

Your chance to tell us what you think is important to know about genetics

A. First, how familiar are you with words related to genetics

Each of the words below are words that you may or may not be familiar with. For each, please rate how familiar you are with each word. Marking “7” on the scale reflects that you are very familiar, marking “1” on the scale means that you are not familiar. Please circle the number that best reflects your opinion.

1.	Genetic:	0-----1-----2-----3-----4-----5-----6-----7
	Not at all familiar	Completely Familiar
2.	Chromosome:	0-----1-----2-----3-----4-----5-----6-----7
	Not at all familiar	Completely Familiar
3.	Susceptibility:	0-----1-----2-----3-----4-----5-----6-----7
	Not at all familiar	Completely Familiar
4.	Mutation:	0-----1-----2-----3-----4-----5-----6-----7
	Not at all familiar	Completely Familiar
5.	Variation:	0-----1-----2-----3-----4-----5-----6-----7
	Not at all familiar	Completely Familiar
6.	Abnormality:	0-----1-----2-----3-----4-----5-----6-----7
	Not at all familiar	Completely Familiar
7.	Heredity:	0-----1-----2-----3-----4-----5-----6-----7
	Not at all familiar	Completely Familiar
8.	Sporadic:	0-----1-----2-----3-----4-----5-----6-----7
	Not at all familiar	Completely Familiar

B. Rate how important you think it is to learn about genetics

How important is it to you to learn more about how your genes -- the characteristics that are passed from one generation to the next -- affect your chance of getting certain health conditions?

SCALE						
Very unimportant		Neither important or unimportant				Very important
1	2	3	4	5	6	7
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

C. Scenarios you may encounter

Below are four scenarios in which you might be called upon to use what you know about genetics to address a problem. For each of the scenarios, please rate how confident you are based on what you know about genetics right now that you could do so effectively. **[Note: We would like these four scenarios to be presented to the respondents in a random order]**

1. **Jury Duty:** You are selected for a jury. The suspect in the case is on trial for murder. Bloody fingerprints left at the scene provided small fragments of DNA. The DNA found at the scene shows there were two people with distinct genetic profiles.

Based on what you know right now about genetics, how confident are you that you would be able to decide the suspect's guilt or innocence?

0-----1-----2-----3-----4-----5-----6-----7

Not at all confident Completely confident

<p>2.</p>	<p>Cosmetic Product: You run across a a product called Skintype ID. For \$100, you can send a saliva sample and have your DNA tested. The personalized report will tell you whether you have versions of genes that increase the likelihood that your skin will wrinkle more than other people.</p> <p>Based on what you know right now about genetics, how confident are you that you would be able to decide whether or not the claims made are true?</p> <p>0-----1-----2-----3-----4-----5-----6-----7</p> <p>Not at all confident Completely confident</p>
<p>3.</p>	<p>Genetically modified foods: A company has recently patented a genetically modified salmon called GeneAdvantage that is able to reproduce more often and is less expensive per pound than other types of salmon.</p> <p>Based on what you know right now about genetics, how confident are you that you would be able to decide whether or not to choose GeneAdvantage over other types of salmon?</p> <p>0-----1-----2-----3-----4-----5-----6-----7</p> <p>Not at all confident Completely confident</p>
<p>4.</p>	<p>Family Health Testing: You want to learn about conditions that might run in your family. You bought a DNA testing kit from a company that will provide you with results about your health risks. The report came back that you have a gene version that doubles your risk for developing dementia at a younger than average age.</p> <p>Based on what you know right now about genetics how confident are you that you would be able to understand how the results will impact your children’s risk for the condition?</p> <p>0-----1-----2-----3-----4-----5-----6-----7</p> <p>Not at all confident Completely confident</p>
<p>5.</p>	<p>Celebrity: You read that a famous actress learned she has a “faulty” gene that greatly increases her risk of breast cancer. She has decided to have double mastectomy to reduce her risk.</p> <p>Based on what you know right now about genetics, how confident are you that you could judge whether her decision was justified or not?</p> <p>0-----1-----2-----3-----4-----5-----6-----7</p> <p>Not at all confident Completely confident</p>

6.

