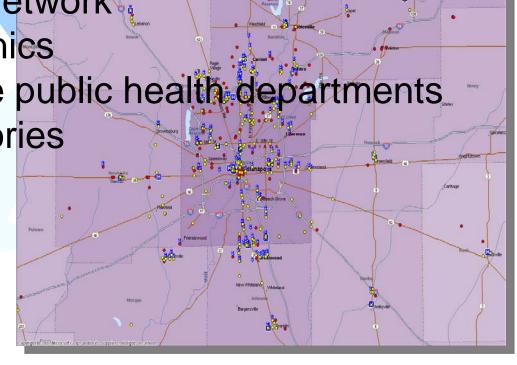


J. Marc Overhage, MD, PhD, FACMI, FACP Senior Scientist, Regenstrief Institute Professor of Medicine, Indiana University School of Medicine President and CEO, Indiana Health Information Exchange

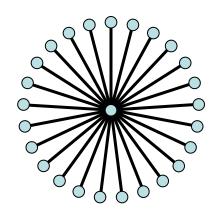
Participants

- "All" Indianapolis med/surg hospitals
- Physician offices
- Community health centers
- Homeless care network
- Public school clinies
- County and state public health departments
- National laboratories
- Public schools
- Pharmacies
- **PBMs**

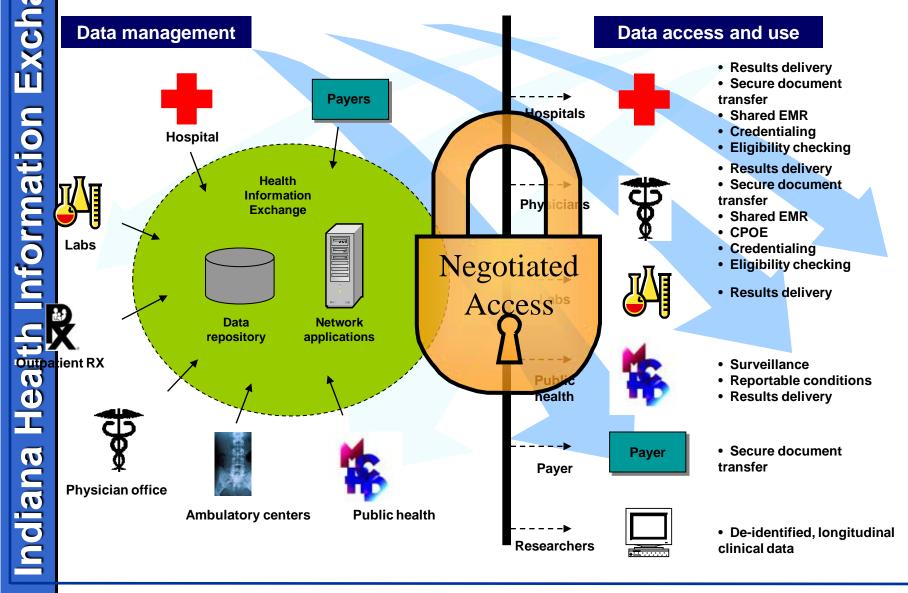


Data shared by all institutions

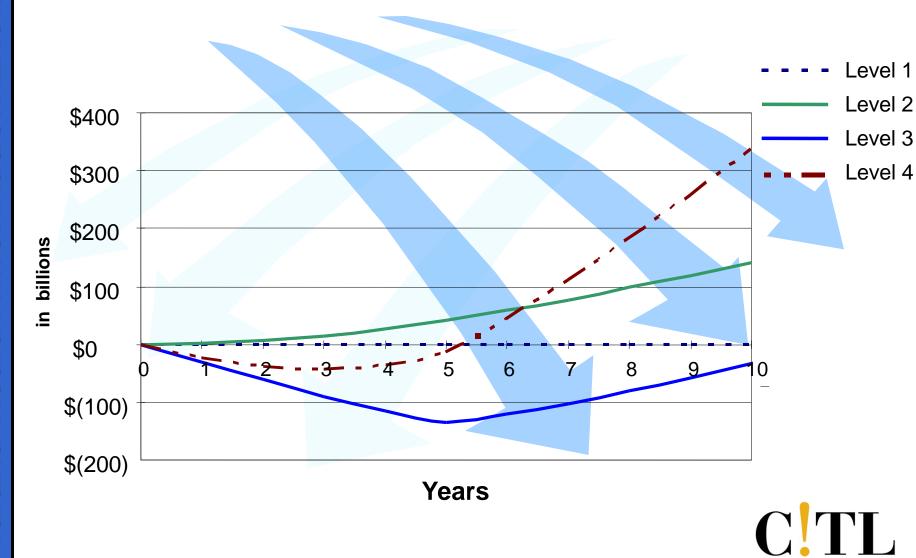
- All ED and outpatient visits
- All hospital discharges (dx, procedures)
- All inpatient laboratory results
- All outpatient laboratory results
- Immunizations
- All discharge summaries/admissions summaries
- All operative notes
- All radiology reports
- All surgical pathology reports
- Inpatient medications
- Tumor registry data



