Consumers: Shifting the Health Paradigm

The Consumer as an agent of change

Data Advances in Medicine

THEN

- Monitoring
- MD exam
- Nurse observations

NOW

Radiology

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- EKG
- Labs
- Meds
- Monitoring
- MD exam
- Nurse observations

THEN

NOW

TOMORROW

Data Advances in Medicine

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THEN

- Monitoring
- MD exam
- Nurse observations

NOW

- Radiology
- EKG
- Labs
- Meds
- Monitoring
- MD exam
- Nurse observations

TOMORROW

- Continuous location tracking
- Constant vital signs monitoring
- Transcutaneous monitoring of glucose, ETOH, etc.
- Noninvasive testing
- Exhaled breath analysis
- Testing to maintain wellness
- Increased image utilization
- Genomic data
- Proteomics
- Personalized pharmacy
- Radiology
- EKG
- Labs
- Meds
- Monitoring
- MD exam
- Nurse observations

THEN

NOW

TOMORROW

Consumer Access to Health Data



NOW

TOMORROW

Microsoft Health Solutions Group

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Consumer Access to Health Data

Access to the Web

Broadband penetration

THEN

NOW

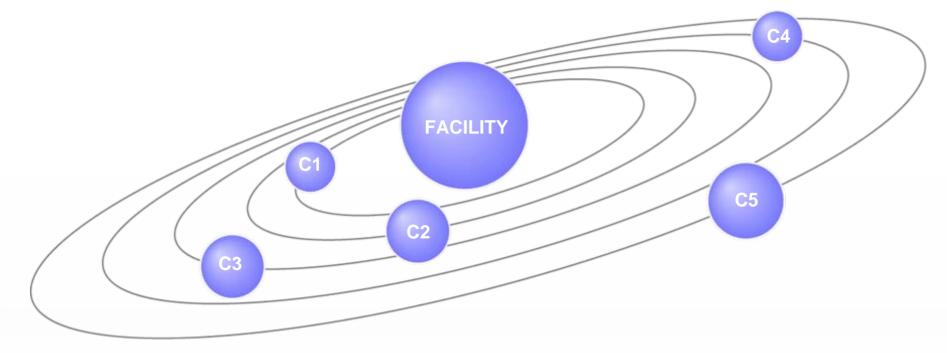
TOMORROW

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The Traditional Healthcare Universe

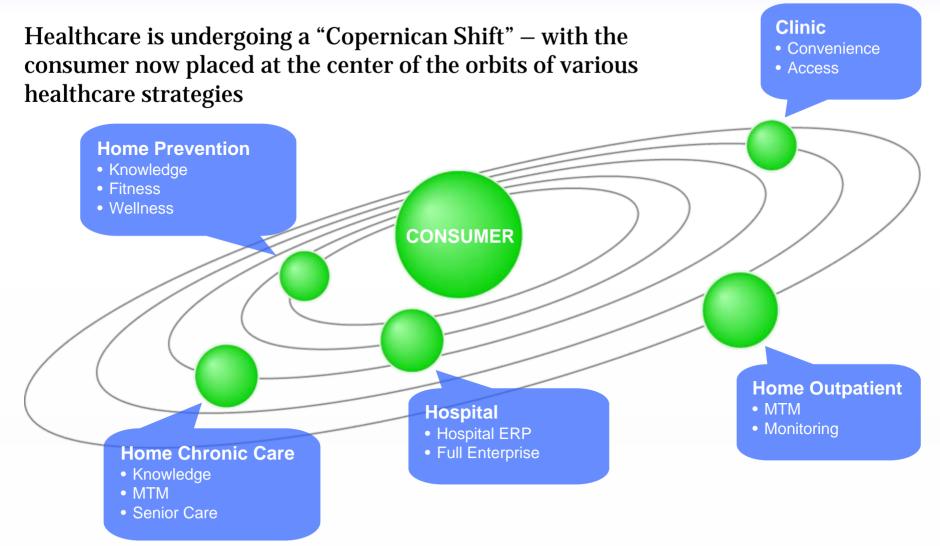
Consumers (C1 to C5) are forced to interact with facilities – focused around the needs of the healthcare provider, employer, payer or supplier, not the consumer





In 1543, Copernicus was the first to propose that the Earth rotated around the sun, while accepted scientific thought at the time believed that the Earth was the center of the universe. Copernicus effectively "changed the center of the universe".

