

A. National Hemophilia Organization

Organization name	Czech Society of Hemophilia
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Please [Click Here](#) to validate Organization contact information

The WFH would like to know how you collect the data you are providing for this survey. If you have a registry, we would like to know more about the registry. A registry is a regularly updated centralized list of identified people with hemophilia (PWH) or inherited bleeding disorders. A registry includes information on personal details, diagnosis, treatment, and complications.

What is the source of the numbers provided for this survey?	Check one <input type="checkbox"/> Hemophilia Society and/or NMO registry or database <input checked="" type="checkbox"/> Hospital(s)/HTC(s) registry or database <input type="checkbox"/> Health Ministry registry or database <input type="checkbox"/> Other (please describe):
How often is your database updated?	<input checked="" type="checkbox"/> Ongoing update (can be updated anytime) <input type="checkbox"/> Yearly update (the registry is updated once each year) <input type="checkbox"/> Other (please describe):
Who updates the database?	<input type="checkbox"/> Doctors update the database <input type="checkbox"/> Patient organization updates the database <input checked="" type="checkbox"/> Hospitals or clinics update the database <input type="checkbox"/> Other (please describe):

Please [Click Here](#) to validate Data source

B. Identified patients

(Please DO NOT estimate or guess)	Number	Not known
1. Total number of identified people with hemophilia A or B, or type unknown (PWH)	1066	<input type="checkbox"/>
2. Number of identified people with von Willebrand disease (VWD)	804	<input type="checkbox"/>
3. Number of identified people with other hereditary bleeding disorders (including rare factor deficiencies and inherited platelet disorders. See question 6 for the list of specific disorders.)	77	<input type="checkbox"/>
Do you consider these numbers to be accurate?	Yes <input checked="" type="checkbox"/>	Not sure <input type="checkbox"/>

Please [Click Here](#) to validate number of patients

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4. Number of people with Hemophilia and von Willebrand disease by age group

Age group	Number with hemophilia A	Number with hemophilia B	Number with hemophilia type unknown	Number with vWD
0 - 4 years old	41	7	0	10
5 - 13 years old	102	19	0	65
14 - 18 years old	57	8	0	40
19 - 44 years old	432	51	0	371
45 years or older	298	51	0	318
Patients with age Unknown	0	0	0	0
No age data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The age distribution of Hemophilia A, B and unknown should be equal to the number of PWH in question B1
The age distribution of vWD should be equal to the number of vWD in question B2

Do you consider these numbers to be accurate?	Yes <input type="checkbox"/>	Not sure <input checked="" type="checkbox"/>
5. Do you collect age data in a format that does not match question 4? (If you do collect age data in another format, please send it to the WFH in a separate attachment.)		Yes <input type="checkbox"/>

Please [Click Here](#) to validate Age section

6. Type of hereditary bleeding disorder

The sum of *Male*, *Female*, and *Gender Unknown* should be equal to Total.

Diagnosis	Total	Male	Female	Gender unknown	No data
Hemophilia A	930	930	0	0	<input type="checkbox"/>
Hemophilia B	136	136	0	0	<input type="checkbox"/>
Hemophilia, type unknown	0	0	0	0	<input type="checkbox"/>
von Willebrand disease	804	220	256	328	<input type="checkbox"/>
Factor I deficiency	0	0	0	0	<input type="checkbox"/>
Factor II deficiency	1	0	1	0	<input type="checkbox"/>
Factor V deficiency	5	1	4	0	<input type="checkbox"/>
Factor V+VIII deficiency	0	0	0	0	<input type="checkbox"/>
Factor VII deficiency	33	14	19	0	<input type="checkbox"/>
Factor X deficiency	4	3	1	0	<input type="checkbox"/>
Factor XI deficiency	17	9	8	0	<input type="checkbox"/>
Factor XIII deficiency	2	1	1	0	<input type="checkbox"/>
Rare factor deficiency: type unknown	15	4	11	0	<input type="checkbox"/>
Platelet disorders: Glanzmann's thrombasthenia					<input type="checkbox"/>
Platelet disorders: Bernard Soulier Syndrome					<input type="checkbox"/>
Platelet disorders: other or unknown					<input type="checkbox"/>

The sum of Totals Hemophilia A, B, and type unknown should be equal to the number of PWH in question B1.