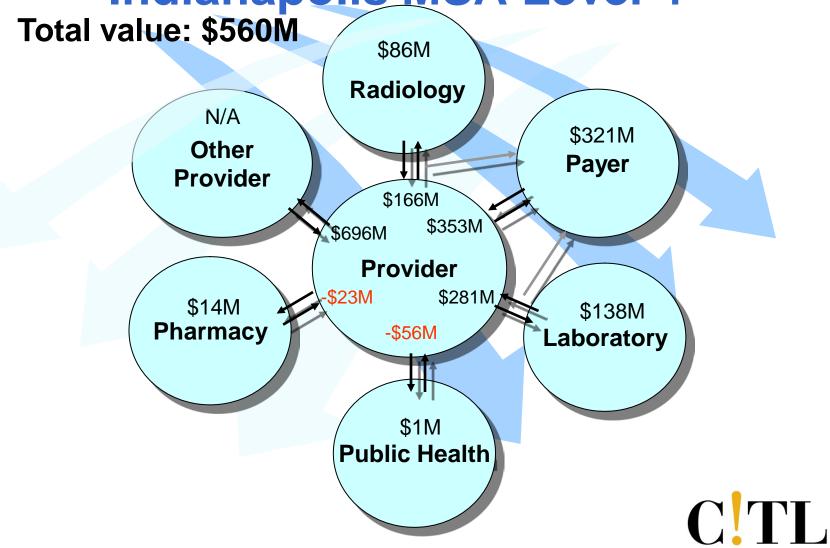
Data Reuse



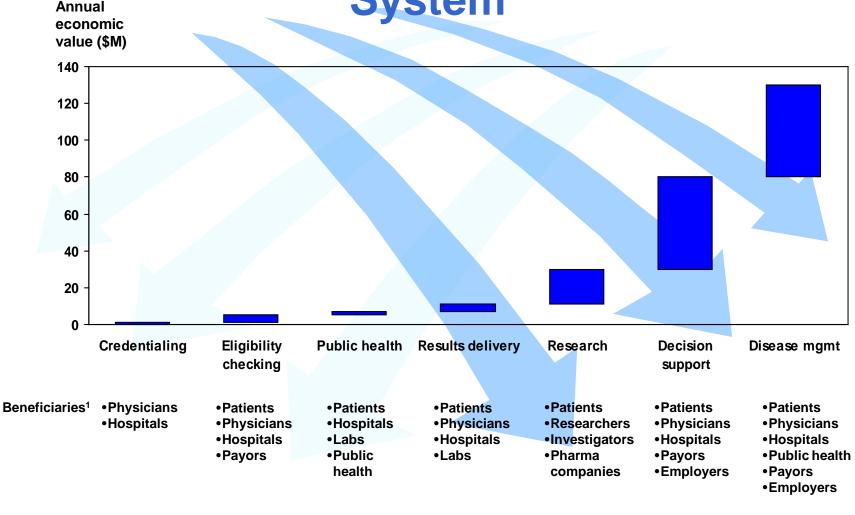
10-Year Cumulative Value



Annual Savings
Indianapolis MSA Level 4

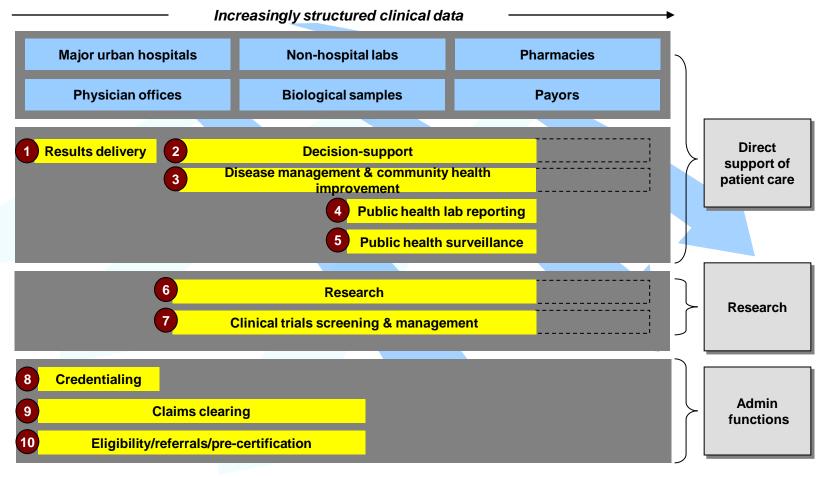


Benefits Accrue to Stakeholders Across System

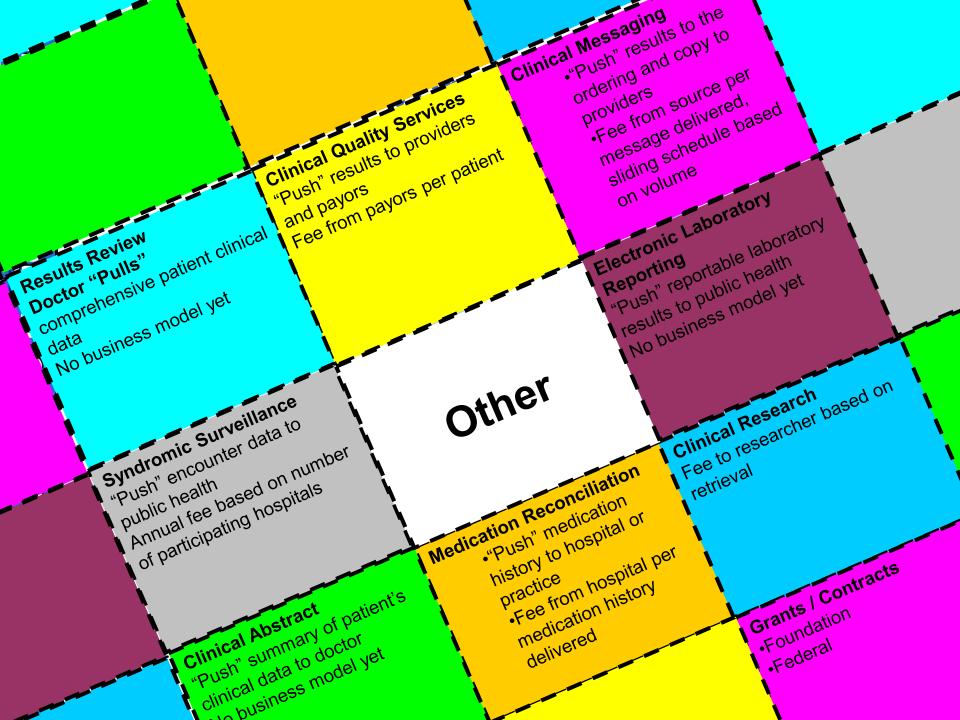


Source: BCG Analysis & Estimates

Sequencing



Key question: How to orchestrate infrastructure build to target areas of highest value?



J. Marc Overhage, MD, PhD

Indiana Health Information Exchange, Inc. 351 West 10th St., Suite 252 Indianapolis, IN 46202

