

# Family History and Genomics Questions from State-Added BRFSS Modules Updated October 2011

Compiled by the University of Washington Center for Genomics & Public Health

## Introduction

### Compiled genomics survey questions

At the request of our state partners in 2006, a summary document of all genomics and family-history questions used in Behavioral Risk Factor Surveillance System (BRFSS) from 1996 to 2006 was compiled for reference. This is our 2<sup>nd</sup> update of the compilation and includes data from 1996 to 2011. If we have missed any questions, or if you have suggestions for this compilation, please contact us. Email: [cgph@u.washington.edu](mailto:cgph@u.washington.edu)

### How to use this tool

Survey questions are grouped together by state and then according to year. In the Table of Contents, they are listed by state and category.

### Why is data from survey questions important?

Results from these questions can provide vital information towards quantifying the health impact of family history strategies. This evidence is important to public health practitioners in order to establish policies and best practices for collecting and using family history information.

Answers to these questions can be revealing:

- If results show a positive family history of a disease, then that translates to a prevalence of disease in populations or specific groups.
- If results show that people accurately collected family history information from family members, then this translates to how much the public is aware of family history as a risk factor in disease.
- If results show that a public health provider discussed an inherited risk of disease with them, then this information can be used to track provider practices around collecting family history information.
- If results show that people perceived themselves to be at high risk of disease, then this means we can better understand patients' perception of disease risk.
- If results show that the public has made lifestyle changes to reduce risk, then we can better investigate beliefs about modifiable risk factors and tailor public health promotion programs to respond to those beliefs.

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## University of Washington's Center for Genomics and Public Health

### Compilation of BRFSS State-Added Questions on Family History and Genomics

<b>California</b>	
Category: Diabetes	
2009	Question: Have you ever been told by a medical professional that you are at risk for diabetes?
	Question: Which if any of your biological family members ever had diabetes? Aunt/Uncle/Nephew/Great Grandparents
	Question: Which if any of your biological family members ever had diabetes? Grandparent/Grandchildren
	Question: Which if any of your biological family members ever had diabetes? Other
	Question: Which if any of your biological family members ever had diabetes? Daughter
	Question: Which if any of your biological family members ever had diabetes? None
2008	Question: Have you ever been told by a medical professional that you are at risk for diabetes?
2007	Question: Which if any of your biological family members ever had diabetes? Other
	Question: Which if any of your biological family members ever had diabetes? Daughter
	Question: Which if any of your biological family members ever had diabetes? None
	Question: Which if any of your biological family members ever had diabetes? Aunt/Uncle/Nephew/Great Grandparents
	Question: Which if any of your biological family members ever had diabetes? Grandparent/Grandchildren
	Question: Has a doctor nurse or other health professional ever said that you have any of the following health problems? Lung problems including asthma Heart problems Diabetes Kidney problems Weakened immune system caused by a chronic illness such as cancer or HIV/AIDS or medicines such as steroids -or- Sickle cell anemia or other anemia
Question: How many other members of your household had an illness similar to yours during the past month?	

<b>Connecticut</b>	
Category: DTC Tests	
2009	Question: Have you heard or read [anything] about these tests? such as 23andMe deCODEme and Navigenics
	Question: From which of the following sources did you first hear or read anything about these tests?
	Question: Have you ever had one of these tests?
	Question: Did you discuss the results with your health care provider?
Category: Genetic Testing	
2010	Question: A genetic test looks at a person's blood or saliva to find differences in genes that might cause disease in the future. How interested are you in having a genetic test that could tell you about your chances of developing a disease?
2008	Question: How would you describe your overall knowledge about genetic testing for breast and ovarian cancer?
	Question: Have you seen or heard an advertisement about a genetic test to determine a woman's risk for breast or ovarian cancer in the past 6 months?
Category: Heart Disease	
2006	Question: To the best of your knowledge do you have a parent brother or sister or child related by blood who has been diagnosed with heart disease by a health care provider?
	Question: Has your doctor nurse or other health care provider collected information from you about your family history of heart disease?
	Question: If you learned that you had a family history of heart disease how likely would you be to make lifestyle changes to try and prevent yourself from getting heart disease? Lifestyle changes might include changing your diet exercising more or stopping smoking. Would you say that you would be:
2004	Question: To the best of your knowledge, do you have a parent, brother or sister, or child related by blood, who has been diagnosed with heart disease by a health care provider?
	Question: Has your doctor, nurse, or other health care provider collected information from you about your family history of heart disease?
	Question: If you learned that you had a family history of heart disease, how likely would you be to make lifestyle changes to try and prevent yourself from getting the disease? Lifestyle changes might include changing your diet, exercising more, stopping smoking, and getting more routine health tests or medical tests. Would you say that you would be:

