QUARTERLY REPORT

COVER SHEET

1. Title of Project*:

Using the "Information Rx" Process to Refer Parents of Newborns with Metabolic Conditions Identified by Screening to the Genetics Home Reference Web Site for Health Information

2. Name of Institution:

University of Utah, Department of Biomedical Informatics

3. Location of Institution:

26 South 2000 East HSEB Suite 5700 School of Medicine Salt Lake City, UT 84112-5750

- 4. Name, Mailing and E-Mail Addresses, Voice and Fax Numbers, of Person Submitting Report: Denise E. Beaudoin, mailing address as above, email address denise.beaudoin@hsc.utah.edu, phone 801-581-4080, FAX 801-581-4297
- 5. Number and Inclusive Dates of Quarterly Report:
 Quarterly Report #3, covering the period from 04/16/08 through 07/15/08
- 6. Submission Date:

July 15, 2008

Using the "Information Rx" Process to Refer Adults and Parents of Children with Metabolic Conditions to the Genetics Home Reference Web Site for Health Information

^{*} Note new project title:

NARRATIVE DESCRIPTION

1. Executive summary. Please provide a brief, one-paragraph narrative summarizing major accomplishments made during the quarter.

Patient recruitment began on April 28, 2008. Parents of two infants diagnosed with a metabolic disorder identified by newborn screening were enrolled before the study eligibility criteria were expanded to include adults and parents of older children with metabolic conditions. Changes to the protocol summary, study description, consent form and surveys were proposed to accommodate this change and a study amendment was submitted to the University of Utah IRB for review. The study was determined to be exempt from federal regulations governing human research on May 14, 2008. Modifications to question 20 in the follow-up survey were also proposed when investigators noted the need for an additional response category. A final amendment was submitted to the IRB and the study was once again deemed exempt on June 9, 2008. To date, 40 participants have been enrolled in the study. Metabolic conditions include PKU, CG, LCHAD, MCAD and MSUD, among others.

- 2. Description of Progress toward the Project's Major Objectives:
 - a. Administrative/Planning Activities:
 - i. Two study amendments were submitted to the University of Utah IRB and deemed 'exempt' (please see above).
 - b. Collaborations/Partnerships: Ongoing with Dr. Longo's Metabolic Clinic staff.
 - c. Publicity/Marketing Activities: Not applicable.
 - d. Product/Resource Development Activities: Not applicable.
 - e. Site Visits: None at this time.
 - f. Outreach activities: None at this time.
 - g. Web site development activities: Not applicable.
 - h. Exhibits:
 - i. Dr. Beaudoin presented a poster describing the 'Info Rx' project at the annual meeting of the Utah Library Association in April 2008.
 - ii. Drs. Mitchell, Longo, Logan and Beaudoin submitted a poster for presentation at the annual AMIA meeting in November but were notified on June 18 that the abstract was not accepted.
- 3. Loansome Doc/Document Delivery Activities: Not applicable.
- 4. Evaluation Activities: Not applicable at this time.
- 5. Problems/Corrective Actions (including significant changes made in implementation of the project): After discussion among study investigators, the decision was made to expand the study eligibility criteria beyond the parents of newborns to include adults and parents of older children with metabolic conditions who are seen at the Metabolic Clinic. This change will increase the number of potential study participants and allow the investigators to obtain feedback about the GHR Web site from three distinct populations: the parents of infants with a metabolic condition identified by newborn screening, the

parents of children living with metabolic conditions, and adult patients with metabolic conditions. Although a Web-based version of the initial survey was created in order to streamline the data collection process, the paper-and-pencil version has been used as it is a better 'fit' with clinic flow.

- 6. Lessons Learned/Significant Feedback: Not applicable at this time.
- 7. Projected Activities for Next Quarter:
 - (a) Dr. Beaudoin will continue recruitment of study participants from among patients seen at the Metabolic Clinic
 - (b) Dr. Beaudoin will conduct follow-up of study participants (by e-mail and letter) to ensure that they access the GHR Web site and complete the follow-up survey.
 - (c) Dr. Beaudoin will continue data entry and begin data analysis.
- 8. Reports of Training/Demonstration Sessions and/or Exhibit Reports: Not applicable.

APPENDIX

Include copies of: communications, materials produced, evaluation tools/instruments used or developed, press releases, advertisements, articles for newsletters, etc.