Voice: 317-278-7423

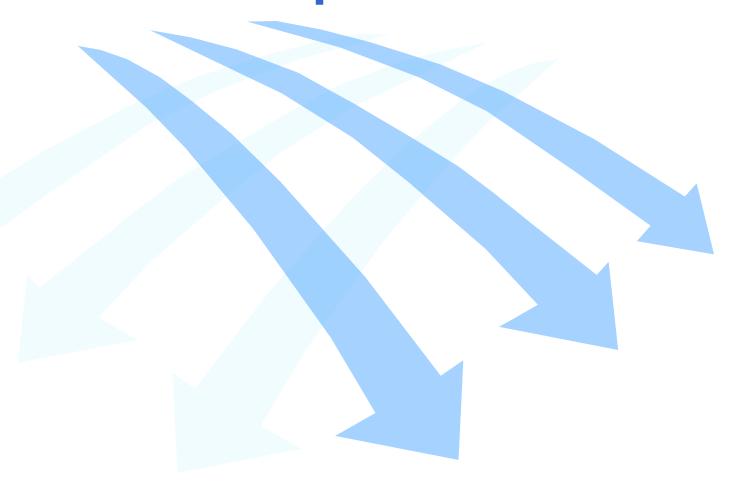
Facsimile: (317) 278-4753

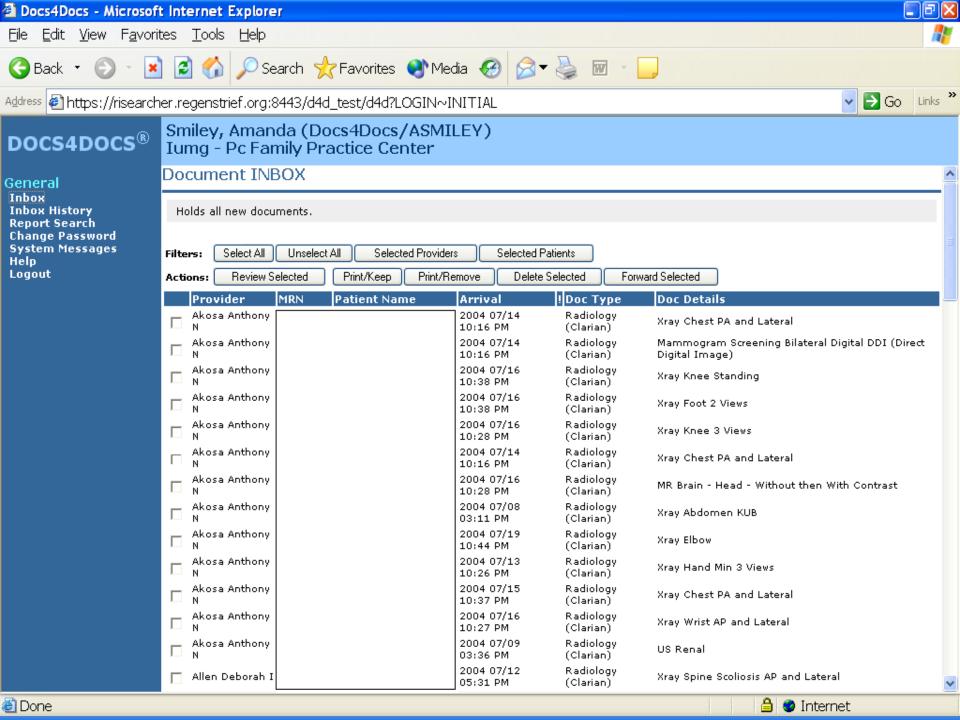
E-mail: marc.overhage@ihie.org

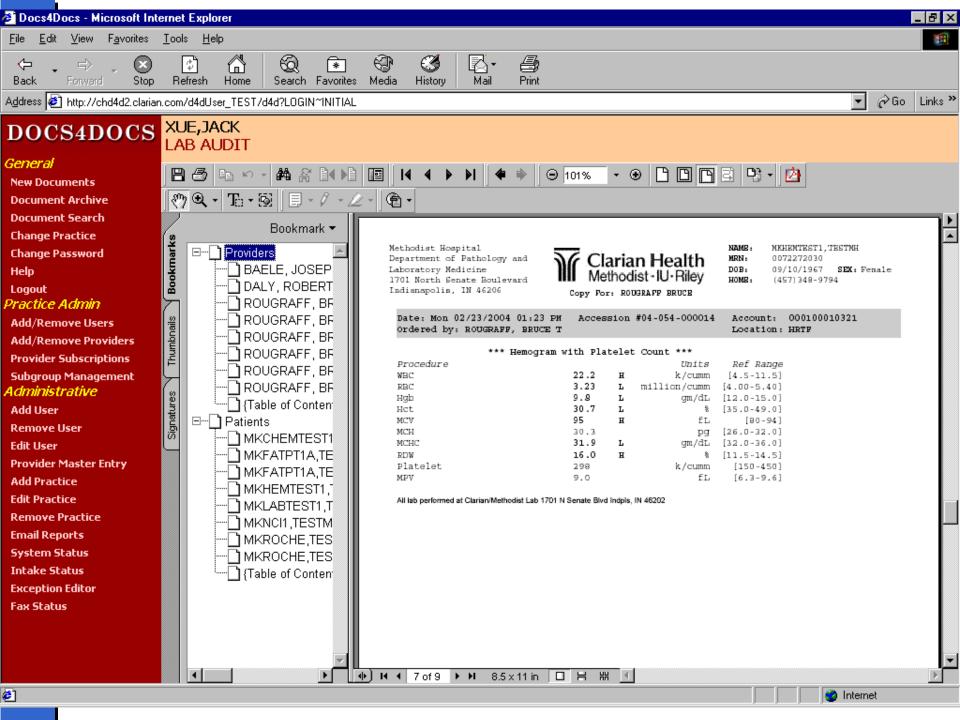
Web address: www.ihie.org

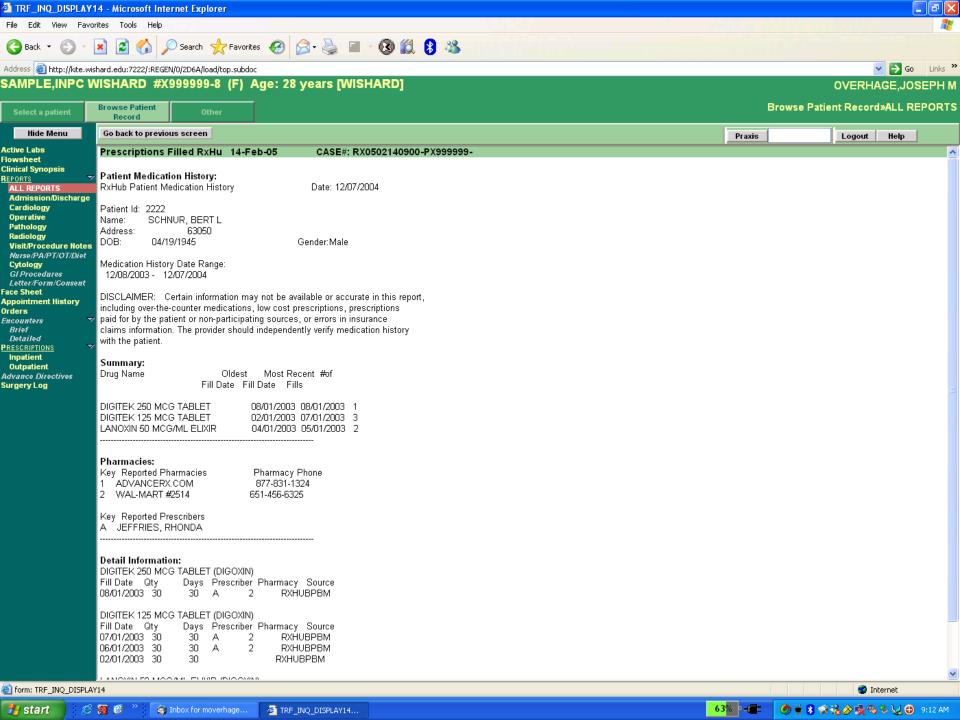


Backup Slides









Methodist Hospital Emergency Medicine and Trauma Center 1701 North Senate Blvd Indianapolis, IN 46206



Name: Mkhemtest, mhtest

MRN: 007222030

DOB: 09/10/67 **Sex:** Female

Home: (457) 348-9794

Date: Mon 05/22/2005 01:23 PM Visit: #04-054-000014 Account: 010001000234

Attending: Rougraf, Bruce T Location: EMTC

PROPOXY-N/APAP 100-650 TAB

Dispensed: 2005-05-13 #16 at: CVS PHARMACY 1518729



NITROGLYCERIN 0.4 MG/HR PTC ordered: AZ1044685

Dispensed: 2005-05-12 #30 at CVS PHARMACY 1518729



VERAPAMIL 240 MG TABLET SA ordered: AB1315200

Dispensed: 2005-05-04 #60 at CVS PHARMACY 1518729

2005-03-28 #60 2005-02-15 #60 2005-01-13 #60 a light green, oblong, scored, film-coated tablet imprinted with "logo and logo" and "ST".