Category Knowledge of Family History	
2011	Question: How important do you think knowledge of your family health history is to your personal health?
	Question: Have you ever collected health information from your relatives for the purpose of developing your family health history?
	Question: Have you shared your personal record of your family health history with your doctor or health care provider?
2004	Question: Have you shared your personal record of your family health history with any family members?
	Question: How likely do you think it is that family history or genetics helps to cause the following health conditions? - Diagnosed Conditions
	Question: How likely do you think it is that family history or genetics helps to cause the following health conditions? Birth Defects
	Question: How likely do you think it is that family history or genetics helps to cause the following health conditions? Cancer
	Question: How likely do you think it is that family history or genetics helps to cause the following health conditions? Heart Disease
	Question: How likely do you think it is that family history or genetics helps to cause the following health conditions? Learning disabilities
	Question: How likely do you think it is that family history or genetics helps to cause the following health conditions? Multiple Sclerosis
	Question: How likely do you think it is that family history or genetics helps to cause the following health conditions? Diabetes
	Question: How likely do you think it is that family history or genetics helps to cause the following health conditions? Arthritis
	Question: How likely do you think family history or genetics helps to cause the following health conditions? a. Asthma, b. Birth defects, c. Cancer, d. Heart Disease, e. Learning Disabilities, f. Multiple Sclerosis, g. Diabetes, h. Arthritis
Category Genetic Policy	
2010	Question: How concerned are you that life insurance companies might use genetic test results to determine life insurance coverage and costs?
	Question: How important do you think it is to have laws that prevent genetic test results from being used to determine life insurance coverage and costs?
	Question: Have you heard about laws that prevent genetic test results from being used to determine health insurance coverage and costs? One such law is called GINA or the Genetic Information Nondiscrimination Act.

<b>Colorado</b>	
Category Prostate Cancer	
1999	Question: Has your father any of your brothers or any of your sons had prostate cancer (biological father brothers or sons) ?

<b>Indiana</b>	
Category Colorectal Cancer	
2006	Question: How many of your close blood relatives (parents/ sisters/ brothers/children) have had cancer of the colon or rectum?
	Question: Did this relative/did any of these relatives have cancer of the colon or rectum before they were 60 years?
Category Breast Cancer	
2004	Question: Do you have a blood relative (mother/sister/daughter/grandmother/aunt) that has been diagnosed with breast cancer?
Category Prostate Cancer	
2004	Question: Do you have a blood relative (brother or father) that was diagnosed with prostate cancer?

<b>Iowa</b>	
Category	Colorectal Cancer
2011	Question: A person's gender is considered a risk factor for developing colorectal cancer. Would you say...
	Question: A person's race or ethnicity is considered a risk factor for developing colorectal cancer. Would you say'
	Question: Colorectal cancer in a blood relative is considered a risk factor for developing colorectal cancer. Would you say:
	Question: If you have not been screened for colorectal cancer what has kept you from being screened?
	Question: What is the main reason you did not have the test?
2010	Question: A person's gender is considered a risk factor for developing colorectal cancer. Would you say...
	Question: A person's race or ethnicity is considered a risk factor for developing colorectal cancer. Would you say'
	Question: Colorectal cancer in a blood relative is considered a risk factor for developing colorectal cancer. Would you say:
	Question: If you have not been screened for colorectal cancer what has kept you from being screened?
	Question: What is the main reason you did not have the test?
2009	Question: A person's gender is considered a risk factor for developing colorectal cancer. Would you say...
	Question: A person's race or ethnicity is considered a risk factor for developing colorectal cancer. Would you say'
	Question: Colorectal cancer in a blood relative is considered a risk factor for developing colorectal cancer. Would you say:
	Question: If you have not been screened for colorectal cancer what has kept you from being screened?
	Question: What is the main reason you did not have the test?
2008	Question: A person's gender is considered a risk factor for developing colorectal cancer. Would you say...
	Question: A person's race or ethnicity is considered a risk factor for developing colorectal cancer. Would you say'
	Question: Colorectal cancer in a blood relative is considered a risk factor for developing colorectal cancer. Would you say:
	Question: If you have not been screened for colorectal cancer what has kept you from being screened?
	Question: What is the main reason you did not have the test?
2007	Question: A person's gender is considered a risk factor for developing colorectal cancer. Would you say...
	Question: A person's race or ethnicity is considered a risk factor for developing colorectal cancer. Would you say'
	Question: Colorectal cancer in a blood relative is considered a risk factor for developing colorectal cancer. Would you say:
	Question: What is the main reason you did not have a blood stool test using a home kit?
	Question: What is the main reason you did not have a sigmoidoscopy or colonoscopy?
Category	Diabetes
2007	Question: Which of the following family members if any have been told by a doctor that they have diabetes? Include only blood relatives. Do not include adoptive or those related only by marriage.

