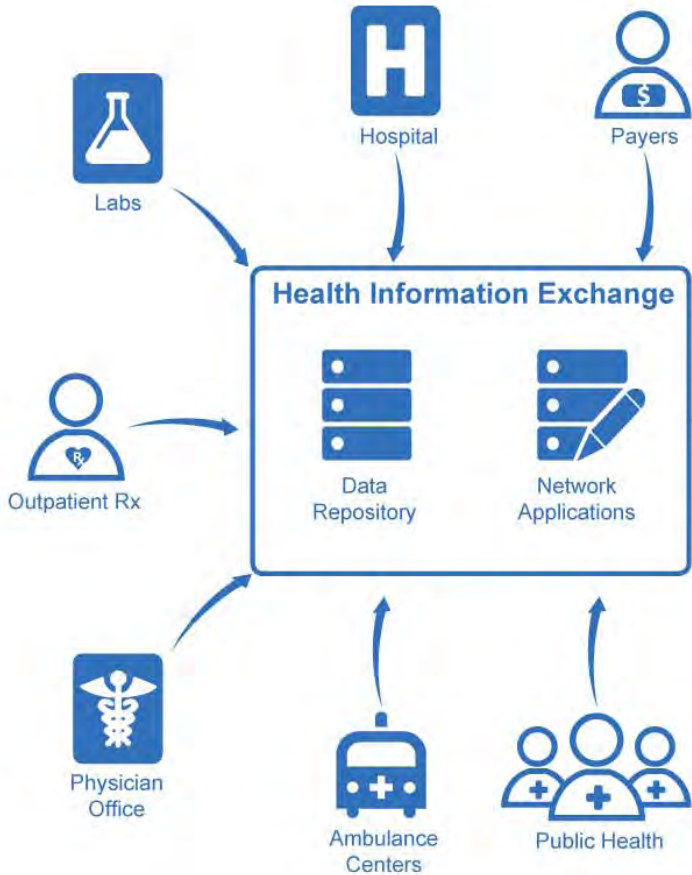
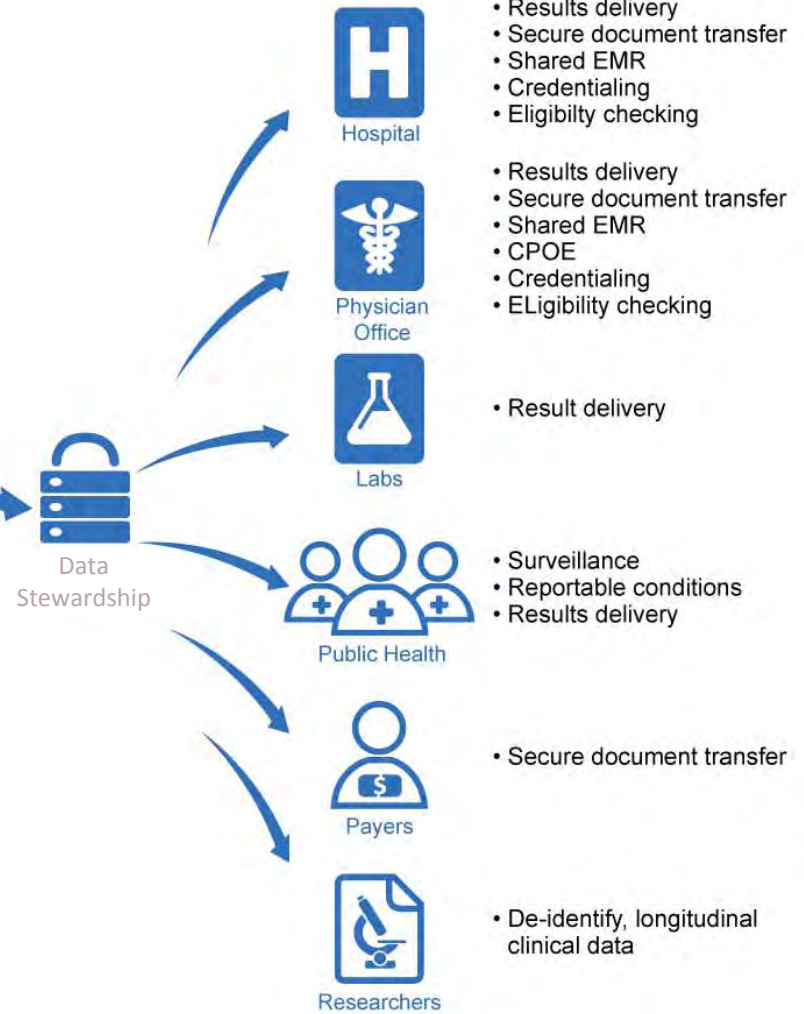


