Presentation Outline

› National examples (Austria)

› Some history on cross-border eHealth

› eHN and MyHealth@EU

› Upcoming EUDI Wallet and eHealth

› Conclusions

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Digital ID in Health – where needed?

› Online
  › Patient access to portals, electronic health records
  › Health Care Provider access and data provision
› Offline / Presence
  › Patient at point of care
› Backoffice
  › E.g., combine episodes with clearance in hospital information systems
 › uses identifiers and attributes provided with no patient interaction

Online Example Austria: ELGA

› Introduced 2015
  › Patient summary
  › Electronic vaccination card
› Patient access with eID
  › on her own behalf, or
  › including representation by others!
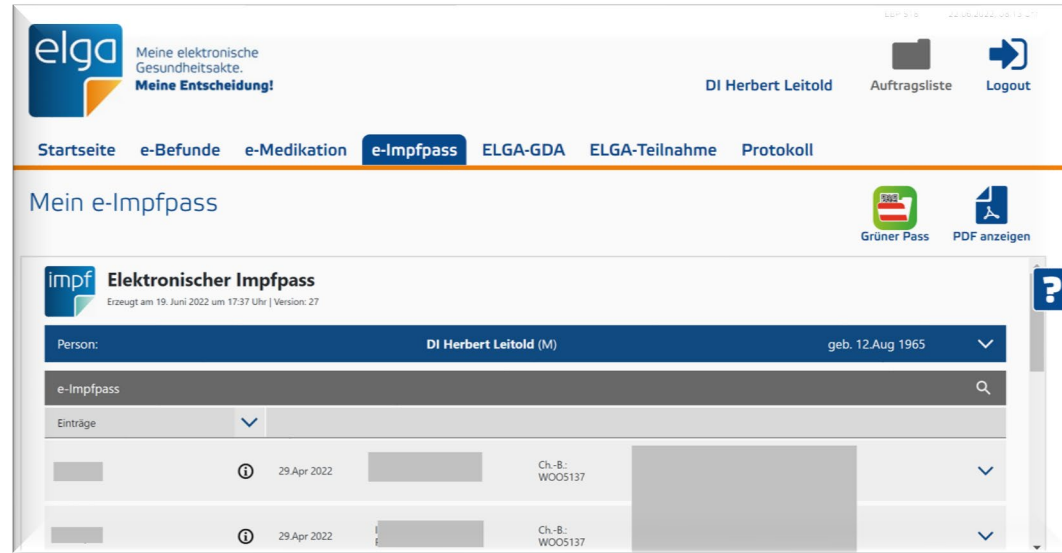
Online Example Austria: HCP Access

