# UC-298-Has TherLink-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
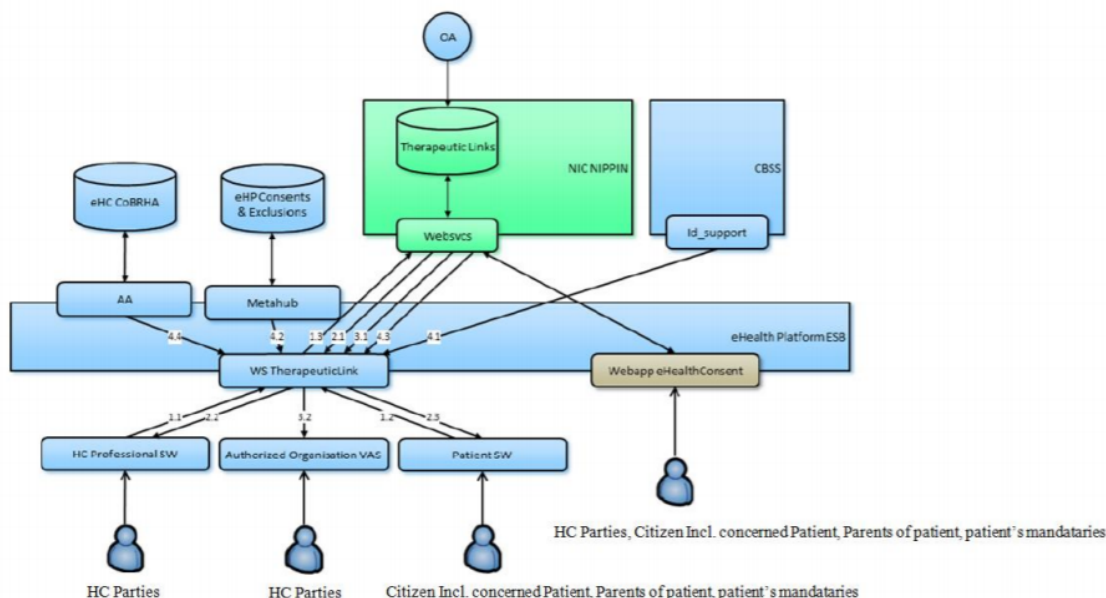


Management of the Therapeutic Links:

- 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-298-BF</td></tr><tr><td>Name</td><td>Has Therapeutic Link - HC professional</td></tr><tr><td>Description</td><td>Has Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</td></tr></table> |

| | | |
|---|---|---|
| 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 | <ul><li>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)</li><li>End-user manages the therapeutic links throughout his usual software</li><li>Valid personal eHealth certificate</li><li>Identification end-user: SSIN, NIHII (if available), professional category</li><li>Identification concerned patient: SSIN, support card number (optional)</li><li>Identification data concerned HC party: SSIN, NIHII (if available), HC party category, first and last name (optional)</li><li>Therapeutic link type (optional)</li></ul> | |
| Trigger | User wants to check the existence of a therapeutic link between a patient and a HC professional | |
| Precondition(s) | <ul><li>The user has an account for the application</li><li>The user is logged out</li></ul> | |
| Flow | 1. The user attempts to access the eHealth WS Therapeutic Link<br>2. The user needs to request a SAML Token by using it's *personal eHealth Certificate*<br>3. A request for a SAML Token is sent to the Secure Token Service (STS)<br>4. The STS responds with a SAML Token<br>5. The user has access to the eHealth WS Therapeutic Link<br>6. The user does a request to *Has a Therapeutic Link*<br>7. The Has Therapeutic Link Request is sent to the WS Therapeutic Link<br>8. The WS Therapeutic link returns a boolean value<br>9. The request is logged<br>10. The WS Therapeutic link responds with a Therapeutic Link Response | |
| Post Condition(s) | <ul><li>The WS Therapeutic link returns a boolean value</li><li>The request is logged</li></ul> | |
| Test Data | <ul><li>Has Therapeutic link Request</li><li>Has Therapeutic Link Response Successful</li><li>Has Therapeutic link response unsuccessful</li></ul> | |
| End point(s) | Therapeutic Links | |
| Remarks | Boolean value: It returns a true if a therapeutic link of this type exists between the patient and HC party. If no therapeutic links corresponding to the criteria could be found, the value false is returned. If no type is specified, any type of therapeutic link is considered. | |
| Additional Information | This operation takes a patient HC party identification and an (optional) type of therapeutic link as input. It returns true if a therapeutic link of this type exists between the patient and HC party. If no type is specified, any type of therapeutic link is considered. | |
| Remarks end-users | Should be available soon for clinical orthopedic pedagogue, clinical psychologist & dental hygienist | |

# Exception Flow

| Flow | Specifications |
|---|---|


Unknown macro: 'drawio'

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|---|---|
| ID | UC-298-EF |
| Name | Has Ther Link - HC professional -  Exceptions |
| Description | Has Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient. Possible exceptions |
| 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 | <ul><li>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</li><li>Valid personal eHealth certificate</li><li>Identification end-user: SSIN, NIHII (if available), professional category</li><li>Identification concerned patient: SSIN, support card number (optional)</li><li>Identification data concerned HC party: SSIN,  NIHII (if available), HC party category, first and last name (optional)</li><li>Therapeutic link type (optional)</li></ul> |
| **Possible exceptions** | 1. Technical error<br>2. Invalid data<br><br><ul><li>Sender is not allowed to perform this operation</li><li>The HC party performing the operation does not have the same professional category as the HC professional concerned by the therapeutic link</li><li>Invalid patient (invalid SSIN or SSIN does not correspond to the provided support card number)</li><li>Invalid HC party (incorrect NIHII or NIHII does not correspond to the HC professional category)</li><li>Invalid therapeutic link type</li></ul> |
| Trigger | User wants to check the existence of a therapeutic link between a patient and a HC professional |
| Precondition(s) | <ul><li>The user has an account for the application</li><li>The user is logged out</li></ul> |
| Flow | 1. The user attempts to access the eHealth WS Therapeutic Link<br>2. The user needs to request a SAML Token by using it's *personal eHealth Certificate*<br>3. A request for a SAML Token is sent to the Secure Token Service (STS)<br>4. The STS responds with a SAML Token<br>5. The user has access to the eHealth WS Therapeutic Link<br>6. The user does a request to *Has a Therapeutic Link*<br>7. The Has Therapeutic Link Request is sent to the WS Therapeutic Link<br>8. The WS Therapeutic link returns an error message |

| | | |
|---|---|---|
| Po st Co ndi tio n (s) | <span style="color:red">Error message</span> | |
| Te st Data | • Has Therapeutic link Request<br>• Has Therapeutic Link Response Successful<br>• Has Therapeutic link response unsuccessful | |
| En d poi nt (s) | Therapeutic Links | |
| Ad diti on al Inf or ma tion | This operation takes a patient HC party identification and an (optional) type of therapeutic link as input. It returns true if a therapeutic link of this type exists between the patient and HC party. If no type is specified, any type of therapeutic link is considered. | |