Health 2.0



User-Generated Healthcare

TEPR

3 February, 2009

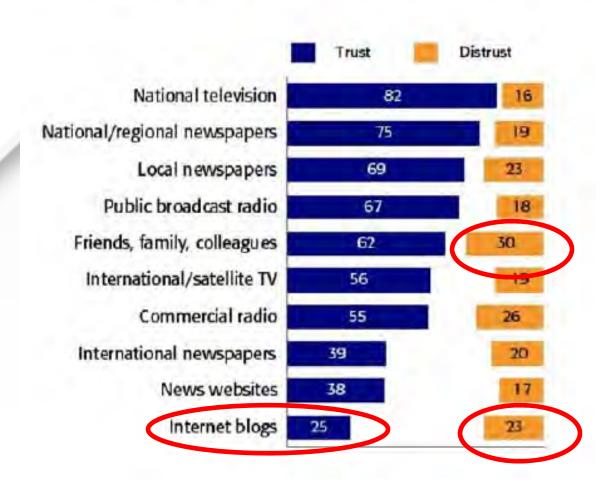
Matthew Holt

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Media sources people trust

Trust in Different Media Channels

Trust vs Distrust, Average of 10 Countries, by News Source



Source: Globescan/BBC/ Reuters 2006

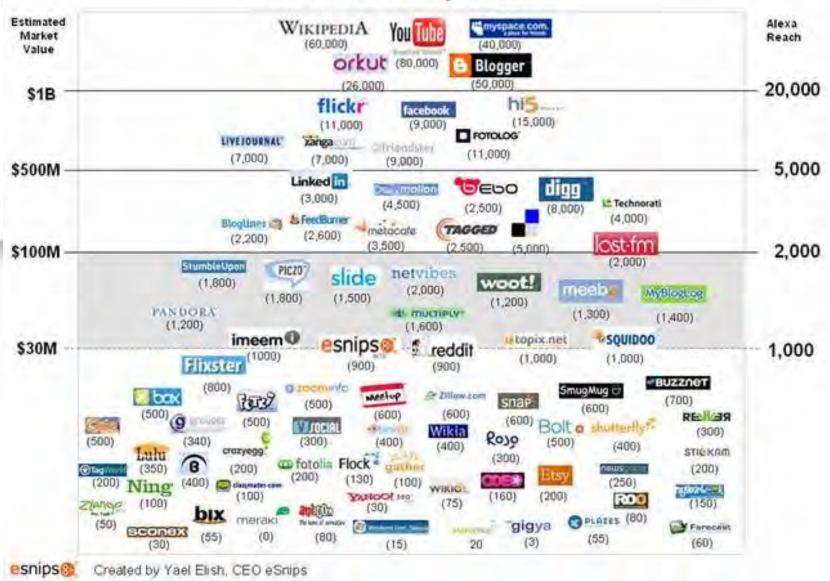
What the hell is Web 2.0?

BASECAMP WRITEBOARD Focus on Simplicity Wikis WIDGETS Joy of Use COLLABORATION Folksonomy SHARING PAGERANK Recommendation

PERPETUAL BEIN

PERPETUAL BEIN READ.IO IM PODCASTING vergence DATA INSIDE SEO deo VIDEOCASTING GRANULARITY MODULARITY SYNDICATION WIFI Mobility Remixabi SOAP REST RUBYONRAILS **XML** Standardization CSS-Design DataDriven XHTML ACCESSIBILITY WASP FEEDSTER RELEASED UNDER Web Standards URNER GMAPS MASHUPS 998HOO GOOGLE NEWS Microformats **BUZZTRACKER** INORDER MICROFORMATS.ORG TRENDMAPPER

Web 2.0 Eco-system



eThis, That & The other vs. Web 2.0

WWW, born 1994-5 publishing, searching, reading

- Content Management
 - Syndicated
 - Subscribed
 - Internally created
 - Integrated from data sources
- "Webmaster" regulated
 - Institutional publishing standards
 - Prescribed branding
- Dominant letters
 - e, later i
 - Dash optional

Web 2.0, nee. 2005-7 uploading, sharing, collaborating, searching

- Social networks
 - Blogs
 - Wikis
 - Forums, Groups, Discussions
 - Video/content sharing
- Sharing Tools
 - Community policing
 - Posting guidelines
- Dominant letters
 - r, z, x, 2.0
 - Periods, but no vowels allowed

Web 2.0: O'Reilly's Core Competencies

- Services, not packaged software, with costeffective scalability
- Control over unique, hard-to-recreate data sources that get richer as more people use them
- Trusting users as co-developers
- Harnessing collective intelligence
- Leveraging the long tail through customer selfservice
- Software above the level of a single device
- Lightweight user interfaces, development models, AND business models

Source: Tim O'Reilly What is Web2.0 9/2005

What the hell is Health 2.0?