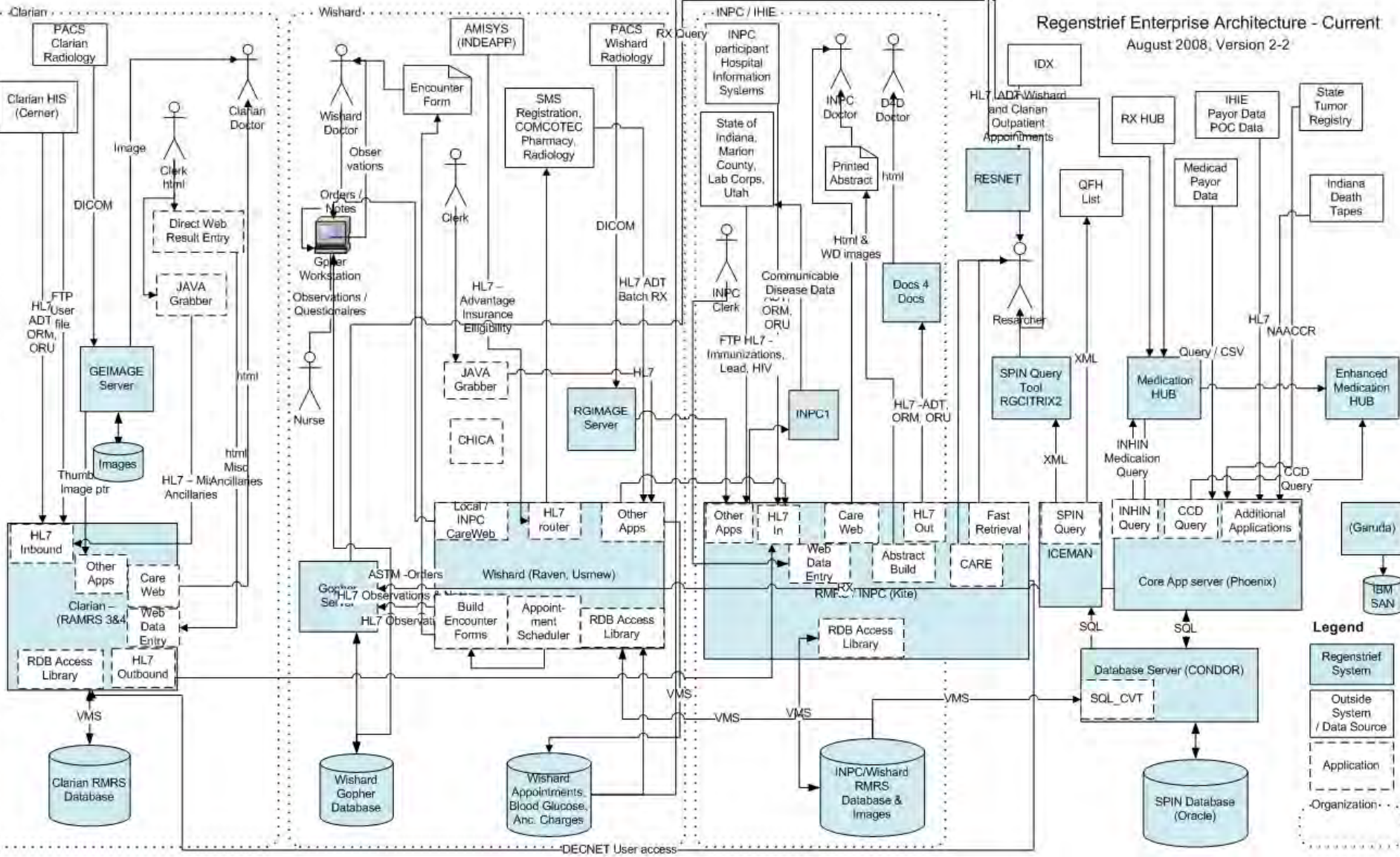
Data Management



Data Access and Use



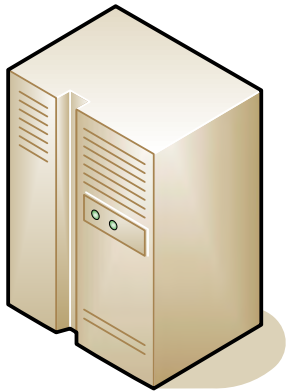
Regenstrief Enterprise Architecture - Current
August 2008, Version 2-2



