

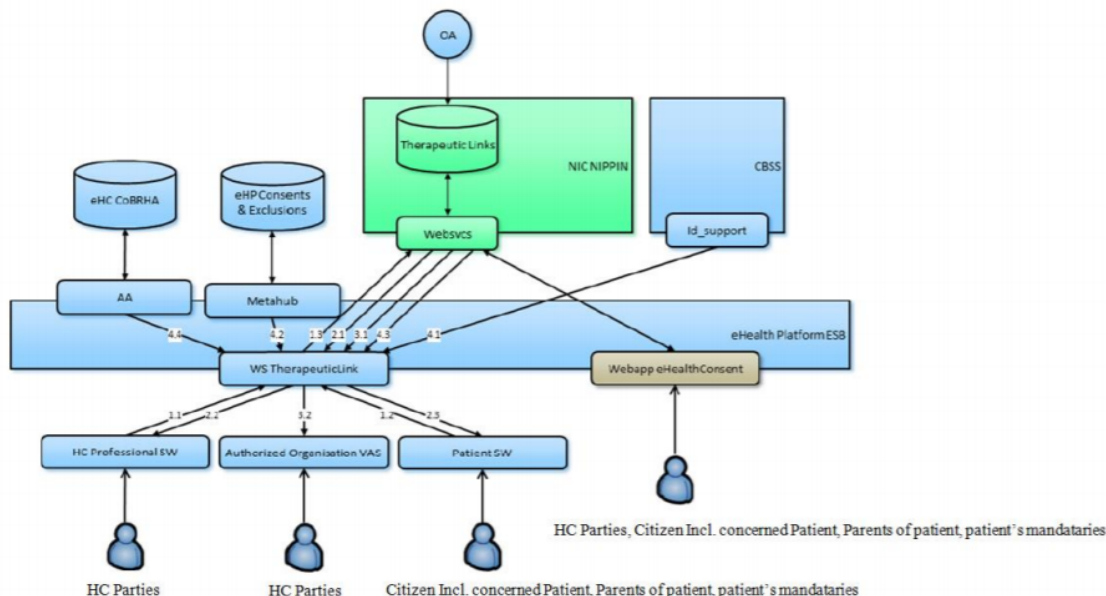
UC-248-Revoke TherLink-HC Prof-ISI+ reading

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'	<table> <tr> <td>ID</td><td>UC-248-BF</td></tr> <tr> <td>Name</td><td>Revoke Therapeutic Link - HC Professional - ISI+ reading</td></tr> </table>	ID	UC-248-BF	Name	Revoke Therapeutic Link - HC Professional - ISI+ reading
ID	UC-248-BF				
Name	Revoke Therapeutic Link - HC Professional - ISI+ reading				

D e s c r i p t i o n	<p>Revoke Therapeutic Link is a service used to revoke a therapeutic link between a patient and a HC party.</p> <p>HC Professional acts as author of the Therapeutic Link. The proof used is ISI+ reading. 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>
A c t o r (s)	<ul style="list-style-type: none"> • 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)
R e q u i r e m e n t s	<ul style="list-style-type: none"> • 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 • Valid personal eHealth Certificate • HC professional: SSIN, NIHI, HC professional category • Identification concerned patient: SSIN, support card number (optional), first and last name (optional) • Identification concerned HC party: SSIN, NIHI (if available), HC party category, first and family name (optional) • Type of therapeutic link: non-referral • Type of proof: ISI+ reading
T r i g g e r	The user wants to revoke a therapeutic link
P r e c o n d i t i o n (s)	<ul style="list-style-type: none"> • The user has an account for the application • The user is logged out
F l o w	<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 for Revoke Therapeutic Link 7. The Revoke Therapeutic Link Request is sent to the WS Therapeutic Link 8. The given therapeutic link, if found, is revoked in the eHealth Database & All overlapped period of validity of the same relation are revoked 9. The request is logged 10. The WS Consent responds with a Revoke Therapeutic Link Response

P o s t C o n d i t i o n (s)	<ul style="list-style-type: none"> The given therapeutic link, if found, is revoked in the eHealth Database All overlapped period of validity of the same relation are revoked
T e s t D a t a	<ul style="list-style-type: none"> Example Revoke Therapeutic Link Request Example Revoke Therapeutic Link Response Example Revoke Therapeutic Link Response - Unsuccessful
E n d p o i n t (s)	Therapeutic Links Database
A d d i t i o n a l I n f o r m a t i o n	If the support card number is provided, then they must be valid and compliant
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-248-AF01</td></tr> </table>	ID	UC-248-AF01
ID	UC-248-AF01		