Are Jondering?

What is "Health 2.0"

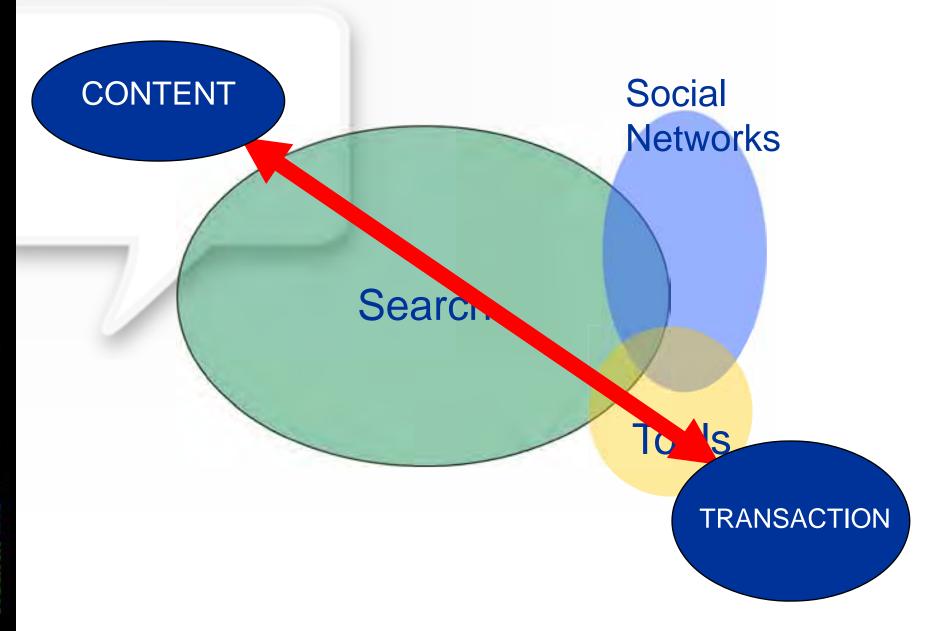
Matthew Holt's best guess at the constituent parts

- Personalized search that finds the right answer for the long tail
- Better presentation of integrated data
- Communities that capture the accumulated knowledge of patients and caregivers; and clinicians
- Intelligent tools for content delivery

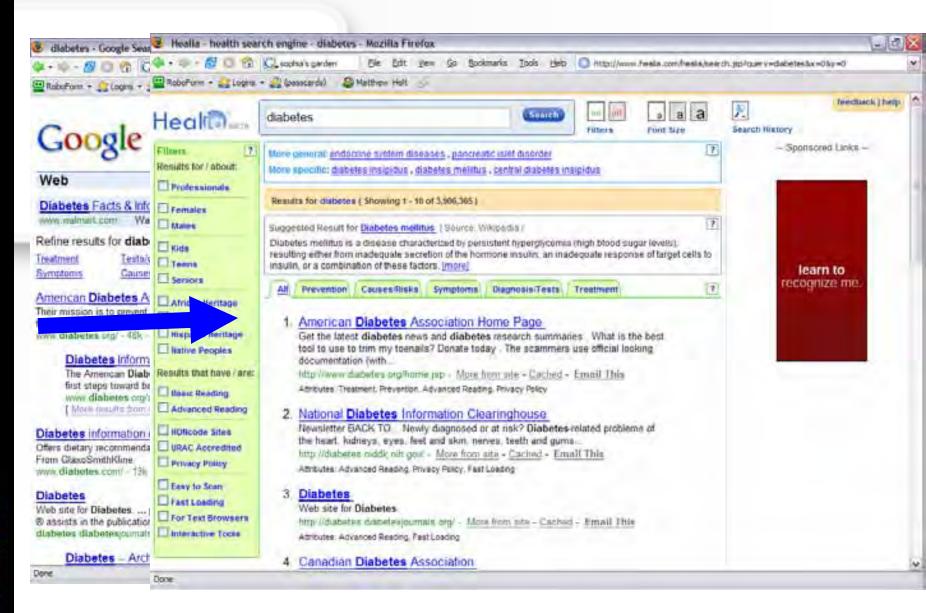
And just maybe....

Patients (really!) in charge of their own care?

