

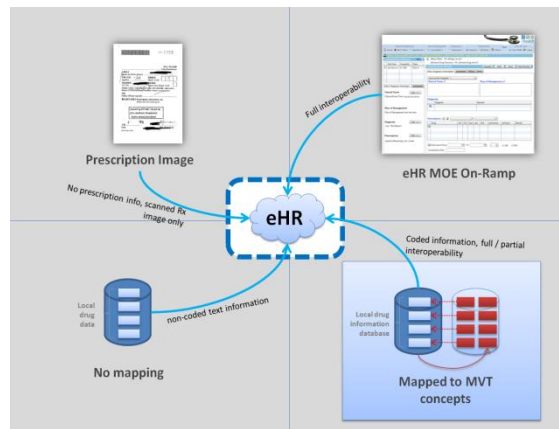
electronic health record

Preparatory work by healthcare providers

Johnny Wong

Pharmacist

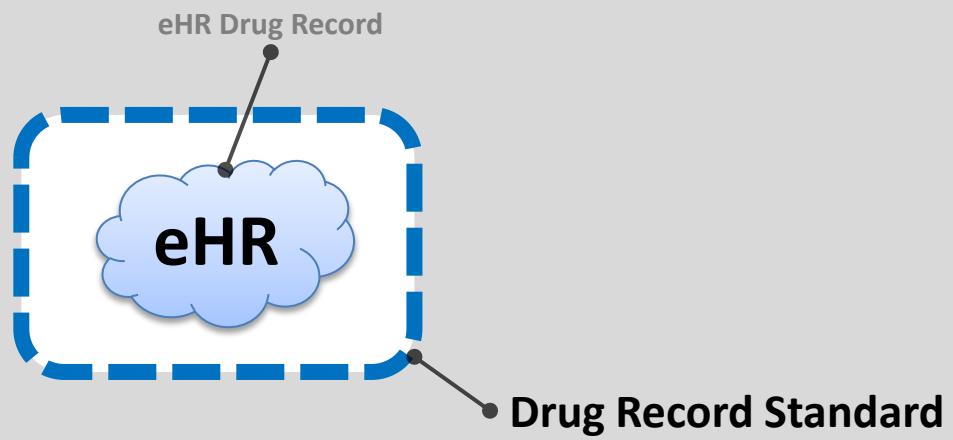
Hospital Authority



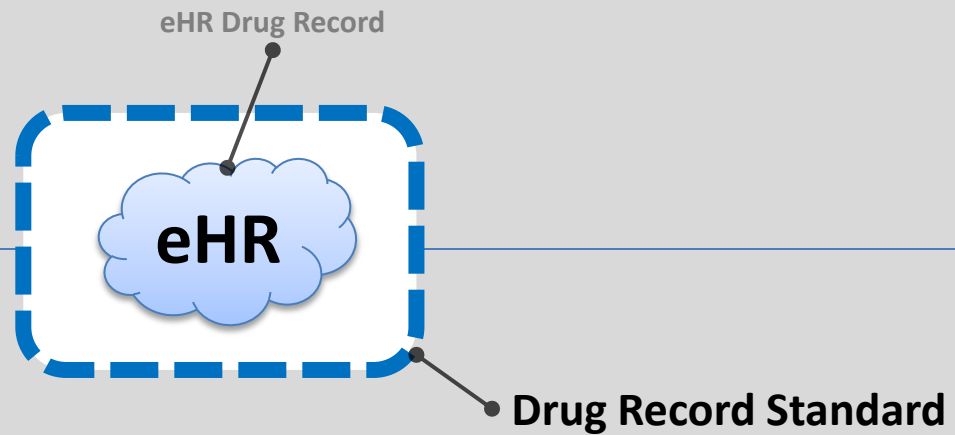
Seminar on “Sharing Drug Records in Electronic Health Record (eHR) System – What You Need to Know”

22 & 23 Nov 2010

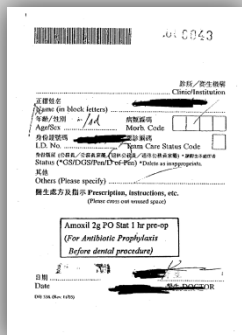
How do we prepare for eHR?



