HOW CAN CONSUMERS OF INTERNET HEALTHCARE INFORMATION BE SEGMENTED? A SYSTEMATIC REVIEW

by

Ronald C. Stevenson, MD

A CAPSTONE

Presented to the Department of Medical Informatics and the Oregon Health & Science University School of Medicine

in partial fulfillment of the requirements for the degree of

Master of Biomedical Informatics

October 2008

School of Medicine Oregon Health & Science University

CERTIFICATE OF APPROVAL

This is to certify that the Master's Capstone Project of

Ronald C. Stevenson, MD

"How can consumers of Internet healthcare information be segmented? A systematic review"

has been approved

Holly Jimison, PhD

TABLE OF CONTENTS

Acknowledgements	<u>page</u> ii
Abstract	iii
Introduction	1
Methods	6
Results	10
Discussion	67
Conclusion	79
References	80
Appendix A	82
Appendix B	107

ACKNOWLEDGEMENTS

There are several individuals that played critical roles in my accomplishment of this capstone. Most important is my daughter Emma, who is ultimately the reason I do anything these days. Other family, especially my mother and siblings, have provided moral and other support, without which there would be no capstone. Likewise for some of my friends that I gained through OHSU Department of Medical Informatics, namely Denise, Hari, and Heather. Finally, I want to thank Holly Jimison (my capstone advisor) and Diane Doctor (the department's educational program coordinator) for their vital roles beyond the dutiful. Their tremendous help and understanding throughout the capstone process will be of no surprise to anyone that knows them.

ABSTRACT

Objective

To systematically review the literature on the segmentation of Internet consumer healthcare information seekers and identify variables that characterize these seekers.

Methods

Search strategy: Electronic databases searched included Business Source Premier, CINAHL, Compendex, EBSCOHost, ERIC, LISTA, MEDLINE, PsycINFO, Web of Science, ISI Proceedings, SocINDEX, Sociological Abstracts, Library Literature, PAIS International, and Dissertations and Masters Theses. A manual search of references from citations retrieved from these databases was also performed.

Inclusion criteria: I included all study types that investigated consumers seeking information on the Internet and either compared healthcare information seekers with nonseekers, or compared segments within the healthcare information seeking population.

Outcomes sought in the studies were 1) searching for consumer healthcare information on the Internet, and 2) the frequency of such searches. I also sought articles describing the segmentation of Internet healthcare information seekers.

<u>Data extraction and synthesis:</u> I screened all papers and assessed studies against the selection criteria. The resulting data was compiled and assessed, but no attempt was made to combine the data for statistical analysis.

Results

I identified 18 studies that met inclusion criteria. Most of the included studies were analyses of surveys. Internet healthcare information seekers have been described and compared with non-seekers using a variety of demographic, psychographic,

iii

behavioral, situational, medical, and computer-related characteristics. The importance of the variables found to characterize seekers is assessed.

Conclusion

Internet healthcare information seekers may be segmented using a variety of demographic, geographic, psychographic, behavioral, medical, computer/Internet-related, and situational variables. Demographic variables are the best studied; psychographic and behavioral factors may be more important but are less well studied. There is a lack of segmentation studies and controlled studies on variables describing Internet healthcare information seekers.

INTRODUCTION

Background

A large number of consumers seek health information on the Internet. The latest Harris Interactive poll on this topic found that 150 million US adults have ever gone online for health information and 50% of all US adults have done so in the last month [1]. These healthcare information seekers are, of course, a diverse group - both in terms of their descriptive characteristics, such as demographics, medical status, and lifestyle, and how they seek and use consumer health information (CHI). While the Internet is already a well-used source for health information, one of its more appealing strengths is the potential to provide tailored information to this diverse group of healthcare information seekers.

One way to tailor CHI would be to divide the broad consumer market into smaller segments that characteristically seek and use information in distinct ways. Conceivably, the most effective information and formats could then be presented to the defined segments, thereby tailoring the healthcare information and better satisfying their needs.

As a concrete example of tailoring healthcare information on the Internet, we can look at a potential project between OHSU and a commercial provider of consumer health information. This commercial provider has a vast amount of demographic, medical, and other personal data on the thousands of consumers of its website. Presumably, the provider also has data related to each consumer's access and use of information for health purposes. If the appropriate individual factors were known, this specific data could be gathered and - along with individual web site use data – analyzed (typically by cluster analysis) to partition the consumers into segments which access or use its health information in characteristic ways. Health information could then be tailored, for example in its depth or method of presentation, to the identified segments for improved satisfaction and/or efficacy. A crucial aspect of the segmentation process is some knowledge of which factors (i.e. variables) are most likely associated with CHI seeking of the consumers.

The division of a consumer market into different homogeneous groups is the business practice known as market segmentation. Consumers within these groups (segments) should behave in similar ways or have similar needs. Typically, consumer markets are segmented based on four general categories of characteristics: [2]

- Demographic (e.g., age, gender, ethnicity, occupation, income, family size, education)
- Geographic (e.g., region, city size, population density (urban vs. rural), climate)
- Psychographic (e.g., values, attitudes, interests, activities)
- Behavioral (e.g., usage rates, benefits sought, brand loyalty, readiness to buy)

In the healthcare market, another potentially useful category would be medical factors, which could include information such as diagnoses, medications, family history, and healthcare plan. For consumer markets involving the Internet, a potentially useful category would be computer and Internet factors, which could include aspects such as computer literacy and Internet experience. Another category not classically included, but which has garnered increasing attention in the last several years, is situational factors,

which could include issues such as the urgency of the information need and the beneficiary of the information.

Studies of consumer segmentation in the realm of healthcare are limited compared to other consumer areas. Within the healthcare arena, published segmentation studies have typically related consumers to health products (other than information) and healthcare delivery. In the area of consumer health information, market segmentation related to non-Internet (and mixed Internet/non-Internet) sources of information has been investigated [3] [4], but studies addressing strictly online health information are lacking in the published literature. Similar to other Internet products, some of the most extensive and practical research in the Internet healthcare information seeking population has been by consulting groups where the specifics of segmentation analysis are proprietary.

The goal of my capstone was to determine the most useful market segmentation variables for consumers seeking healthcare information on the Internet. To this end, I planned a systematic review of the literature on the segmentation of consumers seeking healthcare information on the Internet. The systematic review was to encompass quantitative and qualitative studies and other articles in both the commercially-published and "gray" literature.

Key Questions and Analytic Framework

The capstone goal specifies the who, where, and what of the literature search; that is, I was interested in healthcare consumers seeking CHI (who), on the Internet (where), for the identification of useful consumer segments (what). Key questions were developed to plan and carry out the literature search effectively. The primary question identified was:

1) What consumer variables identify Internet CHI seeking patterns?

Other questions felt to be important were:

2) How are CHI consumers segmented?

- 3) Do specific segments characteristically seek CHI on the Internet?
- 4) Do specific segments characteristically use the CHI obtained to make healthcare decisions and/or change behavior?

An analytical framework that diagrams the project goal and the key questions is:



Originally, the goals of this capstone included identifying variables associated with all reported outcomes of CHI seeking and its frequency. For example, outcomes related to healthcare knowledge, health decisions, and behavioral change were of particular interest. The amount of relevant data proved to be too great for clear and timely summation (and thus, completion of this capstone), so the outcomes of interest were reduced to two: the absolute seeking of CHI and the frequency of CHI seeking.

METHODS

Inclusion criteria

A main criterion for inclusion was that the study investigated consumers seeking health information on the Internet. I included all study types; comparative studies were included as long as there were comparisons made between healthcare information seekers and non-healthcare information seekers, or between segments within the Internet healthcare information seeking population. In the end, the only outcomes sought in the comparison studies were health information seeking and seeking frequency. As stated previously, I originally included outcomes other than the absolute occurrence or the frequency of CHI seeking, but the amount and nature of the results proved excessive for a capstone project. Surveys were included as long as correlations were tested and reported between possible segment variables and healthcare information seeking or seeking frequency

Studies that investigate the characteristics of Internet CHI seeking do not always limit the study population to those with computer/Internet access. In order to provide a more comparable group of study populations, I included only studies that looked at Internet users.

Although not an inclusion criterion, I also sought descriptive studies that illustrated the segmentation of Internet healthcare information seekers.

Exclusion criteria

I excluded non-Internet sources of health information. Many sources for health information (e.g., magazines, television, experts, or other computer-based sources such as information kiosks) are available and have been studied. I was specifically interested in the Internet as a direct source of health information because of its universal availability and its potential for providing customized information. Also, I was strictly interested in the information seeking of healthcare consumers, so I excluded studies that investigated information seeking of providers or other health professionals.

I was most interested in the informational aspects of the Internet, as opposed to its social or communicative features. Thus, I excluded studies and/or results in which CHI seeking was limited to messaging or support groups, even if the activity involved health information. Also, I excluded studies in which the CHI was limited to health insurance or health records. I excluded studies that specifically compared different sources of CHI on the Internet and studies on the quality, credibility, or trust of Internet CHI or websites.

Identification of studies

Studies were identified from multiple electronic databases covering medical, sociological, and business publications, which were chosen in consultation with reference librarians at Oregon Health & Science University and Portland State University. Multiple disciplines were required because of the nature of the capstone goal and key questions. The specific databases searched were Business Source Premier, CINAHL, Compendex, EBSCOHost, ERIC, LISTA, MEDLINE, PsycINFO, Web of Science, ISI Proceedings, SocINDEX, Sociological Abstracts, Library Literature, PAIS International, and Dissertations and Masters Theses.

A MEDLINE search was developed using search terms including Internet, web, online, consumer, health, medical, information, seek, search, sought, segment. A strictly keyword search strategy was used so that the same search query could be used for all the selected literature databases. The specific keyword query was: (Internet OR web OR online) AND (consumer*) AND (health* OR medical) AND (information) AND (seek* OR search* OR sought OR source* OR segment*), where * represents additional letters or suffixes. This keyword query was made on the titles, abstracts, and subject terms of MEDLINE. The results were compared with those from a more complex MEDLINE search (formulated by an OHSU research librarian) using subjects and keywords. The comparison was done in order to ensure that comparable search results were obtained and that specific vital articles were identified. Searching was not restricted by study type, language, or publication date.

The keyword search developed for MEDLINE was then adapted and used to search the other databases. Depending on the database, the keyword query was made on the abstracts, +/-titles, and +/-subject terms. All searches were conducted in March 2008. The search results are shown in Appendix A.

A manual search of references from citations retrieved from these databases was also performed.

Study selection and data extraction

Citations retrieved by the searches described above were downloaded to individual files using a bibliographic application (EndNote 9.0), then combined to form a single library. Duplicates were removed. I reviewed the abstracts and used the inclusion/exclusion criteria to remove citations that clearly did not meet criteria. Full texts of the remaining citations were sought and appraised by me for final inclusion.

Statistical analysis

I intended to assess the relative contribution of included studies, but the nature of the studies did not allow data pooling or statistical analysis.

RESULTS

Combining the searches from all databases and removing duplicates resulted in 748 citations. Initial application of selection criteria to abstracts resulted in 104 citations (see Appendix B). Full articles were obtained for these citations; application of selection criteria and inclusion of manual search articles resulted in 19 citations.

Of these 19 citations, five were authored by Lorence and Park or Lorence, Park, and Fox [5-9], and all five used data, at least in part, from a single survey (the 2002 Tracking Survey Data of the Pew Internet and American Life Project). Upon careful inspection of these articles, it was discovered that there was replication (and questionable presentation) of pertinent results in two of the articles. In one [6], there were results besides the repetitive results that added to this review, thus this citation was maintained among the included. In another [9], all results pertinent to this review were included in another citation, thus, it was excluded, leaving 18 included citations. For my summary, the repetitive pertinent results are disregarded. Also, some results from the other three studies use overlapping samples from the above-referenced survey; I attempt to account for this in my summary tables and analyses.

The results of the included citations are summarized in Table 1 and Table 2. Table 1 shows the studies in which the outcome was the searching of consumer health information on the Internet; Table 2 shows those in which the outcome related to the frequency of such searching. For each of these tables, I list the study type, relevant sample size and population description, and pertinent results for each study. The results include the outcome or dependent variable (as described by the study authors), the

10

independent variables for which results are reported, and the significance and (when reported) direction of effect.

The results for each citation in Tables 1 and 2 are also categorized by the statistical tests used, with the results separated by whether they were determined by logistic regression analysis or other statistical testing. Logistic regression analysis is considered to be stronger evidence of the variables' effects on CHI seeking and/or CHI seeking frequency because this type of analysis controls for other variables; it also can clearly show both the direction and magnitude of an effect.

Study	Population	Outcome	Variable	Significance and/or direction
			Comments	S
Baker (2003)	n = 4764	Use of Internet	Gender	
[10]		for health	male vs female	p < 0.001 (male less likely)
	Respondents from a	information or		
Survey	national research	advice in past	Age	
	panel of adult (≥ 21	year	35-49 yr vs 21-34 yr	NS
	yr) who were Internet		50-64 yr vs 21-34 yr	NS
	users prior to panel		65-74 yr vs 21-34 yr	NS
	inclusion (panel		>75 yr vs 21-34 yr	p = 0.048 (> 75 yr less likely)
	maintained by			
	Knowledge Networks,		Household income	
	Menlo Park CA)		\$25k – \$49,999 vs < \$25k	NS
			\$50k - \$74,999 vs < \$25k	NS
			> \$75k vs < \$25k	NS
			Education	
			$\frac{12}{16} \frac{16}{10} \frac{12}{10} 12$	$\mathbf{r} < 0.001 (12.16 \text{ yr more likely})$
			13-10 yr vs < 12 yr	p < 0.001 (13-10 yr more likely) p < 0.001 (> 17 yr more likely)
			\geq 17 yr vs < 12 yr	$p < 0.001 (\ge 17 \text{ yr more likely})$
			Residence	
			MSA vs not MSA	NS
			Health status (salf raport)	
			good vs excellent/v good	NS
			fair/noor vs exc /v good	n < 0.001 (fair/poor more likely)
		I ogistic regressio	n analysis	p > 0.001 (fail/poor more fixely)
		For the variable of	of Residence $MS\Delta$ is Metropolity	an Statistical Area
		Tor the variable of Residence, MSA is Metropolitan Statistical Area		

Table 1: Summary of included studies on consumer health information seeking

Study	Population	Outcome	Variable	Significance and/or direction
		Comments		
Berger (2005) [11] Survey	n = 6246 Respondents from a national research panel of adult (\geq 21 yr) Internet users who had one of 15 chronic illnesses (panel maintained by Knowledge Networks, Menlo Park CA)	Use of Internet for CHI in past year	Diagnosis of a stigmatized illness (anxiety, depression, herpes, or urinary incontinence)	<pre>p < 0.01 (more likely than those diagnosed with a chronic non- stigmatized illness, e.g., arthritis)</pre>
	Analyses weighted to match 2001 US population on age, sex, race/ethnicity, education, region, and metropolitan residence.	Multivariate logi chronic illnesses, income, gender, distance to medic	stic regression model. Covariates self-reported health status, age, over veteran status, rural residence, en cal care	s controlled for included number of education, race, Hispanic ethnicity, poloyment status, marriage status,

Study	Population	Outcome	Variable	Significance and/or direction
			Comment	S
Bessell (2002)	n = 1380	Use of Internet	Gender	
[12]		for CHI in past	male vs female	p = 0.001 (male more likely)
	Subset of Internet	year	Age	
Survey	users in a survey of		< 35 yr vs 55+ yr	p < 0.001 (<35 yr more likely)
	3027 South		35-54 yr vs 55+ yr	p < 0.001 (35-54 yr more likely)
	Australians, age 15 yr		Region	
	and older		non-metro vs metropolitan	NS
			Household income	
			40k + vs < 40k	p < 0.001 (\$40k+ more likely)
			Education	
			<15 yr / trade vs >15+ yr	NS
			In school vs $>15+$ yr	p = 0.002 (in school more likely)
			Degree/certificate vs >15+	p < 0.001 (degree more likely)
			Employment	
			employed vs not employ'd	NS
			Marital status	
			married vs never married	NS
			sep'd/divorced/widowed vs	NS
			never married	
		Logistic regression	on analysis.	
		\$ not specified by	ut probably refers to Australian cu	urrency.
		Years in Education	on refers to age.	

Study	Population	Outcome	Variable	Significance and/or direction
			Comment	S
Brodie (2000) [13] Survey	n = 656 (approx) Respondents from the (nationally representative) 2000 National Survey of American Adults and Kids on Technology (by NPR/Kaiser FF/ Kennedy School of Government) who	Use of the Internet to get health or medical information (timeframe not clearly specified)	Gender female vs male Income $<$ \$30k vs \ge \$50k \$30k - \$49,999 vs \ge \$50k Education \le 12 yr vs $>$ 12 yr Race	p < 0.05 (female more likely) NS NS NS
	were < 60 yr old and had Internet access at		Black vs White	NS
	home.	Statistical test(s)	not stated.	1

Population	Outcome	Variable	Significance and/or direction
		Comments	5
n = 8378	Use of the	Gender	
	Internet to	male vs female	$p \le 0.01$ (male less likely)
Respondents from a	search for CHI	Age:	
national research	at least once in	21-30 yr vs 41-50 yr	NS
panel of Internet users	past year	31-40 yr vs 41-50 yr	NS
(panel maintained by		51-64 yr vs 41-50 yr	NS
Knowledge Networks,		65-74 yr vs 41-50 yr	$p \le 0.01$ (65-74 yr less likely)
Menlo Park CA)		75+ yr vs 41-50 yr	$p \le 0.01$ (75+ yr less likely)
		Education	
		$> 12 \text{ yr vs} \le 12 \text{ yr}$	$p \le 0.01$ (> 12 yr more likely)
		Income	
		\$35-75 k/yr vs < \$35 k/yr	NS
		>\$75 k/yr vs \$35 k/yr	NS
		Travel time for care	
		15-29 min vs < 15 min	NS
		$30 + \min < 15 \min$	NS
		Rural	NS
		Health insurance and presence	
		of chronic illness:	
		Private/Yes vs Private/No	$p \le 0.05$ (Private/Yes more likely)
		Public/No vs Private/No	NS
		Public/Yes vs Private/No	$p \le 0.01$ (Public/Yes more likely)
		None/No vs Private/No	$p \le 0.05$ (None/No less likely)
		None/Yes vs Private/No	$p \le 0.01$ (None/Yes more likely)
	Logistic regression	on analysis.	
	Chronic illness is	at least one of HTN, DM, CA, ca	ardiac disease, depression.
	Population n = 8378 Respondents from a national research panel of Internet users (panel maintained by Knowledge Networks, Menlo Park CA)	PopulationOutcomen = 8378Use of the Internet to search for CHI at least once in panel of Internet users (panel maintained by Knowledge Networks, Menlo Park CA)Use of the Internet to search for CHI at least once in past yearNenlo Park CAImage: Comparison of the comparison of t	PopulationOutcomeVariablen = 8378Use of the Internet toGender male vs femaleRespondents from a national research panel of Internet users (panel maintained by Knowledge Networks, Menlo Park CA)Use of the Internet users past yearGender all-40 yr vs 41-50 yr 51-64 yr vs 41-50 yr 65-74 yr vs 41-50 yr 75+ yr vs 41-50 yr Education > 12 yr vs ≤ 12 yr Income \$35-75 k/yr vs <\$35 k/yr >\$75 k/yr vs <\$35 k/yr >\$75 k/yr vs <\$35 k/yr Travel time for care 15-29 min vs < 15 min 30+ min < 15 min Rural Health insurance and presence of chronic illness: Private/Yes vs Private/No Public/No vs Private/No None/Yes vs Private/No<

Study	Population	Outcome	Variable	Significance and/or direction
			Comment	S
Dey (2008) [15] Cross-sectional	n = 333 Women 40+ years old who had a screening mammogram at a breast screening site in Northern Sydney,	Access of Internet CHI (timeframe not clearly specified)	Age Marital status Education Rating of computer skills Behavioural intention Health status	NS NS p < 0.001 p < 0.001 p < 0.001 NS
	Australia	Chi-square testing Behavioural inter breast CA	g ntion refers to a plan to access th	e Internet for CHI if diagnosed with
		Access of Internet CHI (timeframe not clearly specified)	Age 65+ yr vs. <65 yr Marital status married vs. single Education higher vs. school Computer skills average vs. exc./good not good/poor vs. exc./good Behavioral intention yes vs. no Health status fair/poor vs. excellent/good	NS NS NS p < 0.001 (average less likely) p < 0.001 (not good/poor less likely) p < 0.001 (yes more likely) NS
		Logistic regression Behavioural inter breast CA	on analysis ntion refers to a plan to access the	e Internet for CHI if diagnosed with

Study	Population	Outcome	Variable	Significance and/or direction
			Comments	S
Dutta- Bergman (2004) [16] Survey	n = 2636 Respondents from the (random, nationally representative) 1999 Porter Novelli HealthStyles Survey Data who were identified as Internet users	Search for Internet CHI (timeframe not clearly specified)	Health consciousness Health information orientation Health beliefs Health activities	NS p < 0.001 p < 0.001 p < 0.001
		Independent sample t-tests Health consciousness based on five items (e.g., "I do everything I can to stay healthy".) Health information orientation based on eight items (e.g., "It's important to me to be informed about health issues.") Health beliefs based on perceived importance of eight items (e.g., "exercising regularly") Health activities based on eight items currently performed (e.g., "eating a diet that is low in fat")		
Goldner (2004) [17] Survey	n = 418 Two samples: 97 undergrad students at	Search for CHI (timeframe not clearly specified)	Gender Education	p < 0.01 (larger proportion of women than men) p < 0.01 (larger proportion of college- degreed than not college degreed)
	college and 321 adults in peds and holistic clinic waiting rooms and two shopping malls all of whom were Internet users		Employment	p < 0.05 (larger proportion of employed than not employed)

Study	Population	Outcome	Variable	Significance and/or direction		
			Comments	5		
		Chi-square testing Author investigated variables of age, race/ethnicity, marital status, no. of children, a of children, family income, religion, health status, and medical conditions of self an family but did not specifically report results of these related to CHI seeking. Staten like "non-Hispanic whites more likely" and "less affluent more likely" were made t backed up by p-values.				
	n = 377	Search for CHI (timeframe not clearly specified)	Gender Age Education Employment Race/ethnicity Marital status No. of children Family income Religion Health status Medical conditions (self) Medical conditions (family)	p < 0.05 (women more likely) NS NS NS NS NS NS NS NS NS NS NS NS NS		
		Logistic regression analysis Except for gender and income, the other results here are assumed from statements that the variable was investigated and significant results were reported.				