<b><u>Kansas</u></b>		
Category	Diabetes	
2010	Question:	Which of the following family members if any have been told by a doctor that they have diabetes? Include only blood relatives. Do not include adoptive or those related by marriage.
2009	Question:	Which of the following family members if any have been told by a doctor that they have diabetes? Include only blood relatives. Do not include adoptive or those related by marriage.
2008	Question:	Which of the following family members if any have been told by a doctor that they have diabetes? Include only blood relatives. Do not include adoptive or those related by marriage.
2007	Question:	Which of the following family members if any have been told by a doctor that they have diabetes? Include only blood relatives. Do not include adoptive or those related by marriage.
2006	Question:	Which of the following family members if any have been told by a doctor that they have diabetes? Include only blood relatives. Do not include adoptive or those related by marriage.

<b><u>Maryland</u></b>		
Category	Knowledge of Family History	
1999	Question:	Did your mother and/or sister develop breast cancer before the age of 50?

<b><u>Massachusetts</u></b>		
Category	Cancer	
2008	Question:	Have you ever asked family members about or been told by family members about the history of cancer in your family?
	Question:	Have you ever told your health care provider about the history of cancer in your family?
2007	Question:	When you told your health care provider about the history of cancer in you family did you include your grandparents and your great aunts and uncles?
	Question:	Have you ever told your health care provider about the history of cancer in your family?
2006	Question:	When you told your health care provider about the history of cancer in you family did you include your grandparents and your great aunts and uncles?
Category	Knowledge of Family History	
2001	Question:	Have you ever been told by a doctor or other health professional that you are at greater risk for a disease of genetics or family history?
Category	Diabetes	
2011	Question:	To your knowledge have any of your first degree blood relatives such as parents brothers or sisters had diabetes?
2010	Question:	To your knowledge have any of your first degree blood relatives such as parents brothers or sisters had diabetes?
2009	Question:	To your knowledge have any of your first degree blood relatives such as parents brothers or sisters had diabetes?
2008	Question:	To your knowledge have any of your first degree blood relatives such as parents brothers or sisters had diabetes?
2007	Question:	Do you have or have you had blood relatives who were diagnosed with diabetes after the age of thirty?

<b>Michigan</b>	
Category	Knowledge of Family History
2011	Question: Have you ever actively collected information from you relatives for the purposes of developing a family health history?
	Question: Have you ever recorded your family health history for future reference? Examples would include writing it down on paper or saving it to your computer.
	Question: Have you ever shared your collected family health history with a doctor or other health care provider?
	Question: How important do you think your family's health history is to your personal health? Would you say:
	Question: Has a doctor or other health care provider ever asked you about your family history of cancer including times when you were asked to fill out a form?
2010	Question: Have you ever recorded your family health history for future reference? Examples would include writing it down on paper or saving it to your computer.
	Question: Have you ever shared your collected family health history with a doctor or other health care provider?
	Question: How important do you think your family's health history is to your personal health? Would you say:
	Question: Has a doctor or other health care provider ever asked you about your family history of cancer including times when you were asked to fill out a form?
2005	Question: Have you ever actively collected health information from your relatives for purposes of developing a family health history?
	Question: How important do you think knowledge of your family's health history is to your personal health?
2004	Question: The next questions are about your medical family history. This would include the diseases and health problems of your parents, grandparents, brothers, and sisters. Has a doctor or other health care professional ever asked you to fill out a form or personally asked you about your medical family history?
	Question: Did the doctor or health care professional then discuss with you your risk for certain diseases or health problems based on your family history?
	Question: Did the doctor or health care professional make any recommendations to you based on your family history?
	Question: Did they recommend that you
	Change your diet
	Exercise more
	Stop smoking
	Take medication
	Have routine health tests (for screening)
	Something else (specify)
	No other responses
	Don't know
	Refused
Category	Cancer
2011	Question: Have you ever received genetic counseling for cancer? This would include a conversation with an expert about your hereditary risk of cancer.
	Question: Have you ever had a blood test to determine your hereditary risk for cancer? A doctor would have ordered this test and you would have received the results.
2010	Question: Have you ever received genetic counseling for cancer? This would include a conversation with an expert about your hereditary risk of cancer.
	Question: Have you ever had a blood test to determine your hereditary risk for cancer? A doctor would have ordered this test and you would have received the results.

