LIBERTY ALLIANCE PROJECT

ePrescribing Scenario

Liberty's specifications can provide a standardized infrastructure of discovery as well as identity, privacy policy and message security for ePrescribing

The pharmacy learns the best address, building entrance, and other instructions for delivering the prescription using Adam's LAP-compliant Personal Profile provider.

Prescription is shipped.
Adam feels better faster.

PRESCRIPTION SHIPPED

Adam picks up prescription, directs the pharmacy separately, or the pharmacy has previously been given instructions

! Adam may have changed pharmacies

Dr. Jones submits the prescription.

ePrescription uses a DS to determine Adam's pharmacy vendor.
ePrescription submits the prescription to the appropriate pharmacy using a (different) opaque identifier for Adam.

Pharmacy needs to clarify the prescription and uses Dr. Jones's DS to find his LAP-compliant Interaction Service.
The pharmacy sends him an IM asking him to call.
The confusion is cleared up.
The prescription is filled.

TRANSMISSION OF PRESCRIPTION

Dr. Jones submits prescription to last known pharmacy

! Adam's insurance may not cover the medication prescribed

WITH LIBERTY

PATIENT IDENTIFICATION

Adam presents previously issued credentials identifying him as:
• an established patient
• an ePrescription "client"
• an enrollee of payor "InsCo"

Adam "authenticates" himself to clerical staff

PATIENT BACKGROUND

Dr. Jones has access to Adam's medical records in the office

Using Liberty services, Dr. Jones has access to components of Adam's medical records (according to permissions & authority) wherever they are located

WITHOUT LIBERTY

Dr. Jones diagnoses that Adam has a flu

DIAGNOSIS

Dr. Jones is able to use the composite EMR to determine the diagnosis with a finer granularity

Dr. Jones goes online at ePrescription, authenticates himself and selects Adam from the patient-subscriber list. ePrescription determines the allowed drugs for Adam (according to his plan) and transmits the list back to Dr. Jones

Dr. Jones goes online at ePrescription.com, authenticates himself and selects Adam from the patient-subscriber list.
He may or may not have easy access to Adam's current medications

! Adam might have medical conditions or drug allergies unknown to ePrescription.com

PRESCRIPTION

ePrescription uses Adam's Discovery Service to locate the appropriate formulary information for Adam. Having received an encrypted opaque identifier for Adam, ePrescription queries Adam's allowed drugs, then presents that list to Dr. Jones.

Dr. Jones selects the drug(s) to ensure no adverse reactions and stay within the formulary

TREATMENT

Dr. Jones accesses his practice's secure account at ePrescription.
Dr. Jones's query to ePrescription displays a list of his eligible patients.
Adam's prior consent, recorded in ePrescription's system, allows ePrescription to use Adam's LAP-compliant Discovery Service (DS) (RLS) to determine where Adam's health records are maintained.
ePrescription uses an encrypted opaque identifier for Adam to generate a query for the relevant information (eg, interaction risks based on Adam's Rx history, drug allergies).

BENEFITS

• Easy update of office medical records

• Easy access to assemble composite EMR for a more complete view of medical condition

• No need for a single unique identifier

• No need for a centralized EMR

• More knowledge can lead to a better diagnosis

• Convenient access to both current medications and any drug allergies to enable better and safer treatment decision

• Segregation of identifiers and information improves security and offers better assurance of privacy

• Dr. Jones gains limited rights to Adam's information, while never learning Adam's own identifier at ePrescription or his health plan

• Convenience of SSO and assurance of correct pharmacy