Please see attached IRB correspondence, revised study documents including the most recent (paper) versions of the study description, consent form and surveys.

IRB: IRB 00023554

Principal Investigator: JoyceMitchell

Title: Using the "Information Rx" Process to Refer Parents of Newborns with Metabolic Conditions Identified by Screening to the Genetics Home Reference Web Site for Health Information

This Amendment Application (Info Rx Amendment Expanded Study 4/29/08) qualifies for an expedited review by a designated University of Utah IRB member according to University IRB policy. The designated IRB member has reviewed and approved your amendment request for this study on 5/14/2008. The approval of this amendment request does NOT change the expiration date of this research study as noted below.

Any future changes to this study must be submitted to the IRB prior to initiation via an amendment form.

APPROVED DOCUMENTS

Protocol Summary

Protocol Summary Expanded Study 5/5/08 clean

Informed Consent Document

Consent Form Expanded Study 4/29/08 clean

Surveys, etc.

Follow-up Survey Expanded Study 5/8/08 clean Initial Survey Expanded Study 5/5/08 clean

Other Documents

Reminder Letter #2 Expanded Study 4/29/08 clean Study Description Expanded Study 4/29/08 clean Reminder Email #2 Expanded Study 4/29/08 clean Reminder Letter #1 Expanded Study 4/29/08 clean Reminder Email #1 Expanded Study 4/29/08 clean **IRB:** IRB_00023554

Principal Investigator: JoyceMitchell

Title: Using the "Information Rx" Process to Refer Adult Patients and Parents of Children with Metabolic Conditions to the Genetics Home Reference Web Site for Health Information

This Amendment Application ('Info Rx' Amendment, Expanded Study Revised Survey, 5/23/08) qualifies for an expedited review by a designated University of Utah IRB member according to University IRB policy. The designated IRB member has reviewed and approved your amendment request for this study on 6/9/2008. The approval of this amendment request does NOT change the expiration date of this research study as noted below.

Any future changes to this study must be submitted to the IRB prior to initiation via an amendment form.

APPROVED DOCUMENTS

Surveys, etc.

Follow-up Survey, Expanded Study, Mod Q20, 6/6/08

Study Description

Title: Using the "Information Rx" Process to Refer Adult Patients and Parents of Children with Metabolic Conditions to the Genetics Home Reference Web Site for Health Information

Principal Investigator: Joyce A. Mitchell, PhD

Department of Biomedical Informatics

26 South 2000 East

HSEB Suite 5700, School of Medicine

University of Utah

Salt Lake City, UT 84112-5750

Purpose: To learn about patients and parents' reactions to getting an "information prescription" from their/their child's physician that directs them to a Web site where they may retrieve accurate and consumer-friendly health information about their/their child's metabolic condition, and their assessment of the information found on this site.

Criteria for eligibility:

- Parent/caregiver of a newborn or child under the age of 18 who has been diagnosed with at least one metabolic condition
- Patient age 18 or older who has been diagnosed with at least one metabolic condition
- Diagnosis was made by Nicola Longo, MD, PhD (or medical colleague) at the University of Utah Metabolic Clinic

Potential benefits of participation:

- Increased understanding about your/your child's medical condition
- Improved communication with your/your child's doctor

Time commitment involved:

- Completion of initial survey at the clinic (5 to 10 minutes)
- Exploration of GHR Web site on your own (variable time)
- Completion of online survey six weeks after the clinic visit (online survey should not take more than 30 minutes to complete)

Contact: Denise E. Beaudoin, MD, MSPH, MS, Department of Biomedical Informatics, University of Utah, phone: 801-581-4080

List of Metabolic Conditions*:

Argininosuccinic acidemia (ASA)

Beta ketothiolase deficiency (BKT)

Biotinidase deficiency (BIOT)

Carnitine uptake defect (CUD)

Citrullinemia (CIT)

Classical galactosemia (GALT)

Glutaric acidemia type 1 (GA I)

Homocystinuria (due to CBS deficiency) (HCY)

3-hydroxy 3-methyl glutaric aciduria (HMG)

Isovaleric acidemia (IVA)

Long-chain 3-hydroxy acyl-CoA dehydrogenase deficiency (LCHAD)

Maple syrup disease (MSUD)

