

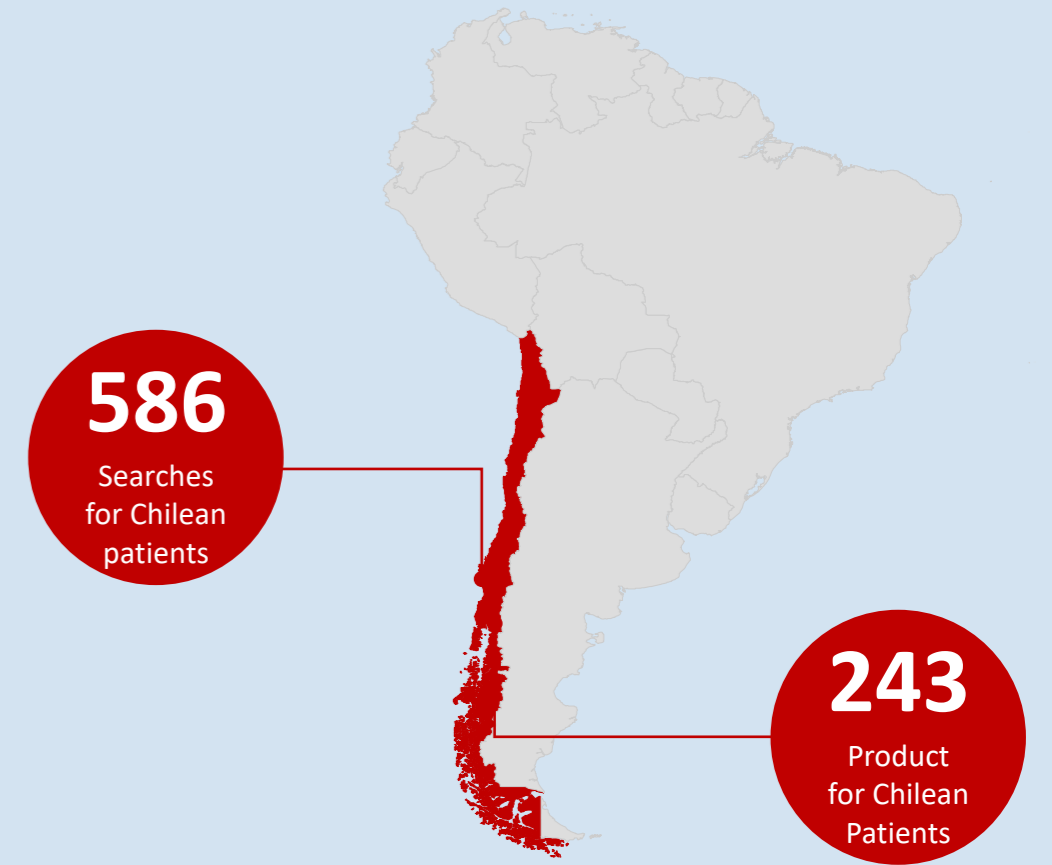
Evolution of Unrelated Donor Activity in Chile: retrospective analysis of DKMS donor searches from July 2018 - June 2024

Lorena Cerda^{1,2}, Sandra Giovanna Salamanca Pinzon¹, Nithya Babu