Study	Population	Outcome	Variable	Significance and/or direction
		Comments		
Lorence	n = 1494	CHI seeking	Gender	p < 0.0001
(2006) [7]		(sought CHI at	Age	p < 0.0001
	Respondents from the	any time)	Education level	NS
Survey	2002 Tracking Survey		Race/ethnicity	p < 0.05
	Data of the Pew		Marital status	p < 0.0001
	Internet and American		Income level	NS
	Life Project who were		Internet connection	NS
	defined as Internet		Internet experience	p < 0.0001
	users		Internet frequency	p < 0.05
			Health status	NS
			Health service utilization w/in	p < 0.0001
			1 year	
			Health conditions (self)	p < 0.0001
			Health conditions	NS
			(dependents)	
		Chi-square testing	g	

Study	Population	Outcome	Variable	Significance and/or direction
			Comments	8
		CHI seeking (sought CHI at any time)	Gender male vs. female Age 18-29 yr vs. \geq 50 yr 30-49 yr vs. \geq 50 yr Internet experience \leq 1 yr vs. $>$ 3 yr 2-3 yr vs. $>$ 3 yr Frequency of Internet access daily vs. monthly weekly vs. monthly Health conditions (self) yes vs. no	<0.0001 (male less likely) p = 0.048 (younger less likely) NS $p = .0.0047 (\le 1 \text{ yr less likely})$ NS p = 0.0016 (daily more likely) p = 0.0279 (weekly more likely) p = 0.0054 (yes more likely)
		Logistic regression	on analysis	
Lorence (2006) [8] Survey	n = 1316 (2000) n = 1172 (2002) Respondents from the 2000 and 2002 Tracking Survey Data of the Pew Internet and American Life Project who were defined as Internet users.	CHI seeking (sought CHI at any time)	Race African-American vs White (2000) African-American vs White (2002) Hispanic vs White (2000) Hispanic vs White (2002)	NS NS p < 0.05 (Hispanic less likely) p < 0.05 (Hispanic less likely)
		Logistic regression	on analysis	

Study	Population	Outcome	Variable	Significance and/or direction
			Comment	s
Lorence (2008) [6] Survey	n = 1316 (2000) n = 1172 (2002) Respondents from the	CHI seeking (sought CHI at any time)	Income high vs low (2000) high vs low (2002)	p < 0.05 (high more likely) p < 0.05 (high more likely)
	2000 and 2002 Tracking Survey Data of the Pew Internet and American Life Project who were identified as Internet users.	Logistic regressio	on analysis	
Lorence	n = 1216	CHI seeking	Gender	p < 0.0001 (male less likely)
(2006) [5] Survey	Respondents from the 2002 Tracking Survey Data of the Pew Internet and American	(sought CHI at any time)	Age 18-29 yr vs \geq 50 yr 30-49 yr vs \geq 50 yr Internet experience \leq 1 yr vs $>$ 3 yr 2.2 yr vs \geq 2 yr	p = 0.0408 (18-29 yr less likely) NS $p = 0.0047 (\le 1 \text{ yr. less likely})$
	Life Project who reported an income and were identified as Internet users	Logistic regression	2-3 yr vs > 3 yr Internet frequency daily vs monthly weekly vs monthly Health condition (self) yes vs no Level of income low vs high medium vs high on analysis	NS p = 0.0016 (daily more likely) p = 0.0279 (weekly. more likely) p = 0.0054 (yes more likely) NS NS
		Health condition	refers to the presence of a disabi	lity, handicap, or chronic disease

Study	Population	Outcome	Variable	Significance and/or direction
		Comments		
Pena-Purcell (2008) [18]	n = 955	Looked for Internet CHI in	Gender	NS
Survey	Subset of adult (>18 yr) Hispanic and non- Hispanic white respondents who sought CHI in the past year) from the nationally representative Impact of the Internet and Advertising on Patients and Physicians, 2000-2001 survey.	past year	Age Household income	 p < 0.001 (t-test) Hispanics seeking CHI younger than non-Hispanic whites seeking CHI p < 0.05 (Chi-square) "greater proportion of Hispanics were low-income wage earners than non- Hispanic whites" and "higher proportion of non-Hispanic whites were high-income wage earners than Hispanics"
			Education	NS (Chi-square)
		Chi-square test fo Compared Hispar	br gender, income, and education nics vs non-Hispanic whites.	; t-test for age.

Study	Population	Outcome	Variable	Significance and/or direction
		Comments		
Ybarra (2006)	n = 1459	Access of	Demographic:	
[19]	Respondents from	Internet CHI in	gender	p < 0.001
	Surveying the Digital	the previous	age	p < 0.001
Survey	Future (2004) (USC	year	race	p < 0.001
	Annenberg School for		Hispanic	p < 0.05
	the Digital Future), a		income	p < 0.001
	national, longitudinal		education	p < 0.001
	telephone survey of			
	Americans, who were		Psychosocial:	
	current Internet users.		social support	p < 0.001
			unhappiness	p < 0.001
			loneliness	p < 0.001
			Internet usage:	
			perception of utility	p < 0.001
			intensity of use	NS
			location of use	p < 0.001
			duration of use	p < 0.001
			expertise	p < 0.001
		Chi-square testin	g	

Study	Population	Outcome	Variable	Significance and/or direction
		Comments		
		Access of Internet CHI in the previous	Gender female vs. male	p < 0.001 (female more likely)
		year	Age 20-39 yr vs 12-19 yr 40-59 yr vs 12-19 yr 60-97 yr vs 12-19 yr Race Black vs. White Other vs. White	p < 0.001 (20-39 yr more likely) p < 0.001 (40-59 yr more likely) p < 0.001 (60-97 yr more likely) p = 0.001 (Black less likely)
			Education (12 possible levels) Internet expertise fair vs. poor good vs. poor excellent vs. poor	p < 0.001 (higher levels more likely) NS p < 0.001 (good more likely) p < 0.001 (excellent more likely)
		Logistic regression	on analysis	

Study	Population	Outcome	Variable	Significance and/or direction
		Comments		
Berger (2005) [11]	n = 2134	At least monthly use of	Diagnosis of a stigmatized illness (anxiety, depression,	NS
Survey	Respondents from a national research panel of adult (≥ 21 yr) Internet users who had one of 15 chronic illnesses and had searched for CHI on the Internet at least once in the past year (panel maintained by Knowledge Networks, Menlo Park CA) Analyses weighted to	the Internet for health information or advice	nerpes, or urinary incontinence)	
	match 2001 US population on age, sex, race/ethnicity,			
	education, region, and	Logistic regression		
	residence.	Covariates contro status, age, educa residence, emplo	olled for included: number of chro ation, race, Hispanic ethnicity, inc yment status, marriage status, dis	onic illnesses, self-reported health come, gender, veteran status, rural tance to medical care

Table 2: Summary of included studies on CHI seeking frequency

Study	Population	Outcome	Variable	Significance and/or direction
			Comments	5
Houston (2002) [20]	n = 521	Look for	Self-assessment of global health status	
Survey	National survey conducted in 2000 by Pew Internet & American Life Project of adult (age 18+ yr) Internet users who reported searching for	Internet CHI about once a week	good vs excellent fair/poor vs excellent trend (poor → excellent)	<pre>p < 0.05 (good more likely) NS p < 0.05 (lower health more frequent)</pre>
	health information.	Logistic regression demographic var	on analysis and chi-squared trend iables.	statistics. Health status adjusted for

Study	Population	Outcome	Variable	Significance and/or direction
		Comments		
Lorence (2006) [7] Survey	n = 987 Respondents from the 2002 Tracking Survey Data of the Pew Internet and American Life Project who were identified as Internet health information seekers	Frequency Chi-square testin Same data as two "Group disparitie [6] and Lorence a	gender age education level race/ethnicity marital status income level Internet connection Internet experience Internet frequency health status health service utilization w/in 1 yr health conditions (self) health conditions (dependents) g Lorence and Park articles (Lorences and health information: a study and Park (2006) "Measuring dissi	NS (n =980) NS (n = 951) p = 0.0012 (n = 975) NS (n = 947) p = 0.0410 (n = 976) NS (n = 838) NS (n = 877) p = 0.0278 (n = 963) p < 0.0001 (n = 951) NS (n = 977) p = 0.0410 (n = 973) NS (n = 975) p = 0.0100 (n = 977) multiple for the underserved for the

Study	Population	Outcome	Variable	Significance and/or direction
		Comments		
Lueg (2003) [21] Survey	n = 222 Respondents from the Pew Internet and American life Project 2000 survey who were identified as CHI seekers and ware	Frequency of CHI seeking	Gender Age Education Income Health status	NS NS NS p < 0.05 (Poor health more likely)
	looking for CHI for themselves.	Logistic regression	on analysis	

Study	Population	Outcome	Variable	Significance and/or direction
		Comments		
Millard (2002) [22]	n = 10,069 Randomly selected	Frequency of CHI seeking during the past year	Gender	p < 0.01 (larger proportion of women searched for Internet CHI 'often' or 'sometimes' vs men)
Survey	urvey sample of adults (age year 18+ yr) from a subset of the Harris Poll Online panel with chronic medical conditions		Health status	p < 0.01 (larger proportion of 'poor' search for Internet CHI 'often' compared to 'fair' or better)
			Satisfaction with healthcare services	p < 0.01 (larger proportion of 'somewhat or very dissatisfied' searched 'often' compared to 'somewhat or very satisfied')
			Satisfaction with health insurance	p < 0.01 (larger proportion of D or F sought Internet CHI more often compared to A or B)
			Difficulty accessing healthcare	<pre>p < 0.01 (larger proportion of 'very or extremely difficult' sought 'often' compared to 'not too difficult' or 'not at all difficult')</pre>
			Health coverage	p < 0.01 (larger proportion of those without health coverage sought Internet CHI 'often' compared to those with)
			Self-managed with lifestyle changes	p < 0.01 (larger proportion of those who did sought CHI 'often' compared to those who did not)
	Statistical test no	t specified, but likely chi-square t	testing.	
Study	Population	Outcome	Variable	Significance and/or direction
---	--------------------------	------------------	------------------------------------	--
		Comments		
Taubenheim	n = 707	Use of Internet	Demographics	
(1999) [23]		to search for	gender	NS
· /		health	age	NS
Survey	A self-selected sample	information	education level	NS
•	of adults (from 49	(number of	income level	NS
	states and 23	times in past 2	Self-rating of computer skills	NS
	countries) using the	mo divided into	Frequency of computer use at	p = 0.002
	Internet to search for	low, medium,	home	-
	health info on arthritis	and high)	Self-efficacy score	p = 0.002
	and musculoskeletal		Costs of obtaining info score	NS
	and skin diseases on		Reasons for using the Internet	NS
	one of 16 participating		score	
	websites		Purpose of the info found	p = 0.028
			Rating of format of	p = 0.001
			information on website	
			Rating of usefulness of	NS
			Internet information found	
			Rating of newness of Internet	NS
			information found	
	Chi-square testing			
Self-efficacy refers to ability to find health information on the			ation on the Internet.	
		Newness of Inter	net information found refers to ne	ewness to the seeker, not chronologic.

RESULTS (continued)

One goal of the capstone was to determine the variables that may be important in describing the Internet CHI seeker and in segmentation of this population. To this end, Table 3 lists variables that were studied in the included citations. The variables have been grouped into the categories that are classically associated with consumer segmentation (demographic, geographic, psychosocial, and behavioral) and other categories mentioned in the literature (and my introduction). The variables in normal font are ones that were found to be significantly related to either Internet CHI seeking or its frequency; those in italics were not found to be significantly associated, either because they were investigated in the included citations, but not significant (noted with NS), or found in literature other than the included citations.

Table 3: Study variables			
	Gender		
	Age		
	Race/ethnicity		
	Hispanic		
Domographia	Marital status		
Demographic	Education		
	Income		
	Employment		
	Number of children NS		
	Religion NS		
Geographic	Region Travel time for care		
	Health orientation		
	Health consciousness NS		
	Health information orientation		
	Health beliefs		
Psychographic	Health activities		
	Social support		
	Unhappiness		
	Loneliness		
	Perception of utility		

Behavioral*	Health service utilization Self-managed with lifestyle changes
Medical	Health status (self-assessment) Health conditions (self) Health conditions (dependents) Stigmatized illness Chronic illness/Health insurance Health coverage Satisfaction with healthcare services Satisfaction with health insurance Difficulty accessing healthcare services
Computer/Internet- related	Computer skills Internet expertise/self-efficacy Internet connection method NS Internet/computer location of use Internet experience (duration) Internet frequency Internet intensity NS Costs of obtaining information NS
Situational	Behavioral intention <i>Reasons for using Internet NS</i> Purpose of the information found
Site-dependent	Rating of CHI usefulness NS Rating of CHI newness NS Rating of CHI format

* Some variables that could be considered to be in this category (Internet frequency, Internet intensity, behavioral intention, and reasons for using the Internet) have been placed in other categories (computer/Internet-related and situational) For clarity, the pertinent results of the included citations are presented below for each variable and organized by general category (demographic, medical, etc.).

As previously mentioned, the results of the logistic regression analyses are the strongest evidence of an effect on CHI seeking or frequency due to its ability to clearly show both the direction and magnitude of its effect and because this type of analysis controls for other variables. Thus, in the tables for each variable below, the results are not only separated by outcome (CHI seeking vs. CHI seeking frequency), but also whether results were determined using logistic regression or other statistical tests. Some studies reported results on a specific variable from both logistic regression and univariate testing; in most of these cases, only the result from logistic regression analysis is shown (the exception being the variable of employment status).

Demographic factors

Variables that are typically classified as demographic factors were investigated by a majority of the included citations.

Gender

Twelve studies were found that presented results for gender. Most of these showed a significant statistical association with CHI seeking or with seeking frequency, and most used logistic regression analysis to investigate the direction and strength of the association. Seven of the eight logistic regression investigations showed that females are more likely than males to seek consumer health information on the Internet. The one study that showed males being more likely used a survey of South Australians; certainly cultural differences between countries may account for the obvious difference. Regarding CHI seeking frequency, a relatively small study using logistic regression showed no significant association between gender and seeking frequency, as did two studies using chi-square testing. Conversely, one large survey (not using logistic regression) indicated that females are more likely than males to seek CHI frequently.

Based on the entirety of the results, females are more likely than males to seek consumer health information on the Internet and may seek this information more frequently.

Gender			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression)			
female more likely***	4764	Baker (2003)[10]	
male more likely***	1380	Bessell (2002)[12]	
female more likely*	656	Brodie (2000)[13]	
female more likely**	8378	Bundorf (2006)[14]	
female more likely*	377	Goldner (2004)[17]	
female more likely****	1494 /1216	Lorence (2006)[7]/ Lorence	
		(2006)[5]	
female more likely***	1459	Ybarra (2006)[19]	
CHI seeking (other stat tests)			
NS	955	Pena-Purcell (2008)[18]	
CHI seeking frequency (log regression)			
NS	222	Lueg (2003)[21]	
CHI seeking frequency (other stat tests)			
NS	980	Lorence (2006)[7]	
female with larger proportion**	10,069	Millard (2002)[22]	
NS	707	Taubenheim (1999)[23]	
		· · ·	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$01 $ **** p ≤ 0.0001	

Eleven studies were found that presented results for age. Analysis of the results is complicated by the use of different age groups for comparison. Nonetheless, most of these studies showed a significant statistical association with CHI seeking within at least one age group comparison, but none showed a significant association with seeking frequency.

Eight of the studies on CHI seeking used logistic regression analysis to investigate the direction and strength of the possible association with age. Five logistic regression investigations showed that younger Internet users are more likely than older ones to seek consumer health information on the Internet. Among the three other studies using logistic regression, the two studies that did not show a significant association with age used smaller samples than the others and one study showed that their youngest group is less likely to seek Internet CHI than each of their older groups. Notably, the youngest age group in the latter study was 12-19 years old; thus, it covered younger respondents (including non-adult respondents) than the other studies, which may account for any apparent difference. The Pena-Purcell (2008) study uniquely compared Hispanic and non-Hispanic whites using chi-square testing and found that, as a group, Hispanics seeking Internet CHI were younger than whites. The effect of age alone cannot be discerned from this study.

Regarding CHI seeking frequency, none of the studies showed a significant association between age and seeking frequency.

Based on the entirety of the results, it appears that adults older than 55-65 years and younger than 20 years are less likely to seek CHI on the Internet than those in between.

Age

Those in the 35-50 years old age group may be the most likely of all. There is no evidence that age is significantly associated with CHI seeking frequency.

Age			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression)			
NS (35-49 yr vs 21-34 yr)	4764	Baker (2003)[10]	
NS (50-64 yr vs 21-34 yr)			
NS (65-74 yr vs 21-34 yr)			
21-34 yr more likely vs >75 yr*			
< 35 yr more likely vs 55+ yr***	1380	Bessell (2002)[12]	
35-54 vr more likely vs 55+ vr***			
NS (21-30 yr ys 41-50 yr)	8378	Bundorf (2006)[14]	
NS $(31-40 \text{ yr vs} 41-50 \text{ yr})$	0010	2010011 (2000)[11]	
NS $(51-64 \text{ yr ys} 41-50 \text{ yr})$			
41-50 yr more likely ys $65-74$ yr**			
A_{1-50} yr more likely vs 05 77 yr			
+1-50 yr more fikery vs 75+ yr			
NS $(65 \pm vr vs - 65 vr)$	415	Dev(2008)[15]	
(03+ y1 v3. < 05 y1)	415	DCy (2008)[15]	
NS	377	Goldner (2004)[17]	
113	511	Goldher (2004)[17]	
$18_{-}29$ yr more likely yr >50 yr*	1/10/ /1216	Lorence $(2006)[7]/L$ orence	
NS $(30.49 \text{ yr ys} > 50 \text{ yr})$	1474/1210	(2006)[7] Lorence $(2000)[7]$	
NS (50-49 yr vs. ≥50 yr)		(2000)[5]	
20.20 vr more likely ve 12.10 vr***	1450	$V_{harra}(2006)[10]$	
20-39 yr more likely vs 12-19 yr 40.50 yr more likely vs 12 10 yr ***	1437	1 baila (2000)[19]	
40-39 yr more likely vs 12-19 yr ****			
60-97 yr more likely vs 12-19 yr www			
CIII angling (other stat tests)			
CHI seeking (other stat tests)	055		
Hispanics younger vs whites***	955	Pena-Purcell (2008)[18]	
CHI seeking frequency (log regression)			
NS	222	Lueg (2003)[21]	
CHI seeking frequency (other stat tests)	051		
NS	951	Lorence (2006)[7]	
NS	707	Taubenheim (1999)[23]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	01 **** $p \le 0.0001$	

Race/ethnicity

Five studies were found that presented results for race/ethnicity. Analysis of the results is complicated by the use of different race/ethnicity groups for comparison (and possibly, different race/ethnicity definitions). Nonetheless, three of these studies showed a significant statistical association with CHI seeking within at least one race/ethnicity comparison. The one study reporting results for CHI seeking frequency did not indicate a significant association between race/ethnicity and seeking frequency. Four of the studies on CHI seeking used logistic regression analysis to investigate the direction and strength of the possible association with age.

The largest of the logistic regression investigations showed that, among Internet users, Blacks are more likely than Whites to seek consumer health information on the Internet. The two smallest studies using logistic regression analysis did not show a significant association of race/ethnicity with CHI seeking. One study using logistic regression looked at data from two years (2000 and 2002) and reported results for Blacks vs. Whites and for Hispanics vs. Whites. In this study, Hispanics were more likely than Whites to seek Internet CHI for both years, but there was no such statistical association between Blacks and Whites in the data of either year. Among the two studies using chisquare testing, both showed a significant association between race/ethnicity and CHI seeking, with one specifically looking at Hispanics vs. non-Hispanics.

As discussed for the age variable above, the Pena-Purcell (2008) study uniquely compared Hispanic and non-Hispanic whites using chi-square testing and found that, as a group, Hispanics seeking Internet CHI were younger than whites. The effect of

38

race/ethnicity alone cannot be discerned from this study, but this result is consistent with a race/ethnicity effect.

Based on the entirety of the results, it appears that race/ethnicity is a demographic variable significantly associated with CHI seeking on the Internet and that Blacks and Hispanics may be less likely to seek CHI on the Internet. There is no evidence that race/ethnicity is significantly associated with CHI seeking frequency.

Nace/etimietty			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression)			
NS (Black vs White)	656	Brodie (2000)[13]	
NS	377	Goldner (2004)[17]	
NS (African-American vs White)	1316	Lorence (2006)[8] (2000 data)	
Hispanic less likely vs. White*			
NS (African-American vs. White)	1172	Lorence (2006)[8] (2002 data)	
Hispanic less likely vs. White*		()(
Black less likely vs White***	1459	Ybarra (2006)[19]	
NS (Other vs White)	1157	10anu (2000)[17]	
The (other vs white)			
CHI seeking (other stat tests)			
Race/ethnicity*	1/0/	$I_{orence}(2006)$ [7]	
Hisponic***	1450	2000 [7]	
Thispanic ***	1439	1 balla (2000)[19]	
CIII analying fragmon on (log regression)			
CHI seeking irequency (log regression)			
CHI seeking frequency (other stat tests)	0.47		
NS	947	Lorence (2006)[7]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	with with with with with with with with	

-			
Race	'et h	nic	•itv
nacci	CUI	111	-IU Y

Marital status

Four studies were found that presented results for marital status. Analysis of the results is complicated by the use of different marital status groups for comparison. Three

of the studies on CHI seeking used logistic regression analysis to investigate the direction and strength of the possible association with marital status, yet none of these indicated a significant association with this variable. One study using chi-square testing found that a significant association exists between marital status and both CHI seeking and its frequency.

Based on the entirety of the results, it appears that marital status may be associated with CHI seeking on the Internet and with the frequency of CHI seeking.

Iviai itai status			
Outcome (statistical test) and result	Sample size	Source	
<pre>CHI seeking (logistic regression) NS (married vs never married) NS (sep'd/divorced/widowed vs never married)</pre>	1380	Bessell (2002)[12]	
NS (married vs single) NS (marital status)	415 377	Dey (2008)[15] Goldner (2004)[17]	
CHI seeking (other stat tests) marital status****	1494	Lorence (2006)[7]	
CHI seeking frequency (log regression)			
CHI seeking frequency (other stat tests) marital status*	975	Lorence (2006)[7]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$w^{****} p \le 0.0001$	

Marital status

Education

Eleven studies were found that presented results for education. Analysis of the results is complicated by the use of different education groups for comparison. Nonetheless, most of these studies showed a significant statistical association (within at least one group comparison) with either CHI seeking or seeking frequency. Seven of the studies on CHI seeking used logistic regression analysis to investigate the direction and strength of the possible association with education level. Four of these logistic regression investigations showed that more educated Internet users are more likely than less educated ones to seek consumer health information on the Internet. The three studies using logistic regression analysis that did not show a significant association with education used smaller samples than the others. One study using a survey of South Australians included respondents as young as 15 years old and showed that their most educated group, as well as those still in school, are more likely to seek Internet CHI than (what could be considered) one of their less educated group. Neither of the two studies using chi-square testing showed a significant association between education level and Internet CHI seeking, although one of them specifically looked at Hispanics vs. non-Hispanic whites.

Regarding CHI seeking frequency, the largest of the three studies showed a significant association between education level and seeking frequency, whereas two of the three (including the one that used logistic regression analysis) showed no such association.

Based on the entirety of the results, it appears that education level is a demographic variable that is significantly associated with CHI seeking on the Internet, and possibly with its frequency. Those Internet users with higher levels of education are more likely than those with only a high school education (or less) to seek Internet CHI.

41

Education			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression) 13-16 yr more likely vs < 12 yr*** ≥ 17 yr more likely vs < 12 yr***	4764	Baker (2003)[10]	
NS (<15 yr / trade vs >15+ yr) In school more likely vs >15+ yr** Degree/certificate more likely vs >15+ yr***	1380	Bessell (2002)[12]	
NS (> 12 yr vs \leq 12 yr) > 12 yr more likely vs \leq 12 yr** NS (higher vs. school) NS Higher levels more likely***	656 8378 415 377 1459	Brodie (2000)[13] Bundorf (2006)[14] Dey (2008)[15] Goldner (2004)[17] Ybarra (2006)[19]	
CHI seeking (other stat tests) NS NS	1494 955	Lorence (2006)[7] Pena-Purcell (2008)[18]	
CHI seeking frequency (log regression) NS	222	Lueg (2003)[21]	
CHI seeking frequency (other stat tests) Education level** NS	975 707	Lorence (2006)[7] Taubenheim (1999)[23]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$**** p \le 0.0001$	

NB The number of years refers to school years, except for the Bessell study in which the years refer to the age of the survey respondent.

