

Roadmap 2025

18th October 2024

Softwarehouses All

(version postmeeting; remarks taken into account; Exchanges with SWH in timelines)

Agenda

1. Welcome
2. New functionalities
 - a. Medical doctors
 - b. Dentists
 - c. Midwives
3. FHIR prescriptions
 - a. Evolution and getting there
 - b. Different packages – different releases → Timing
 - c. Documentation
 - d. Production
 - e. Finishing Kmehr
4. Changes @ Recip-e
 - a. Changed role and new additional role of Recip-e
 - b. What's in it for you?
5. Q & A

1. Welcome

- Networking
- Who is who?
- All software house types are invited.

2. New functionalities for endusers

2. New functionalities for endusers

Rationale

- Rationale:
 - Starting point = needs on the field
 - Quick wins for both endusers and software houses
 - Having new functionalities while developing/ testing hard “internally” for the Recip-e FHIR application

2. New functionalities for endusers

Advantages for endusers

- Medical doctors
 - Provide a “tag” on the prescription for “narcotic” medication
 - Rationale: prevent as much as possible abuse
- Dentists
 - List of prescriptions within the healthcare group
 - List of prescriptions extended for (limited) medical doctor prescriptions
 - Rationale: being able to consult critical medical info applicable for dentists (eg, anticoagulants taking, ...)
- Midwives
 - List of prescriptions within the healthcare group
 - Rationale: better evaluation of the patients’ situation

2. New functionalities for endusers

2025-2026

Timings

Communication texts & e-learnings
Nov 2025



Dentists' List
Midwives' List
on INT (and ACC)
Documentation
Jan/ Feb 2025

TESTING

Doctors NARCOTICS
on INT (and ACC)
Documentation
Feb 2025

TESTING

Pilot (after validation)
Aug/ Sep – Nov 2025

Dec 2025 –
Validation finished
(= homologation)

Exchanges with SWH (TRIO) – Feb 25 → Nov 25
At availability Docu
At preparation validations/ pilot
At feedback pilot
(via Teams)

3. FHIR prescriptions

3a Evolution and getting there

PURPOSE = use FHIR standard so to be interoperable with other caresets

- Update technical + opportunity to update business rules

APPROACH

- Internal discussions Recip-e
 - Understanding the FHIR standards and what extra can we do by this? → link towards medication line (scheme)
 - Business opportunities, quick wins first (MVP – complete product)
 - Technical framework: further building on demo already set up in 2021
 - Business – technical exchange
- Business rules
 - Mapping (needs to have versus nice to have)
 - Work out towards FHIR standards (Kmehr/ FHIR; version FHIR)
 - Exchange with Caresets and VIDIS team (end 2023/ beginning 2024)
 - Exchange of business rules proposals with business stakeholders (start 14/5/2024)
 - Validation by endusers, VIDIS
 - Validation by Caresets team
- Technical work out: development (see further)
 - Workgroup technical standards
 - FHIR standards
 - Pseudonymisation (QUALITY of prescriptions)

STATUS

- All new business rules FHIR-ready (status beginning 2024)
- Old business rules (legacy Recip-e): to be adapted (end 2024 all mapped)

Different phases → dynamic process

3a Evolution and getting there

- WBS structure
 - Dependencies, risks

Epic	eHealth Afhankelijkheid
Prescriber - Create medication request	cobrha, rrn , sam
Prescriber - List medication requests	consent, TR
Prescriber - Consult medication request	
Prescriber - Cancel medication request	
Prescriber - Change visibility	
Prescriber - Add note (feedback/interaction)	
Citizen - Identify patient (volmachten, ouder/kind)	
Citizen - List medication requests	
Citizen - Consult medication request	
Citizen - Cancel medication request	
Citizen - Consult loggings	
Citizen - Change visibility	
Citizen - Assign medication request (Reservatie)	
Citizen - Cancel assignment	
Citizen - Change communication channels	
Citizen - Change collection date	
Pharmacist - Identify patient (volmachten, ouder/kind)	List profiles
Pharmacist - List medication requests	TR
Pharmacist - Reactivate medication request (undeliver)	
Pharmacist - Complete medication request (deliver)	
Pharmacist - Consult medication request	
Pharmacist - Cancel medication request	
Pharmacist - Assign medication request (reservation)	
Pharmacist - Change assignment status	
Pharmacist - Add note (feedback/interaction)	
Pharmacist - Consult profile (reservation contacts)	
Pharmacist - update profile (adapt choices for reservation)	

