eRx script exchange

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SIMPL

What is the eRx Script Exchange?

eRx Script Exchange uses secure communication over the internet to provide:

- ❖ Transmission of original prescriptions from Prescribers to Pharmacists
- ❖ Retrieval of repeat prescriptions by Pharmacists
- ❖ The option for Prescribers to be notified of a dispense event – (with patient consent)
- ❖ The option of patients having their dispensing history sent to 3rd party service providers upon request e.g. IEHR (future release and only with patient consent)

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eRx Script Exchange Features

- Available to all GPs, medical facilities and pharmacists regardless of which software systems they are using via certified eRx adaptors
- Common sense stepped approach duplicating current paper prescription
- Compliant with all privacy laws and regulations
- Maintains consumer choice with no point-to-point routing of prescriptions in community pharmacy
- Uses central hub or repository model

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A Collective Industry Effort!

eRx Script Exchange is an industry driven approach involving all the major vendors and many endorsement partners:

The eRx Process – Need

An otherwise healthy child comes down with severe rash all over

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The eRx Process – Prescribe

A worried mum takes her sick child to the local GP for a consult, a diagnosis is made and the GP decides to prescribe some antibiotics to stop further infection.

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eRx Step 1 – Print Paper Rx

The GP uses their existing computer prescribing software to write a prescription and this is printed exactly as it is now with the addition of an eRx ID barcode printed on the front of the prescription.

If the GP wants notification of the dispensing to be returned by the pharmacy he asks the patient for consent to do so.

Dr. Adonis Lanver
1 Best Avenue
Practiceland 4001
07 7785 0777

Fax: 07 7820 9877

PRESCRIBER no.: 660952

PATIENT'S MEDICARE no.: 4133180466-1

Pharmaceutical Benefits Entitlement number

☐ Safety Net Entitlement Card holder (tick relevant box)

☐ Concessional or dependant RPBS beneficiary or Safety Net Concession Card holder

PATIENT'S NAME:
ADDRESS:

Felix Adams
35 Yarrabine Road
Landsborough 4550

DATE 01/04/2009 ☑ PBS ☐ RPBS ☐ BRAND SUBSTITUTION NOT PERMITTED Script ID: 001236

Coumadin 1mg Tablet
As directed
Quantity: 50. 2 repeats.
Coumadin 2mg Tablet
As directed
Quantity: 50. 2 repeats.
Coumadin 5mg Tablet
As directed
Quantity: 50. 2 repeats.
3 items printed.

Dr. Adonis Lanver
MBBS

Please turn over for privacy note

eRx> 911232FC657BNDHVV1

eRx Step 2 – Patient Choice

Medical Software
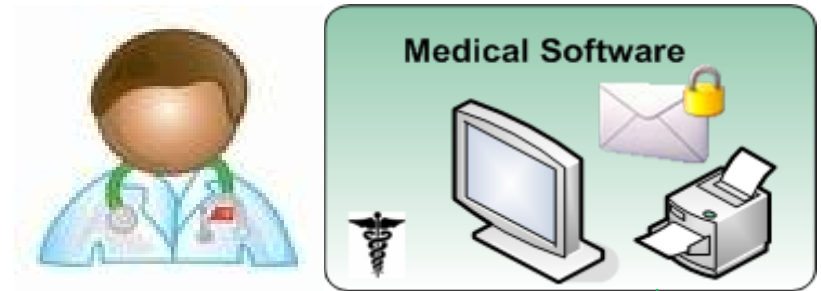
The GP gives the paper prescription with the eRx barcode printed on it to the mother and she heads to her pharmacy of choice.