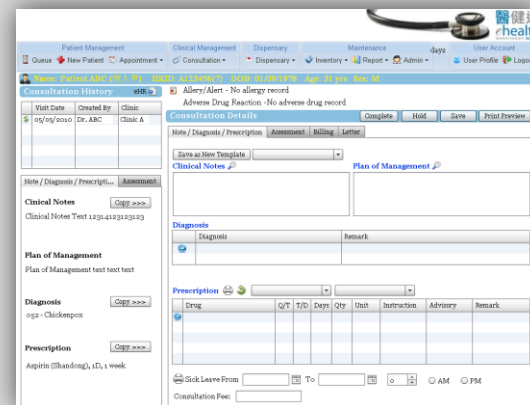
I don't have a drug database



I have a drug database



Prescription Image



eHR MOE On-Ramp

I don't have a drug database



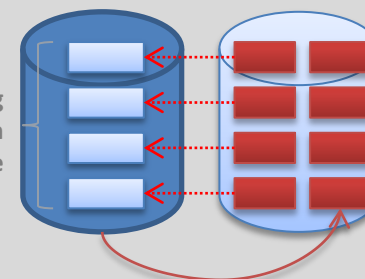
I have a drug database

Local drug data

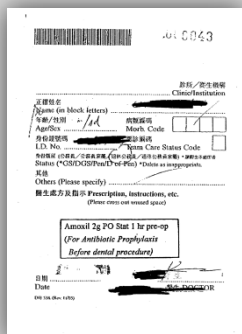


No mapping

Local drug information database

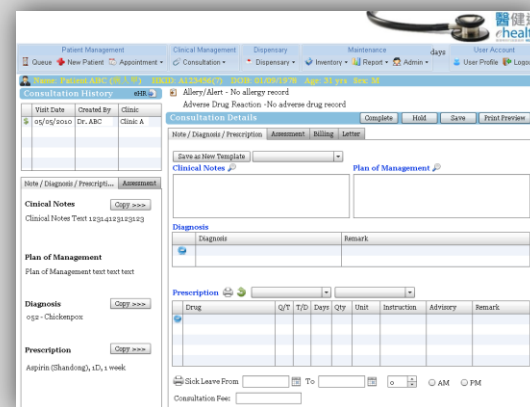


Mapped to MVT concepts



Prescription Image

No prescription info, scanned Rx image only



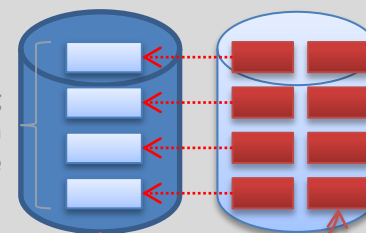
eHR MOE On-Ramp

Local drug information database

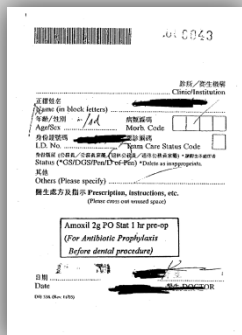


No mapping

Local drug information database

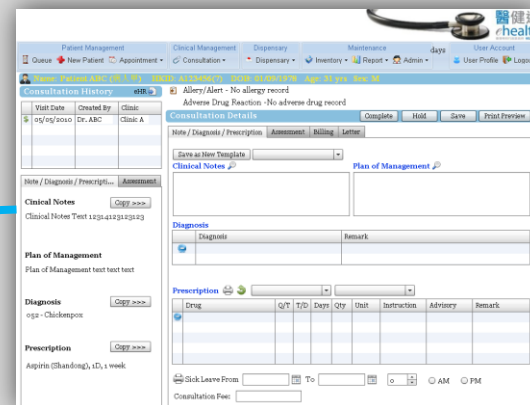


Mapped to MVT concepts



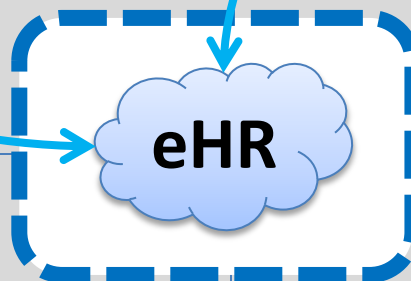
Prescription Image

No prescription info, scanned Rx image only



eHR MOE On-Ramp

Full interoperability

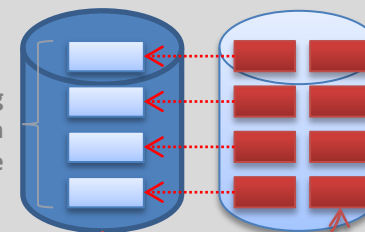


Local drug information database

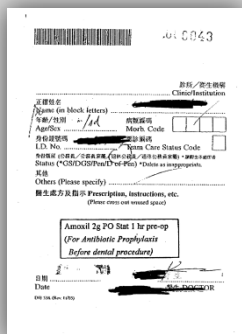


No mapping

Local drug information database

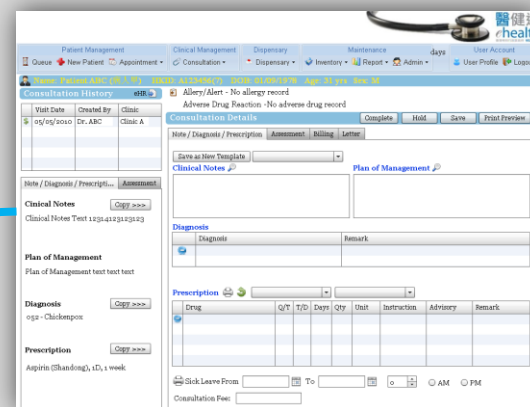


Mapped to MVT concepts



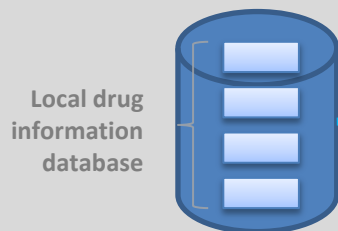
Prescription Image

No prescription info, scanned Rx image only



eHR MOE On-Ramp

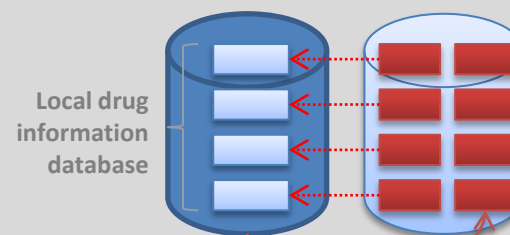
Full interoperability



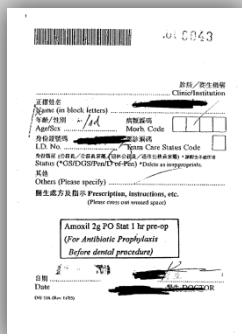
Local drug information database

