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v-Fluence is a recognized leading online market analysis and Internet services provider in health, food, nutrition, environment, and related consumer spaces online. Our research services are used by the leading pharmaceutical, food, agriculture, energy and business services organizations for a range of issues management areas as well as by major advocacy, professional groups and trade associations. Global brands similarly rely on v-Fluence for online brand management, marketing and public affairs support. A range of corporations and trade associations also use v-Fluence to support reputation management and public policy issues online.



Significant corporate brand management experience includes AstraZeneca, Pfizer, Johnson & Johnson and Novo Nordisk. Major pharmaceutical product brand experience include: CRESTOR; ARIMIDEX; SYMBICORT; ORTHO EVRA; and, SEROQUEL



# Today's discussion

- · Technology and healthcare today
  - Consumer behaviors and use
  - Basic definitions and tactical consideration
  - State of industry
- Emerging and impactful technologies
  - Now
    - Web 1.0
    - Web 2.0
  - Emerging term (now one year to adoption)
    - Mobile
    - · The Cloud
  - Medium term (two three years)
    - · Augmented Reality
    - · Location-Based Services
  - Long term (three five years)
    - · Semantic Aware Applications
    - · Smart Objects
  - Other influential technologies

5/18/2010

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Source: www.comedycentral.com

# Rationale: It starts online!



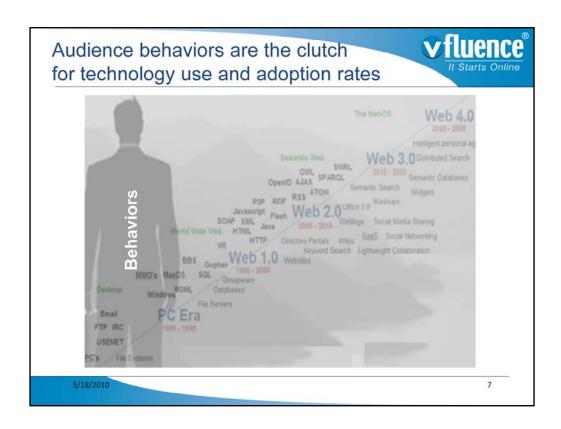
For issues affecting reputation, issues and product marketing, the Internet is no longer an add-on:

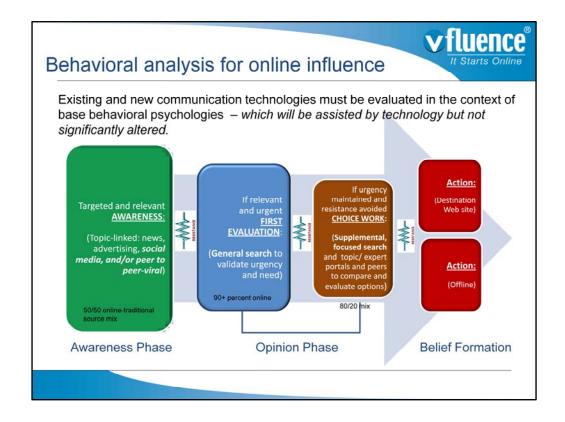
- Globally, more than 1 billion are online; 245+ million in U.S.A.
- Journalists, analysts, government officials and other opinion leaders are influenced by the Internet more than any other medium
- Americans now view the Internet as their most important and trusted source for news and information consuming more online content than radio, print and television combined.

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## References:

- www.clickz.com/stats
- Nielsen Net Ratings
- Harris Interactive
- Gallup Research
- Pew Internet & American Life Project





Adapted from the Daniel Yankelovich model of opinion to belief to action process (cite: http://www.annenberg.northwestern.edu/pubs/violence/viol5.htm)

We overlay the psychological tenets of converting awareness to commitment with well researched online information gathering behaviors to evaluate and model online environments and associated technologies from the perspective of how related issues will be influenced.

Emerging technologies are enhancing, not replacing, these behaviors – in some cases shortening processes but rarely eliminate core components.

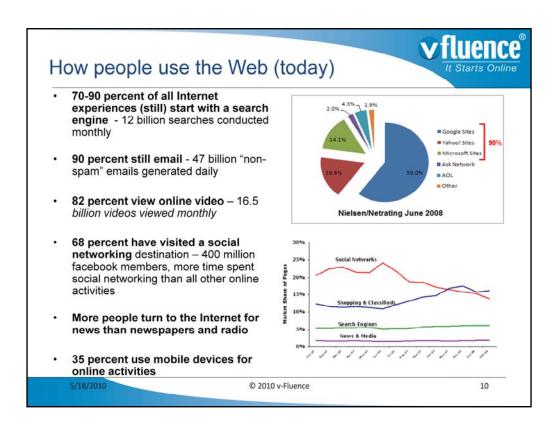


# Simple keys to success

# Integrate your traditional activities with online resources developed for:

- Visibility
  - Content availability and extension in relevant awareness channels
  - Content presence in relevant inquiry and opinion formation spaces
- Usability
  - Behavioral (audience) usability
  - Technical usability for maximum extension of content and tools
- Measurability
  - Actionable content and tools
  - Conversions specific to goals

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In August 2009, there were 2.8 billion searches conducted monthly on YouTube (only 2.6 billion on Yahoo!) Time spent and content consumed on social media sites exceeds traditional news pages by more than 8 to 1

The places where people start, spend their time and eventually end online will determine how they form their beliefs about your brands, products or issues. People engage in path-finding online in identifiable manners based on types of activities and desired outcomes. v-Fluence research marries these well research behaviors within the specific environments that influence your brand, products and related issues.

#### Citations and notes:

Nielsen NetRating June 2008 http://www.nielsen-netratings.com/pr/pr\_080718.pdf www.comscore.com December 08 search data report (11.5 billion searches conducted) http://www.pewinternet.org/pdfs/PIP\_Generations\_2010.pdf

While behaviors show people starting with search they are now spending more time on social network pages. News and mainstream media space "time spent" is now less than 3 percent, although "mainstream" news presence (placements) in search and social networks have influence – the degree of which can be determined by specific keyword, category and topic pathway research provided in v-Fluence i-Map benchmarking.

