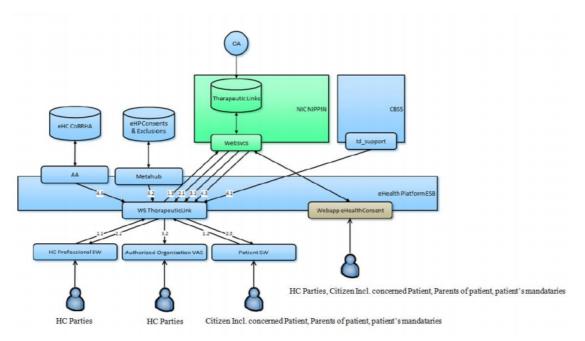
UC-232-Put TherLink-HC Prof pharmacy- elD reading Used Documentation

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

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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'			
Z chalemi maciel arame	ID	UC-232-BF	
	Name	Put Therapeutic Link - HC Professional within a pharmacy - eID reading	
	Descr iption	Put Therapeutic Link, service used to declare a therapeutic link between a patient and a HC party.	
		HC professional within a pharmacy acts as author of the Put Therapeutic Link. The given proof is the e-ID reading of the patient. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the end-user (HC Organization).	

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Actor (s)	HC Professional in a pharmacy who is the pharmacy holder
Requi reme nts	 End-user is a HC professional in a pharmacy who is the pharmacy holder End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the pharmacy e-ID card of concerned patient Identification HC professional
	°Identifier of the pharmacy: NIHII, HC category
	°Identifier pharmacy holder: SSIN, NIHII (if available), HC party category
	Information therapeutic link
	°Identification concerned patient: SSIN, e-ID card, Patient first and family name
	°Identification concerned HC party: NIHII (8digits), HC party category, organization name (optional)
	 Type of therapeutic link: pharmacydelivery Period of validity: 15 months Inclusive start date (optional)
	Exclusive end date (optional)Comment to justify the declaration (optional)
	Type of proof: e-ID reading
Trigg er	The user wants to put a therapeutic link
Preco nditio n(s)	 The user has an account for the application The user is logged out
Flow	 The user attempts to access the eHealth WS Therapeutic Link The user needs to request a SAML Token by using it's personal eHealth Certificate A request for a SAML Token is sent to the Secure Token Service (STS) The STS responds with a SAML Token The user has access to the eHealth WS Therapeutic Link The user does a request for Put Therapeutic Link The Put Therapeutic Link Request is sent to the WS Therapeutic Link The Therapeutic link is created in eHealth Database The request is logged The WS Consent responds with a Therapeutic Link Response
Post condi tion (s)	 Request is logged The Therapeutic Link is created in eHealth Database
Test Data	 Example Pharmacy Example Put Therapeutic Link Request Example Put Therapeutic Link Response Example Put Therapeutic Link Response - Unsuccessful
End points	Therapeutic Link Database
Rem arks	 Start date must be equal to the declaration date i.e. the date when the declaration request is processed (the current date) else the request is rejected End date must be equal to start date plus the default period of validity else the end date is discarded and enriched with the ED=SD + the default period of validity (ED=SD+15 months)

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Additi onal Infor mation For the overlapped relations, the start date of the new period must be greater or equal to the start date of the period to extended and the end-date of the new period must be greater than the end-date of the period to be extended

