

E-Identification and Authentication practices for eHealth in the EU Member States

Country	Electronic means for Identification on eHealth				Is your eHealth identification also an eID?	Level of application national/regional/local	Does it provide unambiguous identification of the person?	Is your MS liable for it?
	eHealth card	e-Card with eHealth functionality	Other e - Identification mean with eHealth functionality	None				
Austria		X			YES	National	YES	YES
Belgium		X			YES	National	YES	YES
Bulgaria			X		YES	National	YES	YES
Cyprus	2014 (p)			X	NO	National	YES	YES
Czech Republic	2014 (p)			X	NO	National	YES	YES
Denmark	X				NO	National	YES	YES
Estonia			X		YES	National	YES	YES
Finland		X	X		YES	National	YES	YES
France	X				YES	National	YES	YES
Germany	X				YES	National	YES	NO
Greece								
Hungary				X		National (TBD)	YES	YES
Ireland			2012-2013 (p) public service card	X	YES	National	YES	YES
Italy		X			YES	National	YES	YES
Latvia			X	X	YES	National	YES	YES
Lithuania			X	X	YES	National	YES	YES
Luxembourg		X	Card, USB, Mobile		NO	National	YES	NO (TBD)
Malta			X		YES	National	YES	YES
Norway		X (p)			YES	National	YES	NO /TBD
Poland	X (p)			X	NO	National	YES	YES
Portugal		X			YES	National	YES	YES
Romania								

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Slovakia		2013 (p)		X	YES	National	YES	YES
Slovenia	X				NO	National	YES	YES
Spain	X (p) Extremadura		X	X	YES	National/Regional	YES	
Sweden		X			YES	ALL	YES	NO
The Netherlands				X		National		
UK- England			X (P)	X	NO	National / Local	TBD	X(local)
UK- Scotland			X (P) Token/Cards/Pins	X Citizens account	NO (identity eco-system)	National	NO	NO
UK-Northern Ireland			X		NO	Local	NO	
UK-Wales			2015 (p)	X	NO			YES

Legend:

SSN -Social Security Number

ID – identity (number)

(p) – planned

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Country	Type of e-Identification mean (Generic e-card / Specific e-Health card)	What type of data/information is/are stored (can be retrieved) on the eHealth identification card/means?					Authentication of the Patient		Authentication of the Health Professional		eSignature
		Name, Admin, Health Data, other	Functionalities	Access to eHealth data	Access to ePrescriptions	Reimbursement status	Identifier	Register	eHealth Professional card	Register of health professionals	
Austria	Generic		Name, role	X	X		SSN	X	Professional card	X	
Belgium	Generic	X	Name	X	X	X	SSN	X		X	X
Bulgaria	Generic	X	Name, role	X	X		ID UCN	X	Unique identification number	X	X
Cyprus	2014 (p)	X	Name, role	X			TBD	TBD	TBD	TBD	
Czech Republic	2014 (p)	X	Name, role	X	X	X	TBD	TBD	TBD	2013 (p)	X
Denmark	Specific	X	Name				CPR-number Cross-sectorial		eSignature includes CPR number	X	X
Estonia	Generic	X	Name, other	X	X		eID number	X	eID number	X	X
Finland	Generic	X	Name	X	X		Unique Personal Number + PIN	X	Unique Personal Number + PIN	X	X
France	Specific	X	Name, role	X	X	X	INS Health Number	X	X	X	X
Germany	Specific	ALL	ALL	X	X		eGK	X	HBA	X	

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	Type of e-Identification mean (Generic e-card / Specific e-Health card)	Name, Admin, Health Data, other	Functionilities	Access to eHealth data	Access to ePrescriptions	Reimbursement status	Identifier	Register	eHealth Professional card	Register of health professionals	
Greece											
Hungary	Generic (TBD)		Name, role	X	X		TBD	TBD	TBD	TBD	
Ireland	Generic (p)	X	Name, role				public service card (tbd)	Register SAFE2 (tbd)	TBD	TBD	
Italy	Generic	ALL	X	X	X		TAX number	X	Some regions + Tax number	X	X
Latvia	Generic (p)	X	Name, role	X	X		X		X		
Lithuannia	Generic	X	Name, role	X	X	X	eID	X	Generic card	X	
Luxembourg	Generic	X	Name	X	X	X	ID (tbd)	X	ID (tbd)	X	X
Malta	Generic	X	Name, role	X			ID	X	Health prof. database	X	
Norway	Generic	X	Name	X	X	X	ID	X	Generic eID smart card	TBD	
Poland	Specific (p)	ALL	Name, role	X	X	X		NHF (P)	only Silesia region-HCPC	X	
Portugal	Generic	X	Name				eID card	X	Professional card	X	X
Romania											
Slovakia	Generic (p)	X	ALL	X	X	X	eID		HPRO card (p)	X	X (p)