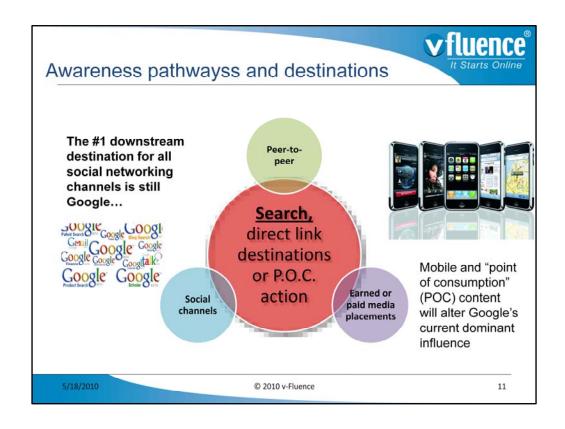
Various studies found at http://www.clickz.com show between 73 and 90 percent of all Internet homepages and user experiences start at a search engine (most research shows closer to 90 percent)

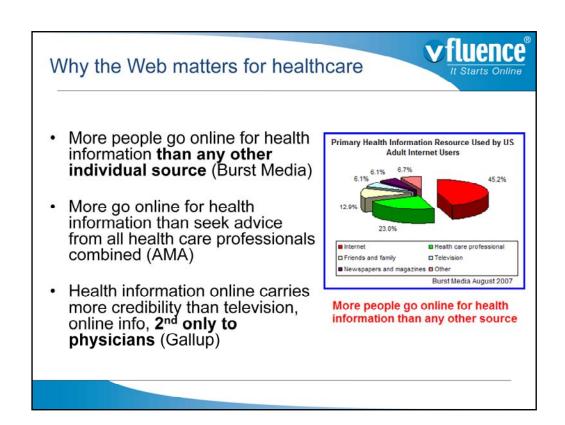
A Taxonomy of Web research: www.acm.org/sigs/sigir/forum/F2002/broder.pdf http://www.searchenginewatch.com

The Deep Web: Surfacing Hidden Value: http://www.press.umich.edu/jep/07-01/bergman.html

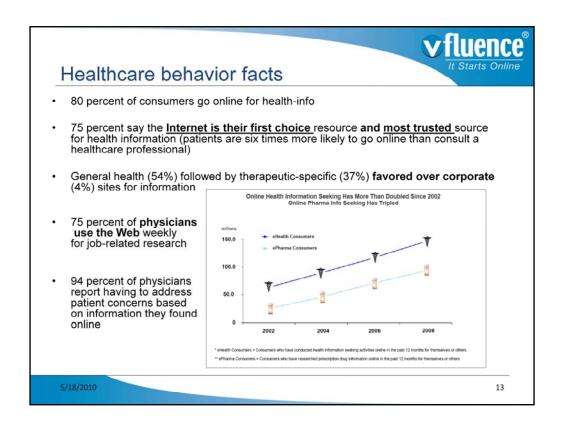
Other sources:

http://www.blogstreet.com/ http://www.perseus.com/ http://www.blogherald.com/ http://www.pewinternet.org/



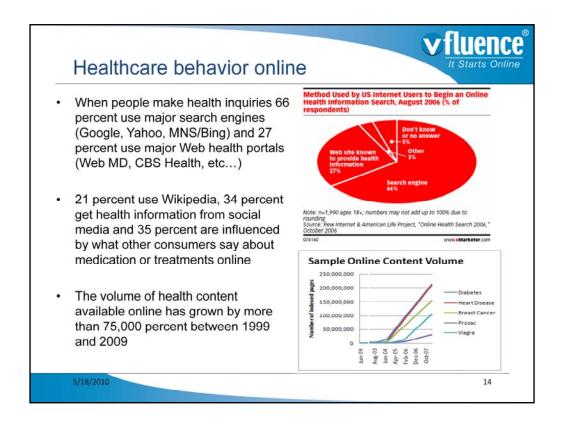


Full copies of these and related research reports available upon request to info@v-Fluence.com



### Various studies reveal:

- For health info, people go online first
- · Health info online carries more weight
- Television, print and other traditional advertising diminished values and when not reinforced online lead to lower ROI
- Value ROI online (with targeting) significantly higher than traditional advertising for conversions (brand awareness can be bolstered with traditional advertising, but customer conversions happen online)



The number of sites visited by online health consumers looking for disease-specific information has grown by more than 200% in the past two years.

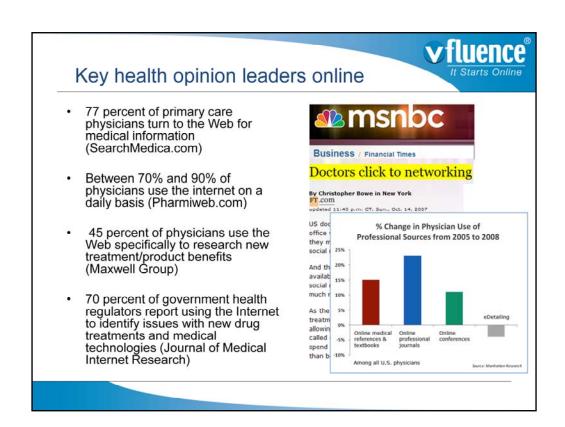
# Sources:

Pew Internet & American Life Project (Cybercondriacs) Harris Interactive

Manhattan Research

Compete.com

Hitwise.com



### Sources:

http://www.pharmiweb.com/pressreleases/pressrel.asp?ROW\_ID=1383

http://www.jmir.org/2007/3/e20

http://www.jmir.org/2009/3/e22#ref3

Dickerson S, Reinhart AM, Feeley TH, Bidani R, Rich E, Garg VK, et al. Patient INTERNET use for health information at three urban primary care clinics. J Am Med Inform Assoc 2004;11(6):499-504 /

Dihealthcare clients A, Griffith R, Ng J, Reinert S, Friedmann P, Moulton A. Patients' use of the INTERNET for medical information. J Gen Intern Med 2002;17(3):180-185.



# Environment for health outreach

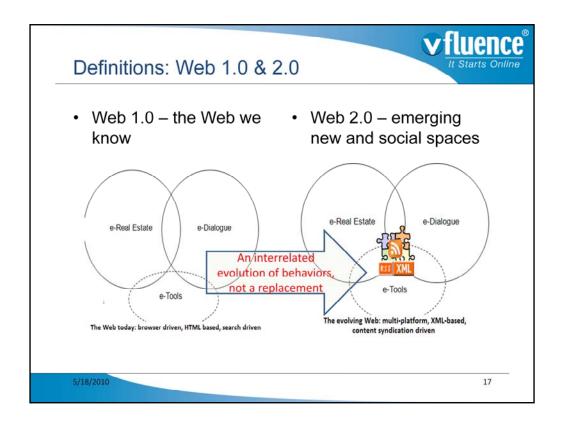
## Before

- TV, radio and print campaigns raised awareness of major conditions and increased demand for brand name drugs with access limited to relatively few commercial players by costs and defined regulatory guidelines
- CME and related outreach provided direct access to prescribers
- Treatment/product-related research controlled and access limited

#### Now

- New media and technologies dominate consumer health spaces with significantly broader base of influential participants
- Regulation has not kept pace: guidelines don't always easily transfer, are interpreted differently among players and aren't yet adequately or consistently enforced
- Pharmaceutical and medical device company access limited by policies and regulations
- Research sources and access opened

