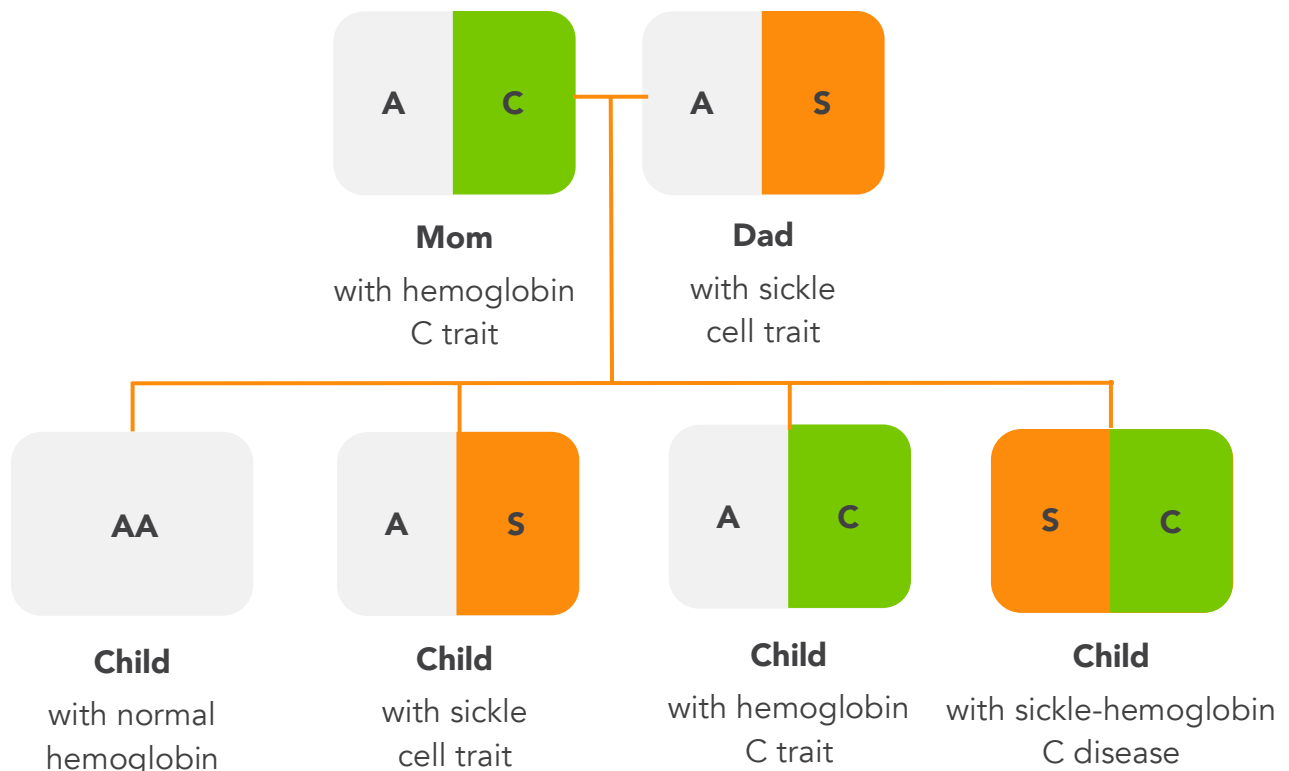


Inheritance

How is sickle cell HbSC disease inherited?

Parents that carry the gene for sickle cell can pass it down to their children.