Rajendran¹, Cristian Sotomayor³, Angélica Wietstruck³, Paula Catalán, Nicolás Rojas⁵, Julia Pingel^{1,6}, Francisco Barriga²

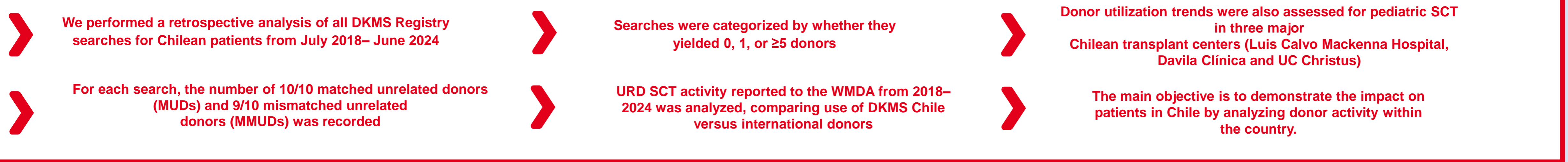
¹ DKMS Registry gGmbH – Tuebingen, Germany, ² Fundación de beneficencia pública DKMS Chile – Santiago, Chile, ³ Red Salud UC Christus – Santiago, Chile, ⁴ Hospital Luis Calvo Mackenna – Santiago, Chile, ⁵ Clínica Davila - Santiago, Chile, ⁶ DKMS Group gGmbH, Tuebingen, Germany

Background

