

A brief history of how **Health 2.0** 
*is going to change health care for patients,
doctors, and everyone else*

Matthew Holt

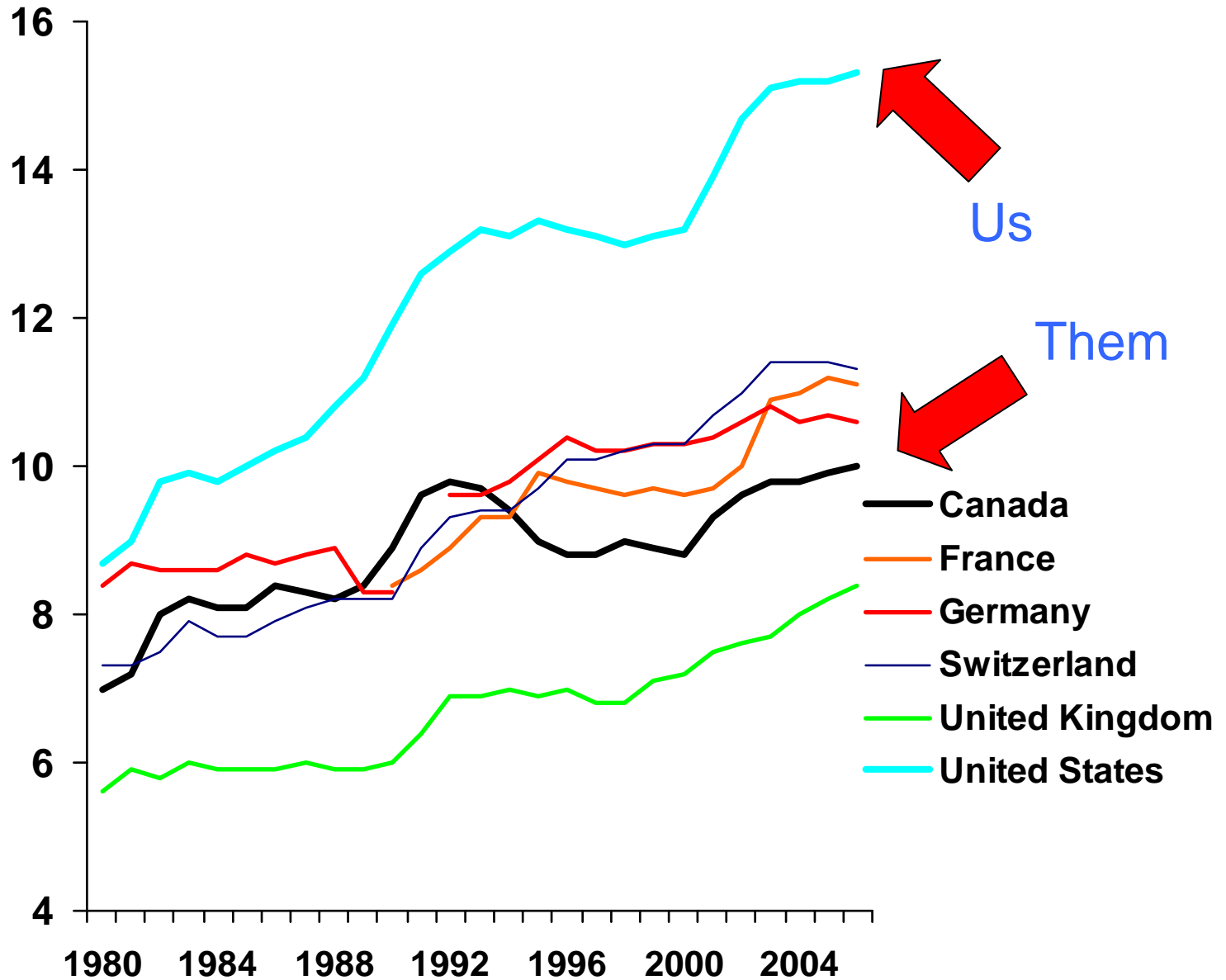
Co-Chairman,
Health 2.0
San Francisco, California, USA

matthew@health2con.com
@boltyboy

the problem

Health spending as share of GDP

Average
spending on
health
per capita
(\$US PPP)



Source: Gerard F.
Anderson, Ph.D.,
and Patricia
Markovich,
Data: OECD Health
Data 2008 (June
2008)
Commonwealth
Fund 2008

Dollars spent per capita

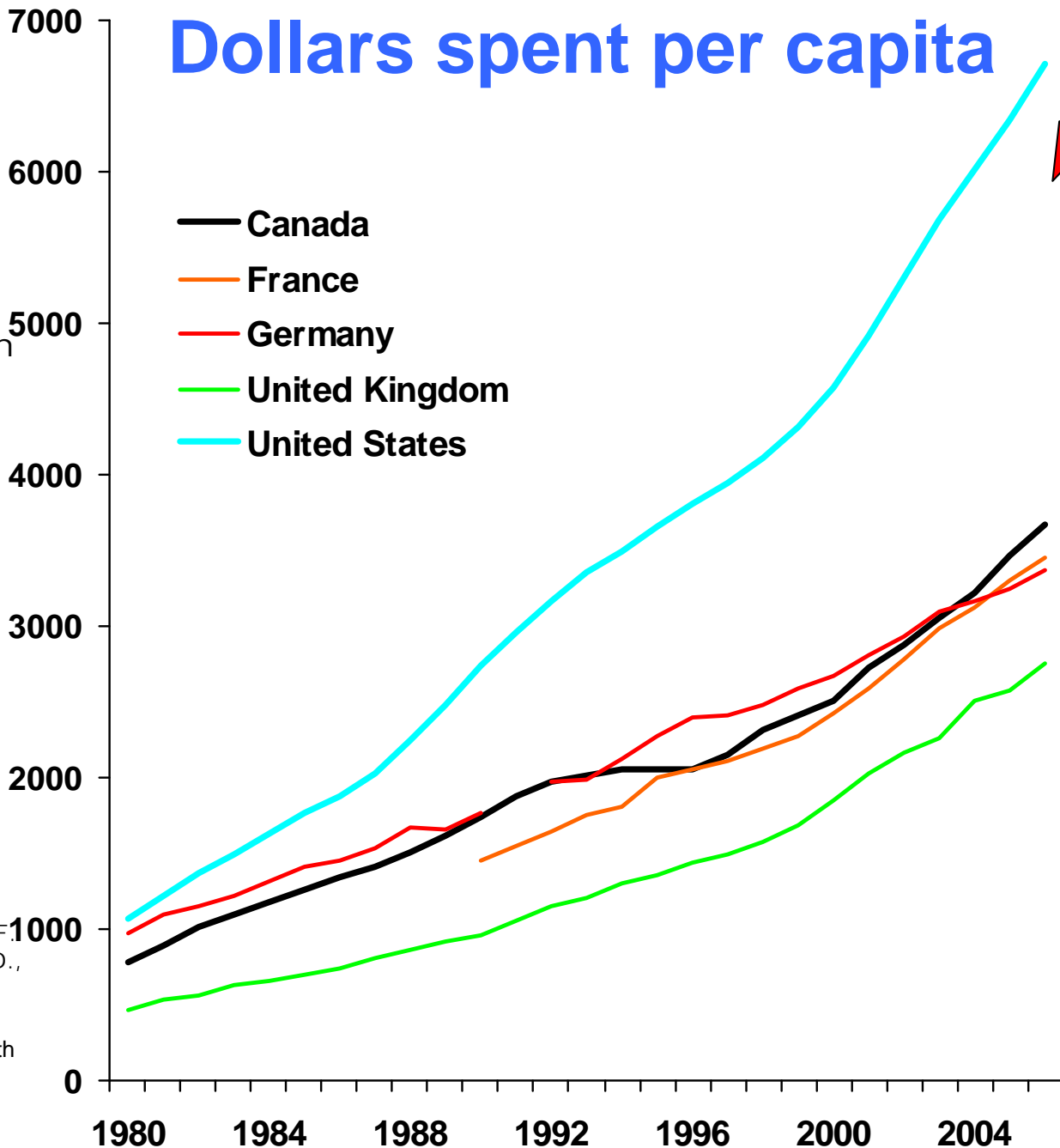
Average
spending on
health
per capita
(\$US PPP)

- Canada
- France
- Germany
- United Kingdom
- United States

Us

Them

Source: Gerard F.
Anderson, Ph.D.,
and Patricia
Markovich,
Data: OECD Health
Data 2008 (June
2008)
Commonwealth
Fund 2008



$$I = f(PDI) = f(M5B + MBZ)$$

Where:

- **I** is increase in health care costs
- **PDI** is physicians' desired income
- **M5B** is mortgage payment on a 5 bedroom house with a pool
- **MBZ** is monthly lease on a new 300 series Mercedes

the reason for
the problem

Who can't do chronic care?