No mapping

non-coded text information

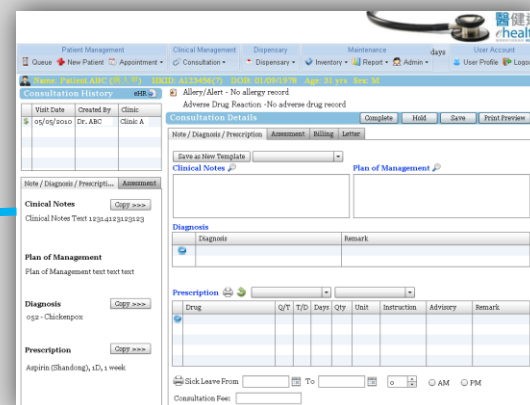


Mapped to MVT concepts



Prescription Image

No prescription info, scanned Rx image only



eHR MOE On-Ramp

Full interoperability

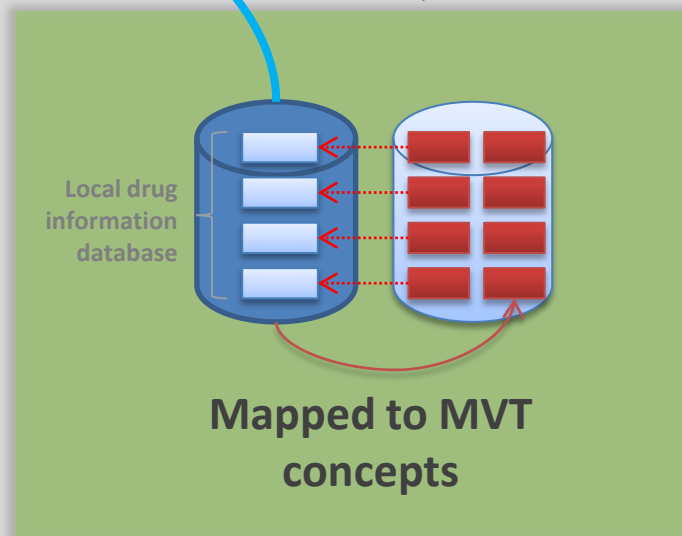


Local drug information database

non-coded text information

No mapping

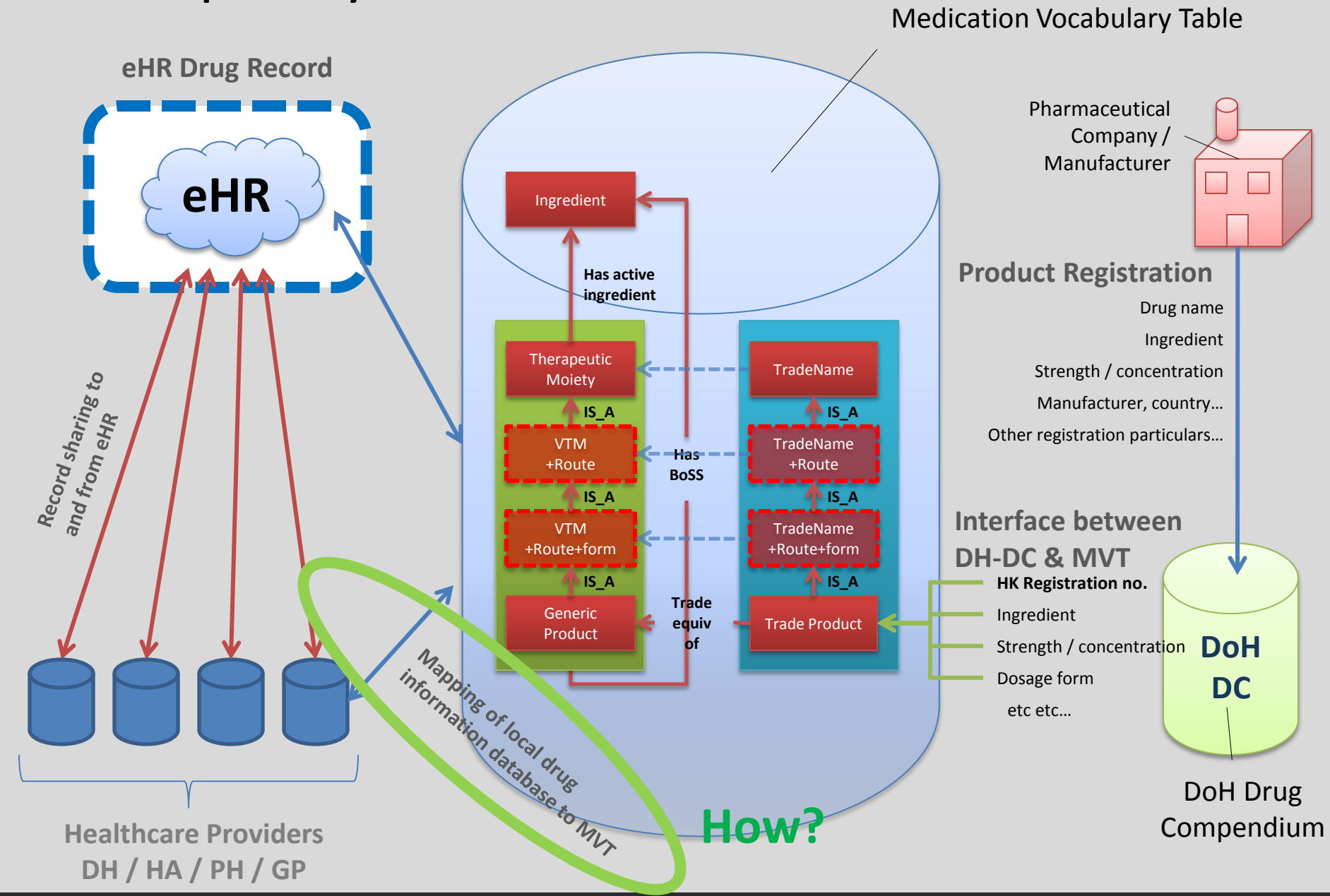
Coded information, full / partial interoperability



Mapped to MVT concepts

For participating organisations that have CPOE up-and-running, or planned to implement CPOE

Local Interoperability



Participating organisations will be need to acquire linkages to the MVT tables according to own drug data table structure. This mapping allows communication with eHR.

eHR Drug Record

Non-coded, Non-interoperable

"Diazer 5 tab"

"Diazer 5 tab" (text)

Diazer 5 tab

Healthcare Providers Drug
information database

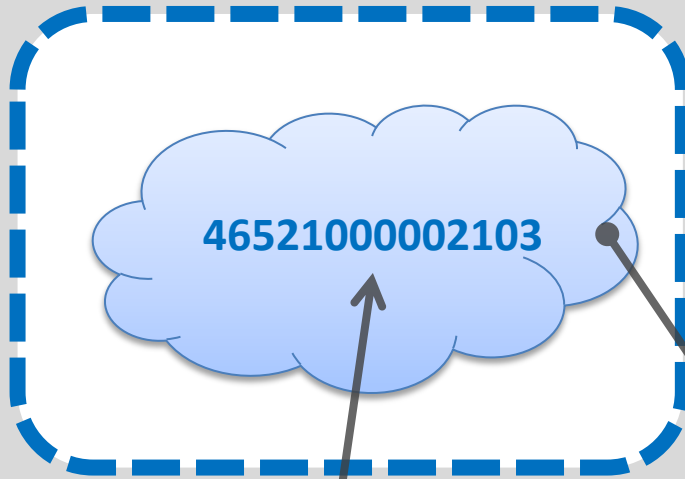
actual medicinal product

46521000002103

Diazer 5 (diazepam) oral
tablet 5 mg
HK - 50904

Medication Vocabulary Table

eHR Drug Record

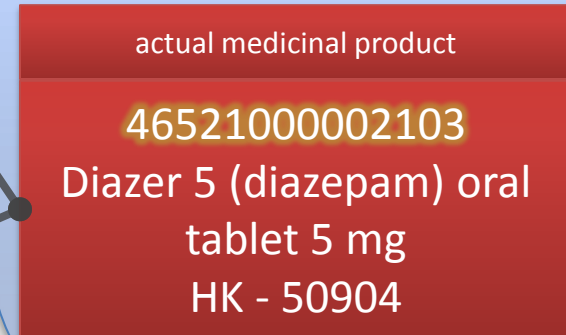


Recognises...

"46521000002103"
(MVT conceptID)



Healthcare Providers Drug
information database



Medication Vocabulary Table

eHR Drug Record

Coded, interoperable

46521000002103
Diazer 5 (diazepam) oral
tablet 5 mg

Recognises...