A Normal Hemoglobin

S Sickle Hemoglobin

C Hemoglobin C

Key Point

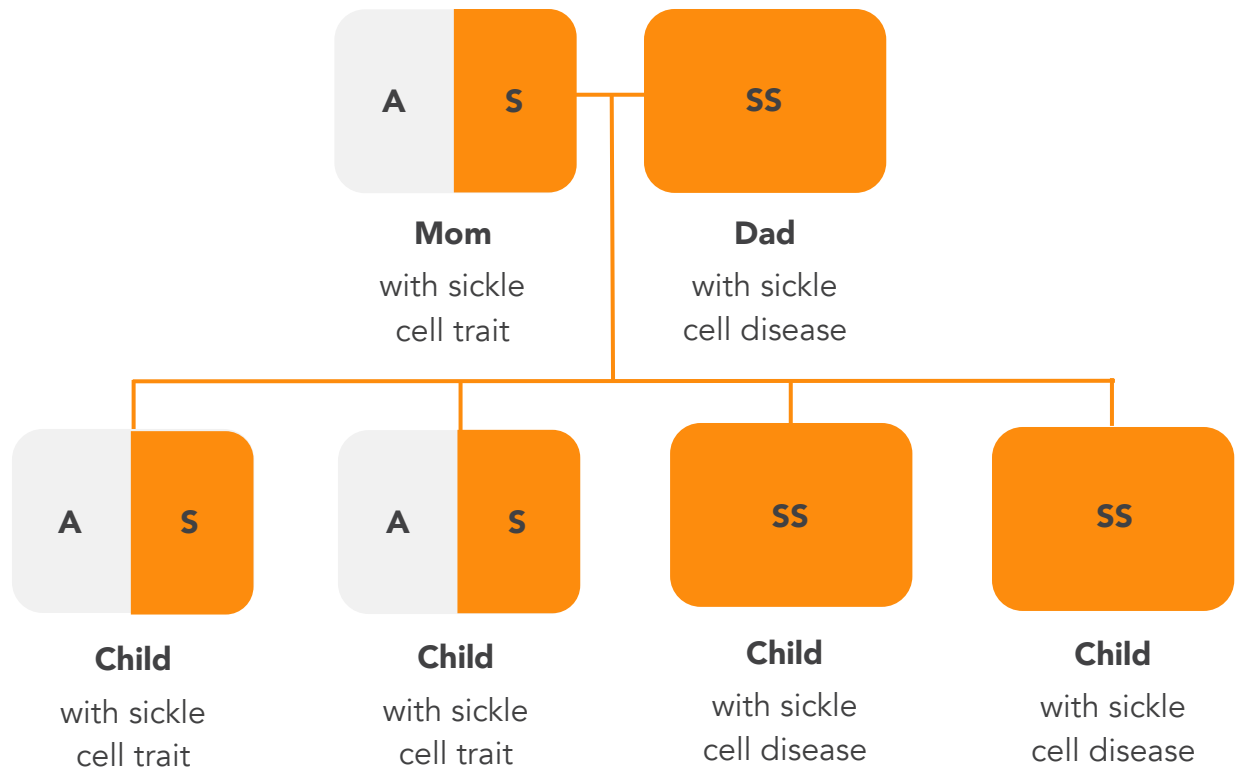
Each pregnancy has **25% chance** of sickle cell HbSC disease — if one parent has “S” trait and one parent has “C” trait.



Inheritance

How is sickle cell disease inherited?

Parents that carry the gene for sickle cell can pass it down to their children.



A Normal Hemoglobin

S Sickle Hemoglobin

Key Point

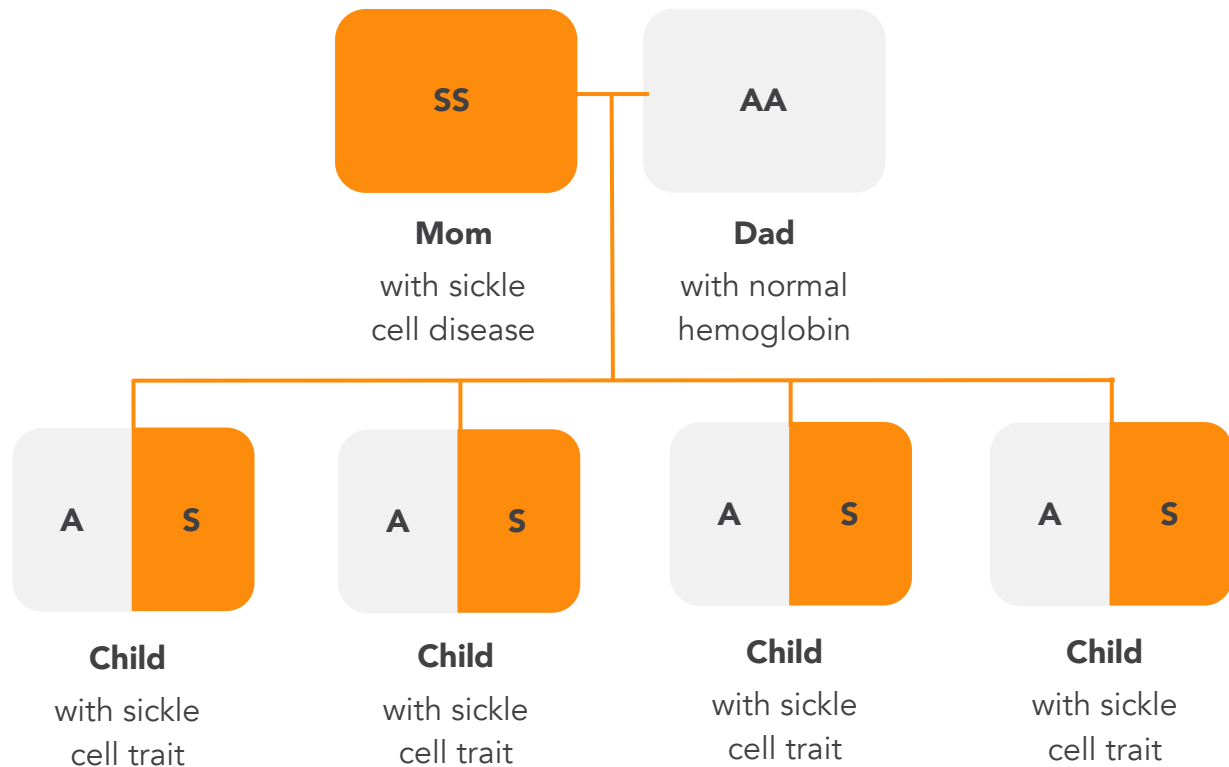
Each pregnancy has **50% chance** of sickle cell disease — if one parent has sickle cell trait and one parent has sickle cell disease.