Income

Twelve studies were found that presented results for income. Analysis of the results is complicated by the use of different income level groups for comparison. Nonetheless, most of these studies did not show a significant statistical association (within at least one group comparison) with either CHI seeking or seeking frequency. Seven of the studies on CHI seeking used logistic regression analysis to investigate the direction and strength of the possible association with income level. Five of these logistic regression investigations, including the two largest studies, did not show a significant association between income level and Internet CHI seeking; two of these logistic regression investigations did show a significant association. The two with significant associations both indicated that their highest income group was more likely to seek Internet CHI compared to the lower income group. Of note, one of the studies indicating a significant association; this discrepancy could not be easily explained based on the data presented. Two of three studies reporting only chi-square testing showed a significant association between income level and Internet CHI seeking, although one of them specifically looked at Hispanics vs. non-Hispanic whites.

Regarding CHI seeking frequency, none of the three studies showed a significant association between income level and seeking frequency.

Based on the entirety of the results, it appears that income level is a demographic variable that may be significantly associated with CHI seeking on the Internet, although the results are inconsistent. The studies that do show a statistically-significant association (and in which direction is clear) indicate that higher income earners are more likely than lower income earners to seek Internet CHI. There does not appear to be a significant association of income level with the frequency of Internet CHI seeking.

Income			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression) NS (\$25k - \$49,999 vs < \$25k) NS (\$50k - \$74,999 vs < \$25k) NS (>\$75k vs < \$25k)	4764	Baker (2003)[10]	
\$40k+ vs < \$40k***	1380	Bessell (2002)[12]	
NS ($<$ \$30k vs \ge \$50k) NS (\$30k - \$49,999 vs \ge \$50k)	656	Brodie (2000)[13]	
NS (\$35-75 k/yr vs < \$35 k/yr) NS (>\$75 k/yr vs \$35 k/yr)	8378	Bundorf (2006)[14]	
NS (family income)	377	Goldner (2004)[17]	
high income more likely vs low* high income more likely vs low*	1316 1172	Lorence (2008)[6] (2000 data) Lorence (2008)[6] (2002 data)	
NS (low vs high) NS (medium vs high)	1216	Lorence (2006)[5] (2002 data)	
CHI seeking (other stat tests) NS Hispanics lower earners vs whites* Income***	1494 955 1459	Lorence (2006)[7] (2002 data) Pena-Purcell (2008)[18] Ybarra (2006)[19]	
CHI seeking frequency (log regression) NS	222	Lueg (2003)[21]	
CHI seeking frequency (other stat tests) NS NS	838 707	Lorence (2006)[7] (2002 data) Taubenheim (1999)[23]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	001 **** $p \le 0.0001$	

Employment status

Two studies were found that specifically presented results for employment status. Neither logistic regression analysis indicated a significant association even though one of these studies did initially find an association based on chi-square testing. No studies were found that investigated the possible association between employment status and

CHI seeking frequency.

Employment status has not been well studied. Based on two studies, employment status may be associated with CHI seeking on the Internet, although its effect may be negated when controlling for other variables.

Employment			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression)			
NS (employed vs not employed)	1380	Bessell (2002)[12]	
NS (employment)	377	Goldner (2004)[17]	
CHI seeking (other stat tests)			
larger proportion of employed than not	418	Goldner (2004)[17]	
employed*			
CHI seeking frequency (log regression)			
CIII acaling fragmen en (athen stat tests)			
Chi seeking frequency (other stat tests)			
* $n < 0.05$ ** $n < 0.01$	*** n < 0.0	n = 1 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 +	
P = 0.05 $P = 0.01$	P <u>-</u> 0.0	P = 0.0001	

Other demographic variables

One study was found that presented results for the variables of religion and number of children. Its logistic regression analysis did not indicate a significant association between CHI seeking and either variable, and the study did not investigate CHI seeking frequency.

Other demographic factors have not been well studied. Based on one study, neither religion nor the number of children appears to be associated with CHI seeking on the Internet.

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
NS (Religion)	377	Goldner (2004)[17]
NS (Number of children)		
CHI seeking (other stat tests)		
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests)		
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$101 \qquad **** p \le 0.0001$

Other demographics

Geographic factors

Variables that are can be classified as geographic factors were found to be rarely investigated. Two such variables related to residence were found in the included citations: region of residence and travel time for care. The results are shown below. Based on these results, residence does not appear to be associated with CHI seeking on the Internet, neither with respect to the region type nor travel time for care.

Kesidence. Tegion type			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression)			
NS (MSA vs not MSA)	4764	Baker (2003)[10]	
NS (non-metro vs metropolitan area)	1380	Bessell (2002)[12]	
NS (rural vs urban)	8378	Bundorf (2006)[14]	
CHI seeking (other stat tests)CHI seeking frequency (log regression)CHI seeking frequency (other stat tests)			

Residence: region type

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
NS (15-29 min vs < 15 min)	8378	Bundorf (2006)[14]
NS (30+ min < 15 min)		
CHI seeking (other stat tests)		
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests)		

Residence: travel time for care

Psychographic factors

Variables that are classified as psychographic factors were uncommonly investigated. Psychographic factors are the individual characteristics that describe one's values, attitudes, interests, and activities. One study looked at four such variables that I collectively call "health orientation". Another study looked at three variables that I collectively call "psychosocial condition", as well as a rating of the seekers' perception of Internet CHI utility. The results are shown below. Health orientation, specifically one's health information orientation, health beliefs, and health activities (but not health consciousness), appears to be associated with the seeking of Internet CHI. Likewise, psychosocial condition (specifically one's social support, unhappiness, and loneliness) and the perception of CHI utility may be associated with the seeking of Internet CHI.

Based on these results, variables related to health orientation, psychosocial condition, and perception of CHI utility may be associated with CHI seeking on the Internet.

Health orientation			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression)			
CHI seeking (other stat tests)			
NS (health consciousness)	2636	Dutta-Bergman (2004)[16]	
Health information orientation***			
Health beliefs***			
Health activities***			
CHI seeking frequency (log regression)			
CHI seeking frequency (other stat tests)			
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$**** p \le 0.0001$	

Psychosocial condition

i sychosocial condition			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression) CHI seeking (other stat tests) Social support*** Unhappiness*** Loneliness***	1459	Ybarra (2006)[19]	
CHI seeking frequency (log regression)			
CHI seeking frequency (other stat tests)			
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	001 **** $p \le 0.0001$	

Perception of CHI utility

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests) Perception of utility***	1459	Ybarra (2006)[19]
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests)		
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	001 **** $p \le 0.0001$

Behavioral factors

Health service utilization

One study investigated the possible association of the Internet CHI seeking and the frequency of CHI seeking with one's utilization of health services. Using chi-square testing, it found a significant association with both. Based on this study, health service utilization may be associated with the seeking of Internet CHI and its frequency

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests) health service utilization w/in 1 year***CHI seeking frequency (log regression)	1494	Lorence (2006)[7]
CHI seeking frequency (other stat tests) health service utilization w/in 1 year*	973	Lorence (2006)[7]
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	01 **** $p \le 0.0001$

Health service utilization

Self-managed with lifestyle changes

One study investigated the possible association of the frequency of CHI seeking with whether or not one uses lifestyle changes to self-manage their health condition. It found a significant association. Based on this study, whether one self-manages with lifestyle changes may be associated with the frequency of seeking Internet CHI.

		8
Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests)		
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests)		
More of those who self-managed with	10,069	Millard (2002)[22]
lifestyle changes sought CHI often vs		
those who did not**		
* $p \le 0.05$ ** $p \le 0.01$	*** p ≤ 0.0	001 **** p ≤ 0.0001

Self-managed with lifestyle changes

Medical factors

Health status

Seven studies were found that presented results for self-assessed health status. Most of these studies showed a significant statistical association with either CHI seeking or seeking frequency.

Three of the studies on CHI seeking used logistic regression analysis to investigate the direction and strength of the possible association with health status. The largest of these showed that those in poor or fair health (but not those in good health) were more likely than those in very good or excellent health. The other two smaller studies, each with smaller samples by an order of magnitude, did not show a statistically-significant association. The single study reporting only chi-square testing showed a significant association between income level and Internet CHI seeking.

Regarding CHI seeking frequency, two studies used logistic regression analysis and both showed a significant association between health status and seeking frequency. One study showed that those in good health (but not in poor or fair health) were more likely than those in excellent health to seek Internet CHI frequently. The other study showed that those in poor health were more likely to seek CHI frequently (but the comparison group was not clearly identified). Three studies used chi-square testing for an association between health status and frequency. Two studies showed a significant association, while one did not. Of note, the one with the largest sample size used chisquare trend analysis to show that those in poor health searched for Internet CHI often compared to those in better health.

Based on the entirety of the results, it appears that health status is significantly associated with both CHI seeking on the Internet and the frequency of seeking. Although there is some inconsistency among the results, the studies demonstrate a tendency for those in poorer health to search for Internet CHI absolutely and with greater frequency compared to those in better health.

Health status			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression) NS (good vs excellent/v. good) fair/poor more likely vs exc./v good ***	4764	Baker (2003)[10]	
NS (fair/poor vs. excellent/good) NS	415 377	Dey (2008)[15] Goldner (2004)[17]	
CHI seeking (other stat tests) NS	1494	Lorence (2006)[7]	
CHI seeking frequency (log regression) good more likely vs excellent* NS (fair/poor vs excellent)	521	Houston (2002)[20]	
poor health more likely	222	Lueg (2003)[21]	
CHI seeking frequency (other stat tests) trend (poor → excellent)*	521	Houston (2002)[20]	
NS	977	Lorence (2006)[7]	
more of those in 'poor' health search 'often' compared to those in 'fair' or better health**	10,069	Millard (2002)[22]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	01 **** $p \le 0.0001$	

Health conditions (self)

Three studies were found that presented results for health conditions (self). All three on CHI seeking used logistic regression analysis, although two of them used the same survey and are considered together. These both indicated that Internet users with a health condition (chronic illness or disability) were more likely than those without to seek CHI. The other study was smaller and did not show a significant association. Regarding CHI seeking frequency, only one study investigated a possible association with health conditions (self) but did not reveal a significant association. Based on these results, it appears that having a health condition may be associated with the seeking of Internet CHI but not its frequency. It appears that those with a health condition may be more likely to seek CHI compared to those without.

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
NS	377	Goldner (2004)[17]
health conditions (self) more likely vs	1494 /1216	Lorence (2006)[7]/ Lorence
no**		(2006)[5]
CHI seeking (other stat tests)		
CHI seeking frequency (log regression)		
CHI socking frequency (other stat tests)		
NS	975	Lorence (2006)[7]
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	01 **** $p \le 0.0001$

Health conditions (self)

Health conditions (dependent)

Three studies were found that presented results for health conditions (dependent). Neither study on CHI seeking showed a significant association with this variable. The one study investigating this variable and CHI seeking frequency showed a significant association using chi-square testing. Based on these results, having a family member with a health condition may be associated with the frequency of Internet CHI seeking, but not whether or not it is done.

nearch conditions (dependents)			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression) NS	377	Goldner (2004)[17]	
CHI seeking (other stat tests) NS	1494	Lorence (2006)[7]	
CHI seeking frequency (log regression)			
CHI seeking frequency (other stat tests) health condition (dependents)**	977	Lorence (2006)[7]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	01 **** $p \le 0.0001$	

Health conditions (dependents)

Stigmatized illness

One study investigated the possible association of CHI seeking and seeking frequency with having a stigmatized illness. Using logistic regression, it found a significant association with the seeking of Internet CHI, but not its frequency. Based on this study, the diagnosis of a stigmatized illness is probably associated with seeking CHI on the Internet, but not the frequency of seeking - at least in relation to other chronic, but non-stigmatized illnesses. It appears that those with a stigmatized illness (anxiety, depression, herpes, or urinary incontinence) are more likely seek CHI compared to those a non-stigmatized illness.

Stigmatized illness			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression) Those with a stigmatized illness more likely vs those with a chronic non- stigmatized illness **	6246	Berger (2005)[11]	
CHI seeking (other stat tests)			
CHI seeking frequency (log regression) NS (Diagnosis of a stigmatized illness)CHI seeking frequency (other stat tests)	2134	Berger (2005)[11]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$**** p \le 0.0001$	

a... .. 1 .11

Combined chronic illness and health insurance

One study investigated the possible association of CHI seeking with the various combinations of chronic illness and health insurance. Using logistic regression, it found a significant association with the seeking of Internet CHI. Based on this study, the combination of health insurance type and presence of a chronic illness may be associated with the seeking of Internet CHI. It appears that those having a chronic illness and any type of health insurance are more likely to seek CHI compared to those with private insurance and no chronic illness. Also, it appears that those having no health insurance, whether or not they have a chronic illness, are more likely to seek CHI compared to those with private insurance and no chronic illness.



Combined chronic illness and health insurance

Health coverage

One study investigated the possible association of the frequency of CHI seeking

with one's health coverage and found a significant association. Based on this study,

health coverage may be associated with the frequency of seeking of Internet CHI.

Health coverage			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression)			
CHI seeking (other stat tests) CHI seeking frequency (log regression)			
CHI seeking frequency (other stat tests) More of those without health coverage search often vs those with coverage**	10,069	Millard (2002)[22]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	01 **** $p \le 0.0001$	

Satisfaction with healthcare services and with health insurance

One study investigated the possible association of the frequency of CHI seeking with one's satisfaction with healthcare services and with health insurance. It found a significant association with both. Based on this study, both satisfaction with healthcare services and satisfaction with health insurance may be associated with the frequency of seeking Internet CHI.

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests) CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests) More of those who were dissatisfied sought CHI often vs those who were satisfied**	10,069	Millard (2002)[22]
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	01 **** $p \le 0.0001$

Satisfaction with healthcare services

Satisfaction with health insurance

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests)		
construction star tests)		
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests)		
More of those who were dissatisfied	10,069	Millard (2002)[22]
sought CHI often vs those who were		
satisfied**	<u> </u>	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$w_{100} = 0.0001$

Difficulty accessing healthcare services

One study investigated the possible association of the frequency of CHI seeking with one's difficulty accessing healthcare services and found a significant association. Based on this study, difficulty accessing healthcare services may be associated with the frequency of seeking Internet CHI.

e e	0	
Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests)CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests) More of those who found accessing health services difficult sought CHI often vs those who did not**	10,069	Millard (2002)[22]
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$001 $ **** p ≤ 0.0001

Difficulty accessing healthcare services

Computer and Internet related factors

Computer skills

Two studies were found that investigated results a possible association with (selfassessed) computer skills and CHI seeking or seeking frequency. One study used logistic regression and showed that those having computer skills that are good or excellent are more likely to seek Internet CHI compared to those having either average skills and to those having poor or not good skills. The second study used chi-square testing and showed no significant association between the seeking frequency and computer skills. Based on these studies, computer skills may be associated with seeking CHI on the Internet but not necessarily with the frequency of such seeking. Those with better than average skills appear to be more likely to search for Internet CHI compared to those with poor to average skills.

Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression)			
Computer skills average less likely vs.	415	Dey (2008)[15]	
exc./good***			
Computer skills not good/poor less			
likely vs. exc./good***			
CHI seeking (other stat tests)			
CHI seeking frequency (log regression)			
CHI gooking frequency (other stat tests)			
NS (computer skills)	707	Taubenheim (1999)[23]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	01 **** $p \le 0.0001$	

Computer skills

Internet skills

Two studies were found that investigated results a possible association with (selfassessed) Internet skills and CHI seeking or seeking frequency. One study used logistic regression and showed that those with good expertise and those with good expertise (but not those with fair expertise) were more likely to seek CHI than those with poor expertise. The second study used chi-square testing and showed that one's self-efficacy (of finding Internet CHI) was significantly associated with CHI seeking frequency.

Based on these studies, Internet skills may be associated with seeking CHI on the Internet and the frequency of seeking. Those with better than average skills appear to be more likely to search for Internet CHI compared to those with poor to average skills.

internet skins/expertise/sen-enreacy			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression)			
NS (expertise fair vs. poor)	1459	Ybarra (2006)[19]	
Expertise good more likely vs poor***			
Expertise excellent more likely vs.			
poor***			
CHI seeking (other stat tests)			
CHI seeking frequency (log regression)			
CHI seeking frequency (other stat tests)			
Self-efficacy score**	707	Taubenheim (1999)[23]	
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$**** p \le 0.0001$	

Internet skills/expertise/self-efficacy

Internet connection – method and location

Three studies were found that presented results for either Internet connection method or Internet use location. One study looked at the possible associations of connection method with CHI seeking and seeking frequency. It used chi-square testing and found no significant associations. Another study used chi-square testing and found that mostly home use was significantly associated with CHI seeking. The third study found that frequency of use at home was significantly associated with the frequency of CHI seeking.

Based on these three studies, Internet location use, but not connection method, may be associated with seeking CHI on the Internet and the frequency of seeking.

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests)		
NS (Internet connection method)	1494	Lorence (2006)[7]
Location of use mostly home***	1459	Ybarra (2006)[19]
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests)		
NS (Internet connection method)	877	Lorence (2006)[7]
Frequency of computer use at home**	707	Taubenheim (1999)[23]
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	$**** p \le 0.0001$

Internet connection – method and location

Internet experience (duration)

Three studies were found that presented results for Internet experience (where experience is equated with duration of Internet use). Two of the CHI seeking studies used the same survey and are considered together. These both used logistic regression analysis and showed that those users with greater than three years Internet experience were more likely to seek CHI compared to those with one year or less, but not compared to those with two to three years. Another study used chi-square testing and found duration of use was significantly associated with CHI seeking. Regarding CHI seeking frequency, only one study investigated a possible association with Internet experience and it revealed a significant association.

Based on these results, Internet experience (i.e., duration of use) appears to be associated with seeking CHI on the Internet and the frequency of seeking. Those users that have less than one year of Internet experience are less likely to seek Internet CHI compared to those with more than 3 years experience.

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
Internet experience ≤ 1 yr less likely vs.	1494 /1216	Lorence (2006)[7] /Lorence
>3 yr		(2006)[5]
NS (experience 2-3 yr vs. >3 yr)		
CHI seeking (other stat tests) duration of use***	1459	Ybarra (2006)[19]
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests)		
Internet experience*	963	Lorence (2006)[7]
* <0.05	*** < 0.0	0.1 <u>****</u> < 0.0001
* $p \le 0.05$ ** $p \le 0.01$	*** p ≤ 0.0	$p_{01} \qquad p \le 0.0001$

Internet	experience ((duration)
muunu	caperience ((uuranon)

Internet frequency and intensity

Three studies investigated the outcomes of interest with respect to the variables of Internet frequency (of access) and Internet intensity (of daily use). Two of the CHI seeking studies used the same survey and are considered together. These both used logistic regression analysis and showed that users who accessed the Internet either daily or weekly were significantly more likely to seek CHI compared to users who accessed the Internet monthly. One study looked at Internet intensity (measured as daily hours of Internet use) and, using chi-square analysis, found no significant association with CHI seeking. Regarding CHI seeking frequency, one study found a significant association with Internet use frequency. Based on the three studies, the frequency of Internet use - measured as daily, weekly, or monthly access - appears to be associated with seeking CHI on the Internet and the frequency of seeking. Those users that access the Internet more often are more likely to seek Internet CHI compared to those that access it less often. The intensity of Internet use – measured as daily hours of use - does not appear to be significantly associated with CHI seeking.

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
Frequency of Internet access daily	1494 /1216	Lorence (2006)[7] /Lorence
more likely vs. monthly**		(2006)[5]
Frequency of Internet access weekly		
more likely vs. monthly*		
CHI seeking (other stat tests)		
NS (intensity of use as daily hours)	1459	Ybarra (2006)[19]
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests)		
Internet frequency****	951	Lorence (2006)[7]
* $p \le 0.05$ ** $p \le 0.01$	*** $p \le 0.0$	with with with with with with with with

Internet frequency and intensity

Costs of obtaining information

One study looked at a score based on a user's perceived costs of obtaining Internet CHI and found no significant association with CHI seeking frequency. Based on one study, the perceived cost of obtaining Internet CHI does not appear to be associated with the frequency of CHI seeking.

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests)		
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests) NS (costs of obtaining info score)	707	Taubenheim (1999)[23]

Costs of obtaining information

Situational factors

Few studies were found that investigated situational factors as variables related to absolute CHI seeking and the frequency of CHI seeking.

Behavioral intention

One study investigated the possible association of CHI seeking with what the study's authors termed behavioral intention. Behavioral intention in this study was a plan to access the Internet for CHI if diagnosed with breast cancer after receiving a screening mammogram. Using logistic regression analysis, this study found that those with behavioral intention were more likely to seek CHI than those without.

Based on this study, behavioral intention may be associated with CHI seeking; however, this variable (as defined in the study) may be too specific and hypothetical to be generally useful.

Denuvioral intention			
Outcome (statistical test) and result	Sample size	Source	
CHI seeking (logistic regression) Behavioral intention yes more likely to seek CHI***	415	Dey (2008)[15]	
CHI seeking (other stat tests)			
CHI seeking frequency (log regression)			
CHI seeking frequency (other stat tests)			

Behavioral intention

Reasons for using Internet and Purpose of information found

One study investigated the possible association between the frequency of CHI seeking and both the reasons for using the Internet and the purpose of information found. It used chi-square testing and found a significant association with the purpose of information, but not with their reasons for using the Internet score. Based on this study, the purpose of the information found may be associated with the frequency of CHI seeking, but a score for reasons for using the Internet does not appear to be associated with the frequency of CHI seeking.

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests) CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests) NS (reasons for using the Internet score)	707	Taubenheim (1999)[23]

Purpose of the information found

Outcome (statistical test) and result	Sample size	Source
CHI seeking (logistic regression)		
CHI seeking (other stat tests)		
CHI seeking frequency (log regression)		
CHI seeking frequency (other stat tests) Purpose of the information found*	707	Taubenheim (1999)[23]
DISCUSSION

I will first discuss the results of individual variables by general category (demographic, medical, etc.), followed by the other implications, limitations, and future work indicated by my literature review. The discussion of the results of individual variables by general category is, to a large extent, a repetition of results from the previous section.

Demographic factors

Females are more likely than males to seek consumer health information on the Internet and may seek this information more frequently.

It appears that adults older than 55-65 years and younger than 20 years are less likely to seek CHI on the Internet than those in between. Those in the 35-50 years old age group may be the most likely of all. There is no evidence that age is significantly associated with CHI seeking frequency.

It appears that race/ethnicity is a demographic variable significantly associated with CHI seeking on the Internet and that Blacks and Hispanics may be less likely to seek CHI on the Internet. There is no evidence that race/ethnicity is significantly associated with CHI seeking frequency.

It appears that marital status may be associated with CHI seeking on the Internet and with the frequency of CHI seeking.

It appears that education level is a demographic variable that is significantly associated with CHI seeking on the Internet, and possibly with its frequency. Those Internet users with higher levels of education are more likely than those with only a high school education (or less) to seek Internet CHI.

