

What is a Genetic Counselor?

Kamrin Green



This book is dedicated to my parents, who pushed me harder, G.E.M.S. Academy, who gave me new opportunities, and my friends.

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By: Kamrin Green

When I grow up I want to be a genetic counselor. A genetic counselor is a person who can tell if you have a genetic disorder or disease. First you can make an appointment and they will ask you questions and take blood samples. They study the blood and do some research on it.

The reason that I would like to be a genetic counselor is because I am interested in genetics and I work well with people. I am also interested in **D.N.A.**

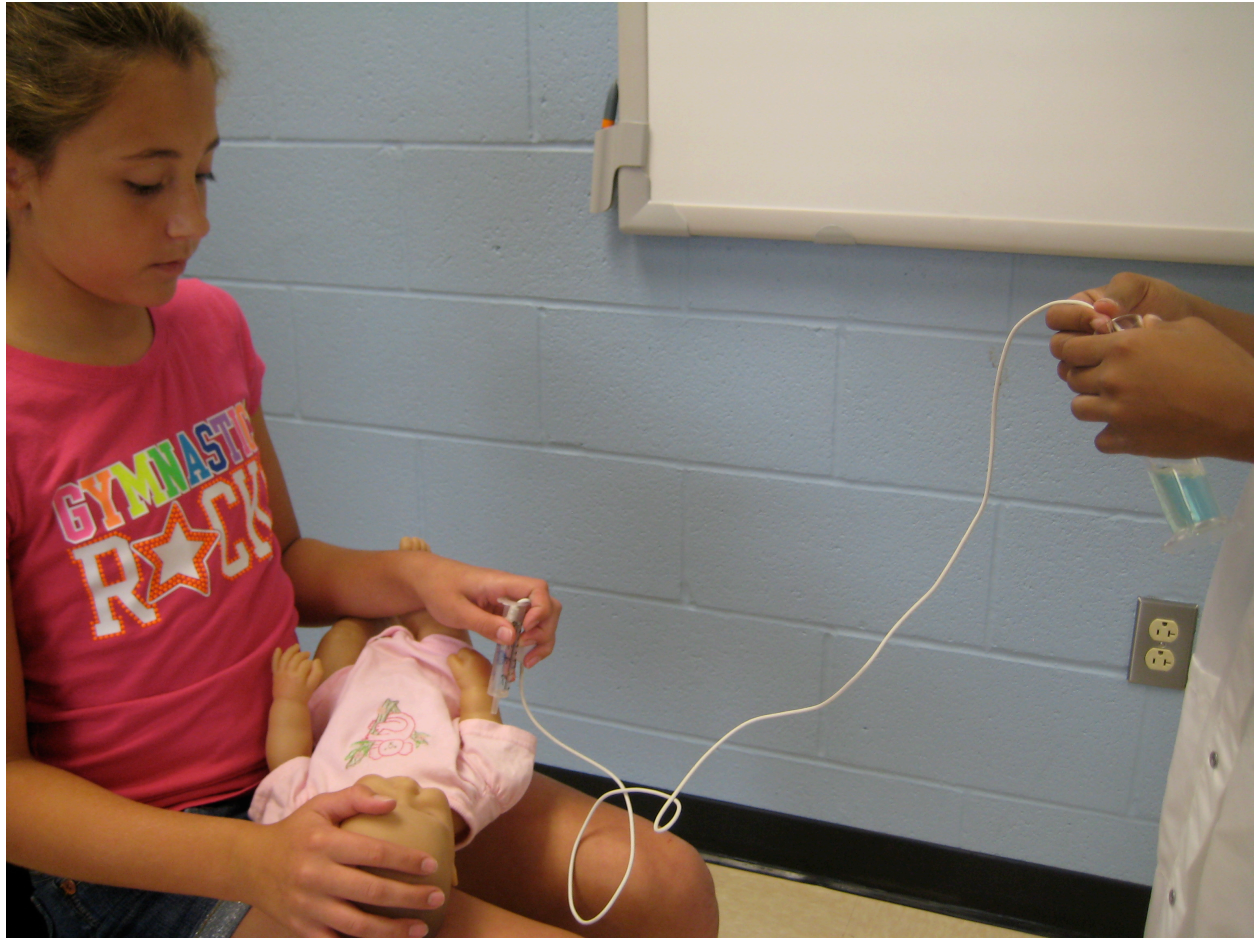


My personal goals are to help others and solve their genetic problems. I would like to successfully find cures for different diseases and disorders. Another goal is to maybe make a **mutant** one day.

My wonderings about genetic counselors include:

- Can more than one genetic counselor work on the same case?
- I wonder if they know what chemicals make mutants?

What I think is really interesting about being a genetic counselor is getting to learn new diseases and find a way to cure it.



Some important technologies a genetic counselor uses are a computer, **medical software, word processing software, spread sheet software, data base user, query software, analytical or scientific software, Deoxyribonucleic sequence analyzers,** and more.

Some important tools of a genetic counselor are **Benchtop centrifuges,** computers, pencils, paper, test tubes, microscopes, and experimenting tools.



