

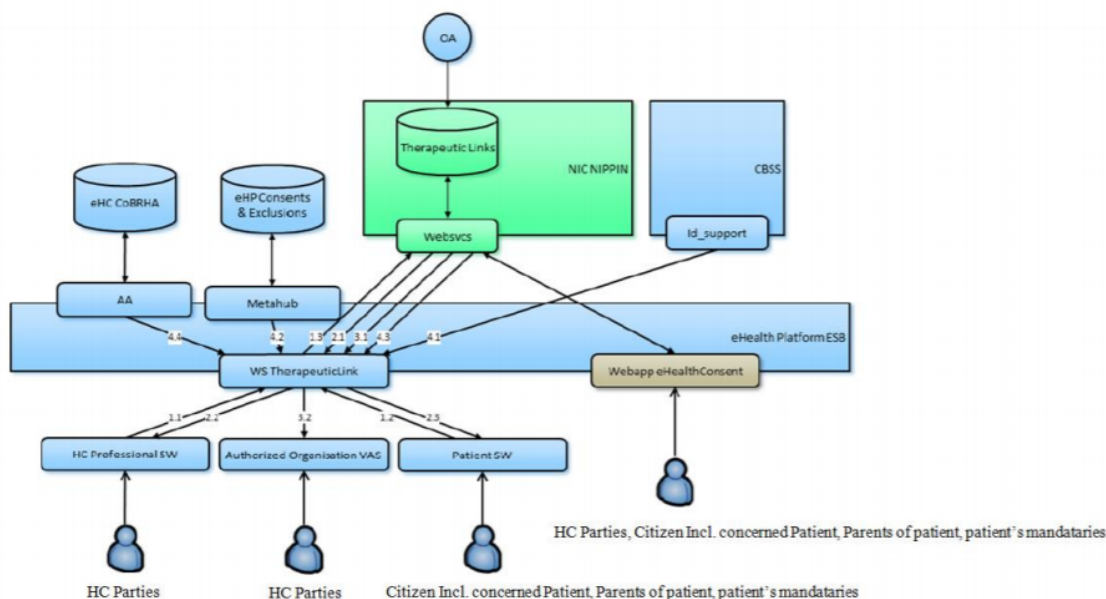
UC-293-Get TherLink-HC party not in request-Proof given-HC Org-ref-Low priority

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, mandatory)	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-293-BF</td></tr> <tr> <td>Name</td><td>Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral</td></tr> </table>	ID	UC-293-BF	Name	Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral
ID	UC-293-BF				
Name	Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral				

Descri ption	<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 for a referral 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
Requir ements	<ul style="list-style-type: none"> • End-user is professional through his organization • End-user manages the therapeutic links throughout his usual software • Valid eHealth Certificate of the organization • e-ID card of concerned patient • Identification end -user <p>°Identification authorized organization: CBE or EHP number, HC party category</p> <p>°Identifier HC professional: SSIN, NIHII 11 digits (if available), HC professional category</p> <ul style="list-style-type: none"> • Number of therapeutic links to consult • Identification concerned patient: SSIN, support card number (optional) • Type of therapeutic link: referral • Type of proof: e-ID card reading with pincode • Time period • Status of consulted therapeutic link • HC professional that performs the operations (end-user) is different from the healthcare professional concerned by the therapeutic link
Trigger	The user wants to get a therapeutic link
Precon dition (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, the therapeutic links of the concerned patient and other concerned HC parties are returned 9. The request is logged 10. The WS Therapeutic link responds with a Therapeutic Link Response
Post Condi on(s)	<ul style="list-style-type: none"> • Request is logged • The therapeutic links of the concerned patient and the concerned author, the therapeutic links of the concerned patient and other concerned HC parties 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	<ul style="list-style-type: none"> 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														
 Unknown macro: 'drawio'	<table> <tr> <td>Id</td><td>UC-293-AF</td></tr> <tr> <td>Name</td><td>Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - No time period - No status</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 for a referral therapeutic link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). No time period - No status</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 professional through his organization End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the organization e-ID card of concerned patient Identification end -user <p>°Identification authorized organization: CBE or EHP number, HC party category</p> <p>°Identifier HC professional: SSIN, NIHII 11 digits (if available), HC professional category</p> <ul style="list-style-type: none"> Number of therapeutic links to consult Identification concerned patient: SSIN, support card number (optional) Type of therapeutic link: referral Type of proof: e-ID card reading with pincode HC professional that performs the operations (end-user) is different from the healthcare professional concerned by the therapeutic link </td></tr> <tr> <td>Trigger</td><td>The user wants to get 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> </table>	Id	UC-293-AF	Name	Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - 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 for a referral therapeutic link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). No time period - No status</p>	Actor(s)	HC professional through his organization	Requirements	<ul style="list-style-type: none"> End-user is professional through his organization End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the organization e-ID card of concerned patient Identification end -user <p>°Identification authorized organization: CBE or EHP number, HC party category</p> <p>°Identifier HC professional: SSIN, NIHII 11 digits (if available), HC professional category</p> <ul style="list-style-type: none"> Number of therapeutic links to consult Identification concerned patient: SSIN, support card number (optional) Type of therapeutic link: referral Type of proof: e-ID card reading with pincode HC professional that performs the operations (end-user) is different from the healthcare professional concerned by the 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
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Name	Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - No time period - No status														
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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, the therapeutic links of the concerned patient and other concerned HC parties 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"> • Request is logged • The therapeutic links of the concerned patient and the concerned author, the therapeutic links of the concerned patient and other concerned HC parties 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