Silos of Information



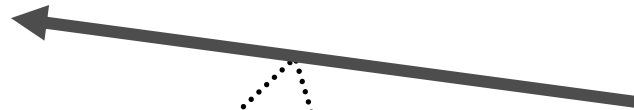
Public Health
Clinic



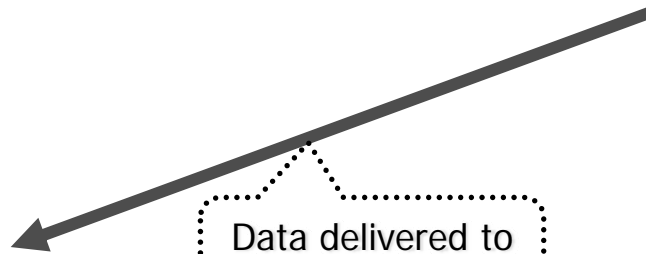
Electronic Medical
Record System



Jane Receives Care and other
care (measurements, labs,
diagnoses, etc) @ Clinical
Practice



Data delivered to
PH registry



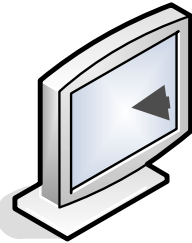
Data delivered to
EMR



Silos of Information



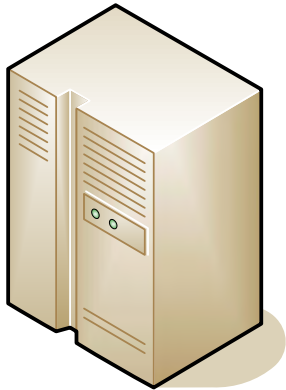
Public Health
Clinic



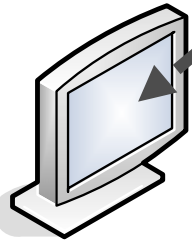
PH Registry
Web Interface



??????????????



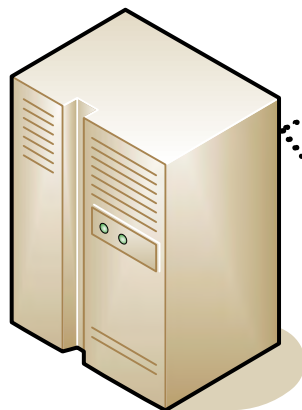
Electronic Medical
Record System



EMR Interface



Consolidating the Silos

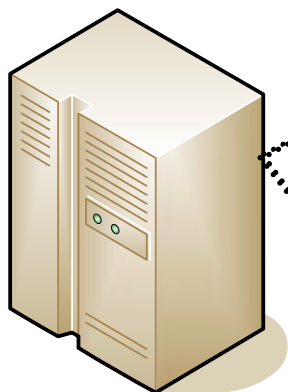


Public Health
Clinic

Jane Doe's Immunizations:

3/1/04	DipTetaPur	30936-9
3/1/04	HemInfB	30938-5
3/1/04	PolioVir	33555-4
3/1/04	HepaB	30937-7

DTaP Dose Count:	30936-9
HIB Dose Count:	30938-5
IPV Dose Count:	33555-4
VZV Dose Count:	30943-5
MMR Dose Count:	30940-1
HepB Dose Count:	30937-7