It appears that income level is a demographic variable that may be significantly associated with CHI seeking on the Internet, although the results are inconsistent. The studies that do show a statistically-significant association (and in which direction is clear) indicate that higher income earners are more likely than lower income earners to seek Internet CHI. There does not appear to be a significant association of income level with the frequency of Internet CHI seeking.

Employment status has not been well studied. Based on two studies, employment status may be associated with CHI seeking on the Internet, although its effect may be negated when controlling for other variables.

Other demographic factors have not been well studied. Based on one study, neither religion nor the number of children appears to be associated with CHI seeking on the Internet.

Among demographic variables, gender, age, race/ethnicity, education, and income are variables that are the most important to use in segmentation of consumers seeking Internet health information. The results for gender may be related to differences among males and females in their involvement in healthcare and their care-taking roles. Regarding age, the decline of Internet health seeking in the oldest age groups may be related to differences in comfort and experience with digital technology, whereas the decline in the youngest age groups may be related to differences in interest and/or need for health information. Race/ethnicity, education, and income are oft-cited factors in the "digital divide" and the overall results for these variables found here support a concern that a divide in access correlates with a divide in health information seeking. Among the other demographic variables studied, marital status and employment status may be useful segmentation variables, whereas religion and number of children do not appear to be useful segmentation variables.

Geographic factors

Variables that are can be classified as geographic factors were found to be rarely investigated. Two such variables related to residence were found in the included citations: region of residence and travel time for care. Based on these results, residence does not appear to be associated with CHI seeking on the Internet, neither with respect to the region type nor travel time for care.

Among geographic variables, the region of residence and travel time for care do not appear to be variables that are important to use in segmentation of consumers seeking Internet health information. These variables are seemingly related to both access of medical care and access of the Internet, and perhaps there is a canceling effect with respect to seeking Internet health information.

Psychographic factors

Psychographic factors were uncommonly investigated. Variables related to health orientation, psychosocial condition, and perception of CHI utility may be associated with CHI seeking on the Internet.

Psychographic factors are the individual characteristics that describe one's values, attitudes, interests, and activities. Arguably, these factors may be some of the most

critical ones influencing the desire and use of consumer products, including Internet health information, and thus their value as segmentation variables. Although the studies found in this review do provide evidence that psychographic factors (namely health orientation, psychosocial condition, and perception of CHI utility) may include useful segmentation variables, the paucity of psychographic investigations is obvious.

Behavioral factors

As previously noted, some factors that could be reasonably categorized as behavioral factors, such as Internet use frequency and behavioral intention, were placed under other categories. Nevertheless, behavioral factors were uncommonly studied. Based on one study, health service utilization may be associated with the seeking of Internet CHI and its frequency. Based on another single study, whether one self-manages with lifestyle changes may be associated with the frequency of seeking Internet CHI. These variables may be related to the perceived value and need for Internet health information.

Medical factors

Health status appears to be significantly associated with both CHI seeking on the Internet and the frequency of seeking. Although there is some inconsistency among the results, the studies demonstrate a tendency for those in poorer health to search for Internet CHI absolutely and with greater frequency compared to those in better health. It appears that having a health condition may be associated with the seeking of Internet CHI but not its frequency. It appears that those with a health condition may be more likely to seek CHI compared to those without.

Having a family member with a health condition may be associated with the frequency of Internet CHI seeking, but not whether or not it is done.

Based on one study, the diagnosis of a stigmatized illness is probably associated with seeking CHI on the Internet, but not the frequency of seeking - at least in relation to other chronic, but non-stigmatized illnesses. It appears that those with a stigmatized illness (anxiety, depression, herpes, or urinary incontinence) are more likely seek CHI compared to those a non-stigmatized illness.

Based on one study, the combination of health insurance type and presence of a chronic illness may be associated with the seeking of Internet CHI. It appears that those having a chronic illness and any type of health insurance are more likely to seek CHI compared to those with private insurance and no chronic illness. Also, it appears that those having no health insurance, whether or not they have a chronic illness, are more likely to seek CHI compared to those with private insurance and no chronic illness.

Based on one study, health coverage may be associated with the frequency of seeking of Internet CHI. Based on the same study, both satisfaction with healthcare services and satisfaction with health insurance may be associated with the frequency of seeking Internet CHI. Also, based on this study, difficulty accessing healthcare services may be associated with the frequency of seeking Internet CHI.

Among medical factors, health status and the presence of a health condition are the best-studied and most clearly important variables to use in the segmentation of

consumers seeking Internet health information. This makes sense since these variables presumably influence the perceived need for such information. For the same reason, the presence of a health condition in a family member or use of self-management as segmentation variables is reasonable, although the evidence for doing so is less strong. The diagnosis of a stigmatized illness may be an important segmentation variable, which could be related to the anonymity provided by the Internet. Other possibly valuable segmentation variables revealed here- health insurance coverage (or lack of), the utilization of health services, the satisfaction of healthcare services, the satisfaction with health insurance, and the difficulty accessing services – could be related to the perceived value and/or low cost of Internet health information as a supplement (or alternative) to direct medical care.

Computer and Internet related factors

Computer skills may be associated with seeking CHI on the Internet but not necessarily with the frequency of such seeking. Those with better than average skills appear to be more likely to search for Internet CHI compared to those with poor to average skills.

Internet skills may be associated with seeking CHI on the Internet and the frequency of seeking. Those with better than average skills appear to be more likely to search for Internet CHI compared to those with poor to average skills.

Internet location use, but not connection method, may be associated with seeking CHI on the Internet and the frequency of seeking.

Internet experience (i.e., duration of use) appears to be associated with seeking CHI on the Internet and the frequency of seeking. Those users that have less than one year of Internet experience are less likely to seek Internet CHI compared to those with more than 3 years experience.

The frequency of Internet use - measured as daily, weekly, or monthly access appears to be associated with seeking CHI on the Internet and the frequency of seeking. Those users that access the Internet more often are more likely to seek Internet CHI compared to those that access it less often. The intensity of Internet use – measured as daily hours of use - does not appear to be significantly associated with CHI seeking.

Based on one study, the perceived cost of obtaining Internet CHI does not appear to be associated with the frequency of CHI seeking.

Among computer- and Internet-related factors, computer skills and Internet skills and experience are the most important variables to use in the segmentation of consumers seeking Internet health information. It seems reasonable that consumers more comfortable and capable of using the digital technology would more likely use it for health information. Similarly, the frequency of Internet use may also be useful as a segmentation variable, although the evidence is less strong. On the other hand, location and intensity of use may relate more to purpose than comfort or efficacy, and their use as segmentation variables is not supported.

Situational factors

Based on one study, behavioral intention (in a screening situation) may be associated with CHI seeking. Based on another single study, the purpose of the

information found may be associated with the frequency of CHI seeking, but a score for reasons for using the Internet does not appear to be associated with the seeking frequency.

Situational factors are the characteristics that describe the relatively variable circumstances associated with seeking Internet health information. Although they seemingly would be important in determining whether or not a particular search is undertaken, it would be difficult to elucidate their effect when attempting to characterize CHI seeking in general, as was done here. The included citations were, in general, investigating relatively constant situations over multiple searches; thus, it is not surprising that this review did not uncover many situational factor variables that would be useful in the segmentation of consumers seeking Internet health information. In particular, there were no studies found that specifically looked at the urgency of the information need or the stage of a diagnosed disease. Despite this, there was some evidence indicating the importance of situational segmentation variables, specifically related to the intention of search in a screening situation and the purpose of searching. Although the studies found in this review do provide evidence that some situational factors may be associated with CHI seeking, there is a clear lack of investigations on such factors.

Site-dependent factors

Site-dependent factors were not a primary focus of this review although were included in the tables as evidence of their potential utility in the segmentation of CHI seeking. There was only one study found that presented site-dependent variables, and

appraisal is limited by the fact that these variables are a combination of seeker and site characteristics. Nevertheless, there is some evidence that the format (i.e., how the CHI is presented) may be a useful site-dependent segmentation variable. It was somewhat surprising that, in the same study, the perceived usefulness or newness of the health information was not associated with CHI seeking.

Use and limitations of this review

This is, to my knowledge, the first systematic review of the segmentation variables that characterize the online consumer health information seeker. As such, the information presented in this review gives a more complete profile of the seekers of consumer health information than the individual studies cited. Although this review was limited to the outcomes of absolute CHI seeking and its frequency, the combination of variables found here to be significant in previous studies could be used as a starting point for multivariate or segmentation analysis of the CHI seeker in future studies. If, for example, a consumer health information provider wanted to segment their users in order to effectively customize the presentation of health information, the significant demographic variables listed in Table 3 could be used as an initial set of demographics to collect and use in a cluster analysis of their data.

The goal of this review was to show what variables have been shown to be significantly associated with the seeking of Internet health information by consumers. As such, this review was limited not only to the domains of health information and the Internet, but also to consumers (as opposed to patients). There are likely many additional variables that could be useful in market segmentation of the Internet health information

seeker, which may be discovered by broader reviews, such as that of non-health or non-Internet information seekers (e.g., Wellness Orientation scale [24], [25], CHI Preferences screening instrument [26]) and by examining the numerous studies on information seeking of patients with specific diseases. Similarly, the list of useful market variables would be undoubtedly broadened by inclusion of outcomes other than absolute CHI seeking and CHI seeking frequency.

There was a lack of controlled studies and a small number of studies on psychographic, behavioral, and situational factors, thus limiting the strength and breadth of the study conclusions. The included citations show correlations between the variables and outcomes; nevertheless, controlled studies would provide stronger evidence for correlation and causality. Also, psychographic and behavioral factors are thought to be particularly important in segmentation of healthcare markets [24, 26, 27]. For example, persons with greater wellness orientation could be targeted for health-related products, while those with lower wellness orientation may be better candidates for health promotion program intervention.

This review was also limited by differences in variable definitions, study populations, and statistical methods among the citations that are included.

There were differences in the definitions of both study variables and outcomes used by the included studies. While the variable of gender is specific and dichotomous, variables like age and health status were not uniquely defined and/or categorized among the studies. Even the investigated outcomes of CHI seeking and seeking frequency, in general, were similarly but not identically defined. The broad nature of the conclusions was an attempt to overcome these particular limitations.

The study populations of the included citations differed greatly. The samples differed in country (most were US-based surveys), age (although most were adult populations), and sampling and survey technique, including weighting of results. Most of the studies involved samples from national surveys, although several used more specific populations, for example women from a mammogram clinic, a self-selected sample of users of specific arthritis and musculoskeletal and skin disease websites, and a sample consisting of a hodgepodge of college students, clinic patients and mall shoppers.

Another limitation was differences in the statistical methods used in the included citations. Although the results presented in this review were categorized on the basis of multivariate logistic regression versus bivariate methods, the analyses within each category differed considerably. For example, within the logistic regression methods on the same variable, the other variables that were controlled for varied among the included citations. If the same control variables had been used throughout, different conclusions may have been reached regarding which variables are significantly associated and to what level. Similarly, the results categorized as non-logistic regression were mostly, but not exclusively, analyzed using chi-square analysis. Finally, the statistical methods used and results obtained in the original citations were not always completely or clearly described.

Finally, there is a lack of published market segmentation analyses on consumers of Internet health information. This review was not limited to the standard research publication databases, and there were a couple relevant segmentation studies alluded to in the "gray" literature (e.g., [28] [29]). However, these segmentation studies were from consulting firms and details of methods and results could not be obtained.

Future work

Arguably the most important uses of segmentation of the Internet CHI seeking population would be those that aim to improve the health of consumers. This would require the identification of relatively homogeneous consumer groups that acquire and use health information to change behavior and improve lifestyle in a similar manner within the segment, but distinct (and identifiable) from other segments. To this end, the most important factors are probably psychographic (i.e., characteristics that describe the beliefs, attitudes, and values related to health) and behavioral (e.g., usage patterns and readiness to act); however, these are appear to be the least studied, at least with respect to the outcomes investigated here. Medical and situational factors are also important, but these are likely more important in terms of the information topics required rather than their presentation. Thus, future work identifying and quantifying psychographic and behavioral factor correlates with Internet CHI would be valuable.

Future studies using controls, including longitudinal studies, should be considered, which would certainly strengthen the conclusions drawn about specific variables or combinations of variables and their effect on CHI seeking and other outcomes. Perhaps just as valuable, though, might be true segmentation studies that use multiple variables identified here (and elsewhere) to group consumers into useful market segments.

CONCLUSION

Internet healthcare information seekers may be segmented using a variety of demographic, geographic, psychographic, behavioral, medical, computer/Internet-related, and situational variables. Demographic variables are the best studied; psychographic and behavioral factors may be more important but are less well studied. There is a lack of segmentation studies and controlled studies on variables describing Internet healthcare information seekers.

REFERENCES

- 1. Number of "Cyberchondriacs" Adults Going Online for Health Information Has Plateaued or Declined. 2008 [cited October 18, 2008]; Available from: http://www.harrisinteractive.com/harris_poll/index.asp?PID=937.
- News study shows fewer Americans going to the Web for health guidance. Medical Marketing & Media, 2003. 38(6): p. 27.
- 3. Risker, D.C., *A segmentation analysis of consumer uses of health information.* Health Marketing Quarterly, 1995. **12**(4): p. 39-48.
- 4. Morris, L.A., et al., *A segmentational analysis of prescription drug information seeking*. Medical Care, 1987. **25**(10): p. 953-64.
- Lorence, D. and H. Park, Web-based consumer health information: public access, digital division, and remainders. Medgenmed: Medscape General Medicine, 2006. 8(2): p. 4-4.
- 6. Lorence, D. and H. Park, *Group disparities and health information: a study of online access for the underserved.* Health Informatics Journal, 2008. **14**(1): p. 29-38.
- 7. Lorence, D.P., H. Park, and S. Fox, *Assessing health consumerism on the Web: a demographic profile of information-seeking behaviors.* Journal Of Medical Systems, 2006. **30**(4): p. 251-258.
- Lorence, D.P., H. Park, and S. Fox, *Racial disparities in health information access: resilience of the Digital Divide.* Journal Of Medical Systems, 2006. 30(4): p. 241-249.
- 9. Lorence, D.P. and H. Park, *Measuring dissimilarity in online health search activities*. Technology And Health Care, 2006. **14**(2): p. 79-89.
- 10. Baker, L., et al., Use of the Internet and e-mail for health care information: results from a national survey.[see comment][erratum appears in JAMA. 2003 July 16;290(3):334]. JAMA, 2003. **289**(18): p. 2400-6.
- 11. Berger, M., T.H. Wagner, and L.C. Baker, *Internet use and stigmatized illness*. Social Science & Medicine, 2005. **61**(8): p. 1821-1827.
- 12. Bessell, T.L., et al., *Prevalence of South Australia's online health seekers*. Australian And New Zealand Journal Of Public Health, 2002. **26**(2): p. 170-173.
- 13. Brodie, M., et al., *Health information, the Internet, and the digital divide*. Health Affairs, 2000. **19**(6): p. 255-65.
- 14. Bundorf, M.K., et al., *Who searches the internet for health information?* Health Services Research, 2006. **41**(3 Pt 1): p. 819-836.
- 15. Dey, A., et al., *Perceptions and behaviour of access of the Internet: A study of women attending a breast screening service in Sydney, Australia.* International Journal of Medical Informatics, 2008. **77**(1): p. 24-32.
- 16. Dutta-Bergman, M.J., *Health attitudes, health cognitions, and health behaviors among Internet health information seekers: population-based survey.* Journal Of Medical Internet Research, 2004. **6**(2): p. e15-e15.
- Goldner, M. Health-Related Information on the Internet: The Impact of Race, Class and Gender. in Conference Papers -- American Sociological Association.
 2004: American Sociological Association.

- Pena-Purcell, N., *Hispanics' use of Internet health information: an exploratory study*. Journal Of The Medical Library Association: JMLA, 2008. 96(2): p. 101-107.
- 19. Ybarra, M.L. and M. Suman, *Help seeking behavior and the Internet: a national survey*. International Journal Of Medical Informatics, 2006. **75**(1): p. 29-41.
- 20. Houston, T.K. and J.J. Allison, *Users of Internet health information: differences by health status.* Journal Of Medical Internet Research, 2002. **4**(2): p. E7-E7.
- 21. Lueg, J.E., R.S. Moore, and M. Warkentin, *Patient health information search: An exploratory model of web-based search behavior*. Journal of End User Computing, 2003. **15**(4): p. 49-61.
- 22. Millard, R.W. and P.A. Fintak, *Use of the Internet by patients with chronic illness*. Disease Management & Health Outcomes, 2002. **10**(3): p. 187-194.
- 23. Taubenheim, A.M., *Conducting survey research on the Internet: Use of the Internet to search for information on arthritis and musculoskeletal and skin diseases.* 1999, University of Maryland College Park: United States -- Maryland.
- 24. Kraft, F.B. and P.W. Goodell, *Identifying the health conscious consumer*. Journal of Health Care Marketing, 1993. **13**(3): p. 18-25.
- 25. Cotten, S.R. and S. Gupta, *Characteristics of Online and Offline Health Information Seekers.* Southern Sociological Society, 2003, 2003.
- 26. Maibach, E.W., et al., *Understanding consumers' health information preferences: Development and validation of a brief screening instrument.* Journal of Health Communication, 2006. **11**(8): p. 717-736.
- 27. Navarro, F.H. and S.T. Wilkins, *A new perspective on consumer health Web use: "valuegraphic" profiles of health information seekers.* Managed Care Quarterly, 2001. **9**(2): p. 35-43.
- 28. *How will patients behave?* Medical Marketing & Media, 2006. **41**(6): p. 49-58.
- 29. 2008 Survey of health care consumers Executive summary. 2008 [cited March 2008]; Available from: http://www.deloitte.com/dtt/cda/doc/content/us_chs_ConsumerSurveyExecutiveS ummary 200208.pdf.

APPENDIX A

The number of citations from the keyword search (described in the Methods section) for each database is shown in the table below. These total 1288 citations. Combining the searches and removing duplicates resulted in 748 citations.

<u>Literature Database</u>	Number of citations
Business Source Premier	111
CINAHL	131
Compendex	58
EBSCO Host	29
ERIC	12
LISTA	184
MEDLINE	269
PsychINFO	76
Web of Science	276
ISI Proceedings	48
SocINDEX	31
Sociological Abstracts	10
Library Literature	8
PAIS International	7
Dissertations and Masters Theses	38

The initial pages for each of the specific database searches follow.

