Hemoglobinopathies Comparison Chart

	RBC Size (normocytic, macrocytic, microcytic)	**RBC Color** (normochromic, hypochromic, polychromasia)	**RBC Morphology**	**Sickle Solubility** (pos or neg)	**% of each type of Hgb**	**Structural Defect**	**Level of Anemia**	**Transfusion Dependent?**
Hb SS								
Hb SA								
Hb C								
Hb E								
Hb SC								

Alpha Thalassemias Comparison Chart

	Genotype	**RBC Size** (normocytic, macrocytic, microcytic)	**RBC Color** (normochromic, hypochromic, polychromasia)	**RBC Morphology**	**Hb A Level** (normal, increased, decreased, none)	**Hb Bart level in newborn (%)**	**Hb H level in adult (%)**	**Transfusion Dependent?**	**Level of Anemia**
Normal									
Silent Carrier State									
Alpha Thalassemia Minor									
Hb H Disease (alpha thalassemia intermedia)									
Hb Bart Hydrops Fetalis Syndrome (alpha thalassemia major)									

Beta Thalassemias Comparison Chart

	Genotype	**RBC Size** (normocytic, macrocytic, microcytic)	**RBC Color** (normochromic, hypochromic, polychromasia)	**RBC Morphology**	**Hb A Level**	**Hb A2 Level**	**Hb F Level**	**Transfusion Dependent?**	**Level of Anemia**
Normal									
Silent Carrier State									
Beta Thalassemia Minor									
Beta Thalassemia Major					$\underline{\beta^0/\beta^0:}$ $\underline{\beta^+/\beta^+ \text{ or } \beta^+/\beta^0:}$		$\underline{\beta^0/\beta^0:}$ $\underline{\beta^+/\beta^+ \text{ or } \beta^+/\beta^0:}$		
Beta Thalassemia Intermidia									