Hemophilia A is typically an X-linked, inherited bleeding disorder caused by an insufficient or nonfunctioning coagulation protein, factor VIII. It is caused by mutations in the F8 clotting factor gene."

HEMOPHILIA ARISES SPONTANEOUSLY — WITHOUT DIRECT FAMILY HISTORY — IN 1 IN 3 CASES.

Hemophilia A is the most common type of hemophilia disorder.

~1 IN 4,000–10,000
HEMOPHILIA A PRESENT IN MALE BIRTHS

80-85% OF TOTAL HEMOPHILIA POPULATION

~900K
GLOBAL POPULATION LIVING WITH HEMOPHILIA A

INCIDENCE/PREVALENCE:

SYMPTOMS AND PRIMARY TISSUES/ORGANS AFFECTED

Depending on severity, Hemophilia A can cause prolonged or spontaneous bleeding especially into the muscles and joints or internal organs.

Although any bleed can be serious, the severity and frequency depends on the baseline level of factor VIII protein present. In patients with severe disease, excessive bleeding can occur without a triggering injury. Untreated serious bleeds can lead to long-term irreversible damage or even death.

AGE OF ONSET/DIAGNOSIS

Hemophilia A severity has traditionally been defined based on the residual amount of FVIII in the blood.

> 5-40% = MILD  |  1-5% = MODERATE  |  < 1% = SEVERE

HEMOPHILIA A IN HISTORY

A PHILADELPHIA DOCTOR IDENTIFIES AN INHERITED BLEEDING DISORDER PRIMARILY AFFECTING MEN

1803
1947
1984

FIRST LABORATORY DISTINCTION BETWEEN HEMOPHILIA A AND B

THE F8 GENE WAS FIRST CLONED

CURRENT STANDARD OF CARE

REPLACEMENT OF CLOTTING FACTOR THROUGH REGULAR INFUSIONS.

X Y
Father: without hemophilia

XY
Mother carries the gene

XX
Daughter carries the gene

XY
Daughter does not carry the gene

X X
Son has hemophilia

XX
Mother carries the gene

Son: does not carry the gene

Daughter: does not carry the gene

Inhibitors: Complications with current standard of care

Some people with Hemophilia A develop inhibitors, proteins in the blood that inactivate infused clotting factor, so bleeding episodes continue even with treatment.

~33% OF PEOPLE WITH SEVERE HEMOPHILIA A DEVELOP INHIBITORS

INHIBITORS: COMPLICATIONS WITH CURRENT STANDARD OF CARE

ADVANCE YOUR KNOWLEDGE ABOUT GENE THERAPY, BE INFORMED, FEEL EMPOWERED.

FOR INFORMATION ABOUT GENE THERAPY RESEARCH FOR HEMOPHILIA
Check out www.hemophiliaforward.com

Spark HEMOPHILIA FOREWARD.