Views of the Health Care System *from those with chronic illness*

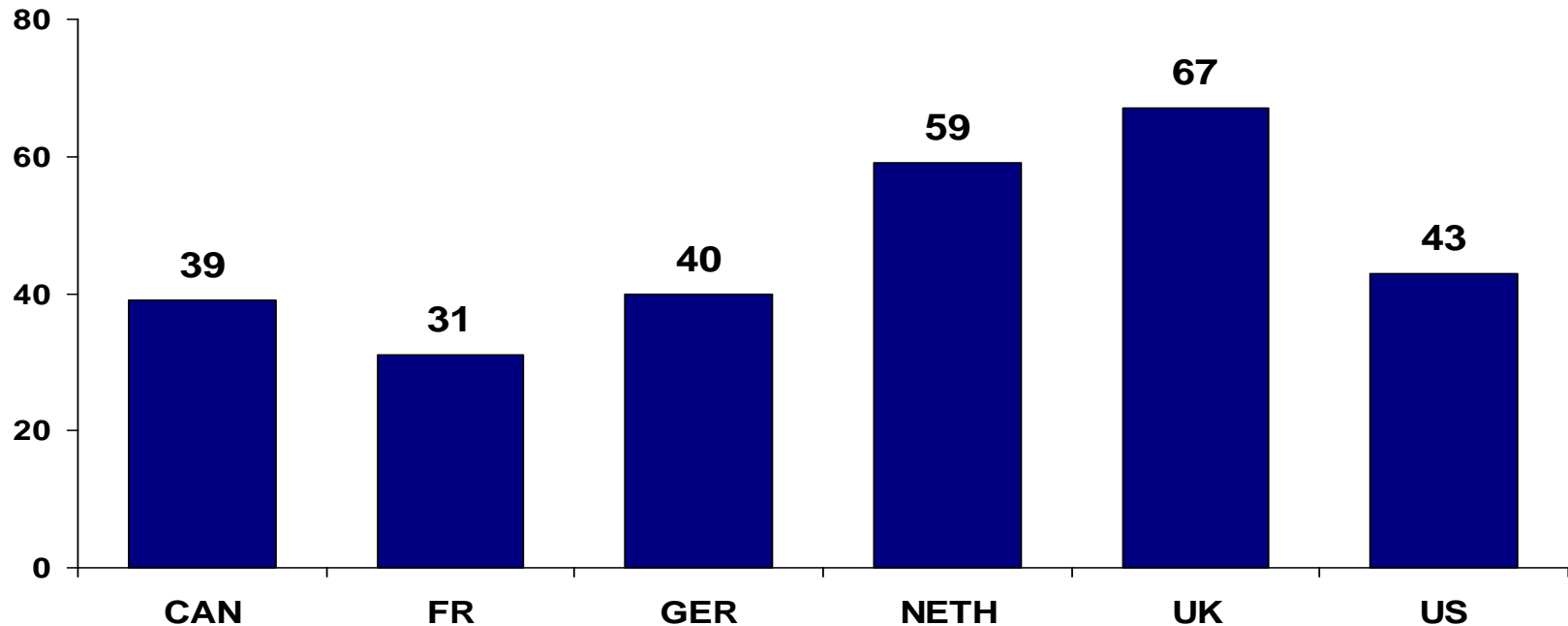
Percent	AUS	CAN	FR	GER	NETH	NZ	UK	US
Only minor changes needed	22	32	41	21	42	29	38	20
Fundamental changes needed	57	50	33	51	46	48	48	46
Rebuild completely	20	16	23	26	9	21	12	33

Base: Adults with any chronic condition

Data collection: Harris Interactive, Inc.
Source: 2008 Commonwealth Fund International Health
Policy Survey of Sicker Adults.

Disease managed? Maybe not...

% of diabetics who *received* four key preventative services*



* Hemoglobin A1c checked in past six months; feet examined for sores or irritations in past year; eye exam for diabetes in past year; and cholesterol checked in past year.

Data collection: Harris Interactive, Inc.

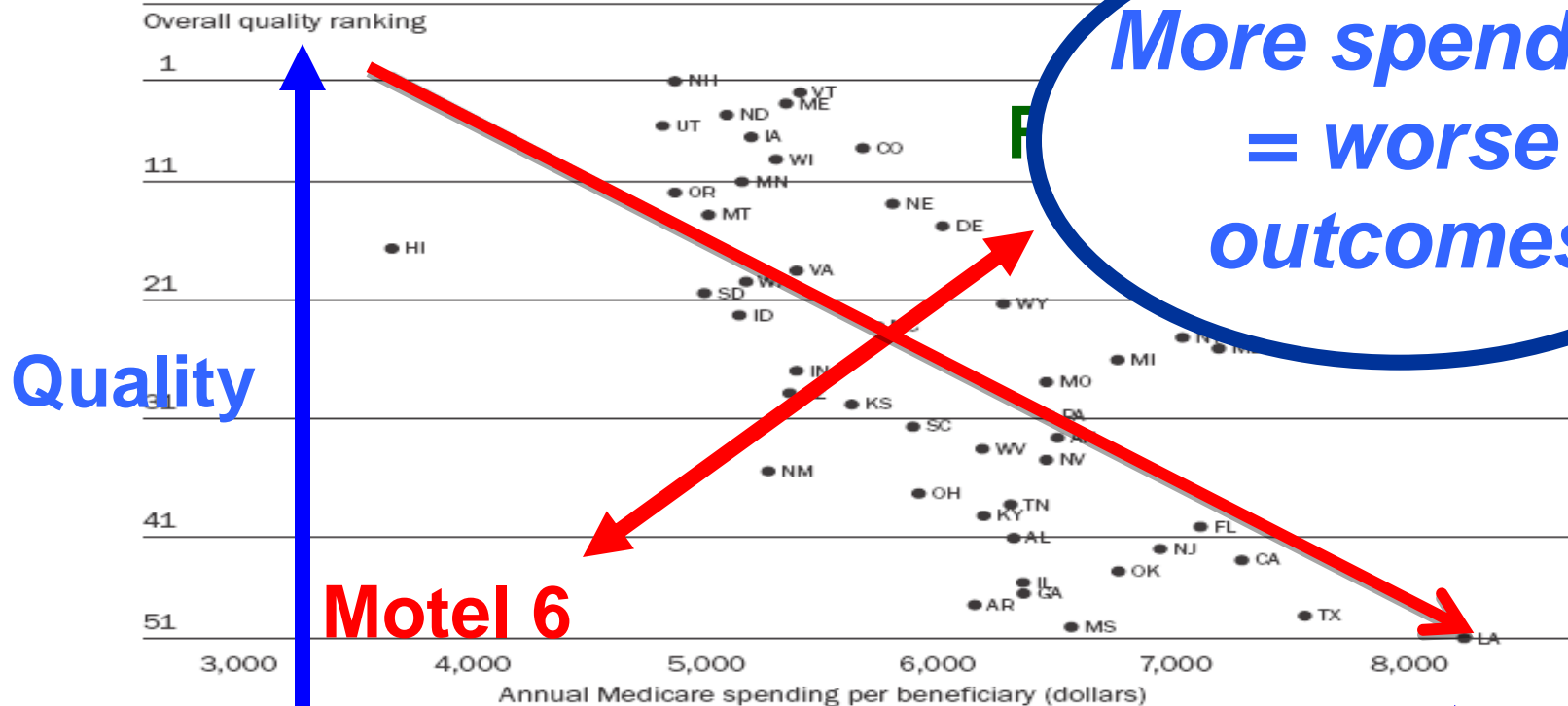
Source: 2008 Commonwealth Fund International Health Policy Survey of Sicker Adults.

Cost & Quality in Healthcare

Health Affairs
April 7, 2004

EXHIBIT 1

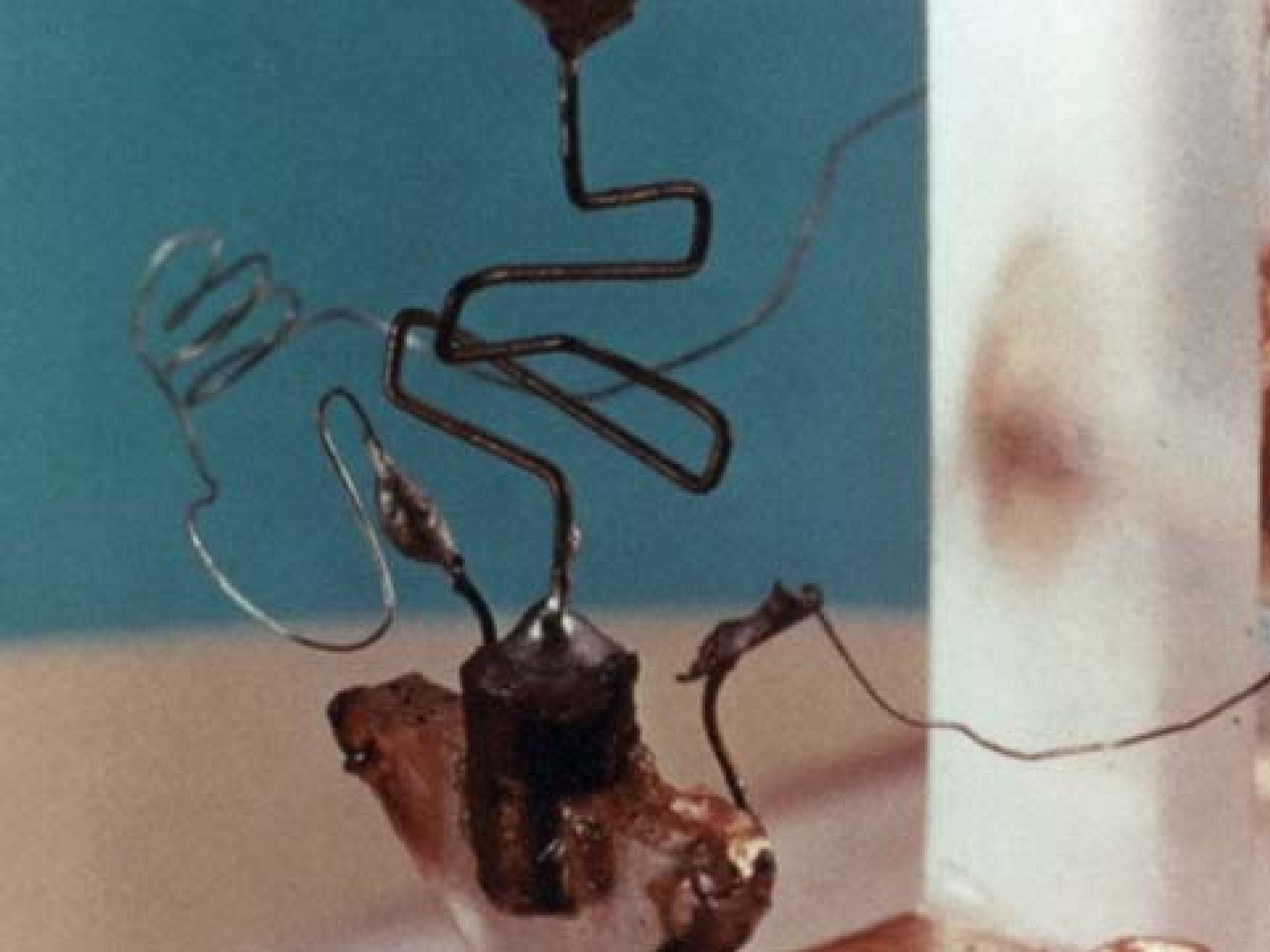
Relationship Between Quality And Medicare Spending, As Expressed By Overall Quality Ranking, 2000–2001



SOURCES: Medicare claims data; and S.F. Jencks et al., "Change in the Quality of Care Delivered to Medicare Beneficiaries, 1998–1999 to 2000–2001," *Journal of the American Medical Association* 289, no. 3 (2003): 305–312.

