



# Who is Involved in Public Health Genetics and Genomics?

## **Geneticist**

A medical doctor who specializes in the field of genetics. Geneticists can work in a clinical space evaluating patients as well as in a laboratory setting with a PhD. Laboratory geneticists are often part of public health genetics through newborn screening.

[Learn more here!](#)

## **Genetic Counselors**

Trained healthcare professionals who integrate counseling with medical and scientific genetic information to educate individuals about genetic conditions.

[Learn more here!](#)

## **Genetic nurses**

A licensed professional nurse with special education and training in genetics. Genetics nurses help people at risk for or affected by conditions with a genetic component achieve and maintain health.

[Learn more here!](#)

## **Metabolic dietician**

A specialized healthcare professional who provides personalized nutrition plans and guidance to individuals with metabolic disorders or conditions affecting their metabolism, helping them manage their health through dietary interventions.

[Learn more here!](#)

## **Local/State health department officials**

Oversee and implement initiatives at the local or state level aimed at understanding genetic factors in disease prevalence, conducting genetic screenings, and coordinating genetic counseling services for communities.

## **Laboratorians**

Conduct genetic tests and analyses in clinical or public health laboratories to identify genetic predispositions to diseases, track genetic variations in populations, and contribute to research on the intersection of genetics and public health. For example, these individuals are responsible for evaluating babies newborn screening samples.

## **Health education specialists**

Design and implement educational programs to raise awareness about genetic risk factors for diseases, promote genetic testing, and facilitate informed decision-making regarding genetic information among individuals and communities.

## **Federal public health professionals**

Lead national efforts to develop policies and programs related to genetic research, genetic testing standards, and the ethical, legal, and social implications of genetic information, while also coordinating collaborative research initiatives across states and territories.

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