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eRx Step 3 – Dr Upload Rx Info

Medical Software

Meanwhile, in the background the GP's system encrypts the prescription data and sends securely via the internet to eRx Script Exchange to store until the mother presents the paper prescription

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Internet

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script exchange
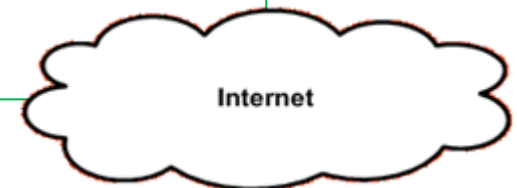
eRx Step 4 – Scan Rx & Request

The mother arrives at any pharmacy and hands over the paper script. The pharmacist scans the eRx barcode from within his current dispensing software and requests the prescription data from eRx Script Exchange
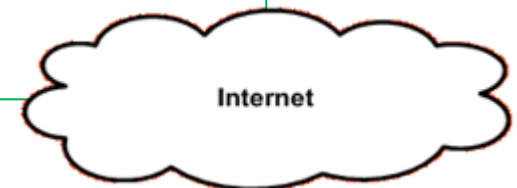
eRx Step 5 – Retrieve Rx Info

Pharmacy Software
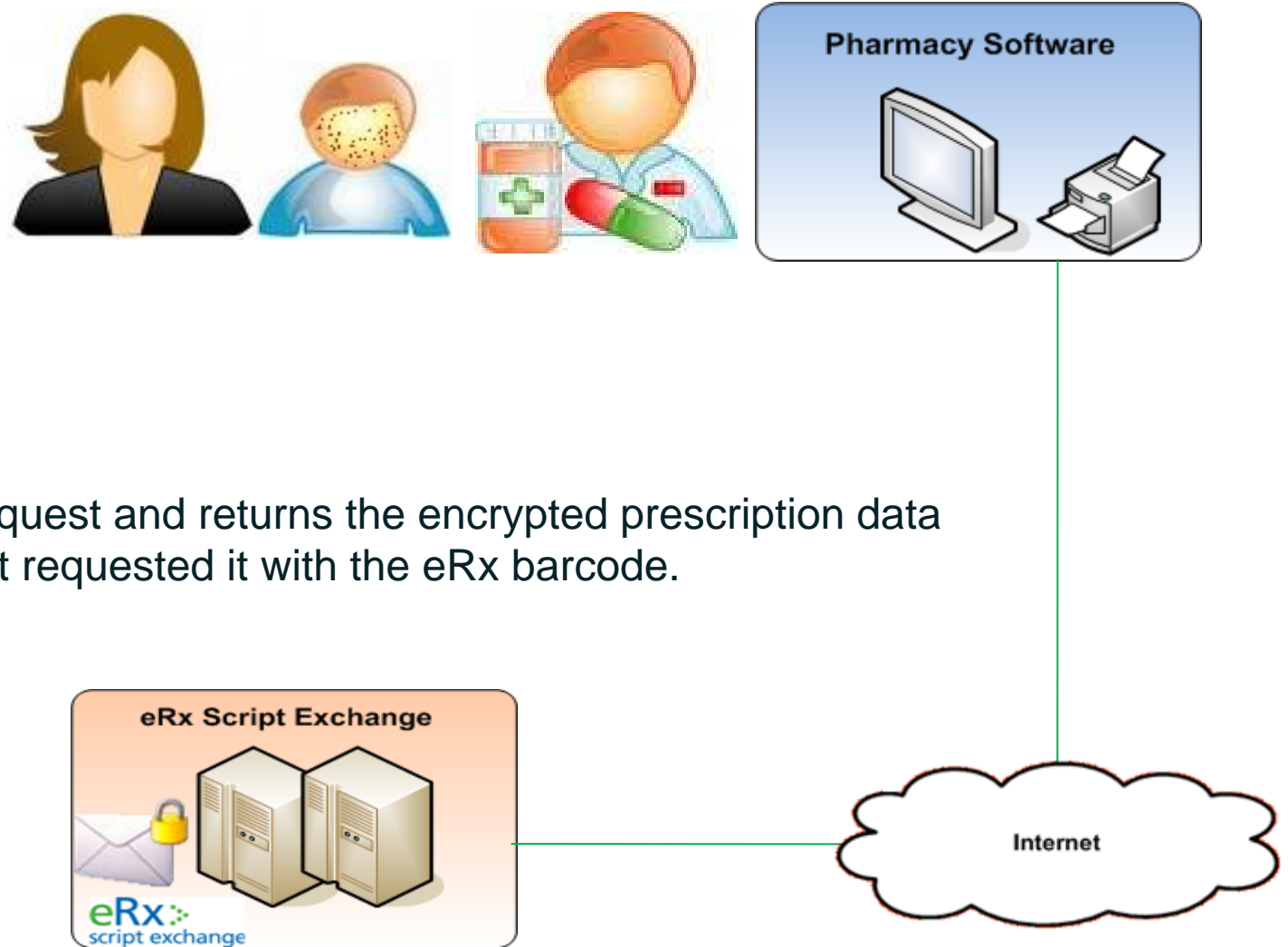
eRx receives this request and returns the encrypted prescription data to the pharmacy that requested it with the eRx barcode.