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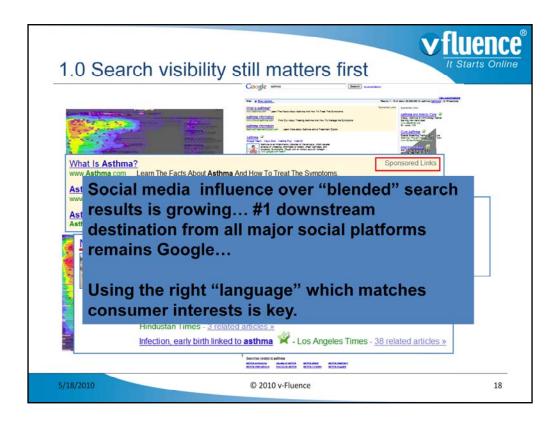


While many today focus on the latest whiz-bang application, it's critical to acknowledge that people use the Internet with well researched and defined behaviors. The behaviors, which can significantly influence opinion and belief formation linked to actions, do not take place in the isolation of a single channel or tactic. Understanding how traditional Web 1.0 behaviors such as search and e-mail are being extended to emerging Web 2.0 activities such as blogging, social networking, multi-media sharing, etc... as specifically relates to your goals is the key to successful ROI.

Web 1.0: Web sites, news portals, search engines, email listservs (distribution lists), interactive online survey and calculator tools, etc...

Web 2.0: Blogs, social networks, micro-blogs (twitter), Multi-media indexes (YouTube), Widgets, etc...

Web 1.0 and 2.0 distinctions are primarily behavioral. Web 1.0 behavior is about proactively seeking and collecting, while 2.0 is about establishing your interests through profiles and behavior which then allows content to find you.



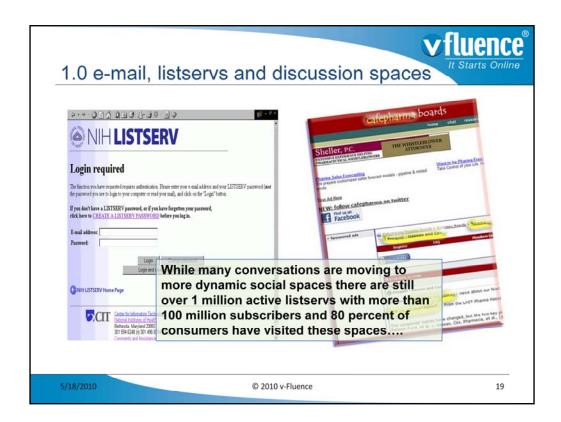
One consistent and key online behavior is that people don't read content on the Web, they scan. Scanning is done with significant speed seeking out key signals (bold terms, common "signage" or recognizable images) from which they can continue their "path-finding" to satisfy their needs.

A key to success is optimizing content against relevant keywords with correspondingly relevant information to appear in these visible spaces. New challenges and opportunities are evolving with advertising placement options, Google Health and Bing Health priority placements, News results, image and video results placements on first page of keyword searches.

Other challenges: On March 26, 2009 DDMAC/ FDA sent letters to 14 major pharmaceutical manufacturers, stating that sponsored link advertisements for specific drugs were misleading due to the lack of risk information. (Max PPC space is 12-15 words/75 characters)

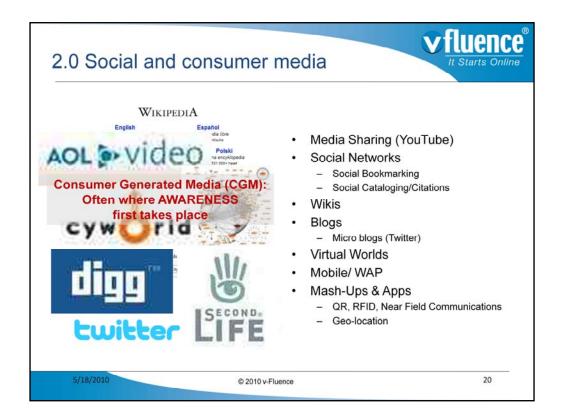
Research, started at Cornell University, using pupil tracking cameras linking eye movement to keystrokes shows this behavior. "Heat Maps" reveal how consumers "scan" versus read Web content. Three types of searches: informational (70%), navigational (15%), and transactional (15%) – for which informational searches rarely extend beyond the first page of search results.

Using terms the search engine report that consumers use (not terms marketers would like them to use) with their corresponding frequency of use we cull the relevant and visible results found on the various search engines and create a visibility index of relevant destinations weighted by the influence. Relevant broad

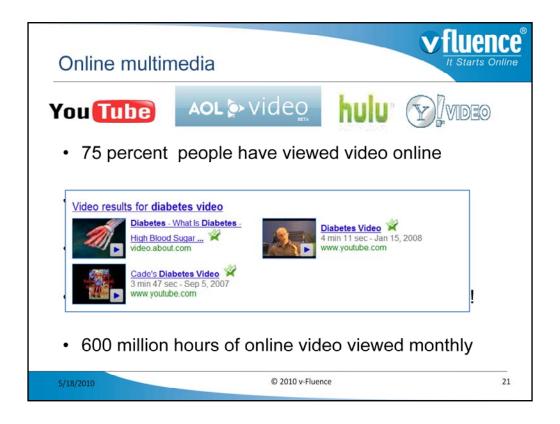


Peer to peer, viral and participatory (topic or other affiliation-specific) discussion groups continue to have significant influence online. While moving to new media social networking platforms, these avenues still exert significant influence. Over 2 trillion e-mail messages sent annually. Over 1 million active listservs with more than 100 million subscribers. 80 percent of consumers have visited an online discussion space and over 60 percent have posted comments.

These spaces generate awareness about emerging health issues such as new treatment options. This awareness leads to inquiries to evaluate, form opinions and take actions. Inquiries largely take place in search. The number one downstream destination from discussions spaces continues to be Google.



Definitions, descriptions and examples of the various social and consumer media platforms and tools, along with best-practice white papers and case studies available to all v-Fluence clients.

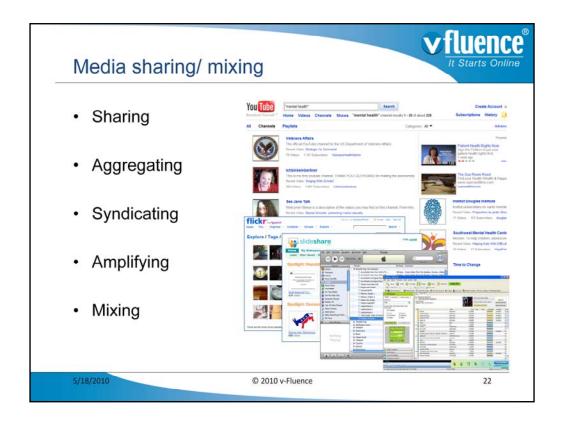


Video hosting services (e.g., YouTube) allow users to <u>upload video clips</u> to an <u>Internet</u> website. The video host will then store the video on its server, and show the individual different types of code to allow others to view this video. These videos can be "served" via embedded code to other destinations such as blogs or social network pages.

