

Building Connections for Patient-Centered Records: Bridging the Last 10 Feet!

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and
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Objectives

- **Critically appraise the state of personal health records development in the US**
- **Explain how information for action becomes actionable in the lives of PHR users**
- **Devise creative ways to bridge the last 10 feet of connectivity, mindful of the context where the person lives and works and needs the information**

A patient-centric health care system



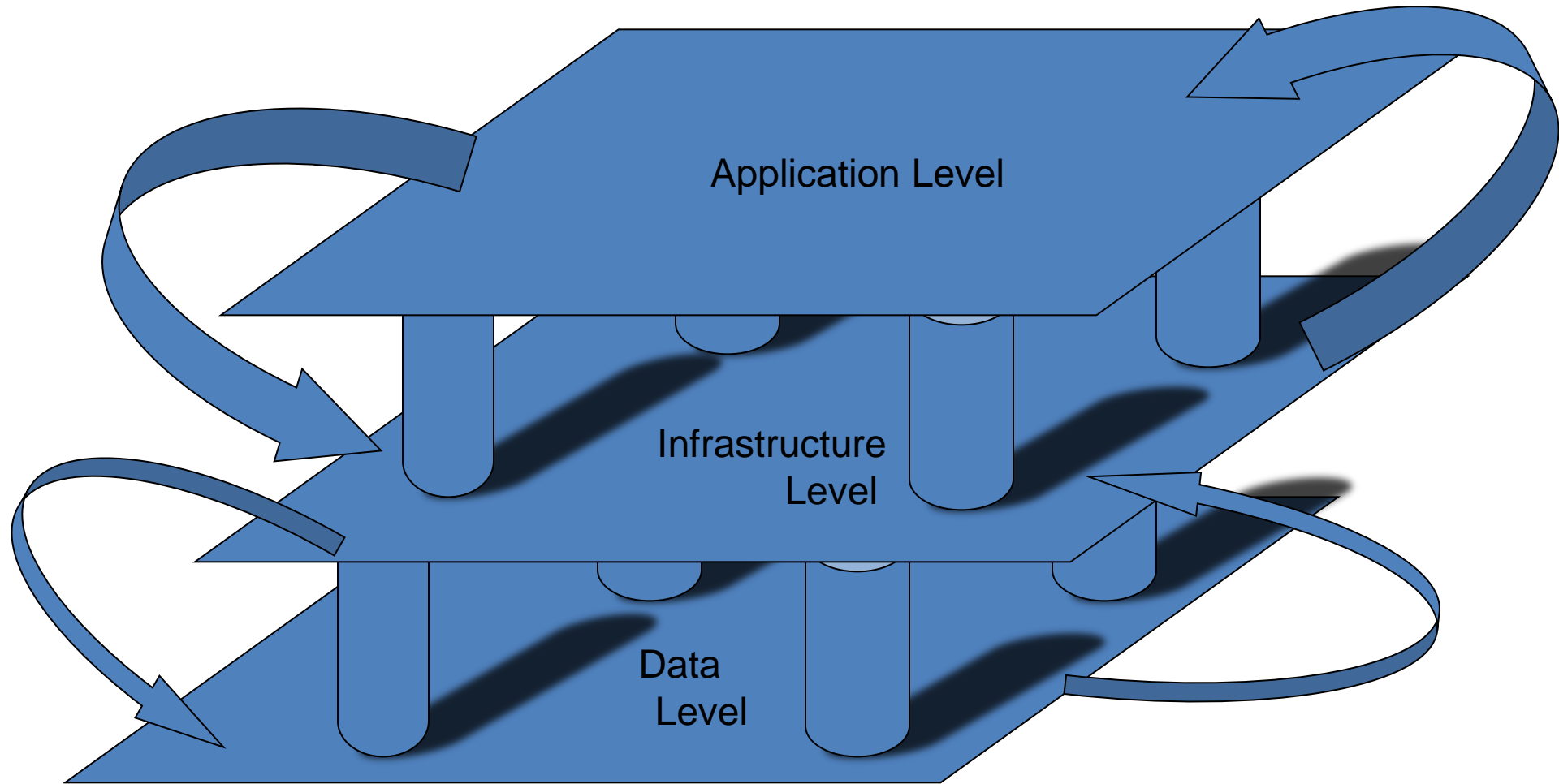
- Efficient
- Effective
- Accessible
- Safe
- Affordable
- Ubiquitous

The promise and the reality of PHRs



- “All my data, everywhere, anywhere”
- “Speaks for me, speaks about me”
- “Personally-controlled”
- But it’s more than just the data!

An Architectural View of PHRs





My Health Record

- [Health Summary](#)
- [Medications](#)
- [Test Results](#)
- [Health Reminders](#)
- [Recent Visits](#)



My Messages

- [Inbox](#)
- [Outbox](#)
- [Request Rx Renewal](#)
- [Contact Us](#)

Appointments

- [Future Appointments](#)
- [Request A New Appt](#)

My Administrative Info

- [Name and Address](#)
- [Personal Preferences](#)
- [Change Password](#)
- [Change Address](#)
- [Terms and Conditions](#)

Health Summary [Printer Friendly Page](#)

The Health Summary provides you with a convenient summary of important information in your health record. Your summary includes up-to-date information concerning your current health issues, medications, allergies, immunizations, and health reminders.

[Help with Hyperlinks](#)

Name	Medical Record Number	Primary Physician	Clinic
		Alan M. Weiss, MD	Ccf Main Campus

Current Health Issues

Enter Search Keyword:

Health Issue	Date Noted
Hypertension (High Blood Pressure)	
Elevated Cholesterol	05/20/2005

Medications

Name	Instructions	Provider
GLUCOPHAGE 500 MG ORAL TAB	Take One(1) Tablet Three(3) Times Daily.	EpicCare Test MD

Health Reminders

Name	Due Date	Status	Last Done
Plasma Glucose Check	02/23/2007		02/23/2004
Cholesterol & Ldl Check M	04/11/2010		04/11/2005
Tetanus	03/15/2014		03/15/2004

If you would like to find out more information on your Health Reminders, [click here](#).

[Back](#) to the previous page...