"46521000002103"
(MVT conceptID)

mapping

actual medicinal product

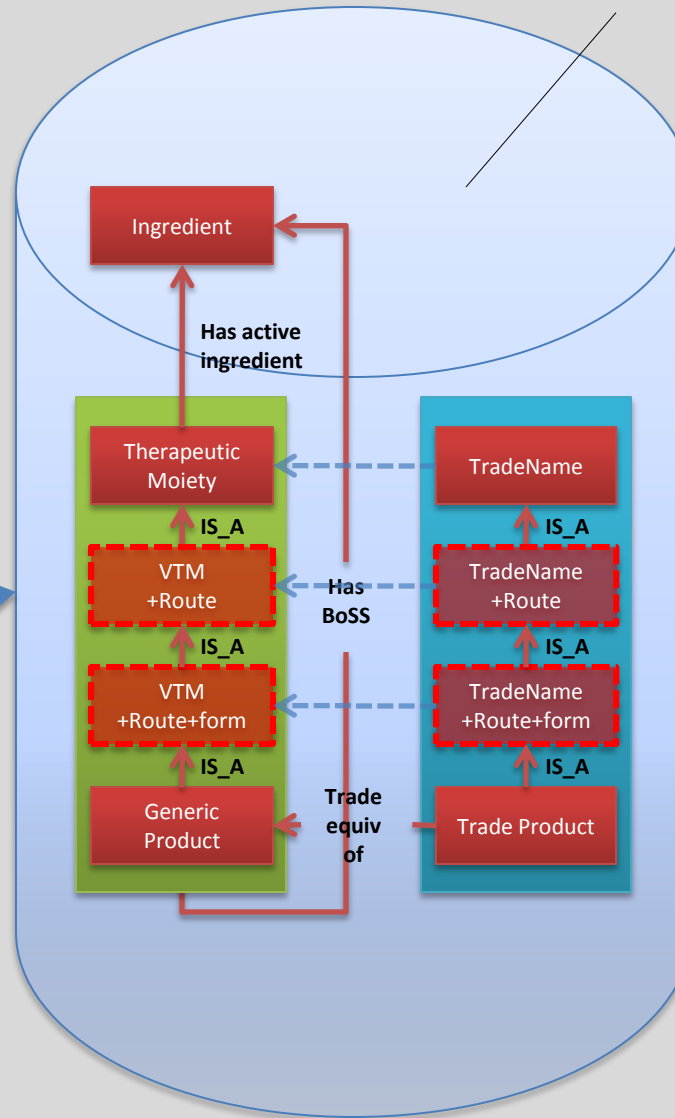
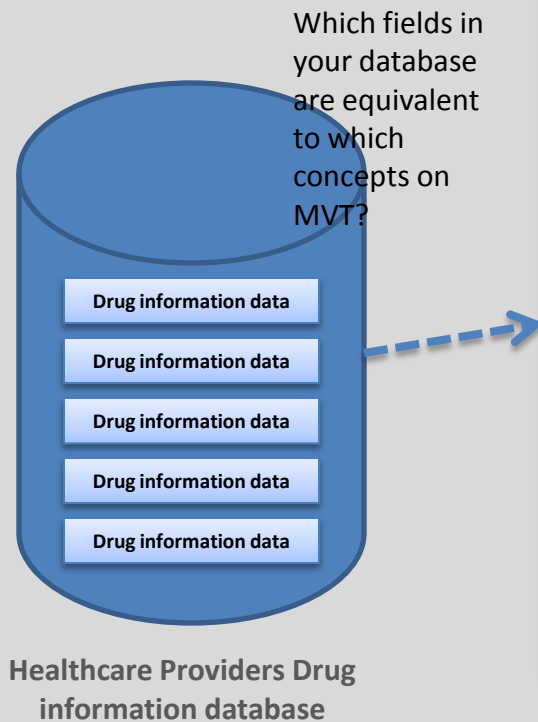
46521000002103
Diazer 5 (diazepam) oral
tablet 5 mg
HK - 50904

Medication Vocabulary Table

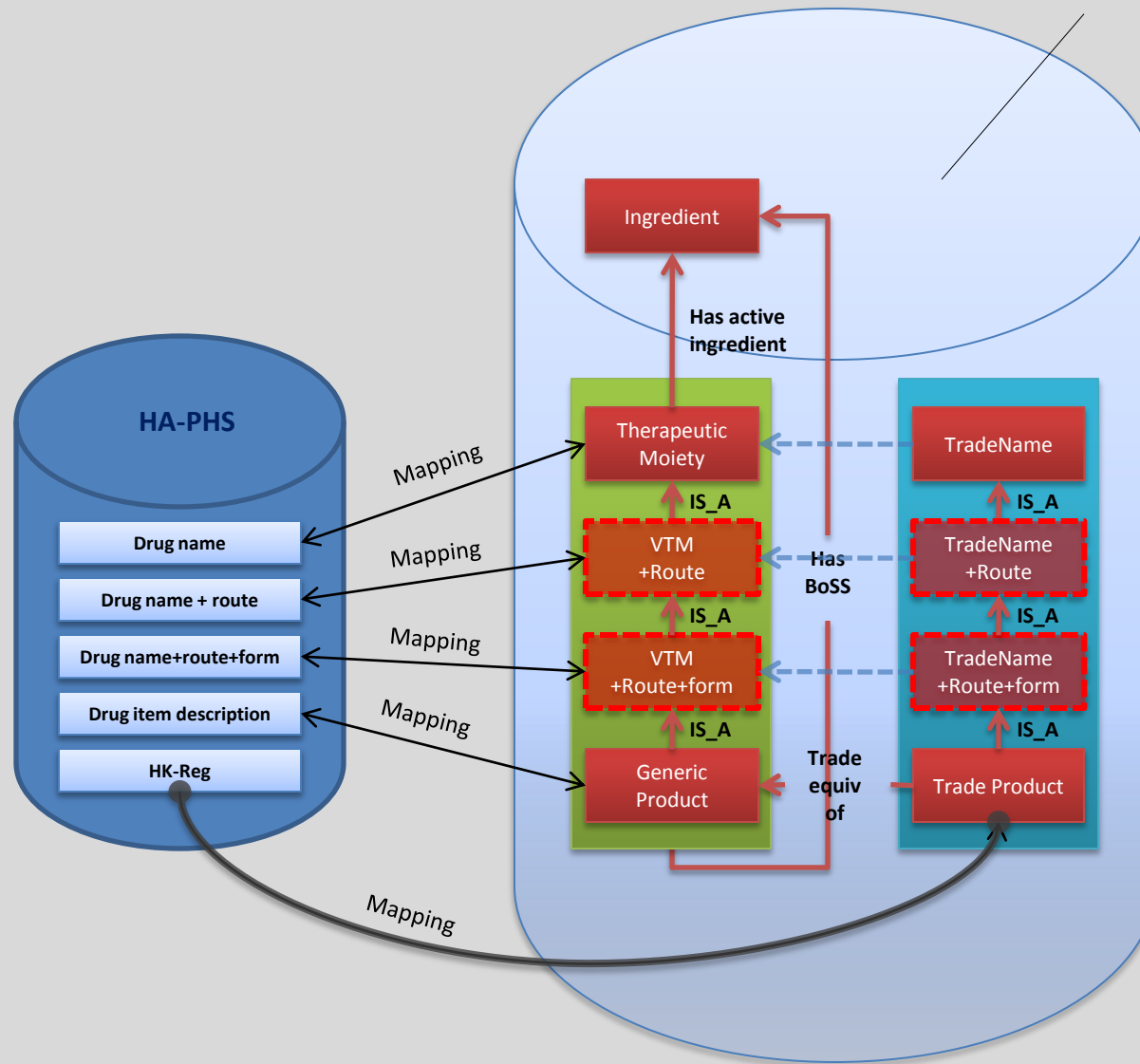
Healthcare Providers Drug
information database