Exception Flow 1

Flow	Specifications								
 Unknown macro: 'drawio'	<table> <tr> <td>ID</td><td>UC-293-EF01</td></tr> <tr> <td>Name</td><td>Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - HC party performing the consultation is excluded by the concerned patient</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 for a referral therapeutic link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). HC party performing the consultation is excluded by the concerned patient</p> </td></tr> <tr> <td>Actor(s)</td><td>HC professional through his organization</td></tr> </table>	ID	UC-293-EF01	Name	Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - HC party performing the consultation is excluded by the concerned patient	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 for a referral therapeutic link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). HC party performing the consultation is excluded by the concerned patient</p>	Actor(s)	HC professional through his organization
ID	UC-293-EF01								
Name	Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - HC party performing the consultation is excluded by the concerned patient								
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 for a referral therapeutic link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). HC party performing the consultation is excluded by the concerned patient</p>								
Actor(s)	HC professional through his organization								

Re qui re me nts	<ul style="list-style-type: none"> End-user is professional through his organization HC party performing the consultation is excluded by the concerned patient End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the organization e-ID card of concerned patient Identification end -user <p>°Identification authorized organization: CBE or EHP number, HC party category</p> <p>°Identifier HC professional: SSIN, NIHI 11 digits (if available), HC professional category</p> <ul style="list-style-type: none"> Number of therapeutic links to consult Identification concerned patient: SSIN, support card number (optional) Type of therapeutic link: referral Type of proof: e-ID card reading with pincode Time period Status of consulted therapeutic link HC professional that performs the operations (end-user) is different from the healthcare professional concerned by the therapeutic link
Tri gg er	The user wants to get a therapeutic link
Pre con diti on (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 <i>personal eHealth Certificate</i> 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 to <i>Get a Therapeutic Link</i> The Get Therapeutic Link Request is sent to the WS Therapeutic Link The WS Therapeutic link responds with a Therapeutic Link Response: error message
Post Co nditi on (s)	Error message
Test Data	Example Get Therapeutic Link p48
End poi nt (s)	Therapeutic Links


Exception Flow 2

Flow	Specifications
 Unknown macro: 'drawio'	

ID	UC-293-EF02
Name	Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - The therapeutic link does not exist between the HC party performing the consultation and the concerned patient
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 for a referral therapeutic link. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the organization (HC Professional). The therapeutic link does not exist between the HC party performing the consultation and the concerned patient</p>
Actor(s)	HC professional through his organization
Requirements	<ul style="list-style-type: none"> • End-user is professional through his organization • The therapeutic link does not exist between the HC party performing the consultation and the concerned patient • End-user manages the therapeutic links throughout his usual software • Valid eHealth Certificate of the organization • e-ID card of concerned patient • Identification end -user <p>°Identification authorized organization: CBE or EHP number, HC party category</p> <p>°Identifier HC professional: SSIN, NIHII 11 digits (if available), HC professional category</p> <ul style="list-style-type: none"> • Number of therapeutic links to consult • Identification concerned patient: SSIN, support card number (optional) • Type of therapeutic link: referral • Type of proof: e-ID card reading with pincode • Time period • Status of consulted therapeutic link • HC professional that performs the operations (end-user) is different from the healthcare professional concerned by the 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 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
PostCondition(s)	Error message

Test Data	Example Get Therapeutic Link p48
End point (s)	Therapeutic Links

Exception Flow 3

Flow	Specifications												
 Unknown macro: 'drawio'	<table> <tr> <td>ID</td><td>UC-293-EF03</td></tr> <tr> <td>Name</td><td>Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - 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 for a referral 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 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,...?) End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the organization e-ID card of concerned patient Identification end -user <p>°Identification authorized organization: CBE or EHP number, HC party category</p> <p>°Identifier HC professional: SSIN, NIHII 11 digits (if available), HC professional category</p> <ul style="list-style-type: none"> Number of therapeutic links to consult Identification concerned patient: SSIN, support card number (optional) Type of therapeutic link: referral Type of proof: e-ID card reading with pincode Time period Status of consulted therapeutic link HC professional that performs the operations (end-user) is different from the healthcare professional concerned by the therapeutic link </td></tr> <tr> <td>Trigger</td><td>The user wants to get a therapeutic link</td></tr> </table>	ID	UC-293-EF03	Name	Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - 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 for a referral 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 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,...?) End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the organization e-ID card of concerned patient Identification end -user <p>°Identification authorized organization: CBE or EHP number, HC party category</p> <p>°Identifier HC professional: SSIN, NIHII 11 digits (if available), HC professional category</p> <ul style="list-style-type: none"> Number of therapeutic links to consult Identification concerned patient: SSIN, support card number (optional) Type of therapeutic link: referral Type of proof: e-ID card reading with pincode Time period Status of consulted therapeutic link HC professional that performs the operations (end-user) is different from the healthcare professional concerned by the therapeutic link 	Trigger	The user wants to get a therapeutic link
ID	UC-293-EF03												
Name	Get Therapeutic Link - HC Organization -HC party not in request - e- ID reading with PINcode- Referral - Sender is not allowed to perform the consultation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)												
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Trigger	The user wants to get a therapeutic link												

Pr ec on dit io n (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
P os t C on dit io n (s)	Error message
T es t D ata	Example Get Therapeutic Link p48
E nd po int (s)	Therapeutic Links