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- [Recent Visits](#)

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Test Details

[Printer Friendly Page](#)

Test: LIPID PANEL BASIC [SQLIPB]

Order Number: 41610423 **Quantity:** 1
Sample: Blood **Date Collected:** 4/11/2005 4:51 PM
Result Status: Final result **Resulted Date:** 4/11/2005 7:59 PM
Provider Status: Reviewed

Component Results

Component	Value	Flag	Low	High	Unit
Triglyceride	201	!	30	149	mg/dL
Cholesterol	198		100	199	mg/dL
HDL Cholesterol	70		>45		mg/dL
VLDL Cholesterol	40		6	40	mg/dL
LDL Cholesterol	88		60	129	mg/dL
Fasting Time	14				hrs
TC:HDL Ratio	2.83		1.00	5.00	
LDL:HDL Ratio	1.26		0.50	3.55	

[Back](#) to the previous page...

Patient views result

PatientSite – CareGroup/Boston

The screenshot shows the PatientSite web application interface. The browser address bar displays <https://www.patientsite.org/psframe.asp?pg=myhealth.asp>. The page header includes the Beth Israel Deaconess Medical Center logo and the text "Welcome to the Personal Health Website of P S Demo". A "Sign Out" link is visible in the top right corner. The main content area is titled "Records of P S Demo" and includes a "Security Audit" link. A navigation bar contains buttons for "BIDMC", "NASHOBA", "WALTHAM", "WEST", and "MyEntries" (circled in orange). Below this is another navigation bar with buttons for "Problems", "Meds", "Allergies", "X-rays", "Labs", "Notes", and "Tracking". The "Problem List" section includes links for "[View Problems]" and "[Add a New Problem]". The table below lists several medical problems with their respective start and end dates and edit/delete options.

Problem Name	Start Date/Time	End Date/Time	
222	10/08/2007	10/30/2007	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
diabetes	04/10/2006		<input type="button" value="Edit"/> <input type="button" value="Delete"/>
heartburn	11/08/2006		<input type="button" value="Edit"/> <input type="button" value="Delete"/>
PAIN IN KNEE	01/02/06		<input type="button" value="Edit"/> <input type="button" value="Delete"/>

PatientSite – CareGroup/Boston

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PAIN IN KNEE	01/02/06		<input type="button" value="Edit"/> <input type="button" value="Delete"/>

PatientSite – Audit trail

Records of P S Demo
[Security Audit]

BIDMC **NASHOBA** **WALTHAM** **WEST** **MyEntries**

Problems **Reports** **Meds** **Allergies** **Visits** **X-rays** **Labs** **Micro**

Problem Name
HYPERTENSION
COCAINE ABUSE
ANEMIA
IRON DEFICIENCY ANEMIA
CONGESTIVE HEART FAILURE
FATIGUE
FROZEN SHOULDER
F/H GLAUCOMA
F/H GLAUCOMA
TEST
SMOKER (FORMER)
HIV INFECTION
TENSION HEADACHES
DEEP VEIN THROMBOPHLEBITIS
SUBSTANCE ABUSE
LOWN-GANONG-LAVINE

Medical Record Audit Report - Windows Internet Explorer
https://www.patientsite.org/audit.asp

Audit Lookups of P S Demo

Date/Time	Person	Location	Record
9/11/2007 10:18 AM	Support, Tech	BIDMC	Reports
9/11/2007 10:18 AM	Support, Tech	BIDMC	Problem List
9/11/2007 10:15 AM	Support, Tech	BIDMC	Reports
9/11/2007 10:15 AM	Support, Tech	BIDMC	Problem List
8/30/2007 11:09 AM	Support, Tech	BIDMC	Lab
8/30/2007 11:09 AM	Support, Tech	BIDMC	Reports
8/30/2007 11:09 AM	Support, Tech	BIDMC	Problem List
8/7/2007 9:44 AM	Support, Tech	BIDMC	Note
8/7/2007 9:44 AM	Support, Tech	BIDMC	Lab
8/7/2007 9:44 AM	Support, Tech	BIDMC	Radiology

Next 10 >

Retail Pharmacy

Pharmacy

Your Tools

- ▶ Order Prescriptions
- ▶ View Rx History
- ▶ Print Rx Records
- ▶ Update Health History
- ▶ E-mail Reminders

- ▶ Drug Information
- ▶ Check Drug Interactions
- ▶ Ask a Pharmacist

- ▶ ExpressPay
- ▶ Health Info Card
- ▶ Medicare Assignment
- ▶ Custom Labels
- ▶ Specialty Pharmacy
- ▶ Immunizations

[Pharmacy](#) >

Confidential Health History

Once you have entered your PIN, this feature will update your personal health history to your existing Walgreens pharmacy profile.

For more information on privacy and security, please see our [Security and Privacy Policies](#).

Additional Medications

Indicate the vitamins, herbals, supplements and over-the-counter medications you take on a regular basis. You may also include prescriptions you've had filled at pharmacies other than Walgreens.

- IBUPROFEN 200MG TABLETS WALGREENS
- PROCHLORPERAZINE 25MG SUPP

ADD MEDICATIONS ▶

Health Conditions

Indicate your current health conditions.

- STOMACH/DUOD DISORDERS
- VERTIGO

ADD CONDITIONS ▶

Drug Allergies

Indicate your current drug allergies.

- SULFA DRUGS

ADD ALLERGIES ▶

Miscellaneous

Would you like easy-open caps on your prescription bottles?



My Health Summary

All your health records, in one place, so you can easily access and share this information with your doctors or take with you during a hospital visit. You can view and print some or all of your records.