YouTube alone accounts for 45 percent of all online video today. In over 60 years of commercial broadcast the three top commercial networks (ABC, CBS and NBC) have produced 1.5 million hours of video – the same volume posted every six months to YouTube.

Video results bars are now being incorporated into general search on Google, Yahoo! and MSN/Bing when sufficient content coded for keywords is available.

v-Fluence Video Sharing White Paper and specific Video Sharing (YouTube, i-Tunes) Best Practices documents are available upon request



Sharing, aggregating, syndicating, amplifying and mixing includes: video, audio, still images and various mixed format (e.g., PowerPoint) media. Tactics and sources vary from hosting platform to hosting platform. Currently there are over 7,000 "health" topic channels on YouTube and over 1 million health treatment related videos collectively viewed more than 500 million times.

YouTube digital ethnography defined: http://mediatedcultures.net/youtube.htm

For examples of mixing, see also: Numa-Numa:

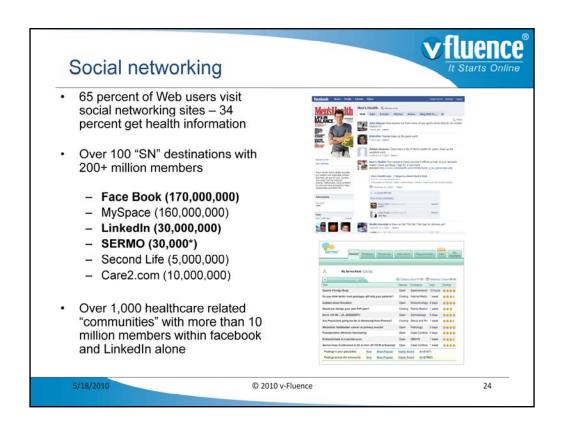
http://www.youtube.com/watch?v=60og9gwKh1o and (over 35 million view – and subsequently remixed over 130,00 times) and

http://djmatman.blogspot.com/2009/03/crazy-youtube-mixing.html



Free Hugs Campaign – example of commenting (97,000 comments) and video response (490).

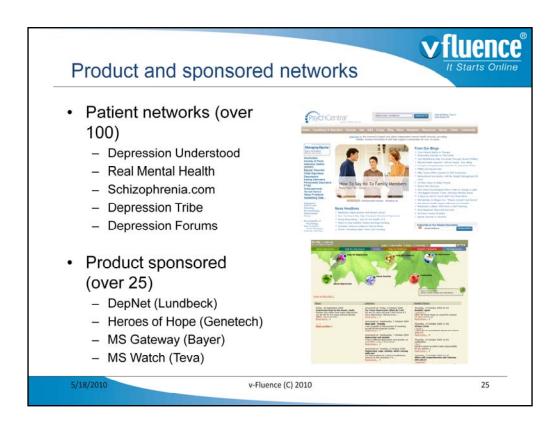
Numa Numa (2004) by 18 year old Gary Brolsma – over 700 million views and 135,000 remix amplifications.

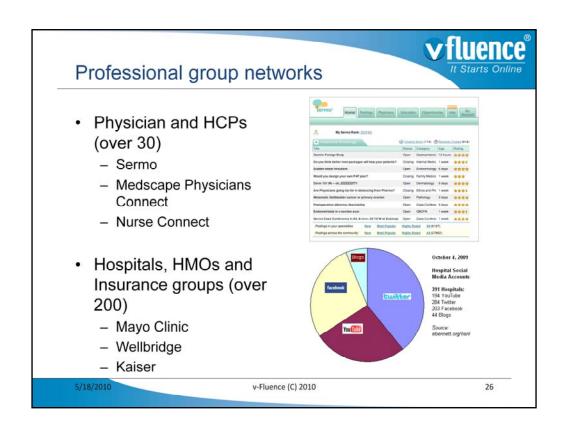


Networked (XML-enabled) member destinations for topic-category content sharing. A social network is a social structure made of individuals (or organizations) called "nodes," which are tied (connected) by one or more specific types of interdependency, such as friendship, kinship, financial exchange, dislike, sexual relationships, or relationships of beliefs, knowledge or prestige. Social network analysis views social relationships in terms of network theory about nodes and ties. Nodes are the individual actors within the networks, and ties are the relationships between the actors. The resulting graph-based structures are often very complex. There can be many kinds of ties between the nodes. Research in a number of academic fields has shown that social networks operate on many levels, from families up to the level of nations, and play a critical role in determining the way problems are solved, organizations are run, and the degree to which individuals succeed in achieving their goals. In its simplest form, a social network is a map of all of the relevant nodes between all the nodes being studied. The network can also be used to measure social capital -- the value that an individual gets from the social network. These concepts are often displayed in a social network diagram, where nodes are the points and ties are the lines.

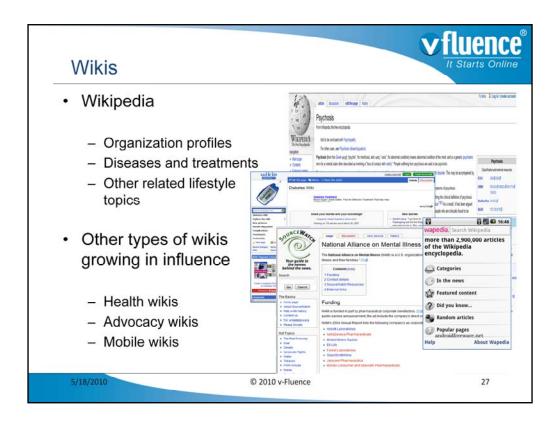
See also Folksonomy - The <u>spontaneous cooperation</u> of a group of people to <u>organize</u> <u>information</u> into <u>categories</u>; a <u>user-generated taxonomy</u>. (Relates to sub-types of social networking, e.g., social bookmarking, social directories, social cataloging, etc...)

v-Fluence Social Networking White Paper and specific Social Network (facebook, LinkedIn) Best Practices documents are available upon request