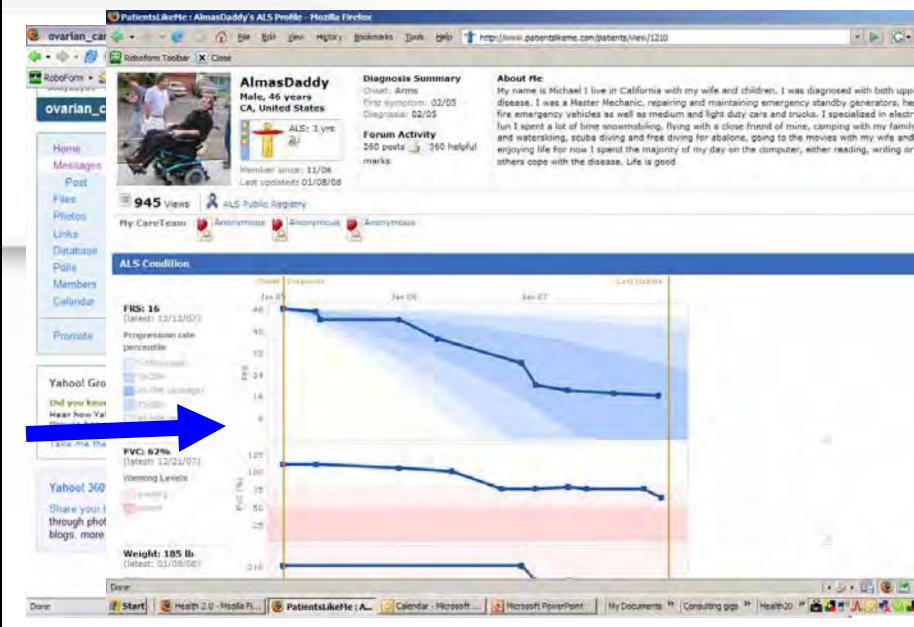
Health 2.0: User-Generated Healthcare



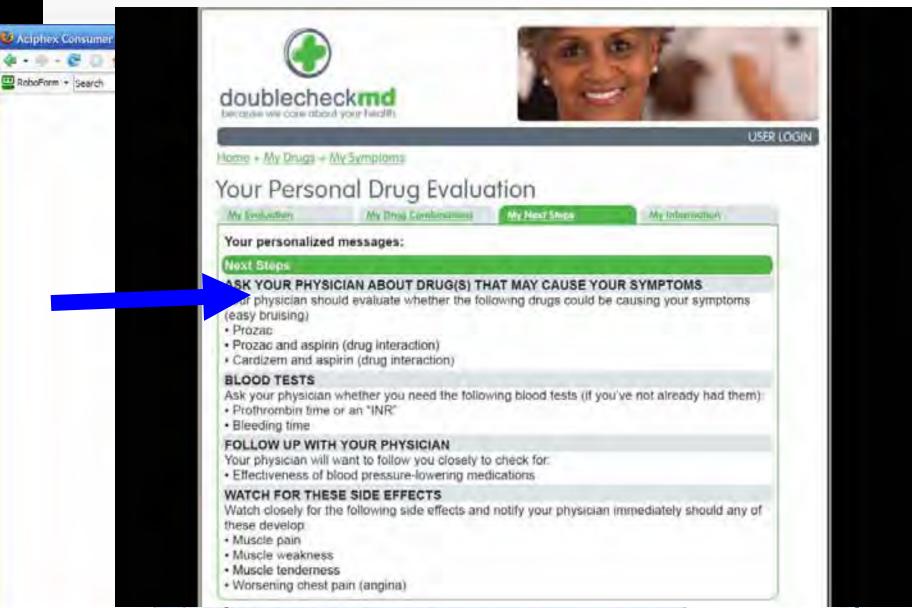
Personalized search



Intelligent Communities



Intelligently presenting content



Highlights from the 1st Edelman Health Engagement Barometer



7 in 10 adults demand engagement... especially for personal health issues that matter most to them

- 22% of the population are Health Info-entials
- Most frequently accessed channels of health information:
 - Conversations with friends/family (69%)
 - Conversations with my doctor or healthcare provider (65%)
- Social media is more credible when coupled with health expertise
 - Top social medium: Health expert blogs (86%)
 - Other most credible media include personal blogs, social networking sites, video-sharing sites, and Wikipedia

