

# BLOOD SERVICES ANNUAL REPORT 2017

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**Korean Red Cross**

**BLOOD  
SERVICES  
ANNUAL  
REPORT  
2017**

Blood Services  
Annual Report 2017



Part

**About  
Korean Red Cross  
Blood Services**

- History
- Organization Chart
- Human Resources

# History

1958  
~1981

- February 1958** ● Initiation of blood services as Korean Red Cross took over the National Blood Center.
- April 1960** ● First voluntary non remunerated blood donations (VNRBD) through Korean Red Cross(62 donors) for victims of the April 19 Revolution.
- December 1965** ● The first VNRBD blood donation campaign in Korea.
- August 1970** ● The Korean government proclaimed the Blood Management Act (Act No. 2229).
- March 1971** ● First Lady Young-Soo Yook donated blood at the Red Cross Blood Center.
- April 1974** ● Korean Red Cross opened the Central Blood Center .
- April 1976** ● On World Health Day at the Sejong Grand Theater, star entertainers (Jeong-Gil Lee, Hye-Seon Jeong, Yong-Lim Kim, Kyu-Chae Park and Boo-Ja Kang) pinned blood donation ribbons on participants.
- July 1981** ● Korean Red Cross was entrusted with the national blood services by the government according to Presidential Decree No. 10285.

April 1974



April 1976



May 1984



1992



1982  
~1992

- May 1982** ● Opening the first blood donation center(fixed-site) in Daejeon.
- May 1984** ● The 6th Asia-Pacific Regional Red Cross Blood Service Meeting(Lotte Hotel, Central Red Cross Blood Center) was held in Seoul and dealt with methods to improve technical and managerial aspects of the Red Cross Blood Service. 32 representatives of 18 countries and officials from the International Federation of Red Cross and Red Crescent Societies (IFRC) participated.
- July 1987** ● Initiation of HIV antibody testing for all blood donors.
- October 1989** ● Introduction of computerized system to blood centers nationwide for blood donor management.
- December 1989** ● The number of annual blood donors exceeded one million.
- May 1991** ● Implementation of screening test for hepatitis C antibodies (EIA)
- July 1991** ● The construction of the Blood Components Research Center (currently Plasma Fractionation Center).
- 1992** ● Presidential candidates in 1992 were present at Korean National Open University's Blood Donation festival.

**1993  
~2003**

- January 1994** ● The government entrusted Korean Red Cross with the supply and management of plasma-derived medicinal products.
- April 1994** ● The government entrusted Korean Red Cross with the national bone marrow donation program.
- January 1997** ● Implementation of confirmatory tests for HCV and HIV.
- July 1998** ● Sung Duk Bau-man who received a bone marrow transplant at the Veterans Affairs Medical Center in July 5, 1996, visited the Korean Red Cross and met the President of the Korean Red Cross.
- 2002** ● To help a Korean female teacher in America who had leukemia, Linda Kim (28 years old), a campaign for donating bone marrow was run. The campaign to help Linda Kim started in Seattle, Washington and continued in Korea. About 1,700 bone marrow donor applicants were registered. However, Linda's matched HLA (histocompatibility antigen) failed and she died at the Swedish Covenant Hospital in Seattle on September 2002.
- May 2003** ● The Blood information Management System(BIMS) was established to manage all process from collection to supply.