Medication Possession Ration 1.4

POTASSIUM CL 20 MEQ TAB SA ordered: AB1315200

Dispensed: 2005-05-03 #60 at CVS PHARMACY 1518729

2005-03-28 #60 2005-02-15 #60 2005-01-13 #60



LOVASTATIN 40 MG TABLET ordered by: BC5175535

Dispensed: 2005-04-29 #30 at CVS PHARMACY 1518729



INPC EMERGENCY CARE ABSTRACT

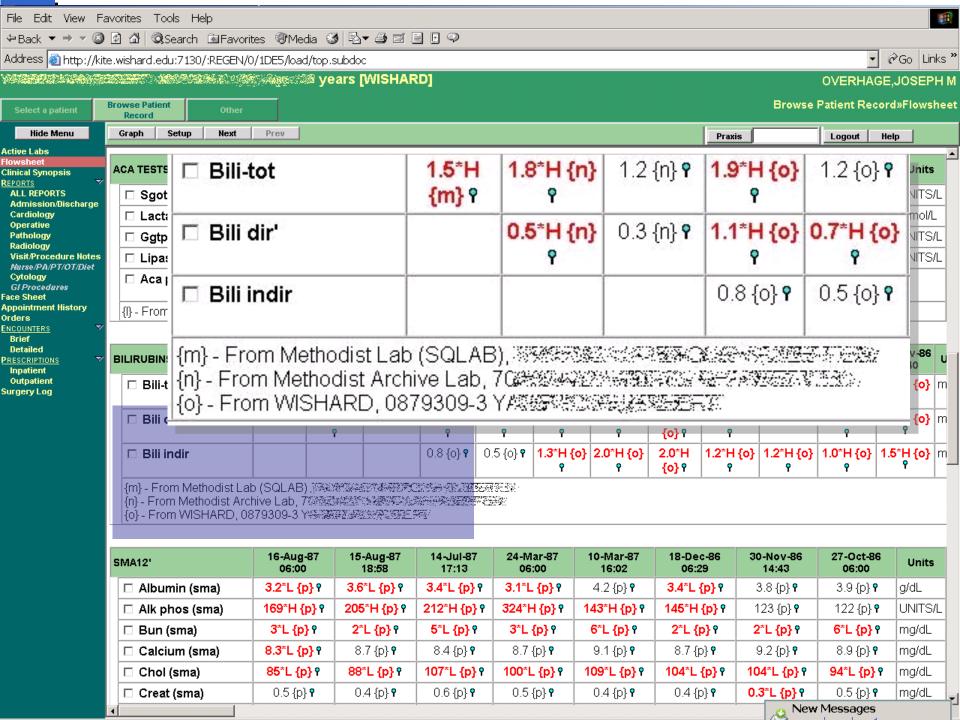
	4882Ni	10.		AND STREET				
HISTORY & PHYS	ICAL		CHEMISTRY (co	ntinued)			ROUTINE COAG	06-Aug-03
DX & CUMPLAINTS		09-Dec-03					WISHARD	on-Mog-D2
COPD ACTIVE			CALCIUM			mg/dL	SIBRARD	
condylora accumina		8	PHOSPHORUS	2.476	fal	ng/dL	CARDIOVASCULAR	
pregnancy normal c	nre			1.0				06-Aug-03
vulva CA			URIC ACID	151		ng/dL ng/dL	normal pinus rhythm, normal SCO	
marked dysplasia [CHULESTEROL			g/dL	(a) From WISHARD, Wishard ERG,	101
(a) (From WISHARD,	Wishard A	ppointment	PROTEIN-TOTAL	9.374		09-Nug-01		
scheduler), (08,	X999999-	e SAMPLE, INPC	ALMIMIN	2.541		g/dL	Assess-6 models, thec without	
WISHARD)			BILIBUBIN TOTAL	0.5		mg/db	PRESCRIPTIONS	
		AT . Car. 100		61			RECENT MEDICATION HISTORY	
E.R. DIAGNOSIS		07-Sep-89	SGOT (AST)	17		UNITS/L		01-Aug-01
bronchitis [a] [a]From WISHARD, A	******	ORNOLD THOS	SGPT (ALT)	30		UNITS/L		01-Jul-01
(a)From WISHARD, A WISHARD	2222228	DANFLE, LAFE	ANYLASE			UNITS/L		01-May-03
WISHARD		- 1	Per Luciani	430-6		07-Sep-89		
ATT DECTED		12-Aug-03	(a) Prom WISHARD,	Y000000-0			Trust sees believed court of	
ALLERGIES	0.0000000000000000000000000000000000000		WISHARD	********	and i	an, alles	(9)	
DRUG ALLERGIES	DARVOCET		200000000000000000000000000000000000000					
		COHEN SOD (a)	HEMATOLOGY				66	
(a)From WISHARD, WMN Online Mesults, X999999-E SAMPLE, INPC WISHARD			SLOOD CELL PROFILE			11-Aug-03		