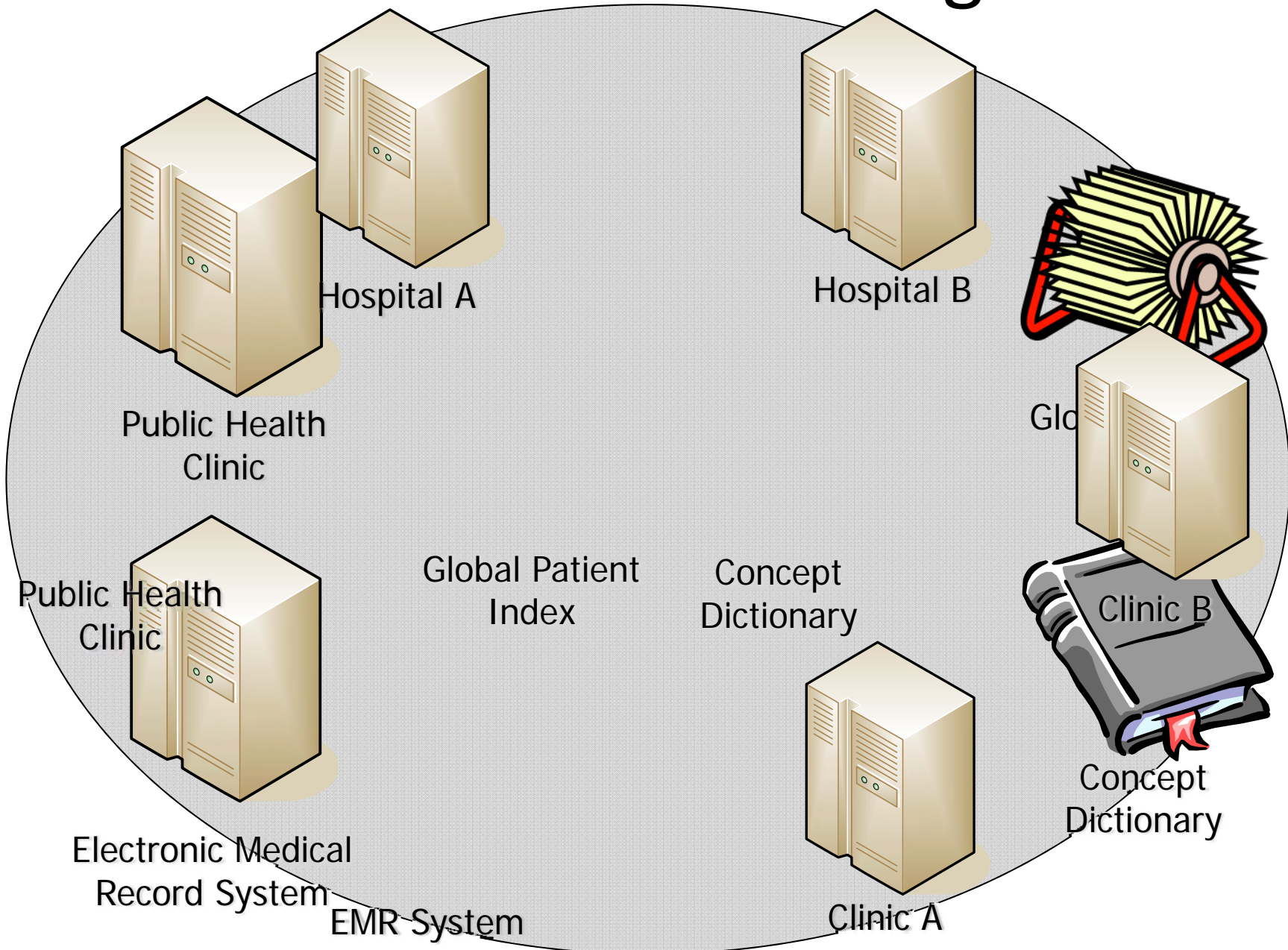
Electronic Medical
Record System

Jane Ellen Doe's Shots:

5/1/04	DTaP Imm	30936-9
5/1/04	HIB Imm	30938-5
5/1/04	IPV Imm	33555-4
7/9/04	DTaP Imm	30936-9
7/9/04	IPV Imm	33555-4

Global ID:	456789012
Name:	Jane Ellen Doe
Lots of Demographics...	
MRF1 ID:	OU81247
MRF2 ID:	4564356
PH MRF ID:	123LMNOP
MRF3 ID:	6789XYZ