Inheritance

How is sickle cell disease inherited?

Parents that carry the gene for sickle cell can pass it down to their children.



A Normal Hemoglobin

S Sickle Hemoglobin

Key Point

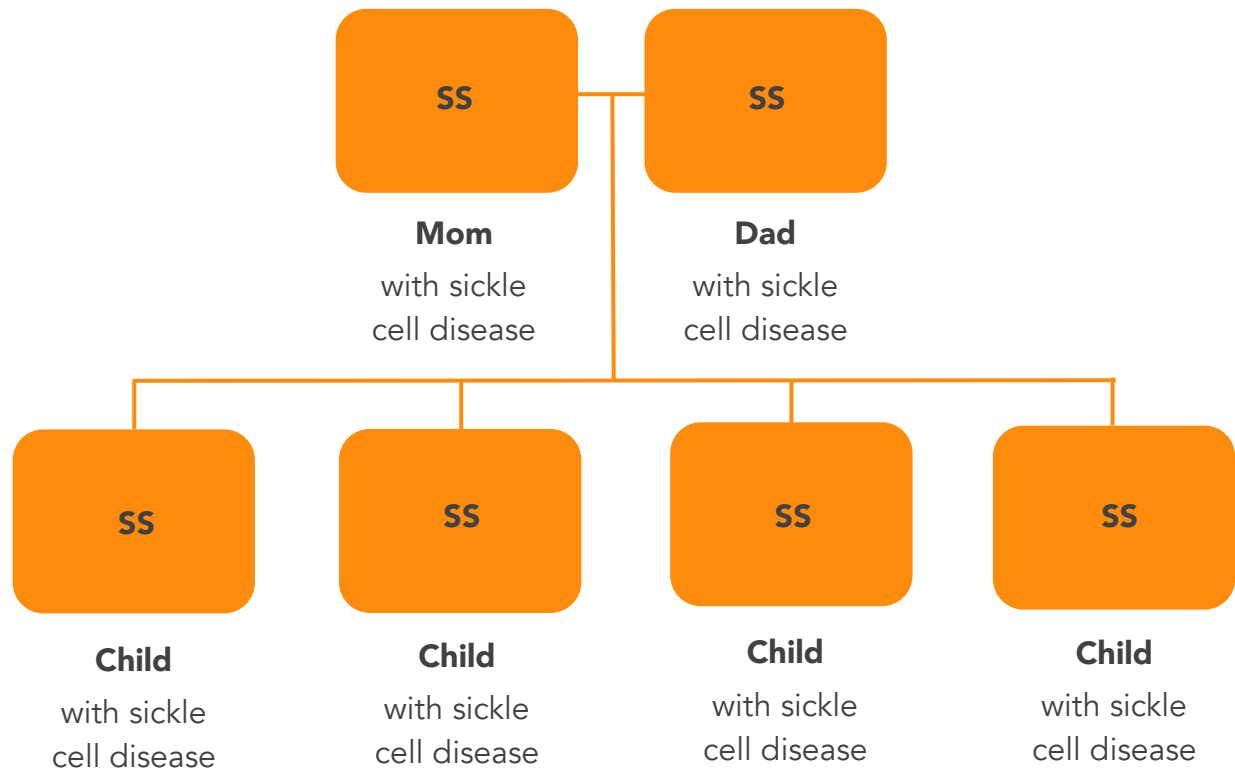
Each pregnancy has **100% chance** of sickle cell trait — if one parent has sickle cell disease and one parent has normal genetics.