Healthcare's "Copernican Shift"

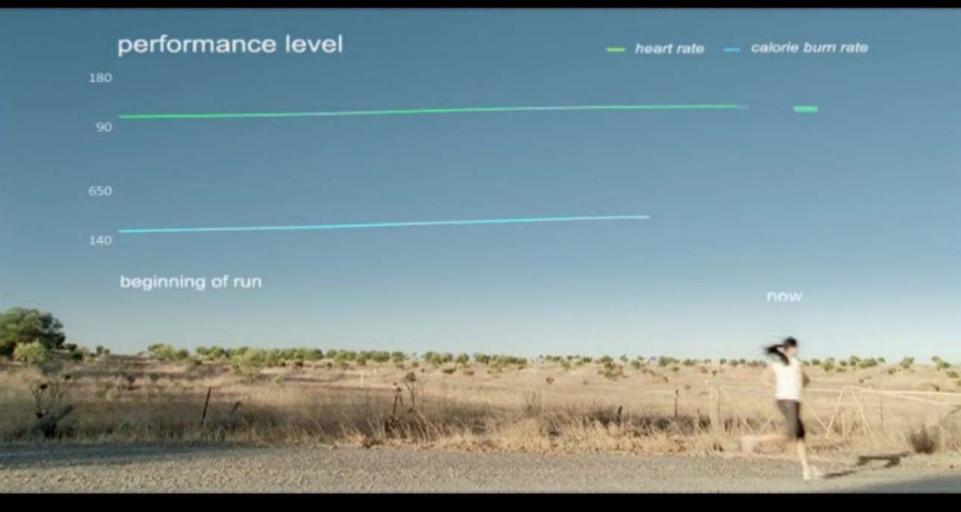


Shifting Roles: Shifting Economics

- The healthcare industry needs a low cost way to contribute data by source data provider so that it's easy for consumers to have a **COMPLETE** and **AGGREGATE** view of her health state/needs/activity
- As an industry, we need to make it easy to get DATA LIQUIDITY with existing and future STANDARDS