Adaptations
BeMedicationRequest
Until final

Epic	eHealth Afhankelijkheid
FHIR ontwikkeling	
FHIR Implementation Guide (HL7 guidelines voor Business rules na	Ja
FHIR Audit log (framework)	
FHIR Hapi Server (DEV omgeving)	
FHIR Mock to Implementation (TR, license check, RN consult, ...)	Ja
FHIR Demo app (framework)	
FHIR Pseudonymisatie (framework)	Ja
Setup Feature flags	Ja
FHIR Security (framework)	Ja

Epic	eHealth Afhankelijkheid
BEMedicationRequest alignment 1 (Business rules naar dev)	
BEMedicationRequest alignment 2(Business rules naar dev)	
BEMedicationRequest alignment 3 (Business rules naar dev)	
BEMedicationRequest alignment 4 (Business rules naar dev)	
BEMedicationRequest alignment 5 (Business rules naar dev)	
Batch - Suspended prescriber check	cobrha
Batch - Expired medication requests	
Batch - Cleanup of delivered medication request	
SWH documentatie (business + technisch)	

- Unique dossiers existing functionalities
- Unieke dossiers new functionalities

3a Evolution and getting there

KMEHR → FHIR : added business value

Added business value → international standard, which :

- Guarantees interoperability.
- Opens doors for data exchange with parties, participating in health care processes in other countries.

