

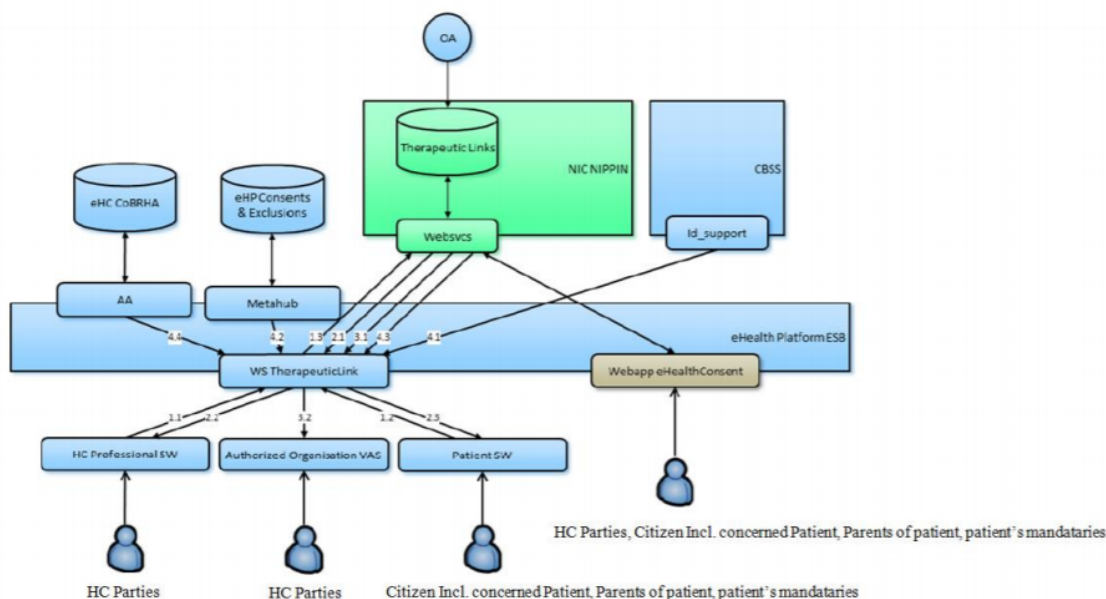
UC-274-Get TherLink-HC party not in request-Proof ISI+ reading-HC prof

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 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-274-BF</td></tr> <tr> <td>Name</td><td>Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading</td></tr> </table>	ID	UC-274-BF	Name	Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading
ID	UC-274-BF				
Name	Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading				

Descriptive	<p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Professional acts as author of the Get Therapeutic Link. The given proof is the ISI+ reading of the patient. Certificate used to access the WS Therapeutic Link is the 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</p>
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 style="list-style-type: none"> End-user is different from the concerned 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 ISI+ card of concerned patient Identification HC professional: SSIN, NIHI, HC professional category Identification concerned patient: SSIN, support card number (optional) *Type of therapeutic link: <ul style="list-style-type: none"> °physician: gpconsultation or specialistconsultation or patientmanagement °nurse: nurseconsultation or patientmanagement °other professionals: consultation or patientmanagement Type of proof: ISI+reading Time period Status of consulted therapeutic link
Trigger	The user wants to get a therapeutic link
Preconditions	<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 therapeutic links of the concerned patient and the concerned author, the therapeutic links of the concerned patient and other concerned HC parties are returned The request is logged The WS Therapeutic link responds with a Therapeutic Link Response

P o s t C o n d i t i o n (s)	<ul style="list-style-type: none"> • The 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
T e s t D a t a	Example Get Therapeutic Link p48
E n d p o i n t s	Therapeutic Links
R e m a r k s*	<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 NIHI, 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 d i t i o n a l I n f o r m a t i o n	<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
R e m a r k s e n d - u s e r s	Should be available soon for clinical orthopedic pedagogue , clinical psychologist & dental hygienist