› Authenticate using
  › National eID
  › HCP registry provides professional role
› E.g. used to upload Covid test results
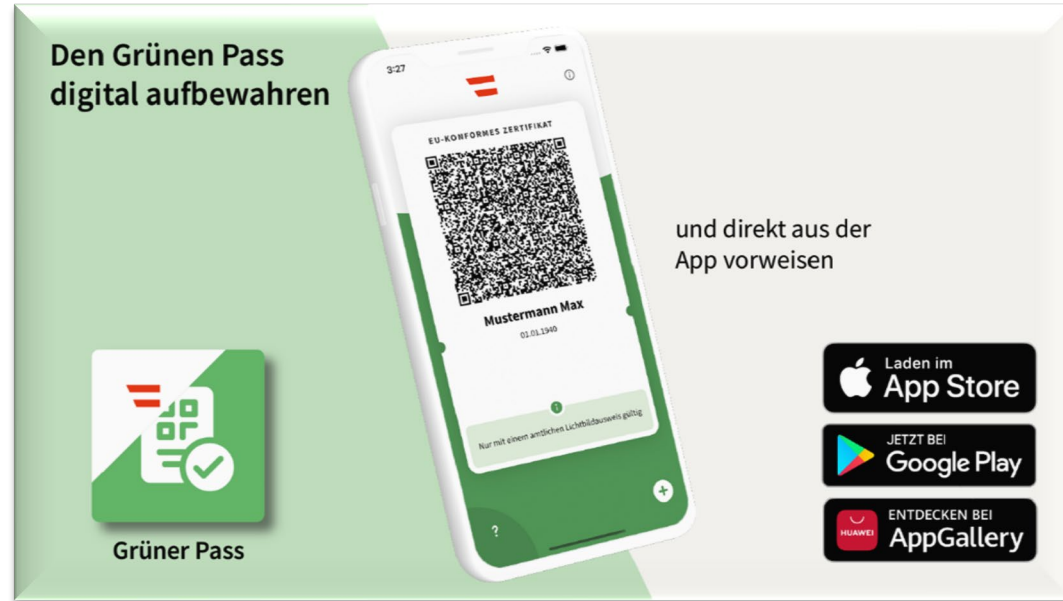 › ... which a citizen then can gets her/his eID
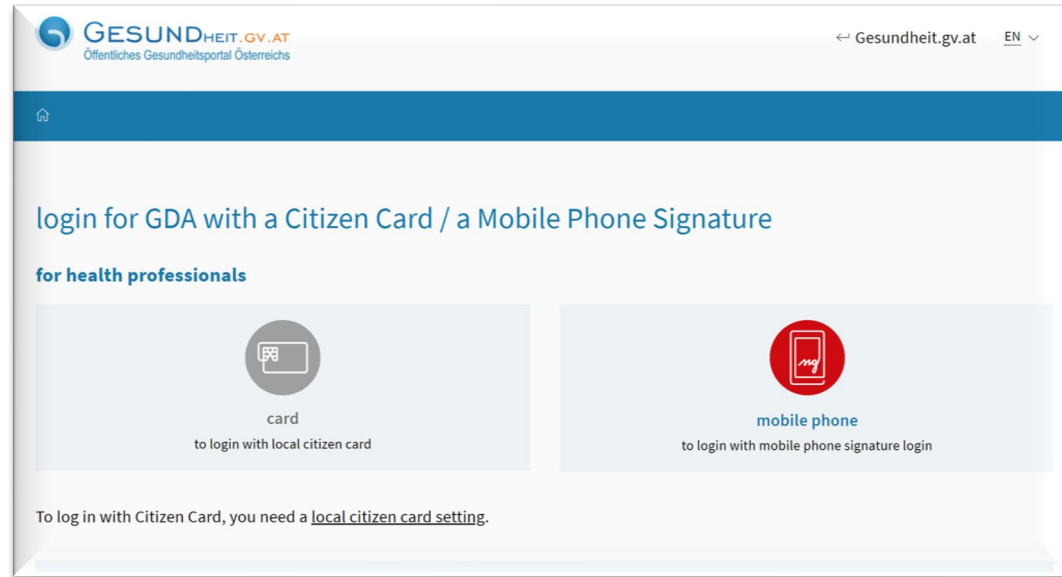
Offline example Austria: e-card

› Introduced in 2005
  › Issued to each citizen
  › Issued by the Austrian social security system
› Basis for
  › getting care (accounting)
  › ePrescription
  › EHIC

Recent success: EU DCC
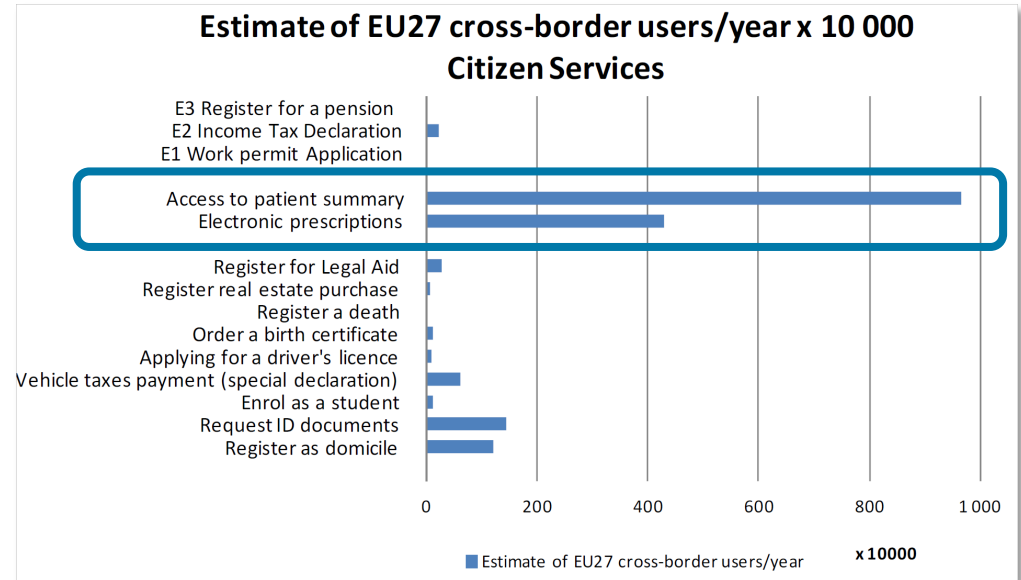
› Introduced under the pandemic's time constraints