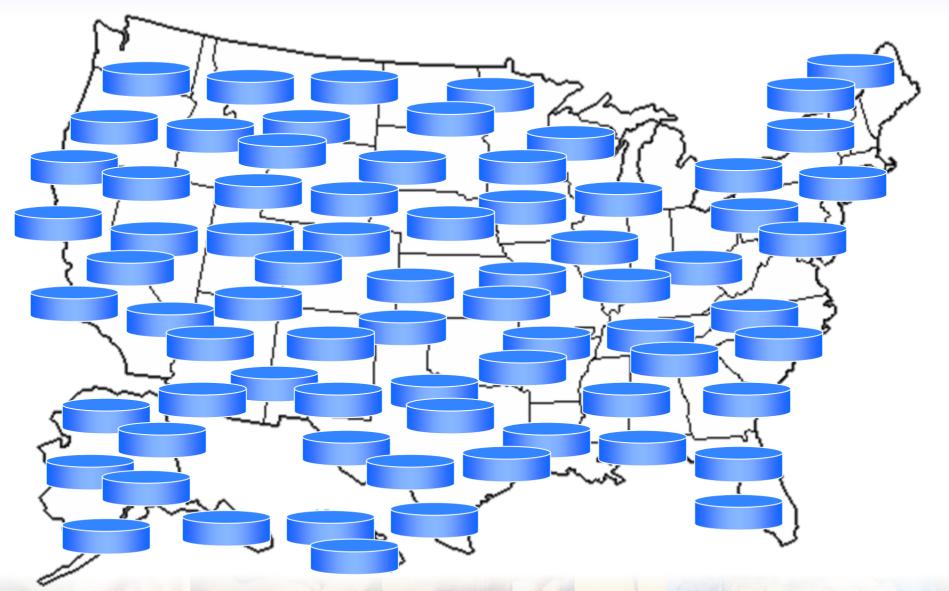


Video: The Future of Healthcare

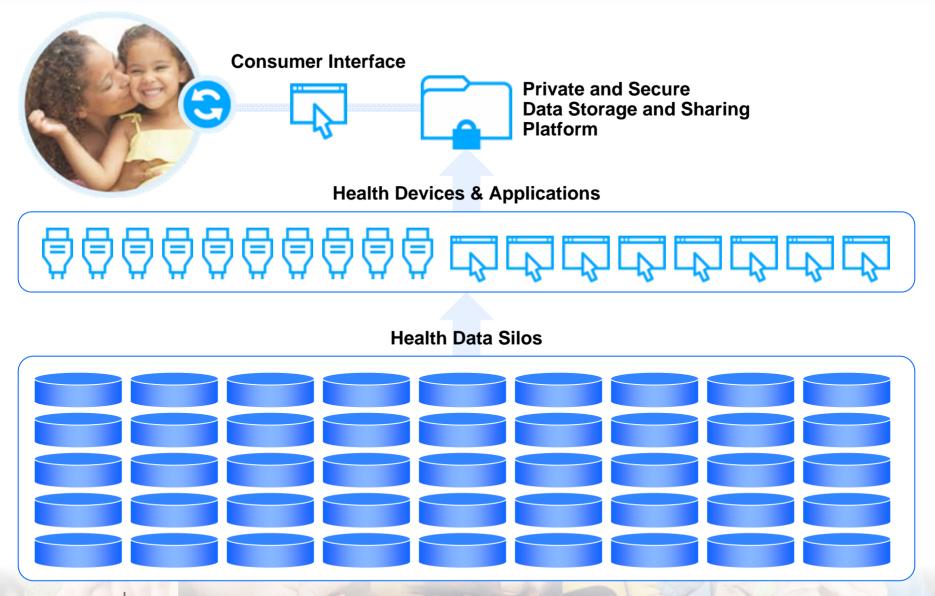


Lowering The Barriers

Silos of Data



Consumers as the Aggregators



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diabetes

Refine your search for Diabetes

Show more refinements

Personal Health	Conditions	Procedures	Drugs & Substances
Smoking	Type II Diabetes	Body Mass Index	Insulin
Exercise	High Blood Pressure	Glycosylated	Glucophage
Family History	Obesity	Hemoglobin	Pioglitazone
		Dieting	

- Alternative Medicine Nutrition Herbal Therapy Vitamin F
 - Dietary Fiber Saturated Fat Coffee

Web Results

MSN Health & Fitness: Diabetes Center

Diabetes and Insulin Resistance information at diabetes com

Diabetes And insulin resistance definitions and information on insulin and type 2 diabetes Alphaglucosidase inhibitors Beta cells Beta cell stimulants Biguanide agents Diabetic ketoacidosis http://www.diabetes.com/insulin resistance.html

Diabetes Information - Insulin

FDA Diabetes Information ... Many people with diabetes take insulin to control their blood sugar (glucose) http://www.fda.gov/diabetes/insulin.html

Diabetes

Treatment is diabetes pills and sometimes insulin injections, as well as diet and exercise. You May Have: any of the symptoms of type 1 diabetes; a lot of infections; cuts or bruises that heal slowly ... http://www.fda.gov/opacom/lowlit/diabetes.html

CDC's Diabetes Program - FAQs - Basics About Diabetes

Nausea, vomiting, or stomach pains may accompany some of these symptoms in the abrupt onset of insulin-dependent diabetes, now called type 1

Sponsored Results

11-2-31

Diabetics: Save time and money Complete this free survey from the Diabetic Alliance

Have you been diagnosed with Diabetes?

Yes

No

Do you use a meter to test your glucose?

0 Yes

No 0

Would you like to receive your testing supplies at little or no cost, shipped to your home or free?

0 Yes

No

Take the survey now

Clicking will NOT open a new Web page (you can review your data before it's final)

Article Results

Iron



Diabetes insipidus (H) MayoClinic.com

Introduction

When you hear the term "diabetes insipidus," you may immediately assume the condition is related to what's commonly known as "sugar" diabetes, or type 1 and type 2 diabetes mellitus. While the disorders share a name and have some common signs, in actuality diabetes mellitus (type 1 and type 2) and diabetes insipidus are unrelated.

Diabetes insipidus (DI) is a disorder characterized by intense thirst and by the excretion of large amounts of urine (polyuria). In most cases, it's the result of your body not properly producing, storing or

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Introduction When you hear the term " may immediately assume what's commonly known a 1 and type 2 diabetes me share a name and have so actuality diabetes mellitus diabetes insipidus are unr Diabetes insipidus (DI) is	the condition is related to as "sugar" diabetes, or type llitus. While the disorders ome common signs, in a (type 1 and type 2) and elated. a disorder characterized by excretion of large amounts t cases, it's the result of	diabetes.com Diabetes And insulin resis information on insulin and glucosidase inhibitors Bet Biguanide agents Diabetic http://www.diabetes.com/i Diabetes Information - I FDA Diabetes Information diabetes take insulin to co (glucose) http://www.fda.gov/diabete Diabetes Treatment is diabetes pills injections, as well as diet Have: any of the symptom infections; cuts or bruises http://www.fda.gov/opacon CDC's Diabetes Progra	esistance information at trance definitions and type 2 diabetes Alpha- a cells Beta cell stimulants ketoacidosis insulin_resistance.html Insulin Many people with ontrol their blood sugar es/insulin.html and exercise. You May is of type 1 diabetes; a lot of that heal slowly n/lowlit/diabetes.html am - FAQs - Basics About mach pains may accompany in the abrupt onset of	 1-2-3 Diabetics: Save time an Complete this free surve Diabetic Alliance Have you been diagnosed w Yes No Do you use a meter to test you Yes No Would you like to receive you supplies at little or no cost, your home or free? Yes No Yes No Clicking will NOT open a net (you can review your data be) 	n testing shipped to now w Web page

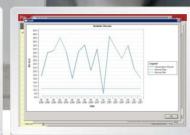
Data Explosion vs. Population Explosion

Realizing the Potential for Research











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A New Way To Research



Video: Collaborating to Fight HIV

Collaborating to Fight HIV

Microsoft Research

Microsoft Health Solutions Group

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Blind Man and the Elephant



Microsoft Health Vision

To improve health, around the world

The Beginning of a Long Journey...



This is a long journey

Healthcare is a big and complex issue, and no single company is going to provide a complete end-to-end solution.