[Download All Member Data](#)[See All Insurance Data](#)[Print](#)

Conditions / Diseases		
	Date Entered	
Asthma	12/03/2006	
High Cholesterol	12/03/2006	
Migraines	12/03/2006	
Diabetes	12/03/2006	
Gastroesophageal Reflux Disease (GERD)	12/03/2006	
view details >		

Medications/Supplements		
	Last Fill Date	
PRECISION XTRA TEST STRIPS	11/20/2006	
METFORMIN HCL ER 500 MG TAB	11/16/2006	
ALPRAZOLAM 0.5 MG TABLET	11/16/2006	
HYDROCODONE/APAP 5/500 TAB	11/14/2006	
LOVASTATIN 40 MG TABLET	11/12/2006	
view details >		

Tests		
	Result	Date
Pap smear	Normal	08/25/2007
Mammogram	Normal	08/25/2007
CHOLESTEROL.IN VLDL	32	11/15/2006
Low-density lipoprotein (LDL)	101	11/15/2006
CHOLESTEROL.IN VLDL	32	11/15/2006
view details >		

Procedures	
	Date
PHONE CALL PHYS-PT/OTHER; COMPLX/LENGTHY	12/19/2006
OFC/OUTPT VISIT E&M EST LOW-MOD SEVERITY 15 MIN	12/18/2006



My Procedures

Record any recent procedures you have had. Your insurance company will also provide this information if you or your doctor has submitted a bill for reimbursement.

[See All Insurance Data](#)

[Add New](#) [Print](#)

Past 12 Months Sort Rows By: Last Service Date

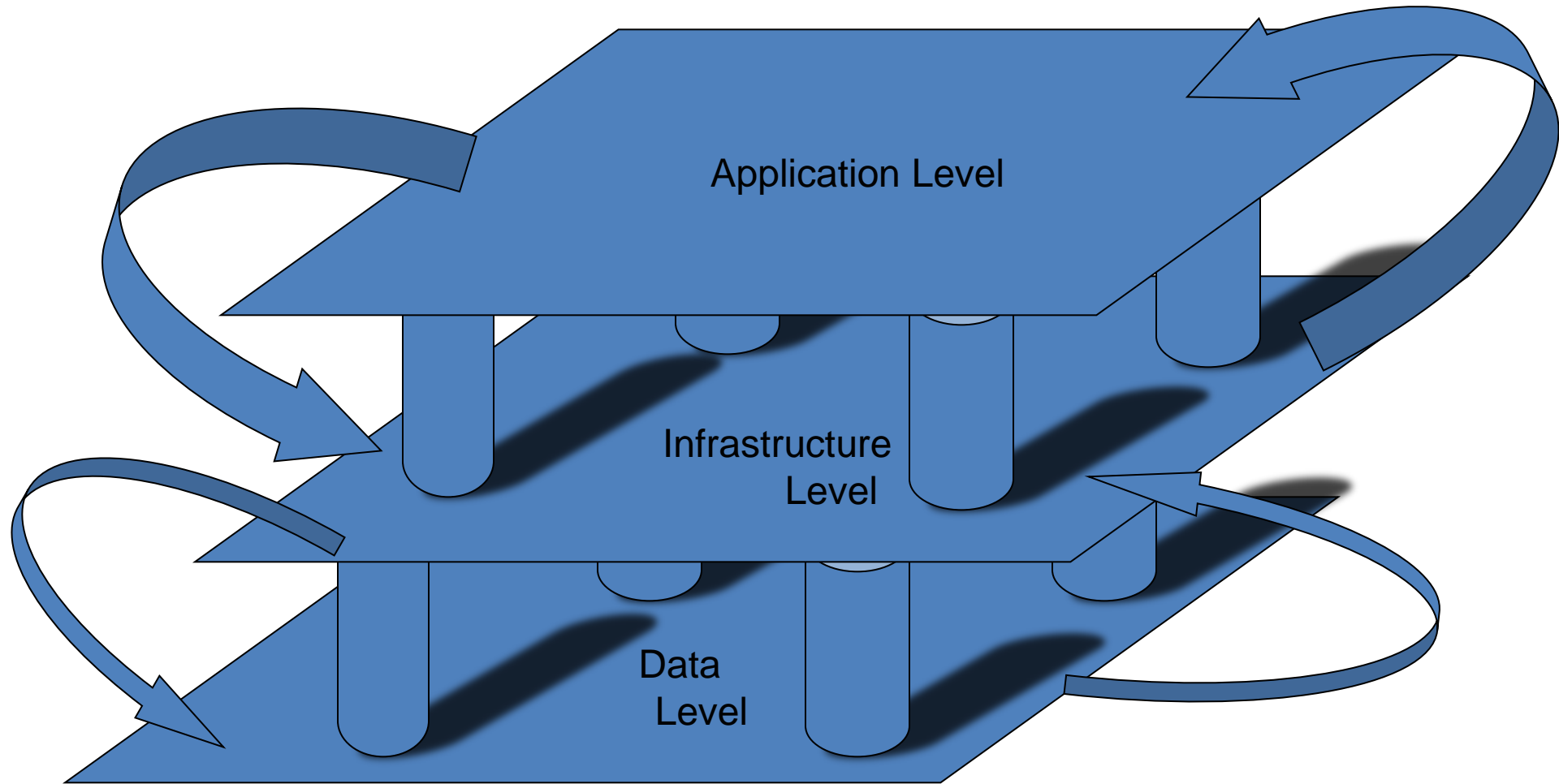
Name	Last Service Date	My Comments
PHONE CALL PHYS-PT/OTHER; COMPLX/ LENGTHY	12/19/2006 View More...	Add Comment
OFC/OUTPT VISIT E&M EST LOW-MOD SEVERITY 15 MIN	12/18/2006 View More...	Add Comment
PHARM MGMT W/SCRIPT USE & REVIEW-MIN PSYCHOTH	12/07/2006 View More...	Add Comment
CYTOPATH SLIDES CERV/VAG; MNL SCR UND PHYS SUP	12/06/2006 View More...	Add Comment
OFC/OUTPT VISIT E&M ESTAB MOD-HI SEVRTY 40 MIN	12/06/2006 View More...	Add Comment
OFC/OUTPT VISIT E&M EST MOD-HI SEVERITY 25 MIN	11/20/2006 View More...	Add Comment
GENERAL HEALTH PANEL	11/15/2006 View More...	Add Comment
HEMOGLOBIN; GLYCATED	11/15/2006 View More...	Add Comment
COLLECTION OF VENOUS BLOOD BY VENIPUNCTURE	11/15/2006 View More...	Add Comment
COMPREHENSIVE METABOLIC PANEL	11/15/2006 View More...	Add Comment
LIPID PANEL	11/15/2006 View More...	Add Comment
BILIRUBIN; DIRECT	11/15/2006 View More...	Add Comment

Denotes Self-Reported Procedure

[Add New](#) [Print](#)

