

# Donor Pool Insights

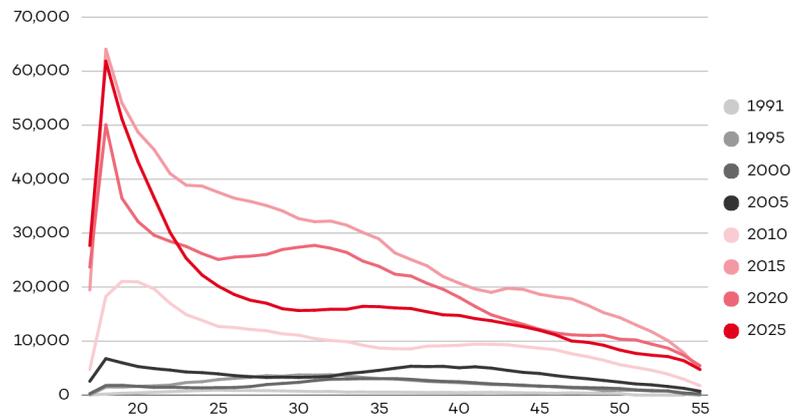
Age, Typing Quality & Diversity of our Donors

## High number of young donors

As one of the leading organizations in stem cell donation, **DKMS alone has registered more than 13 million potential blood stem cell donors globally**, contributing significantly to the international network of the World Marrow Donor Association (WMDA). Our growing registry brings together donors from seven countries on five continents and reflects our ongoing commitment to offering patients a second chance at life.

A particularly valuable aspect of our donor pool is the **high proportion of young donors**, who have been associated with improved patient survival after HLA-matched unrelated hematopoietic stem cell transplantation<sup>1</sup>. In 2025, **more than 3.1 million donors in DKMS's global registry are aged between 18 and 30, including over 1.16 million young male donors**. To stabilize this demographic, DKMS has established several quality measures and programs to recruit young donors between 17 to 25 years.

Newly recruited blood stem cell donors by age



**28%**

of all potential blood stem cell donors worldwide are DKMS donors



**35%**

of all unrelated blood stem cell donations worldwide are from DKMS donors



**75%**

of all DKMS blood stem cell donations are sent across borders to give patients worldwide a second chance at life

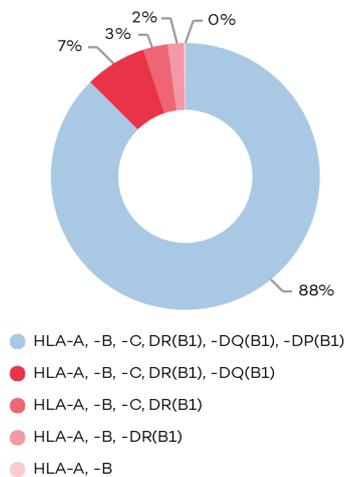
<sup>1</sup> DOI: 10.1016/j.bbmt.2018.02.006

## Together, we find the best suitable Donor

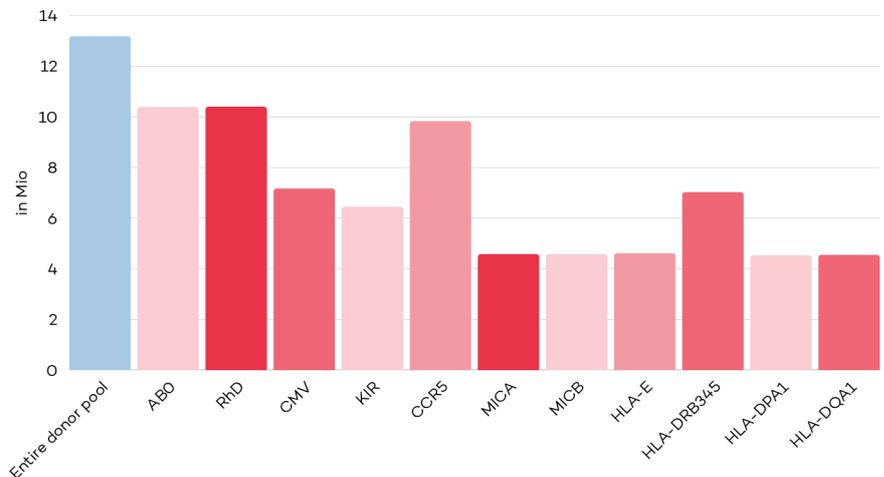
DKMS strives to maintain a **high standard of quality in typing data**. All newly recruited donors are typed in **HLA-A, -B, -C, -DRB1, -DQB1, -DPB1, -DRB 3/4/5, -DPA1, -DQA1, CCR5, ABO, RhD**, and are analyzed for their **CMV status**. Additionally, approximately 10% are genotyped **KIR, MICA** and **MICB** plus **HLA-E**.

This is reflected in the following numbers:

DKMS donors by HLA typing<sup>2</sup>



Additional markers for DKMS donors<sup>2</sup>

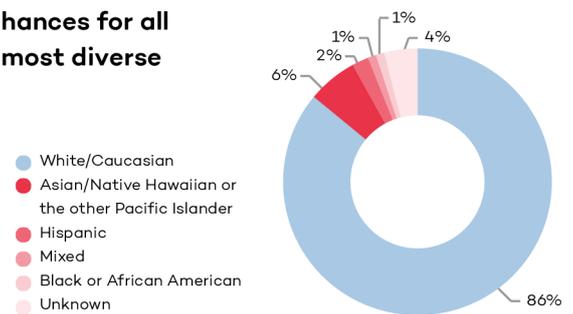


## Diversity in our Donor Pool

Ethnic diversity on the registry saves lives. As all ethnicities other than Caucasian are heavily underrepresented in the global donor database, DKMS strives to **recruit a more diverse range of donors to improve the chances for all patients** searching for a matching donor. It is **our aim to have the most diverse donor pool possible of readily available donors until 2030**.

Every year, over 1.3 million<sup>3</sup> people worldwide are diagnosed with blood cancer or other life-threatening blood disorders, and it is **our mission to find a matching donor for each of them**. International **expansion and collaborations are key** to helping patients worldwide.

Ethnicity of the donors according to self-disclosure<sup>2</sup>



## Highly Available Donors

A big portion of our database are **young registered donors with a high genotype frequency** and therefore a higher likelihood of being selected for stem cell donation. We invite them to join our quality program, which is voluntary and open only to **donors who are medically eligible to donate both via peripheral blood stem cell collection and bone marrow donation**. Participants commit to completing a **medical questionnaire every two years** and to keeping DKMS **informed about their current readiness**. A study conducted in 2024 shows that their **CT availability is 8.7% higher<sup>4</sup>**. Those donors are highlighted in our registry for your CT requests.

## DKMS

DKMS Donor Centers  
Millions of potential lifesavers

Currently we are present in Chile, Germany, India, Poland, South Africa, the UK and the US. All seven Donor Centers facilitate stem cell donations by ...

- raising awareness & education on blood cancer and stem cell donation,
- registering donors,
- providing matches for patients with blood cancers and other life-threatening blood disorders,
- and comprehensive guidance throughout the donation process.

## Contact

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## More information



professional.dkms.org

<sup>2</sup> all data as of Dec 2025 <sup>3</sup> Globocan 2020 <sup>4</sup> DOI: 10.1086/730331