X999999-B SAMPLE	E, INPC WIS	RIAND	MAC CEPT SHOWLING	10.7		k/cumm		
BY OOD TUDE			SEC			million/		
BLOOD TYPE		88 800 88		10.1-1				
PREMATAL ABO MH	1200000	06-Aug-03	HCT	30*1			(i)	
ABO GROUP	group A	(4)	V. (0000)	100*H				
Rh	neg	(a)	HCV HCS	35*8				
ANTIBODY SCREEN	neg	(a)	MCHC MCHC	35*8		9/dL		
[a]From WISHARD, I	(999999-8	SAMPLE, INPU		11.1		- gyan		
WISHARD			SEW (a)From WISHARD,					
******			(a)From WISHARD,	W333333-8	SAM	PER TRIPC		
VITALS		1000					8	
IMPATIENT VITALS	903313	08-Aug-03				07-Sep-89		
WEIGHT AUTO	108.9	C	DIFFERENTIAL	200		A. A. A. B. L. A. B.		
TEMP AUTO ORAL		t (a) DEGP	LYMPES		(a)			
PULSE AUTO	75	(a) /MIN	MOSIO	n	(a)		\$0°	
RESP RATE AUTO	20	(a) /MIN	PLT EST	adeq	9.77		10	
SYSTOLIC BP AUTO	103	(a) mm Hig	BANDS	3	10		10	
DIASTOLIC BP AUTO		(a) mm Hg	MACROS	rare	(a)			
(a)From WISHARD, Wishard VITALNET, X999999-8 SAMPLE, INDC WISHARD			VACULATED POLYS	present	(4)		1	
1999999-8 SMPL	E, INDC WIS	MARD	GIANT PLATELETS	London Maria Control	No. 2011		1	
CUBATOTOV			[[a]From WISHARD, WISHARD	YAAAAAA-B	anoti	PAG, INVC	12	
CHEMISTRY								
ELECTROLYTE PRFL	135	12-Aug-93 (a) mmol/L	COMMON HEMATOLOGY	OFITTED		11-Aug-01	i .	
80DIUM	4.2	(a) mmol/L	PLT CT	225	10	k/cumm	1	
POTASSIUM	103	(a) mmol/L	P.T.	12.0		sec	1	
CHLORIDE	27	(a) mmol/L		16.9	10	16-Jun-85	i	
(a) From WISHARD.			(a)Prom WISHARD	¥999999-#	TAME			
WISHARD	V-555333-G	undfub, infC	WISHARD					
CHEM 16			MOUTINE COAS	18372	7	06-Aug-0		
SON	10	(a) mg/dL	PROTINE (ISI1)	10.5		nec		
		12-Aug-03		0.9	(a		Į.	
GIVOCORE	95	(a) mg/dL	APTT PATIENT	33		sec	10	
CREATININE	0.8	[a] mg/dL	(a) From WISHARD	X999999-6	SAM	FLE, IMPC		