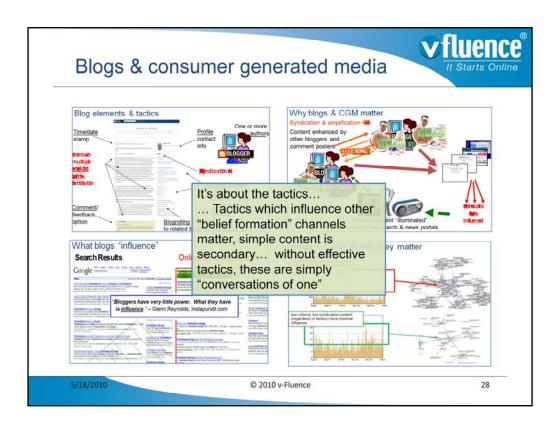
Additional references: http://www.doseofdigital.com/healthcare-**pharma-social-media-wiki**/



A **wiki** is a <u>website</u> that uses <u>wiki software</u>, allowing the easy creation and editing of any number of <u>interlinked Web pages</u>, using a simplified <u>markup language</u> or a <u>WYSIWYG</u> text editor, within the browser. Wikis are often used to create <u>collaborative websites</u>, to power community websites, for personal <u>note taking</u>, in corporate <u>intranets</u>, and in <u>knowledge management</u> systems. Most wikis serve a specific purpose, and off topic material is promptly removed by the user community. Such is the case of the collaborative encyclopedia <u>Wikipedia</u>. In contrast, <u>open purpose wikis</u> accept all sorts of content without rigid rules as to how the content should be organized.

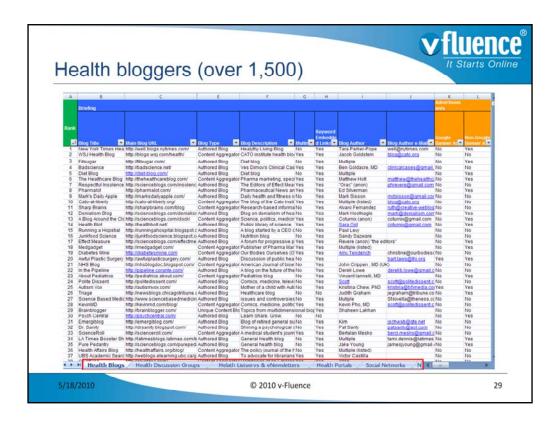
A sample list of health-related Wikis can be found at: http://webtrends.about.com/od/wikilists/tp/list\_of\_health\_wikis.htm a healthcare professional edited Wiki is http://www.medpedia.com

v-Fluence Wiki White Paper and Wikipedia Best Practices documents are available upon request.



A **blog** (a <u>contraction</u> of the term "**weblog**") is a type of <u>website</u>, usually maintained by an individual with regular entries of commentary, descriptions of events, or other material such as graphics or video. Entries are commonly displayed in reverse-chronological order. "Blog" can also be used as a verb, meaning *to maintain or add content to a blog*. Many blogs provide commentary or news on a particular subject; others function as more personal <u>online diaries</u>. A typical blog combines text, images, and links to other blogs, <u>Web pages</u>, and other media related to its topic. The ability for readers to leave comments in an interactive format is an important part of many blogs. Most blogs are primarily textual, although some focus on art (<u>artlog</u>), photographs (<u>photoblog</u>), sketches (<u>sketchblog</u>), videos (<u>vlog</u>), music (<u>MP3 blog</u>), and audio (<u>podcasting</u>). <u>Micro-blogging</u> is another type of blogging, featuring very short posts. Blog search engine <u>Technorati</u> tracks more than 110 million blogs.

Blog influence is largely linked to bloggers potential impact on search results and news portal content visibility. Very few people read or use blogs to form beliefs. However, well syndicated blogs utilizing effective blogging tactics (including keyword anchor text hyperlinking – Google Bombing) can influence what people find in search and online news – areas which can have a significant impact on your brand. Some blogs will achieve direct visibility in search and must be managed as you would any other media, commercial or advocacy influencer affecting your brand.



As with search, health topics are among the most frequently posted in the blogosphere (mental health and cancer being the most frequent therapeutic-specific topics). v-Fluence databases include over 1,500 identified and ranked health-topic dedicated blogs and other social/consumer influencer channels online: discussion groups, listservs, portals, social networks, multi-media channels, etc...

1,500 health blogs750 health discussion boards1,000 + health listservs200 + health portals



**Microblogging** is a form of multimedia <u>blogging</u> that allows users to send brief text updates or <u>micromedia</u> such as photos or audio clips and publish them, either to be viewed by anyone or by a restricted group which can be chosen by the user. These messages can be submitted by a variety of means, including <u>text messaging</u>, <u>instant messaging</u>, <u>email</u>, <u>digital audio</u> or <u>the web</u>. The content of a microblog differs from a traditional blog in that it is typically smaller in actual size and aggregate file size. A single entry could consist of a single sentence or fragment or an image or a brief, ten second video. But, still, its purpose is similar to that of a traditional blog. Users microblog about particular topics that can range from the simple, such as "what one is doing at a given moment," to the thematic, such as "sports cars," to business topics, such as particular products. Many microblogs provide short commentary on a person-to-person level, share news about a company's products and services, or provide logs of the events of one's life.

v-Fluence has identified over 500 healthcare professional Twitter feeds.

Other information: http://www.healthtechnica.com/blogsphere/



A virtual world enables users or players to interact in a computer-based simulated environment populated by avatars (In online gaming, a MUD (Multi-User Dungeon), pronounced /mʌd/, is a multi-user real-time virtual world). Distinction between "real" and "virtual" is getting fuzzier. "Hyper-reality" (concept of media being more real than real) has been explored by: GeoSim www.geosimphilly.com and www.metaverse-labs.com.

Many groups are researching and using virtual worlds to address areas health topics (e.g. diabetes), CME and remote diagnosis.

Healthcare examples:

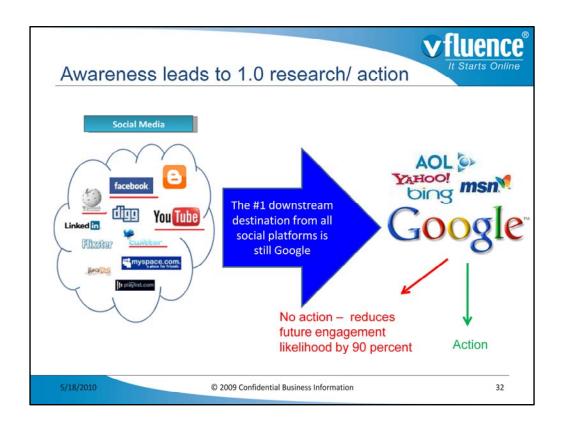
HealthCyberMap.org (and "SLURLs – second life URLs).

