

Issues With Genetic Testing



GINA is an act passed by George W. Bush in the year 2008 to protect genetic tester's privacy and avoid possible discrimination against ones DNA. (bottom)

The odds calculator predicts ones' possibility of contacting a certain type of disease based on family history, habits, and personal conditions.



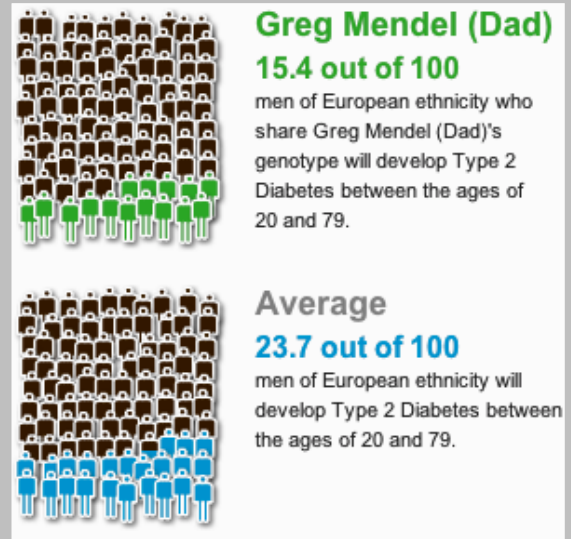
Problems That Need To Be Fix

Personalized medicine:

Scientists used an individual's DNA to make a type of medicine based on that person's body condition. However, the cost is sometimes unbearable for common or even middle class civilians, that is \$294,000 per year (about \$800 per day). That means the higher class will be able to afford it financially. So, will it become a type of social injustice? Despite its high cost, personalized medicine may not even help you. It only target patients who have a actionable mutation gene, a specific group of people. If you think it that way, this type of medicine is not very cost efficient than regular prescriptions.

Your DNA Online. Is it Safe?

Hackers exist almost everywhere and you know your DNA results are online. Maybe someday a person will hack in your account and steal your DNA results. Your risks of getting a certain disease (based on the odds calculator), or even your ancestors that you found recently are in the hands of that person. Jobs recruiters/universities might reconsider you. The GINA (Genetic Information



Nondiscrimination Act) could not restrict the actions of hackers or the economy that need better employees by their side.

Trustworthy Results?

The odds calculator's results can only show incomplete set of DNA. Therefore results varies from different companies. The results are just predications not the absolute truth. It could also create unnecessary panic and bewilderment of the testers if the company did not explain how to read the statistics in the right way.