

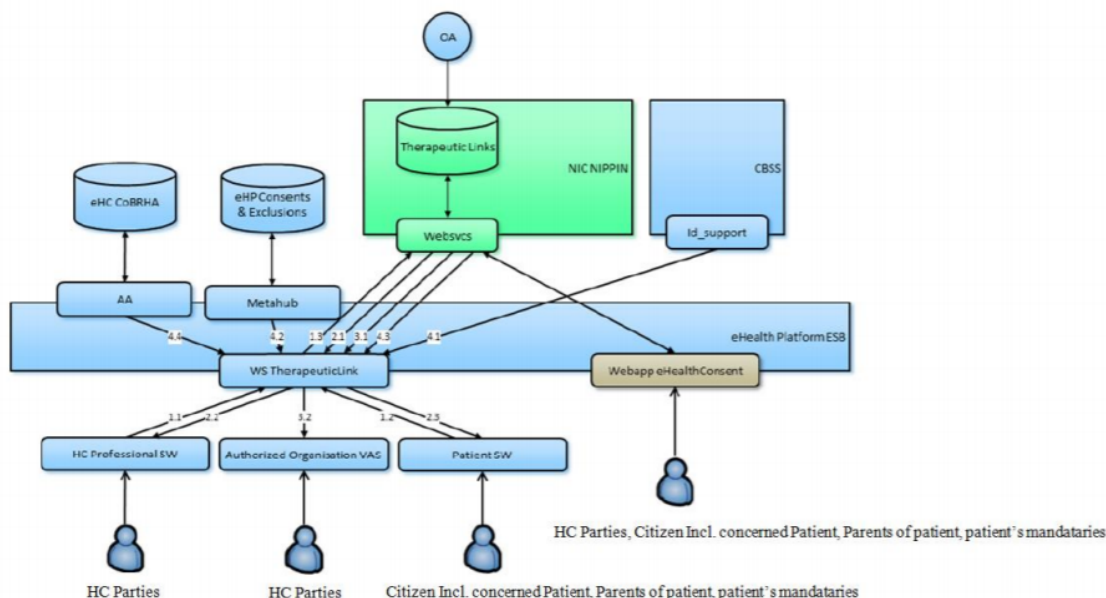
UC-235-Put TherLink-Patient

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 mandatories) and authorized HC parties to manage the therapeutic links (declaration, revocation and consultation)
- The authorized HC parties, citizen (incl. concerned patients, parents of patients or patient's mandatories) 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 to 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 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'

ID	UC-235-BF
Name	Put Therapeutic Link - Patient - Patient management
Description	<p>Put Therapeutic Link, service used to declare a therapeutic link between a patient and a HC party.</p> <p>Patient acts as author of the Therapeutic Link.</p>
Actor(s)	Patient
Requirements	<ul style="list-style-type: none">• End-user is concerned patient• End-user manages the therapeutic links throughout his usual software• Identification end-user:<ul style="list-style-type: none">°Patient software information°Patient SSIN• Identification concerned HC party<ul style="list-style-type: none">°Professional: SSIN, NIHI (if available), HC party category, first and family name (optional)°Organization: NIHI, HC party category, name organization (optional)• Identification concerned patient: SSIN, first and family name• Type of therapeutic link: patient management• Period of validity: 15 months
Trigger	The user wants to put a therapeutic link
Precondition(s)	<ul style="list-style-type: none">• The user has an account for the application• The user is logged out
Flow	<ol style="list-style-type: none">1. The user attempts to access the eHealth WS Therapeutic Link2. The user needs to request a SAML Token by using its <i>e-ID</i>3. A request for a SAML Token is sent to the Secure Token Service (STS)4. The STS responds with a SAML Token5. The user has access to the eHealth WS Therapeutic Link6. The user does a request for Put Therapeutic Link7. The Put Therapeutic Link Request is sent to the WS Therapeutic Link8. The Therapeutic link is created in eHealth Database9. The request is logged10. The WS Consent responds with a Therapeutic Link Response
Post Condition (s)	<ul style="list-style-type: none">• Request is logged• The Therapeutic Link is created in eHealth Database
Test Data	<ul style="list-style-type: none">• Example Put Therapeutic Link Request• Example Put Therapeutic Link Response• Example Put Therapeutic Link Response - Unsuccessful
End point(s)	Therapeutic Link Database
Additional Information	Patient first name and family name may be added for the audit purpose

Exception Flow 1


Flow	Specifications
------	----------------



Unknown macro: 'drawio'

Id	UC-235-EF01
Name	Put Therapeutic Link - Patient - Patient management - A valid therapeutic link of the same type and for the same HC party already exists
Description	Put Therapeutic Link, service used to declare a therapeutic link between a patient and a HC party. Patient acts as author of the Therapeutic Link. A valid therapeutic link of the same type and for the same HC party already exists
Actor(s)	Patient
Requirements	<ul style="list-style-type: none"> • End-user is concerned patient • End-user manages the therapeutic links throughout his usual software • Identification end-user: <ul style="list-style-type: none"> °Patient software information °Patient SSIN • Identification concerned HC party <ul style="list-style-type: none"> °Professional: SSIN, NIHI (if available), HC party category, first and family name (optional) °Organization: NIHI, HC party category, name organization (optional) • Identification concerned patient: SSIN, first and family name • Type of therapeutic link: patient management • Period of validity: 15 months • A valid therapeutic link of the same type and for the same HC party already exists
Trigger	The user wants to put a therapeutic link
Precondition(s)	<ul style="list-style-type: none"> • The user has an account for the application • The user is logged out
Flow	<ol style="list-style-type: none"> 1. The user attempts to access the eHealth WS Therapeutic Link 2. The user needs to request a SAML Token by using its <i>e-ID</i> 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 for Put Therapeutic Link 7. The Put Therapeutic Link Request is sent to the WS Therapeutic Link 8. The WS Consent responds with a Therapeutic Link Response: error message
Post Condition(s)	Error message
Test Data	<ul style="list-style-type: none"> • Example Put Therapeutic Link Request • Example Put Therapeutic Link Response • Example Put Therapeutic Link Response - Unsuccessful
Endpoint(s)	Therapeutic Link Database