Medium-chain acyl-CoA dehydrogenase deficiency (MCAD)

3-Methylcrotonyl-CoA carboxylase deficiency (3MCC)

Methylmalonic acidemia (Cbl A,B)

Methylmalonic acidemia (mutase deficiency) (MUT)

Multiple carboxylase deficiency (MCD)

Phenylketonuria (PKU)

Propionic acidemia (PROP)

Trifunctional protein deficiency (TFP)

Tyrosinemia type I (TYR I)

Very long-chain acyl-CoA dehydrogenase deficiency (VLCAD)

^{*} Other metabolic conditions may also be included

Consent and Authorization Document

BACKGROUND

You are being asked to take part in a research study. Before you decide, it is important for you to understand why the research is being done and what it will involve. Please take time to read the following information carefully and discuss it with friends and relatives if you wish. Ask the research doctor or staff if there is anything that is not clear or if you would like more information. Take time to decide whether or not to volunteer to take part in this research study.

The purpose of the study is to learn about your reaction to getting an "information prescription" from your/your child's doctor that contains the address of a Web site with information about your/your child's medical condition, and your assessment of the information you find on this Web site. This study is being conducted by researchers in the Biomedical Informatics and Pediatrics Departments at the University of Utah and the National Library of Medicine's National Network of Libraries of Medicine.

STUDY PROCEDURES

If you decide to participate in this study, you will be asked to complete two surveys. The first survey will be completed by you after your clinic visit with Dr. Nicola Longo at the Metabolic Clinic located at Primary Children's Medical Center. This survey (Web-based or paper-and-pencil depending upon the availability of Internet access at the Clinic) will ask about your computer use and some demographics (such as your age, gender, etc.) and should take you no more than 10 minutes to complete. You will then be asked to visit the Genetics Home Reference (GHR) Web site on your own using the information written on the "Information Prescription" that you receive from Dr. Longo or one of his colleagues. Three weeks after your clinic visit, you will receive a letter in the mail and an e-mail if you have an e-mail address reminding you to visit the GHR Web site. Six weeks after your clinic visit, you will receive another letter and e-mail, asking you to go to the GHR Web site to complete an online survey about your experience. The online survey will consist of 30 questions. You will be asked to complete this survey at one sitting. This survey should take no more than 30 minutes to complete. The total length of time that you will be involved in this study is approximately six weeks.

RISKS

A breach of confidentiality is possible; however, every effort will be made by the researchers to keep any information that you provide confidential.

BENEFITS

We cannot promise any benefits to you from your being in the study. However, possible benefits may include increased understanding about your/your child's medical condition and improved communication with your/your child's doctor. You will receive a summary report of the study results.

CONFIDENTIALITY

Results of the study may be published; however, your name and other identifying information will be kept private. We will keep all research records that identify you private to the extent allowed by law. Records about you will be kept in locked filing cabinets, or on computers protected with passwords. Only those who work with this study will be allowed access to your information.

PERSON TO CONTACT

If you have questions, complaints or concerns about this study, you can contact Dr. Denise Beaudoin at 801-581-4080. If you think you may have been injured from being in this study, please call Dr. Denise Beaudoin at 801-581-4080 during the day from 9 am to 5 pm, Monday through Friday.

INSTITUTIONAL REVIEW BOARD

Contact the Institutional Review Board (IRB) if you have questions regarding your rights as a research participant. Also, contact the IRB if you have questions, complaints or concerns which you do not feel you can discuss with the investigator. The University of Utah IRB may be reached by phone at (801) 581-3655 or by e-mail at irb@hsc.utah.edu.

RESEARCH-RELATED INJURY

If you are injured from being in this study, medical care is available to you at the University of Utah as it is to all sick or injured people. The University of Utah does not have a program to pay you if you are hurt or have other bad results from being in the study. The costs for any treatment or hospital care would be charged to you or your insurance company (if you have insurance), to the study sponsor or other third party (if applicable), to the extent those parties are responsible for paying for medical care you receive. Since this is a research study, some health insurance plans may not pay for the costs.

The University of Utah is a part of the government. If you are injured in this study, and want to sue the University or the doctors, nurses, students, or other people who work for the University, special laws may apply. The Utah Governmental Immunity Act is a law that controls when a person needs to bring a claim against the government, and limits the amount of money a person may recover. See Section 63-30d-101 through 63-30d-904 of the Utah Code.