The Indiana Network for Patient Care



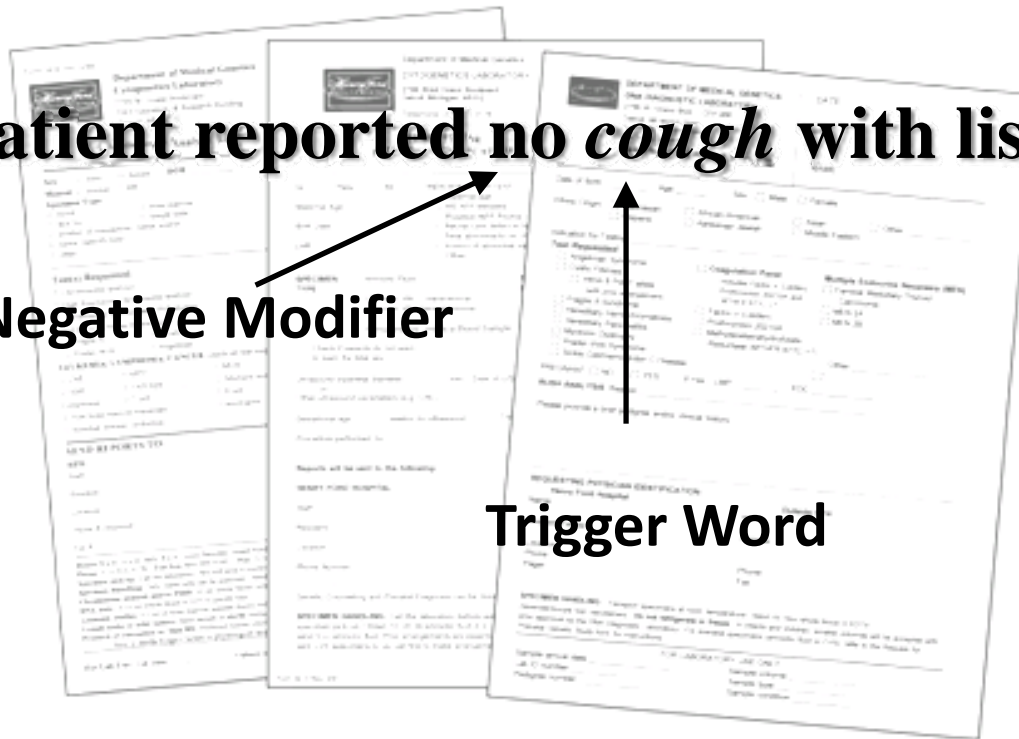
Problems with Keywords

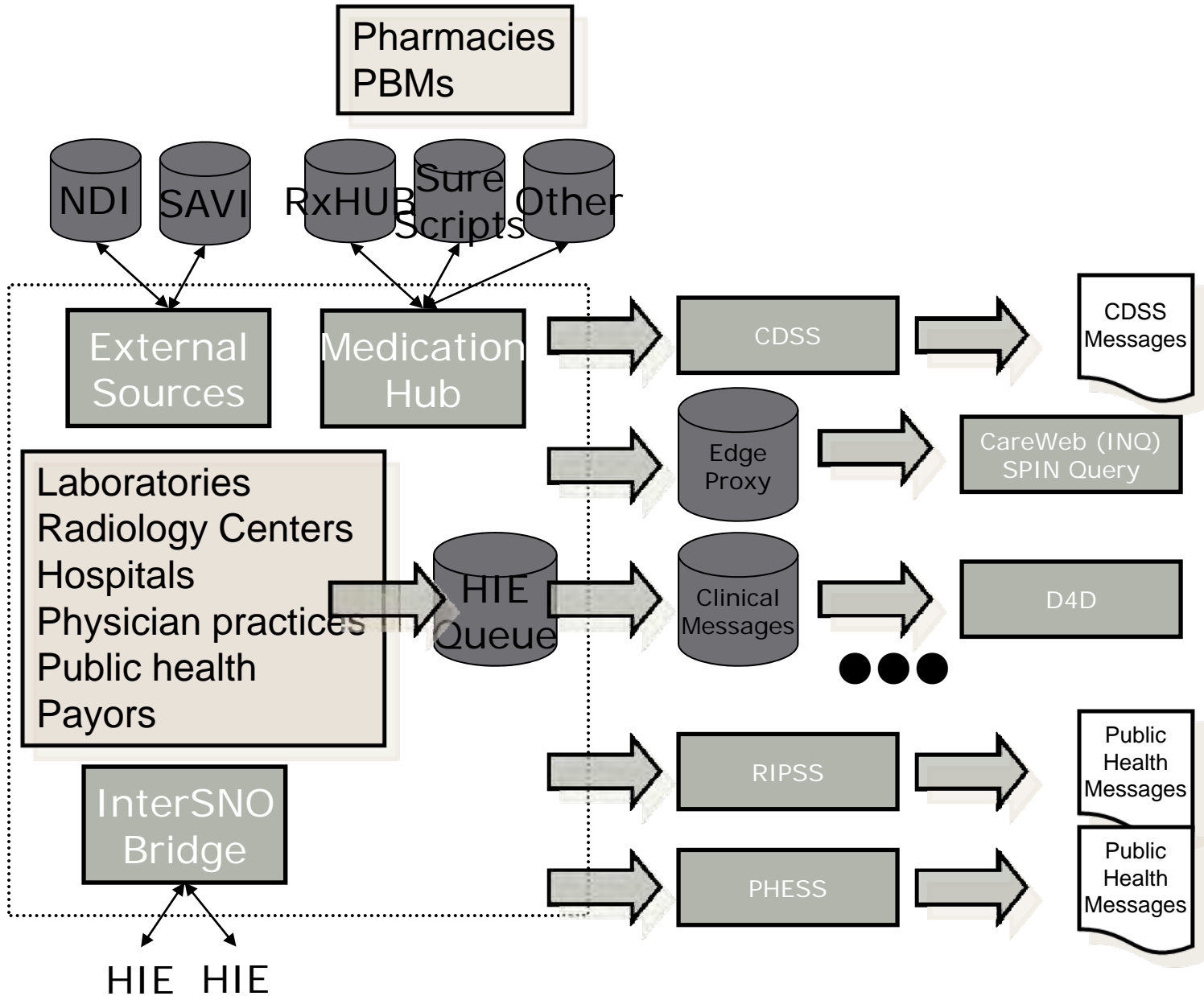
Trigger: ACE Inhibitor AND “cough”