Medication Vocabulary Table

1. Know the MVT concepts
2. Identify equivalent data concepts within your drug information database

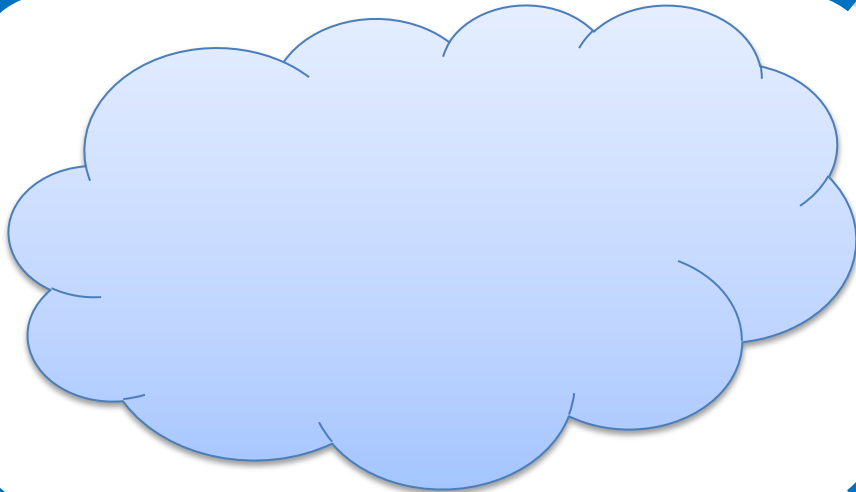


Medication Vocabulary Table

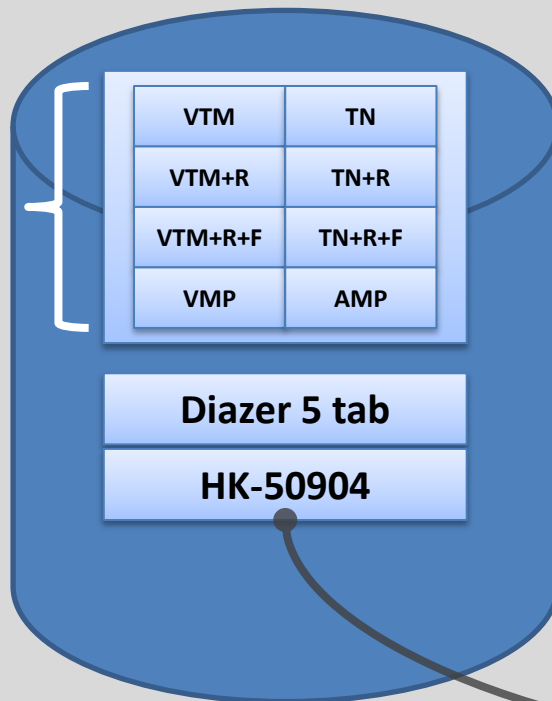


1. Know the MVT concepts
2. Identify equivalent data concepts within your drug information database
3. Define and map local data fields with equivalent MVT concepts (acquire ConceptID and match with local data)
4. HK-Registration no. as springboard!

eHR Drug Record

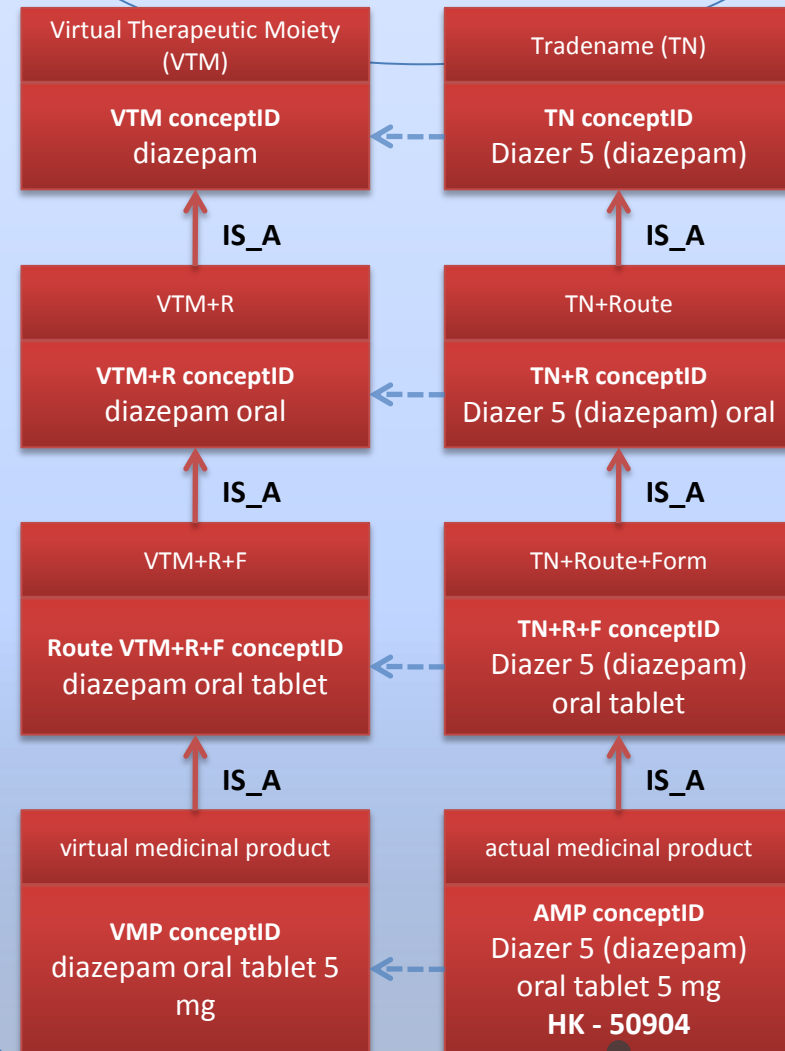


MVT
conceptIDs
acquired
via HK-Reg



Healthcare Providers Drug
information database

Medication Vocabulary Table



mapping

eHR Drug Record

Patient is
allergic to
"diazepam"