N a m e	Revoke Therapeutic Link - HC Professional - ISI+ reading - Start Date& End date
D e s c r i p t i o n	<p>Revoke Therapeutic Link is a service used to revoke a therapeutic link between a patient and a HC party.</p> <p>HC Professional acts as author of the Therapeutic Link. The proof used is ISI+ reading. 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>
A c t o r (s)	<ul style="list-style-type: none"> • 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)
R e q u i r e m e n t s	<ul style="list-style-type: none"> • 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 • Valid personal eHealth Certificate • HC professional: SSIN, NIHI, HC professional category • Identification concerned patient: SSIN, support card number (optional), first and last name (optional) • Identification concerned HC party: SSIN, NIHI (if available), HC party category, first and family name (optional) • Type of therapeutic link: non-referral • Type of proof: ISI+ reading • Start Date • End date
T r i g g e r	The user wants to revoke a therapeutic link
P r e c o n d i t i o n (s)	<ul style="list-style-type: none"> • The user has an account for the application • The user is logged out
F l o w	<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 for Revoke Therapeutic Link 7. The Revoke Therapeutic Link Request is sent to the WS Therapeutic Link 8. The given therapeutic link, if found, is revoked in the eHealth Database & All overlapped period of validity of the same relation are revoked 9. The request is logged 10. The WS Consent responds with a Revoke Therapeutic Link Response

P o s t C o n d i t i o n (s)	<ul style="list-style-type: none"> The given therapeutic link, if found, is revoked in the eHealth Database All overlapped period of validity of the same relation are revoked
T e s t D a t a	<ul style="list-style-type: none"> Example Revoke Therapeutic Link Request Example Revoke Therapeutic Link Response Example Revoke Therapeutic Link Response - Unsuccessful
E n d p o i n t (s)	Therapeutic Links Database
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 support card number is provided, then they must be valid and compliant Start date: if provided then the start date must be equal to the start date of the active relation else the request is rejected (not found) End date: must be interpreted as "revocation date" and not the end date of the relation The comment to justify the revocation: if provided must be less than or equal to 256 characters
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


Exception Flow 1

Flow	Specifications		
 Unknown macro: 'drawio'	<table> <tr> <td>ID</td><td>UC-248-EF01</td></tr> </table>	ID	UC-248-EF01
ID	UC-248-EF01		

N a m e	Revoke Therapeutic Link - HC Professional - ISI+ reading - HC party performing the revocation does not have the same professional category as the HC party concerned by the therapeutic link
D e s c r i p t i o n	<p>Revoke Therapeutic Link is a service used to revoke a therapeutic link between a patient and a HC party.</p> <p>HC Professional acts as author of the Therapeutic Link. The proof used is ISI+ reading. 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. HC party performing the revocation does not have the same professional category as the HC party concerned by the therapeutic link</p>
A c t o r (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)
R e q u i r e m e n t s	<ul style="list-style-type: none"> • 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 • Valid personal eHealth Certificate • HC professional: SSIN, NIHI, HC professional category • Identification concerned patient: SSIN, support card number (optional), first and last name (optional) • Identification concerned HC party: SSIN, NIHI (if available), HC party category, first and family name (optional) • Type of therapeutic link: non-referral • Type of proof: ISI+ reading • HC party performing the revocation does not have the same professional category as the HC party concerned by the therapeutic link
T r i g g e r	The user wants to revoke a therapeutic link
P r e c o n d i t i o n (s)	<ul style="list-style-type: none"> • The user has an account for the application • The user is logged out
F l o w	<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 for Revoke Therapeutic Link 7. The Revoke Therapeutic Link Request is sent to the WS Therapeutic Link 8. The WS Consent responds with a Revoke 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	<ul style="list-style-type: none"> • Example Revoke Therapeutic Link Request • Example Revoke Therapeutic Link Response • Example Revoke Therapeutic Link Response - Unsuccessful
E n d p o i n t (s)	Therapeutic Links Database
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