Alternative Flow

Flow	Specifications														
 Unknown macro: 'drawio'	<table> <tr> <td>ID</td><td>UC-274-AF01</td></tr> <tr> <td>Name</td><td>Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading - 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 Professional acts as author of the Get Therapeutic Link. The given proof is the ISI+ reading of the patient. Certificate used to access the WS Therapeutic Link is the 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</p> </td></tr> <tr> <td>Actor(s)</td><td>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)</td></tr> <tr> <td>Requirements</td><td> <ul style="list-style-type: none"> End-user is different from the concerned 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 ISI+ card of concerned patient Identification HC professional: SSIN, NIHI, HC professional category Identification concerned patient: SSIN, support card number (optional) *Type of therapeutic link: <ul style="list-style-type: none"> °physician: gpconsultation or specialistconsultation or patientmanagement °nurse: nurseconsultation or patientmanagement °other professionals: consultation or patientmanagement Type of proof: ISI+reading </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-274-AF01	Name	Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading - 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 Professional acts as author of the Get Therapeutic Link. The given proof is the ISI+ reading of the patient. Certificate used to access the WS Therapeutic Link is the 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</p>	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 style="list-style-type: none"> End-user is different from the concerned 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 ISI+ card of concerned patient Identification HC professional: SSIN, NIHI, HC professional category Identification concerned patient: SSIN, support card number (optional) *Type of therapeutic link: <ul style="list-style-type: none"> °physician: gpconsultation or specialistconsultation or patientmanagement °nurse: nurseconsultation or patientmanagement °other professionals: consultation or patientmanagement Type of proof: ISI+reading 	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
ID	UC-274-AF01														
Name	Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading - No time period - No status														
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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 style="list-style-type: none"> End-user is different from the concerned 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 ISI+ card of concerned patient Identification HC professional: SSIN, NIHI, HC professional category Identification concerned patient: SSIN, support card number (optional) *Type of therapeutic link: <ul style="list-style-type: none"> °physician: gpconsultation or specialistconsultation or patientmanagement °nurse: nurseconsultation or patientmanagement °other professionals: consultation or patientmanagement Type of proof: ISI+reading 														
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, 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
Postcondition(s)	<ul style="list-style-type: none"> • The 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
Endpoint(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
Remarks - users	Should be available soon for clinical orthopedic pedagogue, clinical psychologist & dental hygienist

Exception Flow 1

Flow	Specifications
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Unknown macro: 'drawio'

ID	UC-274-EF01
Na me	Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading - The HC party performing the consultation does not have the same professional category as the HC professional concerned by the therapeutic link
Des cri p ti on	<p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Professional acts as author of the Get Therapeutic Link. The given proof is the ISI+ reading of the patient. Certificate used to access the WS Therapeutic Link is the 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</p>
Act or (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)
Re q ui r e m e n ts	<ul style="list-style-type: none"> • End-user is different from the concerned 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 • ISI+ card of concerned patient • Identification HC professional: SSIN, NIHI, HC professional category • Identification concerned patient: SSIN, support card number (optional) • *Type of therapeutic link: <p>°physician: gpconsultation or specialistconsultation or patientmanagement</p> <p>°nurse: nurseconsultation or patientmanagement</p> <p>°other professionals: consultation or patientmanagement</p> <ul style="list-style-type: none"> • Type of proof: ISI+reading • Time period • Status of consulted therapeutic link
Tr ig g er	The user wants to get a therapeutic link
Pr e c o n di ti o n (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
	Endpoint(s)	Therapeutic Links
	Remarks - users	Should be available soon for clinical orthopedic pedagogue, clinical psychologist & dental hygienist

Exception Flow 2

Flow	Specifications				
 Unknown macro: 'drawio'	<table> <tr> <td>ID</td><td>UC-274-EF02</td></tr> <tr> <td>Name</td><td>Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading - 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> </table>	ID	UC-274-EF02	Name	Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading - Sender is not allowed to perform the consultation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)
ID	UC-274-EF02				
Name	Get Therapeutic Link - HC Professional - HC party not in request - ISI+ reading - Sender is not allowed to perform the consultation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)				

De-scrip-tion	<p>Get Therapeutic Link allows users to check the existence of therapeutic links between a HC party and a patient.</p> <p>HC Professional acts as author of the Get Therapeutic Link. The given proof is the ISI+ reading of the patient. Certificate used to access the WS Therapeutic Link is the 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,...?)</p>
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 style="list-style-type: none"> End-user is different from the concerned 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 ISI+ card of concerned patient Identification HC professional: SSIN, NIHII, HC professional category Identification concerned patient: SSIN, support card number (optional) *Type of therapeutic link: <ul style="list-style-type: none"> °physician: gpconsultation or specialistconsultation or patientmanagement °nurse: nurseconsultation or patientmanagement °other professionals: consultation or patientmanagement Type of proof: ISI+reading Time period Status of consulted therapeutic link
Trigger	The user wants to get a therapeutic link
Pre-conditions	<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

P o s t C o n d i t i o n (s)	Error message
T e s t D a t a	Example Get Therapeutic Link p48
E n d p o i n t (s)	Therapeutic Links
R e m a r k s e n d - u s e r s	Should be available soon for clinical orthopedic pedagogue, clinical psychologist & dental hygienist