July 1998



2002



June 2005



June 2011



June 2012

**2004  
~2017**

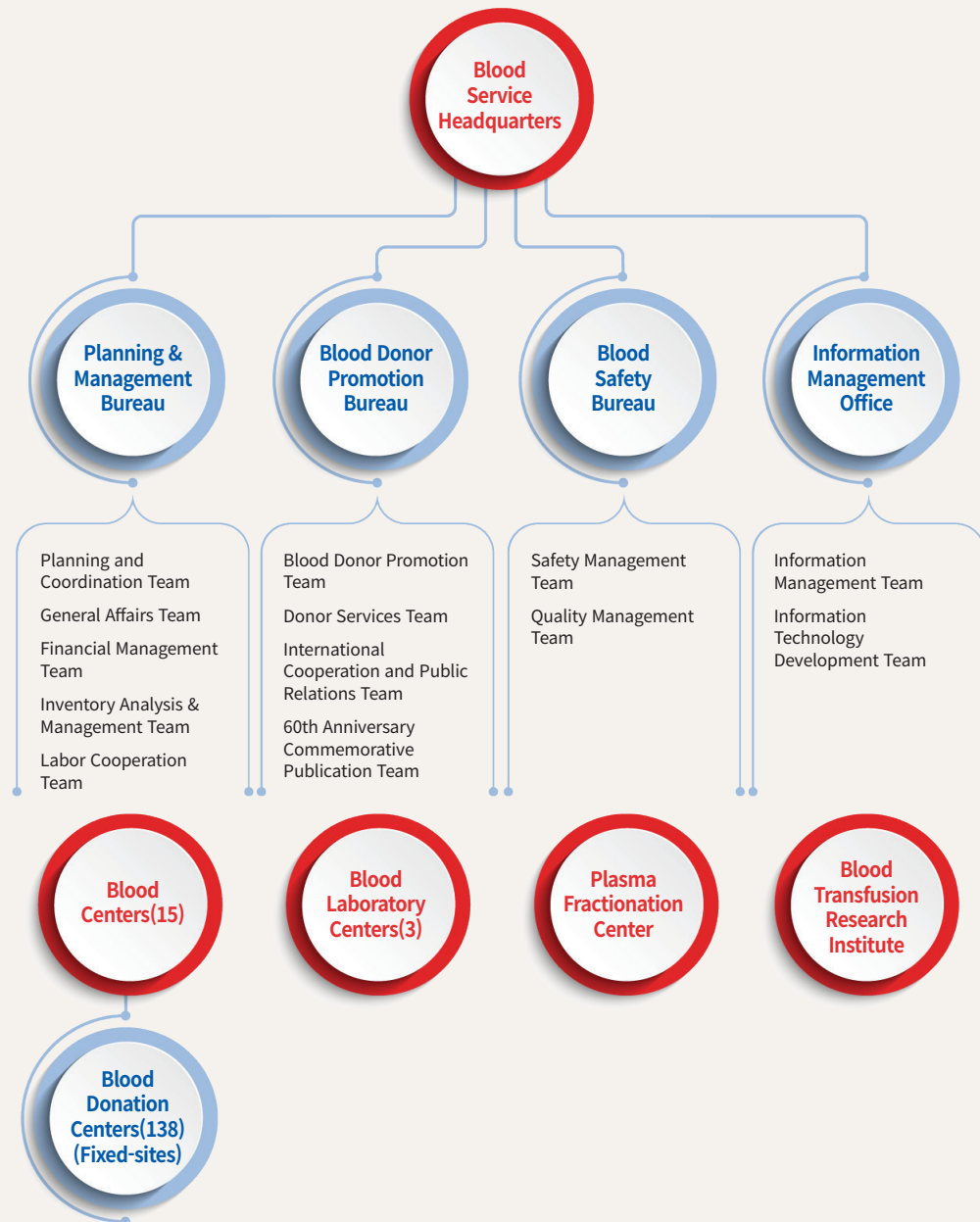
- February 2005** ● Introduction of nucleic acid amplification test for HIV and HCV.
- June 2005** ● Korean Red Cross 100th anniversary/ World Blood Donor Day Event.
- July 2007** ● Implementation of customer relationship management (CRM)
- April 2009** ● Implementation of screening test for human T-lymphotropic virus.
- September 2009** ● Introduction of computer-based blood donor self-interview system.
- June 2011** ● Launching of the smartphone app for blood donation, "Smart Blood Donation"
- June 2012** ● Introduction of nucleic acid amplification test for HBV.
- June 2012** ● Hosting the 9th World Blood Donor Day(WBDD) Global Event, and winning Guinness World Record (the largest human blood drop) in 2002
- July 2012** ● Designation of 'Blood Donation Day' on 13th of every month
- April 2016** ● Hosting Asia-Pacific Regional VNRBD Workshop in Seoul.
- March 2017** ● Abolition of ALT screening for plasmapheresis used for fractionation

