

# Genetic Medicine & Primary Care

## 7 Key Roles of the Primary Care Provider

### Evaluate through Screening and Surveillance

Use family health history for primary prevention of chronic illness and to identify a patient's need for increased surveillance.

### Educate Patients and Their Families

Discuss the importance of screening, early diagnosis, and how genetic tendencies may be present with an acute manifestation of disease.

### Explain the Results

Review and discuss the meaning of screening, test results, and what to expect from genetic consultation and referral.

### Make Appropriate Referrals

Provide information based on clinical history and ensure adequate follow-up for patients.

### Coordinate Care with a Subspecialist

Initiate a co-management plan, including treatment and diagnostic testing when appropriate.

### Counsel Patients and Families

Help them understand and adapt to the implications of a genetic diagnosis.

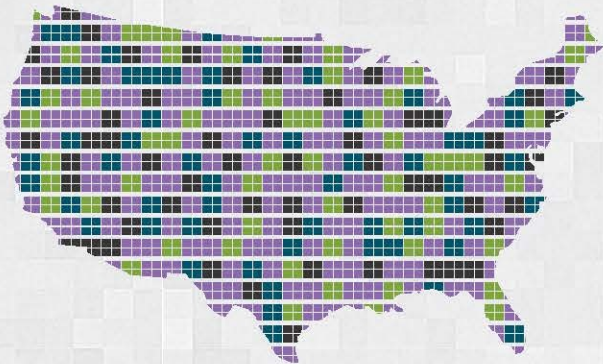
### Provide Long-Term Follow-Up and Care

Continue to support patients and families and provide primary care through an ongoing relationship within the medical home.

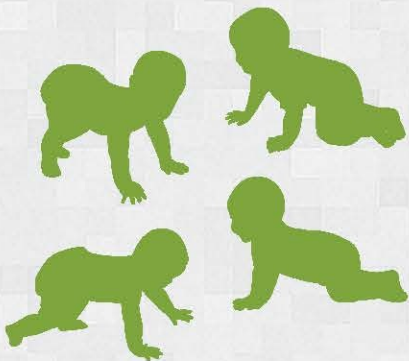
## Why Incorporate Genetics into Your Practice?

More than 50% of the population

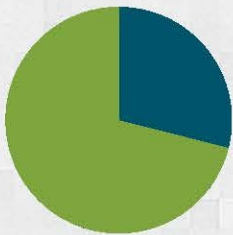
is at increased risk of **diabetes**, **cancer**, or **heart disease** because they have close relatives with 1 or more of these diseases.



>1,700  
GENETIC TESTS  
AVAILABLE



71%



of **pediatric inpatients** have a genetic or genetically related condition.\*

4m  
BABIES

born annually in the U.S. receive **newborn screening**, the most common genetic test.



Genomics plays a role in **9 of the 10** leading **causes of death**.

- 10 Septicemia 9 Kidney disorder 8 Flu and pneumonia
- 7 Diabetes 6 Alzheimer's disease 5 Accidents
- 4 Chronic lower respiratory disease
- 3 Stroke 2 Cancer 1 Heart disease

### BOARD CERTIFIED



Physician Geneticists

1,400

Approximately **1 per 616,000** individuals in the U.S. (ACMG)



Genetic Counselors

3,000

Approximately **1 per 105,000** individuals in the U.S.



REDUCE  
RISK BY  
60%

### Screening interventions

could potentially **reduce the risk** of colorectal cancer among patients with Lynch syndrome by 60%.



75%  
OF ADULTS'  
ATTITUDES

### Overall, U.S. adults have positive attitudes

75% of adults surveyed **agree** that genetic testing helps doctors diagnose preventable conditions and offers more personalized treatment options.

