

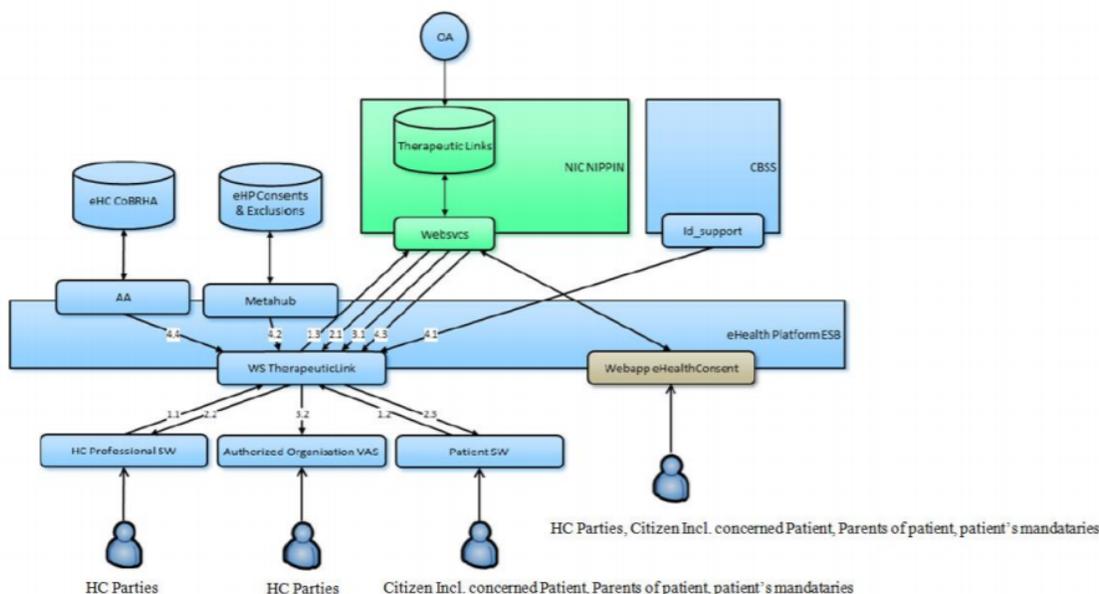
UC-291-Get TherLink-HC party not in request-No proof-HC org

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 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

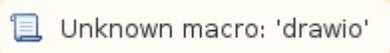
This service is a 'KMEHR-based' WS. We thus strongly recommend consulting the documentation related to the KMEHR normative elements. The KMEHR site aims to offer a central point for the documentation of the KMEHR normative elements.

<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				
	<table border="1"> <tr> <td>Id</td> <td>UC-291-BF</td> </tr> <tr> <td>Name</td> <td>Get Therapeutic Link - HC Organization -no proof HC party not in request</td> </tr> </table>	Id	UC-291-BF	Name	Get Therapeutic Link - HC Organization -no proof HC party not in request
Id	UC-291-BF				
Name	Get Therapeutic Link - HC Organization -no proof HC party not in request				

Description	<p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Organization acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional).</p>
Actor(s)	HC professional through his organization
Requirements	<ul style="list-style-type: none"> • End-user is a HC professional through his organization • HC professional consults the therapeutic links through his organization • Valid certificate of the organization • e-ID card of concerned patient <ul style="list-style-type: none"> • Identification authorized organization <p>°Identification authorized organization: CBE or EHP number</p> <p>°Identifier HC professional: SSIN, NIHII (if available), HC professional category</p> <ul style="list-style-type: none"> • Identification concerned patient: SSIN, support card number (optional) • Therapeutic link type • Time period • Status of consulted therapeutic link
Trigger	The user wants to get 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>personal eHealth Certificate</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 to <i>Get a Therapeutic Link</i> 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
Post Condition(s)	<ul style="list-style-type: none"> • The request is logged • The therapeutic links of the concerned patient and the concerned author are returned
Test Data	Example Get Therapeutic Link p48
End point(s)	Therapeutic Links
Remarks	<ul style="list-style-type: none"> • 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

Additional Information

- 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

Alternative Flow

Flow	Specifications
<div data-bbox="164 537 548 590"> Unknown macro: 'drawio'</div>	

Id	UC-291-AF
Name	Get Therapeutic Link - HC Organization -no proof HC party not in request - No time period - No status
Description	<p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Organization acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional).</p>
Actor(s)	HC professional through his organization
Requirements	<ul style="list-style-type: none"> • End-user is a HC professional through his organization • HC professional consults the therapeutic links through his organization • Valid certificate of the organization • e-ID card of concerned patient <ul style="list-style-type: none"> • Identification authorized organization <p>°Identification authorized organization: CBE or EHP number</p> <p>°Identifier HC professional: SSIN, NIHII (if available), HC professional category</p> <ul style="list-style-type: none"> • Identification concerned patient: SSIN, support card number (optional) • Therapeutic link type
Trigger	The user wants to get 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 it's <i>personal eHealth Certificate</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 to <i>Get a Therapeutic Link</i> 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
Post Condition(s)	<ul style="list-style-type: none"> • The request is logged • A list of therapeutic links fulfilling the criteria related to the concerned patient and HC party is returned
Test Data	Example Get Therapeutic Link p48
End point(s)	Therapeutic Links
Remarks	<ul style="list-style-type: none"> • 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