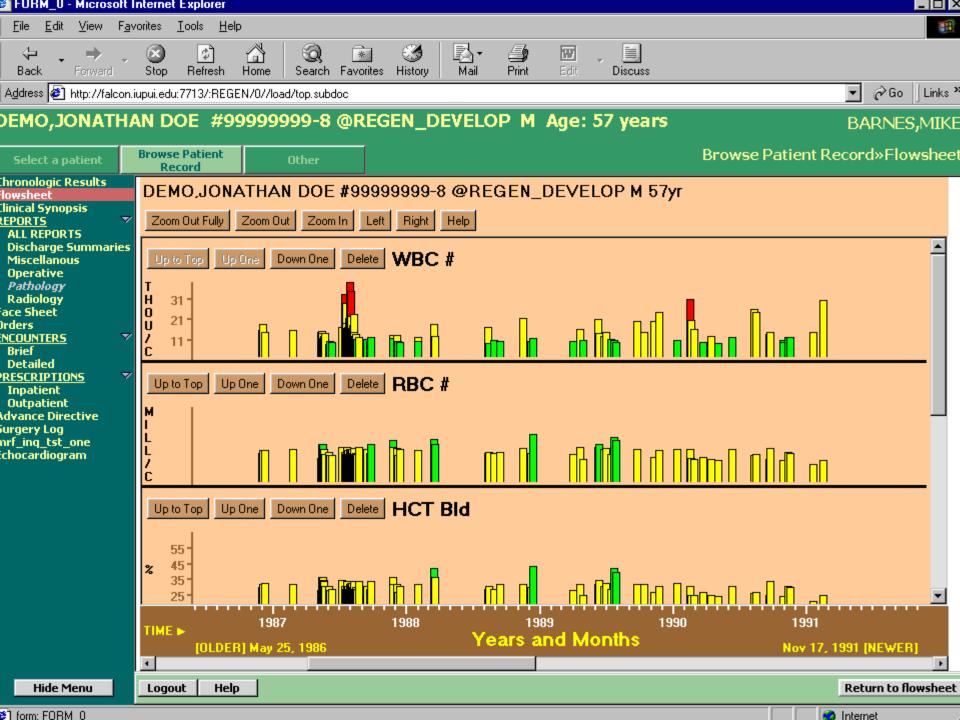
This partial medical history contains confidential patient information. Unauthorized use is subject to disciplinary action. File in correspondence section of medical record. Mental health, STDs, drug and alcohol abuse data from this institution only. More on-line at INPC.ORG.

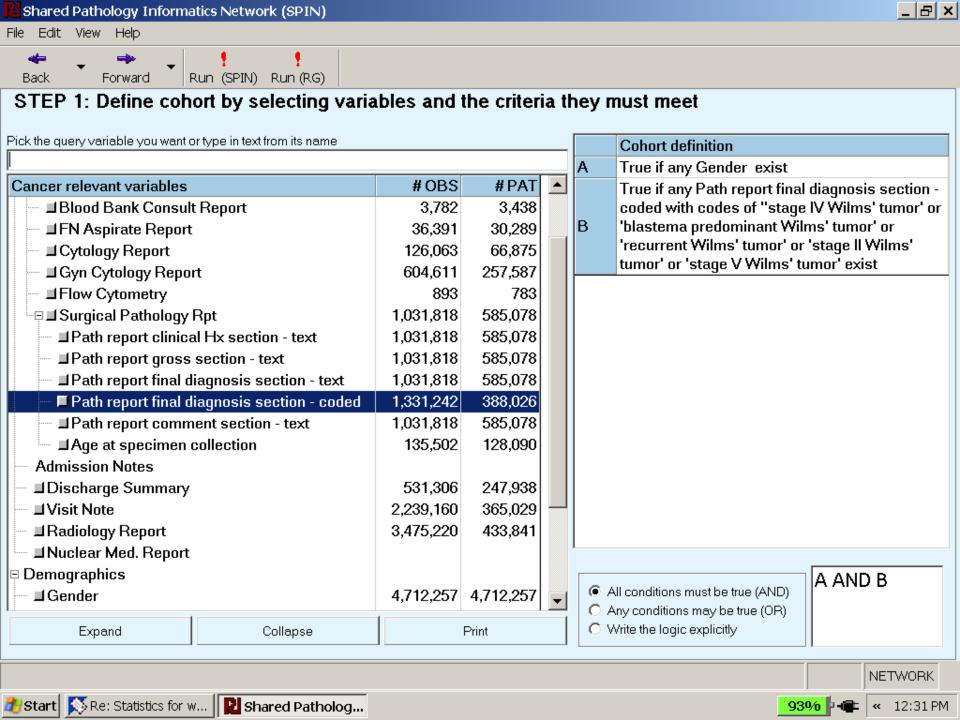
Data From: WISHARD - CLARIAN - MARION_COUNTY

