

# Application of the OHDSI CDM on Korean Healthcare System

October, 20 2015

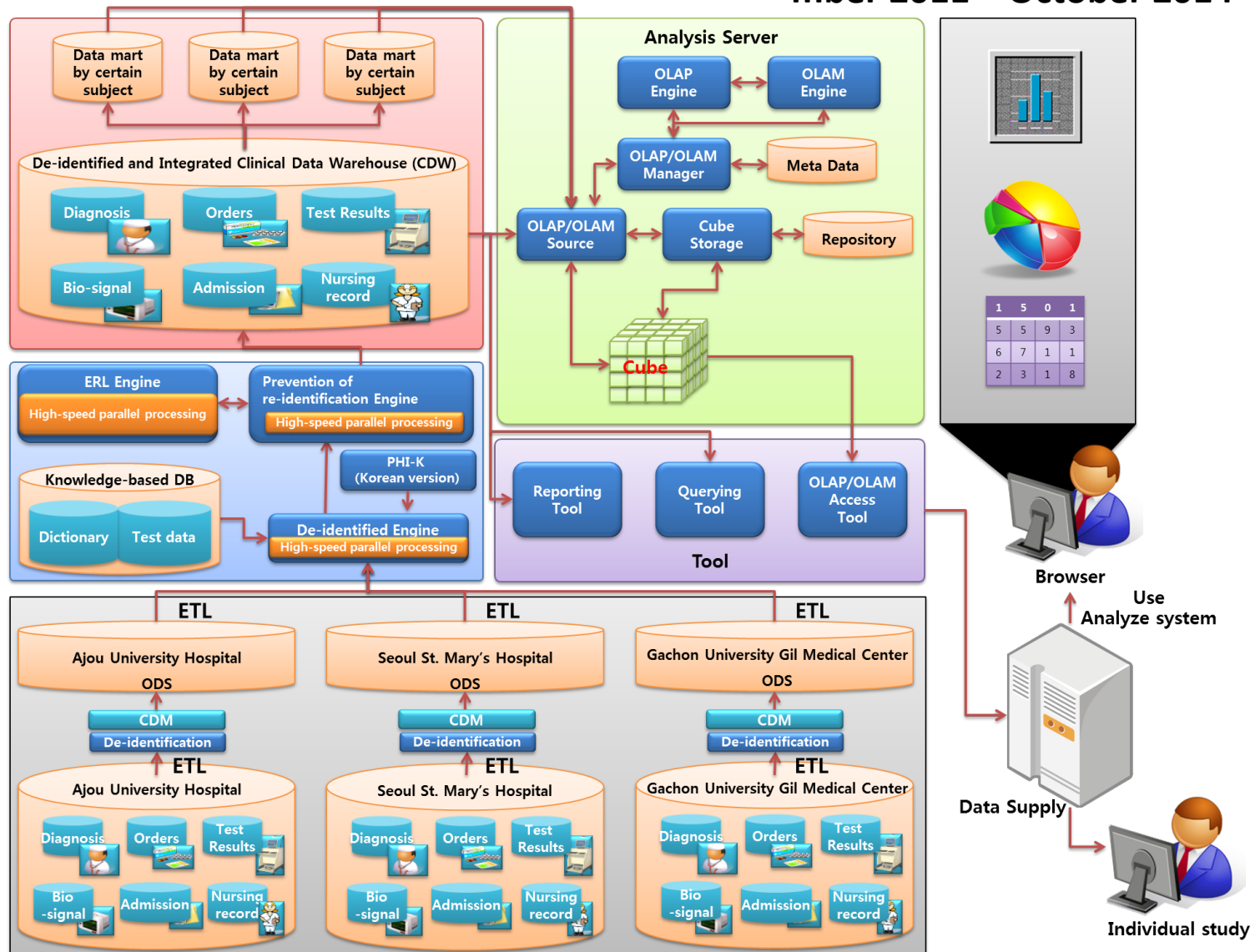
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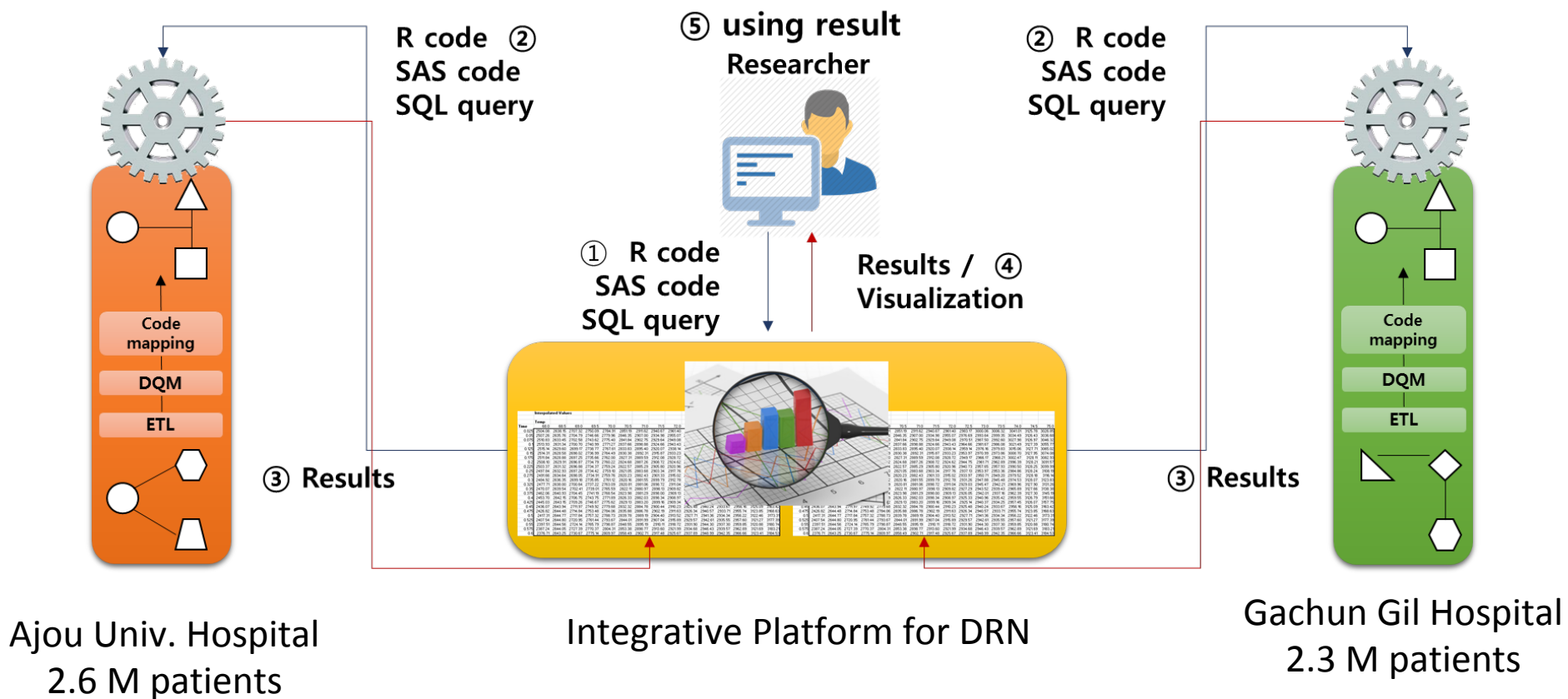
# Construction of a de-identified and integrated clinical data warehouse and analysis system