April 2016



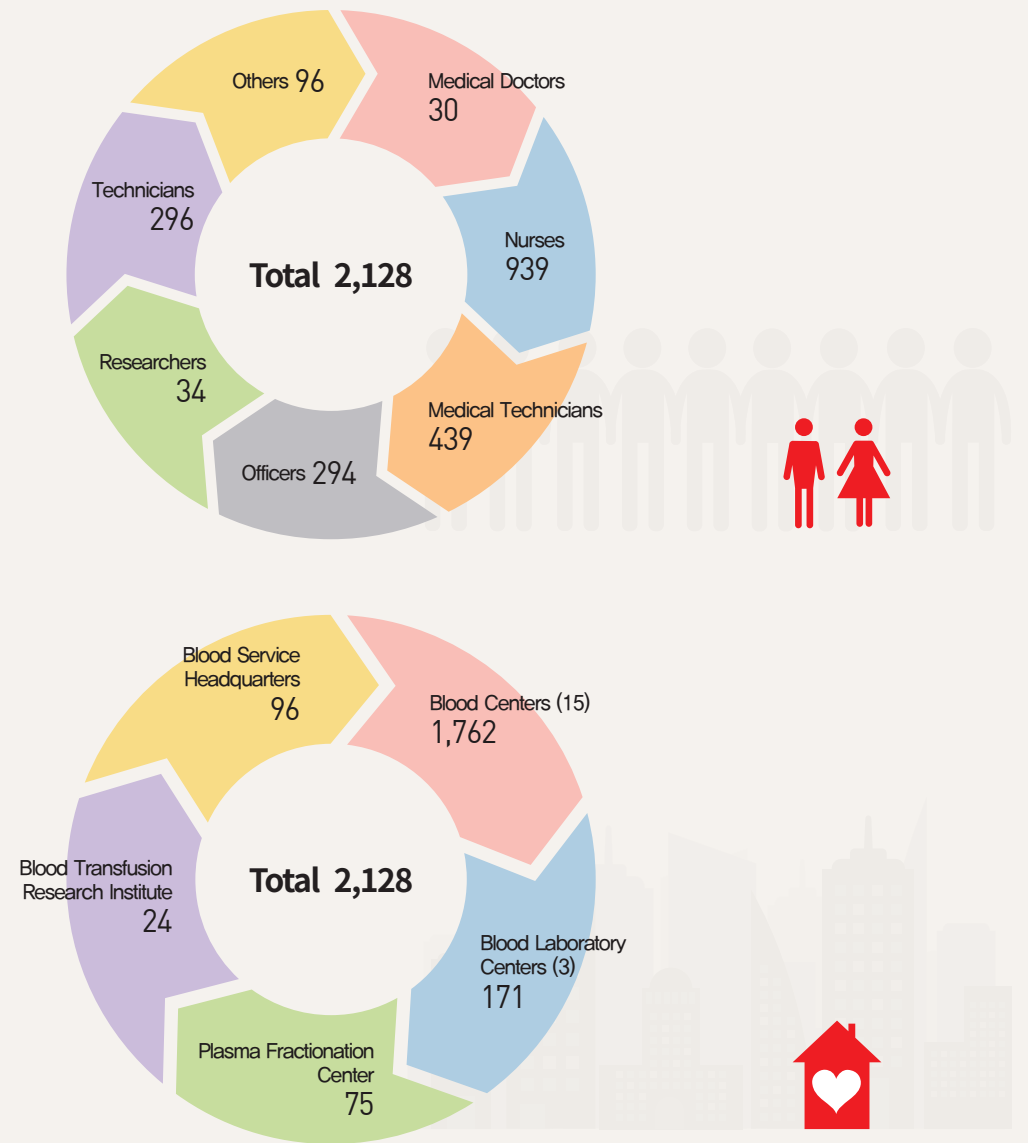
# Organization Chart

(As of December, 2017)



# Human Resources

(As of December, 2017)