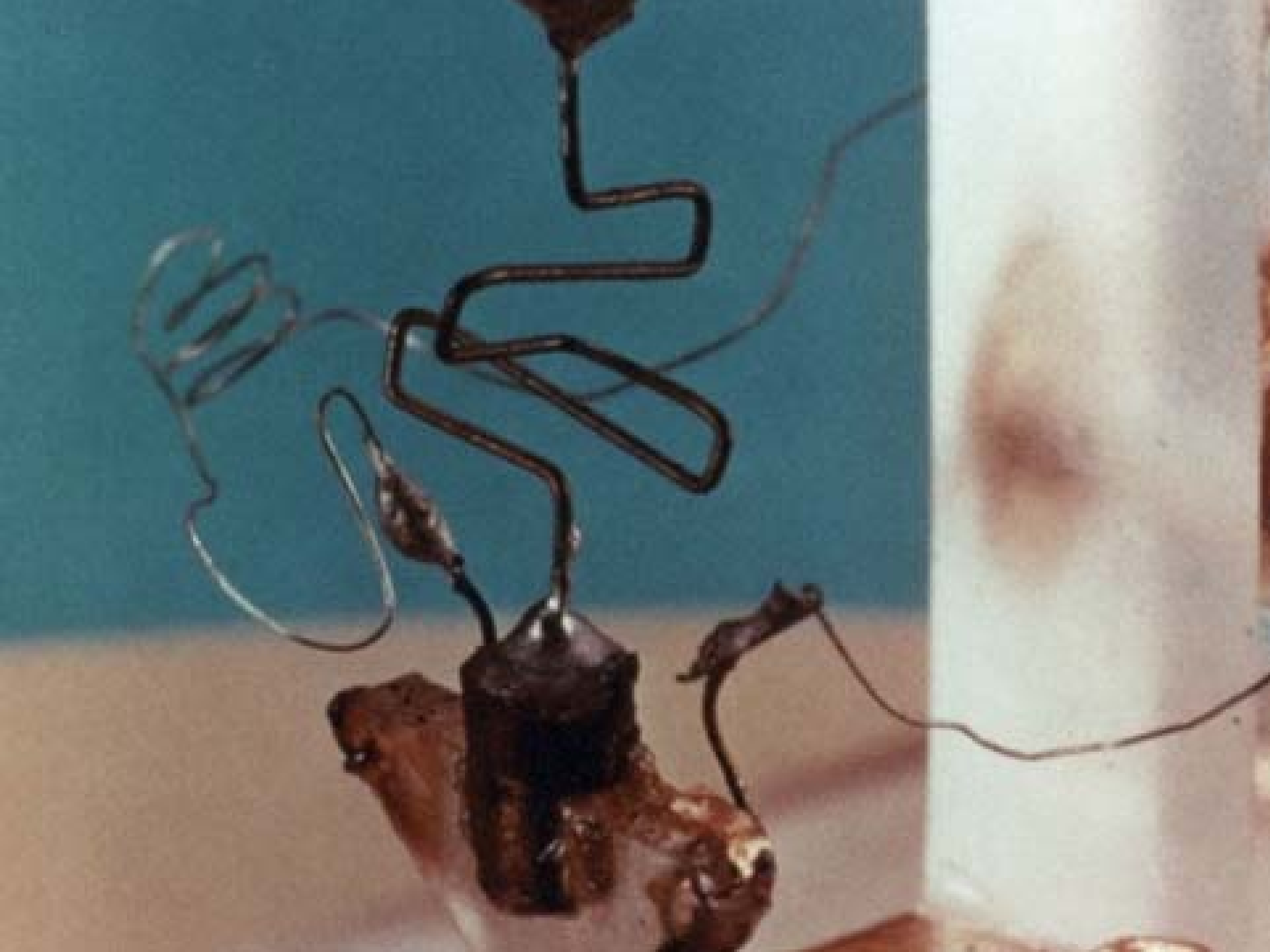
NOTE: For quality ranking, smaller values equal higher quality.

technology

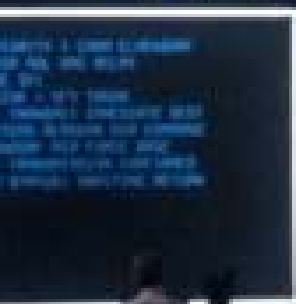
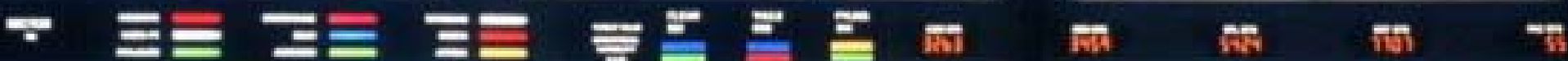
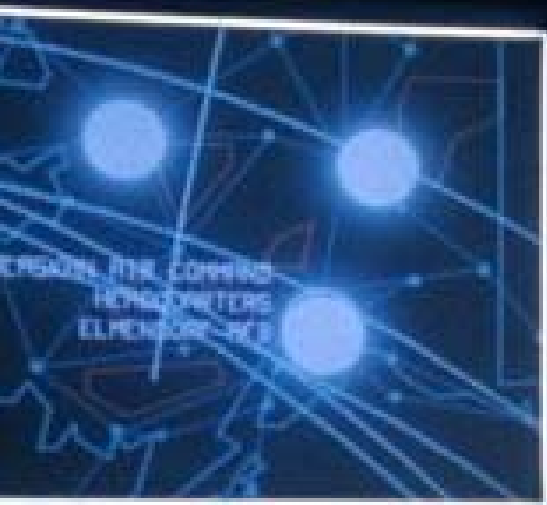














This article is available to subscribers.

[Sign in](#) now if you're a subscriber.

Free Preview

[PRINT](#) | [E-MAIL](#) | [DOWNLOAD CITATION](#) | [PERMISSIONS](#)

SPECIAL ARTICLE

ARCHIVE

Medical Records That Guide and Teach

Lawrence L. Weed, M.D.^{*}

N Engl J Med 1968; 278:652-657 | [March 21, 1968](#)



problems. Usually these are not documented and followed in an organized manner.

Psychiatric Problems

MEDIA IN THIS ARTICLE

FIGURE 6

PROBLEM LIST	
ACTIVE PROBLEMS	RESOLVED PROBLEMS
#1 Accelerated hypertension Hypertension Renal disease #2 Hypertension - ongoing to be discontinued #3 Vomiting - debilitation CVP = 0.55 mEq #4 Dysphagia - unknown etiology #5 Anxiety (2 to total disease) (Problem #1) also normally fits	Recent public view disease Cholelithiasis #6 #7 #8 Esophageal stricture #9 1.5 - Breast mass #10 #11 #12 #13 Decreased vision (R) eye possible Cataract (R) eye #14 Cerebral (R) contusion Severe before described -> Chest wall flow monitor 2 to Problem #1 (R) (1/2/67)

List of Problems on a 36-Year-Old Woman.

Access this article

**SPECIAL 200TH
PRINT + ONLINE**

[Or purchase this article](#)

[Print Subscriber? A](#)

[Institutions may purchase
Archive. \[Learn More\]\(#\)](#)

Why Subscribe?

A subscription to NEJM

- NEW NEJM iPad Edition
- NEJM.org content back
- 50 FREE views from th
- 20 FREE Online CME

SUBSCRIBE >>

consumers

&

technology

Matthew's
Screwed!

Matthew's
business
partner, Indu

Matthew's
wife,
Amanda

A woman with long brown hair, wearing a grey t-shirt and a white apron, is focused on painting a vibrant, abstract artwork on a canvas. She is using a red paintbrush. The artwork features swirling blue and green colors with a small red figure. In the background, a man in a light blue shirt and tie is seated and watching her. The setting appears to be an indoor event space with warm lighting.