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		Name, Admin, Health Data, other	Function alities	Access to eHealth data	Access to ePrescriptions	Reimburse ment status	Identifier	Register	eHealth Professional card	Register of health professionals	
Slovenia	Specific*	X	ALL	X	X (p)	X	Health Insurance N.	x	Professional card	X	X (p)
Spain		X	Name	X	X		eDNI	X	UID	X	
Sweden	Generic	X	Name, other	X	X	X	ID card	X	eID card	X	
Switzerland	Generic	X ALL	X	X	X	X	ID	Master Patient Index	ID	Health Professional Index	
The Netherlands	Generic (p)						ID	X		X	X
UK- England	X (p)	other					tbd	tbd	X	X	
UK- Scotland	Other (p)						Communi t Health Index		?	?	Token/PIN
UK-N. Ireland	Generic (p)	X			X						
UK-Wales	Generic (p)										

Legend:

(p) – planned

* Specific eHealth card with a generic digital certificate

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Glossary of Terms

In the mapping:

CPR - Daniss Unique Identifier Number

e-Card - Electronic card

eDNI - Spanish electronic identity card

eGK - German electronic Healthcard

e-ID - Electronic Identification

HBA - German Health professional card

HCP - Health care professional card

HPRO - Slovak special Health care professional electronic card

ID - Identification Document number

INS - Identifiant National de Santé

NHF - National Health Fund

SAFE2 - Irish validation system still in development for patients authentication

SSN - Social Security Number

UCN - Uniform Civil Number

In the questionnaires and in the proposed Regulation:

'authentication' means an electronic process that allows the validation of the electronic identification of a natural or legal person; or of the origin and integrity of an electronic data

'certificate' means an electronic attestation which links electronic signature or seal validation data of a natural or a legal person respectively to the certificate and confirms those data of that person

'creator of a seal' means a legal person who creates an electronic seal

'electronic delivery service' means a service that makes it possible to transmit data by electronic means and provides evidence relating to the handling of the transmitted data, including proof of sending or receiving the data, and which protects transmitted data against the risk of loss, theft, damage or any unauthorised alterations

‘electronic document’ means a document in any electronic format

‘electronic identification means’ means a material or immaterial unit containing data and which is used to access services online

‘electronic identification scheme’ means a system for electronic identification under which electronic identification means are issued to persons

‘electronic identification’ means the process of using person identification data in electronic form unambiguously representing a natural or legal person

‘electronic seal creation data’ means unique data which are used by the creator of the electronic seal to create an electronic seal

‘electronic seal’ means data in electronic form which are attached to or logically associated with other electronic data to ensure the origin and the integrity of the associated data

‘electronic signature creation device’ means configured software or hardware used to create an electronic signature

‘electronic signature’ means data in electronic form which are attached to or logically associated with other electronic data and which are used by the signatory to sign

‘electronic time stamp’ means data in electronic form which binds other electronic data to a particular time establishing evidence that these data existed at that time

‘product’ means hardware or software, or relevant components thereof, which are intended to be used for the provision of trust services

‘signatory’ means a natural person who creates an electronic signature

‘trust service provider’ means a natural or a legal person who provides one or more trust services

‘trust service’ means any electronic service consisting in the creation, verification, validation, handling and preservation of electronic signatures, electronic seals, electronic time stamps, electronic documents, electronic delivery services, website authentication, and electronic certificates, including certificates for electronic signature and for electronic seals

‘validation data’ means data which are used to validate an electronic signature or an electronic seal