Exception Flow 2

Flow	Specifications																		
 Unknown macro: 'drawio'	<table> <tr> <td>ID</td><td>UC-235-EF02</td></tr> <tr> <td>Name</td><td>Put Therapeutic Link - Patient - Patient management - Sender not allowed to perform the declaration</td></tr> <tr> <td>Description</td><td>Put Therapeutic Link, service used to declare a therapeutic link between a patient and a HC party. Patient acts as author of the Therapeutic Link. The sender is not allowed to perform the declaration according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)</td></tr> <tr> <td>Actor(s)</td><td>Patient</td></tr> <tr> <td>Requirements</td><td> <ul style="list-style-type: none"> End-user is concerned patient End-user manages the therapeutic links throughout his usual software Identification end-user: <ul style="list-style-type: none"> °Patient software information °Patient SSIN Identification concerned HC party <ul style="list-style-type: none"> °Professional: SSIN, NIHII (if available), HC party category, first and family name (optional) °Organization: NIHII, HC party category, name organization (optional) Identification concerned patient: SSIN, first and family name Type of therapeutic link: patient management Period of validity: 15 months The sender is not allowed to perform the declaration according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?) </td></tr> <tr> <td>Trigger</td><td>The user wants to put a therapeutic link</td></tr> <tr> <td>Precondition(s)</td><td> <ul style="list-style-type: none"> The user has an account for the application The user is logged out </td></tr> <tr> <td>Flow</td><td> <ol style="list-style-type: none"> The user attempts to access the eHealth WS Therapeutic Link The user needs to request a SAML Token by using it's e-ID A request for a SAML Token is sent to the Secure Token Service (STS) The STS responds with a SAML Token The user has access to the eHealth WS Therapeutic Link The user does a request for Put Therapeutic Link The Put Therapeutic Link Request is sent to the WS Therapeutic Link The WS Consent responds with a Therapeutic Link Response: error message </td></tr> <tr> <td>PostCondition(s)</td><td>Error message</td></tr> </table>	ID	UC-235-EF02	Name	Put Therapeutic Link - Patient - Patient management - Sender not allowed to perform the declaration	Description	Put Therapeutic Link, service used to declare a therapeutic link between a patient and a HC party. Patient acts as author of the Therapeutic Link. The sender is not allowed to perform the declaration according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)	Actor(s)	Patient	Requirements	<ul style="list-style-type: none"> End-user is concerned patient End-user manages the therapeutic links throughout his usual software Identification end-user: <ul style="list-style-type: none"> °Patient software information °Patient SSIN Identification concerned HC party <ul style="list-style-type: none"> °Professional: SSIN, NIHII (if available), HC party category, first and family name (optional) °Organization: NIHII, HC party category, name organization (optional) Identification concerned patient: SSIN, first and family name Type of therapeutic link: patient management Period of validity: 15 months The sender is not allowed to perform the declaration according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?) 	Trigger	The user wants to put a therapeutic link	Precondition(s)	<ul style="list-style-type: none"> The user has an account for the application The user is logged out 	Flow	<ol style="list-style-type: none"> The user attempts to access the eHealth WS Therapeutic Link The user needs to request a SAML Token by using it's e-ID A request for a SAML Token is sent to the Secure Token Service (STS) The STS responds with a SAML Token The user has access to the eHealth WS Therapeutic Link The user does a request for Put Therapeutic Link The Put Therapeutic Link Request is sent to the WS Therapeutic Link The WS Consent responds with a Therapeutic Link Response: error message 	PostCondition(s)	Error message
ID	UC-235-EF02																		
Name	Put Therapeutic Link - Patient - Patient management - Sender not allowed to perform the declaration																		
Description	Put Therapeutic Link, service used to declare a therapeutic link between a patient and a HC party. Patient acts as author of the Therapeutic Link. The sender is not allowed to perform the declaration according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)																		
Actor(s)	Patient																		
Requirements	<ul style="list-style-type: none"> End-user is concerned patient End-user manages the therapeutic links throughout his usual software Identification end-user: <ul style="list-style-type: none"> °Patient software information °Patient SSIN Identification concerned HC party <ul style="list-style-type: none"> °Professional: SSIN, NIHII (if available), HC party category, first and family name (optional) °Organization: NIHII, HC party category, name organization (optional) Identification concerned patient: SSIN, first and family name Type of therapeutic link: patient management Period of validity: 15 months The sender is not allowed to perform the declaration according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?) 																		
Trigger	The user wants to put a therapeutic link																		
Precondition(s)	<ul style="list-style-type: none"> The user has an account for the application The user is logged out 																		
Flow	<ol style="list-style-type: none"> The user attempts to access the eHealth WS Therapeutic Link The user needs to request a SAML Token by using it's e-ID A request for a SAML Token is sent to the Secure Token Service (STS) The STS responds with a SAML Token The user has access to the eHealth WS Therapeutic Link The user does a request for Put Therapeutic Link The Put Therapeutic Link Request is sent to the WS Therapeutic Link The WS Consent responds with a Therapeutic Link Response: error message 																		
PostCondition(s)	Error message																		

Test Data	<ul style="list-style-type: none"> • Example Put Therapeutic Link Request • Example Put Therapeutic Link Response • Example Put Therapeutic Link Response - Unsuccessful
End point (s)	Therapeutic Link Database