VOLUNTARY PARTICIPATION

It is up to you to decide whether or not to take part in this study. If you decide to take part you are still free to withdraw at any time and without giving a reason. Refusal to participate or the decision to withdraw from this study will involve no penalty or loss of benefits to which you are otherwise entitled. If you don't take part, you can still receive all standard care that is available to you. This will not affect the relationship you have with your doctor or other staff, nor decrease the standard of care that you receive as a patient.

UNFORESEEABLE RISKS

None.

COSTS AND COMPENSATION TO PARTICIPANTS

There are no costs to you if you decide to participate in this study. You will not be compensated for your time.

NUMBER OF PARTICIPANTS

We expect to enroll from 60 to 120 participants from among the adult patients and the parents/caregivers of newborns/children under the age of 18 who have been diagnosed with at least one metabolic condition by Dr. Nicola Longo at the Metabolic Clinic located at Primary Children's Medical Center. This is a pilot study; the results obtained in Utah may influence whether this study is undertaken by researchers in other states.

AUTHORIZATION FOR USE OF YOUR PROTECTED HEALTH INFORMATION

Signing this document means you allow us, the researchers in this study, and others working with us to use information about your health for this research study. You can choose whether or not you will participate in this research study. However, in order to participate you have to sign this consent and authorization form.

This is the information we will use:

- Your name
- Your current age
- Your date of birth
- Your gender
- Your highest level of education
- Your race/ethnicity
- Your street address, city, state and zip code
- Your telephone numbers (home and cell if available)
- Your e-mail address (if you have one)
- Your role in your child's medical care (if applicable)
- The name of your child (if applicable)
- The birth date of your child (if applicable)
- The name of your/your child's physician
- The name of your/your child's metabolic condition
- The date of your/your child's diagnosis for this metabolic condition

Others who will have access to your information for this research project are the University's Institutional Review Board (the committee that oversees research studying people) and authorized members of the University of Utah Health Sciences Center and Primary Children's Hospital who need the information to perform their duties (for example: to provide treatment, to ensure integrity of the research, and for accounting or billing matters).

If we share your information with anyone outside the University of Utah Health Sciences Center or the Metabolic Clinic located at Primary Children's Medical Center, you will not be identified by name, social security number, address, telephone number, or any other information that would directly identify you, unless required by law.

You may revoke this authorization. **This must be done in writing.** You must either give your revocation in person to the Principal Investigator or the Principal Investigator's staff, or mail it to Joyce Mitchell, PhD, Professor and Chair, Dept of Biomedical Informatics, 26 South 2000 East, HSEB suite 5700, School of Medicine, University of Utah, Salt Lake City, UT 84112-5750. If you revoke this authorization, we will not be able to collect new information about you, and you will be withdrawn from the research study. However, we can continue to use information we have already started to use in our research, as needed to maintain the integrity of the research. This authorization does not have an expiration date.

CONSENT

I confirm that	I have read	this consent a	nd authorization	n document and	have had the	opportunity
to ask questio	ns. I will be	given a signed	d copy of the co	nsent and author	rization form t	o keep.

I agree to take part in this research study and authorize you to use and disclose health information about me for this study, as you have explained in this document.

Participant's Name	
Participant's Signature	Date
Name of Person Obtaining Authorization and Consent	
Signature of Person Obtaining Authorization and Consent	Date

Using the "Information Rx" Process to Refer Adult Patients and Parents of Children with Metabolic Conditions to the Genetics Home Reference Web Site for Health Information

Initial Parent Survey

Please select one answer to each of the following questions:

1.		w frequently do you look up sources of medical information? Very frequently Somewhat frequently Neither frequently nor infrequently Somewhat infrequently Very infrequently
	ctor	w frequently do you discuss the medical information that you look up with your/your child's ? Very frequently Somewhat frequently Neither frequently nor infrequently Somewhat infrequently Very infrequently
3.	disc	you find it easy or difficult to understand the medical issues that your/your child's doctor cusses with you? Very easy Somewhat easy Neither easy nor difficult Somewhat difficult Very difficult
	mph	you find it easy or difficult to read health information on a computer compared to a book or nlet? Very easy Somewhat easy Neither easy nor difficult Somewhat difficult Very difficult
5.		ere is the location of the nearest computer you can use? At home At the office At a school At a public library At a hospital library At another family member's location Other (please fill in):
6. an	d us	average, about how many hours a day (both at home and work) do you check for email se the Internet for all other purposes? 0 to 1 hour 2 to 4 hours 5 to 6 hours More than 6 hours