Category Colorectal Cancer	
2010	Question: Have you heard of a genetic test that would determine if the colorectal cancer in your family was inherited?
	Question: The next two questions also refer to genetic testing for colorectal cancer. There are several different genetic tests available to determine if the colorectal cancer in your family was inherited. For individuals with colorectal cancer, these tests can be performed on cancer tissue and/or blood samples. For family members without colorectal cancer, these tests would be performed on blood samples only. To your knowledge, did you or any of your parents, brothers, sisters or children have a genetic test to determine if the colorectal cancer in your family was inherited?
	Question: Who was it that had the genetic test?
	Question: How likely would you be to have a genetic test to determine if the colorectal cancer in your family was inherited?
2005	Question: Have any of your immediate family members including your parents, brothers and sisters, and your children, ever been told by a doctor that they have colon or rectal cancer?
	Question: What is their relationship to you? (Interviewer instructions: If respondent has multiple family members with colon or rectal cancer, please code as other and specify. If respondent reports step-parent, half-sibling, step-child with colon or rectal cancer, please code as other and specify.)
	Question: Do you think your chances are of getting cancer of the colon or rectum in your lifetime?
	Question: After your family member was diagnosed with colon or rectal cancer, did you make any lifestyle changes to try and prevent yourself from getting the disease, such as changing your diet, exercising more, stopping smoking, or getting more routine health tests or medical tests?
	Question: If you learned that you had a family history of colon or rectal cancer, how likely would you be to make lifestyle changes to try and prevent yourself from getting the disease? Lifestyle changes might include changing your diet, exercising more, stopping smoking, and getting more routine health tests or medical tests. Would you say that you would be:
Category Genetic Testing and Newborn Screening	
2011	Question: The next question is about sickle cell trait sickle cell disease and thalassemia which are inherited blood disorders that can be diagnosed by a blood test at birth or later in life. Have you ever been told that you had sickle cell trait sickle cell disease or thalassemia?
2010	Question: Have you ever heard or read anything about Michigan's statewide Newborn Screening Program to test babies for many serious yet treatable medical conditions?
	Question: As you may know this screening helps to find babies with conditions that benefit from early treatment such as cystic fibrosis sickle cell disease and PKU. A few drops of blood referred to as blood spots are taken from a baby's heel shortly after birth. After screening is completed the remaining dried blood spots are stored indefinitely unless the parents request otherwise. In the past 12 months have you heard or read anything about the Michigan Biotrust for Health a program that uses these dried blood spots for health research?
Category Genetic Policy	
2010	Question: The next questions refer to genetic tests that tell you about your chance of developing a disease in the future. A genetic test looks at a person's blood or saliva to find differences in genes that might cause disease in the future. How interested are you in having a genetic test that could tell you about your chances of developing a disease?
	Question: How concerned are you that life insurance companies might use genetic test results to determine life insurance coverage and costs? Would you say:
	Question: How important do you think it is to have laws that prevent genetic test results from being used to determine life insurance coverage and costs? Would you say:
	Question: The next question is about health insurance and genetic tests. Health insurance pays for medical expenses. Have you heard about laws that prevent genetic tests from being used to determine health insurance coverage and costs? One such law is called GINA or the Genetic Information Nondiscrimination Act.

Category	Heart Disease	
2007	Question:	Next, I'm going to ask about sudden cardiac death, or sudden unexplained death. This occurs when a young, appar-ently healthy person dies suddenly from a cardiac arrest or from an unknown cause. How many of your biological family members have had a sudden cardiac death, or sudden unexplained death, between the ages of <u>1</u> and <u>39</u> ?
	Question:	What was their relationship to you?
Category	DTC	
2010	Question:	Several companies, such as 23andMe, deCODEme, and Navigenics, are advertising genetic tests that examine a person's entire genetic makeup for health risks. You can order these tests directly, without the involvement of a healthcare provider. Have you heard or read anything about these tests?
	Question:	From which of the following sources did you first hear or read anything about these tests? Newspaper   Magazine   TV or radio   Health professional   Internet   Family member   Friend   Other (specify)
	Question:	Have you had one of these tests?
	Question:	Did you discuss the results with your health care provider?
2006	Question:	Some companies are advertising new ways to improve your health by testing a sample from the inside of your cheek. This sample is mailed directly to the company without involving a doctor, nurse, or other health care professional. A few weeks later, the company provides you with a personal health profile and lifestyle recommendations based on their findings. In the past 12 months, have you heard or seen anything about this type of test?
	Question:	Where did you hear or see something about this type of test? ( <i>Record response verbatim</i> )
	Question:	In the past 12 months, have you or anyone you know obtained this type of test?
Category	Breast Cancer	
2011	Question:	The next few questions are about genetic counseling for breast and ovarian cancer. Genetic counseling is the process of communication between a specially trained health professional and someone concerned about the risk of disease in his or her family. Have you or any of your family members received genetic counseling for breast and/or ovarian cancer?
	Question:	Thinking about your biological or "blood" relatives, including your parents, grandparents, siblings, aunts, uncles or children, how many of these individuals have been diagnosed with breast cancer?
	Question:	How many of these biological relatives that have been diagnosed with breast cancer are members of your immediate family, that is, parents, siblings or children?
	Question:	Is the one biological relative that has been diagnosed with breast cancer a member of your immediate family, that is, a parent, sibling or child?
	Question:	Thinking about all of your biological parents, grandparents, siblings, aunts, uncles, or children that have been diagnosed with breast cancer, how many were diagnosed with breast cancer at or before the age of 50 years?
	Question:	Now thinking about ovarian cancer, how many of your female biological relatives, that is, your mother, sisters, aunts, grandmothers, or daughters, have been diagnosed with ovarian cancer ?
2006	Question:	The next few questions are about your family history of breast cancer. Have any of your biological family members ever been diagnosed with breast cancer?
	Question:	How many of your biological children, parents, brothers, or sisters were diagnosed with breast cancer? For brothers and sisters, please only include those that share your same mother and father?
	Question:	And how many of them were diagnosed before the age of 50?
	Question:	How many of your grandparents, aunts, uncles, nieces, or nephews were diagnosed with breast cancer?
	Question:	And how many of them were diagnosed before the age of 50?
	Question:	Have you ever been diagnosed with breast cancer?