MVT
conceptIDs
acquired
via HK-Reg

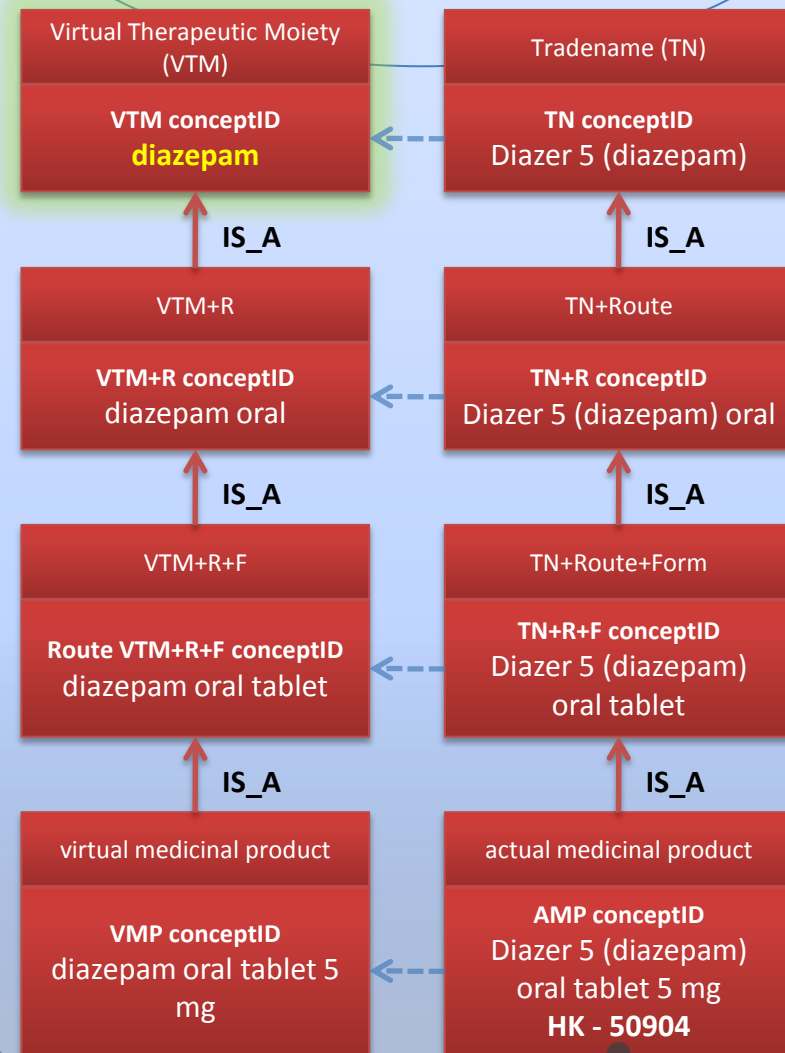
VTM	TN
VTM+R	TN+R
VTM+R+F	TN+R+F
VMP	AMP

Diazer 5 tab

HK-50904

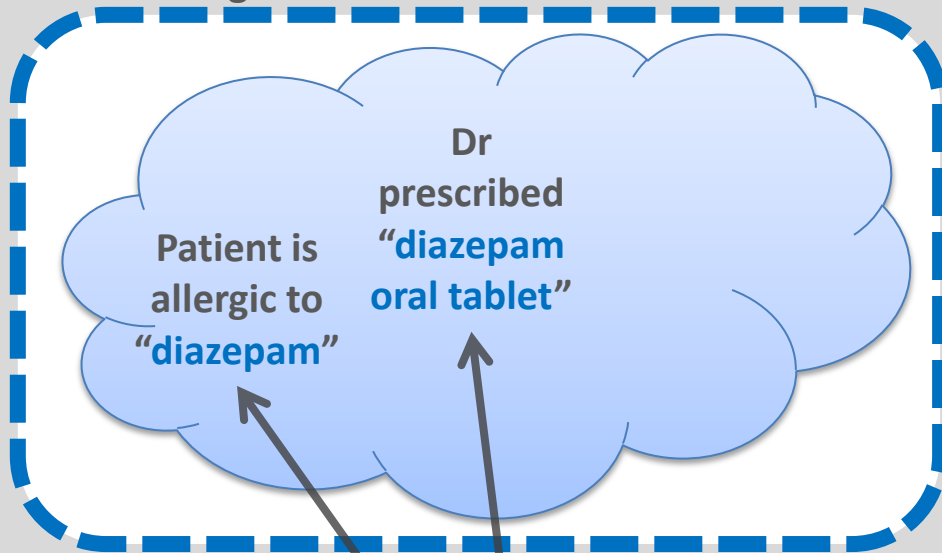
Healthcare Providers Drug
information database