Info	Had you ever visited the Genetics Home Reference Web site prior to receiving the rmation Prescription from your/your child's doctor today? ☐ Yes ☐ No ☐ Don't know
site	If yes, approximately how many times have you visited the Genetics Home Reference Web? Once Twice Three to five times More than five times I have visited the site before but don't know how many times I have never visited the Genetics Home Reference Web site
	How did you first learn about the Genetics Home Reference Web site? From my/my child's doctor at today's clinic visit From another doctor From the staff in my/my child's doctor's office From an ad From friends and family From an Internet search From a local librarian From either a newspaper or a local radio/television station Other (please fill in):
Ple	ase tell us if you agree or disagree with the following statement:
Ref	I think receiving a prescription from my/my child's doctor to visit the Genetics Home erence Web site for more information is a good idea. Strongly agree Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree
11.	Did you receive enough information today from your/your child's doctor to feel comfortable about using the Genetics Home Reference Web site? ☐ Yes ☐ No ☐ Don't know
	d like to know a little more about you and your childPlease go directly to question fyou are completing this survey about yourself.
12.	What is your child's name?
	What is your child's date of birth? For example, if your child was born on March 5, 2008 you ald enter 03/05/2008.

14. What is your role in this child's medical care?	
□ Parent □ Guardian/caretaker	
☐ Other (please explain):	
15. What is the name of your child's physician?	
16. What is your name?	
17. What is your age?	
18. What is your date of birth? For example, if you were born on March 5, 2008 you 03/05/2008.	ı would enter
19. What is your gender?	
□ Male□ Female	
20. Which of the following best describes the highest level of education you have completed?	
☐ Did not complete high school	
High school graduate or equivalent (GED)Some college or vocational school	
☐ College graduate	
Some postgraduate schoolGraduate/professional degree	
21. Which of the following best describes your race/ethnicity?	
☐ American Indian or Alaskan Native	
☐ Asian or Pacific Islander	
□ Black not of Hispanic origin□ Hispanic	
☐ White not of Hispanic origin	
☐ Other (please describe):	

We will contact you in three weeks to remind you to visit the Genetics Home Reference Web site and again in six weeks to remind you to complete the online survey. Please provide us with your home mailing address, telephone number(s) and e-mail address.

22. V	What is your street address?
23.	Which city do you live in?
	Which state do you live in? ☐ Utah ☐ Idaho ☐ Wyoming ☐ Other (please fill in):
25.	What is your 5 digit zip code?
	What is your home telephone number (including area code)? example, 801-332-9245.
	What is your cell phone number if you have one (including area code)? example, 801-332-9245.
28.	What is your e-mail address if you have one?
F	This completes the survey. The remaining two questions are for office use only. For office use only: Assigned ID#: Date of survey completion:

Thank you very much for completing this survey. Your feedback is very important to us as it will help improve the Genetics Home Reference Web site.

Using the "Information Rx" Process to Refer Adult Patients and Parents of Children with Metabolic Conditions to the Genetics Home Reference Web site for Health Information