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Internet

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eRx Step 6 – Safely Dispense

Pharmacy Software

The pharmacist dispenses the medicine using the accurate prescription details provided by GP via eRx and the child instantly gets better.

The mum leaves the pharmacy with a repeat script with a new eRx barcode in case she needs it dispensed next week.

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Pharmaceutical benefits -- PBS/RPBS
Repeat authorisation
Valid only if the patient/pharmacist ~~and a~~ ~~prescription is ~~

EC0354653

Mark
relevant
box

X

| Serial no. | | Prescriber no. | 660952 | Gen | ☒ |

Patient's
Medicine no.   eRx:·

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖

on

Patient's
name &
address

MR. FELIX ADAMS
35 YARRABINE ROAD
LANDSBOROUGH   Post code   4550

(156   Ent

RPBS

| Authority number | | Entitlement number | |

Original prescription transcription (item, strength, quantity, directions and deferred supply if applicable)

COUMADIN (LIGHT TAN) TABLETS 1mg Qty 50
Take as directed by your doctor

2 Rpts Left   Dr Adonis LANVER   Rpt No **36Y**

Original prescription details		No.of times already dispensed (including original supply) If original not supplied insert "0".	Priced items only
Date	PBS approval no.		
01/04/09	HQ025F		$
No.	No. of repeats authorised	1	
1583	2		

Name and PBS approval number of pharmacist dispensing this supply	Name and PBS approval number of pharmacist issuing this authorisation
Valid to 01/04/10	eRx User 66666
M/C 4133-18046-61 to 01/2005	eRx Test Site 8 20 Trenerry Crescent
eRx: 9666666NC89W3H5VP0	ABBOTSFORD 3067 Ph: 03 9418 1800
Reg25: 0604	01/04/09 JB HQ025F
Prescription no. this supply	Date this authorisation prepared

I certify that I have received the medication and the information relating to any entitlement to free or concessional pharmaceutical benefits is not false or misleading.
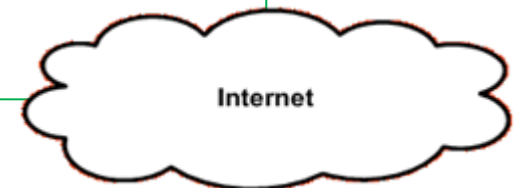
____/____/____
Date of supply   Patient's or agent's signature

eRx:·
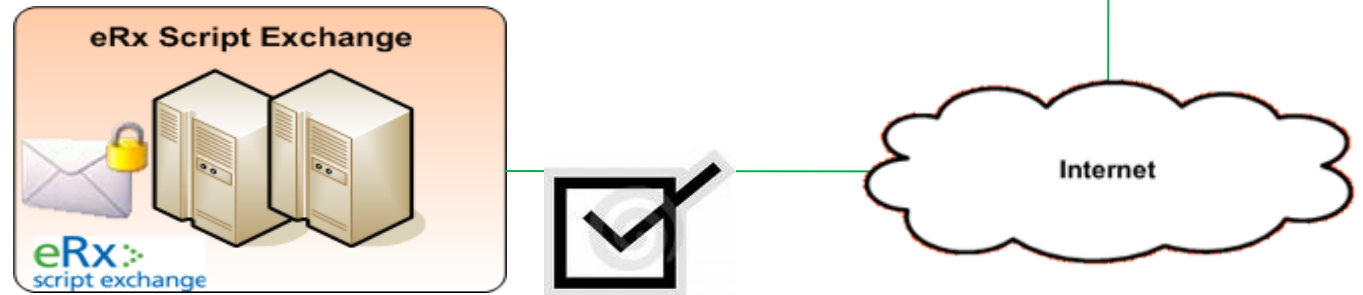script exchange

eRx Step 7 – Upload Rx Dispensed

The pharmacy system sends the dispense notification and new repeat information back to eRx

