



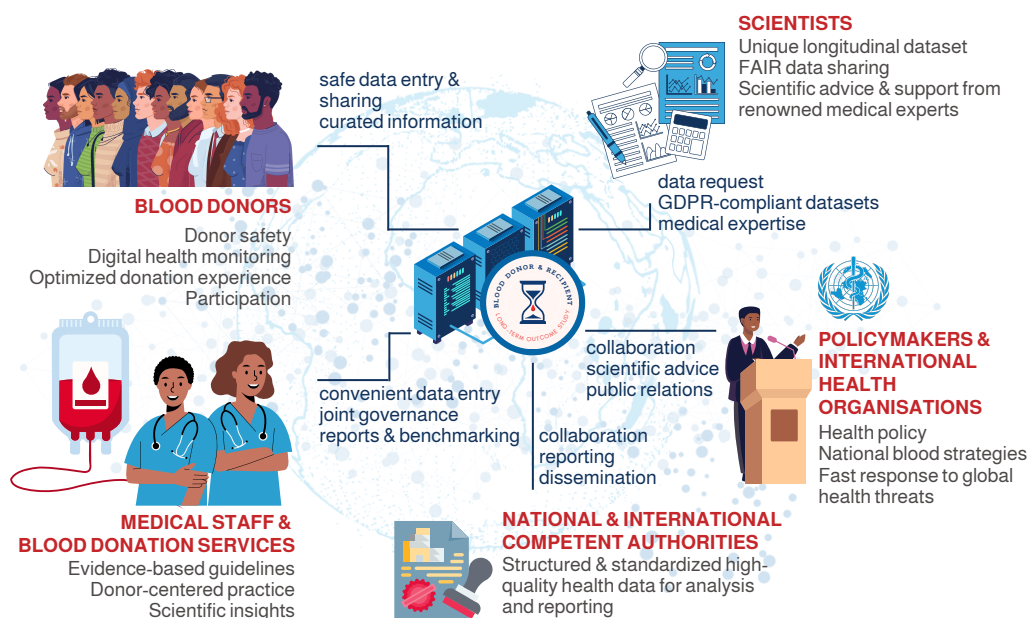
## REGISTRY STUDY FOR RESEARCH OF BLOOD DONOR AND RECIPIENT LONG-TERM OUTCOMES

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# The Blood Donor Registry: A vital contribution to modern medicine

*Blood donation is crucial for modern healthcare, yet the long-term effects on donors remain largely unknown. The Registry Study for Research of Blood Donor and Recipient Long-Term Outcomes (LOS) is a groundbreaking project designed to illuminate the impacts of regular blood donation on health, immunity, and well-being of donors by collecting data over a period of minimum 30 years.*



## THE WHO EMPHASIZES DONOR SAFETY AND LONG-TERM HEALTH MONITORING

The World Health Organization provides comprehensive guidelines for blood donation and transfusion practices through its Blood Transfusion Safety program. It advocates for a systematic approach to donor health management:

- Monitor the safety of blood donations
- Long-term tracking of the mental and physical health of donors
- Support voluntary non-remunerated donation (VNRD) as the safest option for donors and recipients

The LOS Blood Donor Registry aims to fulfill these guidelines by providing a comprehensive, long-term monitoring system for blood donor health, thus supporting evidence-based practices in blood donation.

## EMPOWERING DONORS: HEALTH MONITORING AND THE BEST POSSIBLE MEDICAL CARE

Through regular contact, the LOS Blood Donor Registry raises awareness of blood donations and shows donors that their health is being actively monitored, which strengthens their confidence in the donation process. Using the data collected, doctors at the blood donation services can identify potential risks to their donors earlier and provide them with the best possible care.

## ADDRESSING KEY UNCERTAINTIES FOR DONOR HEALTH IS CRUCIAL TO OPTIMIZE DONATIONS

- **Iron depletion:** The long-term consequences of repeated iron loss are critical for preventing potential health issues in donors.
- **Cancer risk:** Clarifying the relationship between blood donation and cancer risk will ensure life-long donor safety (Su *et al.*, 2022).
- **Cardiovascular health:** Determining the impact of high-frequency blood donation on long-term cardiovascular risks is vital for optimal donation guidelines (Karki *et al.*, 2023).
- **Mental health effects:** Understanding the interplay between mental health and blood donation behavior (Didriksen *et al.*, 2021) could improve donor care and retention strategies.
- **Donor perceptions:** Understanding how donors perceive the long-term physiological effects of donation is crucial for informed consent, donor education, and VNRD (Thorpe *et al.*, 2024).

## USER-FRIENDLY, SECURE, AND ACCESSIBLE

The LOS Blood Donor Registry prioritizes user experience and data protection. Accessible from any device or computer, the registry allows immediate implementation without additional infrastructure. This user-centric approach enhances participation, data quality, and ultimately, the study's impact on donor health and blood donation practices.