The Total of vWD should be equal to the number of vWD in question B2

The sum of Total of the all other bleeding and platelets disorders should be equal to the number of OBD in question B3

Do you consider these numbers to be accurate?	Yes <input checked="" type="checkbox"/>	Not sure <input type="checkbox"/>
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Please [Click Here](#) to validate Gender section

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7. How are patients with rare bleeding disorders (deficiency in FI, FII, FV, FV+VIII, FVII, FX, FXI FXIII) classified?

Factor level measurements <input checked="" type="checkbox"/>	Clinical diagnosis <input type="checkbox"/> (bleeding, family history)	Other <input type="checkbox"/> (please describe):	No data <input type="checkbox"/>
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How are patients with von Willebrand Disease classified?

Factor level measurements <input checked="" type="checkbox"/>	Severe bleeding symptoms <input type="checkbox"/>	Other <input type="checkbox"/> (please describe):	No data <input type="checkbox"/>
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8. Number of identified people with hemophilia by diagnosis of severity

There are three levels of **severity** of hemophilia: **mild**, **moderate**, and **severe**. The severity of hemophilia depends on the amount of clotting factor in the person's blood.

A person (male or female) with 5-40 per cent of the normal amount of clotting factor has **mild** hemophilia.

A person (male or female) with between 1-5 per cent of the normal amount of clotting factor has **moderate** hemophilia.

A person (male or female) with less than 1 per cent of the normal amount of clotting factor has **severe** hemophilia.

A woman who has less than 40 per cent of the normal level of clotting factor is no different from a man with the same factor levels—she has hemophilia.

Type of hemophilia	Mild (factor level above 5%)	Moderate (factor level 1% to 5%)	Severe (factor level below 1%)	Severity unknown	No Data
Hemophilia A male	438	148	308	36	<input type="checkbox"/>
Hemophilia A female	0	0	0	0	<input type="checkbox"/>
Hemophilia B male	36	44	50	6	<input type="checkbox"/>
Hemophilia B female	0	0	0	0	<input type="checkbox"/>

The sum of Hemophilia A Male mild, moderate, severe and unknown should be equal to number of Hemophilia A Male in question 6

The sum of Hemophilia A Female mild, moderate, severe and unknown should be equal to number of Hemophilia A female in question 6

The sum of Hemophilia B Male mild, moderate, severe and unknown should be equal to number of Hemophilia B Male in question 6

The sum of Hemophilia B Female mild, moderate, severe and unknown should be equal to number of Hemophilia B female in question 6

Do you consider these numbers to be accurate?	Yes <input checked="" type="checkbox"/>	Not sure <input type="checkbox"/>
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9. Number of severe VWD patients

Total number of severe (type 3) VWD patients	Number of VWD patients receiving replacement therapy	Number of VWD patients with severe bleeding symptoms	No Data
23	138	71	<input type="checkbox"/>

Do you consider these numbers to be accurate?	Yes <input type="checkbox"/>	Not sure <input checked="" type="checkbox"/>
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10. INHIBITORS: Number of identified people with hemophilia with current clinically significant inhibitors. (Patients who do not respond to normal treatment.)

Type of hemophilia	Total number with active inhibitors	New cases of inhibitors in 2014	No Data
Hemophilia A	16	3	<input type="checkbox"/>
Hemophilia B	2	0	<input type="checkbox"/>

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Please [Click Here](#) to validate classification, severity and inhibitors

11. Products used to treat hemophilia: How many patients were treated with the following products? (Please note: we are asking for a number, not a percentage.)