12/07/2006	Procedure	PHARM MGMT W/SCRIPT USE & REVIEW-MIN PSYCHOTH	Add Comment
12/06/2006	Diagnosis	Routine gynecological exa	Add Comment
12/06/2006	Procedure	CYTOPATH SLIDES CERV/VAG; MNL SCR UND PHYS SUP	Add Comment
12/06/2006	Procedure	OFC/OUTPT VISIT E&M ESTAB MOD-HI SEVRTY 40 MIN	Add Comment
12/06/2006	Diagnosis	SCREEN MAL NEOP-CERVIX	Add Comment
12/06/2006	Diagnosis	DMII RENL NT ST UNCNTLRLD	Add Comment
12/06/2006	Diagnosis	SCREEN MAL NEOP-RECTUM	Add Comment
12/06/2006	Diagnosis	ESOPHAGEAL REFLUX	Add Comment
11/20/2006	Medication	PRECISION XTRA TEST STRIPS	Add Comment
11/20/2006	Procedure	OFC/OUTPT VISIT E&M EST MOD-HI SEVERITY 25 MIN	Add Comment
11/20/2006	Diagnosis	DMII WO CMP UNCNTLRLD	Add Comment
11/20/2006	Diagnosis	HYPERTENSION NOS	Add Comment
11/20/2006	Diagnosis	HYPERLIPIDEMIA NEC/NOS	Add Comment
11/16/2006	Medication	METFORMIN HCL ER 500 MG TAB	this drug gives me hives View/Edit Comment
11/16/2006	Medication	ALPRAZOLAM 0.5 MG TABLET	Add Comment
11/15/2006	LabTest	CHOLESTEROL TOTAL;CHOL ESTEROLS;	Add Comment
11/15/2006	LabTest	ASPARTATE TRANSAMINASE;AST;SGOT;	Add Comment
11/15/2006	LabTest	ASPARTATE TRANSAMINASE;AST;SGOT;	Add Comment
11/15/2006	LabTest	HGB;HAEMOGLOBIN;GLYCATED;GLYCOSYLATED	Add Comment
11/15/2006	LabTest	THYROID STIMULATING HORMONE;TSH;	Add Comment
11/15/2006	LabTest	MCV RED BLOOD CELL;MCV RBC, ERYTHROCYTE MEAN CORPUSCULAR VOLUME	Add Comment
11/15/2006	LabTest	TOTAL PROTEIN; TP	Add Comment
11/15/2006	LabTest	RDW-CV;RED BLOOD CELL;RBC; RED CELL MORPHOLOGY INDEX; RCMI	Add Comment
11/15/2006	LabTest	RED BLOOD CELLS; RBC	Add Comment
11/15/2006	LabTest	NA;	Add Comment
11/15/2006	LabTest	BILIRUBIN GLUCURONIDES;BILIRUBIN DIRECT;BILIRUBIN CONJUGATED;	Add Comment
11/15/2006	LabTest	TOTAL PROTEIN; TP	Add Comment
11/15/2006	Procedure	COMPREHENSIVE METABOLIC PANEL	Add Comment
11/15/2006	Procedure	LIPID PANEL	Add Comment

An Architectural View of PHR's



Microsoft HealthVault



Welcome to HealthVault

Be well. Protected.

When it's your job to protect your family's health, you need every advantage. Imagine if you had a way to collect, store, and share the health information critical to your family's well-being.

HealthVault is the new and **FREE** way to do just that.

Imagine controlling the flow of your health information. Whether you need to search the Web for the most up-to-date treatments, catalog existing health records, receive test results, or monitor current physical readings — HealthVault gives you the control you need.



Our Health Privacy Commitment

1. The Microsoft HealthVault record you create is controlled by you.
2. You decide what goes into your HealthVault record.
3. You decide who can see and use your information on a case-by-case basis.
4. We do not use your health information for commercial purposes unless we ask and you clearly tell us we may.

To read our full Privacy Statement, [click here](#).



HealthVault Search

The new way to search for healthcare articles and health information on the Web.

[Learn More](#)

Web Health Search

[Search Health](#)



HealthVault Account

The revolutionary and **FREE** way to collect, store, and share your health information with Web sites and doctors.

[Learn More](#)

➤ [Already a member? Sign in](#) Not a member? [Create a HealthVault Account](#)

➤ [Web sites that use Microsoft HealthVault](#)



HealthVault Connection Center

Connect a wide variety of HealthVault-compatible devices from partners to your PC, and upload the data to your HealthVault account.

[Learn More](#)

➤ [Download Device Drivers](#)

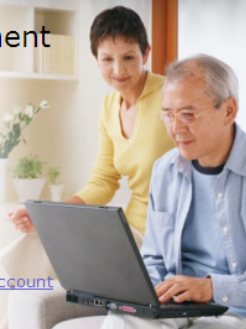
➤ [Download HealthVault Connection Center](#)

Online Health Management

Be well. Protected.








With HealthVault, all of your health information is in one place that you control. Created in cooperation with leading privacy advocates, respected security experts, and dozens of the world's leading healthcare organizations, HealthVault was built on the principle that you should control your own health records.

- Already a member? [Sign in](#)
- Not a member? [Create a HealthVault Account](#)



Getting Started

- 1 **CREATE A HEALTHVAULT ACCOUNT:** It's easy to sign up for HealthVault, and your account will be ready to use immediately. To sign up for HealthVault, click [here](#) and follow the onscreen instructions.
- 2 **VIEW YOUR HEALTH RECORD:** When you sign in to your HealthVault account, you can view the health information stored in your Health Record, see the history of who has accessed the data and what has been changed, and share health information with other people or Web sites.
- 3 **USE YOUR HEALTH RECORD:** One of the main ways that health information is added to HealthVault is through partner Web sites. These sites perform specific tasks, such as logging and graphing your exercise statistics. You have complete control over what information these sites can read, add, or change in your Health Record. Partner sites are listed below.