Just finished 3-year project, December 2011 – October 2014



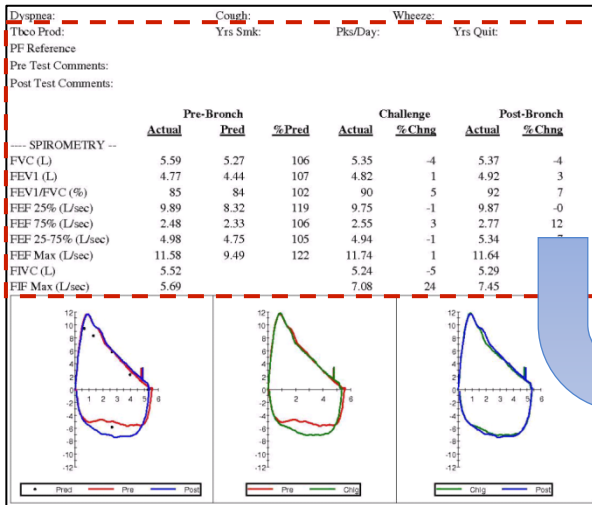
# Development of an open-innovative clinical data visualization and analysis service based on OHDSI

Just launched, 3-year project,  
December 2014 – October 2017



# Outcome database construction

## 1. Paper reports



**OCR** from free-text medical recording

\*OCR: Optical Character Recognition

Dyspnea:	Cough:	Wheeze:			
Tbco Prod:	Yrs Smk:	Pks/Day:			
PF Reference	Pre Test Comments:				
Post Test Comments:					
Pre-Bronch	Challenge		Post-Bronch		
Actual	Pred	%Pred	Actual	%Chng	Actual
- SPIROMETRY -					
FVC(L)	4.63	5.20	89	3.97	-14
FEV1(L)	4.19	4.39	95	3.25	-22
FEV1/FVC (%)	90		84	108	82
FEF 25% (L/sec)	8.67		8.90	97	6.79
FEF 75% (L/sec)	2.90		2.45	118	0.50
FEF 25-75% (L/sec)	5.67		4.72	120	
FEF Max (L/sec)	10.69		9.41	114	8.66
FIVC (L)	4.44		4.15	-7	4.66
FIF Max (L/sec)	8.46		4.94	-42	6.21