Regina Holliday
Patient EMR/Data
Advocate/Artist

Ted Eytan MD
Kaiser Permanente
EMR Evangelist





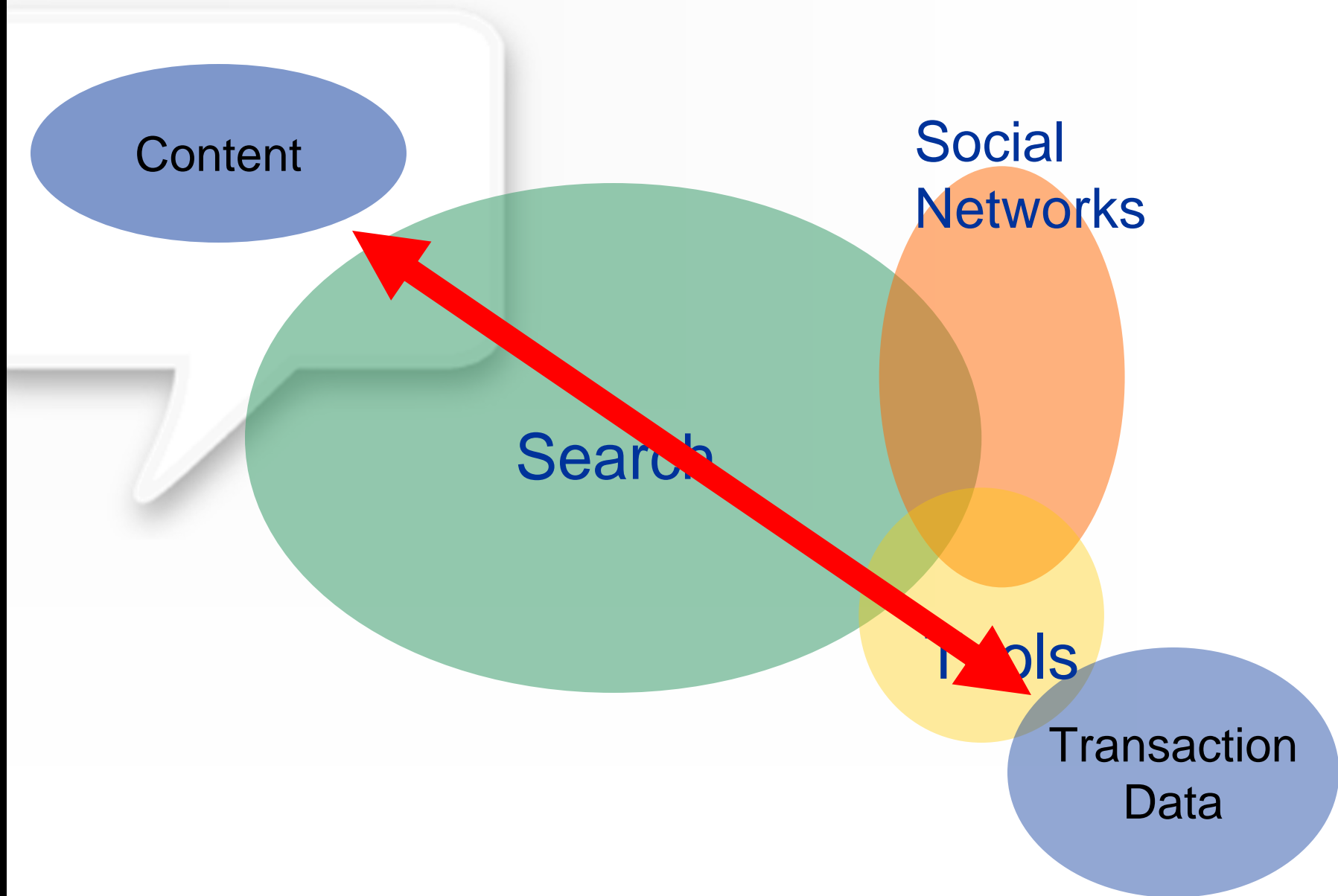
LeighFazzina Leigh Fazzina

I've had a serious injury and NEED Help! Can someone please call Winding Trails in Farmington, CT tell them I'm stuck bike crash in woods.

Twitter to the rescue: When she crashed her bike in a forest with no cell phone reception, a gravely injured triathlete saved her own life when she tweeted out a desperate call for help.

So what the hell is
Health 2.0 

Health 2.0: User-Generated Healthcare



adaptable technology

user experience

data drives decisions

Now in the UK?

Friends' Activity **68**Logged in as [Lizzie D.](#) [My Account](#) [Log Out](#)

Real people. Real reviews.®

Search for (e.g. taco, cheap dinner, Max's)

Near (Address, Neighborhood, City, State or Zip)

Hilton San Francisco Union Square

Search

Welcome

[About Me](#)[Write a Review](#)[Find Reviews](#)[Invite Friends](#)[Messaging](#)[Talk](#)[Events](#)[Member Search](#)

Yelp San Francisco

[Other Cities](#) | [Paris](#) | [Drytown](#) | [Eugene](#) | [Ponte Vedra Beach](#) | [Jacksonville](#) | [Portland](#) | [More »](#)


What's up, Lizzie?

Because sharing is caring. Tell all your friends about Yelp »

Go to My Profile

New Reviews Near You

More »



Val's Burgers



A moment ago

Since I now reside in Florida (thats south of New York, pretty close to...



Osteria



A moment ago

This is one of my favorite lunch stops. The food is great and priced well....



Rayman Martin Sinal DDS



A moment ago

I had a truly negative experience with this doctor. He thinks young...

[More New Reviews Near You »](#)

Near You

Friends (7 New)

Following

Bookmarks

Today in Talk

More »

One minute ago Christine O'Donnell: "I'm not a witch, I'm you..."

One minute ago Why is Umesh single?

Today's Alerts!

October 5, 2010

Someone wants to be your friend



Francisco L.

Manny H. is now your friend. [\[Hide\]](#)

Your Stats

Your [profile](#) has been viewed 341 times.Your reviews have 5 [Useful](#), 1 [Funny](#), and 2 [Cool](#) votes.You have 0 [bookmarks](#).

Review of the Day

Archive »

Voted by our members! [How's this work?](#)

Maybelline C.

Gluttony is my sin



Tselogs

Craving Filipino breakfast? Tselogs is a great spot to check out. They have good silogs, not the best that I've had, but definitely worth a try. For those unfamiliar with what a silog is: it's... [Read more »](#)