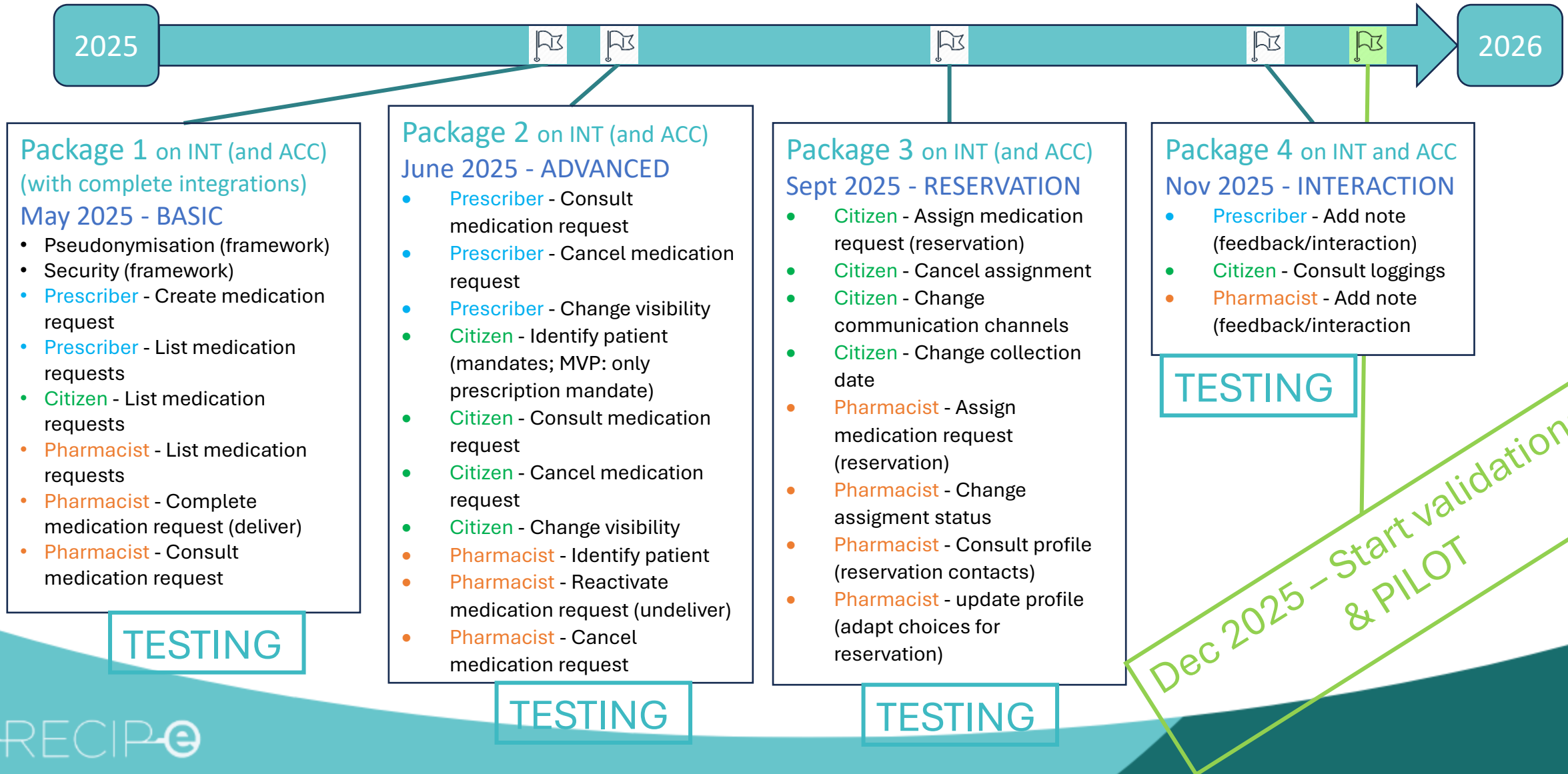
3a Evolution and getting there

Encryption → pseudonymisation – added business value

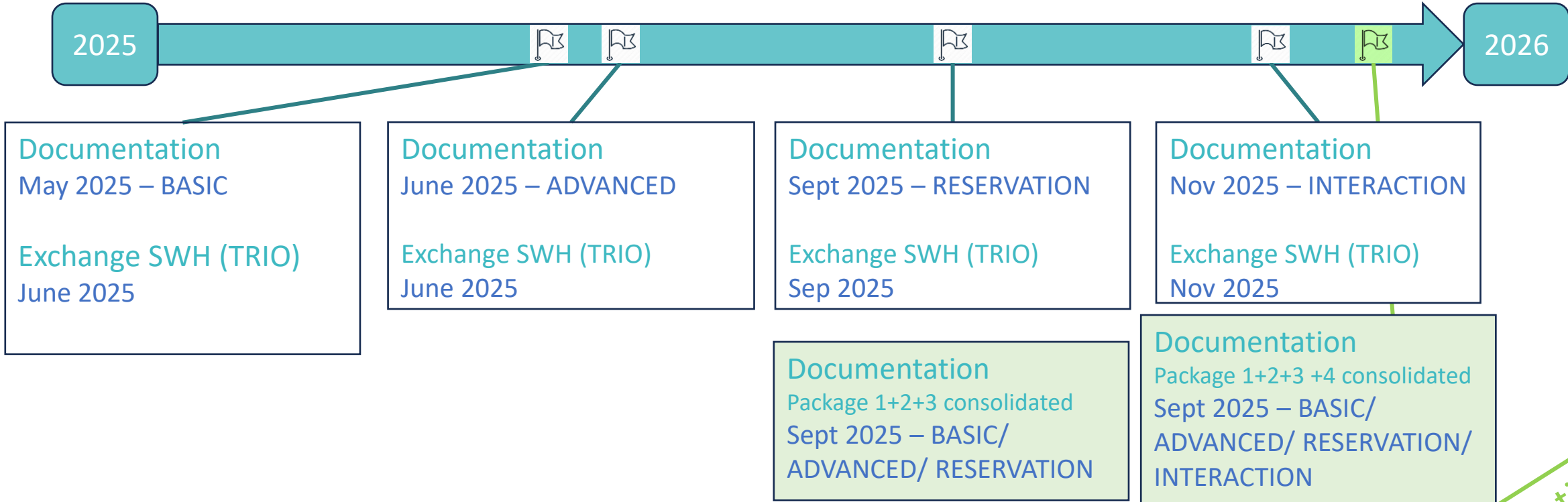
Added business value:

- More possibilities to check data quality of data sent to Recip-e (against other centralised authentic sources).
 - Does the patient exist and is he/she still alive?
 - Does the prescribed medication exist and is it commercialised?
 - Does the prescriber have a valid licence to practise?
 - Are business rules being followed?
 - ...
- Possibility to analyse data on a population level, without citizens losing their privacy.