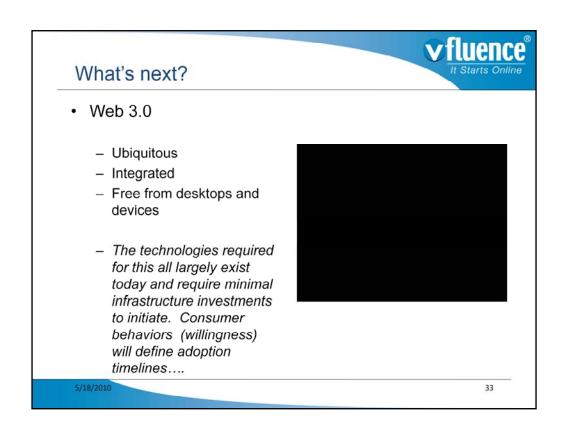
Second Health in SL: http://uk.youtube.com/watch?v=Qtn5wcDA)

Second Life has Medical and Consumer Health Libraries and "Healthinfo Island"

Twinity.com is another virtual world example www.sloodle.com (SL + Moodle) offer ability to gain "clinical" skills, attend live events remotely, American Cancer Society raises funds in SL. Modeling Health Care Logistics in Virtual Worlds: http://ww.ddns.uark.edu

Health Education in Second Life video: http://uk.youtube.com/watch?v=iBj0-mzrAY4 (Cigna Health Ed)

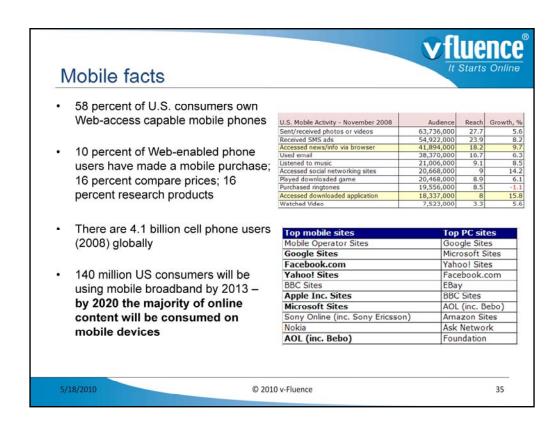




Microsoft Health Vision Video

http://www.microsoft.com/video/en/us/details/b112da1c-c918-41ee-bb45-d6a553496168

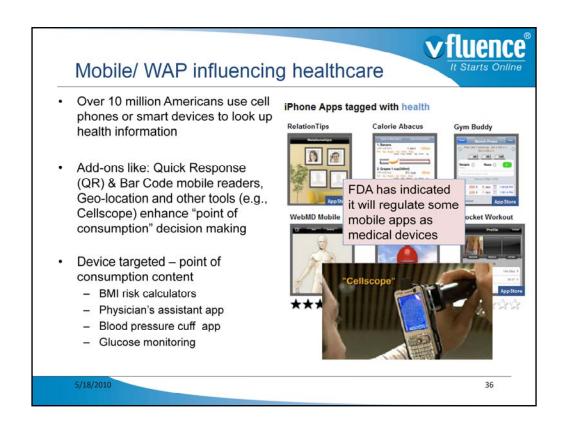




By 2020 majority of online content will be consumed via mobile devices. Apple's iPhone represented 69 percent of U.S. smartphone traffic across mobile advertising marketplace AdMob's network in May 2009, up from 59 percent the previous month. According to AdMob, smartphones now account for 37.3 percent of total U.S. traffic-Research In Motion's BlackBerry devices generated 13 percent of AdMob smartphone traffic last month, followed by devices from HTC (10 percent) and Palm (3 percent). In all, AdMob reached 15.1 million unique users on iPhone and iPod touch devices on 2,309 applications in its network in May, with the average iPhone user in AdMob's network accessing four applications during that time. AdMob adds that five days after the <a href="Launch of the iPhone OS 3.0">Launch of the iPhone OS 3.0</a>, devices running the update represented 44 percent of iPhone ad requests, while only 1 percent of requests came from iPod touch devices running the revamped OS.

By 2013, there will be over 140 million U.S. consumers paying for mobile broadband, which will extend video, communication, networking, and support services to a range of devices. Parks Associates <u>forecasts</u> 4.5 bln mobile phone users worldwide by 2013, with many people using these devices as gateways for entertainment services, community information, and social networking.

http://www.itfacts.biz/us-mobile-internet-activity-in-november-2008/12556



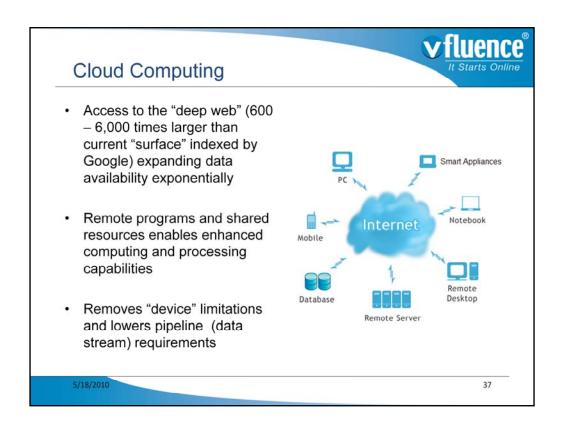
Currently over 1,000 iPhone health-related applications which have been downloaded by more than 1 million consumers. See also: http://www.v-fluence.com/blog/457/turning-mobile-consumers-into-food-safety-inspectors-clinical-diagnosticians-and-more

Parents could soon be using their iPhones to monitor a child's blood glucose levels throughout the day, whether that child is at school or at the beach. Of course, there are already dozens of iPhone apps available for <a href="tracking exercise">tracking exercise</a>, diet, and blood pressure—where you input information yourself. But new tools, like one unveiled in March (2009) by J&J's LifeScan, will monitor health information remotely, then share it with family members or doctors.

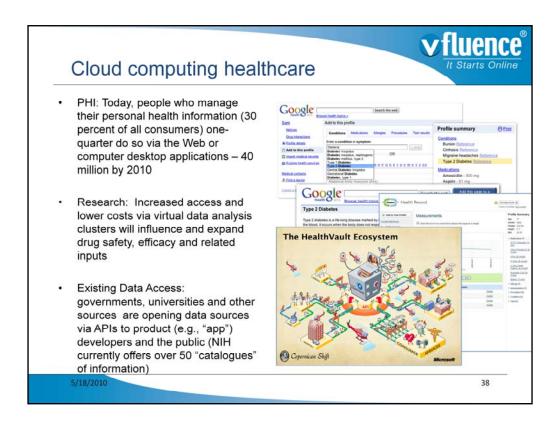
#### And

http://mobihealthnews.com/474/fda-may-regulate-iphone-health-apps/ (FDA to regulate iPhone apps as medical devices)

http://www.youtube.com/watch?v=OcUYo5Erxto



Cloud computing is a new generation of computing that utilizes distant servers for data storage and management, allowing the device to use smaller and more efficient chips that consume less energy than standard computers. Cloud computing services often provide common <u>business applications</u> online that are accessed from a <u>web browser</u>, while the <u>software</u> and <u>data</u> are stored on the <u>servers</u>.

