Major Trends in Health Marketing:

How do they Apply to Genomics Communication?

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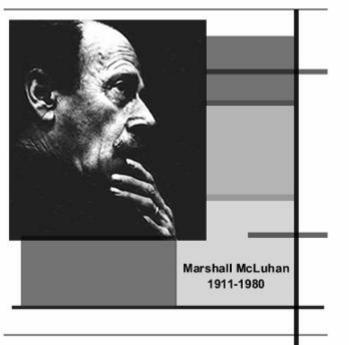
National Center for Health Marketing Centers for Disease Control and Prevention

Personal Genomic October 17, 2008



Trend #1
The medium is
no longer the message.

Only multi-media can convey the message.

















































































































































































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Multi-Media Data Trends

- Average informed person reads or listens to 7 sources of information daily
 - Pew, 2008
- About 25% of all media use time is spent using multiple media simultaneously
 - Foehr, 2006; Papper et al., 2004
- Media "multitasking" means that Americans are accessing more media in less real time
 - Della et al., 2008



























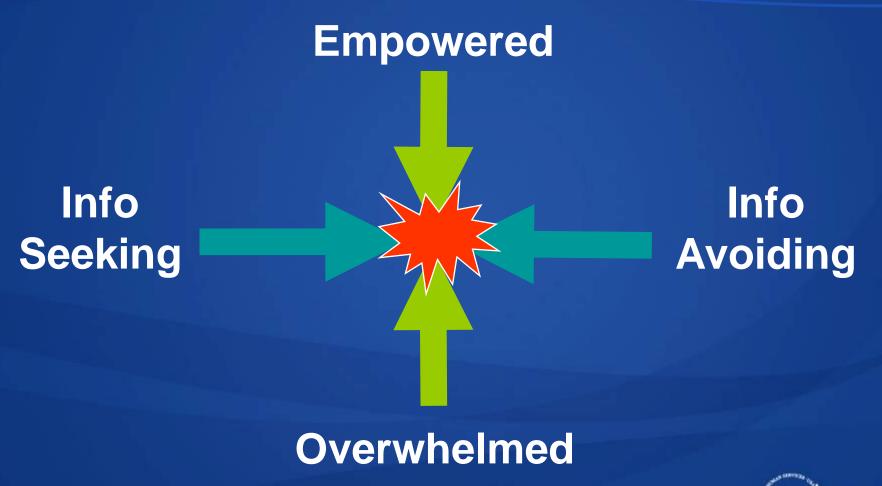








Health Consumers in 2008





Integrated Health Marketing Campaign: Seasonal Influenza Vaccination (2007 – 2008)























Multi-Media Genomics Communication

- To increase personal genomics awareness
 - -Use multiple channels to reach the public
 - Mediate message through partners
 - Make information accessible for seekers
 - -Generate info demand among non-seekers
- Research the most effective channels



Trend #2

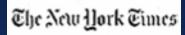
Information sources are shifting from experts and authorities to communities and peers.



Shift from Experts to Communities

- Internet genetics info-seeking affected by perceived accuracy, source credibility, and comfort with online genetics information
 - Bernhardt et al., 2002; 2004
- Traditional media are among the most trusted sources of information, but...
- Social media are increasingly viewed as trusted sources; "person like me" = trusted
 - Edelman, 2008







Traditional Media (vertical)









Aim for the "Sweet Spot"



- Edelman trust barometer

Social Media (horizontal)







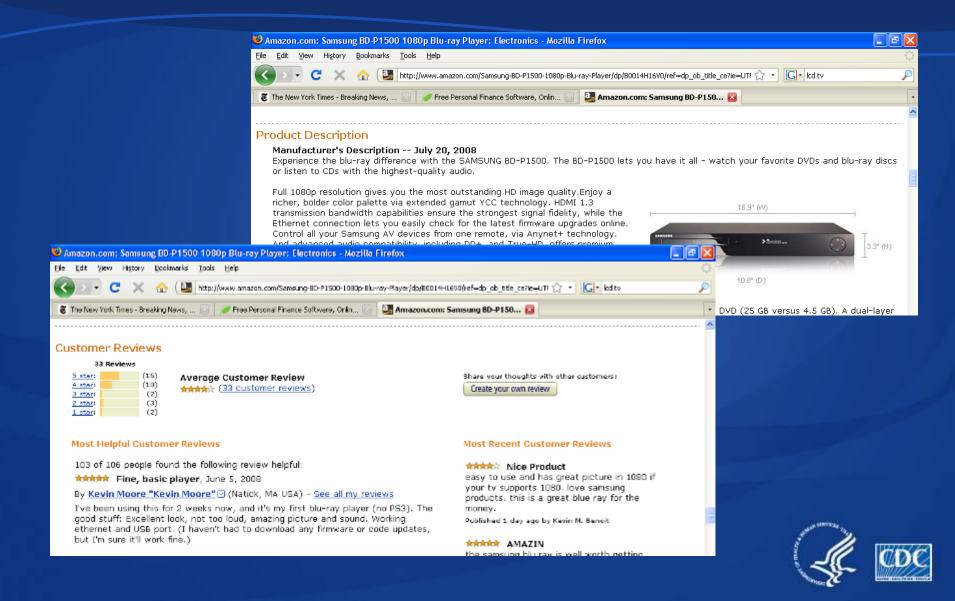








Today's Consumer Decisions



Today's "News"



\$700 billion bailout: Will it work?