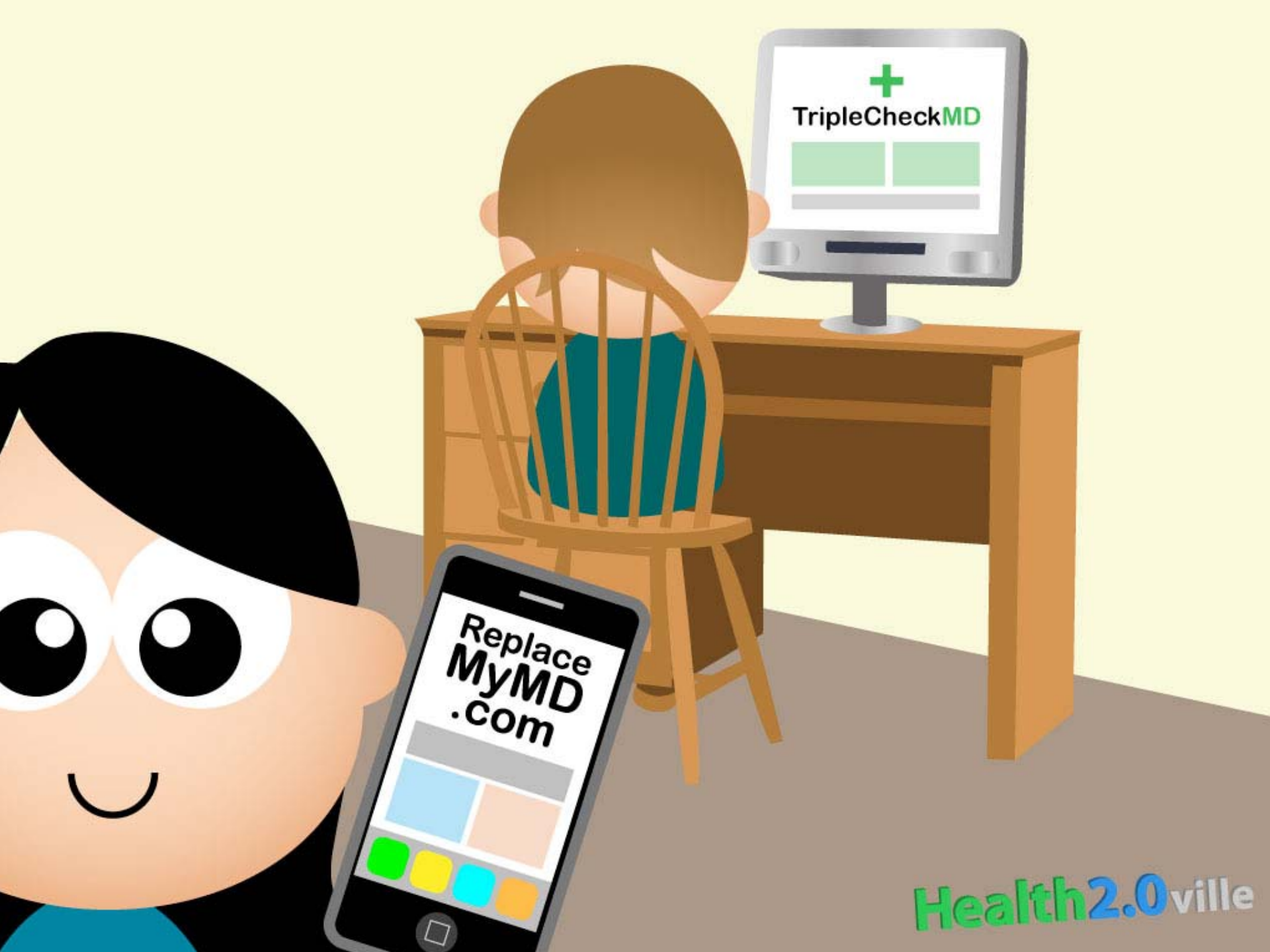
Health: Refactored

The First Code and Design Focused Conference for Health

May 13 - 14, 2013 | Computer History Museum, Silicon Valley

Health2.0ville





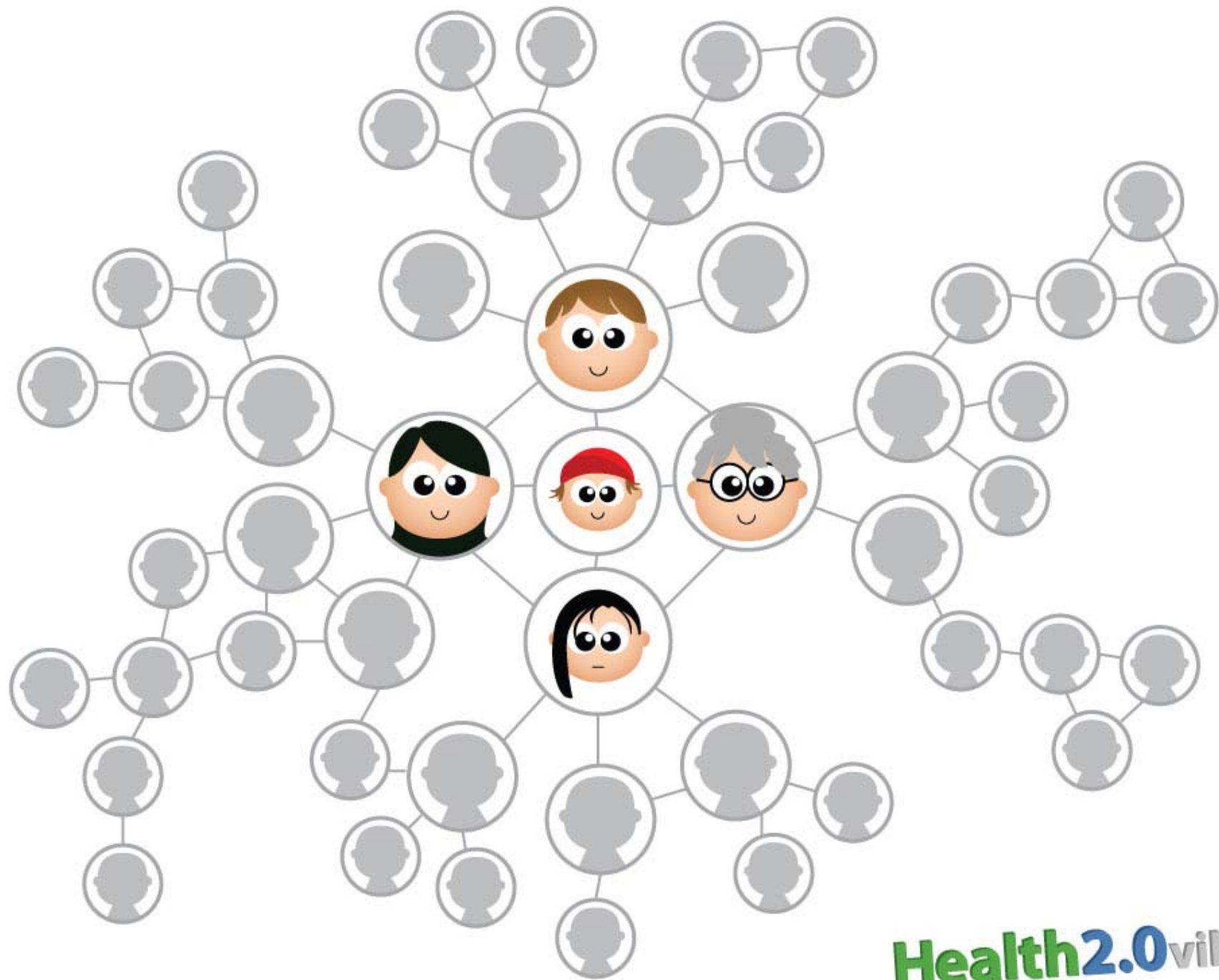
+

TripleCheckMD

Replace
MyMD
.com

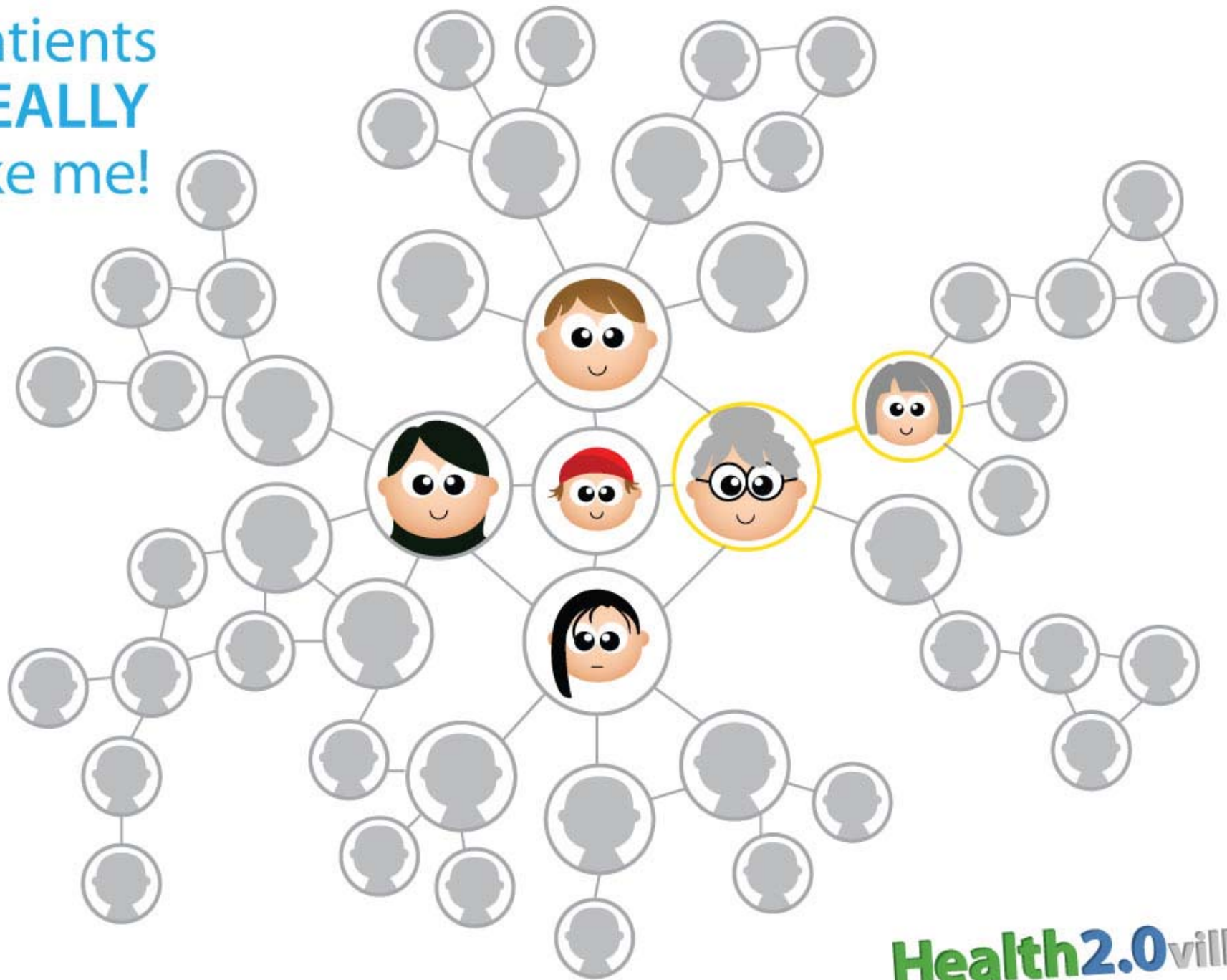
Health2.0ville





Health2.0ville

Patients
REALLY
like me!



Health2.0ville



Health2.0ville

COMPANY LEADERBOARD

Peggy	29 pounds
Marvin	22 pounds
Charlene	17 pounds
Mildred	13 pounds
Burt	9 pounds