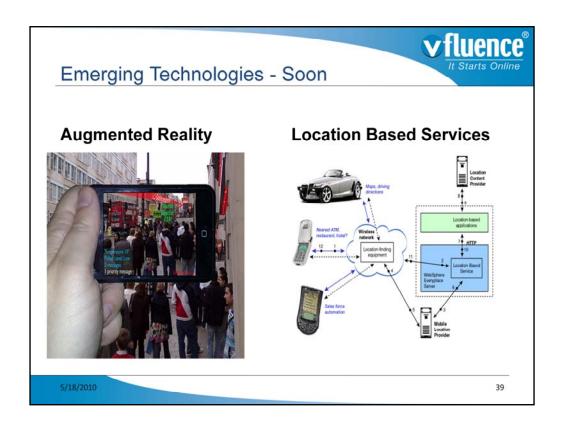


Chilmark research – consumer personal health information data. http://chilmarkresearch.com/2009/01/12/cloud-computing-in-healthcare-a-presentation/

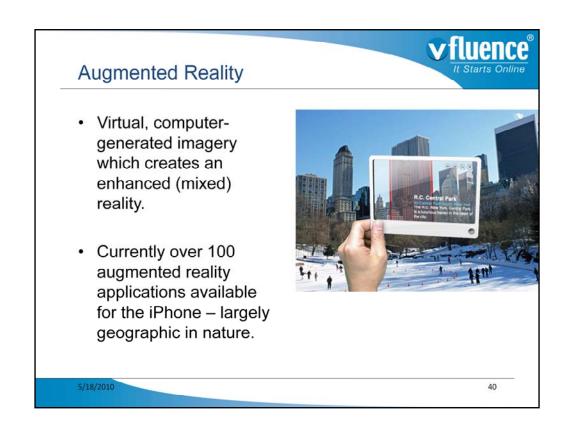
Health research cost example:

http://www.sciencedaily.com/releases/2009/04/090410100940.htm

The NIH, FDA and other US government agencies are currently soliciting public comments on data formatting and related elements which will enable broader public access via http://www.Data.gov.

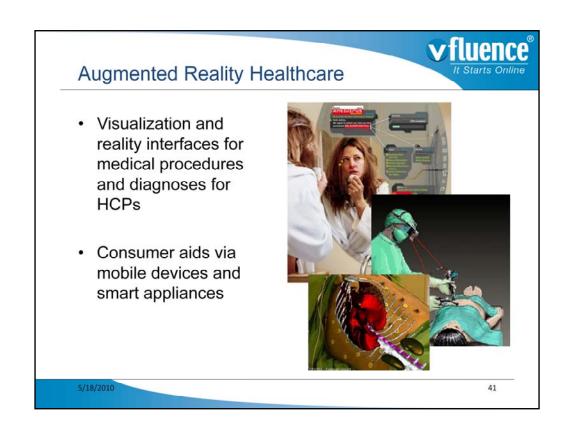


www.v-Fluence.com

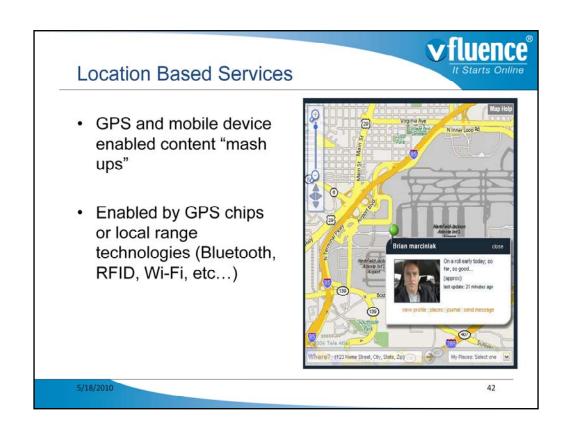


Augmented reality (AR) is a term for a live direct or indirect view of a physical real-world environment whose elements are merged with (or *augmented* by) <u>virtual computer-generated imagery</u> - creating a <u>mixed reality</u>. The augmentation is conventionally in <u>real-time</u> and in semantic context with environmental elements, like for example sports scores on <u>TV</u> during a match. With the help of advanced AR technology (e.g. adding <u>computer vision</u> and <u>object recognition</u>) the <u>information</u> about the surrounding <u>real world</u> of the user becomes <u>interactive</u> and digitally usable. Artificial information about the environment and the objects in it can be stored and retrieved as an information layer on top of the real world view. The term augmented reality is believed to have been coined in 1990 by <u>Thomas Caudell</u>, an employee of <u>Boeing</u> at the time. Augmented reality research explores the application of computer-generated imagery in live-video streams as a way to expand the real-world. Advanced research includes use of <u>head-mounted displays</u> and <u>virtual retinal displays</u> for visualization purposes, and construction of controlled environments containing any number of sensors and actuators.

Additional information: http://www.augmented.org

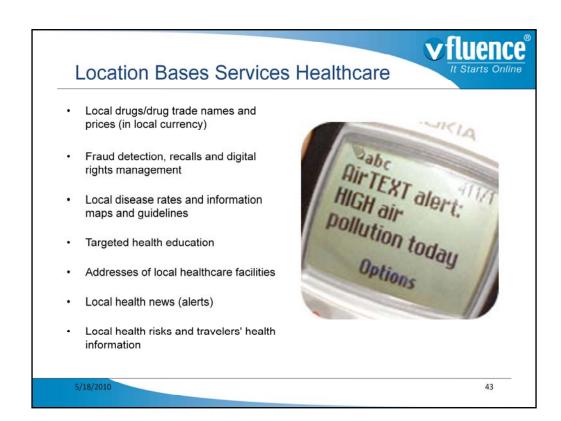


Over 200 augmented reality-related published research papers in health journals.



A **location-based service** (LBS) is an information and entertainment service, accessible with mobile devices through the mobile network and utilizing the ability to make use of the geographical position of the mobile device. LBS services can be used in a variety of contexts, such as health, work, personal life, etc... LBS services include services to identify a location of a person or object, such as discovering the nearest banking cash machine or the whereabouts of a friend or employee. LBS services include parcel tracking and vehicle tracking services. LBS can include mobile commerce when taking the form of coupons or advertising directed at customers based on their current location. They include personalized weather services and even location-based games. They are an example of telecommunication convergence.