Treatment product	Number treated	Product is available	Product is used	Product is not used
Plasma		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cryoprecipitate		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Plasma-derived concentrate	438	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Recombinant concentrate	219	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DDAVP (Desmopressin)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. Products used to treat VWD: How many patients were treated with the following products? (Please note: we are asking for a number, not a percentage.)

Treatment product	Number treated	Product is available	Product is used	Product is not used
Plasma		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cryoprecipitate		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Plasma-derived concentrate	138	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DDAVP (Desmopressin)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. HIV and hepatitis C infection among living people with hemophilia (Please note: we are asking for a number, not a percentage.)

Infectious Disease	Number of people infected	Number of people tested	No Data
HIV	3	823	<input type="checkbox"/>
Hepatitis C	205	1010	<input type="checkbox"/>

14. HIV and hepatitis C infection among living people with von Willebrand disease (Please note: we are asking for a number, not a percentage.)

Infectious Disease	Number of people infected	Number of people tested	No Data
HIV	0	230	<input type="checkbox"/>
Hepatitis C	2	399	<input type="checkbox"/>

15. Number and cause of deaths of people with bleeding disorders (January 1-December 31, 2014)

Cause of death	Number of people with Hemophilia A & B	Number of people with von Willebrand disease	Number of people with other inherited bleeding disorders
Bleeding			
HIV			
Liver disease			
Other causes	2	0	0

Please [Click Here](#) to validate products, HIV, HCV, and cause of death sections

C. Hemophilia Care System in Your Country

A Hemophilia Treatment Centre (HTC) is a medical centre providing basic diagnosis and treatment for inherited bleeding disorders.

A Hemophilia Comprehensive Care Centre (HCCC) is a medical centre providing a full range of facilities for the diagnosis and management of inherited bleeding disorders.

16. How many hemophilia treatment centres are there in your country?	9
Of these, how many are hemophilia comprehensive care centres ?	3
Percentage of hemophilia patients with access to hemophilia treatment centres:	100

Prophylaxis is regular, long-term treatment with clotting factor concentrates to prevent bleeds. Please indicate if the percentage provided is precise or an estimate.

17. What percentage of eligible children (under age 18) with severe hemophilia are on prophylaxis?	84	Precise: <input checked="" type="checkbox"/> Estimate: <input type="checkbox"/>	Not known <input type="checkbox"/>
What percentage of eligible adults (over age 18) with severe hemophilia are on prophylaxis?	47	Precise: <input checked="" type="checkbox"/> Estimate: <input type="checkbox"/>	Not known <input type="checkbox"/>

Please [Click Here](#) to validate Care section

D. The Cost and Use of Factor Concentrates

18. Annual usage of factor concentrates	Factor VIII	Not known	Factor IX	Not known
IN TOTAL how many international units (IU) of factor concentrates were used in your country in 2014?	51 721 750	<input type="checkbox"/>	5 415 520	<input type="checkbox"/>
How many international units of plasma-derived concentrates were used in your country in 2014?	33 325 500	<input type="checkbox"/>	4 814 700	<input type="checkbox"/>
How many international units of recombinant concentrates were used in your country in 2014?	18 396 250	<input type="checkbox"/>	600 820	<input type="checkbox"/>

The sum of Total of FVIII should be equal to sum of FVIII plasma-derived and FVIII recombinant
 The sum of Total of FIX should be equal to sum of FIX plasma-derived and FIX recombinant

Of the number reported above how many international units were humanitarian aid ?	0	<input type="checkbox"/>	0	<input type="checkbox"/>
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Do you consider these numbers to be accurate?	Yes <input checked="" type="checkbox"/>	Not sure <input type="checkbox"/>
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PLEASE NOTE: If a product used in your country is not listed, please add it at the bottom of the appropriate table.

Currency: CZK	Tax included? No <input type="checkbox"/> Yes <input type="checkbox"/>	Tax rate:
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Please [Click Here](#) to validate Factors section

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19. Factor VIII Concentrates used in 2014

(Please check the box on the left if a product is used, and if known, fill out the cost per international unit in the currency used to purchase the product. Please indicate if this price includes tax.)

