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.
	HC Professional acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the personal eHealth Certificate of the end-user (HC Professional). Only following HC party categories are allowed to manage therapeutic links: Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue. The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link
Actor(s)	• HC Professional (Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue)

Requirements	• End-user is a HC professional (Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue)
	• The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link
	• End-user manages the therapeutic links throughout his usual software
	• Valid personal eHealth Certificate
	• e-ID card of concerned patient
	• Identification end-user: SSIN, NIHII (if available), HC professional category
	• Identification concerned patient: SSIN, support card number (optional)
	• *Therapeutic link type:
	
	  °physician: gpconsultation or specialistconsultation or patientmanagement
	
	  °nurse: nurseconsultation or patientmanagement
	
	  °other professionals: consultation or patientmanagement
	
	• Time period
	• Status of consulted therapeutic link

Trigger	The user wants to get a therapeutic link
Precondition(s)	• The user has an account for the application • The user is logged out

Flow	
	1. The user attempts to access the eHealth WS Therapeutic Link
	2. The user needs to request a SAML Token by using it's *personal eHealth Certificate*
	3. A request for a SAML Token is sent to the Secure Token Service (STS)
	4. The STS responds with a SAML Token
	5. The user has access to the eHealth WS Therapeutic Link
	6. The user does a request to *Get a Therapeutic Link*
	7. The Get Therapeutic Link Request is sent to the WS Therapeutic Link
	8. The WS Therapeutic link responds with a Therapeutic Link Response: error message
Post Condition(s)	Error message
Test Data	Example Get Therapeutic Link p48
Endpoint(s)	Therapeutic Links
Remarks end-users	Should be available soon for clinical orthopedic pedagogue, clinical psychologist & dental hygienist

Exception Flow 2

Flow	Specifications
Unknown macro: 'drawio'	

ID	UC-270-EF02
Name	Get Therapeutic Link - HC Professional -no proof - HC party not in request - Sender is not allowed to perform the consultation according to the predefined rules **e.g.** validation on the author (NIHII valid, SSIN valid,...?)

Description	Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient. HC Professional acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the personal eHealth Certificate of the end-user (HC Professional). Only following HC party categories are allowed to manage therapeutic links: Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue. Sender is not allowed to perform the consultation according to the predefined rules **e.g.** validation on the author (NIHII valid, SSIN valid,...?)
Actor(s)	• HC Professional (Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue)

Requirements	• End-user is a HC professional (Physician, Nurse, Dentist, Midwife, Audician, Physiotherapist, Occupational therapist, Practical nurse, Dietician, Audiologist, Podologist, Truss maker, Logopedist, Orthoptist, Lab technologist, Imaging technologist, clinical orthopedic pedagogue)
	• Sender is not allowed to perform the consultation according to the predefined rules **e.g.** validation on the author (NIHII valid, SSIN valid,...?)
	• End-user manages the therapeutic links throughout his usual software
	• Valid personal eHealth Certificate
	• e-ID card of concerned patient
	• Identification end-user: SSIN, NIHII (if available), HC professional category
	• Identification concerned patient: SSIN, support card number (optional)
	• *Therapeutic link type:
	
	  °physician: gpconsultation or specialistconsultation or patientmanagement
	
	  °nurse: nurseconsultation or patientmanagement
	
	  °other professionals: consultation or patientmanagement
	
	• Time period
	• Status of consulted therapeutic link

Trigger	The user wants to get a therapeutic link
Precondition(s)	• The user has an account for the application • The user is logged out
Flow	1. The user attempts to access the eHealth WS Therapeutic Link 2. The user needs to request a SAML Token by using it's *personal eHealth Certificate* 3. A request for a SAML Token is sent to the Secure Token Service (STS) 4. The STS responds with a SAML Token 5. The user has access to the eHealth WS Therapeutic Link 6. The user does a request to *Get a Therapeutic Link* 7. The Get Therapeutic Link Request is sent to the WS Therapeutic Link 8. The WS Therapeutic link responds with a Therapeutic Link Response: error message

P o st C o n di ti o n (s)	Error message
T e st D a ta	Example Get Therapeutic Link p48
E n d p oi nt (s)	Therapeutic Links
R e m a rk s e n d - u s e rs	Should be available soon for clinical orthopedic pedagogue, clinical psychologist & dental hygienist