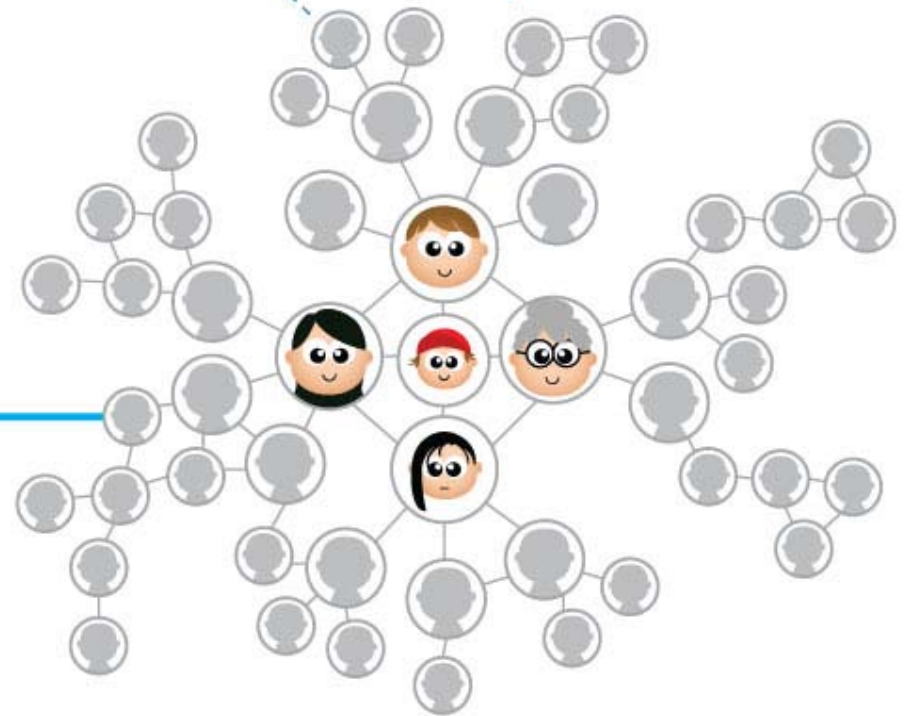
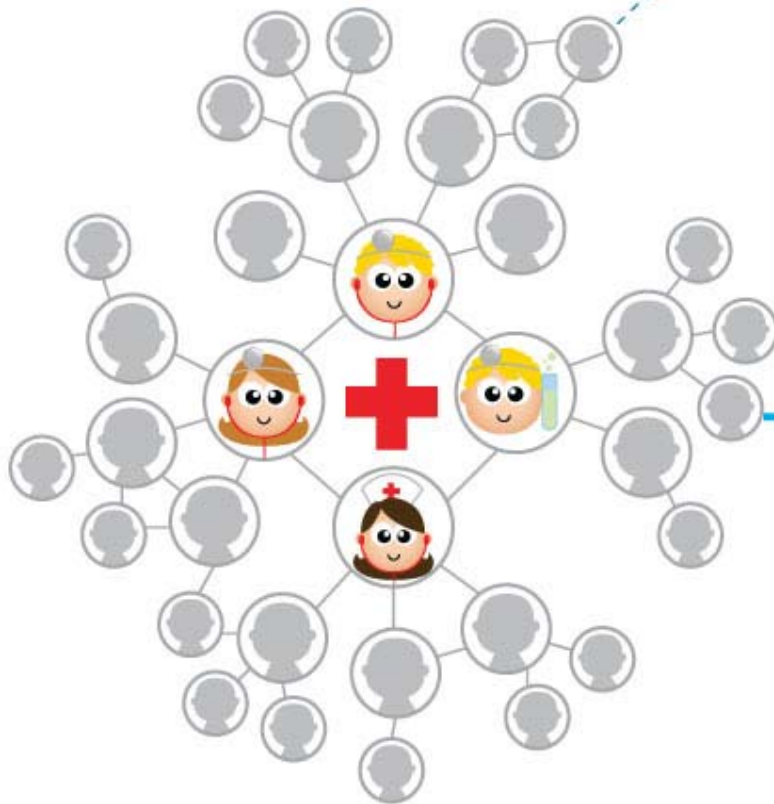




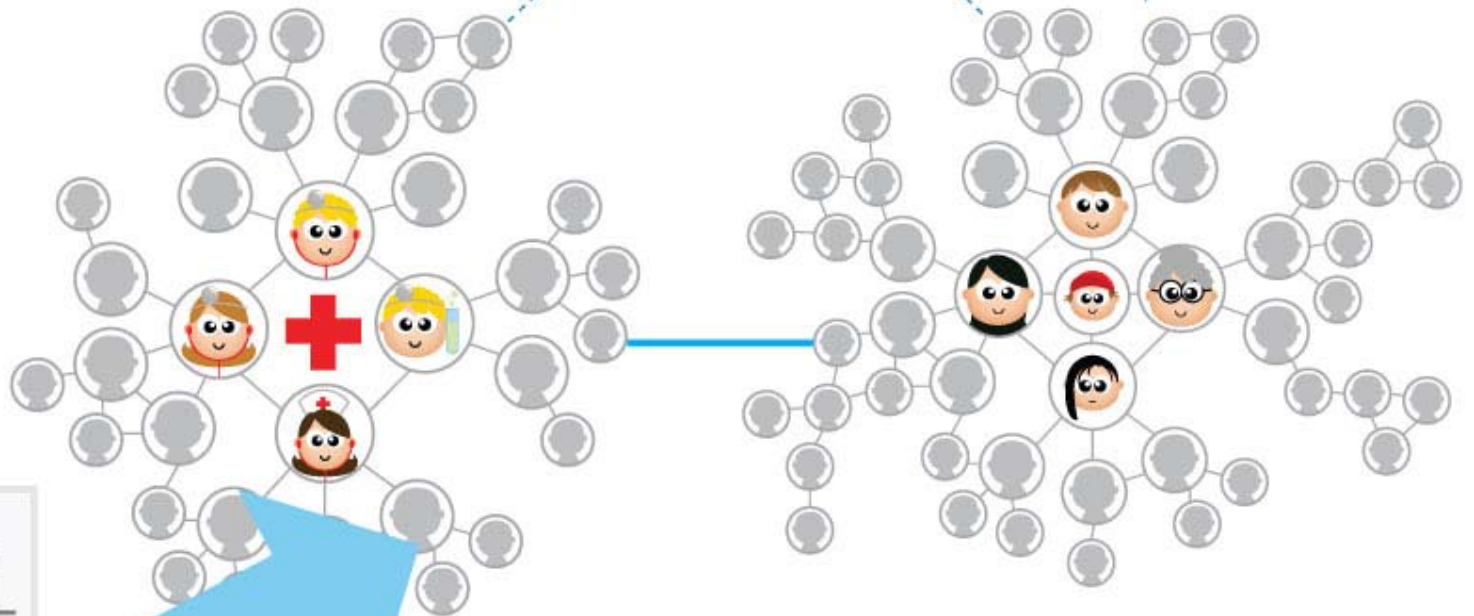
Health2.0ville



Health2.0ville



Health2.0ville



Health2.0ville



Health2.0ville

DATA

INDIVIDUAL

POPULATION

REFERENCE

DATA
UTILITY
LAYER

UNPLATFORMS

Decisions
Actions

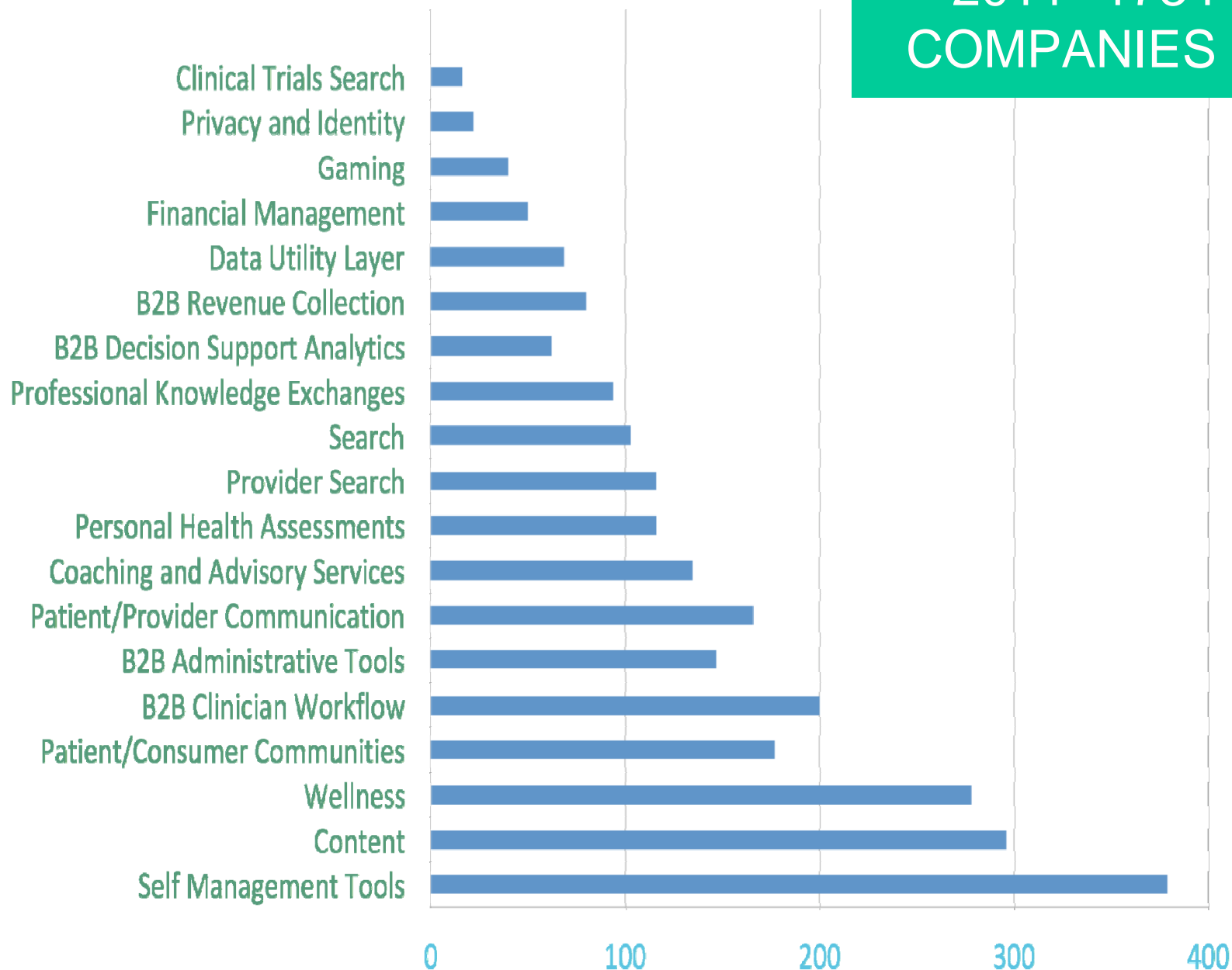


Health 2.0 



San Francisco October 7-10, 2012

2011--1734 COMPANIES



sproutel

SilverCloud Health
Engaging Health & Wellness Solutions

skin
analytics

HEALTHPUZZLE
Healthcare individualized.