Used	Brand Name	Manufacturer	Price per IU
<input type="checkbox"/>	Aafact	Sanquin	
<input checked="" type="checkbox"/>	Advate rAHF PFM	Baxter Bioscience	
<input type="checkbox"/>	Aleviate	CSL Behring	
<input type="checkbox"/>	Alphanate	Grifols	
<input type="checkbox"/>	Amofil	Sanquin OY	
<input type="checkbox"/>	Beriate P	CSL Behring	
<input type="checkbox"/>	BIOSTATE	CSL Bioplasma	
<input type="checkbox"/>	Conco-eight-HT	Benesis	
<input type="checkbox"/>	Confact F	Kaketsuken	
<input type="checkbox"/>	Cross Eight M	Japanese Red Cross	
<input type="checkbox"/>	Elocta/Eloctate	Biogen Idec	
<input type="checkbox"/>	Emoclot D.I.	Kedrion	
<input type="checkbox"/>	FACTANE	LFB	
<input type="checkbox"/>	Factor 8 Y	BioProducts Lab.	
<input type="checkbox"/>	Faktor VIII SDH Intersero	Intersero	
<input checked="" type="checkbox"/>	Fanhdi	Grifols	
<input type="checkbox"/>	GreenEight	GreenCross	
<input type="checkbox"/>	GreenGene	GreenCross	
<input type="checkbox"/>	GreenMono	Greencross Corp	
<input checked="" type="checkbox"/>	Haemate P (= Haemate HS)	CSL Behring	
<input checked="" type="checkbox"/>	Haemoctin SDH	Biotest	
<input type="checkbox"/>	Haemosolvate Factor VIII	National Bioproducts	
<input checked="" type="checkbox"/>	Helixate NexGen = Helixate FS	CSL Behring	
<input type="checkbox"/>	Hemofil M AHF	Baxter BioScience	
<input type="checkbox"/>	HEMORAAS SD plus H	Shanghai RAAS	
<input type="checkbox"/>	HEMORAAS-HP, SD plus H	Shanghai RAAS	
<input type="checkbox"/>	HEMORAAS-IP, SD plus H	Shanghai RAAS	
<input type="checkbox"/>	Humate P	CSL Behring	
<input type="checkbox"/>	Humafaktor 8	Human BioPlazma	
<input type="checkbox"/>	Human Coagulation Factor VIII	Baltijas Terapeitiskais Serviss	
<input checked="" type="checkbox"/>	Immunate	Baxter BioScience	
<input type="checkbox"/>	Koate DVI	Talecris	
<input checked="" type="checkbox"/>	Kogenate FS = KOGENATE Bayer (in EU)	Bayer	
<input type="checkbox"/>	Monoclata P	CSL Behring	
<input type="checkbox"/>	Novoeight	NovoNordisk	
<input checked="" type="checkbox"/>	Octanate	Octapharma	
<input type="checkbox"/>	Octanativ-M	Octapharma	

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<input type="checkbox"/>	Octavi SD	Octapharma	
<input type="checkbox"/>	Optivate	Bio Products Laboratory	
<input checked="" type="checkbox"/>	Recombinate rAHF	Baxter BioScience	
<input type="checkbox"/>	ReFacto AF	Pfizer (Wyeth)	
<input type="checkbox"/>	Replenate	Bio Products Laboratory	
<input checked="" type="checkbox"/>	Wilate	Octapharma	
<input type="checkbox"/>	Xyntha	Pfizer (Wyeth)	
<input type="checkbox"/>	Other:		

20. Factor IX Concentrates used in 2014

(Please check the box on the left if a product is used, and if known, fill out the cost per international unit in your currency.)