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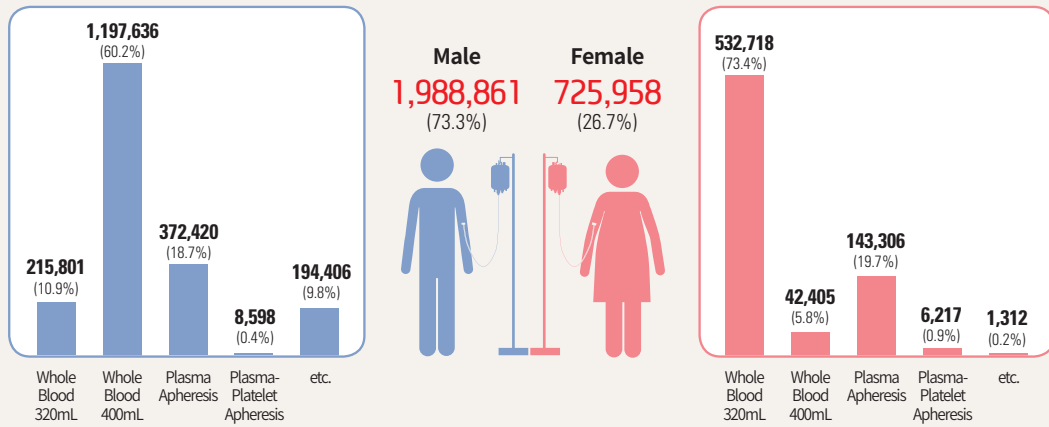
**Key Figures  
2017**

Korean Red Cross

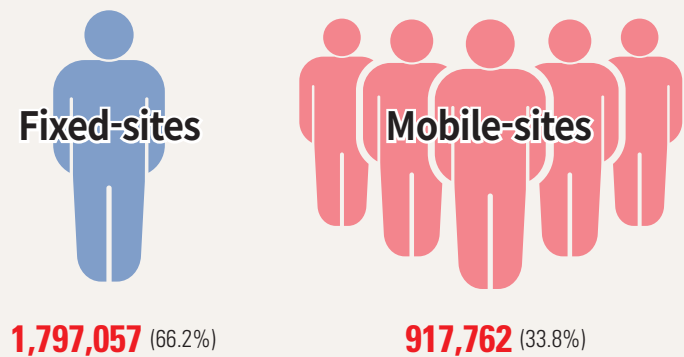
- Blood Donation by Blood Product
- Blood Donation by Place
- Blood Donation by Age
- First-time Donor
- Blood Donor Deferrals
- Blood Supply
- Blood Donation by Year

# Key Figures in 2017 \_Korean Red Cross

## Blood Donation by Blood Product



## Blood Donation by Place

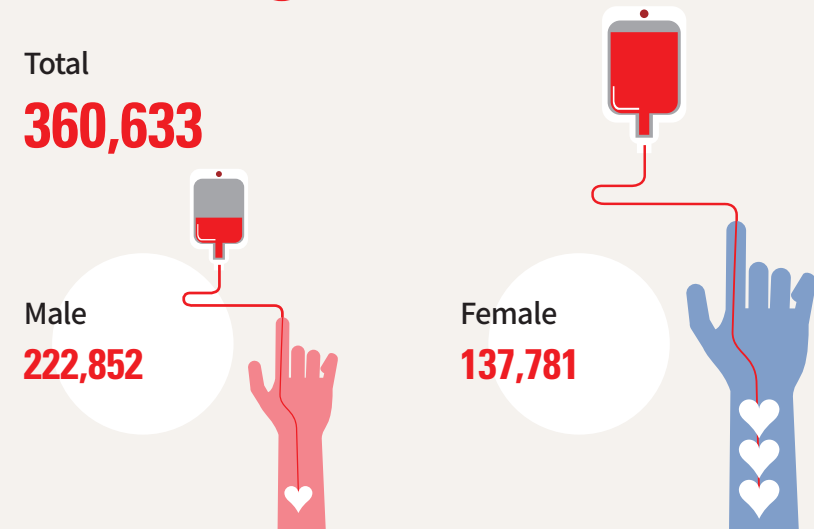


Collections in 2017  
**2,714,819** units

## Blood Donation by Age



## First-time Donor







## Blood Donor Deferrals

Female / Donation  
**725,958**



Male / Donation  
**1,988,861**

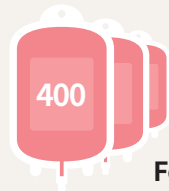
Female / Deferral  
**251,720**



Male / Deferral  
**204,962**



## Blood Supply



**400**  
For Transfusion

- Whole Blood  
**901** (0.0%)
- Platelet Apheresis  
**204,130** (3.3%)
- WB-derived Components  
**3,931,487** (62.8%)