› High-volume

    › Boosted national eID

› Privacy at verification

Den Grünen Pass digital aufbewahren

EU-KONFORMES ZERTIFIKAT

Mustermann Max
01.01.1940

Nur mit einem amtlichen Lichtbildausweis gültig

und direkt aus der App vorweisen

Grüner Pass

Laden im App Store

JETZT BEI Google Play

ENTDECKEN BEI AppGallery

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The challenge: Cross-border

› Health is a national competence

  › Some exceptions like Directive 2011/24/EU

› But health care is also a citizens' concern, irrespective any borders

Estimate of EU27 cross-border users/year x 10 000 Citizen Services

Service	Estimate of EU27 cross-border users/year
E3 Register for a pension	
E2 Income Tax Declaration	
E1 Work permit Application	
Access to patient summary	
Electronic prescriptions	
Register for Legal Aid	
Register real estate purchase	
Register a death	
Order a birth certificate	
Applying for a driver's licence	
Vehicle taxes payment (special declaration)	
Enrol as a student	
Request ID documents	
Register as domicile	

■ Estimate of EU27 cross-border users/year   **x 10000**

Source: European Commission, Study on Analysis of the Needs for Cross-Border Services and Assessment of the Organisational, Legal, Technical and Semantic Barriers, 2013 (!)

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Started with Large Scale Pilots

› ePSOS (2008-2014)

   › ePrescription and patient summary

› STORK (2008-2011)

   › Liaison with ePSOS to discuss eID

› STORK 2.0 (2012-2015)

   › eHealth was one eID pilot

› eSENS (2013-2017)

   › Building block consolidation

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eHealth Governance

› eHealth Network

  › Established under patients' rights in cross-border healthcare Directive

  › National health authorities collaborate and issue guidelines to reap benefits of European eHealth systems and interoperable applications

› Technical IOP Subgroup

  › Assists the eHN on interoperability aspects and gives policy advice

  › Inter alia responsible for the architecture and technical specifications of the EU Digital COVID Certificate

  › Also works on electronic identity

MyHealth@EU

› MyHealth@EU is the existing infrastructure that connects healthcare providers in Member States. It allows them to exchange health data such as Patient Summaries and ePrescription.

› To be extended by lab results, image reports, discharge reports.

Source and gratitude to European Commission, DG SANTE.

Live now: CZ EE ES FI FR HR
LU MT NL PT
Go-live planned 2022: CY GR
HU IE IT LT PL SE SI SK
Go-live planned 2023: BG LV
Application under review: AT
DE DK IS NO RO

