

Genetic Screening

Disease	Risk Group	Carrier Frequency
Cystic fibrosis	Ashkenazi Jews Caucasians	1 in 25 – 30
Tay-Sachs disease	Ashkenazi Jews Cajuns French Canadians in E. Quebec	1 in 20-30
Canavan's disease	Ashkenazi Jews	1 in 40
α and β - thalassemia	Africans East Indians Hispanics Mediterraneans Middle Easterners Southeast Asians	1 in 10-75
Sickle cell anemia	Africans	1 in 11
Fragile X syndrome	Women	1 in 250