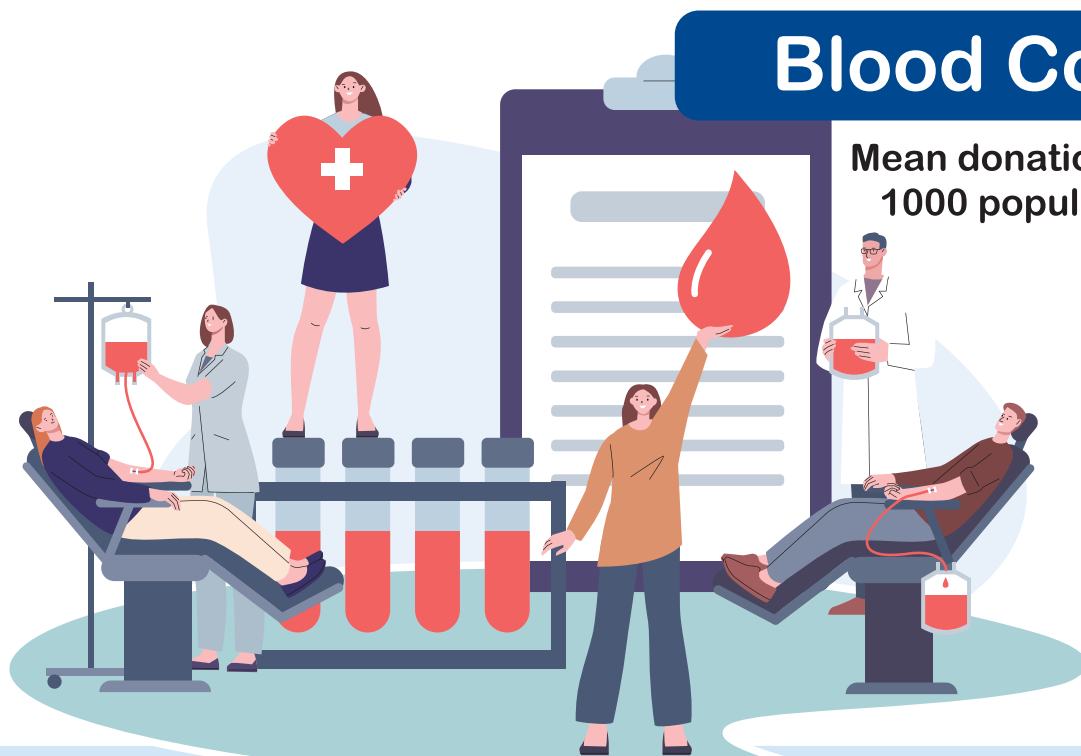# The Big Blood Picture 2024

Blood Collection

128,019 Whole Blood Collection

Mean donations/year per 1000 population: **21.2**

- **28,848** donations at Bloodbank@HSA
- **16,521** donations at Bloodbank@Woodlands
- **25,997** donations at Bloodbank@Dhoby Ghaut
- **22,749** donations at Bloodbank@Westgate Tower
- **16,382** donations at Bloodbank@One Punggol
- **17,522** donations at Blood mobiles

8,355 Apheresis Collection*

*Apheresis collection refers to donations of specific blood components such as platelets or plasma.
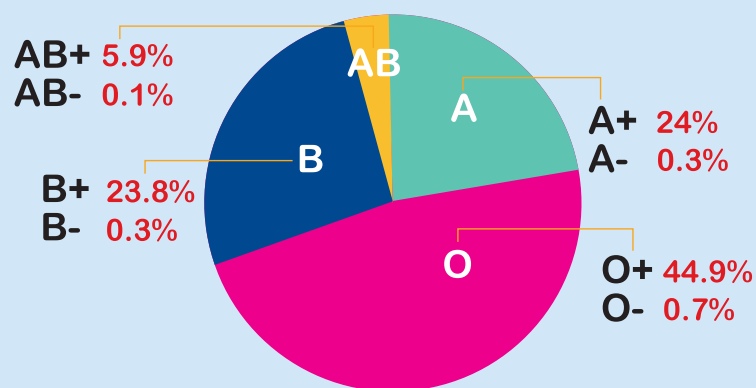
Blood Donors

- **60%** Male Donors
- **40%** Female Donors

79,365 = 1.30% of Singapore's total population

1st Time Donors	Regular Donors	Youth Donors
22%	40%	14%

Donors by Blood Type

- AB+ 5.9%
- AB- 0.1%
- A+ 24%
- A- 0.3%
- B+ 23.8%
- B- 0.3%
- O+ 44.9%
- O- 0.7%

Unless otherwise stated, all figures are for the period 1 January to 31 December 2024.

- **356** highest number of donations made by a single donor
- **24** donors made their 200th donation
- **88** donors made their 100th donation

Estimated Blood Usage Rate for 2025

- **14** units needed — 1 Hour
- **328** units needed — 1 Day
- **119,720** units needed — 1 Year

Blood Processing and Testing

415,374 blood components processed

1,449,529 laboratory tests conducted on blood components

All donated blood collected is sent for processing and testing at the HSA's laboratories before it is transfused to patients.

Annual Estimate of Singapore's Blood Usage

- Surgery (including trauma and heart surgery) **39%**
- General Medicine **32%**
- Haematology (blood diseases) **10%**
- Oncology **10%**
- Obstetrics & Gynaecology **5%**
- Others **4%**

Life-Saving Components of Blood

Medical Condition	Average Number of Units Needed Per Patient
Thalassaemia	3 to 4 red cell units per month
Coronary Artery Bypass Graft (CABG)	2 to 3 red cell units
Blood Cancer Treatment & Stem Cell Transplant	1 to 2 red cell units and 1 to 2 adult dose of platelet units per week
Road Traffic Accident	8 red cell units
Gastrointestinal Bleed	6 red cell units
Liver Transplant	10 red cell units