

BIRTH DEFECTS CHART--KEY

DISEASE	PEOPLE AFFECTED	GENETIC PROBLEM	EFFECTS
HEMOPHILIA	Male	Yes X-Linked	Defect in blood-clotting mechanism
SICKLE CELL ANEMIA	Blacks	Yes Recessive	Blood disorder primarily Damage to vital organs
PKU	Recessive North European	Yes	Essential liver enzyme. Deficiency cannot metabolize amino acids. May cause brain damage.
DOWN'S SYNDROME	Genetic or older female children	Chromosome error, 3%--Older Females, an extra #21 chromosome	Skin fold at corner of eyes, large tongue, small hands, stubby fingers, defects of heart, eyes and ears, mental retardation
POLYDACTYL	Dominant	Yes	Extra fingers or toes
COLOR BLINDNESS	X-linked males	Yes X-Linked	Cannot distinguish certain colors
COOLEY'S ANEMIA (THALASSEMIA)	Italians Greeks	Yes Recessive	Blood disorder Lacks oxygen
HUNTINGTON'S DISEASE	Dominant inherited disorder	Yes	Progressive nervous system degeneration
TAY-SACHS	Jewish	Yes	Affects function of mucus and sweat glands
CYSTIC FIBROSIS	Recessive inherited disorder	Yes Recessive	Loss of ability to smile, laugh, crawl, turnover, grasp. Death usually occurs at age 3-4. Doesn't break down fatty deposits in brain and nerve cells become clogged.