Stan Out Folder Proteronces New Festureal Hein Dotabases Basic Advanced OREGON HEALTH & SCIENCE UNIV Search Search Search Oregon OREGON HEALTH & SCIENCE UNIV New Search Keyword Publications Company Profiles Detabases New Search Keyword Publications Company Profiles Detabases Results for: AB (Internet OR web OR online) ADA AB consul. Add search to folder Display link to search E Suggest Subject Terms In AB Abstract or Author-Supplied Abstract IM Search Search Find: Internet OR web OR online In AB Abstract or Author-Supplied Abstract IM Search Search and S Search* OR sought In AB Abstract or Author-Supplied Abstract IM Add Boort Benave Riger In: Business Source Premier In AB Abstract or Author-Supplied Abstract IM Add Boort Benave Riger In: Business Source Premier In AB Abstract or Author-Supplied Abstract IM Add Boort Benave Riger In: Business Source Premier In AB Abstract or Author-Supplied Abstract IM Add Boort Benave Riger In: Business Source Premier In Search HistoryAharis Results Search Bearch HistoryAharis Results <tr< th=""><th>Research Databases B Se New Search Keyv Cor Results for: AB (Internet OR web c</th><th>asic Advanced Vis arch Search Se rord Publications Con apany Profiles Company DR online) AND AB cons</th><th><u>Sign Out</u> Suai Choose arch Databases Ipany Profiles The Profiles Indexes</th><th><u>Folder</u> <u>Pref</u> <u>OREG</u> saurus Cited F</th><th>erences <u>New Fea</u> ON HEALTH & S</th><th><u>tures! Help</u> CIENCE UNIV</th></tr<>	Research Databases B Se New Search Keyv Cor Results for: AB (Internet OR web c	asic Advanced Vis arch Search Se rord Publications Con apany Profiles Company DR online) AND AB cons	<u>Sign Out</u> Suai Choose arch Databases Ipany Profiles The Profiles Indexes	<u>Folder</u> <u>Pref</u> <u>OREG</u> saurus Cited F	erences <u>New Fea</u> ON HEALTH & S	<u>tures! Help</u> CIENCE UNIV
Deteboses Basic Advanced Yourd Chooses OREGON HEALTH & SCIENCE UNIV Search Search Search Search Detabases OREGON HEALTH & SCIENCE UNIV New Search Keyword Publications Company Profiles Indexes Results for: AB (Internet OR web OR online) AND AB consu Add search to folder Display link to search Create alert for this search Create alert for this search Create alert for this search Image: Create alert for this search In: Example: Company Profiles In AB Abstract or Author-Supplied Abstract [mage: Create alert for this search Image: Create alert for this search and SC [nformation In AB Abstract or Author-Supplied Abstract [mage: Create alert for this search Image: Create alert for this search and SC [nformation In AB Abstract or Author-Supplied Abstract [mage: Create alert for this search Image: Create alert for this search and SC [nformation In AB Abstract or Author-Supplied Abstract [mage: Create alert for this search Image: Create alert for this search and SC [nformation In AB Abstract or Author-Supplied Abstract [mage: Create alert for this search Image: Create alert for this search and SC [nformation In AB Abstract or Author-Supplied Abstract [mage: Create alert for this sear	HOST Databases B New Search Keyv Con Results for: AB (Internet OR web construction)	isic Advanced Vis arch Search Se rord Publications Con npany Profiles Company DR online) AND AB cons	suai Choose arch Databases apany Profiles The Profiles Indexes	<u>OREG</u> saurus Cited F	ON HEALTH & S	CIENCE UNIV
New Search Keyword Publications Company Profiles Company Profiles Company Profiles Company Profiles Company Profiles Display link to search	New Search Keyv Con Results for: AB (Internet <i>OR</i> web (rord Publications Con npany Profiles Company DR online) AND AB cons	pany Profiles The Profiles Indexes	saurus Cited F	Pafarancas	
Results for: AB (Internet OR web OR online) AND AB consu	Results for: AB (Internet OR web	DR online) AND AB cons			Cherenaca	
E ^I Suggest Subject Terms Find: Internet OR web OR online In AB Abstract or Author-Supplied Abstract and			u <u>Add search</u>	<u>to folder</u> t for this search	Display link to se	arch
Find: Internet OR web OR online in AB Abstract or Author-Supplied Abstract Sectors and in AB Abstract or Author-Supplied Abstract in AB Abstract or Author-Supplied Abstract in and in Pailth* OR medical in AB Abstract or Author-Supplied Abstract in and in Information in AB Abstract or Author-Supplied Abstract in and in Each Search* OR sought in in AB Abstract or Author-Supplied Abstract in and in Business Source Premier in AB Abstract or Author-Supplied Abstract in (Searching: Business Source Premier in AB Abstract or Author-Supplied Abstract in Refine Search Search History/Alerts Results Results Add Box I Remove Row In: Business Source Premier in AB Abstract or Author-Supplied Abstract in Refine Search Search History/Alerts Results Sort by: Date internet Research See: All Results Academic Journals Trade Publications Magazines Newspapers Market Research Subject 43 issue 3, p6-6, 2/3p; (AN 3/202704) UNITED States Necola: Marketing & Media,	Suggest Subject Terms					
and	Find: Internet OR web OR onli	in AB Ab	stract or Author-Su	pplied Abstract	Search	Clear 🕑
and image: information in AB Abstract or Author-Supplied Abstract image: information and image: information in AB Abstract or Author-Supplied Abstract image: information and image: information in AB Abstract or Author-Supplied Abstract image:	and consumer*	in AB Ab	stract or Author-Su	pplied Abstract		
and [] information in AB Abstract or Author-Supplied Abstract [] and [] seek* OR search* OR sought OR source* OR segment* in AB Abstract or Author-Supplied Abstract [] and [] seek* OR search * OR sought OR source* OR segment* in AB Abstract or Author-Supplied Abstract [] and [] seek* OR search * OR sought OR source * OR segment* in AB Abstract or Author-Supplied Abstract [] Add Row Remove Row in AB Abstract or Author-Supplied Abstract [] In Eusiness Source Premier (Searching: Business Source Premier) F. Refine Search Search History/Alerts Results All Results 1-20 of 111 Page: 1 2 3 4 5 Next Sort by: Date See: All Results Academic Journals Trade Publications Magazines Newspapers Market Resears Product Reviews 1. Pharma still searching online, By: Chase, James. Medical Marketing & Media, Mar2008, Vol. Subject VINTED States 1. Pharma still searching online, By: Chase, James. Medical Marketing & Media, Mar2008, Vol. MEDICAL care 2. Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. MEDICAL information PDF Full Text (54%) For Evel 100000 (For Vel 2000) MEDICAL information Scoogle. Merck tout benefits of online, By: S. M	and 💌 health* OR medical	in AB Ab	stract or Author-Su	pplied Abstract		
and Seek* OR search* OR sought In AB Abstract or Author-Supplied Abstract In: Business Source Premier Add Row Remove Row In: Business Source Premier Image: Business Source Premier (Searching: Business Source Premier) F. Refine Search Search History/Alerts Results All Results: 1-20 of 111 Page: 1 2 3 4 5 Next Sort by: Date See: All Results Academic. Journals Trade Publications Magazines Newspapers Market Researce Product Reviews 1 Pharma still searching online, By: Chase, James, Medical Marketing & Media, Mar2008, Vol. Subject VINTED States PDF Full Text (444k) End twoffsDiubner Narket Researce MEDICAL care 2 Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL information PDF Full Text (548k) End twoffsDiubner Secures 3 Google. Merck tout benefits of online, By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) Mediaty PDF Full Text (548k) End twoffsDiubner PHARMACEUTICAL 4 Consumer choice for over-the-counter dnigs and supplements in the healthca	and 💽 information	in AB Ab	stract or Author-Su	pplied Abstract		
In: Business Source Premier In: Business Source Premier In: Business Source Premier Refine Search Search History/Alerts Results: 12 3 4 5 Next See: All Results Academic Journals Trade Publications Magazines Nerrow Results by 1. Pharma still searching online, By: Chase, James. Medical Marketing & Media, Mar2006, Vol. Subject: 43 Issue 3, p6-6, 2/3p; (AN 31202704) UNITED States PDE Full Text (494K) PDE Full Text (494K) End Heodebu tabox MEDICAL care 2. Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29966100) MEDICAL informatics PDF Full Text (549K) COMPUTER network 3. Google, Merck tout benefits of online, By: S. M.: Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29966101) PHARMACEUTICAL Aconsumer choice for over-the-counter drugs and supplements in the healthcare arena; Approaches to a macro-database across topics, By: Ashman, Hollis; Rabino, Samuel; Minkus-McKena, Dorothy; Moskowitz, Howard R.: Journal of Medical Marketing, Jan2008, Vol. 43 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Citad References (18) <td>and 🔄 seek* OR search* OR</td> <td>ought 🔄 in AB Ab</td> <td>stract or Author-Su</td> <td>pplied Abstract</td> <td></td> <td></td>	and 🔄 seek* OR search* OR	ought 🔄 in AB Ab	stract or Author-Su	pplied Abstract		
In: Business Source Premier Image: Source Premier	OR source* OR segme	nt*			Add Row Rem	nove Row
(Searching: Business Source Premier) F Refine Search Search History/Alerts Results All Results: 1-20 of 111 Page: 1 2 3 4 5 Next Sort by: Date See: All Results Academic_Journals Trade Publications Magazines Newspapers Market Researce Product Reviews 1. Pharma still searching online, By: Chase, James. Medical Marketing & Media, Mar2008, Vol. 43 Issue 3, p6-6, 2/3p; (AN 31202704) UNITED States PDE Full Text (494K) Find records in the fill searching & Media, Mar2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL care 2. Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL informatics PDF Full Text (549K) Find records 10 Horry COMPUTER network 3. Google. Marck tout benefits of online, By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) Services 3. Google. Marck tout benefits of online, By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) PHARMACEUTICAL information PDF Full Text (549K) Find records 10 Horry PHARMACEUTICAL information PDF Full Text (549K) Find records 10 Horry CONSUMER behavior Vol. 8 Issue 1, p49	in: Business Source Premier					
Refine Search Search History/Alerts Results All Results: 1-20 of 111 Page: 1 2 3 4 5 Next Sort by: Date See: All Results Academic Journals Trade Publications Magazines Newspapers Market Researce Product Reviews All Results Academic Journals Trade Publications Magazines Newspapers Market Researce Product Reviews 1 Pharma still searching online, By: Chase, James. Medical Marketing & Media, Mar2008, Vol. 43 issue 3, p6-6, 2/3p; (AN 31202704) UNITED States PDF Full Text (494K) Find Recotes info. Market Researce INTERNET PDF Full Text (494K) Find Recotes info. By: McGuire, Stephen. Medical Marketing & Media, Mar2008, Vol. MEDICAL care 2. Consumers tend to turn to web for wellness info. By: S. McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL informatics PDF Full Text (549K) Find Recotes info. By: S. M Medical Marketing & Media, Feb2008, Vol. 43 issue 2, p24-24, 1/4p; (AN 29968101) Services OSocies. PDF Full Text (549K) Find Recotes information Bervices PDF Full Text (549K) Find Recotes information Socies. By: Ashman, Hollis; Rabino, Samuel; HEALTH<	(Secreting' Rusiness Seure		···			_
Keine search Search History/Aleris Results All Results: 1-20 of 111 Page: 1 2 3 4 5 Next Sort by: Date See: All Results Academic Journals Trade Publications Magazines Newspapers Market Research Product Reviews All Results Academic Journals Trade Publications Magazines Newspapers Market Research Narrow Results by 1. Pharma still searching online, By: Chase, James. Medical Marketing & Media, Mar2008, Vol. 43 Issue 3, p6-6, 2/3p; (AN 31202704) UNITED States PDE Full Text (494K) The Hootser Dubrer INTERNET PDE Full Text (494K) The Hootser Dubrer MEDICAL care 2. Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL informatics PDE Full Text (549K) The Hootser Dubrer COMPUTER network 3. Google, Merck tout benefits of online, By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968101) DNLINE Information Services PDE Full Text (549K) PDE Full Text (549K) The Elbert Colst (549K) PDE Full Text (549K) Media, Reb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101)	(Searching, Business Source	Premier)				F.
All Results: 1-20 of 111 Page: 1 2 3 4 5 Next Sort by: Date See: All Results Academic Journals Trade Publications Magazines Newspapers Market Researcher Product Reviews Academic Journals Trade Publications Magazines Newspapers Market Researcher Narrow Results by 1. Pharma still searching online, By: Chase, James. Medical Marketing & Media, Mar2008, Vol. 43 Issue 3, p6-6, 2/3p; (AN 31202704) PDE Full Text (494K) PDE Full Text (494K) <t< td=""><td>Refine Search Search History/A</td><td>erts Results</td><td></td><td></td><td></td><td></td></t<>	Refine Search Search History/A	erts Results				
See: All Results Academic Journals Trade Publications Magazines Newspapers Market Research Product Reviews Product Reviews 1. Pharma still searching online. By: Chase, James. Medical Marketing & Media, Mar2008, Vol. 43 Issue 3, p6-6, 2/3p; (AN 31202704) 1. Pharma still searching online. By: Chase, James. Medical Marketing & Media, Mar2008, Vol. 43 Issue 3, p6-6, 2/3p; (AN 31202704) UNITED States PDF Full Text (494k) End treportsol three WEDICAL care 2. Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL informatics PDF Full Text (649k) End treportsol three COMPUTER network 3. Google. Merck tout benefits of online. By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) Services PDF Full Text (649k) End treportsol three PHARMACEUTICAL 4. Consumer choice for over-the-counter drugs and supplements in the healthcare arena; Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) The Ethical Confluence Find treportsol three	All Results: 1-20 of 111 Page	1 <u>2 3 4 5 Next</u>			Sort b	y: Date
Otes Air Results Reademic Solurinis Trade Publications Magazines Newspapers Market Researce Product Reviews Pharma still searching online, By: Chase, James. Medical Marketing & Media, Mar2008, Vol. 43 Issue 3, p6-6, 2/3p; (AN 31202704) UNITED States PDE Full Text (494k) End treoutsu three PDE Full Text (494k) End treoutsu three Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL informatics PDF Full Text (549k) End treoutsu three Google, Merck tout benefits of online, By: S. M., Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL information Services PDF Full Text (549k) End treoutsu three PDE Full Text (549k) End treoutsu three A Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R., Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Find treoutsu three 	See: All Results Academ	ic lournals Tradal	Publications			
Narrow Results by 1. Pharma still searching online. By: Chase, James. Medical Marketing & Media, Mar2008, Vol. 43 Issue 3, p6-6, 2/3p; (AN 31202704) UNITED States PDF Full Text (494k) INTERNET PDF Full Text (494k) MEDICAL care 2. Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100.) MEDICAL informatics PDF Full Text (549K) COMPUTER network 6. Google. Merck tout benefits of online. By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101.) ONLINE information 9DF Full Text (549K) Services 9. DEF Full Text (549K) PHARMACEUTICAL 4. Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138.) Cited References (18) Find treotise to the filter of the text of the te	Product Reviews		-ublications 1	wagazines	<u>newspapers</u>	Market Researc
Narrow Results by Subject 1. Pharma still searching online. By: Chase, James. Medical Marketing & Media, Mar2008, Vol. 43 Issue 3, p6-6, 2/3p; (AN 31202704) UNITED States PDE Full Text (494K) WEDICAL care PDE Full Text (494K) WEB sites Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100.) MEDICAL informatics PDE Full Text (549K) COMPUTER network Google, Merck tout benefits of online, By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101.) ONLINE information services Google, Merck tout benefits of online, By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101.) PHARMACEUTICAL industry PDE Full Text (549K) Find tReoHstu Library HEALTH Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138.) Cited References (18) Find teoristi uborary						and the figure of the first state and state and the distance and the state of the state of the state of the state
Subject: 43 Issue 3, p6-6, 2/3p; (AN 31202704) UNITED States PDF Full Text (494K) INTERNET PDF Full Text (494K) MEDICAL care 2. Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL informatics PDF Full Text (549K) COMPUTER network 3. Google. Merck tout benefits of online. By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) ONLINE information 9DF Full Text (549K) Bervices PDF Full Text (549K) PHARMACEUTICAL 4. Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Find teophsty library	Narrow Results by	1. Pharma still searching	<u>g online.</u> By: Chase	e, James. Medic	al Marketing & Me	dia, Mar2008, Vol.
PDF Full Text (494K) Hind Heightsu Eldeary INTERNET 2. Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL informatics PDF Full Text (549K) Find Heightsu Eldeary COMPUTER network 3. Google, Merck tout benefits of online, By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) ONLINE information Services PDF Full Text (549K) PHARMACEUTICAL 4. Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 81 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Hind Heightsu Library	UNITED States	- 43 Issue 3, p6-6, 2/3	p; (AN 31202704)			
MEDICAL care 2. Consumers tend to turn to web for wellness info. By: McGuire, Stephen. Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL informatics PDF Full Text (549K) COMPUTER network 3. Google, Merck tout benefits of online. By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) ONLINE information Services PHARMACEUTICAL PDF Full Text (549K) Industry PDF Full Text (549K) HEALTH Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Find teopisy Library	INTERNET	PDF Full Text (49	IK) (Find Reonsu	Library		
WEB sites Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/4p; (AN 29968100) MEDICAL informatics PDF Full Text (549K) COMPUTER network 3. Google, Merck tout benefits of online. By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) ONLINE information Services PHARMACEUTICAL industry HEALTH Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Ethics/Chelleger (5): chick 2	MEDICAL care	2. Consumers tend to t	in to web for welling	ess info By: Mo	Guiro Stanhan M	
MEDICAL informatics PDF Full Text (549K) End #t@oHSU Library COMPUTER network resources 3. Google. Merck tout benefits of online. By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) ONLINE information services PDF Full Text (549K) End #t@oHSU Library PHARMACEUTICAL industry PDF Full Text (549K) End #t@oHSU Library HEALTH CONSUMER behavior Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Find #t@OHSU Library	WEB sites	Media, Feb2008, Vol	. 43 Issue 2, p24-24	<u>ess mo.</u> Ву. мс 4, 1/4р; (<i>AN</i> 299	68100)	edical Marketing &
COMPUTER network resources ONLINE information services PHARMACEUTICAL industry HEALTH CONSUMER behavior 5 The Ethical Challences (18) Find LteoldSU Library	MEDICAL informatics	PDF Full Text (54	(Find It@OHSU	Library	,	
resources 3. Google, Merck tout benefits of online. By: S. M Medical Marketing & Media, Feb2008, Vol. 43 Issue 2, p24-24, 1/5p; (AN 29968101) PHARMACEUTICAL industry PDF Full Text (549K) HEALTH Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Cited References (18) The Ethios! Chellegee of Direct Dire	COMPUTER network		-			
ONLINE information services 43 Issue 2, p24-24, 1/5p; (AN 29968101) PHARMACEUTICAL industry PDF Full Text (549K) HEALTH Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Find tcoolisy ulbrary	resources	3. Google, Merck tout b	enefits of online. By	y: S. M Medica	I Marketing & Med	ia, Feb2008, Vol.
services PDF Full Text (549K) PHARMACEUTICAL industry 4. Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Find References (18)	ONLINE information	43 Issue 2, p24-24, 7	/5p; (AN 29968101			
PHARMACEUTICAL industry HEALTH CONSUMER behavior 4. Consumer choice for over-the-counter drugs and supplements in the healthcare arena: Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Find References (18)	<u>services</u>	<u>PDF Full Text</u> (54	PK)	Lubrary		
HEALTH Approaches to a macro-database across topics. By: Ashman, Hollis; Rabino, Samuel; Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) End References (18)	PHARMACEUTICAL industry	4. Consumer choice for	over-the-counter d	ruge and supple	monto in the healt	
Minkus-McKenna, Dorothy; Moskowitz, Howard R Journal of Medical Marketing, Jan2008, Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18)		Approaches to a ma	pro-database across	<u>s topics.</u> By: Asł	man, Hollis: Rabir	ncare arena: no. Samuel:
Vol. 8 Issue 1, p49-67, 19p, 1 chart; DOI: 10.1057/palgrave.jmm.5050113; (AN 27941138) Cited References (18) Find References (18)	CONSTIMED hobovier	Minkus-McKenna, D	orothy; Moskowitz, I	Howard R Jour	nal of Medical Ma	keting, Jan2008,
Find It@OHSU Library		Vol. 8 Issue 1, p49-6	7, 19p, 1 chart; DO	l: 10.1057/palgra	ave.jmm.5050113;	(AN 27941138)
5 The Ethicel Obalian and CD1 and CD		Find It@OHSU Librar	<u></u>			
5 The Ethical Obelleman (D) 1/ 0		۵۰۰ کا داده میشود با دور کا مید بروی بر در میدند کرد. در میدون با با میدون بروی میدون در میدود میدون میدون می مربو این میشود در مواد بروان میدون در مواد بروی بروی بروی بروی این در میدون در میدون در میدون در میدون در میدون	-	nan - yaa may kany ka dalay ka maraka da ka		
. The Eurical Unalienges of Direct-to-Consumer Genetic Testing. By: Berg, Chendle Enger-		5. The Ethical Challence	es of Direct-to-Cons	sumer Genetic 1	esting. Bv: Berg	Chervl: Frver-
Edwards, Kelly. Journal of Business Ethics, Jan2008, Vol. 77 Issue 1, p17-31, 15p, 3 charts;		Edwards, Kelly. Jour	nal of Business Eth	ics, Jan2008, Vo	ol. 77 Issue 1, p17	-31, 15p, 3 charts;
I = UUI; UU, UU/(\$10551-006-9298-8) (AN 27540220)		טטו: 10.1007/s1055	1-006-9298-8; (AN 2	27540229)		

	Cited References (42)	· · · · · · · · · · · · · · · · · · ·
6.	Identifying Premier Medical Outsourcing Providers-an Imperfect Process. Journal of Financial Planning, Oct2007, Vol. 20 Issue 10, p64-64, 2/3p; (AN 27037079)	Add
	PDF Full Text (129K) Find It@OHSU Library	
7.	<u>Consumers trust Web for drug info.</u> By: S. M. Medical Marketing & Media, Sep2007, Vol. 42 Issue 9, p26-26, 1/5p; (<i>AN 26475427</i>)	Add
8.	<u>MB STAT.</u> Medical Benefits, 8/30/2007, Vol. 24 Issue 16, p11-11, 2/3p, 1 graph; (<i>AN 26374932</i>)	<u>Add</u>
	PDF Full Text (41K)	
9.	Here Come the Cyberchondriacs. By: King, Rachael. Business Week Online, 8/3/2007, p25-25, 1p; (AN 26098904)	Add
	HTML Full Text	
10.	Here Come the Cyberchondriacs. By: King, Rachael. Business Week Online, 8/2/2007, p8-8, 1p; (AN 26053436)	Add
	HTML Full Text	
11.	How Does Your State Measure Up? Health Management Technology, Aug2007, Vol. 28 issue 8, p8-8, 1/3p; (AN 26400378)	Add
	HTML Full Text PDF Full Text (129K)	
12.	Search behavior varies based on stage of illness. By: McGuire, Stephen. Medical Marketing & Media, Jul2007, Vol. 42 Issue 7, p20-20, 1/4p; (AN 25762584)	Add
	PDF Full Text (112K)	
13.	Google turns to health care data. By: Perelman, Deborah. eWeek, 6/4/2007, Vol. 24 Issue 20, p21-21, 1/3p; (AN 25314461)	Add
میں	PDF Full Text (70K)	
14.	The Buzz on Energy Drinks. By: Montalvo, Kristin V Gourmet Retailer, Jun2007, Vol. 28 Issue 6, p38-42, 4p, 1c; (AN 25486134)	Add
	HTML Full Text	
15.	JOINING THE SOCIAL CIRCLE. (cover story) By: Barrette, Jack; Becker, Bonnie. Medical Marketing & Media, Apr2007, Vol. 42 Issue 4, p59-61, 2p; (AN 24991473)	Add
	PDF Full Text (804K)	

1 2.	۲	
E	Engineering Village Search History - Selected Record	ds - My Profile - My Alerts End Session
	Tags + Groups Easy Search Quick Search ExpertiSearch	Thesaurus Askan Expert Help
Refi	te Search New Search	Next Page > 1-25 🔀 💁
Resu	ts Manager	Pofino Doculto
Select	all on page - Select range; to to to to clear all on page - Clear all selections	
ရွှ Cl	noose format: Citation C Abstract C Detailed record	Author 通 唱
on	new search	Nicholas, David (5)
	View Selections E-Mail Frint Download Severo Folder	Huntington, Paul (5)
_		Sillence, Elizabeth (4)
Searc	ch Results	🗌 Briggs, Pam (4)
58 reco	rds in Compendex for 1969-2008 Save Search - Create Alert -	Harris, Peter (3)
AND (s	seek* OR search* OR sought OR source* OR segment*)) wn KY	Williams, Peter (3)
Sort b	v: V Relevance Date Author Source Publisher	Fishwick, Lesley (3)
		🥅 Meric, Bernstam Funda (2)
_ 1.	Guiding users to quality information about osteoarthritis on the internet: A pilot study	Luo, Wenhong (2)
	Ilic, Dragan (Monash Institute of Health Services Research, Monash Medical Centre); Maloney,	Najdawi, Mohammad (2)
	Stephen; Green, Sally Source: Telemedicine Journal and e-Health, v 11, n 6, December, 2005, p 703-706	
	Database: Compendex	Pact Lab, School Of Psychology And
	Abstract - Detailed -	Sports Science, Northumbria University (4)
- 2	Nodical partals: was based access to medical information	Us Fda, Dep Of Health & Human Services, Usa (2)
1 2.	Shepherd, Michael (Dalhousie Univ); Watters, Carolyn; Zitner, David Source: Proceedings of the	Internet Studies Research Group,
	Hawaii International Conference on System Sciences, 2000, p 110	City University (2)
	Database: Compendex	Exponent (1)
	Abstract - Detailed -	Information Security Research Centre, Queensland University Of Technology
┌─ 3.	Help seeking behavior and the Internet: A national survey	(1)
	Ybarra, Michele L. (Internet Solutions for Kids, Inc.); Suman, Michael Source: International Journal of Medical Informatics v 75 n 1, January 2006, Health and the Internet for All a 20 44	University Of Innsbruck (1)
	Database: Compendex	National Research Council Canada (1)
	Abstract - Detailed - ESTIMATED - Find It@OHSU Library	Internet Solutions For Kids, Inc. (1)
r 4		Mississippi State University (1)
] : 4.	Huntington, Paul (Centre for Information Behaviour and the Evaluation of Research (CIBER), School	Monash Institute Of Health Services Research, Monash Medical Centre (1)
	of Library, Archive and Information Studies, University College London); Nicholas, David; Gunter,	more
	Barrie; Russell, Chris; Withey, Richard; Polydoratou, Panayiota Source: Aslib Proceedings, v 56, n 6, 2004, p 373-382	Controlled vocabulary 並 唱
	Database: Compendex	
	Abstract - Detailed - Fellerevel -	$\prod \text{ Internet (13)}$
- 5	Combining different standards and different serves the first standards	Online Searching (11)
1	in a quality-controlled gateway	World Wide Web (10)
	Soualmia, Lina F. (CISMeF Team, Medical School, Rouen University Hospital); Darmoni, Stefan J.	Information Retrieval (9)
	Database: Compendex	Search Engines (8)
	Abstract - Detailed Friteress	Information Analysis (7)
A		Online Systems (7)
	Freeman, Kris S. (Public Information Specialist University of Weshington Specialist	Information Technology (7)
	Society for Technical Communication Annual Conference, 2002, p 349-350	more
	Database: Compendex	Classification code <u>邮</u> 钽。
	Abstract - Detailed -	Health Care (25)
		Information Retrieval and Use (21)
		()

.