Category		Ovarian Cancer
2010	Question	The next questions are about cancer of the ovaries. Have you ever been diagnosed with cancer of the ovaries?
	Question	How many of your biological daughters, mother, or sisters were diagnosed with cancer of the ovaries? For sisters, please only include those that share your same mother and father.
	Question	How many of your grandmothers, aunts, nieces, half-sisters and granddaughters were diagnosed with cancer of the ovaries?
	Question	Ovarian cancer has been commonly confused with other female cancers. How sure are you that your family member or members had cancer of the ovaries, and not another female cancer such as endometrial, uterine, or cervical cancer? Would you say you are very sure it was ovarian cancer, somewhat sure, or not sure at all?
	Question	Has a doctor or other health care provider ever asked you about your family history of breast or ovarian cancer, including times when you were asked to fill out a form?
	Question	Have you ever received genetic counseling for breast or ovarian cancer? This would include a conversation with an expert about your hereditary risk of breast and ovarian cancer?
	Question	Have you ever had a blood test to determine your hereditary risk for breast or ovarian cancer? A doctor would have ordered this test and you would have received the results.
Category		Miscellaneous
2005	Question:	To the best of your knowledge, were any of these biological or blood relatives ever told they had osteoporosis by a doctor, nurse, or other health care provider?
	Question:	Has your doctor, nurse, or other health care provider collected information from you about your family history of osteoporosis?

**Minnesota**

Category Diabetes

2004	Question:	To your knowledge, have any of your blood relatives, such as grandparents, parents or their siblings, or your brothers or sisters had diabetes?
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**Montana**

Category Diabetes

2002	Question	Has a doctor or other health professional ever told you that you maybe at risk for developing diabetes?
	Question	Has any member of your family had diabetes?

**New Mexico**

Category Colorectal Cancer

2004	Question:	For male and female respondents age 50+:Have any of your nearest blood relatives, that is parents, brothers or sisters , or your children ever been told by a doctor, nurse or other health professional that he or she had colon or rectal cancer?
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**New York**

Category Diabetes

2011	Question:	Do you have a parent brother or sister or child related by blood who has been diagnosed with diabetes by a health care provider?
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Category Prostate Cancer

1997	Question	Has your father or your brother or any of your sons had prostate cancer?
1996	Question:	Has your father any of your brothers any of your uncles or your grandfather had prostate cancer?