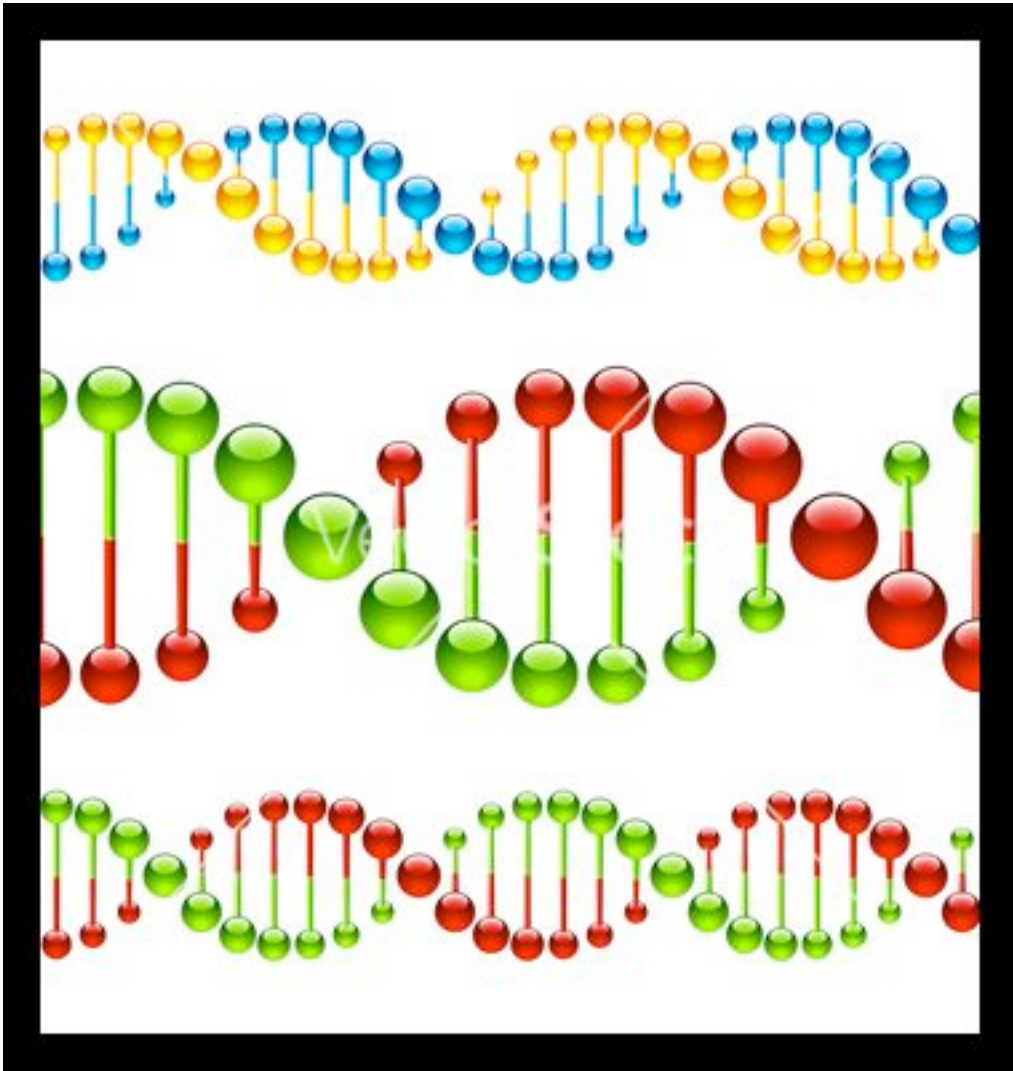
Some “must haves” that genetic counselors need are a Bachelor’s degree followed by a Master’s degree including these subjects: biology, chemistry, algebra, foreign language, sociology, and English. They get paid an average of \$58,975 a year. It is harder than you think to do this job.

Location will effect how much work a genetic counselor can do. If you are a genetic counselor and you live in a place where there aren’t a lot of people, you won’t have a very busy job! You may want to live in a place where there are a lot of people and diseases are more common.



Some of the best things about being a genetic counselor are being able to experiment, learning new things, and discovering new cures and diseases.

Some challenges about being a genetic counselor are possibly not knowing what a disease is or not knowing what a cure could be for a problem. Also dealing with emotional clients and the extensive list of classes that you have to take to be a genetic counselor.



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Math involved being a genetic counselor is using algebra to calculate a formula to cure the disorder or disease.



The science behind being a genetic counselor is understanding the chemistry and biology behind all of it.



Glossary:

Mutant: resulting from or showing the effect of mutation; an organism that has changed into a unrecognized being.

Medical software: specialized software to manage patient data base.

Word Processing software: a specialized software programmed to produce, store, and manipulate the text on a word processor or personal computer; Microsoft Word

Spread sheet software: A specialized software on the computer used chiefly for accounting, in which figures arranged in rows and columns of a grid can be manipulated and used in calculations; Microsoft Excel

Benchtop centrifuges: a piece of laboratory equipment, driven by a motor, which spins liquid samples at high speed to separate the components.

Deoxyribonucleic sequence analyzers: automated deoxyribonucleic acid DNA sequences.

References and Resources:

- * <http://www.Sciencebuddies.org>
- * <http://www.pics4learning>
- * reference for glossary words: Wikipedia and O Net
Online glossary for the career: Genetic Counselor

About the Author:

My name is Kamrin Green. I am 10 years old. I live in Bowling Green, KY. I go to G.E.M.S. Academy (**G**ifted **E**ducation in **M**ath and **S**cience) and I also go to Cumberland Trace Elementary School. I love to read, draw, and write. I have 1 brother and 1 sister. This is the first book I've ever written and I am very proud about it.



My name is Kamrin Green and this is my first *published* book. I am 10 and I go to Cumberland Trace Elementary School. I also attend G.E.M.S. which is Gifted Education in Math and Science. I hope you enjoy!

This book is all about genetic counselors and what they do for a living. This book will tell you what genetic counselors do, the math and science behind the job, and much more. Read this book to find out what is a genetic counselor.