(SA	Zantoputry					Not Ronald? Sign	in here.		
		Research				<u>Sign Out</u>	Folder	Preferences New Fea	tures! Help
New	Search		Basic Search Keyword	Advanced Search	Visual Search	Choose Databases	<u>(</u>	<u>DREGON HEALTH & S</u>	CIENCE UNIV
F	ind:	S6 and S5 and S	i4 and S3 a	and 🔛 in S	elect a F	ield (optional) 💽	Search		
	ļir	formation service	es"				20130392999 0.0024434	Contractories	
Jand			19	ins	elect a Fi	eld (optional) 😹			
Janu		n an angular anna a' ga did dagagarifa d'arfandina ("agada a' agad		ins	elect a Fi	eld (optional) 📉	Add Row		
in	: Spe	cific Databases				0			
Refi Prir Cor	Editio Collec - Scho Caree Psych ne Sean nt Sean	n, MedicLatina, Agric ction, Regional Busin pol Edition, Middle Se or Collection, Alt Hea rology and Behaviora rch Search Histo ch History Retrie	iola, MasterF ess News, F arch Plus, P thWatch, Co, Il Sciences C ry/Alerts ve Searches	ILE Premier, i unk & Wagnal rimary Search mputer Source ollection, Relig Results	Vewspape Is New Wc I, TOPICse 2, Legal Co gion and P	ave Searches / Ale	Health Sou, nal Develop, BSCO Anin émica, Voca Government n) erts <u>Clear</u>	rce - Consumer ment hals, MAS Ultra tional and Collection, <u>Fold</u> <u>Search History</u>	er has items.
Add t	oSearc	h Search Terms							
Searc	n ID# S15					Limiters and Expa	Inders	Actions	Delete
,	S14	"ONLINE informa	and S4 and a tion service	S3 and S2)a s"	IND DE	-		<u>View Results</u> (36) <u>Revise Search</u> View Details	<u>. X.</u>]
 		"HEALTH educat	ind S4 and \$ ion"	53 and S2) a	nd DE			<u>View Results</u> (58) Revise Search Vie w Details	<u>×</u>
J.	810	() S6 and S5 a INTERNET sear	nd S4 and S ching"	53 and S2)a	nd DE			<u>View Results</u> (29) <u>Revise Search</u> View Details) <u>×</u>
	912	WW (S6 and S5 a "health"	nd S4 and S	3 and S2)a	nd DE			<u>View Results</u> (39) <u>Revise Search</u> <u>View Details</u>	
۱ ۲	S10	MI (S6 and S5 a MEDICAL inform	nd S4 and S atics"	3 and S2) ar	nd DE			<u>View Results</u> (49) Revise Search View Details	
	59	© (S6 and S5 ar "MEDICAL care"	nd S4 and S	3 and S2) ar	Id DE			<u>View Results</u> (57) <u>Revise Search</u> View Details	<u>×1</u>
	S8	(S6 and S5 ar "Internet"	d S4 and S	3 and S2) an	d DE			<u>View Results</u> (88) Revise Search View Details	
• •		www. (S6 and S5 and	1 S4 and S3	and S2)				<u>View Results</u> (558) <u>Revise Search</u> View Details	×

Γ.	S7	S6 and S5 and S4 and S3 and S2	<u>View Results</u> (418) <u>Revise Search</u> <u>View Details</u>	
	S6	AB seek* or AB search* or AB sought or AB source* or AB segment*	<u>View Results</u> (1632929) <u>Revise Search</u> <u>View Details</u>	<u>×</u>
	S5	AB information	<u>View Results</u> (5291684) <u>Revise Search</u> <u>View Details</u>	×
Γ	S4	AB health* or AB medical	<u>View Results</u> (2593690) <u>Revise Search</u> <u>View Details</u>	X
	S3	AB consumer*	<u>View Results</u> (548720) <u>Revise Search</u> <u>View Details</u>	
Γ	S2	AB Internet or AB web or AB online	<u>View Results</u> (1639389) <u>Revise Search</u> <u>View Details</u>	
Γ	S1	AB (Internet OR web OR online) and AB consumer* and AB (health* OR medical) and AB information and AB (seek* OR search* OR sought* OR source* OR segment*)	<u>View Results</u> (0) <u>Revise Search</u> <u>View Details</u>	

Top of Page

EBSCO Support Site

.

Privacy Policy Terms of Use Copyright © 2008 EBSCO Industries, Inc. All rights reserved.

THO	STID	search atabases	Basio	A chama			Sign Out	• <u>F</u>	older /	Prefer	ences	New	Featu	res!
New Sear	ch		Search	Searc	cea vi ch Se	isual earch	Choose Databas <u>e</u> s		<u>.</u>	JKEGO		<u>LIH 8</u>	<u>k SCI</u>	ENCE
Resulte f	or (SE AA		eyword	` • • • • • •	. :									
itesuits i	01. (35 AN	ID 54 AND 1	53 AND (S2 AND S	61) AND [DE "IN	<u>Add s</u> Create	earch	to for the	der	<u>Dis</u>	play lin	nk to s	search
Find:	(S5 and	S4 and S3	and S2	and 🔛	in Select	t a Field	(optional)		<u>Soor</u>		cn Secola	ē.		
	S1) and I	DE "INTER	NET		J				oeali		lear			
	· • • • • • • • • • • • • • • • • • • •				in Select	a Field (optional)							
					in Select	a Eield (optional)	<u>A</u>	dd Row	2				
in: _{Sp}	pecific Datab	ases					2)							
(Se Edii Col - Sc Car Psy Refine Se	earching: Ac tion, MedicLi lection, Regi chool Edition eer Collectic rchology and earch Se	ademic Sear atina, Agrico ional Busines , Middle Sea on, Alt Health Behavioral S earch History	ch Premie la, Master ss News, I rch Plus, rch Plus, Watch, C Sciences Alerts	er, Health S FILE Pren Funk & Wa Primary Se omputer S Collection, Results	Source: Nu nier, Newsµ agnalls New earch, TOF ource, Leg Religion a	ursing/Aca paper So w World E PICsearch gal Collec and Philos	ademic Editi urce, Profes Encyclopedi n, Fuente Ad tion, Military cophy Colled	ion, H ssiona ia, EB cadén ⁄ & Gc ction)	ealth S I Deve SCO A nica, V overnm	Source - lopment nimals, ocationa nent Coli	Consul t MAS U al and lection,	mer Iltra	Fold	<u>der ha</u> :
All Resu	llts: 1-20 of	29 Page	:1 <u>2 N</u> €	ext					S	ort by:	Releva	nce	7	Add (
S5 and S	S4 and S3 a	and S2 a	INTER	NET sear	ching							. A		Auu (
			the second se	the second se										
Narrow F Subject	Results by	1	• <u>HEAL</u> OR P/	TH INFOR	RMATION	I ON THE By: Akerk	INTERNE	<u>ET:`PA</u> Bichile	ATIEN e, L. S	T EMP(Indiar	OWERI 1 Journ	<u>MENT</u> al of		Ado
Narrow F Subject INTERNE UNITED S INFORMA	Results by T States ATION		• <u>HEAL</u> OR P/ Medic PDI	TH INFOF ATIENT D al Science F Full Tex	RMATION DECEIT? E es, Aug20 ct (47K) -	I ON THE By: Akerk 104, Vol. Find the	E INTERNE Far, S. M.; E 58 Issue 8, OHSV Librar	ET: PA Bichile p321	ATIEN 9, L. S -326,	T EMP(Indiar 6p; (AN	DWERI Journ 1 14855	<u>MENT</u> al of 5745)		Add
Narrow F Subject INTERNE UNITED S INFORMA retrieval ELECTRC informatio searching	Results by T States ATION DNIC on resource	1	 <u>HEAL</u> <u>OR P/</u> Medic <u>PDI</u> <u>Where</u> <u>Vulner</u> Vol. 53 	TH INFOF ATIENT D al Science E Full Tex Am I to C able Com 3 Issue 2,	RMATION DECEIT? E es, Aug20 dt (47K) - (Go? Use o munities. p283-300	I ON THE By: Akerk 004, Vol. (Find the find the by: Deth By: Deth 1, 18p; (A	E INTERNE ar, S. M.; E 58 Issue 8, 0HSU Librar ernet for Co efsen, Eller N 1535337	T: PA Bichile p321	ATIEN e, L. S -326, ner He	<u>T EMP(</u> Indiar 6p; (ΑΛ alth Info	DWERI Journ 14855 Drmatio Ids, Fal	<u>MENT</u> al of 5745) on by Tr Il2004,	wo	<u>Add</u>
Narrow F Subject INTERNE UNITED S INFORMA retrieval ELECTRC informatio searching MEDICAL	Results by T States ATION DNIC on resource care	2	 <u>HEAL</u> <u>OR P/</u> Medic <u>PDI</u> <u>Where</u> <u>Vulner</u> Vol. 53 <u>PDF</u> 	TH INFOF ATIENT D al Science F Full Tex Am I to C able Com 3 Issue 2, Full Tex	RMATION DECEIT? E es, Aug20 ct (47K) - (Go? Use o munities. p283-300 ct (115K)	I ON THE By: Akerk 104, Vol. 1 Find the of the Inte By: Detl by: Detl by: A By: (A Find the	E INTERNE ar, S. M.; E 58 Issue 8, offst/Libra ernet for Co efsen, Eller N 1535337 20450 Libra	ET: PA Bichile p321	ATIEN a, L. S -326, her He . Libra	T EMP(Indiar 6p; (ΑΛ alth Info alth Info	DWERI Journ 1 14855 Drmatio Ids, Fal	<u>MENT</u> al of 5745) on by Tr Il2004,	wo	<u>Adc</u>
Narrow F Subject INTERNE UNITED S INFORMA retrieval ELECTRC informatio searching MEDICAL ONLINE in services	Results by T States ATION DNIC on resource care oformation	1	 <u>HEAL</u> <u>OR P/</u> Medic <u>PDI</u> <u>Where</u> <u>Vulner</u> Vol. 53 <u>PDF</u> <u>Surfing</u> <u>study c</u> 	TH INFOF ATIENT D al Science E Full Tex Am I to C able Com I Issue 2, E Full Tex the Net f	RMATION DECEIT? E es, Aug20 ct (47K) - Go? Use o munities. p283-300 ct (115K) for medica ity and acc	I ON THE By: Akerk 104, Vol. 1 Find the bf the Inte By: Detk 9, 18p; (A Find the al informa curacy of	E INTERNE ar, S. M.; E 58 Issue 8, offst Libra ernet for Co efsen, Eller N 1535337 offst Libra tion aboutp trauma-rel	T: PA Bichile p321 pnsum n Gay 74)	ATIEN , L. S -326, her He Libra ologic websi	T EMP(Indiar 6p; (AA alth Inf(alth Inf(altraun tes. Bv:	DWERI Journ 1 14855 Drmatio Ids, Fal	MENT al of 5745) on by Tr 12004, empiric	wo	Add Add
Narrow F Subject INTERNE UNITED S INFORM retrieval ELECTRC informatio searching MEDICAL ONLINE in services WEB sites MEDICAL HEALTH a	Results by T States ATION DNIC In resource Care oformation informatics aducation	1	 <u>HEAL</u> <u>OR P/</u> Medic <u>PDI</u> <u>Where</u> <u>Vulner</u> Vol. 53 <u>PDF</u> <u>Surfing</u> <u>study c</u> <u>Dougla</u> Interne graph; 	TH INFOF ATIENT D al Science E Full Tex Am I to C able Com B Issue 2, E Full Tex the Net f of thequali as; Quinn, t in Medic DOI: 10.1	RMATION DECEIT? E es, Aug20 (1 (47K) Go? Use o munities. p283-300 (1 (115K) for medica ty and acc John; Qui sine, Sep2 (080/1463)	I ON THE By: Akerk 104, Vol. 1 Find the bf the Inte By: Deth By: Deth By: Deth By: Deth By: Deth By: Contect By: Deth By: Deth By	E INTERNE ar, S. M.; E 58 Issue 8, offst/Libra ernet for Co efsen, Eller N 1535337 offst/Libra tion aboutp trauma-rel am; Veleda 31 Issue 3 887866; (A	ET: PA Bichile p321 p321 pnsum n Gay 74) mosych lated ar, Em 3, p22	ATIEN a, L. S -326, her He Libra ologic websi hir. Me 27-236 24952	T EMP(Indiar 6p; (AA alth Info ry Tren al traun tes. By: dical In , 10p, 7 9)	DWERI Journ 1 14855 Drmatio Ids, Fal Da: An Bremn formatio ' charts	MENT al of 5745) on by Tr I2004, ler, J. cs & th s, 1	wo cal ie	Add Add
Narrow F Subject INTERNE UNITED S INFORMA retrieval ELECTRO INFORMA MEDICAL ONLINE in services WEB sites MEDICAL HEALTH E	Results by	1	 <u>HEAL</u> <u>OR P/</u> Medic <u>PDI</u> <u>Where</u> <u>Vulner</u> Vol. 53 <u>PDF</u> <u>Surfing</u> <u>study c</u> <u>Dougla</u> Interne graph; <u>PDF</u> 	TH INFOF ATIENT D al Science E Full Tex Am I to C able Com I to C able Com I ssue 2, Full Tex the Net f of thequali as; Quinn, t in Medic DOI: 10.1 Full Text	RMATION DECEIT? es, Aug20 ct (47K) Go? Use o munities. p283-300 ct (115K) for medica ty and acc John; Qui sine, Sep2 080/14638 t (85K)	I ON THE By: Akerk 104, Vol. 1 Find the bf the Inte By: Detk 9; Detk 9	E INTERNE ar, S. M.; E 58 Issue 8, offst Librar ernet for Co efsen, Eller N 1535337 offst Librar tion aboutp trauma-rel am; Veleda 31 Issue 3 887866; (A	ET: PA Bichile p321 pnsum n Gay 74) bosych lated ar, Em 3, p22	ATIEN a, L. S -326, her He Libra ologic websi hir. Me 27-236 24952	T EMP(Indiar 6p; (AA alth Inf(alth Inf(al traun tes. By: dical In , 10p, 7 9)	DWERI Journ 1 14855 Dormatio Ids, Fal Da: An Bremm formatio ' charts	MENT al of 5745) on by Tr 12004, li2004, ner, J. cs & th s, 1	wo cal ie	Add Add
Narrow F Subject INTERNE UNITED S INFORM retrieval ELECTRC informatio searching MEDICAL ONLINE ir services WEB sites MEDICAL HEALTH e	Results by T States ATION DNIC on resource care oformation informatics education T users	1	 HEAL OR P/ Medic PDI Where Vulner Vulner Vol. 53 PDF Surfing study c Dougla Interne graph; PDF How do wide we intervie Journal Fundition 	TH INFOF ATIENT D al Science F Full Tex Am I to C able Com Issue 2, Full Tex Issue 2, Full Tex Issi Quinn, t in Medic DOI: 10.1 Full Text Consume ab? Qualit ws. By: E 3/9/2002	RMATION DECEIT? E es, Aug20 at (47K) - Go? Use o munities. p283-300 t (115K) for medica ty and acc John; Qui tine, Sep2 080/14639 t (85K) ers search tative stud ysenbach, 2, Vol. 324	I ON THE By: Akerk 104, Vol. 1 (Find Inte By: Deth 9, 18p; (A Find Inte 1, 18p; (A Find Inte 2006, Vol. 9230600 Find Inte 1, Gunthe 1 Issue 7:	E INTERNE ar, S. M.; E 58 Issue 8, 0HSU LID: ernet for Co efsen, Eller N 1535337 20HSU LID: tion about trauma-rel am; Veleda 31 Issue 3 887866; (A HSU LID: appraise he occus group r; Kohler, C 337, p573,	ET: PA Bichile p321 past onsum n Gay 74) cosych lated ar, Em 3, p22 W 22 W 22 W 22 W 22 D s, us Christi 5p, 1	ATIEN a, L. S -326, her He . Libra ologic websi ir. Me 27-236 24952 inform ability an. Bf graph	T EMP(Indiar 6p; (AA alth Inf(iry Tren al traun tes. By: dical In , 10p, 7 9) ation or tests, a MJ: Briti ; (AN 6	DWERI a Journ <i>1 14855</i> ormatio ids, Fal ha: An o Bremn formatio ' charts <u>o the wo</u> and in-d sh Meo <i>361985</i>	MENT al of 5745) on by Tr 1/2004, her, J. cs & th cs & th cs, 1 orld lepth dical 9)	wo 2al Ie	Add Add

	PDF Full Text (107K)	
-	 15. <u>Semantics and the medical web: a review of barriers and breakthroughs effective healthcare query.</u> By: Lorencet, Daniel P.; Spink, Amanda. He Information & Libraries Journal, Jun2004, Vol. 21 Issue 2, p109-116, 8p 10.1111/j.1471-1842.2004.00491.x; (AN 13416547) <u>PDF Full Text</u> (104K) 	<u>s in</u> alth <u>Added</u> ,; DOI:
_	16. <u>Vaccination or Immunization? The Impact of Search Terms on the Intern</u> By: Wolfe, Robert M.; Sharp, Lisa K Journal of Health Communication, Sep2005, Vol. 10 Issue 6, p537-551, 15p, 2 charts, 1 diagram, 4 graphs 10.1080/10810730500228847; (AN 18448910)	<u>net.</u> S; DOI:
	 17. <u>Chiropractic and the Internet: Opportunity or Liability?</u> (cover story) By: Newborg, Herb. American Chiropractor, Jul2006, Vol. 28 Issue 8, p38-4 (AN 21657807) <u>PDF Full Text</u> (1.1MB) 	0, 2p; <u>Added</u>
	 A Study of the Web as DTC Drug Marketing Agent. By: Lorence, Daniel Churchill, Rick. Journal of Medical Systems, Dec2007, Vol. 31 Issue 6, 556, 6p, 4 charts; DOI: 10.1007/s10916-007-9098-4; (AN 27053633) Find Reof-SU Library 	l; p551- <u>Added</u>
	 Academic Health Sciences Libraries: An Underutilized Resource for Parand Consumers. By: Hollander, Sue. Journal of Consumer Health on the Internet, 2003, Vol. 7 Issue 4, p1-6, 6p; (AN 12539162) End the OHSU library 	tients e <u>Added</u>
	 Producing an information leaflet to help patients access high quality druin information on the Internet: a local study. By: Coleman, Bridget. Health Information & Libraries Journal, Sep2003, Vol. 20 Issue 3, p160, 12p; D 10.1046/j.1365-2532.2003.00426.x; (AN 10593294) PDF Full Text (459K) 	g <u>Added</u> /OI:
All Results: 1-20 of 29	Page: 1 <u>2</u> <u>Next</u>	<u>Add (1-20)</u>

Top of Page

EBSCO Support Site

Privacy Policy Terms of Use Copyright © 2008 EBSCO Industries, Inc. All rights reserved.

	Not F	Ronald? Sign in here.
Research		Sign Out Folder Preferences New Features! Help
HOST Databases	Basic Advanced Visual Search Search Search	Choose OREGON HEALTH & SCIENCE UNIV Databases
New Search	Keyword Thesaurus Indexes	
Results for: AB (Internet OR	eb OR online) AND AB consu	Add search to folder Display link to search Create alert for this search
Find: Internet OR web OF	online in AB Abstract	Search Clear @
and v consumer*	in AB Abstract	
and health* OR medical	in AB Abstract	
and information	in AB Abstract	
and seek* OR search*	DR sought* 📓 in AB Abstract	
OR source* OR se	ment*	Add Row Remove Row
	·	
(Searching: ERIC)		Fold
Refine Search Search Histo	y/Alerts Results	
All Results: 1-12 of 12 Pa	je: 1	Sort by: Date
World Wide Web Internet Access to Information Information Services	2. Internet Librarian 2001. Proce	eedings of the Internet Librarian Conference (5th Pasadona
Health Education	<u>California, November 6-8, 20</u> (ED464641)	01) By: Nixon, Carol; Burmood, Jennifer. 2001 269 pp.
Development Reliability Annotated Bibliographies Higher Education	 PERSIVAL, a System for Per Healthcare Information. By: 2001 12 pp. (ED459839) Full Text from ERIC 	sonalized Search and Summarization over Multimedia McKeown, Kathleen R.; Chang, Shih-Fu; Cimino, James.
	 General Orientation to New K Management, and Information Lab., Austin, TX 2001 41 pp Full Text from ERIC 	nowledge Utilization Fields of Informatics, Knowledge n Technology By: Southwest Educational Development . (ED457621)
	 <u>Proceedings of the Annual Me</u> <u>Mass Communication (83rd, F</u> By: Association for Education (ED447537) <u>Full Text from ERIC</u> 	eeting of the Association for Education in Journalism and Phoenix, Arizona, August 9-12, 2000). Advertising Division in Journalism and Mass Communication 2000 311 pp.
	6. How To Find Medical Informa Healthcare Professional and (tion on the Internet: A Print and Online Tutorial for the Consumer. Internet Workshop Series Number 10 By:

-

ł

- - -		Kovacs, Diane K.; Carlson, Ann L 2000 128 pp. (ED440656)	
	7.	Computers in Libraries, 2000: Proceedings (15th, Washington, D.C., March 15-17, 2000) By: Nixon, Carol; Burmood, Jennifer. 2000 296 pp. (ED447817)	Add
	8.	Educational Resources Available on the Internet: Assessing the Quality of Psychological Healthcare Sites By: DiBlassio, Jamie; Simonin, Danielle; DeCarolis, Anthony. 1999 39 pp. (ED425368) Full Text from ERIC	Add
	9.	The Asymmetrical Quality of Psychological Internet Resources for Addressing Common versus Rare Problems By: Doran, Matt; Simonin, Danielle; Morse, Laura. 1998 33 pp. (ED415478) Full Text from ERIC	Add
	10.	Guide to Reference Materials for School Library Media Centers, Fifth Edition, . By: Safford, Barbara Ripp. 1998 353 pp. (ED426696)	Add
	11.	Consumer Health Libraries: A New Diagnosis By: Moeller, Kathleen A Library Journal, v122 n12 p36-38 Jul 1997. (EJ547868) HTML Full Text PDF Full Text Find ttoohSULbrary	Add
	12.	<u>Home Economics Tests. Annotated Bibliography of Tests.</u> . By: Educational Testing Service, Princeton, NJ. Test Collection 1991 31 pp. (ED369789) <u>Full Text from ERIC</u>	Add
All Results: 1-12 of 12	Page:	1	<u>Add (1-12)</u>

Top of Page

EBSCO Support Site

Privacy PolicyTerms of UseCopyright© 2008 EBSCO Industries, Inc. All rights reserved.