Used	Brand Name	Manufacturer	Price per IU
<input type="checkbox"/>	Aimafix	Kedrion	
<input type="checkbox"/>	AlphaNine SD	Grifols	
<input type="checkbox"/>	Alprolix	Biogen Idec	
<input type="checkbox"/>	BeneFIX	Wyeth	
<input type="checkbox"/>	Berinin-P = Berinin HS	CSL Behring	
<input type="checkbox"/>	BETAFACT	LFB	
<input type="checkbox"/>	Christmassin-M	Benesis	
<input type="checkbox"/>	Factor IX Grifols	Grifols	
<input type="checkbox"/>	Faktor IX SDN	Biotest	
<input type="checkbox"/>	Fixnove	Baxter	
<input type="checkbox"/>	Hemo-B-RAAS	Shanghai RAAS	
<input type="checkbox"/>	Haemonine	Biotest	
<input checked="" type="checkbox"/>	Immunine	Baxter BioScience	
<input type="checkbox"/>	MonoFIX-VF	CSL Bioplasma	
<input checked="" type="checkbox"/>	Mononine	CSL Behring	
<input type="checkbox"/>	Nanofix	Octapharma	
<input type="checkbox"/>	Nanotiv	Octapharma	
<input type="checkbox"/>	Nonafact	Sanquin	
<input type="checkbox"/>	Novact M	Kaketsuken	
<input type="checkbox"/>	Octafix	Octapharma	
<input checked="" type="checkbox"/>	Octanine F	Octapharma	
<input type="checkbox"/>	Replenine – VF	BioProducts Lab.	
<input type="checkbox"/>	Other:		

21. Prothrombin Complex Concentrates used in 2014

(Please check the box on the left if a product is used, and if known, fill out the cost per international unit in your currency.)

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Used	Brand Name	Manufacturer	Price per IU
<input type="checkbox"/>	Bebulin VH	Baxter BioScience	
<input type="checkbox"/>	Beriplex P/N	CSL Behring	
<input type="checkbox"/>	Cofact	Sanquin	
<input type="checkbox"/>	Facnyne	Greencross Corp	
<input type="checkbox"/>	Haemosolvex Factor IX	National Bioproducts	
<input type="checkbox"/>	HT DEFIX	SNBTS	
<input type="checkbox"/>	Kanokad Confidex	LFB	
<input type="checkbox"/>	KASKADIL	LFB	
<input type="checkbox"/>	Octaplex	Octapharma	
<input type="checkbox"/>	PPSB-HT	Nihon Pharmaceutical	
<input type="checkbox"/>	PPSB-human SD/Nano 300/600	German Red Cross NSTOB	
<input type="checkbox"/>	Profilnine SD	Grifols	
<input type="checkbox"/>	Proplex – T	Baxter BioScience	
<input type="checkbox"/>	Prothrombinex PXT	CSL Bioplasma	
<input type="checkbox"/>	Prothrombinex- VF	CSL Bioplasma	
<input type="checkbox"/>	Prothromplex-T	Baxter BioScience	
<input type="checkbox"/>	Prothroras	Shanghai RAAS	
<input type="checkbox"/>	UMAN Complex D.I.	Kedrion	
<input type="checkbox"/>	Other:		

22. Other Products used in 2014

(Please check the box on the left if a product is used, and if known, fill out the cost per international unit in your currency.)

Used	Brand Name	Manufacturer	Price per IU
<input type="checkbox"/>	Aryoseven	Aryogen	
<input type="checkbox"/>	Clotfact Wilstart	LFB	
<input type="checkbox"/>	Clottagen (fibrinogen)	LFB	
<input type="checkbox"/>	Coagil 7 (activated factor VII)	Pharmstandard	Price per vial: Vial size:
<input type="checkbox"/>	FACTEUR VII	LFB	
<input type="checkbox"/>	Factor VII	Baxter BioScience	
<input type="checkbox"/>	Factor VII	Bio Products	
<input type="checkbox"/>	Factor X P Behring	CSL Behring	
<input type="checkbox"/>	Factor XI	Bio Products	
<input checked="" type="checkbox"/>	FEIBA	Baxter	
<input type="checkbox"/>	Fibrinogen HT	Benesis	
<input type="checkbox"/>	Fibrogammin P (=Fibrogammin HS) (Factor XIII)	CSL Behring	
<input type="checkbox"/>	FIBRORAAS (fibrinogen)	Shanghai RAAS	
<input type="checkbox"/>	Haemocomplettan P = Haemocomplettan HS (fibrinogen)	CSL Behring	
<input type="checkbox"/>	HEMOLEVEN (Factor XI)	LFB	