Alternative Flow

Flow	Specifi	cations
Unknown macro: 'drawio'		
a critical articles	ID	UC-232-AF01
	Name	Put Therapeutic Link - HC Professional within a pharmacy (pharmacist isn't pharmacy holder) - eID reading
	Des cripti on	Put Therapeutic Link, service used to declare a therapeutic link between a patient and a HC party. HC professional within a pharmacy, who isn't the pharmacy holder, acts as author of the Put Therapeutic Link. The given proof is the e-ID reading of the patient. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the end-user (HC Organization).
	Acto r(s)	HC Professional in a pharmacy who isn't the pharmacy holder
	Req uire men ts	 End-user is a HC professional in a pharmacy who isn't the pharmacy holder End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the pharmacy e-ID card of concerned patient
		Identification HC professional
		°Identifier of the pharmacy: NIHII, HC category
		°Identifier pharmacy holder: SSIN, NIHII (if available), HC party category
		°Identifier end-user: SSIN, NIHII (if available), HC party category
		Information therapeutic link
		°Identification concerned patient: SSIN, e-ID card, Patient first and family name
		°Identification concerned HC party: NIHII (8digits), HC party category, organization name (optional)
		 Type of therapeutic link: pharmacydelivery Period of validity: 15 months Inclusive start date (optional) Exclusive end date (optional) Comment to justify the declaration (optional) Type of proof: e-ID reading
	Trig ger	The user wants to put a therapeutic link
	Prec ondi tion (s)	 The user has an account for the application The user is logged out

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Flow	 The user attempts to access the eHealth WS Therapeutic Link The user needs to request a SAML Token by using it's personal eHealth Certificate A request for a SAML Token is sent to the Secure Token Service (STS) The STS responds with a SAML Token The user has access to the eHealth WS Therapeutic Link The user does a request for Put Therapeutic Link The Put Therapeutic Link Request is sent to the WS Therapeutic Link The Therapeutic link is created in eHealth Database The request is logged The WS Consent responds with a Therapeutic Link Response
Post Con ditio n(s)	 Request is logged The Therapeutic Link is created in eHealth Database
Test Data	 Example Pharmacy Example Put Therapeutic Link Request Example Put Therapeutic Link Response Example Put Therapeutic Link Response - Unsuccessful
End poin t(s)	Therapeutic Link Database
Rem arks	 Start date must be equal to the declaration date i.e. the date when the declaration request is processed (the current date) else the request is rejected End date must be equal to start date plus the default period of validity else the end date is discarded and enriched with the ED=SD + the default period of validity (ED=SD+15 months)
Addi tion al Infor matio	For the overlapped relations, the start date of the new period must be greater or equal to the start date of the period to extended and the end-date of the new period must be greater than the end-date of the period to be extended

Exception Flow 1

Flow	Specifications		
Unknown macro: 'drawio'	ID UC-232-EF01 N Put Therapeutic Link - HC Professional within a pharmacy - eID reading - HC party performing the declaration does not belong to the same HC party category as the HC party concerned by the therapeutic link D Put Therapeutic Link, service used to declare a therapeutic link between a patient and a HC party. HC professional within a pharmacy acts as author of the Put Therapeutic Link. The given proof is the e-ID reading of the patient. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the end-user (HC Organization). HC party performing the declaration does not belong to the same HC party category as the HC party concerned by the therapeutic link A HC Professional in a pharmacy		

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R e q ui re m	 End-user is a HC professional in a pharmacy who is the pharmacy holder End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the pharmacy e-ID card of concerned patient Identification HC professional
e nts	°Identifier of the pharmacy: NIHII, HC category
	°Identifier pharmacy holder: SSIN, NIHII (if available), HC party category
	Information therapeutic link
	°Identification concerned patient: SSIN, e-ID card, Patient first and family name
	°Identification concerned HC party: NIHII (8digits), HC party category, organization name (optional)
	 Type of therapeutic link: pharmacydelivery Period of validity: 15 months Inclusive start date (optional) Exclusive end date (optional) Comment to justify the declaration (optional) Type of proof: e-ID reading HC party performing the declaration does not belong to the same HC party category as the HC party concerned by the therapeutic link
Tr ig g er	The user wants to put a therapeutic link
P re c o n di ti o n (s)	 The user has an account for the application The user is logged out
FI ow	 The user attempts to access the eHealth WS Therapeutic Link The user needs to request a SAML Token by using it's personal eHealth Certificate A request for a SAML Token is sent to the Secure Token Service (STS) The STS responds with a SAML Token The user has access to the eHealth WS Therapeutic Link The user does a request for Put Therapeutic Link The Put Therapeutic Link Request is sent to the WS Therapeutic Link The WS Consent responds with a Therapeutic Link Response: error message
P o st C o n di ti o n (s)	Error message
T e st D ata	 Example Put Therapeutic Link Request Example Put Therapeutic Link Response Example Put Therapeutic Link Response - Unsuccessful