Medication Vocabulary Table

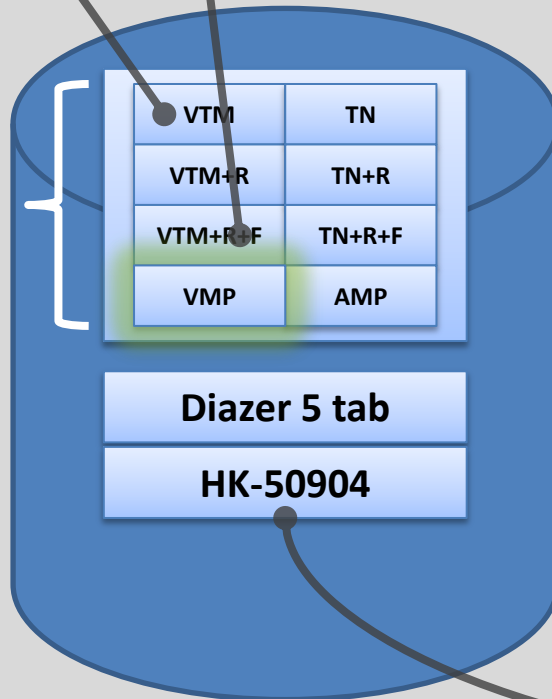


mapping

eHR Drug Record

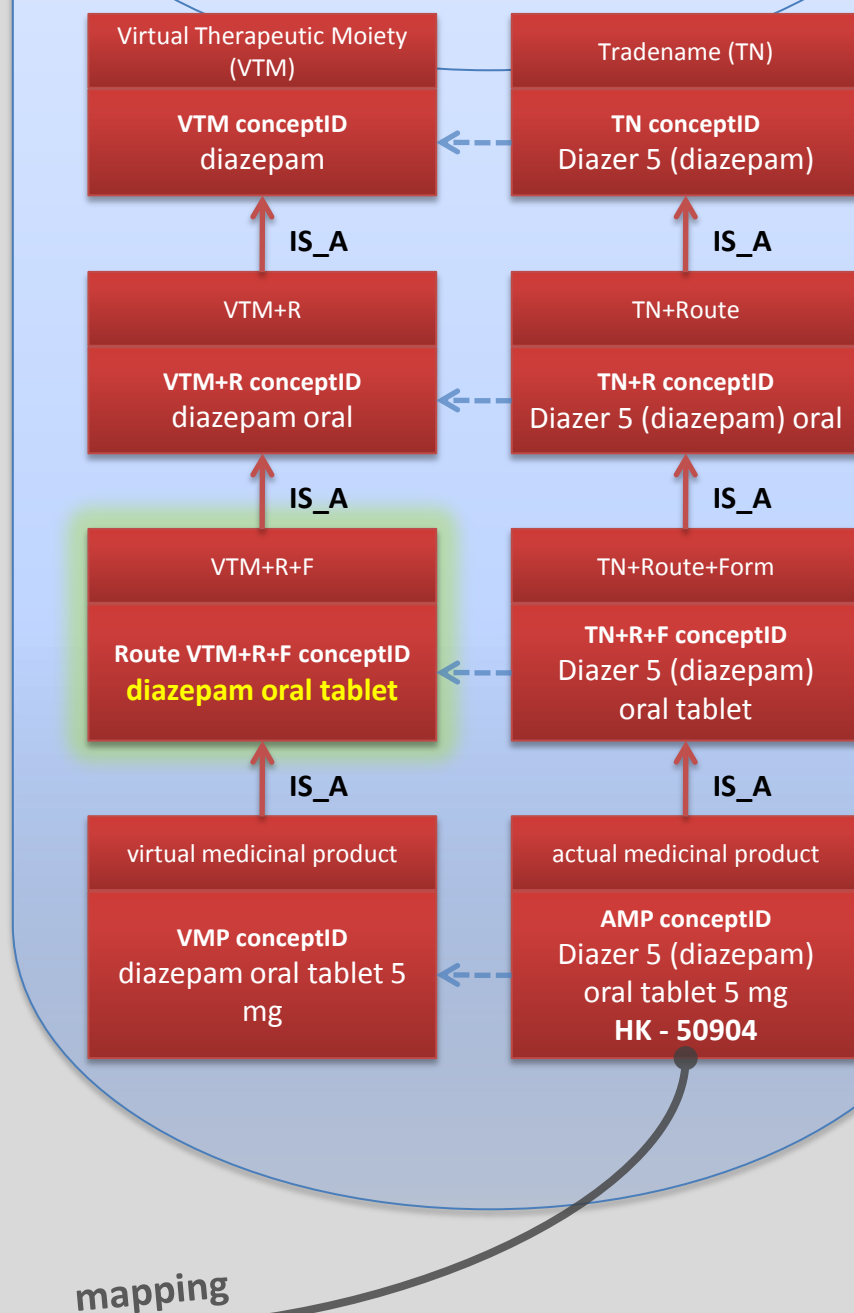


MVT
conceptIDs
acquired
via HK-Reg

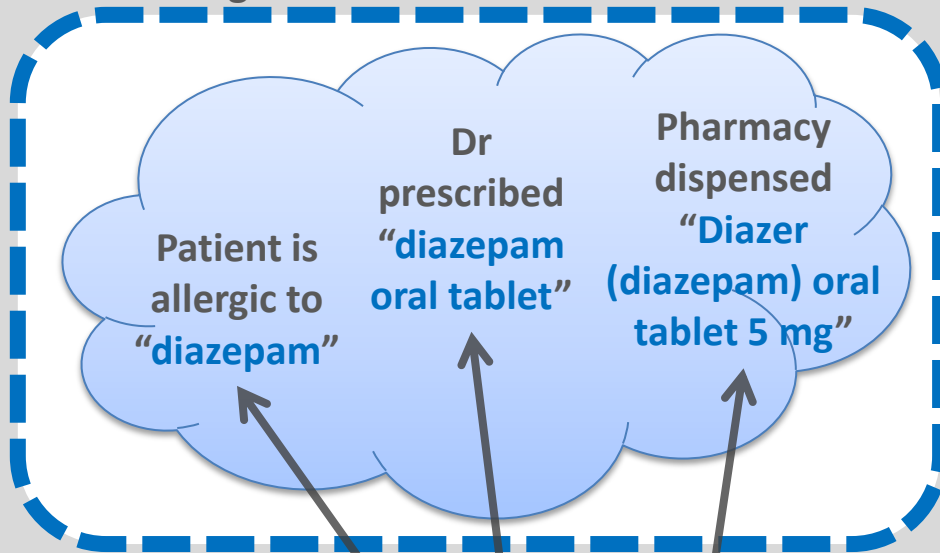


Healthcare Providers Drug
information database

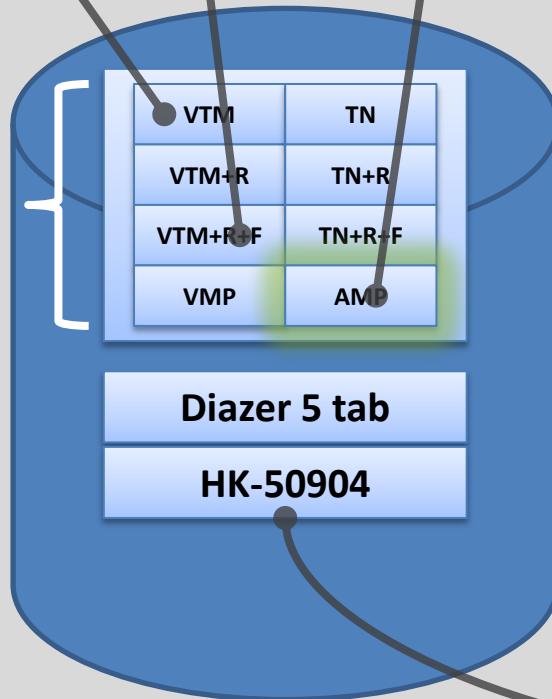
Medication Vocabulary Table



eHR Drug Record

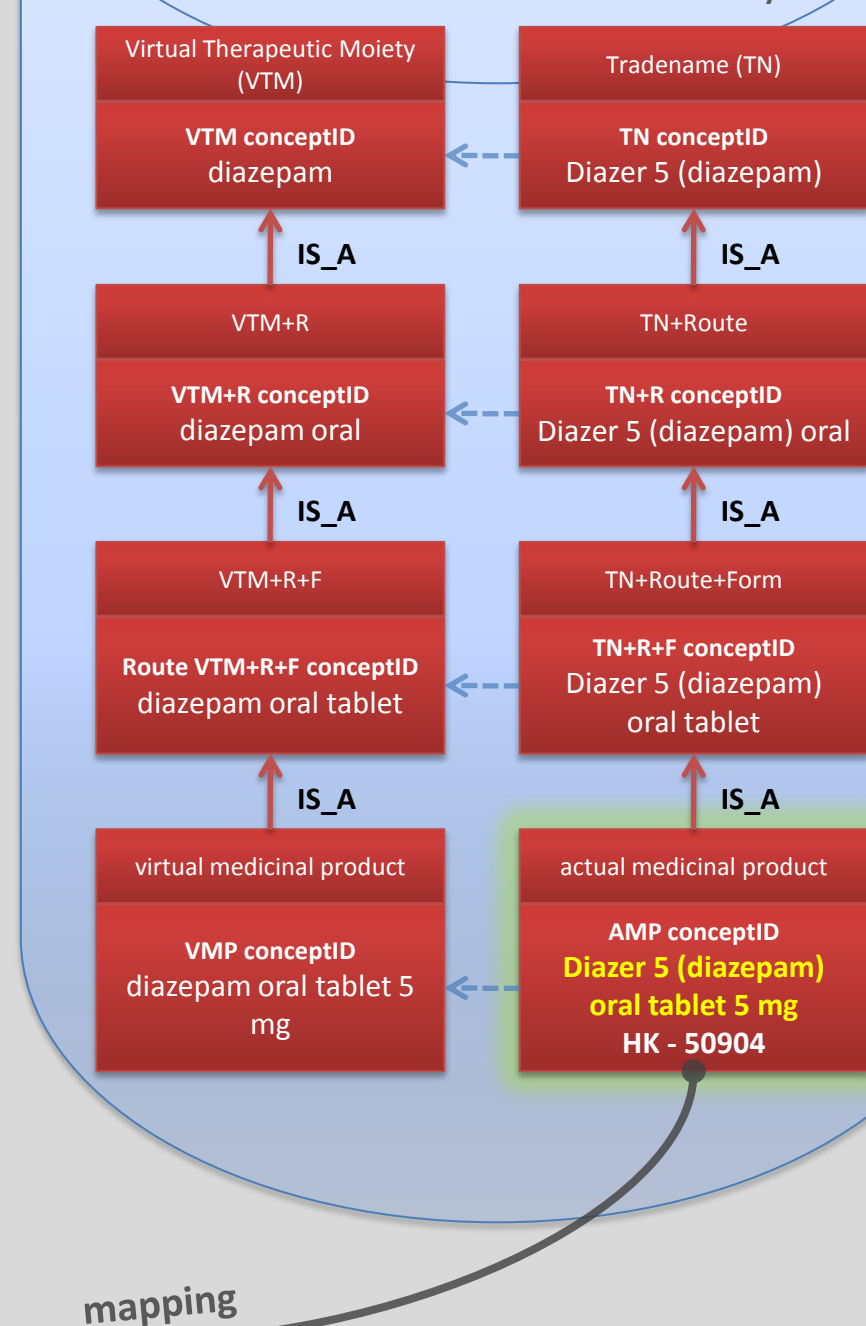


MVT
conceptIDs
acquired
via HK-Reg



Healthcare Providers Drug
information database

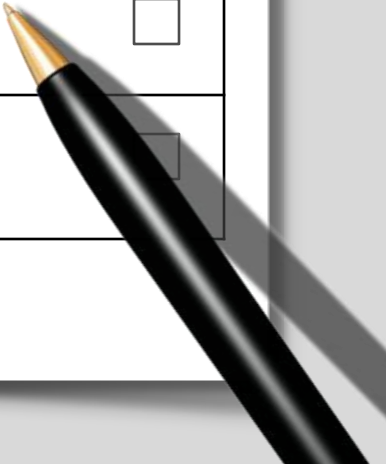
Medication Vocabulary Table



“What do I need to do now?”

Prepare for eHR : Checklist for the first step

1	Identify local stakeholder(s)	☐
2	Review the current state of the drug database supporting the CPOE	☐
3	Assess interoperability of your drug database	☐
4	Database revamp and data preparation where necessary	☐
5	Get the latest news on the development of eHR	☐



Please complete the
Reply Form

Thank you

Reply Form

Seminar on 'Sharing drug records in eHR system-what you need to know' (22nd and 23rd November 2010)

To provide us a better understanding on the preferences of drug record sharing in your hospital/ organization, we would be grateful if you could complete this form and return it to us either by fax: 2515 1645 (Attn: Ms. Connie Lau) or email: lsn310a@ha.org.hk.

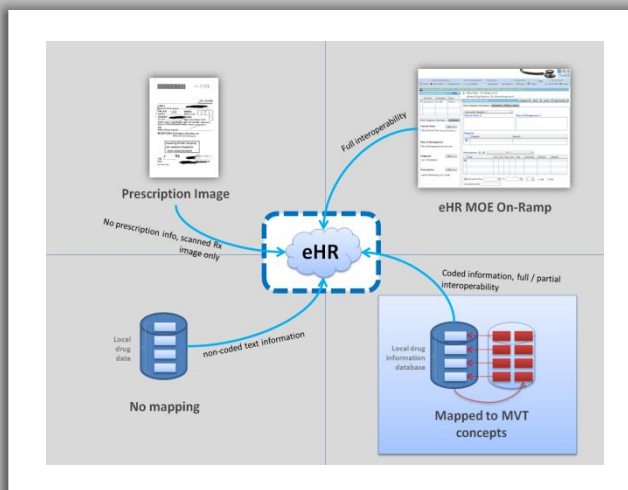
Name: _____ Position: _____

Organization: _____