Drug Prescription: You are told by a doctor that you have a serious medical condition. The doctor tells you that because of differences in genetic variation, there is only one drug to treat the condition that will work for people from your racial group.

Based on what you know right now about genetics, how confident are you that you could tell whether the doctor's recommendation was justified or not?

0-----1-----2-----3-----4-----5-----6-----7

Not at all confident

Completely confident

D. In your opinion, what's important to know about genetics

Sometimes it is easier to understand what you read or hear about genetics if you have some background information about the topic. Would background information about any of the facts below help you understand what you hear or read about genetics in sources like TV, newspapers or the internet? Please select a 'yes' or 'no' for each of the following statements?

1.	How many genes you have:	YES	NO
2.	How variations in genes make individuals different from each other:	YES	NO
3.	Where genes are located in the body:	YES	NO
4.	How genes influence biological processes such as digesting food or carrying oxygen in the blood:	YES	NO
5.	What the relationship is between genes and chromosomes:	YES	NO
6.	How changes in genes influence the development of diseases:	YES	NO
7.	How genes are turned on and off, by the environment, physical development, and health habits:	YES	NO
8.	Whether an individual's physical or personality attribute is affected by only one or multiple genes:	YES	NO
9.	How DNA develops errors that influence the development of disease:	YES	NO

E. Rate your confidence

Now I'd like for you to think about the area of genetics and health. On a scale from 1 to 7 where 1 is Strongly disagree and 7 is Strongly agree, please rate your response to each statement.

1.	<p>You are confident in your ability to understand information about genetics.</p> <p>1-----2-----3-----4-----5-----6-----7</p> <p>Strongly disagree Mainly disagree Somewhat disagree Neither agree nor disagree Somewhat agree Mainly agree Strongly Agree</p>
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2.	<p>It would be easy for you to get information about genetics if you wanted to.</p> <p>1-----2-----3-----4-----5-----6-----7</p> <p>Strongly disagree Mainly disagree Somewhat disagree Neither agree nor disagree Somewhat agree Mainly agree Strongly Agree</p>
3.	<p>You would be able to understand information about how genes can affect your health.</p> <p>1-----2-----3-----4-----5-----6-----7</p> <p>Strongly disagree Mainly disagree Somewhat disagree Neither agree nor disagree Somewhat agree Mainly agree Strongly Agree</p>
4.	<p>You have a good idea about how genetics may influence risk for disease generally.</p> <p>1-----2-----3-----4-----5-----6-----7</p> <p>Strongly disagree Mainly disagree Somewhat disagree Neither agree nor disagree Somewhat agree Mainly agree Strongly Agree</p>
5.	<p>You have a good idea about how your own genetic make-up might affect your risk for disease.</p> <p>1-----2-----3-----4-----5-----6-----7</p> <p>Strongly disagree Mainly disagree Somewhat disagree Neither agree nor disagree Somewhat agree Mainly agree Strongly Agree</p>
6.	<p>You would be able to explain to others how genes affect health.</p> <p>1-----2-----3-----4-----5-----6-----7</p> <p>Strongly disagree Mainly disagree Somewhat disagree Neither agree nor disagree Somewhat agree Mainly agree Strongly Agree</p>

F. How good are you with numbers?

For each of the following questions, please circle the number that best reflects your opinion of how good you are at doing the following.

1.	<p>How good are you at working with fractions?</p> <p>0-----1-----2-----3-----4-----5-----6-----7</p> <p>Not at all good Extremely good</p>
2.	<p>How good are you at figuring out how much a shirt will cost if it is 25% off?</p> <p>0-----1-----2-----3-----4-----5-----6-----7</p> <p>Not at all good Extremely good</p>