3b Different packages – different releases



3c Documentation



Dec 2025 – Start validations
PILOT

3c Documentation types

- Business documentation
 - Per perspective of the enduser
 - Description of the functionalities for the enduser
 - (Changelog when advancing in the testing process)
- Technical documentation
 - All needs
 - Changelog when advancing in the testing process/ validation process

3d Production



PROD
FEB 26 – SW Pharmacists (All) & SW Patients (1 patient channel)

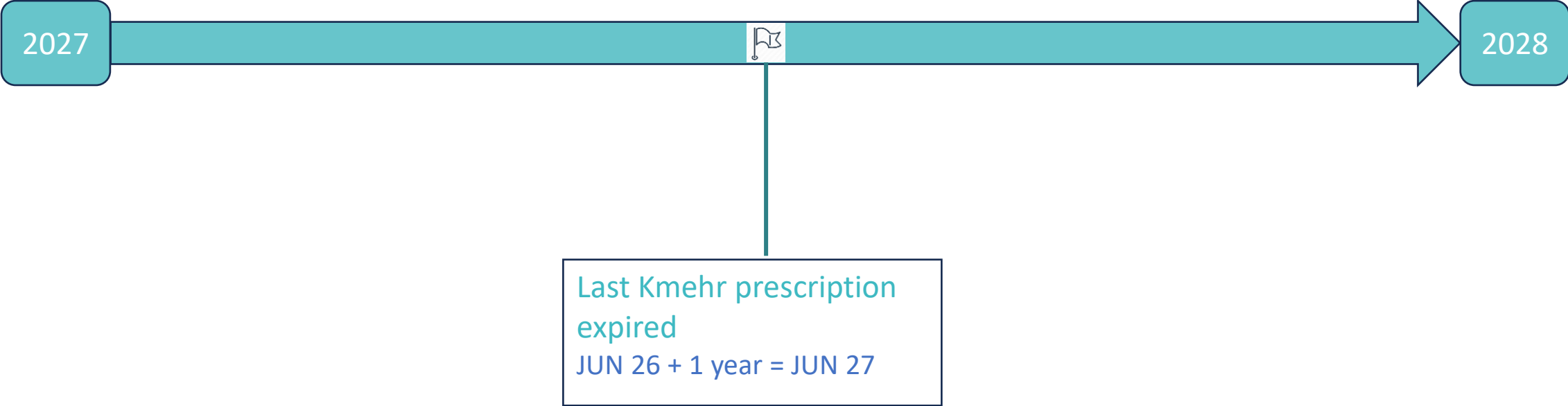
All pharmacists must be able to receive FHIR prescriptions before the medical doctors can start sending FHIR prescriptions.

PROD
MAY 26 – SW Prescribers

All prescribers must be able to create FHIR prescriptions including prescribers at the hospital (ambulatory patients).

FHIR prescriptions & Kmehr prescriptions in parallel
LAST KMEHR PRESCRIPTION
JUN 26

3e Finishing Kmehr



4. Changes @Recip-e

And What's in it for you as a software house?

4. Changes @ Recip-e organisation

- Role: will be a more business role
 - Pharmaceutical prescriptions
 - Referral prescriptions (collaboration with RIZIV team)
 - Central business role (collect needs from the field and harmonise them as much as possible)
- Where are we in together?
 - Roadmap of business functionalities will remain at Recip-e business organisation
 - Priorities are set by the needs for the endusers = basic starting point
 - Performance of service and prevention of incidents at the Recip-e application will remain an important focus of Recip-e business organisation.
 - The system MUST work, and not only for the database and hosting part → whole E2E chain
 - Recip-e organisation checks on SLA and RACI of the service of the Recip-e application.

4. Changes @ Recip-e organisation

- Technical support for Recip-e application will be done at Smals
 - as from 14/10/2024.
 - Recip-e business organisation will remain working in product-ownership in the agile development and release setting.
- Implications for you?
 - More business information for you, through separate business documentation of the functionalities
 - Testing machine to test smaller parts
 - “automatic” validations before getting into bigger homologation – self-testings
 - Homologation = final step
 - Technical TICKETS about the Recip-e application arrive at SMALS
 - NEW LINK has been added via Service Now
 - Business tickets remain or come (back) to Recip-e organisation
 - Can be sent at Info@Recip-e.be

4. Changes @ Recip-e organisation

- The name of the Recip-e organisation remains the same in the future, although the focus will be more on the business part and the added value to be created towards the Recip-e application for the healthcare providers.

5. Q & A

THE END

Thank you for being there!