Inheritance

How is sickle cell disease inherited?

Parents that carry the gene for sickle cell can pass it down to their children.



A Normal Hemoglobin

S Sickle Hemoglobin

Key Point

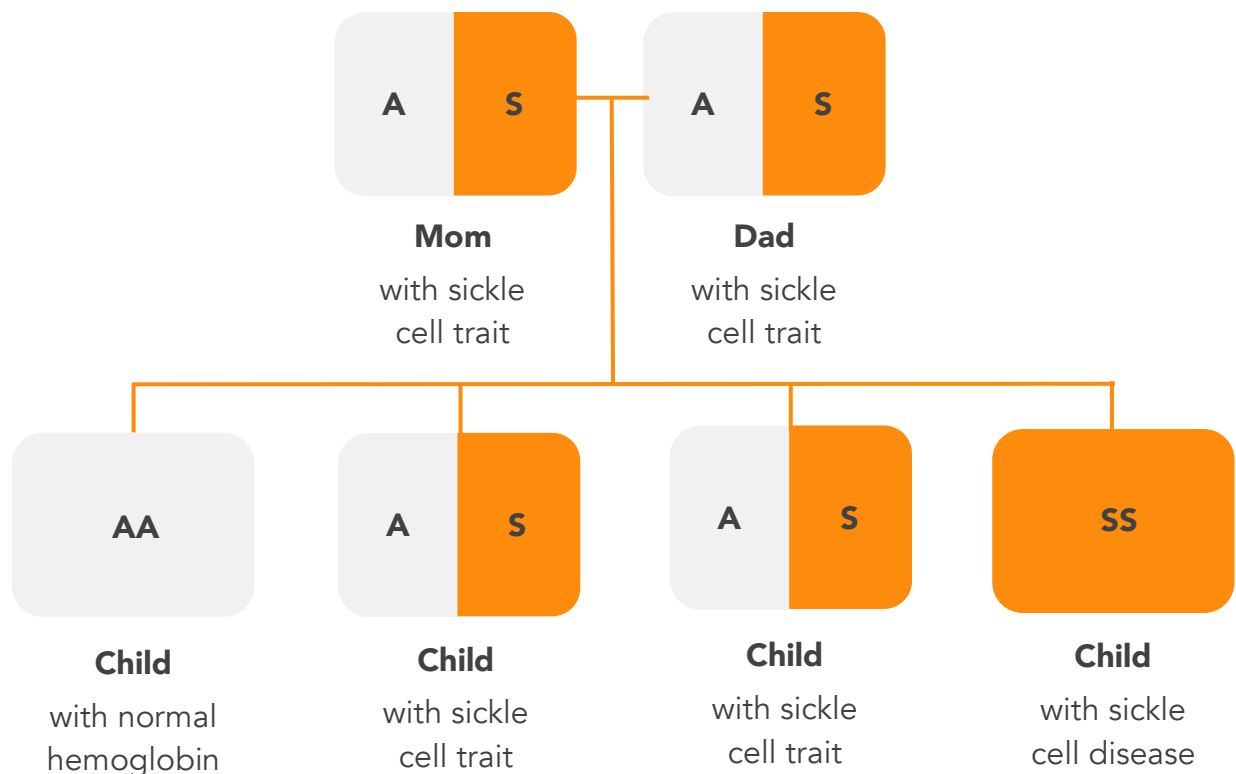
Each pregnancy has **100% chance** of sickle cell disease — if both parents have sickle cell disease.



Inheritance

How is sickle cell disease inherited?

Parents that carry the gene for sickle cell can pass it down to their children.



A Normal Hemoglobin

S Sickle Hemoglobin

Key Point

Each pregnancy has **25% chance** of sickle cell disease — if both parents have sickle cell trait.