Health
nnov@tors
systems

MediGift



akiva
health systems

thryve



HEALTHY
Reads

Mango Health

SMART
SCHEDULING

MyMedChoice

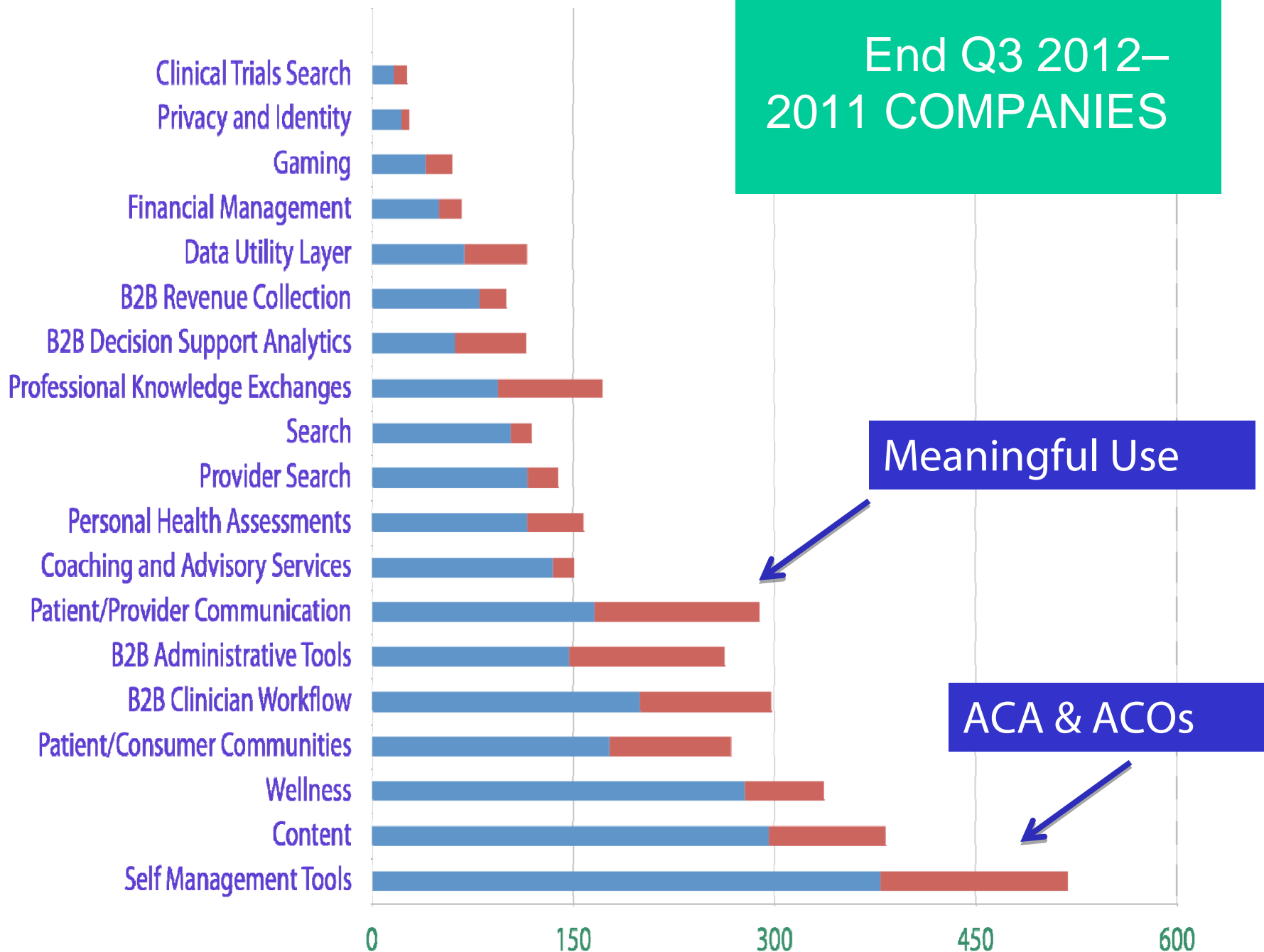
NUTRIVISE

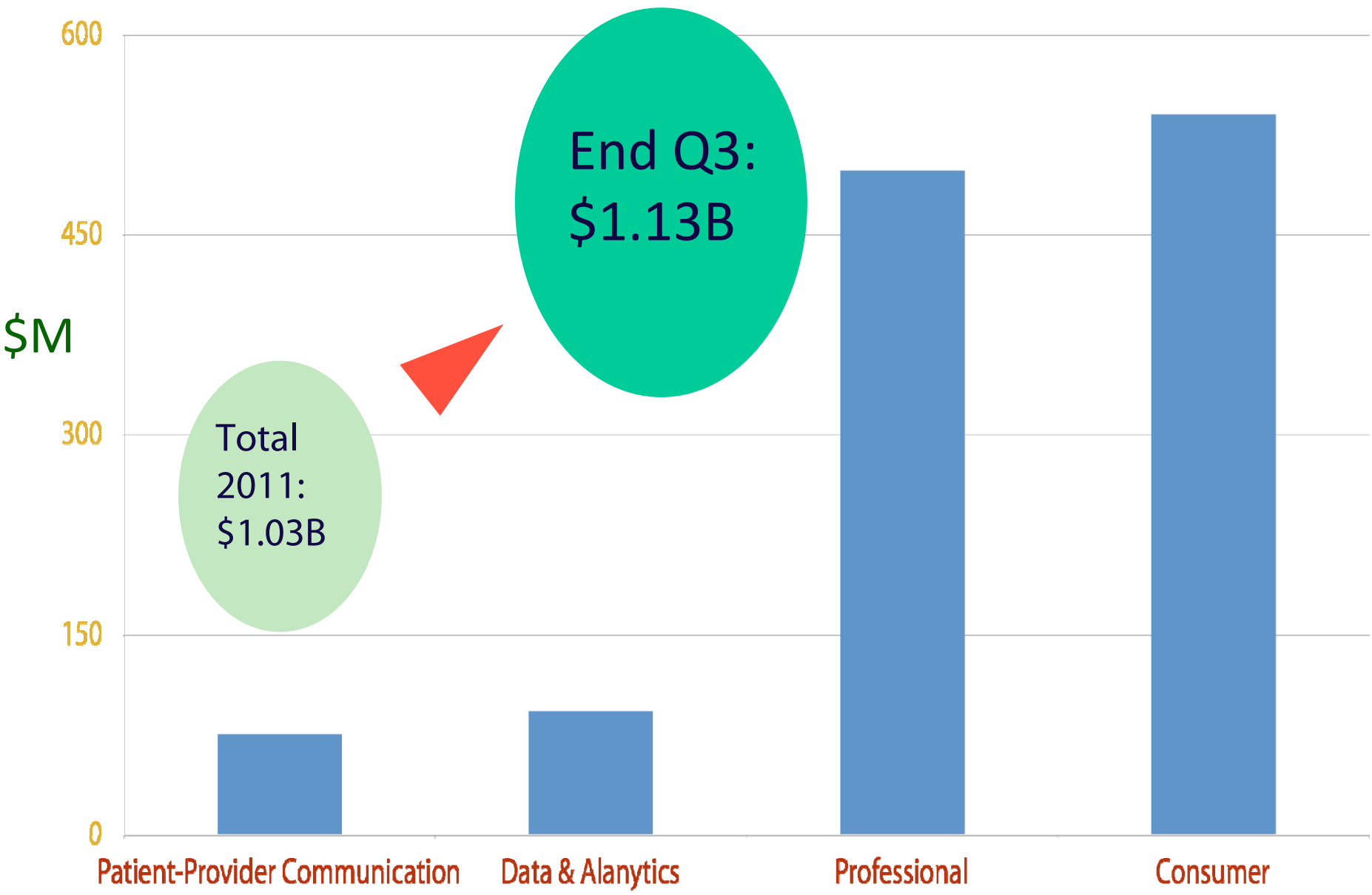
vidapost

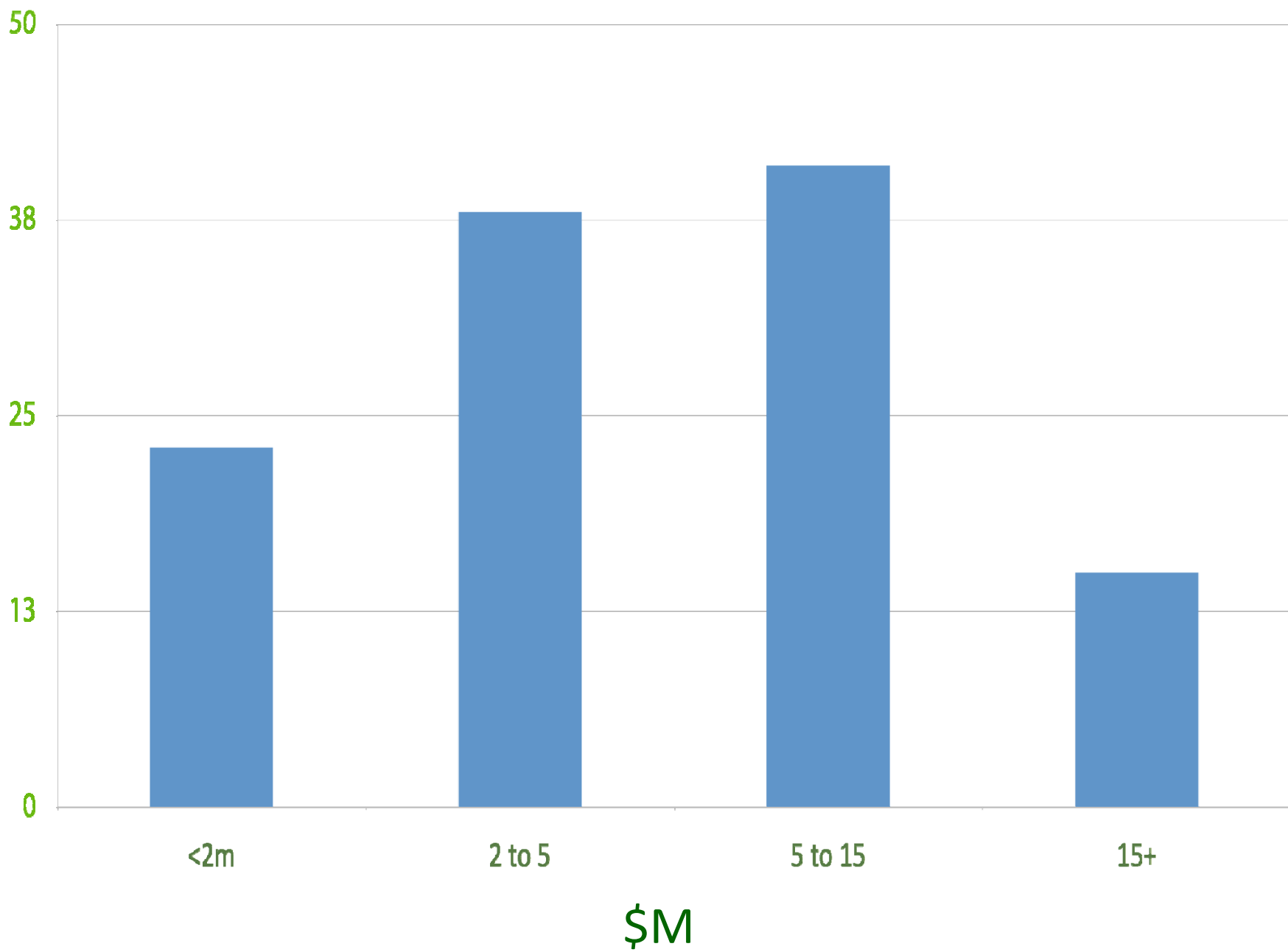
aidin

dh
DirectionHealth

End Q3 2012–
2011 COMPANIES







The Stages of Health 2.0



where's the white
rabbit?



jiffy clinic



jiffy clinic



Health2.0ville



Health2.0ville







The Health Care Blog

THCB

OP-ED

TECH

THE BUSINESS OF HEALTH CARE

THE INSIDER'S GUIDE

HEALTH PLANS

PHYSICIANS

HOSPITAL

THE AFFORDABLE CARE ACT

SCOTUS DECISION

STARTUPS

ELECTRONIC HEALTH RECORDS

ACCOUNTABLE CARE ORGANIZA

THCB MARKETPLACE

One Woman Brand: How one Doctor Started Over Again With a New Practice, a New Specialty and a Great New Outlook on Life

5 Responses

By LESLIE KERNISAN, MD

A little over a year ago, I found myself burning out and realized that my worklife was unsustainable.