To HAIROF

Search & Online Communities





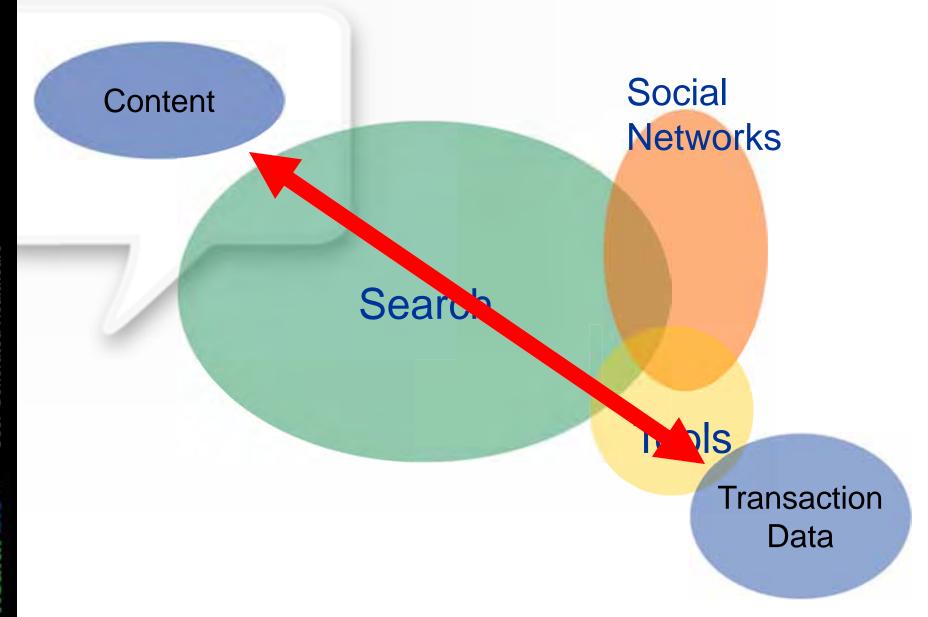


Emergence of Consumer-Focused Tools



- 1. Personalized
- 2. Analytical
- 3. Supporting Decisions
- 4. Enabling
 Transactions

Health 2.0: User-Generated Healthcare



So now what is "Health 2.0"?

Holt's evolving view of a moving target

- Personalized search that looks into the long tail, but cares about the user experience
- Communities that capture the accumulated knowledge of patients and caregivers; and clinicians – and explain it to the world
- Intelligent tools for content delivery and transactions
- Better integration of data with content

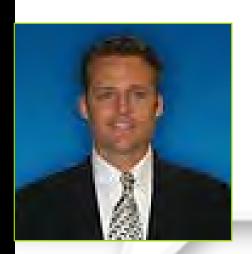
And it's not a maybe anymore...

Patients increasingly guiding their own care

Transparency & Consumerism



Health 2.0: Scott Shreeve's Definition



"New concept of healthcare wherein all constituents (patients, physicians, providers, and payers) focus on healthcare value (outcomes/price) and use competition at the medical condition level over the full cycle of care as the catalyst for improving the safety, efficiency, and quality of health care."

Health 2.0 as Market & Services



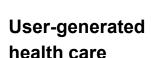
AMERICAN WELL

the next generation of health communication





A continuum of Health 2.0?



Use of Web2.0 technologies for patients and physicians to communicate and investigate *without connecting* to the health care system

Users connect to providers

Tools and communities created as part of Web2.0 in health care, which then becoming connected to the system (i.e. creating appointments, conducting transactions, managing clinical events)

Partnerships to reform delivery

Reforms in payment structures, transparency, and technology produce changes in delivery structure and process around chronic care treatment, excellence centers for particular procedures, etc.

Data drives discovery

All the data collected in a combination of a, b & c produces leaps ahead in the process of care and eventually in drug and procedure discovery.

The Present and Potential of Health 2.0

Ultimate Impact

Data drives discovery

Partnerships to reform delivery

Users connect to Providers

User-Generated Healthcare

Likelihood

Can You and Your Loved Ones Answer These Questions?

1. On a scale of 1 to 5, where do you fall on this continuum?



Let me die in my own bed, without any medical intervention

Don't give up on me no matter what, try any proven and unproven intervention possible

- 2. If there were a choice, would you prefer to die at home, or in a hospital?
- 3. Could a loved one correctly describe how you'd like to be treated in the case of a terminal illness?
- 4. Is there someone you trust that you've appointed to advocate on your behalf when the time is near?
- 5. Have you completed any of the following: written a living will, appointed a healthcare power of attorney, or completed an advanced directive?





April 22-23, 2009 Boston Park Plaza Hotel



The Great Debates on the Next Generation of U.S. Health Care

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