<u>Ohio</u>		
Category	Genetic Policy	
2010	Question:	The next questions refer to genetic tests that tell you about your chance of developing a disease in the future. A genetic test looks at a person's blood or saliva to find differences in genes that might cause disease in the future. How interested are you in having a genetic test that could tell you about your chances of developing a disease?
	Question:	The next two questions refer to life insurance and genetic tests. People buy life insurance to provide financial protection for their family in the event that they die. Currently insurance companies are allowed to use genetic test results along with other health information to determine life insurance coverage and costs. How concerned are you that life insurance companies might use genetic test results to determine life insurance coverage and costs?
	Question:	How important do you think it is to have laws that prevent genetic test results from being used to determine life insurance coverage and costs?
	Question:	The next question is about health insurance and genetic tests. Health insurance pays for medical expenses. Have you heard about laws that prevent genetic test results from being used to determine health insurance coverage and costs? One such law is called GINA or the Genetic Information Nondiscrimination Act.
Category	Knowledge of Family History	
2010	Question:	Has a doctor or other health care professional ever asked you to fill out a form that includes your family medical history or personally asked you about your family medical history?
	Question:	Did the doctor or health care professional then discuss with you your risk for certain diseases or health problems based on your family history?
	Question:	Did the doctor or health care professional make any recommendations to you based on your family history?
	Question:	How much time would you be willing to spend to complete a family medical history either on your own or at your health care provider's office? We are not asking you to complete a family medical history now we just want to know how much time you would be willing to spend to complete one? 0 minutes (no time),1-15 minutes, 16-30 minutes, 31-60 minutes, 1-2 hours, more than 2 hours, don't know, refused.
	Question:	How important do you think knowledge of your family's health history is to your personal health?
	Question:	Do you think that a family history of chronic disease for example heart disease stroke diabetes or cancer increases your risk of developing the disease?
	Question:	If you learned that you had a family history of heart disease how likely would you be to make lifestyle changes to try and prevent yourself from getting the disease? Lifestyle changes might include changing your diet exercising more stopping smoking and getting more routine health tests or medical tests. Would you say that you would be:
	Question:	Has a doctor or other health care professional ever asked you to fill out a form that includes your family medical history or personally asked you about your family medical history?
2009	Question:	Did the doctor or health care professional then discuss with you your risk for certain diseases or health problems based on your family history?
	Question:	Did the doctor or health care professional make any recommendations to you based on your family history?
	Question:	How much time would you be willing to spend to complete a family medical history either on your own or at your health care provider's office? We are not asking you to complete a family medical history now we just want to know how much time you would be willing to spend to complete one. 0 minutes (no time),1-15 minutes, 16-30 minutes, 31-60 minutes, 1-2 hours, more than 2 hours, don't know, refused.
	Question:	How important do you think knowledge of your family's health history is to your personal health?
	Question:	Do you think that a family history of chronic disease for example heart disease stroke diabetes or cancer increases your risk of developing the disease?
	Question:	If you learned that you had a family history of heart disease how likely would you be to make lifestyle changes to try and prevent yourself from getting the disease? Lifestyle changes might include changing your diet exercising more stopping smoking and getting more routine health tests or medical tests. Would you say that you would be:
	Question:	Has a doctor or other health care professional ever asked you to fill out a form that includes your family medical history or personally asked you about your family medical history?

2008	Question:	Did the doctor or health care professional then discuss with you your risk for certain diseases or health problems based on your family history?
	Question:	Did the doctor or health care professional make any recommendations to you based on your family history?
	Question:	How much time would you be willing to spend to complete a family medical history either on your own or at your health care provider's office? We are not asking you to complete a family medical history now we just want to know how much time you would be willing to spend to complete one. 0 minutes (no time),1-15 minutes, 16-30 minutes, 31-60 minutes, 1-2 hours, more than 2 hours, don't know, refused.
	Question:	How important do you think knowledge of your family's health history is to your personal health?
	Question:	Do you think that a family history of chronic disease for example heart disease stroke diabetes or cancer increases your risk of developing the disease?
	Question:	If you learned that you had a family history of heart disease how likely would you be to make lifestyle changes to try and prevent yourself from getting the disease? Lifestyle changes might include changing your diet exercising more stopping smoking and getting more routine health tests or medical tests. Would you say that you would be:
2003	Question:	Do you have a blood relative with a family history of any diseases such as cardiovascular disease, sickle cell anemia, diabetes, arthritis or Alzheimer's?
	Question:	Have you shared this history with your family physician?
	Question:	Have you made lifestyle choices to minimize your risk of getting this disease?

<b>Oregon</b>		
Category	Knowledge of Family History	
2009	Question:	How likely do you think it is that you will get breast cancer in the future?
	Question:	Has a doctor, nurse or other health care provider EVER discussed the of you getting breast cancer?
	Question:	Has a health care provider ever recommended changes in your eating habits, alcohol use, or physical activity to reduce your chances of getting diseases like breast cancer?
	Question:	Have you made changes in your eating habits, alcohol use, or physical activity to reduce your chances of getting diseases like breast cancer?
	Question:	Has a health care provider ever discussed screening for breast cancer with you? Tests for breast cancer include a mammogram or a clinical breast exam by a health care provider.
	Question:	Have you ever had a mammogram?
	Question:	How old were you when you had your first mammogram?
	Question:	Thinking of your close blood relatives, (dead or alive), do you have a parent, brother, sister, or child who has been diagnosed with breast or ovarian cancer?
	Question:	Which of your close blood relatives, (dead or alive) were diagnosed with breast cancer?
	Question:	How many of your close blood relatives (dead or alive) were diagnosed with breast cancer before the age of 50?
2009	Question:	Which of your close female blood relatives (your mother, sister, or daughter) were diagnosed with ovarian cancer?
	Question:	Have you ever had genetic counseling for breast or ovarian cancer? This would include a conversation with a genetics expert about your risk for breast or ovarian cancer.
	Question:	Have you EVER HEARD of a genetic test that determines if a person is at increased risk of developing breast or ovarian cancer?
2009	Question:	Have you EVER HAD a genetic test to determine if you are at increased risk of developing breast or ovarian cancer?
	Question:	Do you think that you should have a genetic test to determine if you are at increased risk of developing breast or ovarian cancer?