,	na fili a se		
Research	X	Sign In Folder	Preferences New Features! Help
HOST Database	Basic Advanced Vi Search Search Se	ual Choose arch Databases	🎁 More Free Resources
New Search	Keyword Publications The	aurus Cited References	Indexes
Results for: AB (Internet OF	web OR online) AND AB cons	J <u>Add search to folde</u> Create alert for this	<u>Display link to search</u> search
Find: Internet OR web C		stract or Author-Supplied Al	ostract Search Clear
and Consumer*	in AB Ab	stract or Author-Supplied Al	ostract
and 😴 health* OR medica	in AB Ab	stract or Author-Supplied Al	ostract
and information	in AB Ab	stract or Author-Supplied Al	ostract
and seek* OR search	OR sought in AB Ab	stract or Author-Supplied Al	ostract
OR source* OR s	gment*	nen nen a ministra di seconda di s	Add Row Remove Row
Refine Search Search His	tory/Alerts Results	To store items added to th	ne folder for a future session, <u>Sign In to</u>
All Results: 1-10 of 184	Page: 1 2 3 4 5 Next		Sort by: Date
See: All Results A	ademic Journals Magaz	nes Newspapers	
Narrow Results by Subject INTERNET	1. <u>Group disparities an</u> Lorence, Daniel; Her 38, 10p, 3 charts, 4 g	health information: a study young Park. Health Informat raphs; (AN 31200516)	of online access for the underserved. By: ics Journal, Mar2008, Vol. 14 Issue 1, p29
MEDICAL care	2. <u>A study of peer-to-pe</u> Lorence, Daniel; Li (14p, 1 chart, 7 diagr	<u>er-information-in-a domain-o</u> hen. Health Informatics Jour ims: (<i>AN 27987387</i>)	f <u>uncertainty: the case of epilepsy.</u> By: nal, Dec2007, Vol. 13 Issue 4, p303-316,
HEALTH education			
WEB sites	3. Evolution from media	al bibliographic information s	ervices to health information services. By:
INTERNET searching UNITED States	<u>Cited References (</u>))	sue 9, p580-593, 14p; (<i>AN 30001191</i>)
ONLINE information services INFORMATION retrieval	4. <u>Time, Cost, Information Seeking</u> Information Seeking Martha Ingrid. Evide 107, 3p; (<i>AN 28018</i>)	on Seeking Skills and Forma by Primary Care Practitioner ice Based Library & Informat 47)	<u>at of Resources Present Barriers to</u> <u>s in a Research Environment.</u> By: Preddie, ion Practice, Oct2007, Vol. 2 Issue 3, p105
	5. <u>Do People Experiend</u> S.; Coiera, Enrico W Vol. 14 Issue 5, p599 <i>AN 26964137</i>)	e Cognitive Biases while Sea . Journal of the American Me -608, 10p, 7 charts, 7 diagra	arching for Information? By: Lau, Annie Y. edical Informatics Association, Sep/Oct200 ms, 5 graphs; DOI: 10.1197/jamia.M2411;
	6. "If <u>My Mother Was A</u> Reference & User So AN 27350259)	ive I'd Probably Have Called rvices Quarterly, Fall2007, \	<u>Her.".</u> By: Harris, Roma; Wathen, Nadine. /ol. 47 Issue 1, p67-79, 13p, 1 chart; (
	<u>Cited References (2</u>	<u>Z)</u>	
	7		

	Not Ronald? Sign in h	ere.
Research	Sign Out	Folder Preferences New Features! Help
Databases	Basic Ádvanced Visual Choose Search Search Databases	OREGON HEALTH & SCIENCE UNIV
New Search	Keyword Publications MeSH Indexes	
Results for: AB (Internet OR	web OR online) AND AB consu Added to folde Create alert fo	er Display link to search r this search
🗹 Suggest Subject Te	erms	
Find: Internet OR web O	R online in AB Abstract	Search Clean 🔮
and consumer*	In AB Abstract	
and 🛃 health* OR medica	in AB Abstract	
and information	in AB Abstract	
and seek* OR search*	OR sought AB Abstract	
JOK SOURCE* OK SE	igment*	Add Row Remove Row
in: MEDLINE	<u></u>	
(Searching: MEDLINE	· · · · · · · · · · · · · · · · · · ·	
Refine Search Search His	tory/Alerts Results	Fold
All Results: 1-20 of 269	Page: 1 <u>2 3 4 5 Next</u>	Sort by: Date
Narrow Results by Subject Humans Internet United States	 <u>Hispanics' use of Internet health information</u> By Peña-Purcell N, Journal Of The Medical I ISSN: 1558-9439, 2008 Apr; Vol. 96 (2), pp. End R@0159 Library 	<u>: an exploratory study.</u> (eng; includes abstract) Library Association: JMLA [J Med Libr Assoc], 101-7; PMID: 18379664
Female	2. Commonly cited website quality criteria are r	ot effective at identifying inaccurate online
Adult	information about breast cancer. (eng; includ	des abstract) By Bernstam EV, Walji MF,
Male	Sagaram S, Sagaram D, Johnson CW, Meri 543X, 2008 Mar 15: Vol. 112 (6), pp. 1206-1	c-Bernstam F, Cancer [Cancer], ISSN: 0008- 3: PMID: 18266210
Middle Aged	Find It@OHSU Library	5, 1 MID. 10200210
Internet utilization		
Aged	3. Evaluating Online Direct-to-Consumer Marke	eting of Genetic Tests: Informed Choices or
Information Storage and Retrieval methods	Edyers Beware? (eng; includes abstract) By [Genet Test], ISSN: 1090-6576, 2008 Spring Find tteoHSULbrary	Geransar R, Einsiedel E, Genetic Testing ; Vol. 12 (1), pp. 13-23; PMID: 18373401
	 Group disparities and health information: a s (eng; includes abstract) By Lorence D, Park Informatics J], ISSN: 1460-4582, 2008 Mar; ¹ Find the OHSU Library 	tudy of online access for the underserved. H, Health Informatics Journal [Health Vol. 14 (1), pp. 29-38; PMID: 18258673
	5. [The analysis of health related behavior after includes abstract) By Io HS. Kim H I. Second	using health information on the internet.] (kor;

6.	Building Quality Report Cards for Geriatric Care in The Netherlands: Using Concept Mapping to Identify the Appropriate "Building Blocks" From the Consumer's Perspective. (eng; includes abstract) By Groenewoud Msc AS, van Exel Msc NJ, Berg Phd M, Huijsman Phd R, The Gerontologist [Gerontologist], ISSN: 0016-9013, 2008 Feb; Vol. 48 (1), pp. 79-92; PMID: 18381835	<u>Added</u>
7.	Audio-visual presentation of information for informed consent for participation in clinical trials. (eng; includes abstract) By Ryan RE, Prictor MJ, McLaughlin KJ, Hill SJ, Cochrane Database Of Systematic Reviews (Online) [Cochrane Database Syst Rev], ISSN: 1469-493X, 2008; (1); Cochrane AN: CD003717; PMID: 18254029	Added
8.	College health professionals and academic librarians: collaboration for student health. (eng; includes abstract) By Hallyburton A, Kolenbrander N, Robertson C, Journal Of American College Health: J Of ACH [J Am Coll Health], ISSN: 0744-8481, 2008 Jan-Feb; Vol. 56 (4), pp. 395-400; PMID: 18316283 PDF Full Text	<u>Added</u>
9.	Impact of web searching and social feedback on consumer decision making: a prospective online experiment. (eng; includes abstract) By Lau AY, Coiera EW, Journal Of Medical Internet Research [J Med Internet Res], ISSN: 1438- 8871, 2008; Vol. 10 (1), pp. e2; PMID: 18244893	Added
10.	Quality of information accompanying on-line marketing of home diagnostic tests. (eng; includes abstract) By Datta AK, Selman TJ, Kwok T, Tang T, Khan KS, Journal Of The Royal Society Of Medicine [J R Soc Med], ISSN: 0141-0768, 2008 Jan; Vol. 101 (1), pp. 34-8; PMID: 18263912 (find the offsu Library)	Added
11.	The authority and utility of internet information. (eng; includes abstract) By Merrell RC, Cone SW, Rafiq A, Studies In Health Technology And Informatics [Stud Health Technol Inform], ISSN: 0926-9630, 2008; Vol. 131, pp. 265-72; PMID: 18305336	<u>Added</u>
12.	A study of peer-to-peer information in a domain of uncertainty: the case of epilepsy. (eng; includes abstract) By Lorence D, Chen L, Health Informatics Journal [Health Informatics J], ISSN: 1460-4582, 2007 Dec; Vol. 13 (4), pp. 303-16; PMID: 18029406	<u>Added</u>

UNROUND

Wolters Kluwer	OvidSP	Database Field Guide 🍕 Ask a Librarian Display Knowledc Base Help Logoff
Change Database Journals Books	S	Saved Searches/Alerts Personal Account Name: stevenro English Français Deutsch Español
Current: PsycINFO 1806 to April Week 2 2008		
Basic Search Find Citation Search	Tools Search Fields	

Advanced Ovid Search

Enter Keyw phrase (use "\$" for truncation)	vord or "*" or Search ≥ Map Term to Subject	thor C Title C Journal	In ra se	Basic Search, results are nked by relevancy based on the arch terms.
Limits (Click to	close)]
☐ Full Text ☐ Abstracts ☐ Latest Update	☐ Human ☐ PsycARTICLES Journals	English Language All Journals		
Publication Year				
Additional Limits				

Search History (18 searches) (Click to close) View Saved						
<u>г</u>	#	Searches	Results	Display		
	1	(Internet or web or online).mp. [mp=title, abstract, heading word, table of contents, key concepts]	20896	DISPLAY	CONTRACT	
Γ-	2	consumer\$.mp. [mp=title, abstract, heading word, table of contents, key concepts]	27111	DISPLAY		
[3	(health\$ or medical).mp. [mp=title, abstract, heading word, table of contents, key concepts]	361248	- DISPLAY		
Г	4	information.mp. [mp=title, abstract, heading word, table of contents, key concepts]	225693	DISPLAY		
		(seek\$ or search\$ or sought or source\$ or segment\$).mp.				

							1		
	Γ	5	[mp=title, abstract, h word, table of conten concepts]	eading Its, key	185128	- DISPLAY			
	Г	6	1 and 2 and 3 and 4 a	nd 5	98				
	Γ	7	(Internet or web or online).ab,sh,ti.	n na sena da de como de la compañía	20054	- DISPLAY	In Basi		
ſ	[8	consumer\$.ab,sh,ti.		26589		search		
Ĩ	Г	9	(health\$ or medical).	ab,sh,ti.	327925	DISPLAY			
	Г	10	information.ab,sh,ti.		208409	DISPLAY			
	Γ	11	(seek\$ or search\$ or s source\$ or segment\$)	ought or .ab,sh,ti.	178063	·國DISPLAY			
	Γ	12	7 and 8 and 9 and 10	and 11	84	DISPLAY			
	Γ	13	(Internet or web or or	nline).ab.	18560	DISPLAY			
	Г	14	consumer\$.ab.		17660	DISPLAY			
	Γ	15	(health\$ or medical).	289250	DISPLAY				
	Г	16	information.ab.	199373	DISPLAY				
	Γ	17	(seek\$ or search\$ or s source\$ or segment\$)	168817	DISPLAY				
	Г	18	13 and 14 and 15 an	d 16 and 17	76	DISPLAY			
	Re	move S	elected Combine s	elections with	n: And				
	Or								
				SVDS ***	Save Search	1 History			
L						······	· · · · · · · · · · · · · · · · · · ·		
		Sea	rch Aid	Customi	ze Display	Reset Disp	olay View A		
Y	Your search						Results		
S	earch	terms	used:	Results o	Results of your search: 13 and 14 and 15 and 16 and				
	consumer			Viewing 1	Viewing 1-10 of 76 Results				
	health information internet medical online search			Go to #:	1	GO			
				·····					
				□ 1.	Mukame	el, Dana B; W	/eimer, David L; Mushl		
					Alvin I.	Interpreting	market share change		
	se	ek		Tost 2	evidenc	e for effect	iveness of quality rep		
	se	gment			Journal	[References] [<i>Medical Co</i>	re Vol 45(12) Dec 200		
	SO	ught	1888 2000		1227-12	32.	10. 10. 40((2) Dec 200		
	SO	urce		1					

n Basic Search, results are ranked by relevancy based on the search terms

2

*

Search Aid	Customize Display Reset Display View All Ab	Abstracts:		
	— Sort By: -			
Your search	Results Per P	age: 10		
Search terms used: consumer	Results of your search: 13 and 14 and 15 and 16 and 17			
health information internet	Go to #: 1	Next Page ≽		
medical online search seek segment sought source	 Mukamel, Dana B; Weimer, David L; Mushlin, Alvin I. Interpreting market share changes as evidence for effectiveness of quality report cards. [References]. [Journal; Peer Reviewed Journal] Medical Care. Vol 45(12) Dec 2007, 1227-1232. 	 Abstract Complete Reference Ovid Full Text Enconconsultary 		
Narrow search Narrow your results by: Subjects Authors Journals	2007 View Abstract			



OvidSP

Search Results

Search Aid	Customize Display Reset Display View All Abstracts:
Your search	Results Per Page: 10
Search terms used:	Results of your search: 13 and 14 and 15 and 16 and 17
consumer 🔛	
health	Viewing 1-10 of 76 Results Tour Recent Searches [+] Next Page ≫
information	Go to #: 1
internet	
medical	🗌 1. 🛛 Mukamel, Dana B; Weimer, David L; Mushlin, 🗖 Abstract
online	Alvin I. Interpreting market share changes as Complete Reference
search	evidence for effectiveness of quality report Ovid Full Text
seek	cards. [References]. [Journal; Peer Reviewed
sought	Journal] Medical Care. Vol 45(12) Dec 2007,
Source	1227-1232.
	Year of Publication
Narrow search	2007
Narrow your results by:	View Abstract
Subjects	
Authors	Find Similar Find Citing Articles
Journals	
	☐ 2. Vinker, Shlomo; Weinfass, Michael: Kasinetz ■ Abstract
	Lior M; Kitai, Eliezer; Kaiserman, Igor. Web-
Results Manager	based question-answering service of a
	family physicianThe characteristics of
Actions	queries in a non-commercial open forum.
Dicplay	[References]. [Journal; Peer Reviewed
Display	Journal] Medical Informatics and The
Print Preview	internet in Medicine. Vol 32(2) Jun 2007, 123-
A CONTRACTOR OF THE DATE OF THE OF THE DATE OF THE DATE OF THE OF TH	129.
Email	Year of Publication
Save	2007
	View Abstract
Results	Find Similar Find Citing Articles
C Selected Results	
C All on this page	1 3. Porter, Ann; Edirippulige, Sisira. Parents of Abstract
All in this set (1-76)	information of the later of the
	experience [Reference] In the Australian
and/or Range:	Reviewed Journal Journal (Source)
	and Deaf Education, Vol. 12(4) Education
	529.
Clear Selected Results	
	Year of Publication



逫	Sign In	My Endl	Note Web My ResearcherID My Citation Alerts My Saved Searches								
	ISI Web of Krov	Mec	Qe sm <i>Take the next step</i> A								
ć. <u>č.</u>	All Databases 🕺 Select a Database	W Y	eb of Science Additional Resources								
	Search Cited Reference Search Advanced Search Search History Marked List (0)										
	Web of Science®										
	Results Topic=(Internet O Topic=(health* OI OR search* OR s Timespan=All Years. I	R web R media ought (Database	OR online) AND Topic=(consumer*) AND cal) AND Topic=(information) AND Topic=(seek* OR source* OR segment*) s=SCI-EXPANDED, SSCI, A&HCI.								
	Results: 276		Page 1 of 28 Go >>> Sort by: Lat								
IIIe	Refine Results) جب را	Print) (E-mail) (Add to Marked List) Save to EndNote Web) more options								
С Ф	Search within results for										
В Н	Search	∟ 1.	Title: Effects of the metacognitive computer-tool met.a.ware on the lavpersons								
	Subject Areas Refine		Author(s): Stadtler M, Bromme R								
	☐ HEALTH CARE SCIENCES & SERVICES (59)		Source: COMPUTERS IN HUMAN BEHAVIOR Volume: 24 Issue: 3 737 Published: MAY 2008								
	MEDICAL INFORMATICS (59)		Times Cited: 1								
	INFORMATION SCIENCE & LIBRARY SCIENCE (56)	□ 2.	Title: The public's need for dentistry information on the Internet a								
			status in Taiwan Author(s): Chiang YY. Shiau DK. Wang SL. et al.								
	PUBLIC, ENVIRONMENTAL &		Source: JOURNAL OF DENTAL SCIENCES Volume: 2 Issue: 1 Pa								
<u> </u>	OCCUPATIONAL HEALTH (27)		Times Cited: 0								
	Document Types (Refiles)	□ 3.	Title: Commonly cited website quality criteria are not effective at i								
	ARTICLE (252)		inaccurate online information about breast cancer								
	REVIEW (20)		Author(s): Bernstam EV, Waiji MF, Sagaram S, et al. Source: CANCER Volume: 112 Issue: 6 Pages: 1206-1213 Publis								
	EDITORIAL MATERIAL (2)		2008								
			(Full Text)								
	more options / values										
	▶ Authors	l 4 .	bringing health information home to older adults								
	 Source Titles 		Author(s): Macias W, McMillan S Source: HEALTH COMMUNICATION Volume: 23 Issue: 1 Pages:								
	Publication Years		Times Cited: 0								
	✤ Institutions	□ 5.	Title: How complementary and alternative medicine practitioners Author(s): Willinsky J. Quint-Rapoport M								
	▶ Languages		Source: JOURNAL OF MEDICAL INTERNET RESEARCH Volume: {								
	▹ Countries/Territories		Times Cited: 0								
	For advanced refine options, use		(Full Text)								
	(<u>E Analyze Results</u>)	□ 6.									
			Title: Internet-based physical activity interventions: A systematic literature								

- ---

Research		Si	<u>gn In</u>	<u>Folder</u>	Preferences	New Features	! <u>Ask a Lil</u>	orarian He	<u>ilp</u>
HOST Databases	Basic Search	Advanced Search	Visual Search	Ch Data	oose bases	1	Portland St	<u>ate Univers</u>	<u>sity</u>
New Search	Keyword Indexes	Publications	Subject ⁻	Terms	Author Profiles	Cited Refere	ences	Language	
Results for: AB (Internet OR	web <i>OR</i> onli	ne) AND AB	consu	Add Crea	search to fold ite alert for thi	er Displ s search	ay link to se	arch	
Find: Internet OR web O	R online	in A	B Abstrac	ct or Aut	hor-Supplied /	Abstract 🔛	Search	Clear 🛛	ī
and 🛃 consumer*		in A	B Abstra	ct or Aut	hor-Supplied	Abstract 🔚			
and 🔄 health* OR medica		in A	B Abstrac	ct or Aut	hor-Supplied /	Abstract 🔛			
and 🔄 information	· · · · · · · · · · · ·	in A	B Abstrac	ct or Aut	hor-Supplied /	Abstract 🔛			
and seek* OR search*	OR sought	in A	B Abstrac	ct or Aut	hor-Supplied /	Abstract 🔛			
OR Source* OR Se	egment*		,			A	dd Row Rer	nove Row	
in: SocINDEX with Full Te	ext				i				
(Searching: SocINDEX	with Full Tex	<i>t</i>)							
• -			То	store ite	ems added to	the folder for	a future se	ssion, <u>Sigr</u>	n In to
Refine Search Search His	tory/Alerts	Results						_	
All Results: 1-10 of 31 P	age: 1 <u>2</u> 3	4 Next			1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		Sort b	y: Date	
See: All Results Ac	ademic Jou	rnals <u>C</u>	onferenc	e Papers	<u>}</u>				
Narrow Results by Subject MEDICAL care MEDICAL informatics WEB sites	1. <u>Ca</u> <u>W</u> - Ca ch <u>Ci</u>	omparing Sta ith the Medic atherine; Phil arts, 2 graph ted Reference	ffing Leve aid Cost F lips, Charl s; (AN 27 ces (21)	ls in the Report Da es DG 273595)	<u>Online Survey</u> ata: Are Differe erontologist,-A	Certification a ences Systema ug2007, Vol. 4	nd Reportin <u>itic?</u> By: Ka 7 Issue 4, p	g (OSCAR) sh, Bita A.; I 480-489 , 1(Syster Hawes 0p, 4
INTERNET			Takan yang mang manganan dan sa sa sa sa						
HEALTH education PUBLIC health UNITED States INTERNET in medicine ELECTRONIC information resources CONSUMERS	2. Pu of 10	ublic informat Health Servi 0.1258/13558 PDF Full Te	ion on hea ces Resea 19077794 xt (212K)	alth care arch & Po 97611; (Find It @	providers. By: plicy, Jan2007 AN 23686871 PSU	Golder, Su; Li , Vol. 12 Issue)	ght, Kate; V 1, p59-60, ź	√right, Kath. 2p, 3bw; DC	. Journ)I:
	3. <u>Ga</u> E. Ju 10 Ci	ender and We ; Detlor, Brian In2006, Vol. & 0.1002/asi.20 Ited Referent Ind It @ PSU	<u>eb informa</u> n. Journal 57 Issue 8 379; (<i>AN</i> 2 ces (21)	ation see of the A , p1105- 2091696	king: A self-co merican Socie 1115, 11p, 4 C 5)	ncept orientation ty for Information Charts, 1 Diagra	<u>on model</u> B on Science am, 2 Grapt	y: Hupfer, M & Technolo ıs; DOI:	1auree gy,
	4. <u>Pc</u> <u>Re</u> Ar	oster 33. Exp esults of an A merican Socie	loring Hea frican-Am	<u>Ilth Inform</u> erican C	nation Relation	nships and Bou : Morey, Ophel	undaries: Te lia. Confere	ephone Sunce Papers	<u>ırvey</u>

American Sociological Association, 2006 Annual Meeting, Montreal, p1, 1p; ()

	American Sociological Association, 2006 Annual Meeting, Montreal, p1, 1p; (AN 26643022) PDF Full Text (55K)	
	 P.O.W.E.R. Surfers: Bridging the Digital Divide to Quality Consumer Health Information By: Janik, Toni E.; Chateau, Joann L Journal of Consumer Health on the Internet, 2005, Vol. 9 Issue 4, p1-10, 10p; DOI: 10.1300/J381v09n04_01; (AN 20625673) Find It @ PSU 	<u>Add</u>
	6. <u>Creating a More Informed Health Care Consumer: How One Medical Library</u> <u>Participates in Mini Medical School</u> By: Werner, Susan E.; Chimato, Mary Carmen. Journal of Consumer Health on the Internet, 2005, Vol. 9 Issue 4, p27-33, 7p; DOI: 10.1300/J381v09n04_03; (<i>AN 20625675</i>) Find It @ PSU	Add
	 How Health Status Impacts the Types of Health Information Consumers Seek Online. By: Goldner, Melinda. Conference Papers American Sociological Association, 2005 Annual Meeting, Philadelphia, p1-20, 20p; (AN 18615186) Cited References (21) PDF Full Text (48K) 	Add
	 State Health Department Web Sites: Rich Resources for Consumer Health Information By: Alpi, Kristine M Journal of Consumer Health on the Internet, 2005, Vol. 9 Issue 1, p33-44, 12p, 1 Black & White Photograph, 4 Charts; DOI: 10.1300/J381v09n01_04; (AN 16773004) Find It @ PSU 	<u>Add</u>
	9. <u>Health Information Seals of Approval: What do they Signify?</u> By: Burkell, Jacquelyn. Information, Communication & Society, Dec2004, Vol. 7 Issue 4, p491-509, 19p; DOI: 10.1080/1369118042000305610; (AN 15645037) <u>Cited References (1)</u> Find It @ PSU	<u>Add</u>
	 Health-Related Information on the Internet: The Impact of Race, Class and Gender. By: Goldner, Melinda. Conference Papers American Sociological Association, 2004 Annual Meeting, San Francisco, p1-25, 27p, 4 charts; DOI: asa_proceeding_35109.PDF; (AN 15929598) <u>Cited References (30)</u> <u>PDF Full Text</u> (276K) 	<u>Add</u>
All Results: 1-10 of 31	Page: 1 <u>2</u> <u>3</u> <u>4</u> <u>Next</u>	<u>Add (1-10)</u>

Top of Page

EBSCO Support Site

Privacy PolicyTerms of UseCopyright© 2008 EBSCO Industries, Inc. All rights reserved.