The \$700 billion bailout plan signed into law Friday may get banks to start lending to each other again. But it remains to be seen how long that will take to jump start an ailing economy,

- · Morales: Keep U.S. anti-drug 'spies' out of Bolivia
- · Europe told to act like U.S. on credit crisis
- · U.S. halts plan for Iran diplomatic post, AP says
- · People: Howard Stern, longtime girlfriend marry
- · U.S. reports 4 pirate attacks off Somalia
- · Lightning bolt fells man pumping gas 🕞
- Birds abandon lke's devastation, leaving silence.
- Man loses 550 lbs., gains bride 🕒 🎌
- · Man kills in-laws with firebomb, police say
- · Naked girl snowboards get icy reaction 🕞 📆
- · U.S. says al Qaeda in Iraq mastermind dead
- · iReport.com: Surviving a handshake with Obama
- CNN Wire: U.S. choppers collide in Iraq





Today's TV



Social Media for Health Promotion













Social Media for Genomics Communication

- To increase personal genomics awareness
 - Message through vertical & horizontal media
 - Mine horizontal media for consumer data
 - Use experienced peers as spokespeople
- Clinical personal genomics communication
 - Peer messages drive expert engagement
 - Expert messages validated horizontally
- Research vertical and horizontal balance



Trend #3

Mass media and interpersonal communication have converged into tailoring and micro-media.



What is Tailoring?

 "Tailoring is any combination of information or change strategies intended to reach one specific person, based on characteristics that are unique to that person, related to the outcome of interest, and have been derived from an individual assessment."

- Kreuter, MW, and Skinner, CS (2000)



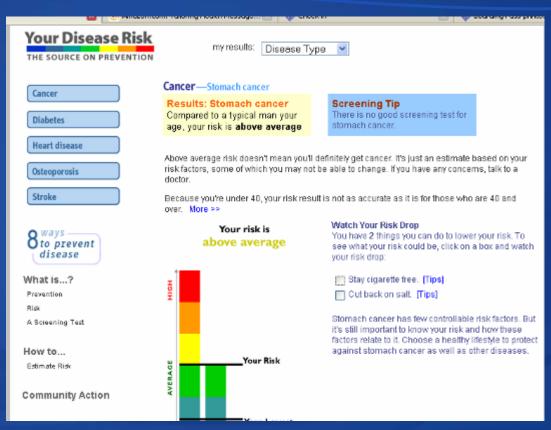
Tailoring Messaging Data Trends

- Mass media-based approaches to behavior change have had limited effectiveness
 - Snyder et al., 2004
- Enhanced relevance and salience increases likelihood of behavior change
 - Rimer & Kreuter, 2006
- Tailored messages are more likely to be perceived as relevant and salient
 - Kreuter & Wray, 2003; Rimer & Krueter, 2006
- Tailored messages have effectively changed diet, physical activity, immunization, etc,
 - Kreuter & Wray, 2003



Tailored Message Strategies

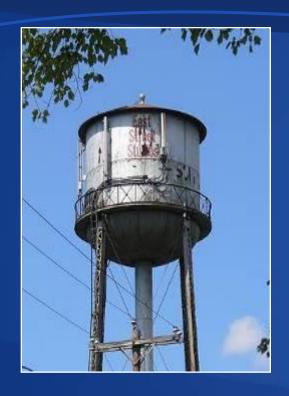








Mobile Health Communication









Texting4Health Conference
Using SMS to Motivate Behavior Change





Mobile Tailored Interventions

- Weitzel, Bernhardt, Usdan, et al. (2007)
 - Used mobile devices for daily surveillance
 - In RCT, treatment group got SMS messages tailored to drinking status and risk behaviors
 - Significant reductions in alcohol use and negative outcome expectations compared to comparison group receiving non-tailored SMS

More research on mobile applications



Tailored Genomics Communication

- Goal: Provide genomics information, tests, and tools where, when, and how people (or patients) want them and need them
- Can tailor on demographics, psychographics, psycho-social beliefs, communication factors, individual abilities, individual preferences, etc.
- Research most effective tailoring variables

Tailoring on Personal Genomics?

 "Tailoring is any combination of information or change strategies intended to reach one specific person, <u>based on characteristics</u> that are unique to that <u>person</u>, <u>related to</u> the outcome of interest, and have been derived from an individual assessment."

- Kreuter, MW, and Skinner, CS (2000)



Reviewing the Trends

- Multi-media messaging for reach
- Expert <u>and</u> peer messages for relevance
- Tailored messages for impact



Thank you from the CDC National Center for Health Marketing!

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