“... the patient reported no *cough* with lisinopril.”

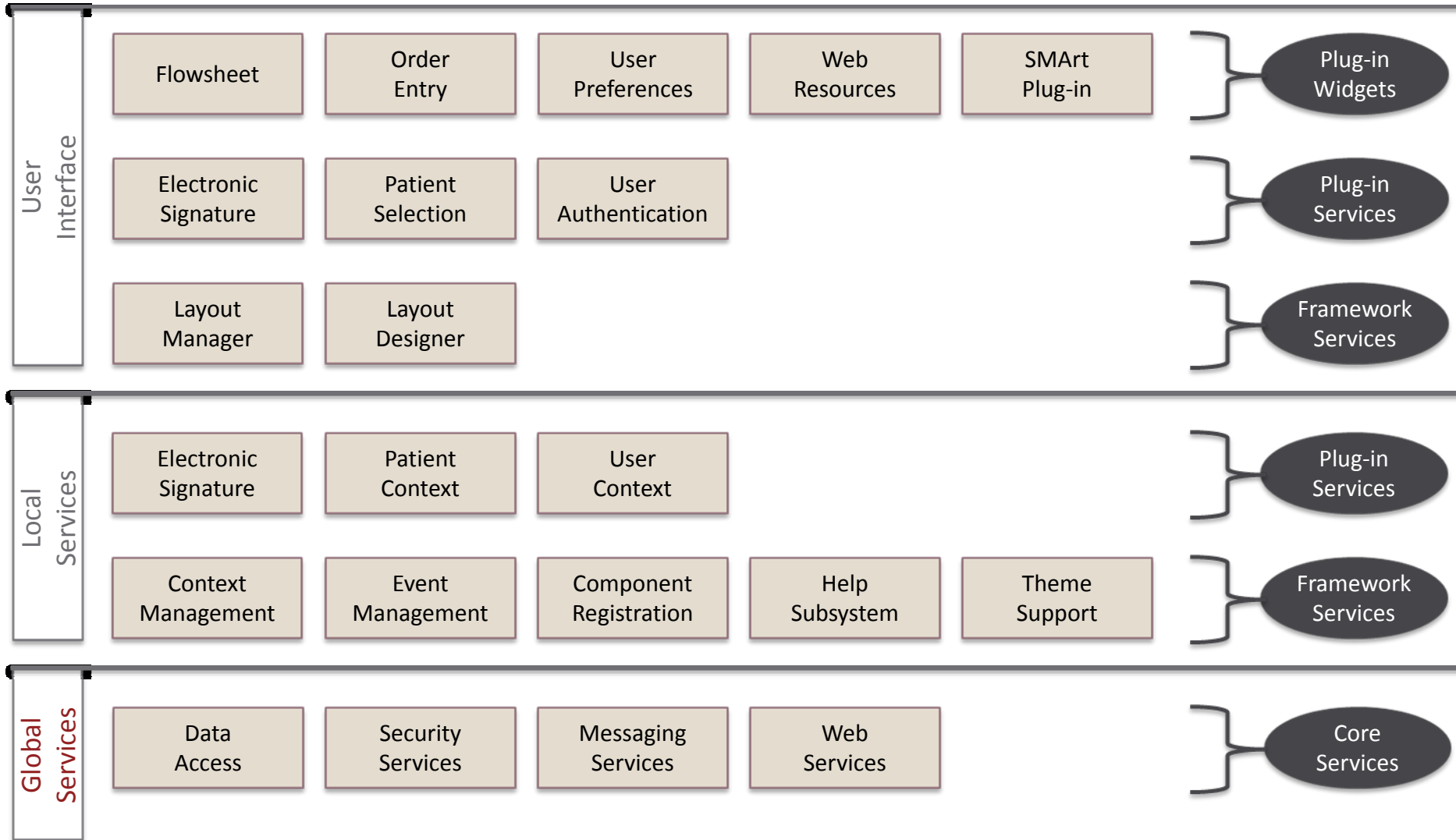
Negative Modifier

Trigger Word





Architecture



- Select an Option:
- Flowsheet
 - Reports
 - All Reports
 - Encounters
 - Orders
 - Pharmacy Orders
 - Chronological Results

Date Range: Last Two Years | Sort by Posting Date | Sort by Observation Date

⏪ ⏩ 1 / 28 ⏪ ⏩ [1 - 10 / 273]

Order Date	Results	Updated Date	Status/Priority	ORD#	Links
05-Mar-2009 18:02	PT PAT	05-Mar-2009 00:00		9064720008	
17-Sep-2008 10:12	Infection Control Observation	17-Sep-2008 00:00		171*1*30986*14871.36748	
	VRE Cx Site	urine			
	VRE Cx Infection Status	actively infected			
	Barrier Isolation Status	not isolated			
	Infection Control Comments	cx 9/11/08			
11-Sep-2008 19:43	Urine Culture	16-Sep-2008 09:24	final	UC7072-4	
	Urine Culture	Ur Org: Enterococcus faecium 50 THOU - 74 THOU/CC			
11-Sep-2008 19:43	Suscept MIC1	16-Sep-2008 09:23	final	UC7072-4	
	Suscept MIC1	MIC Organism: Enterococcus faecium Ampicillin MIC2: >=32.0 Vancomycin MIC: >=32.0 Nitrofurant MIC: 256.0 Cmnt 1: , QUINUPRISTIN/DALFOPR 0.5 MCG/ML SUSCEPTIBLE LINEZOLID 2.0 MCG/ML SUSCEPTIBLE XD			
09-Sep-2008 22:05	Hosp Procedures	16-Sep-2008 00:00			
	Hosp Procedures	VENOUS CATHETER NEC			