eRx Step 8 – Notify Prescriber

If the patient has provided consent eRx will send the dispense notification back to the doctor so he can note this when mum brings the child back for a review.
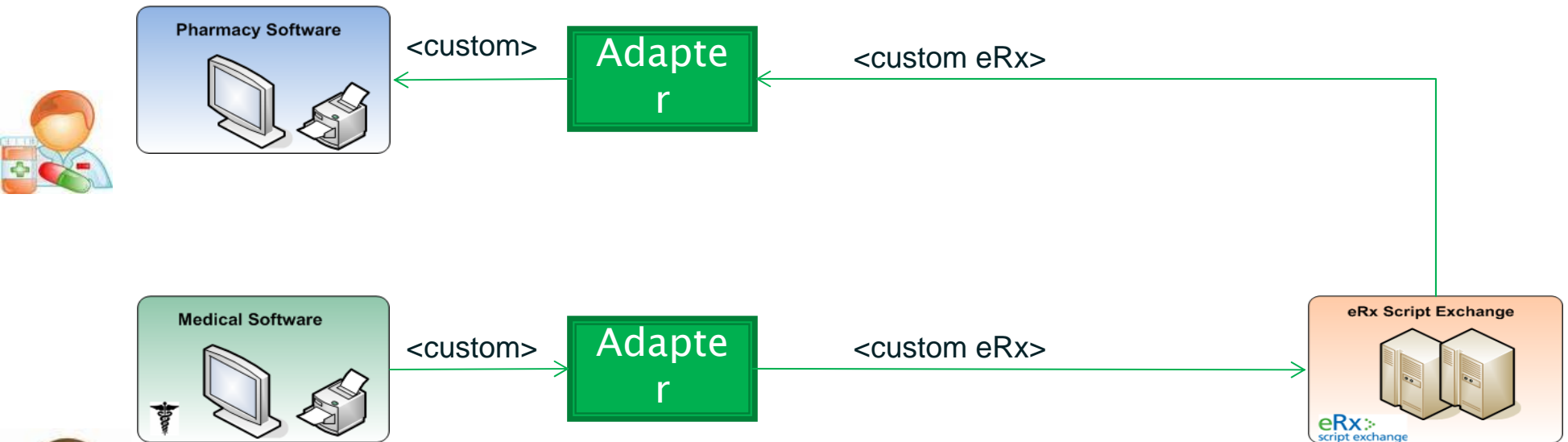
eRx Script Exchange Progress & Timeline

- eRx Script Exchange solution began staged deployment in April – continuing installs of existing vendor sites (Fred and Best Practice)

- IT Vendors covering 99% of Pharmacies and 90%+ of doctors are committed to provide eRx

- Vendors currently integrating include Corum (Amfac and Pharmasol), HCN (Medical Director), Minfos, Simple Aquarius and Pharmacy Pro

- HCN (Medical Director) and Zedmed joined the eRx Script Exchange in August, 2009

- Continuing discussion with other IT partners & industry participants (eg. Aged Care, government)

- To date, eRx has transmitted in excess of 500,000 e-prescriptions

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Implementation

- Project profile defined approach
  - New technology application
  - Diverse stakeholder interests
  - Geographic dispersion
  - Success criteria
- Risk assessment defined early focus
  - Scalability to 300m scripts p.a.
  - Sub 3 sec response
  - Robust security model
  - Development standards
- Project management and governance