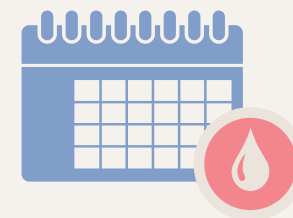
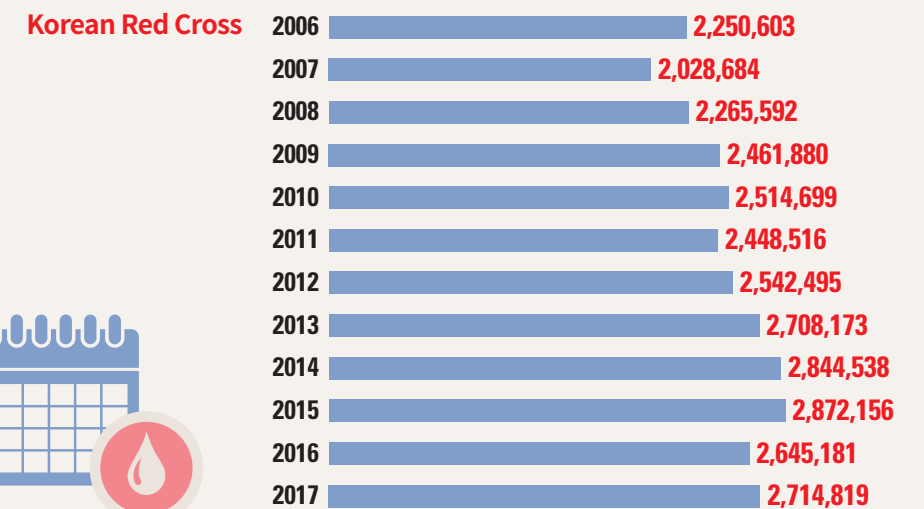
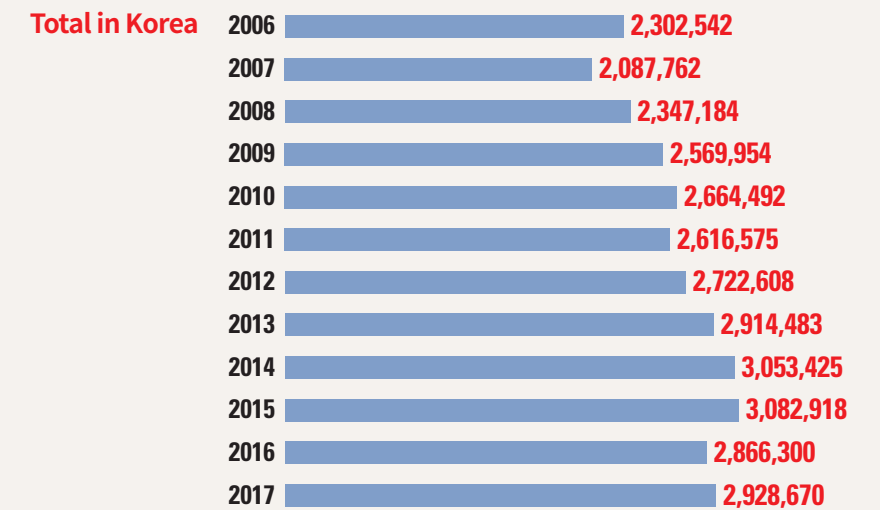


For Fractionation

- Plasma-Platelet Apheresis  
**191,506** (3.1%)
- Plasma Apheresis  
**511,394** (8.2%)
- WB-derived Plasma  
**1,416,042** (22.6%)