PARTNER	WEB SITE
	<p>American Heart Association and American Stroke Association www.americanheart.org</p> <p>Blood Pressure Management Center: Welcome to the Blood Pressure Management Center! Use it to manage your blood pressure, weight and physical activity, and receive education and information specific to your condition.</p> <p>➤ Learn More</p>
	<p>CapMed www.capmed.com</p> <p>ICE: In Case of Emergency: The CapMed icePHR combines the award-winning CapMed Personal Health Record with the power of the Microsoft HealthVault to make relevant medical records readily available "In Case of Emergency (ICE)".</p> <p>➤ Learn More</p>
	<p>HealthyCircles www.healthycircles.com</p> <p>HealthyCircles is an online tool to easily manage and store your health information. By way of a friendly interface, it transforms your health information into interactive graphs and health reports for you and your health care provider.</p> <p>➤ Learn More</p>
	<p>HealthVault www.healthvault.com</p> <p>HealthVault Connection Center: Connection Center is a utility you can use to add data to health records in your HealthVault account from health and fitness devices.</p> <p>➤ Learn More</p>
	<p>Kryptiq www.kryptiq.com</p> <p>Connect IQ: It allows you to securely communicate and share health information, such as blood pressure values, blood glucose values, and discharge documents with your physician.</p> <p>➤ Learn More</p>
	<p>Peakware www.peakware.com</p> <p>TrainingPeaks: TrainingPeaks provides monitoring, analysis and planning tools for endurance training. Subscribers can use the Virtual Coach and collect data from leading heart rate, power, and GPS devices.</p> <p>FitnessPeaks: FitnessPeaks provides meal plans, training plans and the ability to connect with personal trainers. Subscribers can track activities and collect data from leading heart rate, power, and GPS devices.</p> <p>➤ Learn More</p>
	<p>PureWellness www.purewellness.com</p> <p>PureWellness: myPurewellness helps you to create a more healthy life via expert diet and fitness advice and tools, health assessments, and educational guides.</p> <p>➤ Learn More</p>

Health and Wellness Devices




Be well. Connected.

Find home health and wellness monitoring devices like sport watches, blood glucose monitors, peak flow meters, and blood pressure monitors that work with HealthVault Connection Center.








➔ [Download HealthVault Connection Center](#)

Getting Started

- 1  **INSTALL CONNECTION CENTER:** Before installing any device drivers, you must download and install HealthVault Connection Center from the Microsoft Download Center [here](#). HealthVault Connection Center gives you an integrated view of all your installed health and fitness devices, and helps you upload the information from your devices to your HealthVault account.
- 2  **FIND YOUR DEVICE:** In the list below, locate your manufacturer and the device type. Click that link and you will go to a partner page on this site.
- 3  **INSTALL DRIVER:** On the partner page, click the link to download the appropriate device driver.

CONGRATULATIONS! Now you can upload and store data from your health devices to your HealthVault account, and then share that data with Web sites that you are using to manage your health.

PARTNER	DEVICE
 Home Diagnostics <small>Dedicated To Diabetes Management</small> www.homediagnostics.com	With a dedicated focus on exceeding the needs of its customers, Home Diagnostics, Inc. has established itself as a leader in diabetes management and blood glucose monitoring systems. ➔ Blood glucose monitors
 Johnson & Johnson LifeScan www.lifescan.com	LifeScan, Inc., a Johnson & Johnson Company, is committed to improving the quality of life for people with diabetes with its OneTouch Diabetes Management Meters and Programs. ➔ Blood glucose monitors
 Microlife www.microlifeusa.com	Microlife is the world leader in the development and manufacturing of accurate medical diagnostic equipment for institutional and home use. Hypertension, fever, respiratory and weight management are Microlife's core business. ➔ Blood pressure monitors ➔ Peakflow meters
 Omron www.omronhealthcare.com	Omron Healthcare is a leader in the development of medical equipment for the prevention or treatment of hypertension, respiratory problems, obesity and diabetes. ➔ Blood pressure monitors
 Polar www.polarusa.com	Founded in 1977, Polar Electro Ltd. is the leading brand in improving health and well-being through the understanding of human physiology and the environment. ➔ Heart rate monitors



Welcome, David lansky

Microsoft HealthVault is a new personal health platform that lets you gather, store, and share health information online.

You are working with the following Health Record:



David
Self

Health Details

View or add health information for this record in your account, including information added by the many programs that work with HealthVault.

[→ Go to Health details](#)

- [→ Health Details](#)
- [→ Document Library](#)
- [→ Sharing](#)
- [→ Programs](#)
- [→ History of changes](#)
- [→ Record Profile](#)



Switch to another record:

Click a record image to view health. You only have one record. [Click here](#) to add more details

- [→ View all records](#)
- [→ Create a new Health Record](#)

When it's your job to protect your family's health, you need every advantage. Imagine if you had a way to collect, store, and share the health information critical to your family's well-being.

HealthVault is the new and free way to do just that.

Google Health

Sign in to Google Health with your

Google Account

Username:

Password:

Remember me on this computer.

[Forgot account or account](#)

Not using Gmail or other Google Account services?

[Create a new account now](#)

Google Health privacy policy

Google respects the privacy of your health information. [Learn more](#)

Google
Health BETA

[Browse health topics »](#)

Sam

Profile summary



[Notices](#)

[Drug interactions](#)

[Profile details](#)

[Add to this profile](#)

[Import medical records](#)

[Explore health services](#)

[Medical contacts](#)

[Find a doctor](#)

[Create a new profile](#)



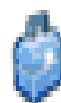
[Add to this Google Health profile](#)

Learn about your health issues and find helpful resources



[Import medical records](#)

Copy and get automatic updates of your records



[Explore online health services](#)

Find online tools for managing your health



[Find a doctor](#)

Search by name, location, and specialty

[Conditions](#)

Bunion - [Reference](#)

Cirrhosis - [Reference](#)

Migraine headaches

Type 2 diabetes - [Reference](#)

[Medications](#)

Amoxicillin - 500 mg

Aspirin - 80 mg

Lipitor - 20 mg

[Allergies](#)

Penicillins - Severe

- Sam
- Notices
- Drug interactions
- Profile details
- Add to this profile
- Import medical records
- Explore health services
- Medical contacts
- Find a doctor

Add to this profile

- Conditions
- Medications
- Allergies
- Procedures
- Test results

Enter a condition or symptom:

Diabet[...]