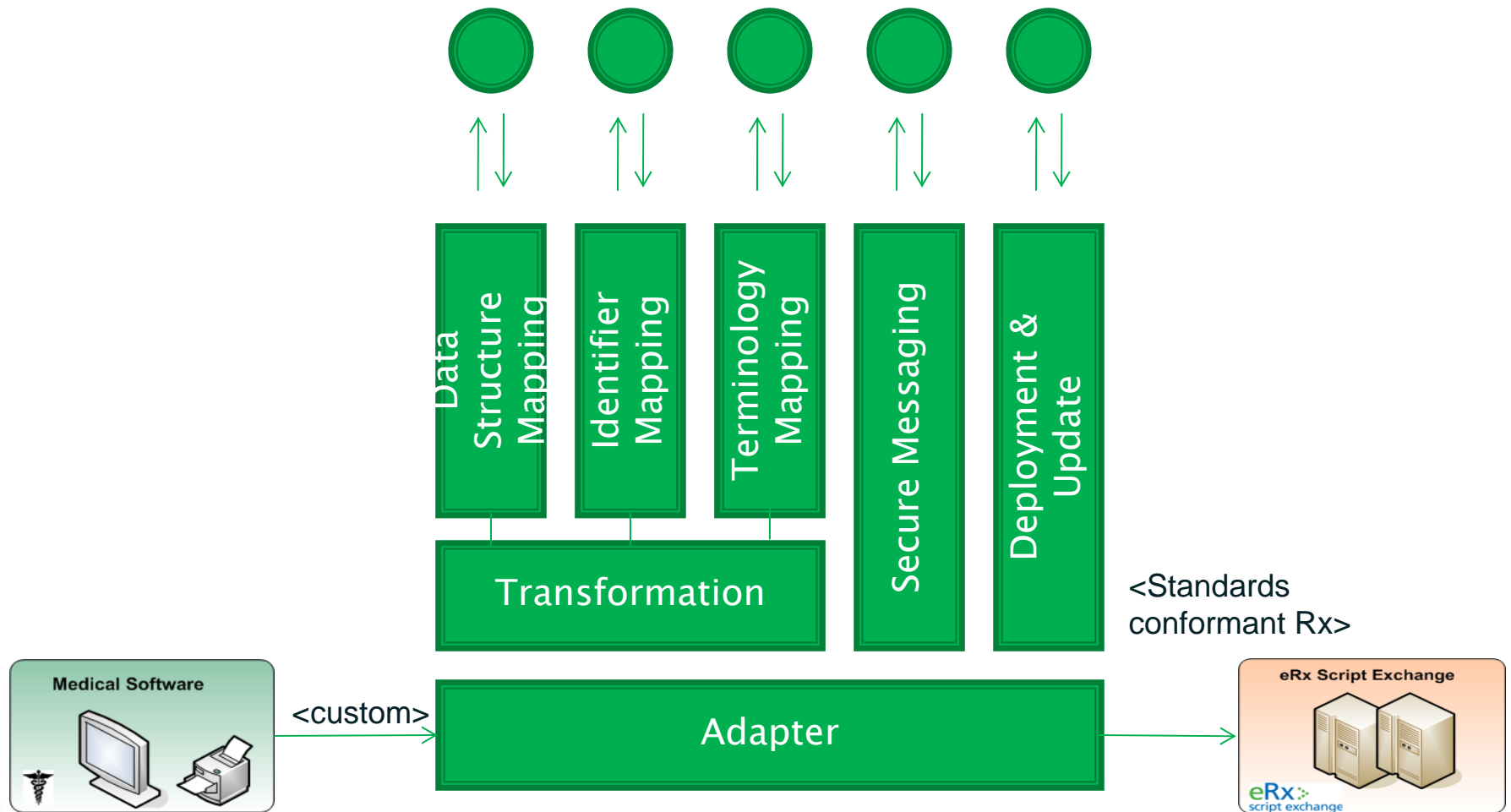eRx
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Interoperable by Design

Pharmacy Software ← `<custom>` ← **Adapter** ← `<custom eRx>` ← **eRx Script Exchange**