Patient Follow-up Survey

ID#_	——
	am answering the questions in this survey: About myself About a child in my care
(P	or which condition(s) did you/your child receive a confirmed diagnosis? lease check all that apply) 1 Argininosuccinic acidemia (ASA) 1 Beta ketothiolase deficiency (BKT) 1 Biotinidase deficiency (BIOT) 1 Carnitine uptake defect (CUD) 1 Citrullinemia (CIT) 1 Classical galactosemia (GALT) 1 Glutaric acidemia type 1 (GA I) 1 Homocystinuria (due to CBS deficiency) (HCY) 1 3-hydroxy 3-methyl glutaric aciduria (HMG) 1 Isovaleric acidemia (IVA) 1 Long-chain 3-hydroxy acyl-CoA dehydrogenase deficiency (LCHAD) 1 Medium-chain acyl-CoA dehydrogenase deficiency (MCAD) 2 Medium-chain acyl-CoA dehydrogenase deficiency (MCAD) 3 Methylrotonyl-CoA carboxylase deficiency (3MCC) 1 Methylmalonic acidemia (CbI A,B) 1 Methylmalonic acidemia (mutase deficiency) (MUT) 1 Multiple carboxylase deficiency (MCD) 1 Phenylketonuria (PKU) 1 Propionic acidemia (PROP) 1 Trifunctional protein deficiency (TFP) 1 Tyrosinemia type I (TYR I) 1 Very long-chain acyl-CoA dehydrogenase deficiency (VLCAD) 1 Other: 1 Don't know Please go directly to question 4. 1 My child had a positive screening test but was not ultimately diagnosed with one of the above conditions (false positive test) Please go directly to question 4.
	/hen were you/was your child <u>first</u> diagnosed with the above condition(s)? For example, if you were/your child was first diagnosed on April 3, 2008, you would enter: 04/03/2008. If you can't remember the exact date, please provide your best estimate. mm dd yyyy
sii C	proximately how many times have you visited the Genetics Home Reference Web site nce you received the 'Information Prescription' from your doctor? Only once Twice Three to five times More than five times I have visited the site but don't know how many times

If you have <u>never</u> visited the Genetics Home Reference Web site, please go directly to question 27.

	to	erall, was the information within the Genetics Home Reference Web site easy or difficult understand? Very easy Somewhat easy Neither easy nor difficult Somewhat difficult Very difficult
6.	to	erall, how helpful was the information on the Genetics Home Reference Web site relating your/your child's condition(s)? Very helpful Somewhat helpful Neither helpful nor unhelpful Somewhat unhelpful Very unhelpful
7.	Ref	Has improved my understanding of an illness or health condition Has influenced, or may influence, future health decisions for myself or my child
Fo	r qu	uestions 8 through 11, please rate your level of agreement with the statement:
8.	do do	ust the information on the Genetics Home Reference Web site because my/my child's octor prescribed it. Strongly agree
		Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree
9.	A h	Neither agree nor disagree Somewhat disagree

The information I received on the Genetics Home Reference Web site added to what doctors told me about my/my child's condition. Strongly agree Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree
Overall, how satisfied were you with the health information you found on the Genetics Home Reference Web site? Very satisfied Somewhat satisfied Neither satisfied nor dissatisfied Somewhat dissatisfied Very dissatisfied
Was it easy or difficult to find the information you were seeking? □ Very easy □ Easy □ Neither easy nor difficult □ Difficult □ Very difficult
Did you notice any missing information about your/your child's metabolic condition in the Genetics Home Reference Web site? ☐ Yes ☐ No ☐ Don't remember
If you selected "No" or "Don't remember" please go directly to question 18.
. If yes, please let us know briefly what information was missing when you searched for information on the Genetics Home Reference Web site. (Please write your comments below)

17.	(Pi	I you use these Internet sources to fill in the missing information? ease check all that apply) The WebMD.com Web site The MedlinePlus.gov Web site The MSN Health Web site The Genetic Alliance Web site The Ask the Geneticist Web site The Madisons Foundation Web site The March of Dimes Web site None of the above
18.		ease tell us how frequently you visited each of the following when you used the netics Home Reference Web site:
		w frequently did you visit pages that focus on a single genetic condition? Very frequently Frequently Neither frequently nor infrequently Infrequently Very infrequently Did not use
		w frequently did you visit pages that focus on a particular gene? Very frequently Frequently Neither frequently nor infrequently Infrequently Very infrequently Did not use
		w frequently did you visit pages that focus on a particular chromosome? Very frequently Frequently Neither frequently nor infrequently Infrequently Very infrequently Did not use
	info	w frequently did you visit the 'Help Me Understand Genetics Handbook' (background ormation about genetics, including inheritance, genetic counseling)? Very frequently Frequently Neither frequently nor infrequently Infrequently Very infrequently Did not use
		w frequently did you visit the definitions of glossary terms? Very frequently Frequently Neither frequently nor infrequently Infrequently Very infrequently Did not use