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<input checked="" type="checkbox"/>	NovoSeven (=Niasase) (activated factor VII)	NovoNordisk	Price per vial: Vial size:
<input type="checkbox"/>	Riastap	CSL Behring	
<input type="checkbox"/>	Tretten rXIII	NovoNordisk	
<input type="checkbox"/>	WILFACTIN (Von Willebrand Factor)	LFB	
<input type="checkbox"/>	Other:		

Please return to: globalsurvey@wfh.org

Fax: (514-875-8916)

or return by mail to:

World Federation of Hemophilia
1425 René Lévesque Boulevard West, suite 1010,
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Glossary of terms

Bernard-Soulier syndrome: A severe congenital bleeding disorder characterized by thrombocytopenia and large platelets, due to a defect in the platelet glycoprotein 1b/V/IX receptor.

Cryoprecipitate: A fraction of human blood prepared from fresh plasma. Cryoprecipitate is rich in factor VIII, von Willebrand factor, and fibrinogen (factor I). It does not contain factor IX.

Desmopressin (DDAVP): A synthetic hormone used to treat most mild cases of von Willebrand disease and mild hemophilia A. It is administered intravenously or by subcutaneous injection or by intranasal spray.

Factor concentrates: These are fractionated, freeze-dried preparations of individual clotting factors or groups of factors derived from donated blood.

Glanzmann's thrombasthenia: A severe congenital bleeding disorder in which the platelets lack glycoprotein IIb/IIIa, the blood platelet count is normal, but their function is very abnormal.

Hemophilia A: A condition resulting from factor VIII deficiency, also known as classical hemophilia.

Hemophilia B: A condition resulting from factor IX deficiency, also known as Christmas disease.

Hemophilia treatment centre: A specialized medical centre that provides diagnosis, treatment, and care for people with hemophilia and other inherited bleeding disorders.

HIV: Human immunodeficiency virus. The virus that causes AIDS.

Identified person: A living person known to have hemophilia, von Willebrand disease, or another bleeding disorder.

Inhibitors: A PWH has inhibitors when their body's immune system attacks the molecules in factor concentrate, rendering it ineffective.

International Unit (IU): A standardized measurement of the amount of factor VIII or IX contained in a vial. Usually marked on vials as 250 IU, 500 IU, 1000 IU or 2000 IU.

Mild hemophilia: Condition resulting from a level of factor VIII or factor IX clotting activity below normal but above 5% of normal activity in the bloodstream. (National definitions differ on the upper limit for mild hemophilia, ranging from 24% to 50%. The normal range of factor VIII or IX is 50 to 200%)

Moderate hemophilia: Condition resulting from a level of factor VIII or factor IX clotting activity between 1 to 5 % of normal activity in the bloodstream.

Plasma-derived products: Factor concentrates that contain factor VIII or IX that have been fractionated from human blood.

PWH: Person with hemophilia

Recombinant products: Factor concentrates that contain factor VIII or IX that have been artificially produced and are, therefore, not derived from human blood.

Registry: A database or record of identified people with hemophilia or inherited bleeding disorders. A registry includes information on personal details, diagnosis, treatment and complications.

Severe hemophilia: Condition resulting from a level of factor VIII or factor IX clotting activity of less than 1 % in the bloodstream.

von Willebrand disease (VWD): An inherited bleeding disorder resulting from a defect or deficiency of von Willebrand factor.