12-Sep-2008 13:06	Staff Note-Gopher	12-Sep-2008 13:03	final	H69904320*1*26712	
12-Sep-2008 12:29	ACE Follow-up Note	12-Sep-2008 12:47	final	H69903868*1*33882	
12-Sep-2008 00:31	ROUTINE HEMATOLOGY	12-Sep-2008 01:52	final	H1795-2	
	RDW	15.1 *H % (11.5-14.5)			
	Neutrophils %	55 % (50-70)			

⏪ ⏩ 1 / 28 ⏪ ⏩ [1 - 10 / 273]

Order Entry

Order:

Your Cart

edit	New Fluvastatin 20 MG Twice a Day,#60 with 1 refills for hyperlipidemia (272.4)	remove
edit	Revised Atenolol 50 MG Daily PRN: #30 with 3 refills for hypertension (401.9)	remove
edit	Revised Fluticasone/Salmeterol 100/50 Inhl Twice a Day,#1 with 2 refills for COPD	remove
edit	Revised Warfarin 4 MG Daily PRN: #30 with 3 refills for hypertension (401.9)	remove
edit	Comprehensive Metabolic TODAY	remove
edit	Hgb A1c Bld Qn IA TODAY	remove
edit	Head MRI & Head + Neck MRA	remove

Meds Labs Rads

- Duloxetine
- Simvastatin
- Fluticasone/Salmeterol 100/50 Inhl
- Triamterene
- Warfarin
- Atenolol
- Metformin
- Sumatriptan Inj
- GlyBURIDE

Problems

- diabetes mellitus
- COPD
- rhinitis allergic
- depression
- migraine headache
- hyperglycemia
- atrial fibrillation
- hypertension
- hyperlipidemia
- fibromyalgia

Info

iStream Comm Refs Apps

Alert Manager

TEST, PATIENT #99994@WISHARD (F) Age: 59 yrs [View registrations](#)