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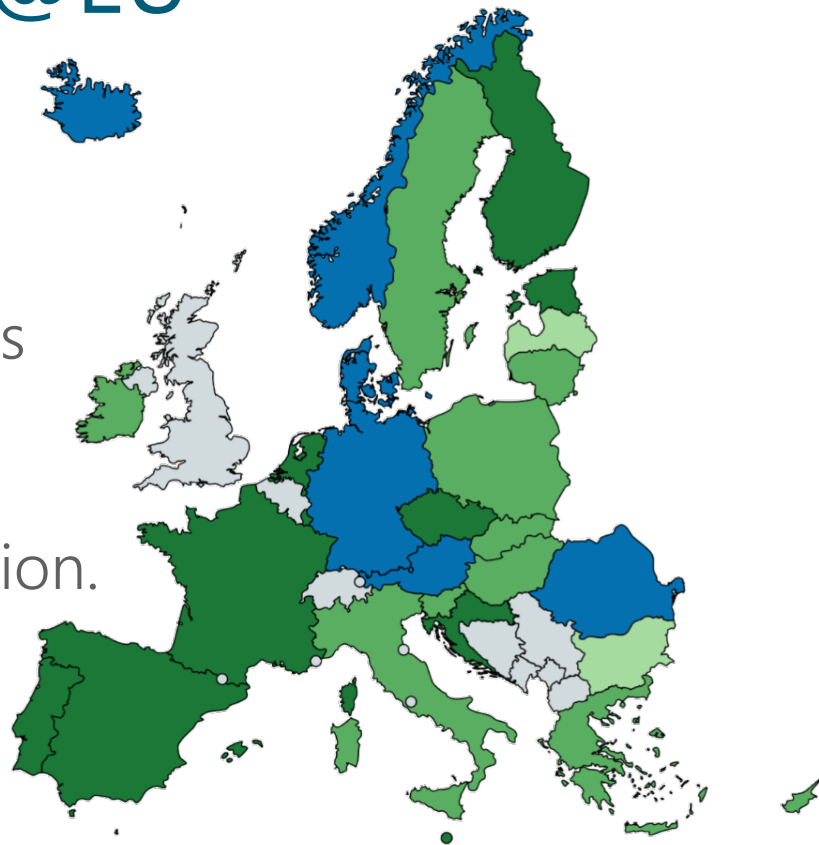
Some common goals of MyHealth@EU

To support continuity of care when people exercise their right of freedom of movement

To provide appropriate and usable tools to health professionals and to patients

To ensure data protection and security

To ensure stability and further development of services, and make people aware of them

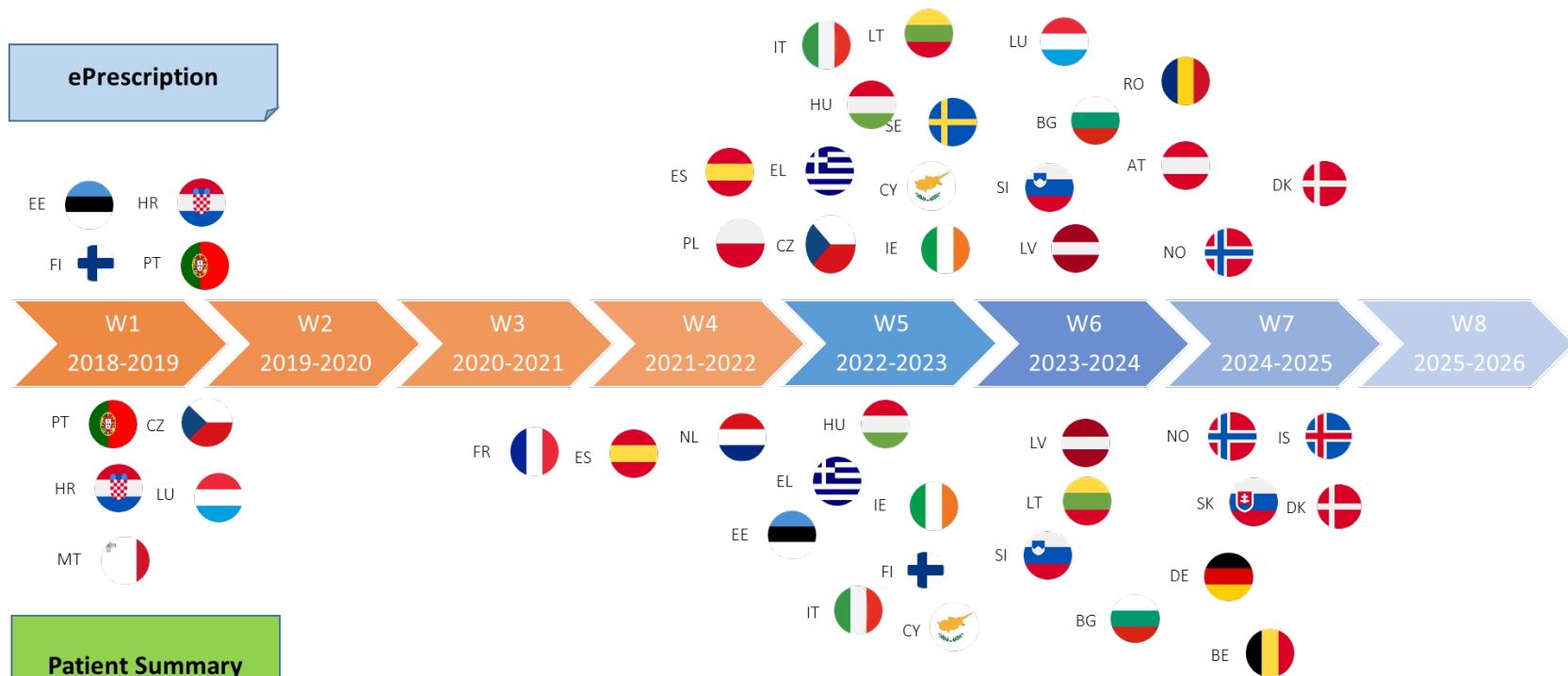*Source and gratitude to European Commission, DG SANTE.*