- Diabetes Insipidus
- Diabetes insipidus, nephrogenic
- Diabetes mellitus, type 2
- Type 1 Diabetes
- Type 2 Diabetes
- Central Diabetes Insipidus
- Gestational Diabetes
- Diabetes, type 1
- Abdominal Aortic Aneurysm (AAA)

OR

N O P Q R S T U V W X Y Z 0-9

Profile summary



Conditions

- Bunion [Reference](#)
- Cirrhosis [Reference](#)
- Migraine headaches [Reference](#)
- Type 2 Diabetes [Reference](#)

Medications

- Amoxicillin - 500 mg
- Aspirin - 81 mg

Add this page to a Google Health profile

Type 2 Diabetes

Type 2 diabetes is a life-long disease marked by high levels of sugar in the blood. It occurs when the body does not respond correctly to insulin, a hormone released by the pancreas. Type 2 diabetes is the most common form of diabetes.

Illustrations





Import medical records

[Explore health services](#)

These websites offer per...
When you link a website to...
and update information in y...
when you sign up with each...

Google doesn't own or end...
policy does not pertain to c...



Link to profile

St. Luke's Hospital is asking permission to set up a secure link with one of your Google Health profiles.

St. Luke's Hospital is requesting permission to send information to your profile.

Select the profile you want St. Luke's Hospital to link to:

- Sam
- Suzie
- Tom

Google Health won't allow St. Luke's Hospital to send information unless you click 'Yes, link my accounts' below. Google won't share your password or any other Google Accounts information with St. Luke's Hospital. You can withdraw your approval at any time by signing in to Google Health and deleting St. Luke's Hospital from the list under 'Settings > Profile name > Linked accounts'. [Learn more](#)

Yes, link my accounts

[Cancel](#)

Profile summary



Conditions

Bunion [References](#)

Cirrhosis [References](#)

Migraine headaches

Type 2 Diabetes

Medications

Amoxicillin - 50

Aspirin - 81 mg

Lipitor - 20 mg

Allergies

Penicillins - Sev



Search the web

[Browse health topics >](#)

Sam

[Notices](#)

[Drug interactions](#)

[Profile details](#)

[Age, sex, height...](#)

[Conditions](#)

Medications

[Allergies](#)

[Procedures](#)

[Test results](#)

[Immunizations](#)

Medications [Add medications to profile](#)



Name	Dosage and frequency	Refills left	Received from	Record
Amoxicillin by mouth Package insert	50 mg/mL Suspension for Reconstitution Take 1, 1 time per day in the morning	-	St. Luke's Hospital	Add record Edit Delete
Amoxicillin by mouth	500 mg Tablet Take 0.5, 1 time per day	-	St. Luke's Hospital	Edit Delete
Amoxicillin by mouth	500 mg Tablet Take 1, 1 time per day	-	St. Luke's Hospital	Edit Delete
Amoxicillin by mouth	250 mg Capsule Take 1, 1 time per day	-	St. Luke's Hospital	Edit Delete
Aspirin by mouth Package insert	81 mg Tablet, Delayed Release (E.C.) Take 1, 1 time per day	-	User-entered	Add record Edit

Search the web

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Drug interactions

This information is generalized and not intended as medical advice. Consult your healthcare professional before starting, stopping, or changing any drug or course of treatment.

 Requires immediate attention  Discuss with your doctor soon

Amoxicillin and allergy to Penicillins

[Amoxicillin Oral](#) contains [Penicillins](#). This can cause a severe allergic reaction in people who are allergic to [Penicillins](#) because [Penicillins](#) is a member of the [Penicillins](#) class.

Lipitor and Hardening of the Liver

Medications given to people who have certain conditions can lead to an increase in side effects and/or worsening of the condition. [Lipitor Oral](#) generally should not be given to people with [Hepatic Cirrhosis](#). This health profile includes this condition.

Drug interaction information provided by [SafeMed](#)

Reference: [First DataBank](#)

Medications Organizer

 [Print](#) -  [Remind me](#)

Early morning

At breakfast

Afternoon

At dinner

Before bed

Sunday

- Monopril, 1 tablet
- Metformin, 2 tablets
- Isordil, 1 tablet

- Isordil, 1 tablet

- Lipitor, 1 tablet
- Aspirin (delayed release), 1 tablet
- Metformin, 2 tablets
- Isordil, 1 tablet
- Atenolol, 1 tablet

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Medications Organizer is asking permission to set up a secure link with one of your Google Health profiles

Medications Organizer is requesting permission to read and send information to your profile

Select the profile you want **Medications Organizer** to link to:

- Sam
- Suzie
- Tom

Google Health won't allow Medications Organizer to read or send information unless you click 'Yes, link my accounts' below. Google won't share your password or any other Google Accounts information with Medications Organizer. You can withdraw your approval at any time by signing into Google Health and deleting Medications Organizer from the list under 'Setting > Profile name > Linked accounts.' [Learn more](#)

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Find a doctor

Family Practice

south bend, ind

Results 1 - 10 of about 4552 for Family Practice s

Cardenas Ana S MD: Family Practice by

1234 1st Street, South Bend, Indiana
(555)-123-6543

[Website](#) - [Directions](#) - [Save to medical contacts](#)

South Bend Clinic the: Physician Medicin

1234 1st Street, South Bend, Indiana
(555)-123-6543

[Website](#) - [Directions](#) - [Save to medical contacts](#)

Clayton David L MD

1234 1st Street, South Bend, Indiana
(555)-123-6543

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e.g., "10 market st, san francisco" or "hotels near lax"

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Maps

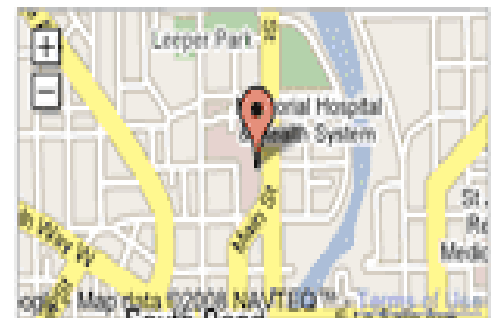
Clayton David L MD

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1234 1st Street,
South Bend, Indiana
(555)-123-6543

Get Directions: [To here](#) - [From here](#)

[Edit](#) New!