Good source for latest LBS health info: http://www.ij-healthgeographics.com/



For more information: http://healthcybermap.semanticweb.org/ and http://www.ncbi.nlm.nih.gov/pmc/articles/PMC149402/

Also: International Journal of Health Geography

http://www.ij-healthgeographics.com/



Early semantic application examples:

Pandora (March 2010) had 48 million users who listened to an average 11.8 hours per month

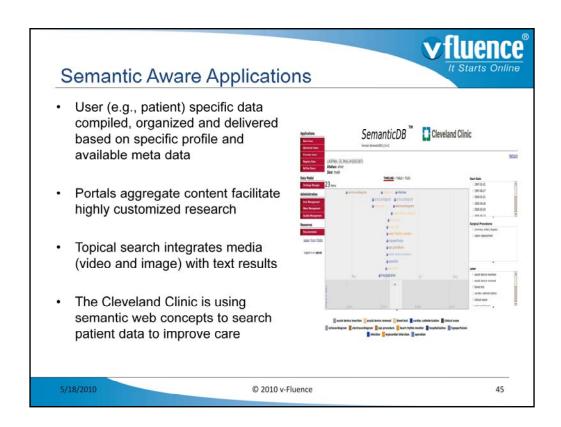
Netflix (Jan 2010) has 14 million subscribers now downloading more content than consuming via mailed disks.

Semantic aware applications allow meaning to be inferred from content and context. The promise of these semantic-aware applications is to help us see connections that already exist, but that are invisible to current search algorithms because they are embedded in the context of the information on the web.

http://horizon.nmc.org/wiki/Semantic-Aware\_Apps

http://www.trueknowledge.com/

Smart objects are the link between the virtual world and the real. A smart object "knows" about itself — where and how it was made, what it is for, who owns it and how they use it, what other objects in the world are like it — and about its environment. Smart objects can report on their exact location and current state (full or empty, new or depleted, recently used or not). Whatever the technology that embeds the capacity for attaching information to an object — and there are many — the result is a connection between a physical object and a rich store of contextual information. Think of doing a web search that reveals not pages of content, but the location, description, and context of actual things in the real world.



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http://www.w3.org/2001/sw/sweo/public/UseCases/ClevelandClinic/

http://www.trueknowledge.com/

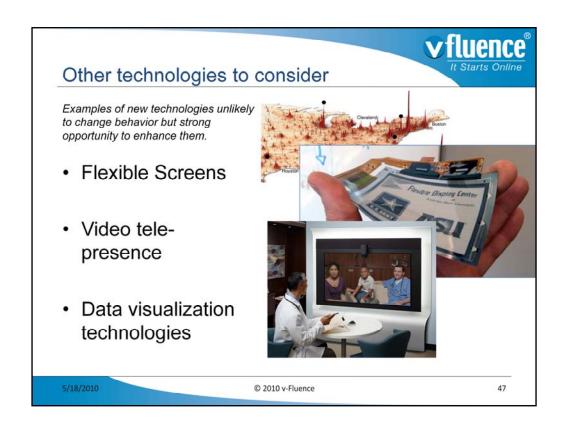


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http://wp.nmc.org/horizon2009/chapters/smart-objects/

http://www.sciencedaily.com/releases/2008/04/080408120106.htm

http://www.rfidjournal.com/article/articleview/4326/2/1/



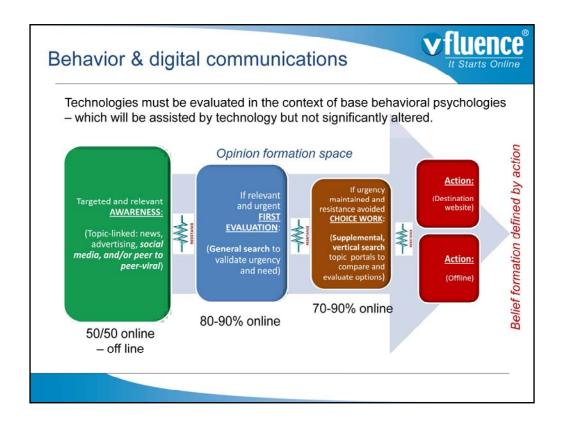
Flexible screens (will enhance the Internet of Things/Smart objects): http://gizmodo.com/5273364/flexible-oled-screens-are-really-coming-now

Telepresence (will accelerate augmented reality into the home via VOIP and related applications): http://en.wikipedia.org/wiki/Telepresence and http://www.cisco.com/en/US/netsol/ns669/networking\_solutions\_solution\_segment\_hom e.html

Data visualization (will be used to enhance and access cloud computing content): http://www.smashingmagazine.com/2010/09/11/25-useful-data-visualization-and-infographics-resources/

## Social engagement ROI opportunities now 1. Peer-to-peer (viral, e-mail) 4. Media sharing and mixing - Up to 90 percent CTRs - Broader audiences, limited participants - Highest credibility Strong viral and engagement opportunities Strongest ROI potential Facilitated with online tools Extendable for amplification into social networks and other Web 2.0 channels (blogs) 2. Social networking direct earned High credibility, moderate CTRs 5. Mobile tools - Peer profile/ update driven - High growth opportunities (early mover facebook, MySpace, LinkedIn advantages) Facilitated by client or partner social - SMS/MMS content profile content and tools - QR code integration - Smart phone apps 3. Social networking indirect earned - High audience relevance 6. Targeted influencer outreach Organization or topic group driven - Discussion group leaders/ participants - Expanded channels - Care2, Sermo Bloggers - Client or partner profile content/ tools - Micro-bloggers (Twitter) 5/18/2010 © 2010 Confidential Business Information 48

Social media engagement is, by definition, "peer" relationship driven. Resources need to be developed which "arm" people with both information and tools which support (belief defining) actions linked to information that they can share... If an organization cannot easily transform and define itself into a "peer" role, it's influence must be developed as a support role for peers.



Adapted from the Daniel Yankelovich model of opinion to belief to action process (cite: http://www.annenberg.northwestern.edu/pubs/violence/viol5.htm )

We overlay the psychological tenets of converting awareness to commitment with well researched online information gathering behaviors to evaluate and model online environments and associated technologies from the perspective of how related issues will be influenced.

Emerging technologies are enhancing, not replacing, these behaviors – in some cases shortening processes but rarely elminiated core components.



## Simple considerations for success

Integrate your traditional activities with online resources developed for:

- Visibility
  - Content availability and extension in relevant awareness channels
  - Content presence in relevant inquiry and opinion formation spaces
- Usability
  - Behavioral (audience) usability
  - Technical usability for maximum extension of content and tools
- Measurability beyond HITS
  - Actionable content and tools
  - Conversions specific to goals

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