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(s)	

Exception Flow 2

Flow	Specifications
Unknown macro: 'drawio'	
a chikhowi macro, arawo	ID UC-232-EF02
	Na Put Therapeutic Link - HC Professional within a pharmacy - eID reading - A valid therapeutic link of the same type and for the same HC party already exists
	De sc rip tion HC professional within a pharmacy acts as author of the Put Therapeutic Link. The given proof is the e-ID reading of the patient. Certificate used to access the WS Therapeutic Link is the eHealth Certificate of the end-user (HC Organization). A valid therapeutic link of the same type and for the same HC party already exists
	Ac tor (s)
	Re qu ire End-user is a HC professional in a pharmacy who is the pharmacy holder End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the pharmacy e-ID card of concerned patient Identification HC professional *Identifier of the pharmacy: NIHII, HC category Information therapeutic link *Identification concerned patient: SSIN, e-ID card, Patient first and family name Identification concerned HC party: NIHII (8digits), HC party category, organization name (optional) Type of therapeutic link: pharmacydelivery Period of validity: 15 months Inclusive start date (optional) Exclusive end date (optional) Comment to justify the declaration (optional) Type of proof: e-ID reading A valid therapeutic link of the same type and for the same HC party already exists
	Tri gg er The user wants to put a therapeutic link
	Pr ec on diti on (s) • The user has an account for the application • The user is logged out

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FI ow	The user attempts to access the eHealth WS Therapeutic Link The user needs to request a SAML Token by using it's personal eHealth
	Certificate 3. 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
	6. The user does a request for Put Therapeutic Link
	7. The Put Therapeutic Link Request is sent to the WS Therapeutic Link8. The WS Consent responds with a Therapeutic Link Response: error message
Po st Co	Error message
nd itio	
n (-)	
(s)	
Te st	Example Put Therapeutic Link Request
Da	Example Put Therapeutic Link Response
ta	Example Put Therapeutic Link Response - Unsuccessful
En	Therapeutic Link Database
d po	
int	
(s)	

Exception Flow 3

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R e q ui re m e nts	 End-user is a HC professional in a pharmacy who is the pharmacy holder End-user manages the therapeutic links throughout his usual software Valid eHealth Certificate of the pharmacy e-ID card of concerned patient Identification HC professional °Identifier of the pharmacy: NIHII, HC category °Identifier pharmacy holder: SSIN, NIHII (if available), HC party category Information therapeutic link °Identification concerned patient: SSIN, e-ID card, Patient first and family name °Identification concerned HC party: NIHII (8digits), HC party category, organization name (optional) Type of therapeutic link: pharmacydelivery Period of validity: 15 months Inclusive start date (optional) Exclusive end date (optional) Comment to justify the declaration (optional) Type of proof: e-ID reading The sender is not allowed to perform the declaration according to the predefined rules e.g. validation on the author (NIHII valid, SSIN valid,?)
T ri g g er	The user wants to put a therapeutic link
P re c o n di ti o n (s)	 The user has an account for the application The user is logged out
Flow	 The user attempts to access the eHealth WS Therapeutic Link The user needs to request a SAML Token by using it's personal eHealth Certificate A request for a SAML Token is sent to the Secure Token Service (STS) The STS responds with a SAML Token The user has access to the eHealth WS Therapeutic Link The user does a request for Put Therapeutic Link The Put Therapeutic Link Request is sent to the WS Therapeutic Link The WS Consent responds with a Therapeutic Link Response: error message
P o st C o n di ti o n (s)	Error message
T e st D ata	 Example Put Therapeutic Link Request Example Put Therapeutic Link Response Example Put Therapeutic Link Response - Unsuccessful

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E n d p oi nt (s)

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