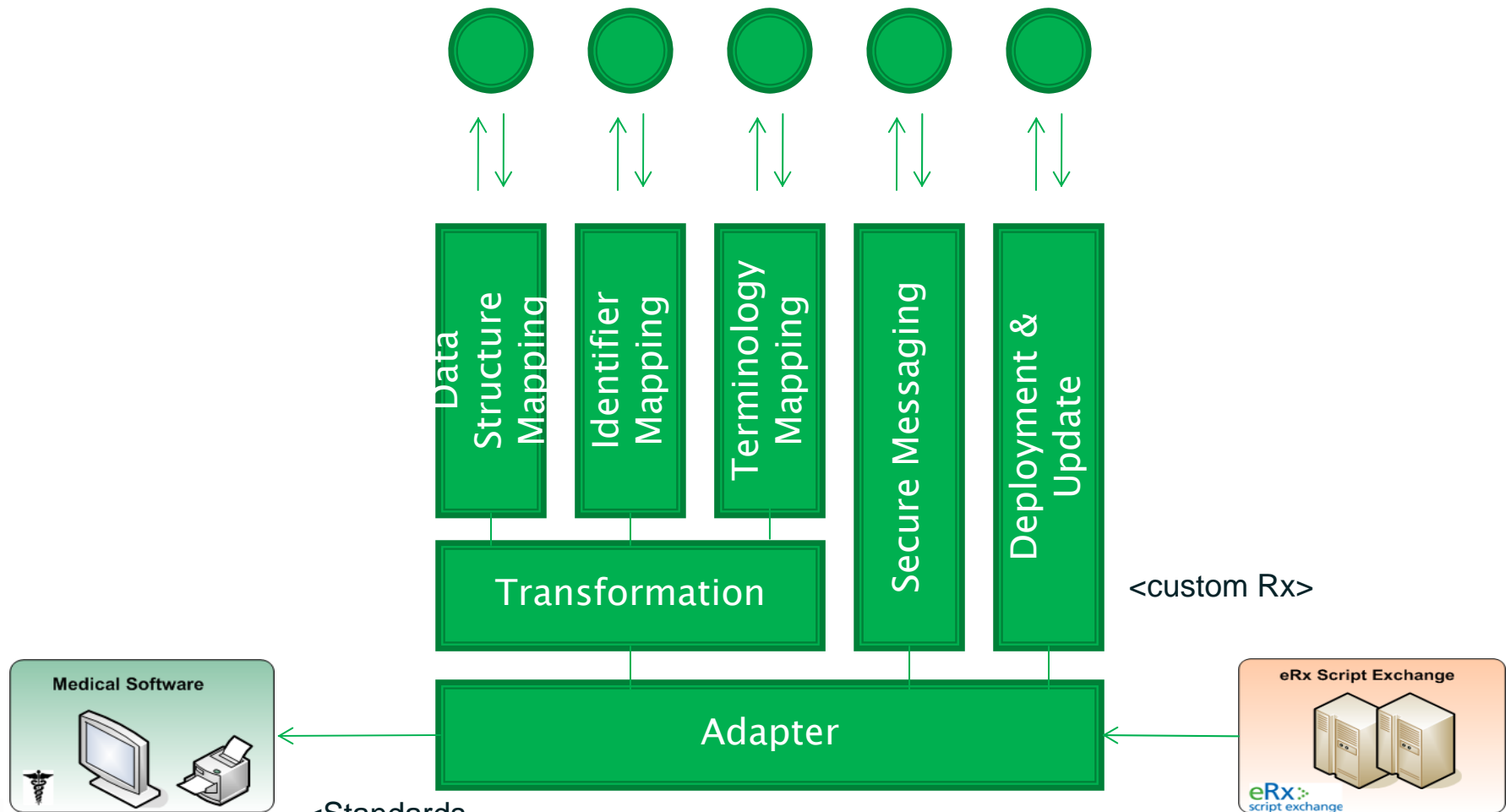**Medical Software** → `<custom>` → **Adapter** → `<custom eRx>` → **eRx Script Exchange**

What about:
- Secure messaging standards (NEHTA WSP, IT-14 security principles)
- Authentication (NASH, HeSA keys)
- Prescription & medication data standards (NEHTA medication, CDA, IT14 HL7)
- Australian Medicines Terminology (AMT)
- Identifiers (UHI & IHI)

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Interoperable by Design

Data Structure Mapping

Identifier Mapping

Terminology Mapping

Secure Messaging

Deployment & Update

Transformation

<Standards conformant Rx>

Medical Software

<custom>

Adapter

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8/21/2009

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Interoperable by Design

Data Structure Mapping

Identifier Mapping

Terminology Mapping

Secure Messaging

Deployment & Update

Transformation

Adapter

Medical Software

eRx Script Exchange

<custom Rx>

<Standards conformant Rx>

8/21/2009

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