Exception Flow 2

Flow	Specifications						
 Unknown macro: 'drawio'	<table> <tr> <td>ID</td><td>UC-248-EF02</td></tr> <tr> <td>N a m e</td><td>Revoke Therapeutic Link - HC Professional - ISI+ reading -No active therapeutic link of this type for the given HC party</td></tr> <tr> <td>D e s c r i p t i o n</td><td> <p>Revoke Therapeutic Link is a service used to revoke a therapeutic link between a patient and a HC party.</p> <p>HC Professional acts as author of the Therapeutic Link. The proof used is ISI+ reading. 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. No active therapeutic link of this type for the given HC party</p> </td></tr> </table>	ID	UC-248-EF02	N a m e	Revoke Therapeutic Link - HC Professional - ISI+ reading -No active therapeutic link of this type for the given HC party	D e s c r i p t i o n	<p>Revoke Therapeutic Link is a service used to revoke a therapeutic link between a patient and a HC party.</p> <p>HC Professional acts as author of the Therapeutic Link. The proof used is ISI+ reading. 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. No active therapeutic link of this type for the given HC party</p>
ID	UC-248-EF02						
N a m e	Revoke Therapeutic Link - HC Professional - ISI+ reading -No active therapeutic link of this type for the given HC party						
D e s c r i p t i o n	<p>Revoke Therapeutic Link is a service used to revoke a therapeutic link between a patient and a HC party.</p> <p>HC Professional acts as author of the Therapeutic Link. The proof used is ISI+ reading. 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. No active therapeutic link of this type for the given HC party</p>						

A c t o r (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)
R e q u i r e m e n t s	<ul style="list-style-type: none"> 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 Valid personal eHealth Certificate HC professional: SSIN, NIHI, HC professional category Identification concerned patient: SSIN, support card number (optional), first and last name (optional) Identification concerned HC party: SSIN, NIHI (if available), HC party category, first and family name (optional) Type of therapeutic link: non-referral Type of proof: ISI+ reading No active therapeutic link of this type for the given HC party
T r i g g e r	The user wants to revoke a therapeutic link
P r e c o n d i t i o n (s)	<ul style="list-style-type: none"> The user has an account for the application The user is logged out
F l o w	<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 its <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 for Revoke Therapeutic Link The Revoke Therapeutic Link Request is sent to the WS Therapeutic Link The WS Consent responds with a Revoke 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	<ul style="list-style-type: none"> Example Revoke Therapeutic Link Request Example Revoke Therapeutic Link Response Example Revoke Therapeutic Link Response - Unsuccessful

E n d p o i n t (s)	Therapeutic Links Database
	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

Exception Flow 3

Flow	Specifications
 Unknown macro: 'drawio'	ID UC-248-EF03
	N a m e Revoke Therapeutic Link - HC Professional - ISI+ reading -Sender is not allowed to perform the revocation
	D e s c r i p t i o n Revoke Therapeutic Link is a service used to revoke a therapeutic link between a patient and a HC party. HC Professional acts as author of the Therapeutic Link. The proof used is ISI+ reading. 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 sender is not allowed to perform the revocation according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,...?)
	A c t o r (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)

R e q u i r e m e n ts	<ul style="list-style-type: none"> 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 Valid personal eHealth Certificate HC professional: SSIN, NIHI, HC professional category Identification concerned patient: SSIN, support card number (optional), first and last name (optional) Identification concerned HC party: SSIN, NIHI (if available), HC party category, first and family name (optional) Type of therapeutic link: non-referral Type of proof: ISI+ reading The sender is not allowed to perform the revocation according to the predefined rules e.g. validation on the author (NIHI valid, SSIN valid,...?)
T r i g g e r	The user wants to revoke a therapeutic link
P r e c o n d i t i o n s	<ul style="list-style-type: none"> The user has an account for the application The user is logged out
F l o w	<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 for Revoke Therapeutic Link The Revoke Therapeutic Link Request is sent to the WS Therapeutic Link The WS Consent responds with a Revoke 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	<ul style="list-style-type: none"> Example Revoke Therapeutic Link Request Example Revoke Therapeutic Link Response Example Revoke Therapeutic Link Response - Unsuccessful
E n d p o i n t (s)	Therapeutic Links Database

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
T h e r a p e u t i c l i n k t y p e*	<i>Therapeutic link type gpconsultation if the end-user is a general practitioner. Other therapeutic link types possible. Therapeutic link type depends on the end-user.</i>