Category Colorectal Cancer	
2008	Question: Have you EVER been told by a doctor, nurse, or other health care provider, that you have colorectal cancer?
	Question: How likely do you think it is that you will get colorectal cancer in the future?
	Question: Has a doctor, nurse, or other health care provider ever discussed the chances of you getting colorectal cancer?
	Question: Has a health care provider ever recommended changes in eating habits or physical activity to reduce your chances of getting diseases like colorectal cancer?
	Question: Has a health care provider ever discussed testing for colorectal cancer with you?
	Question: Thinking of your close blood relatives, do you have a parent, brother, sister, or child who has been diagnosed with colorectal cancer by a health care provider?
	Question: Which of your close blood relatives were diagnosed with colorectal cancer?
	Question: How many of your close blood relatives were diagnosed before the age of 50?
Question: Have you made changes in your eating habits or physical activity, to reduce your chances of getting diseases like colorectal cancer?	
Category DTC Tests	
2009	Question: Several companies are advertising genetic tests that scan a person's entire genetic makeup for health risks. You can order these tests directly, without the involvement of a healthcare provider. Have you heard or read about these tests?
	Question: Where did you hear about these tests?
	Question: Have you ever used any of these tests?
2008	Question: Did you discuss the results with your health care provider?
	Question: Some companies are offering genetic tests of your DNA that are advertised to improve your health and prevent disease. Have you heard about these tests?
	Question: Where did you hear about these tests? ( <i>Sources from which respondents heard of DNA tests</i> )
Question: Have you ever used any of these tests?	
Category Heart Disease	
2007	Question: How likely do you think it is that you will get heart disease or stroke in the future? By "heart disease" we mean heart attack, coronary heart disease, angina, or decreased blood flow to the heart.
	Question: Has a doctor, nurse, or other health care provider ever asked you about your family history of illnesses or health problems? This would include a health care provider asking you to fill out a form or personally asking you about your family history of certain illnesses or health problems.
	Question: Has a health care provider ever asked you about your family history of heart disease or stroke, specifically? This would include a health care provider asking you to fill out a form or personally asking you about your family history of heart disease. If needed: By "heart disease" we mean heart attack, angina, coronary heart disease, or decreased blood flow to the heart.
	Question: Has a doctor, nurse, or other health care provider ever discussed the chance of you getting heart disease or stroke?
	Question: Has a health care provider ever recommended changes in eating habits or physical activity to reduce your chances of getting diseases like heart disease or stroke?
	Question: Thinking of your close blood relatives, do you have a parent, brother or sister, or child related by blood, who has been diagnosed with heart disease or stroke by a health care provider?
	Question: Have you made changes in your eating habits or physical activity, to reduce your chances of getting disease like heart disease or stroke?
	Question: Some companies are offering genetic tests of your DNA that are advertised to improve your health and prevent disease. You can order these tests directly, without the involvement of a healthcare provider. Have you heard about these tests?
	Question: Have you ever used any of these tests?



<b>Utah</b>	
Category	Knowledge of Family History
2007	<p>Question: Now think about your immediate family including your grandparents, parents, brothers, sisters and children, both living and deceased. To the best of your knowledge, does one or more chronic disease, such as heart disease, stroke, diabetes, or cancer tend to run in your family?</p> <p>Question: Have any of your immediate family members ever been told by a doctor, nurse, or other health professional that they had diabetes? Do not include a female relative who only had diabetes during pregnancy.</p> <p>Question: In the past year, have you read or heard about the importance of knowing your family's health history?</p> <p>Question: Have you ever actively collected health information from your relatives for the purpose of developing a family health history?</p> <p>Question: Have you shared the information you collected on your family's health history with a doctor, nurse, or other health care professional?</p> <p>Question: Why have you not shared your family's health history with a medical professional? Mark all that apply.</p> <p>Question: Do not have a family history</p> <p>It's not important</p> <p>Confidential, not to be shared outside the family</p> <p>Not yet, but I plan to in the future</p> <p>Worried it may affect my job</p> <p>Worried it may affect my ability to get health insurance</p> <p>Worried it may affect my ability to get life insurance</p> <p>Other (write in)</p> <p>Don't know/Not sure</p> <p>Refused</p>
2006	<p>Question: Now think about your immediate family including your grandparents, parents, brothers, sisters and children, both living and deceased. To the best of your knowledge, does one or more chronic disease, such as heart disease, stroke, diabetes, or cancer tend to run in your family?</p> <p>Question: Have any of your immediate family members ever been told by a doctor, nurse, or other health professional that they had diabetes? Do not include a female relative who only had diabetes during pregnancy.</p> <p>Question: In the past year, have you read or heard about the importance of knowing your family's health history?</p> <p>Question: Have you ever actively collected health information from your relatives for the purpose of developing a family health history?</p> <p>Question: Have you shared the information you collected on your family's health history with a doctor, nurse, or other health care professional?</p> <p>Question: Why have you not shared your family's health history with a medical professional? Mark all that apply.</p> <p>Do not have a family history</p> <p>It's not important</p> <p>Confidential, not to be shared outside the family</p> <p>Not yet, but I plan to in the future</p> <p>Worried it may affect my job</p> <p>Worried it may affect my ability to get health insurance</p> <p>Worried it may affect my ability to get life insurance</p> <p>Other (write in)</p> <p>Don't know/Not sure</p> <p>Refused</p>