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[Details](#) (3)

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[Web Pages](#) (6)

Links: [Rate Doctor](#), [Free Profile](#), [Patient Feedback](#)

Physician Name: David L. Clayton

Insurance Plans Accepted: Health Plans Accepted include Aetna

Medical School: In University School Of Med, Indianapolis, IN, US, 1973

[More from Healthgrades.com >](#)

Physician Name: David L. Clayton (MD)

Educational Experience: Royal College Of Physicians And Surgeons Of Dublin

Professional Certification: Family Practice

Gender: Male

[More from Vimo.com >](#)

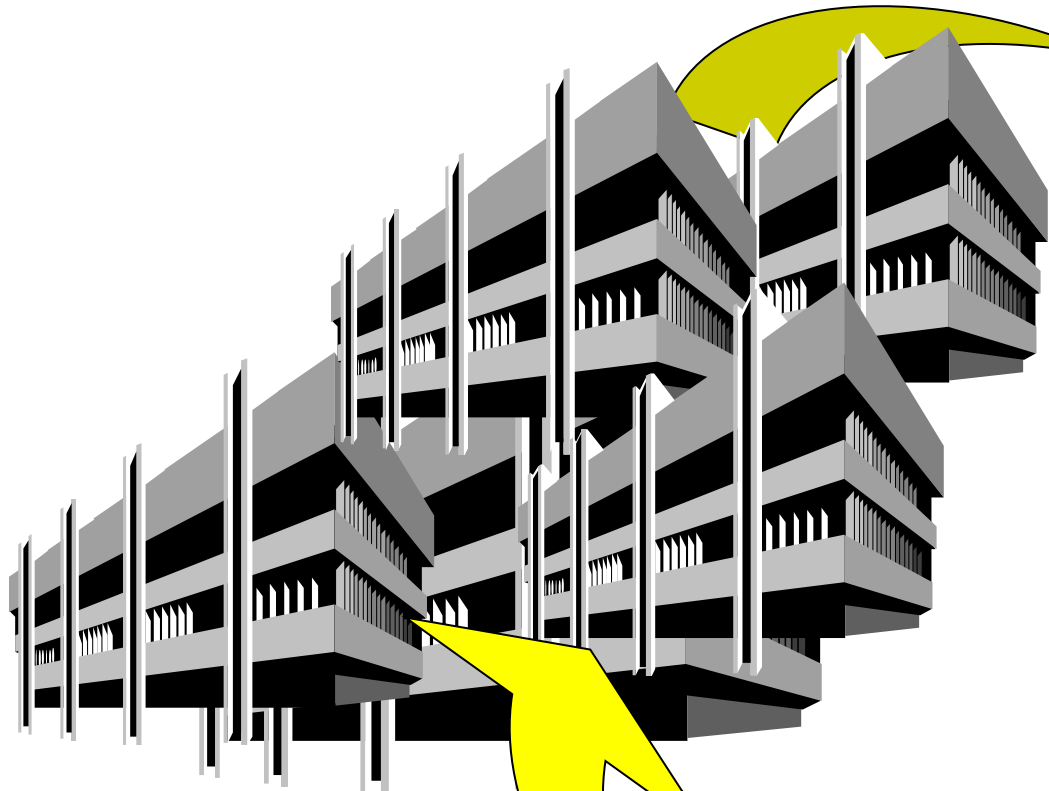
A vision of
information for action

What do people need to do to be healthy?

Motivate
Monitor
Mentor
Mend
Manage!



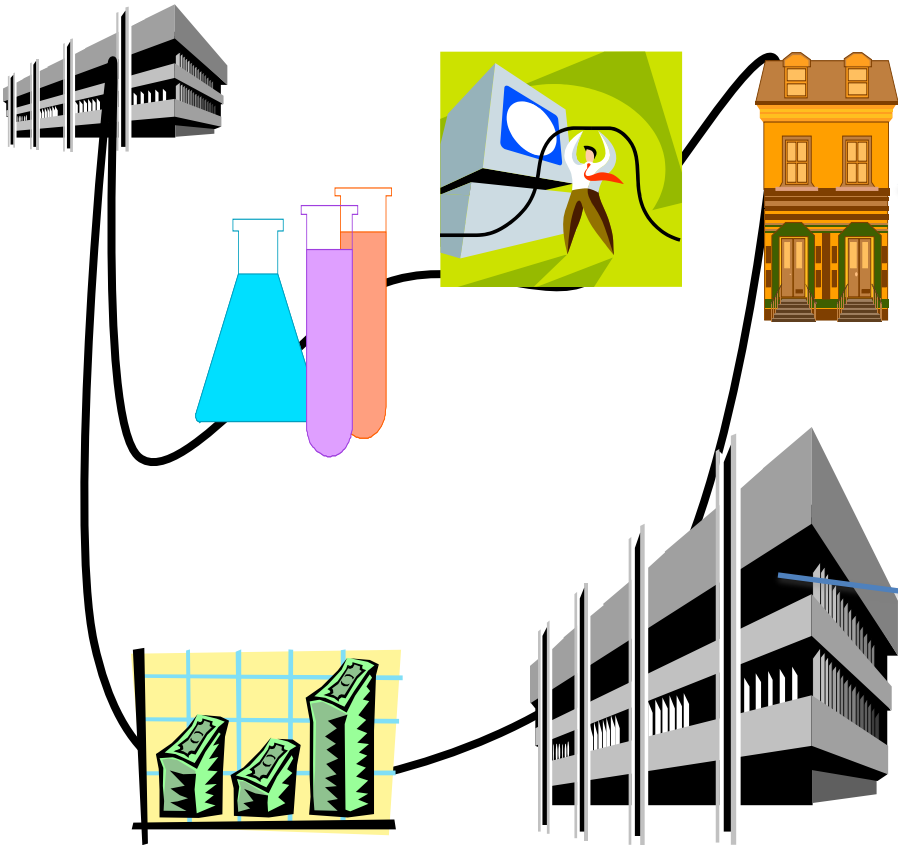
Engaged
patients & providers,
payors & employers
public health authorities



**It's not the
PHR --
It's what you
do with it!**

Robust,
interoperable
data exchange

The last 10 feet! Where does it lead to?