Email: _____ Tel: _____

1. Is your hospital/ organization using any electronic system for prescribing and/or dispensing?
☐ Yes, both prescribing and dispensing
☐ Yes, prescribing only
☐ Yes, dispensing only
☐ No, we are not using any electronic system at present
} <Please go to question 3>
2. Is your hospital/ organization planning to implement electronic prescribing and/or dispensing system in the next 2 years?
☐ Yes, both prescribing and dispensing
☐ Yes, prescribing only
☐ Yes, dispensing only
☐ No <Please go to question 5>
3. Would the Hong Kong Registration Number be recorded in your drug database?
☐ Yes ☐ No
4. Would your hospital/ organization map your drug table to eHR standard drug table (i.e. HKMVT)?
☐ Yes ☐ No
5. Would your hospital/ organization be interested to share the drug record to eHR?
☐ Yes ☐ No <Please go to question 7>
6. How would your hospital/ organization like to share the drug record to eHR?
☐ By using electronic prescription/ dispensing records
☐ By using scanned prescription records
☐ Others (Please specify : _____)
7. Any comments or suggestions you would like to make for the drug record sharing?


~~~~~ End of questionnaire ~~~~~  
Thank you for your valuable feedback.



electronic health record

# Preparatory work by healthcare providers

**Thank you**

Seminar on “Sharing Drug Records in Electronic Health Record (eHR) System – What You Need to Know”  
22 & 23 Nov 2010