## Blood Donation by Year



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**Key Figures  
2017**

Korea

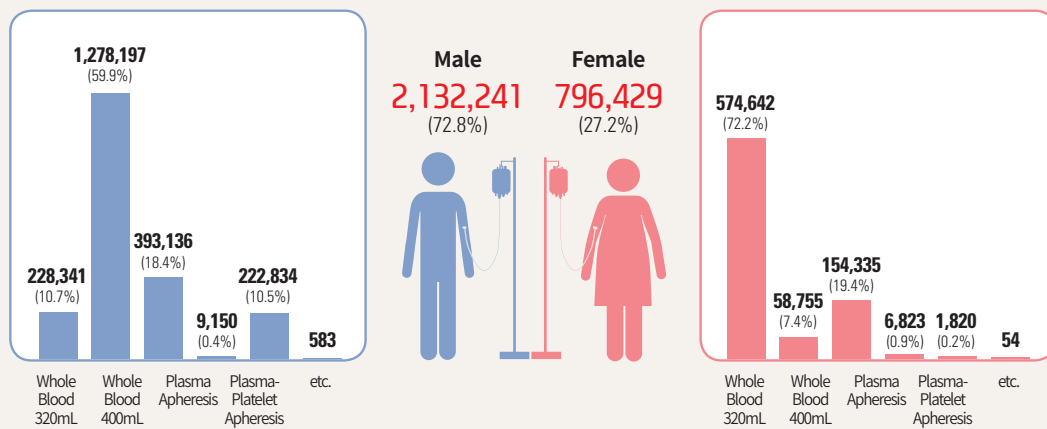
- Blood Donation by Blood Product
- Blood Donation by Place
- Blood Donation by Age
- Blood Donation by Blood Type

## Key Figures in 2017 \_Korea

\* These figures cover all blood services providers in Korea.



### Blood Donation by Blood Product



### Blood Donation by Age

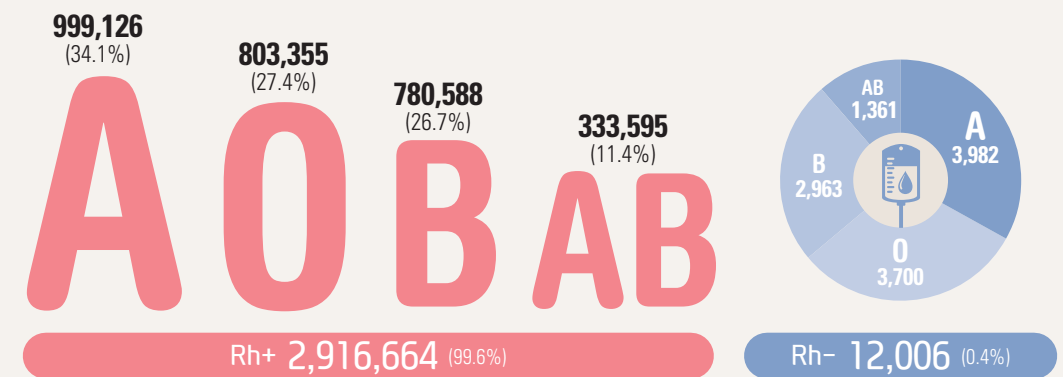


Korean Red Cross 2,714,819 units (92.7%)  
Others 213,851 units (7.3%)

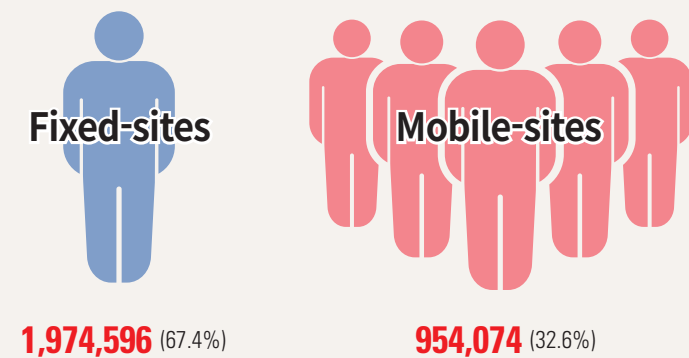
Collections in 2017  
**2,928,670 units**



### Blood Donation by Blood Type



### Blood Donation by Place



# **BLOOD SERVICES ANNUAL REPORT 2017**



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