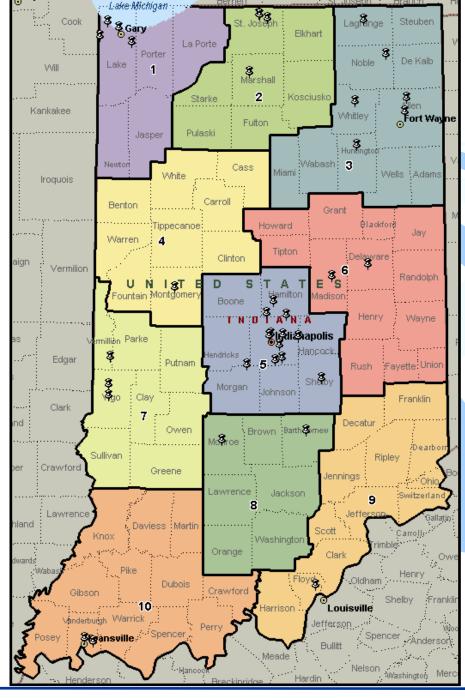
SAMPLE, INPC WISHARD #X999999-8

Printed 18-Feb-05 at WISHARD









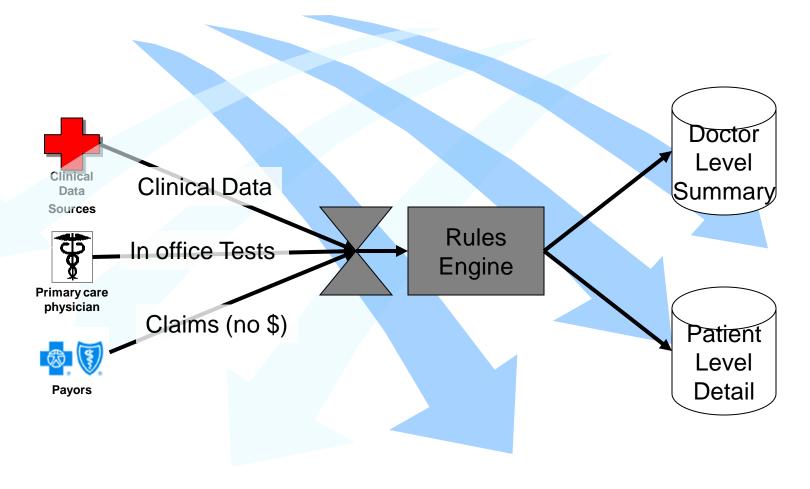
Public Health Emergency Surveillance System (PHESS)

- •56 Hospitals connected
- 4,000 ED visits per day



Indiana State Department of Health

Clinical Quality Data Services



Clinical Quality Data Services

- Improve quality of care
- Improve efficiency of care
- Broad involvement
 - ->90% primary care providers
 - ≈900,000 lives
- Expanding to other markets
 - Lafayette
 - Bloomington
 - Ft. Wayne

Shared Pathology Informatics Network (SPIN) - https://iceman.regenstrief.org.8... _ 🗗 🗙 File Edit View Run Help Any full path Total Patie ca report for max Calcium min Calcium truth row RACE 125 nt age surviv trut breast and numb value SerPI-mCnc SerPl-mCnc (value al (value (value) (va (exists) (value) (value) cancer er (value (value) 72 Black 82.0 78.0 394.0 12.4 8.0 143 Black 83.0 71.0 201.0 10.5 6.5 5.8 90 Black 77.0 73.0 135.0 9.2 31 Black 80.0 79.0 View Report present 86.0 10.4 6.8 Vie 55.0 42.0 7.8 Vie 7 Black 53.0 View Report present 10.3 8.2 Vie 166 White 71.0 22.0 10.0 62.0 View Report present 91 White 60.0 7.0 10.0 8.0 Vie 59.0 View Report present 36.0 9.6 123 Black 8.0 Vie 35.0 View Report present 40.0 9.6 130 White 40.0 View Report present 8.2 Vie 42 O Q Q Wie 52 White 43 0 View Donart procent 0.9 Print. Export Create Report 946 subjects | 00:00:08 | 946 results | 00:03:59 SpinQuery: 401-0 5 to 0 0 0 0 0 0 0 0 **10** 0 Ö 5 (を)関票 (日票 W S...

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