I'd been working at an FQHC clinic, and had become the site's medical director a few months before. I was practicing as a primary care doc, trying to improve our clinical workflows, problem-solving around the new e-prescribing system, helping plan the agency's transition from paper charts to electronic charts, and working on our housecalls and geriatrics programs.

All of this was supposed to be a 50% position — plus 5% paid time for follow-up — because I had two young



ON THCB

Mislabeling Medical Illness
By ALLEN FRANCES, MD

The "Post EHR" Era
By JOHN HALAMKA, MD

The RUC is a Symptom.
RBRVS is the Disease
By ROBERT CENTOR, MD

How to Win Friends and
Influence Millennials: Health
Exchanges Edition ([Health
Plans](#))
By MIKE MIESEN

Fundamentals of Electronic
Medical Record Design Part
I



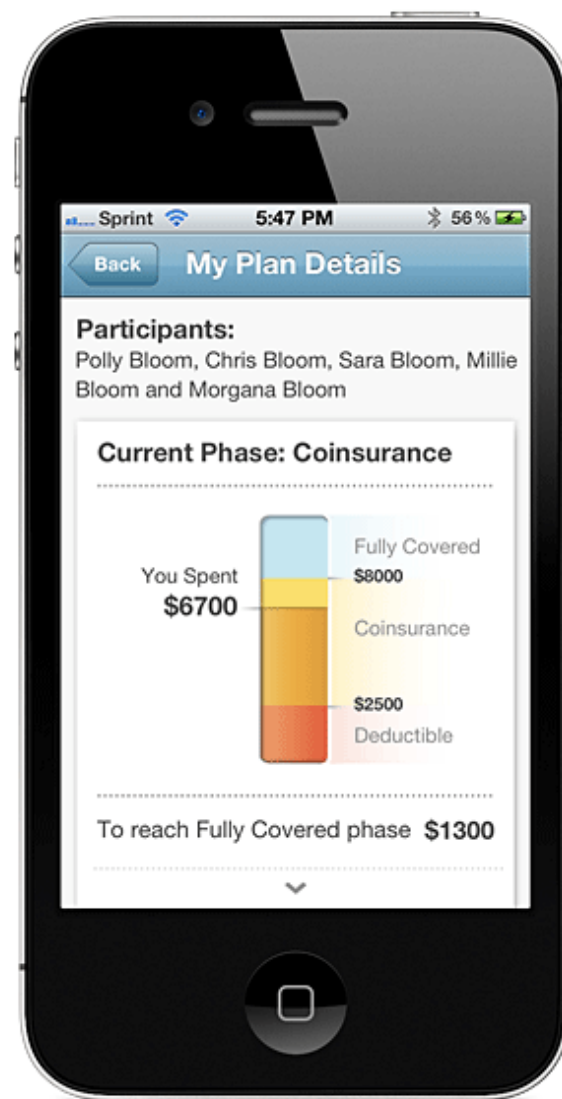
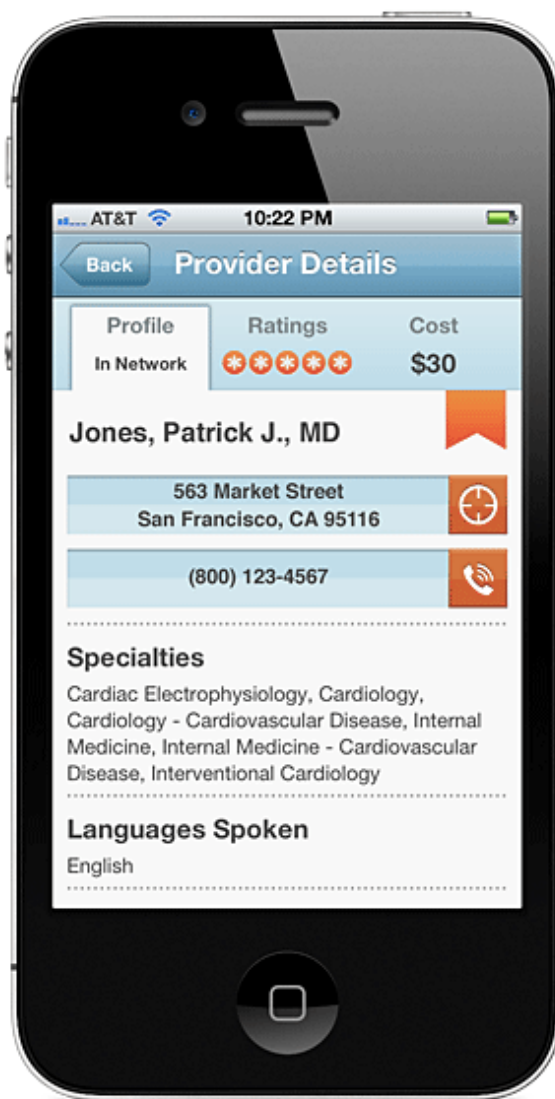
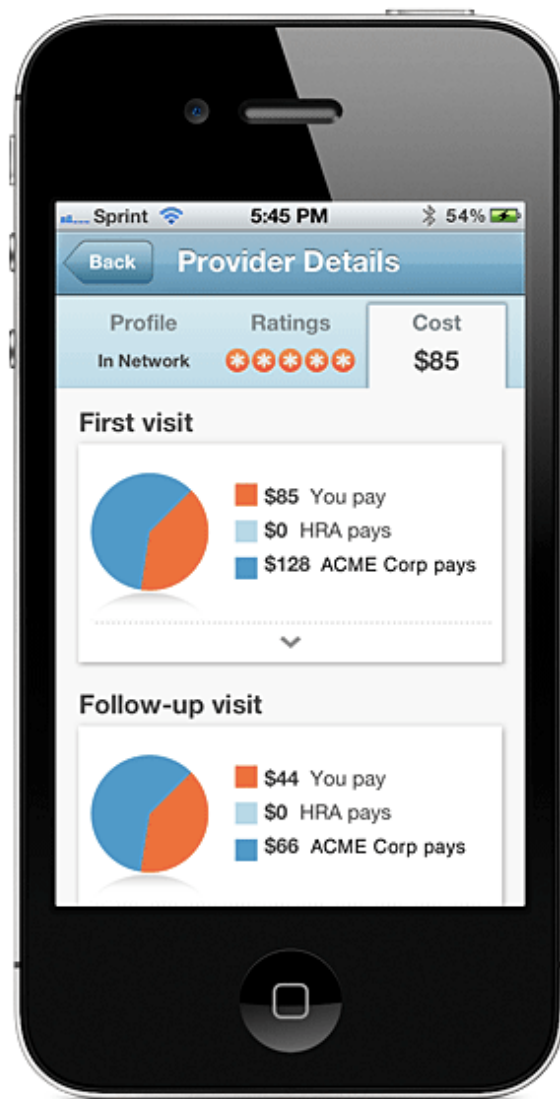
GE He

Who
heal

K
Na

► c









Health2.0ville





A brief history of how **Health 2.0** 
*is going to change health care for patients,
doctors, and everyone else*

Matthew Holt

Co-Chairman,
Health 2.0
San Francisco, California, USA

matthew@health2con.com
@boltyboy

Northampton General Hospital NHS

NHS Trust

Family planning advice

Use rear entrance