## 3. Digitalized data (lab, med. etc.)

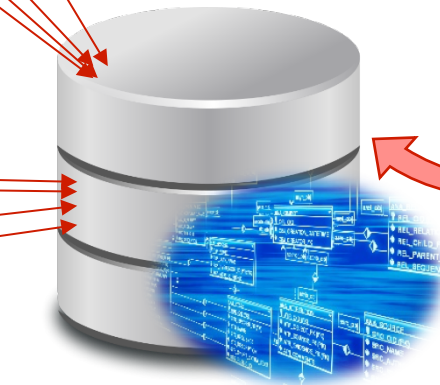


## 2. Recordings in free-text format

PCI

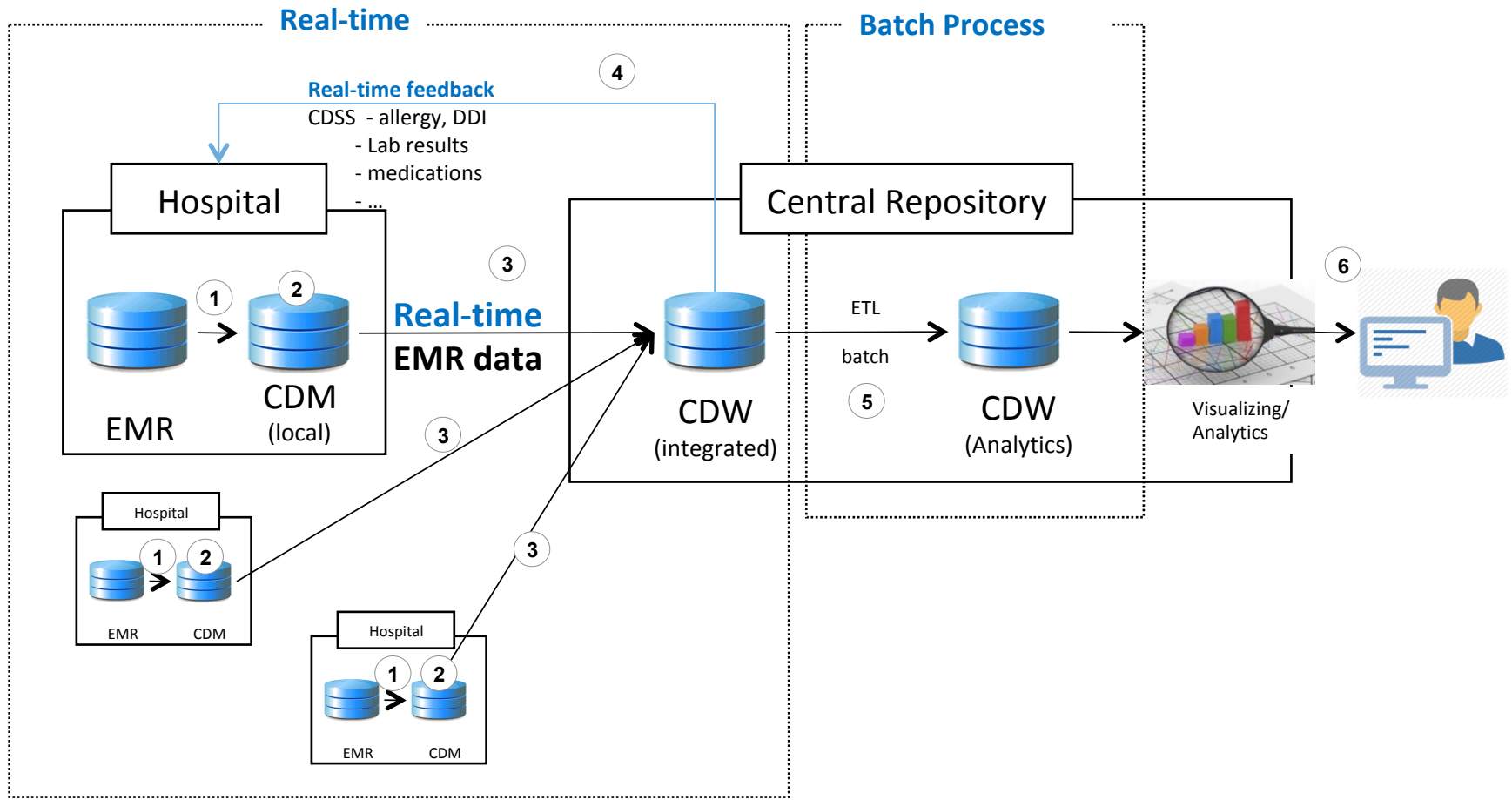
- EBU 7/3.5F, XB 6/3.5 guiding catheters were used.
- One stage PCI was performed.
- PCI Descriptions
  - mRCA: predilation with Genoss 2.5/20 mm(16 atm)
    - > Endeavor 3.0/38mm (18 atm)
    - > HP with Pow Lacrosse 3.0/15mm (20atm)
  - No reflow developed after PTCA with stent at RCA
    - > ST elevation & bradycardia
    - > intracoronary adenosine, NTG 투여
    - > IV atropine 0.5mg IV & temporary pacemaker insertion
  - dRCA~PLV: PTCA with Genoss 2.5/20 mm(12 atm)
  - dRCA to PDA: PTCA with Genoss
  - Kissing balloon : PLV : Pow Lacrosse 3.0/15 mm(12 atm)

**Parsing**



**Outcome database**

# National Infrastructure for Clinical Data Sharing and Secondary Use



# National Infrastructure for Clinical Data Sharing and Secondary Use