Exception Flow 1

Flow	Specifications																
<div data-bbox="164 342 548 390" style="border: 1px solid black; padding: 2px; margin-bottom: 10px;">  Unknown macro: 'drawio' </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: right;">ID</td> <td>UC-291-EF01</td> </tr> <tr> <td style="text-align: right;">Name</td> <td>Get Therapeutic Link - HC Organization -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</td> </tr> <tr> <td style="text-align: right;">Description</td> <td> <p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Organization acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link</p> </td> </tr> <tr> <td style="text-align: right;">Actor(s)</td> <td>HC professional through his organization</td> </tr> <tr> <td style="text-align: right;">Requirements</td> <td> <ul style="list-style-type: none"> • End-user is a HC professional through his organization • The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link • HC professional consults the therapeutic links through his organization • Valid certificate of the organization • e-ID card of concerned patient • Identification authorized organization ◦ Identification authorized organization: CBE or EHP number ◦ Identifier HC professional: SSIN, NIHII (if available), HC professional category • Identification concerned patient: SSIN, support card number (optional) • Therapeutic link type • Time period • Status of consulted therapeutic link </td> </tr> <tr> <td style="text-align: right;">Trigger</td> <td>The user wants to get a therapeutic link</td> </tr> <tr> <td style="text-align: right;">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 style="text-align: right;">Flow</td> <td> <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>personal eHealth Certificate</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 to <i>Get a Therapeutic Link</i> 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 </td> </tr> </table>	ID	UC-291-EF01	Name	Get Therapeutic Link - HC Organization -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	<p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Organization acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link</p>	Actor(s)	HC professional through his organization	Requirements	<ul style="list-style-type: none"> • End-user is a HC professional through his organization • The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link • HC professional consults the therapeutic links through his organization • Valid certificate of the organization • e-ID card of concerned patient • Identification authorized organization ◦ Identification authorized organization: CBE or EHP number ◦ Identifier HC professional: SSIN, NIHII (if available), HC professional category • Identification concerned patient: SSIN, support card number (optional) • Therapeutic link type • Time period • Status of consulted therapeutic link 	Trigger	The user wants to get 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>personal eHealth Certificate</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 to <i>Get a Therapeutic Link</i> 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
ID	UC-291-EF01																
Name	Get Therapeutic Link - HC Organization -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	<p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Organization acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link</p>																
Actor(s)	HC professional through his organization																
Requirements	<ul style="list-style-type: none"> • End-user is a HC professional through his organization • The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link • HC professional consults the therapeutic links through his organization • Valid certificate of the organization • e-ID card of concerned patient • Identification authorized organization ◦ Identification authorized organization: CBE or EHP number ◦ Identifier HC professional: SSIN, NIHII (if available), HC professional category • Identification concerned patient: SSIN, support card number (optional) • Therapeutic link type • Time period • Status of consulted therapeutic link 																
Trigger	The user wants to get 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>personal eHealth Certificate</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 to <i>Get a Therapeutic Link</i> 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

Exception Flow 2

Flow	Specifications												
 Unknown macro: 'drawio'	<table border="1"> <tr> <td>ID</td> <td>UC-291-EF02</td> </tr> <tr> <td>Name</td> <td>Get Therapeutic Link - HC Organization -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,...?)</td> </tr> <tr> <td>Description</td> <td> <p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Organization acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). Sender is not allowed to perform the consultation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)</p> </td> </tr> <tr> <td>Actor(s)</td> <td>HC professional through his organization</td> </tr> <tr> <td>Requirements</td> <td> <ul style="list-style-type: none"> End-user is a HC professional through his organization Sender is not allowed to perform the consultation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?) HC professional consults the therapeutic links through his organization Valid certificate of the organization e-ID card of concerned patient Identification authorized organization <ul style="list-style-type: none"> °Identification authorized organization: CBE or EHP number °Identifier HC professional: SSIN, NIHII (if available), HC professional category Identification concerned patient: SSIN, support card number (optional) Therapeutic link type Time period Status of consulted therapeutic link </td> </tr> <tr> <td>Trigger</td> <td>The user wants to get a therapeutic link</td> </tr> </table>	ID	UC-291-EF02	Name	Get Therapeutic Link - HC Organization -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	<p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Organization acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). Sender is not allowed to perform the consultation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)</p>	Actor(s)	HC professional through his organization	Requirements	<ul style="list-style-type: none"> End-user is a HC professional through his organization Sender is not allowed to perform the consultation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?) HC professional consults the therapeutic links through his organization Valid certificate of the organization e-ID card of concerned patient Identification authorized organization <ul style="list-style-type: none"> °Identification authorized organization: CBE or EHP number °Identifier HC professional: SSIN, NIHII (if available), HC professional category Identification concerned patient: SSIN, support card number (optional) Therapeutic link type Time period Status of consulted therapeutic link 	Trigger	The user wants to get a therapeutic link
ID	UC-291-EF02												
Name	Get Therapeutic Link - HC Organization -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	<p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Organization acts as author of the Get Therapeutic Link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). Sender is not allowed to perform the consultation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)</p>												
Actor(s)	HC professional through his organization												
Requirements	<ul style="list-style-type: none"> End-user is a HC professional through his organization Sender is not allowed to perform the consultation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?) HC professional consults the therapeutic links through his organization Valid certificate of the organization e-ID card of concerned patient Identification authorized organization <ul style="list-style-type: none"> °Identification authorized organization: CBE or EHP number °Identifier HC professional: SSIN, NIHII (if available), HC professional category Identification concerned patient: SSIN, support card number (optional) Therapeutic link type Time period Status of consulted therapeutic link 												
Trigger	The user wants to get a therapeutic link												

Pr ec on di on (s)	<ul style="list-style-type: none"> • The user has an account for the application • The user is logged out
Fl ow	<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 it's <i>personal eHealth Certificate</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 to <i>Get a Therapeutic Link</i> 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
Pos t Co ndi tio n (s)	Error message
Test Data	Example Get Therapeutic Link p48
End poi nt (s)	Therapeutic Links