2005	Question:	Do you think that a family history of chronic disease, for example heart disease, stroke, diabetes or cancer increases your risk of developing the disease?
	Question:	Now thinking about your family, including your grandparents, parents, brothers, sisters and children, both living and deceased. To the best of your knowledge, does one or more of the following diseases, such as heart disease, stroke, diabetes, or cancer tend to run in your family?
	Question:	Did a doctor or other health care professional ever discuss with you your risk for certain diseases or other health problems based on your family medical history?
	Question:	Did the doctor or health care professional make any recommendations to you based on your family medical history?
	Question:	How much time would you be willing to spend to complete a family medical history, either on your own or at your health care provider's office? We are not asking you to complete a family medical history now, we just want to know how much time you would be willing to spend to complete one? 0 minutes (no time), 1-15 minutes, 16-30 minutes, 31-60 minutes, 1-2 hours, more than 2 hours, don't know, refused.
Category	Genetic Testing and Newborn Screening	
2007	Question:	Some companies are offering genetic tests of your DNA that are advertised to improve your health and prevent disease. You can order these tests directly, without the involvement of a healthcare provider. Have you heard about these tests?
2006	Question:	Some companies are offering genetic tests of your DNA that are advertised to improve your health and prevent disease. You can order these tests directly, without the involvement of a healthcare provider. Have you heard about these tests?

<b><u>Vermont</u></b>		
Category	Colorectal Cancer	
2007	Question:	Has a doctor or other health care professional ever given you or any member of your immediate family a diagnosis of colon or rectal cancer?

<b><u>Washington</u></b>		
Category	Knowledge of Family History	
2009	Question:	The next questions are about your medical family history. This would include the diseases and health problems of your parents, grandparents, brothers, and sisters. Has a doctor or other health care professional ever asked you to fill out a form or personally asked you about your medical family history?
	Question:	Did the doctor or health care professional then discuss with you your risk for certain diseases or health problems based on your family history?
Category	Colorectal Cancer	
2009	Question:	To the best of your knowledge, do you have a parent, brother or sister, or child related by blood, who has been diagnosed with colon or rectal cancer by a health care provider?
Category	Breast Cancer	
2009	Question:	To the best of your knowledge, do you have a parent, brother or sister, or child related by blood, who has been diagnosed with breast cancer* by a health care provider?
Category	DTC Tests	
	Question:	Some companies are offering genetic tests of your DNA that are advertised to improve your health and prevent disease. You can order these tests directly, without the involvement of a healthcare provider. Have you ever used any of these tests?

<u>Wisconsin</u>	
Category	Knowledge of Family History
2008	<p>Question: The next questions are about your medical family history. This would include the diseases and health problems of your parents grandparents brothers and sisters. How important do you think knowledge of your family's health history is to your personal health? Would you say very important somewhat important or not at all important?</p> <p>Question: Do you think that a family history of chronic disease for example heart disease stroke diabetes or cancer increases your risk for developing the disease?</p> <p>Question: Has a doctor or health care professional ever discussed with you your risk for certain diseases or other health problems based on your family medical history?</p> <p>Question: Did the doctor or health care professional make any recommendations to you based on your family medical history?</p> <p>Question: Did those recommendations include that you change your diet?</p> <p>Question: Exercise more?</p> <p>Question: Stop smoking?</p> <p>Question: Take medication?</p> <p>Question: Have routine screening tests?</p> <p>Question: Do something else?</p> <p>Question: What else was recommended?</p> <p>Question: Have you ever actively collected health information from your relatives for the purpose of developing a family health history?</p> <p>Question: Have you shared the information you collected on your family's health history with a doctor nurse or other health care professional?</p> <p>Question: Why have you not shared your family's health history with a medical professional?</p>