□ Very f □ Frequ □ Neithe □ Infreq	er frequently nor infrequently uently nfrequently
site? "Gene" "Chro" "Hand "Gloss	sary"
20. Please a	answer yes or no to the following questions.
Within the G	enetics Home Reference Web site:
"Genetic (□ Yes □ No	cources" (with links to other online genetic resources) more helpful to you than Conditions" (information about a single genetic condition)? ot use area(s)
"Genes" (i □ Yes □ No	ources" (with links to other online genetic resources) more helpful to you than nformation about a particular gene)? ot use area(s)
"Chromos □ Yes □ No	sources" (with links to other online genetic resources) more helpful to you than somes" (information about a particular chromosome)? ot use area(s)
"Handbool □ Yes □ No	ources" (with links to other online genetic resources) more helpful to you than the k"? ot use area(s)
"Glossary' □ Yes □ No	ces" (with links to other online genetic resources) more helpful to you than the creative of use area(s)

21		nong the links to resources that provide other genetic information and organizations side of the Genetics Home Reference Web site, which site was most helpful to you? The WebMD.com Web site The MedlinePlus.gov Web site The MSN Health Web site The Genetic Alliance Web site The Ask the Geneticist Web site The Madisons Foundation Web site The March of Dimes Web site None of the above
22.	Ple	ease rate your level of agreement with the following statements:
	site	e Genetics Home Reference Web site was more helpful to me than the WebMD.com Web Strongly agree Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree Did not use
	site	Genetics Home Reference Web site was more helpful to me than the MedlinePlus.gov Web Strongly agree Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree Did not use
		Genetics Home Reference Web site was more helpful to me than the MSN Health Web site. Strongly agree Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree Did not use
	site	Genetics Home Reference Web site was more helpful to me than the Genetic Alliance Web Strongly agree Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree Did not use
	Wel	The Genetics Home Reference Web site was more helpful to me than the Ask the Geneticist b site. Strongly agree Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree Did not use

	Wel	Genetics Home Reference Web site was more helpful to me than the Madisons Foundation o site. Strongly agree Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree Strongly disagree Did not use
	site.	Genetics Home Reference Web site was more helpful to me than the March of Dimes Web Strongly agree Somewhat agree Neither agree nor disagree Somewhat disagree Strongly disagree Did not use
23		ow likely are you to use the Genetics Home Reference Web site again? Very likely Likely Neither likely nor unlikely Unlikely Very unlikely
24		w likely are you to recommend the Genetics Home Reference Web site to others? Very likely Likely Neither likely nor unlikely Unlikely Very unlikely
25		ase let us know what area, or link, you found the most helpful when you used the netics Home Reference Web site. (Please write your comments below)
26	. Ple	ase feel free to add other comments about the Genetics Home Reference Web site:

Please skip questions 27 and 28 and go directly to <u>question 29</u>. (Questions 27 and 28 are intended to be answered by those who have <u>never</u> visited the Genetics Home Reference Web site.)

27.	re	you have NEVER visited the Genetics Home Reference Web site, please tell us the ason(s). (Please check all that apply) I do not have access to a computer and the Internet I do not use the Internet because it is too complicated It's difficult for me, at times, to understand written health information English is not my first language I prefer another Internet source for health information rather than the Genetics Home Reference Web site
		It's upsetting to read about an illness that affects me/my child I already know enough about the medical issues my/my child's doctor asked me to look up What the doctors tell me is sufficient It's just not my nature to read about medical issues I forgot I have not had time Other: (Please fill in)
28.	ma * p * h * d □	build it increase your interest in using the Genetics Home Reference Web site to know that any local libraries will: rovide free access to the Internet for patients who do not have their own computers, elp patients locate health information using the Genetics Home Reference Web site, emonstrate the Genetics Home Reference Web site to you? Very much Somewhat Not at all
29.		you use any of the following health information resources? (Please check all that apply) Health care providers Friends and/or family members Other Web sites (please list): Medical journals Print media (newspapers/magazines) Radio/television programs Other (please list):
30.	abo	d you search on any of the following Internet services to find health information out your/your child's condition? (Please check all that apply) Yahoo Google AOL Answers.com Other Internet services None of the above
31.	ar Re □	ompared to <u>all other</u> health information sources you use at this time (regardless if they e or are not located on the Internet) how frequently will you use the Genetics Home eference Web site in the future? Very frequently Frequently Neither frequently nor infrequently Infrequently Very infrequently Never

Thank you very much for taking the time to complete this survey about the Genetics Home Reference Web site. Your feedback will help improve the site.