Current HCP coverage in MS

MS	Hospitals	Pharmacies	Other POC
CZ	15%		
EE		100%	
ES	10%		13%
FI		100%	
FR	100%	100%	100%
HR	100%	100%	100%
LU	100%		
MT	94%		
NL	1,7%		
PT	7,5%	0.03%	

Source and gratitude to European Commission, DG SANTE.

Approximate timeline subject to change

ePrescription

Patient Summary

Source and gratitude to European Commission, DG SANTE.

W1 2018-2019	W2 2019-2020	W3 2020-2021	W4 2021-2022	W5 2022-2023	W6 2023-2024	W7 2024-2025	W8 2025-2026

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European Digital Identity Framework

› Proposed under eIDAS Revision

› EUDI Wallet to be issued by MS

› Toolbox process to define the technical basis by fall 2022

› eHealth is one of the use cases that define requirements

› Large Scale Pilots to validate the Architecture Reference Framework
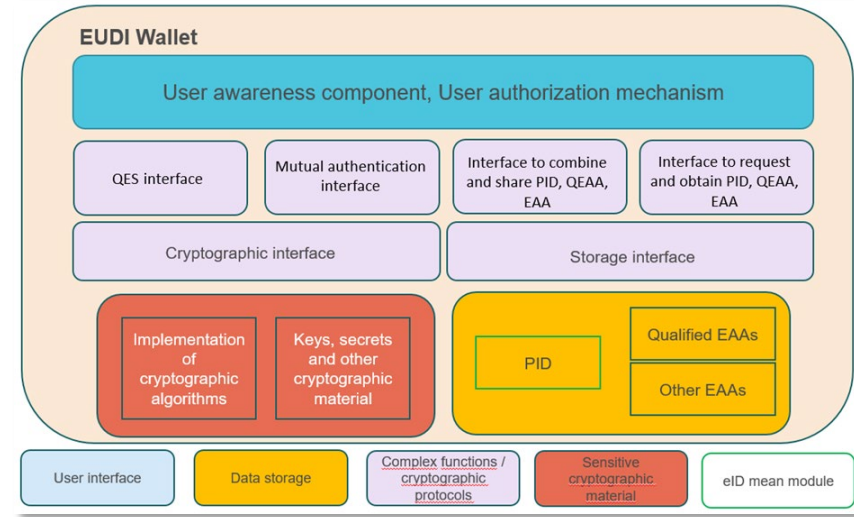
Source: European Digital Identity Architecture and Reference Framework, Outline, February 2022

How can the EUDI Wallet serve eHealth?