A6 (INPATIENT) on 19-Apr-2010 08:38 [Select an encounter](#)

REGENTRIEF_HITS_2_NORTH [Change my location](#)

SIMPSON, HOMER@WISHARD (Development) [Change password](#) [Logout](#)

Navigation tabs: Inbox, View Chart, Order Entry, Quick Notes, Settings, Administration, Document Uploader

Secondary navigation tabs: Visit Details, Diagnoses, Notes, Order Entry, Observations, Billing, Sign

Medication

- Albuterol Inhl
- Allopurinol
- Amitriptyline
- Amlodipine
- Atenolol
- Bactrim DS Eqv
- Benazepril
- Captopril
- Cephalexin
- Ciprofloxacin
- Esomeprazole
- Gabapentin
- Ipratropium Inhl
- Levofloxacin
- Levothyroxine
- Mirtazapine
- Nizatidine
- Oflaxacin
- Propoxyn/Acet 100/650
- Sertraline
- Simvastatin
- Warfarin

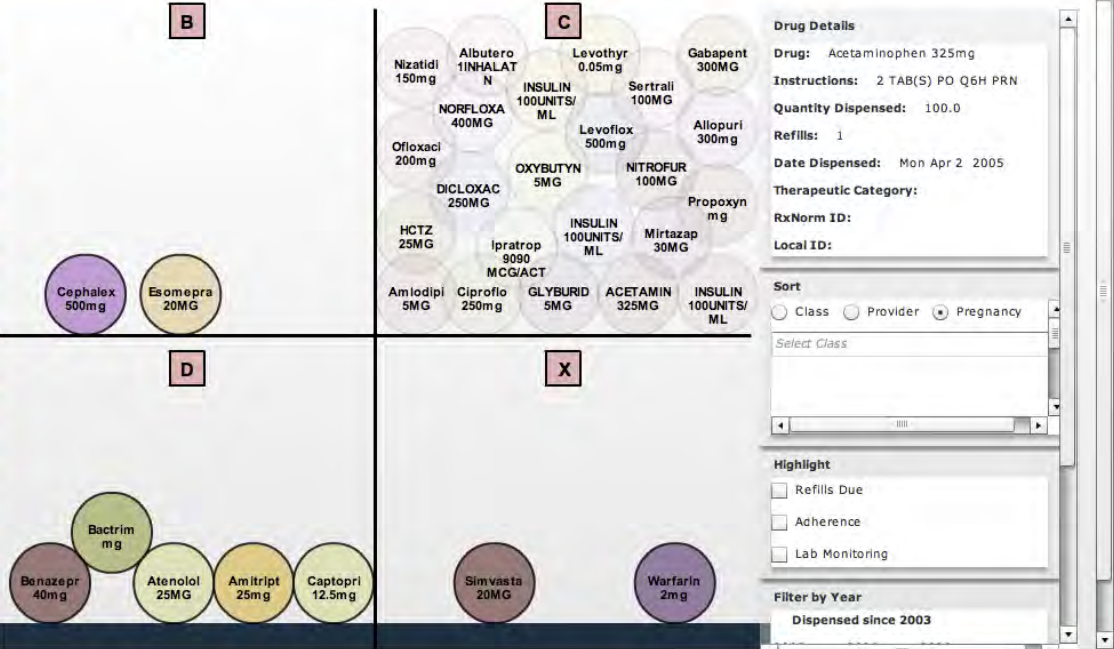
Add Medication

B

C

D

X



Drug Details

Drug: Acetaminophen 325mg

Instructions: 2 TAB(S) PO Q6H PRN

Quantity Dispensed: 100.0

Refills: 1

Date Dispensed: Mon Apr 2 2005

Therapeutic Category:

RxNorm ID:

Local ID:

Sort

Class Provider Pregnancy

Select Class

Highlight

Refills Due

Adherence

Lab Monitoring

Filter by Year

Dispensed since 2003

Info

iStream Comm Refs Apps

Plug-in Inventory

- Results display
 - Recent results
 - Flowsheet
 - Clinical abstract
 - Clinical documents
 - Encounter display
 - Order summary
- Data capture
 - Results entry
 - Order entry
 - Quick notes
 - Document uploader
 - Electronic signature
 - Problem list management
- User tools
 - User preferences
 - User feedback
 - Notifications
- Administrative
 - User management
 - Remote troubleshooting
 - Property management
 - Administrative reports
- Research
 - Medication reconciliation
 - Med profile visualization
 - SMART plug-ins