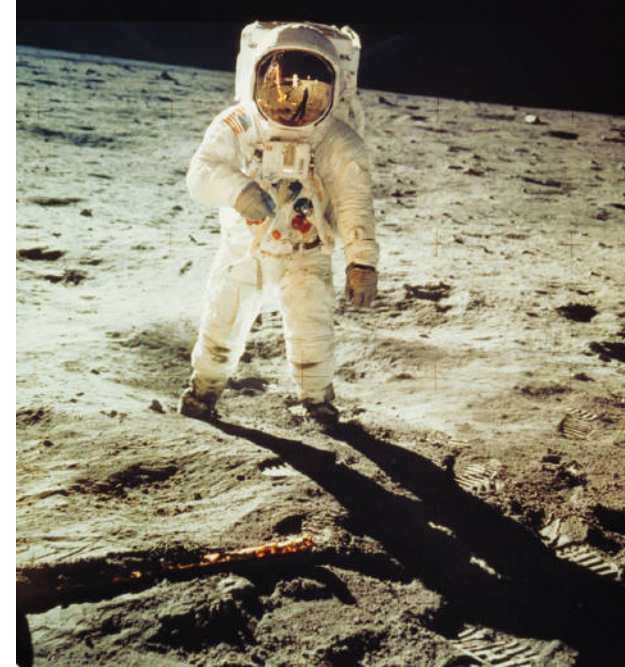


Making Sure Everyone Understands!



- Information for Action requires information that can be understood
 - As presented to the patient
 - Language
 - Affect
 - Symbolism
 - As communicated to the clinician
 - Clinically meaningful
 - Personally expressive

Sometimes the endpoint is in motion!



charm

adaptive **path**



**Devise creative ways to bridge
the last 10 feet of connectivity,
mindful of the context where
the person lives and works and
needs the information**

Bridging the last 10 feet

- Know where the person is
 - Home
 - On-the-go
 - Work
 - Clinician's office
- Know who is with them
 - Alone
 - Personal health information manager (pHIM)
- Know how they know
 - Language
 - Actionability

Know where the person is

Home

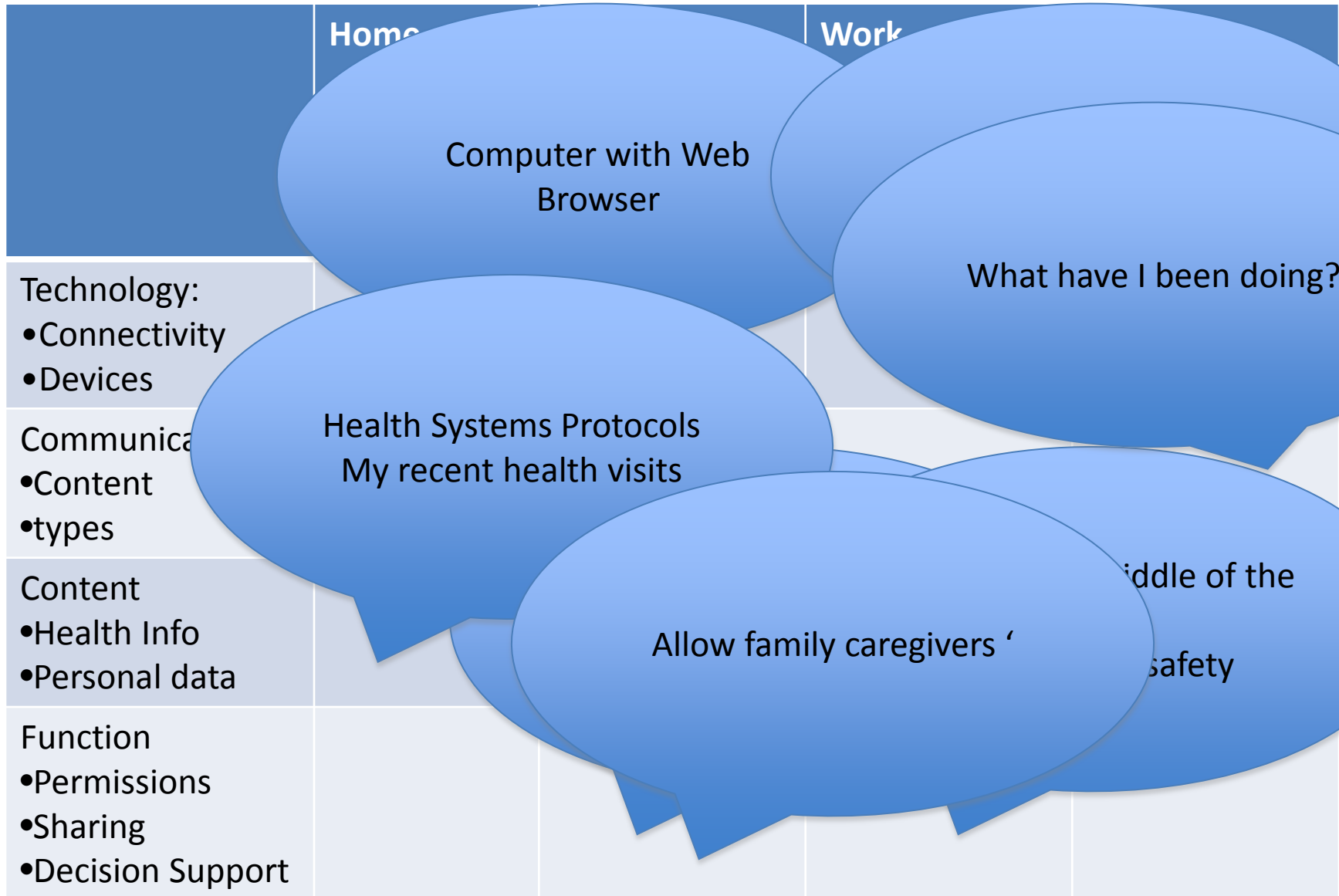
On-the-go

Work

Clinician's office

	Home	On-the-go	Work	Clinician's office
Technology				
Communicate				
Content				
Function				

Know where the person is



Know who is with them

Know how they know

Language

Actionability

Discussion

Questions????

healthsystems.engr.wisc.edu

pbrennan@engr.wisc.edu