› MyHealth@EU provides a service infrastructure in production

› Still some practical issues, e.g. with ePrescription

  › Manual entry of patient identifiers at the pharmacy

  › Time-consuming, error-prone and different identifiers in MS

› EUDI Wallet can provide authentic person-identification data

  › Complements the ongoing efforts by digital identity

Patient Identification today

› HCP needs to know what ID is needed by the home-country

  › May also need a prescription Id and dispensation PIN

What is discussed with EUDI
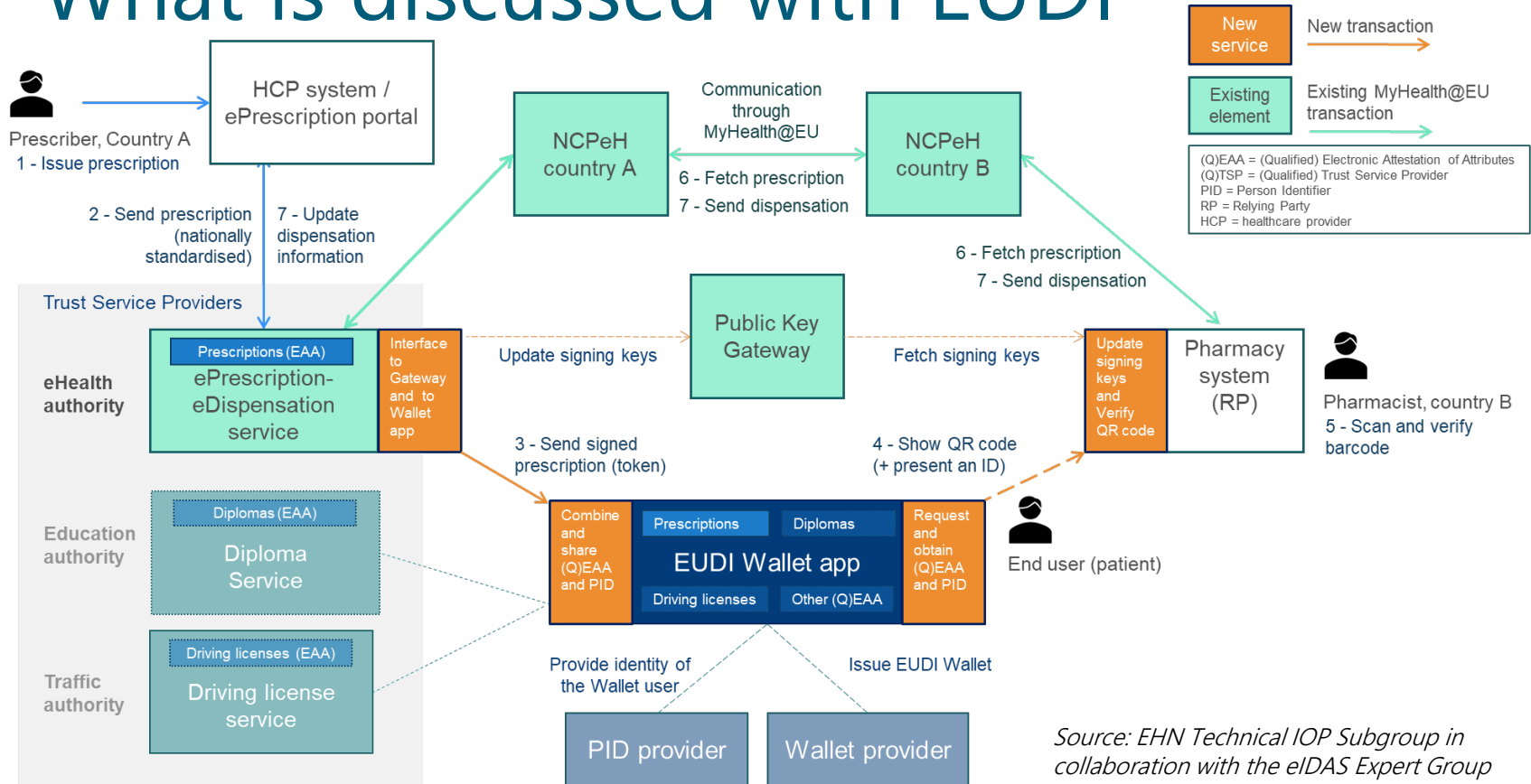
Source: EHN Technical IOP Subgroup in collaboration with the eIDAS Expert Group

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Summary

› eID in eHealth common practice in many MS

› eHealth, however, has a cross-border dimension

› MyHealth@EU provides a sound service infrastructure

› The EUDI Wallet can bridge a gap

  › interoperable online authentication

  › offline identification data provision (cf. ePrescription)

› Large Scale Pilots on the horizon to validate the concepts

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Herbert.Leitold@a-sit.at

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