· .		CUSTOMIZE DISP	LAY HELF	· TECHNICAL SUPPO	ORT EXIT PROGRAM
Wilson					Quick Links
Web					Journal Directory 🔄 🛈
BASIC SEARCH ADV	ANCED SEARCH	BROWSE THESAURUS SEARCH	HISTORY	PRINT EMAIL SAVE	EXPORTING / CITING
SEARCH RESULTS	5:				
8 Records found for (<and> (<near> search* OR soug</near></and>	(information) <in> KW , ht OR source* OR segment*)</in>	Find:		
<in> KW))<and></and></in>	(<and> (<near></near></and>	(Internet OR web OR online)			
<in> KW , <near> medical)<in> KW</in></near></in>	(consumer*) <in))</in 	I> KW , <near> (health* OR</near>	Sear	ch Within Results	New Search
In Library Lit & Inf S	cience				
🕼 Revise Search 🛛	🖂 Create Alert	Link to Search			
ALL RESULTS PEE	R REVIEWED				
0 MARKED RECORDS	S: GET MARKED CLE	AR MARKS SHOW FULL DISPLAY		Sort By :	Relevance
1					Browse Pages: 1
		an la mana na sama na sa katalangang di katana nakata sanana na na mana na na sama na sa sana sa sana aka mana	angescher Langescher	a ala ana ao amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana amin'ny fisiana am	
Suggested Subject	100% 🥅 1 Vo ag	olk, R. M. <u>Expert searching in con ge of the Internet and the Web. Jo</u>	sumer hea ournal of th	ilth: an important re e Medical Library A	ole for librarians in the Association v. 95 no. 2
Health /	(A	vpril 2007) p. 203-7 🖻			:
<u>Internet</u> resources	F	ind It @ PSU			
Web sites / Evaluation	100% 🗌 2 🤇	Good, L. V. <u>The Seeking Behaviors</u>	of First and	d Second Year Unde	rgraduate Students
Internet search		When Searching Online for Const The two officers	imer Hean	<u>In Information</u> . 20	105. 39 p.
engines / Evaluation		ring it @ PSO			
Reference	100% 🗔 1	Burkell, J., et. al., <u>"What does this i</u>	mean?" Hoy mation see	N Web-based consider the pursuit	<u>umer health</u> of informed consent
<u>Services /</u> Michigan	f	for screening test decisions. Journa	I of the Me	dical Library Associ	ation v. 93 no. 3 (July
Internet		2005) p. 363-73 🏝			:
Evaluation		Find It @ PSU			. :
<u>Reference</u> services /	100%	Maguire, S. <u>The Indiana State Depa</u>	artment of	Health as a Source	e of Consumer Health
Evaluation	2	<i>Information</i> . Indiana Libraries v. 1	24 no. 3 (2	005) p. 14-16	
<u>Metadata</u> Medical		Find It @ PSU			. :
libraries and	100% 🗔 5	Tu, F. <u>Are <i>information seekers</i> a</u>	nd users ar	nong the general pu	blic at a crossroads? An
<u>Michigan</u>		examination of the quantity of con popular magazines and on the Int e	<i>sumer nea</i> ernet in 19	<u>98</u> . Public Library Q	uarterly v. 18 no. 3/4
Information		(2000) p. 139-68 💽			
Directories		Find It @ PSU			
<u>Medical</u> literature /	100% 56	Wood, M. S., ed <i>Health</i> care resol	urces on the	e <i>internet</i> : a quide	for librarians and health
Evaluation		care consumers. Haworth Press,	, 1999. 205	δ p.	
<u></u>		Find It @ PSU			
	100% 🗌 7	Wu Gang. , et. al., <u>Comparing</u> We	b search e	ngine performance	in <i>searching consumer</i>
		health information: evaluation a Conference]. Bulletin of the Medi	ind recomm i cal Librarv	endations [presenter Association v. 87 no	ed at the 1998 MLA
		456-61	/		(
	Find It @ PSU	- 			
------------------------------	--	---			
100% 🗌 8	Frank, R. C., ed, et. al., <u>The Directory of food and name</u> <u>& consumers</u> . 2nd ed. Oryx Press, 1992. 332 p.	utrition information for professionals			
	Find It @ PSU				
0 MARKED RECORDS: GET MARKED	CLEAR MARKS SHOW FULL DISPLAY	Sort By : Relevance			
		Browse Pages: 1			

Basic Search | Advanced Search | Browse | Thesaurus | Search History | Print Email Save | Exporting / Citing

© 2002-2008 H.W. Wilson Company. Use of WilsonWeb means acceptance of the <u>license agreement</u>. For customers who have signed the Wilson license agreement, that agreement takes precedence over the one listed here.

œ,	ILLUMINA	Portlan	d State University Library
	What you need to know about 'Ask Your Doctor	<u>'ads</u>	
			Please log in to My Research mount
Logout	Quick Search Advanced Search Search To	ols Browse	
Results	E	Edit Search	Help & Support
History/Com	nbine Searches Command Search Thesaurus	Indexes	
7 results for	und for: (KW=(Internet or web or online) and KW=	= consumer * and	in ? PAIS International 🖉 Alert Me
	7 ? PAIS International		
Published W	Vorks 7 Web Sites 3 Scholars 1087		
All Publicati	ion Types 7 Journals <u>4</u> Peer-Reviewed Journals	3 Other 3	
Mark or Cle	ear all on page <u>Update Marked List</u> <u>Save, Print, Em</u>	ail 🖗 RefWorks	Sort by: Most Recent First 😪 Go
	🧃 Previo	ous 1 Next 📷	Record #
1. <u>I</u> B J J F S ⊻ 2 <u>II</u> <u>F</u>	he Ethical Challenges of Direct-to-Consumer Ge Berg, Cheryl; Fryer-Edwards, Kelly lournal of Business Ethics, vol. 77, no. 1, pp. 17-5 led to little progress in the policy arena. A 2005 Int dentified 13 websites offering health-related genetic burchase by the consumer. Further examination of t showed that /iew Record Find it @PSU Internet Marketing of Neuroproducts: New Practice Healthcare Policy Challenges Racine, Eric; Van Der Loos, Hz Adriaan; Illes, Judy	31, Jan (I) 2008 ternet search testing for direct hese sites	PAIS International Descriptors: *Genetic testing *Ethics *Consumers *Business enterprises *Counseling *Internet More Patabase: PAIS International Descriptors: *Internet advertising - United States *November 2015
C 1 id id (F <u>\</u>	Cambridge Quarterly of Healthcare Ethics, vol. 16 194, May 2007 Draws on an analysis of <i>Internet searches</i> conducted dentify emerging practices in <i>Internet</i> direct-to- <i>cons</i> (DCTA) of products designed for brain function & to a Food & Drug View Record Findlit @ PSU	5, no. 2, pp. 181- ed in 2005 to sumer advertising examine how	<u>-Neurosciences</u>
г— 3. <u>5</u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SARS Wars: An Examination of the Quantity and Health Information in the News Media Berry, Tanya R.; Wharf-Higgins, Joan; Naylor, P.J. Health Communication, vol. 21, no. 1, pp. 35-44, 2 The media have the power to sway public perception by choosing what to publish and the context in which information. The media may influence an individual overestimate the risk of some View Record Find It@PSU	Construction of 2007 n of <i>health</i> issues n to present I's tendency to	Database: PAIS International Descriptors: <u>*News *Public health - Information sources</u> <u>*Mass media</u>
<u> </u>	Casting the health.net: advertisers are reaching conscious consumers who turn to the Web on a basis Wellner, Alison Stein American Demographics, vol. 22, no. 3, pp. 46-44 efforts by drug marketers to sell their products ov advertising on health and medical information We sites that attract their target audience, such as moth US.	out to health- need-to-know 9, March 2000 er the <i>Internet</i> by eb sites, and other hers and seniors;	Database: PAIS International Descriptors: Internet advertising Pharmaceutical industry - - Marketing Advertising Pharmaceutical industry Medicine Web sites Medicine Information sources

View Record	l	Find	It@	PSU

5. حرا	American Indian Health Information portal to documents, Web sites, databases, and other resources covering issues affecting the health and well-being of American Indians including policies, consumer health information, Resource Location: <u>http://americanindianhealth.nlm.nih.gov</u> [cited 15 July 2004] View Record Find It @ PSU	Database: PAIS International Descriptors: <u>Information sources</u> <u>Indians</u> <u>Medical</u> <u>Service</u> <u>Native races</u> <u>Public health</u> <u>United</u> <u>States</u>
 ⊽ 6.	PDR.net: Getting Well Network Web site of the searchable Physician's Desk Reference (published by Thomson Medical Economics), containing current information about drugs; includes overviews of various diseases, clinical trials, Resource Location: <u>http://www.gettingwell.com</u> [cited 21 Jan 2004] View Record Find it @ PSU	Database: PAIS International Descriptors: <u>Physician and patient Prescriptions Drugs </u> <u>Diseases</u>
<u>ए</u> 7.	 <u>Genetics Home Reference</u> The National Library of Medicine's <i>Web</i> site for <i>consumer</i> <i>information</i> about genetic conditions and the genes responsible for those conditions. <u>Resource Location: http://ghr.nlm.nih.gov</u> [cited 24 October 2003] View Record 1 Find it @ PSU 	Database: PAIS International Descriptors: <u>Genetics <i>Information sources</i> Public <i>health</i> <u>education</u></u>
	M Previous 1 Next	Record #
Show	Short format	Results per page: 25 😭 🚱
	(KW=(Internet or Web of OnTINC) and The medical)) and(KW=information and KW=((seek* OR search (source* OR segment*)))	h*) or sought or
	Insert field code Keywords, KW=	Clear
	Now Selected: 🚱 PAIS International	
	Change: Subject Area M or Specific Databases	
	Date Range: Earliest 🖌 to 2008	
	Limited Latest Update Journal Articles Only to:	English Only
	More Search Options: (<u>Hide</u>)	
	PAIS International Indexes & Limits	
	Author	Browse Author
	Journal Name	Browse Journal Name
	Publication Type	Browse Publication Type

Portland State University Library | Portland State University Library | Help

ProQuest	Portland State University Library	y Portland State University Library Help
	~~~	Interface language:
Basic Advanced Browse 10 marked iter	ns	
Databases selected: Dissertations & Theses		
Results		Dissertations & Theses RSS Feeds
38 documents found for: <i>{Internet OR web OR online)</i> medical) AND (information) AND (seek* OR search* Ol	AND (consumer*) AND (health* OR R sought OR source* OR segment*)	≫ <u>Refine Search</u>   <u>Set Up Alert</u> ⊠
Dissertations		·
Mark all <u>10 marked items</u> : Email / Cite / Ex	port III <u>Show only full text</u>	Sort results by: Most recent first
<ul> <li>Personal health records: An empirical us by Lafky, Deborah Beranek, Ph.D., The Cla</li> </ul>	<u>ser taxonomy</u> aremont Graduate University, 2008	. 275 pages: AAT 3296160
Abstract   🗐 24 Page Preview	E <u>III Text - PDF</u> (17 MB)   B <u>Order</u>	a copy
✓ 2. Serial and concurrent intra-program object	ective sequences for children with	autism
by Cross, Scott C., Ph.D., The Florida Stat	te University, 2007, 102 pages; AAT	「3282594
		<u>I COPY</u>
<ul> <li>A study on the adoption of a Web page of by LaRue, Elizabeth Marie, Ph.D., Univers</li> </ul>	content assessment tool: SPAT ity of Pittsburgh, 2006, 137 pages;	AAT 3250985
Abstract   🗐 24 Page Preview   🛙	E <u>Full Text - PDF</u> (2 MB)   🗟 Order a	а сору
<ul> <li>4. <u>Consumer use of external information in relationship to personal influence</u> by Schwalenstocker, Ellen S., Ph.D., The G</li> </ul>	choosing health plans: A model of	of external information search and its 06, 551 pages; AAT 3209934
Abstract   🗐 24 Page Preview   🖬	Full Text - PDF (24 MB)   🖗 Order	a copy
5. Health literacy and the World Wide Web information on the Internet by Friedman Daniela B, Ph D, University	Assessing text readability and old	der adults' comprehension of cancer
Abstract   □ 24 Page Preview   □	☐ <u>Full Text - PDF</u> (15 MB)	a copy
<ul> <li>Nursing home spending, staffing and turber by Kash, Bita Arbab, Ph.D., The Texas A&amp; 3238272</li> </ul>	r <u>nover</u> M University System Health Scien	<b>ce Center</b> , 2006, 126 pages; AAT
🖴 <u>Abstract</u>   🗐 <u>24 Page Preview</u>   🕏	E <u>Full Text - PDF</u> (383 K)   🗐 <u>Order a</u>	a copy
<ul> <li>✓ 7. Perceptions and uses of the Internet as by Alrashid, Saad Abdullah, Ph.D., Howard</li> </ul>	a new health information source a I University, 2006, 97 pages; AAT 3	<u>mong Saudi college students</u> 249973
Abstract   🗐 24 Page Preview	E Full Text - PDF (5 MB)	а сору
<ul> <li>Physical activity on the Internet: Will type</li> <li>Bonnar-Kidd, Kelly K., Ph.D., Purdue U</li> </ul>	ical users find quality information niversity, 2006, 110 pages; AAT 325	<u>1?</u> 51590
Abstract   🗐 <u>24 Page Preview</u>   🖬	E Full Text - PDF (7 MB)   Drder a	асору
<ul> <li>9. See one, do one, teach one: HIV/AIDS le by O'Grady, Laura Anne, Ph.D., University</li> </ul>	arners participate in communities v of Toronto (Canada), 2006, 231 pa	of practice ages; AAT NR15776
Abstract   ■ 24 Page Preview   ■	E Full Text - PDF (12 MB)   Drder	а сору
<ul> <li>Taste and odor problems in source water</li> <li>by Dempster, Thomas Alexander, Ph.D., A</li> </ul>	ers and water treatment facilities rizona State University, 2006, 182	pages; AAT 3210122
Abstract   🗐 24 Page Preview	Full Text - PDF (15 MB)   🖗 Order	а сору
1-10 of 38	an ng pangan na barang ar - pananakanana ar na - kamanaka na na bananana na - antikamana - antika yana ya na a	

## APPENDIX B

The following table (generated using a spreadsheet application) shows the 104 citations resulting from initial application of the selection criteria to abstracts of the 748 citations shown in Appendix A. Full articles were obtained for these citations; application of selection criteria and inclusion of manual search articles [10, 13] resulted in 19 citations. As explained in the Results section, one citation [9] was removed due to duplication of results, resulting in the final 18 included citation ided?

Author	Year Title	Database	Include
	1996 Online health and medical information seekers identified	<b>Business Source Premier</b>	ou
	2000 Information About Quality in a Randomized Evaluation	SocINDEX	ou
	2001 Consumers use Internet when sick, and they favor disease-specific Web	Business Source Premier	ou
	2001 Patients Using Internet For Health Care Guidance Are Responsive, But N	Business Source Premier	ou
	2004 Health Attitudes, Health Cognitions, and Health Behaviors Among Interne	Business Source Premier	оц
•	2006 How will patients behave?	<b>Business Source Premier</b>	ou
	2006 INCREASING USE OF THE INTERNET FOR HEALTH CARE DECISION	<b>ULISTA</b>	ou
	2007 The Adaptive Web Methods and Strategies of Web Personalization	Compendex	ou
Akesson	2007 Health care consumers' experiences of information communication techn	( Medline	ou
Anton	2006 Literacy, consumer informatics, and health care outcomes: Interrelations	é Medline	ou
Ashman	2008 Consumer choice for over-the-counter drugs and supplements in the hea	Business Source Premier	ou
Barrette	2007 Joining the social circle	<b>Business Source Premier</b>	ou
Berger	2005 Internet use and stigmatized illness	Web of Science	ves
Bernhardt	2004 Online pediatric information seeking among mothers of young children: R	Web of Science	no
Bessell	2002 Do Internet interventions for consumers cause more harm than good? A t	s Medline	no
Bessell	2002 Prevalence of South Australia's online health seekers	Medline, BSP, SocINDEX, W of S	ves
Bundorf	2004 Consumers' use of the Internet for health insurance	Medline	no
Bundorf	2006 Who searches the internet for health information?	Medline	ves
Burk	2003 An online consumer health information resource: 3-year usage summary	Medline	ou
Chandra	2004 Utilization of the Internet by Rural West Virginia Consumers	CINAHL, LISTA, SocINDEX	ou
Choi	2007 Understanding the impact of direct-to-consumer (DTC) pharmaceutical ac	: Web of Science	оп
Cline	2001 Consumer health information seeking on the Internet: the state of the art	Medline	ОП
Cotten	2003 Characteristics of Online and Offline Health Information Seekers	Sociological Abstracts	ou
David	2003 Search disclosure: Understanding digital information platform preference	LISTA, EBSCOhost	ou
Dey	2008 Perceptions and behaviour of access of the Internet: A study of women at	Web of Science	ves
.Dutta-Bergman	2003 Trusted online sources of health information: differences in demographics	Medline	ou
Dutta-Bergman	2004 Health attitudes, health cognitions, and health behaviors among Internet h	Medline	ves
Dutta-Bergman	2004 Primary sources of health information: comparisons in the domain of heal	Medline, Web of Science	ou
Dutta-Bergman	2005 Developing a profile of consumer intention to seek out additional informat	Medline, Web of Science	ou
Eysenback	2002 How do consumers search for and appraise health information on the wor	Medline	ou
Fowles	2004 Patients' interest in reading their medical record: relation with clinical and	Medline	ou
Fowles	2004 Early experience with employee choice of consumer-directed health plans	Medline	ou
Frisby	ZUUZ Smoking cessation and the internet: a qualitative method examining onlin	Medline	DO

ves	оп	ou	ou	ou	ou	ou	оп	ou	ves	ou	ou	оц	ou	ou	or .	ou	ou	ou	ou	ou	2	22		Ves	ves	yes	ou	ves	ves	ou	ou	0
Goldner 2004 Health-Related Information on the Internet: The Impact of Race, Class an SocINDEX	Goldner 2006 How Health Status Impacts the Types of Information Consumers Seek Or Pyschlnfo, Sociological Abstracts	Greenberg 2004 Setting the public agenda for online health search: a white paper and actic Medline	Hardey 2001 'E-Health': The Internet and the Transformation of Patients into Consume Sociological Abstracts	Hart 2004 The role of the Internet in patient-practitioner relationships: Findings from Web of Science	Hattery 1999 Wired for health: a report on electronic consumer health information LISTA	Hesse 2006 The health information national trends survey: research from the baseline Medline, Web of Science	Hong 2002 A query analysis of consumer health information retrieval ISI Proceedings	Houston 2001 The potential of consumer health informatics	Houston 2002 Users of Internet health information: differences by health status Medline	Huntington 2003 Characterising and profiling health web user and site types: Going beyonc Compendex	Huntington 2004 Consumer trust in health information on the web	Huntington 2004 The general public's use of (and attitudes towards) interactive, personal d Web of Science	Jo 2008 Korean [The analysis of health related behavior after using health informa Medline	Jones 2001 eHealth consumerism: An exploratory study of the impact people who wis Dissertations & Masters Theses	Kahn 2001 How the media influences women's perceptions of health care Medline, Business Source Premie	King 2007 Here Come the Cyberchondriacs Business Source Premier	Kivits 2006 Informed patients and the Internet - A mediated context for consultations Web of Science	Kontos 2007 Barriers and facilitators to home computer and Internet use among urban Web of Science	Lacroix 2001 How consumers are gathering information from MEDLINEplus Web of Science	Lafky 2008 Personal health records: An empirical user taxonomy Dissertations & Masters Theses	Landro 2000 More People Are Using Internet Health Sites, But Fewer Are Satisfied Business Source Premier	Lewis 2006 Seeking Health Information on the Internet: Lifestyle Choice or Bad Attack Sociological Abstracts.	Libuatuorie – 2001 Ose or trie internet as a resource for consumer reagant information. resums meaning Locardo – 2006 Mich hocod concrimer hogith information: public access dirital division a Madina	Lorence 2000 Web-based consumer nearur information, public access, unglicar university a medime I orence 2006 Assessing health consumerism on the Web' a demographic profile of info Medline	Lorence 2006 Racial disparities in health information access: resilience of the Digital Div Medline	Lorence 2006 Measuring dissimilarity in online health search activities Medline	Lorence 2006 New technology and old habits: The role of age as a technology chasm Medline	Lorence 2008 Group disparities and health information: a study of online access for the Medline	Lueg 2003 Patient health information search: An exploratory model of web-based sec Compendex	Macias 2004 Dr. Mom and Dr. Web: A Qualitative Analysis of Women's Use of Health I Business Source Premier	Macias 2008 The return of the house call: The role of Internet-based interactivity in brin Web of Science	Maibach 2006 Understanding consumers' health information preferences: Development Web of Science

ou	ou	0 U	ou	ou	ves	о	ou	ou	ou	20	20	2	0 L	0 C	0 L	0 L	0 L	0						ou	ou	ou	оц	0				2
2000 A case study of a health-related Internet discussion group as a venue for Dissertations & Masters Theses	2007 Search hehavior varies based on stade of illness	2008 Consumers tend to turn to web for wellness info	2001 PERSIVAL. a System for Personalized Search and Summarization over N ERIC	2006 Patients using the Internet to obtain health information: how this affects th Medline	2002 Use of the Internet by patients with chronic illness	ey 2006 The effects of information situation and information source on the perceiv Dissertations & Masters Theses	2006 Informatics-based learning resources for patients and their relatives in rec ISI Proceedings	artin 2004 How Internet users find, evaluate, and use online health information: A crc Web of Science	2006 Poster 33. Exploring Health Information Relationships and Boundaries: Te SocINDEX	2004 Interactive Health Communication Applications for people with chronic dis Medline	r 1998 Consumer use of the Internet for health information: A population survey Web of Science	2001 A new perspective on consumer health Web use: "valuegraphic" profiles c Medline	2001 Digital health information provision and health outcomes	2001 Searching intention and information outcome	2002 Evaluating metrics for comparing the use of web sites: A case study of tw Compendex	2003 Assessing used content across five digital health information services usir Web of Science	2004 The characteristics of users and non-users of a kiosk information system Compendex	2004 Re-appraising information seeking behaviour in a digital environment - Bo Web of Science	e 2007 Examining the dimensions of cancer-related information seeking and scar Web of Science	2006 eHEALS: The eHealth Literacy Scale	2006 eHealth literacy: Essential skills for consumer health in a networked world web of Science	2006 Consumer determinants of the use of health plan information in plan selective business bounce riterine	iii 2008 hispanics use of interfiet neatrif information; an exproration study myterine 2003 How do constituers search for and appraise information on medicines on Medline	2001 Needs assessment of those who seek information about clinical depressic Dissertations & Masters Theses	2007 Perceptions of traditional information sources and use of the world wide w Web of Science	2007 KidsHealth: Child Health Information for All Ages	2006 Internet uses for health information seeking: A literature review Medline	2000 Information retrieval of self-care and dependent-care agents using NetWe Dissertations & Masters Theses	2004 What do patients with prostate or breast cancer want from an internet site web of Science	2005 Intormation search in health care decision-making: a study of word-on-morentine 	1 1939 Collaacting survey research of the internet. Ose of the internet to search plase tarons a masters inteses 2004 December and information products marking food tonics and are Mah of Science.	
Massoni	McGuire	McGuire	McKeown	McMullan	Millard	Minor-Coole	Moen	Morahan-M.	Morey	Murray	Nammache	Navarro	Nicholas	Nicholas	Nicholas	Nicholas	Nicholas	Nicholas	Niederdepp	Norman	Norman	Detjen	Peterson	Price	Rains	Rana	Renahy	Rieg	Rozmovits	Snipes		van ullen

-

4

2001 Has the Web really empowered health care consumers? The truth is cust Medline2006 Help seeking behavior and the Internet: a national surveyMedline2006 Consumers' use of the internet for health informationMedline Wilkins Ybarra Yorn

no yes no