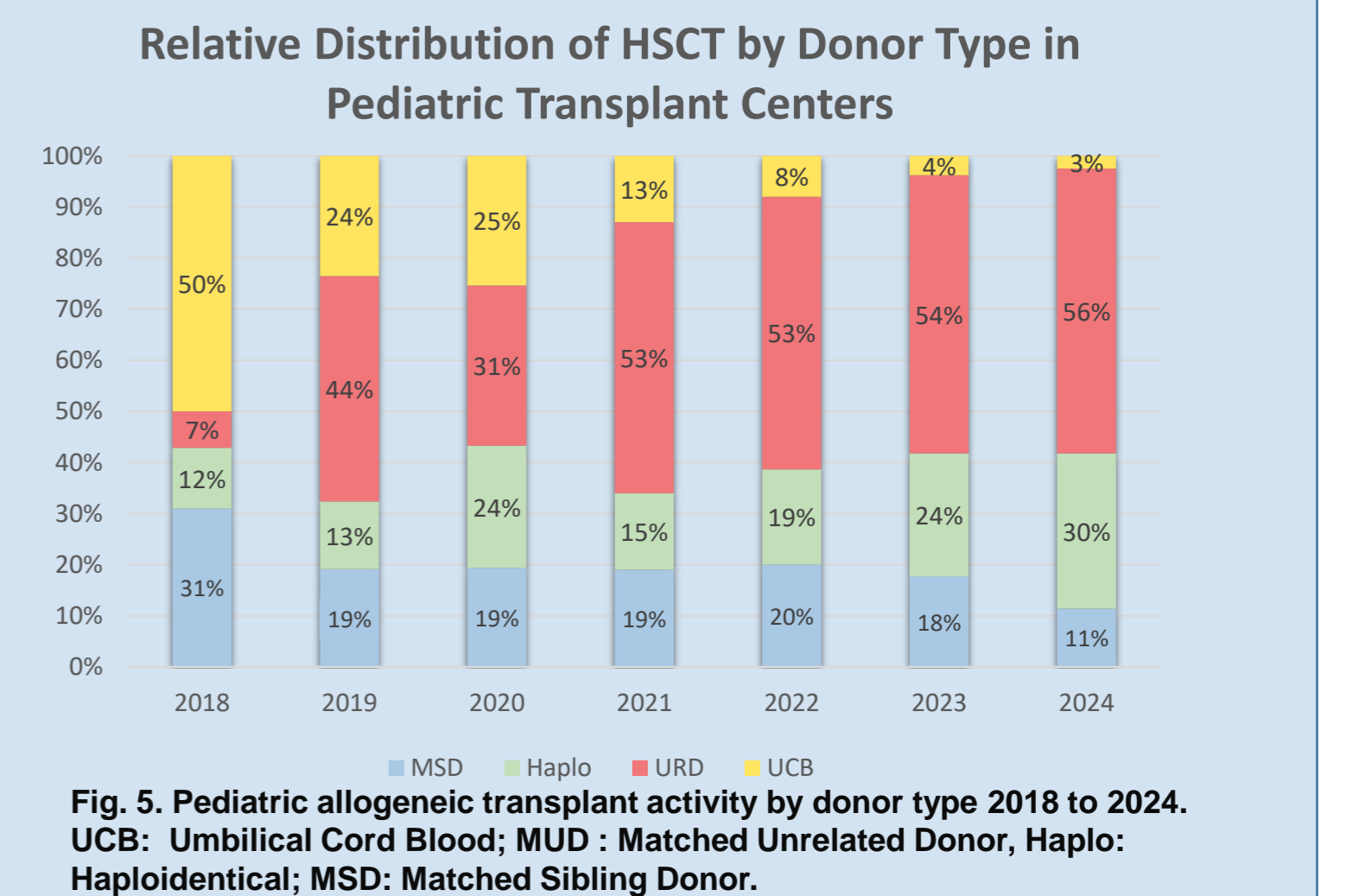
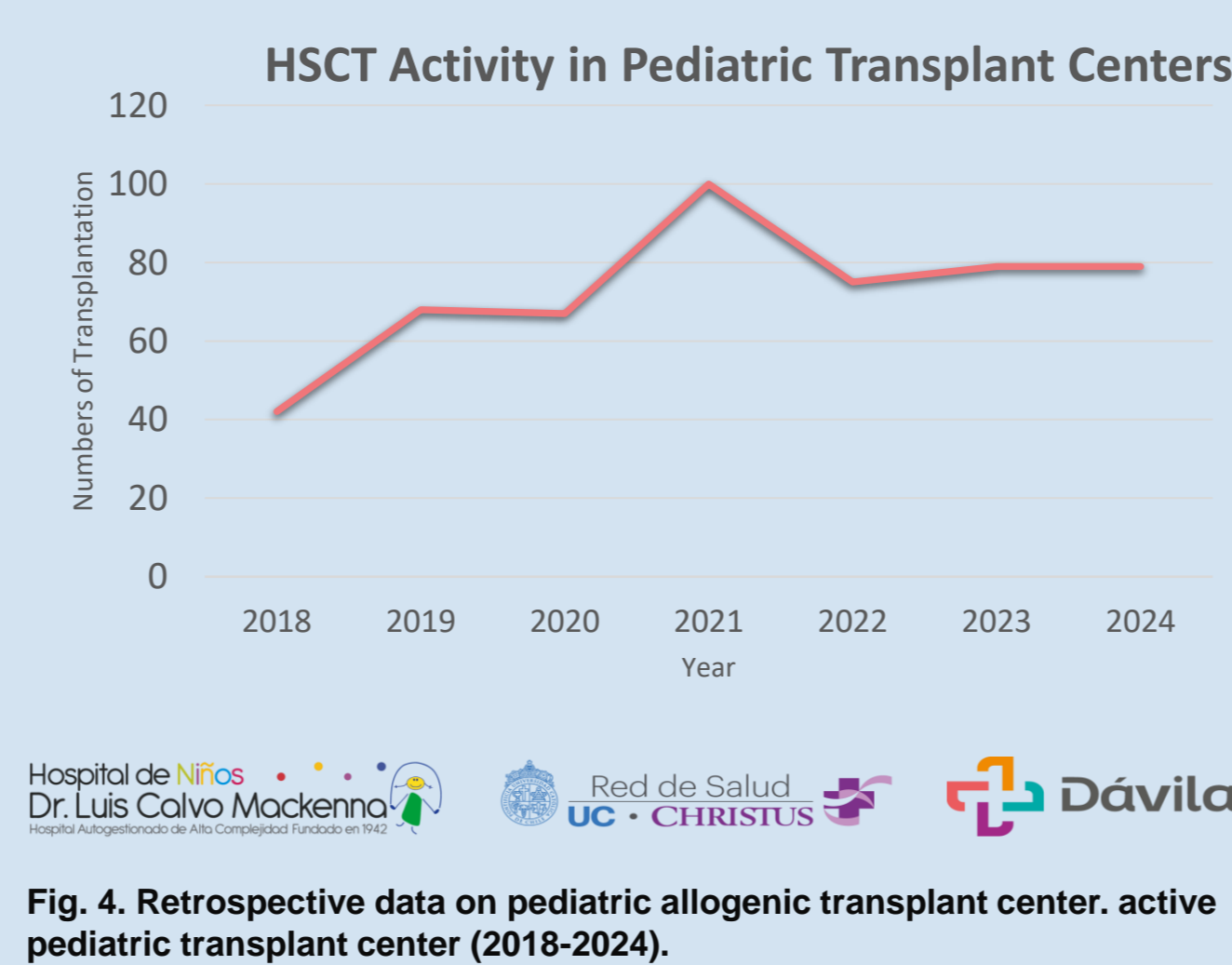
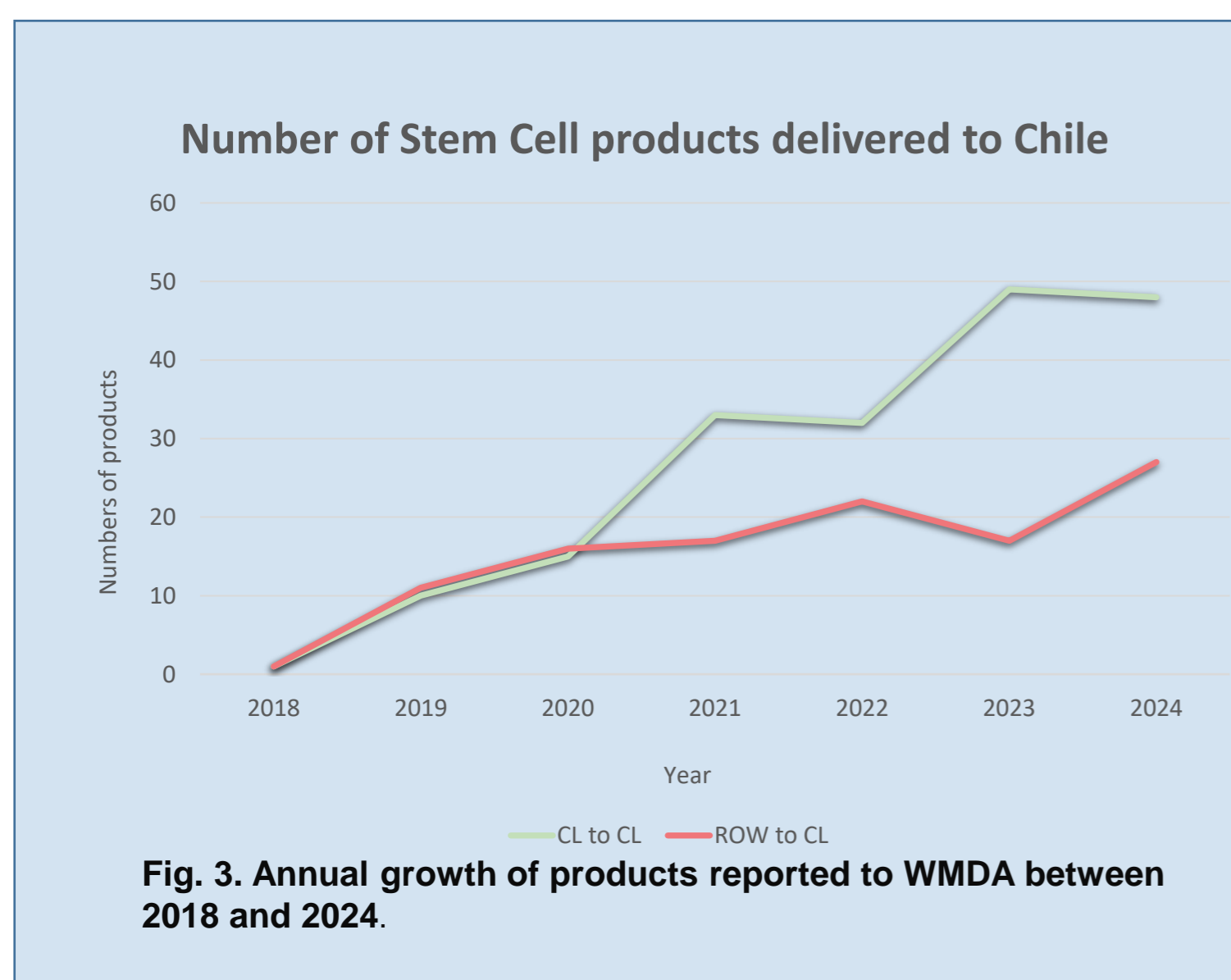
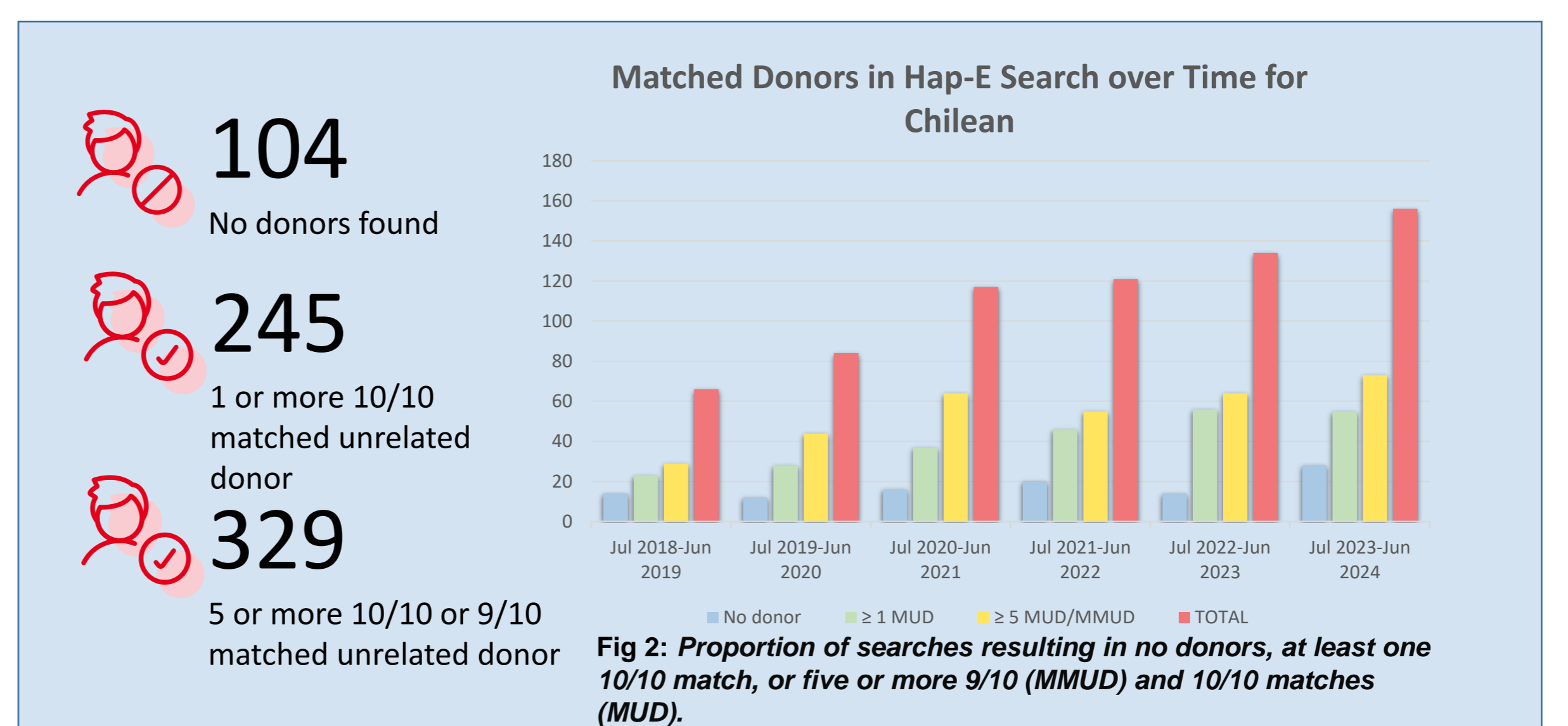
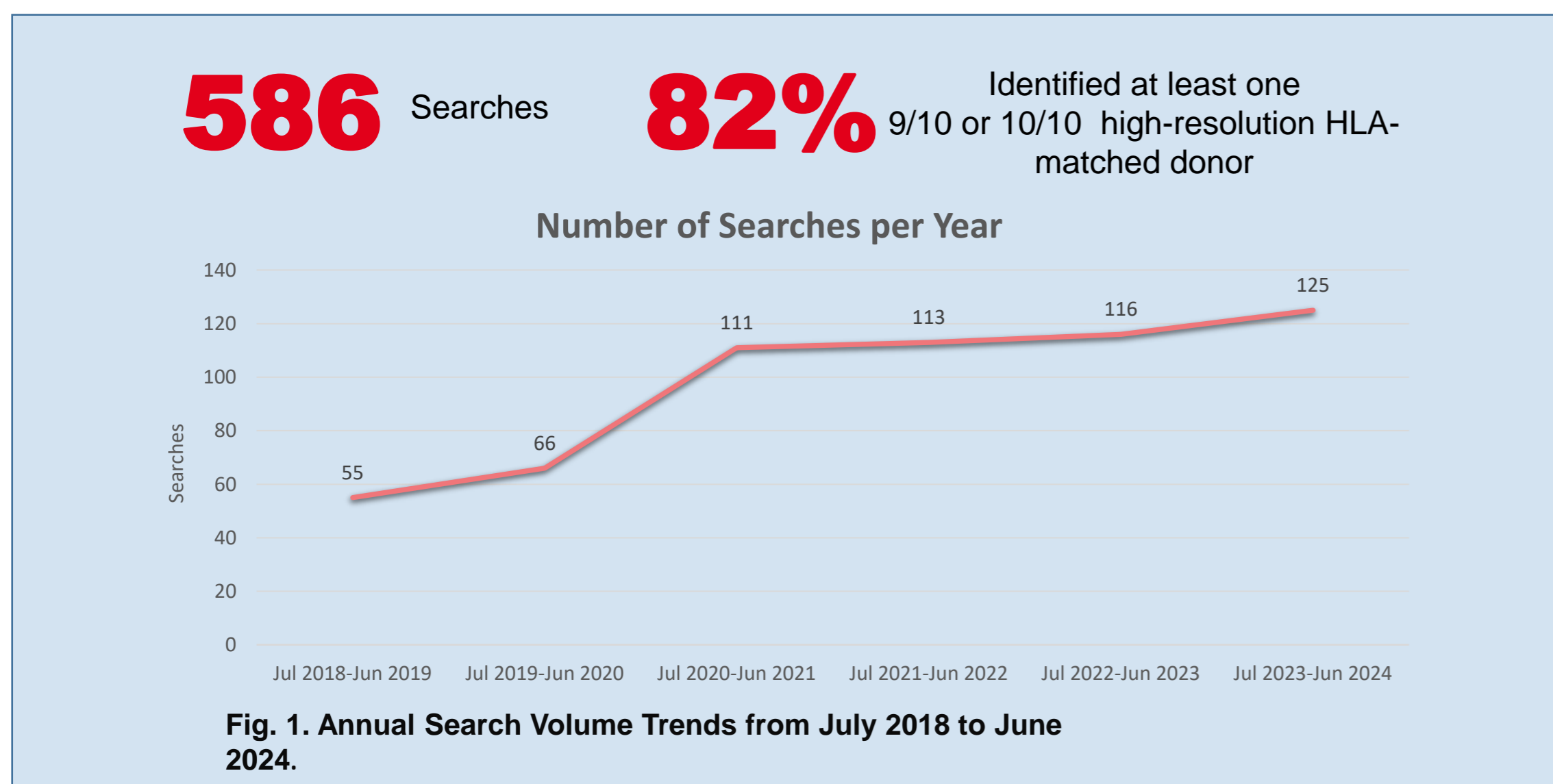
Unrelated donors (URDs) remain essential for stem cell transplantation (SCT) in patients lacking matched sibling donors (MSDs). Despite global growth in donor registries, individuals from ethnically diverse and admixed populations—such as those in South America—remain underrepresented, resulting in reduced matching probabilities. DKMS Chile was established in 2018 and has since recruited over 302,000 URDs and facilitated the shipment of 650 stem cell products, including 243 for Chilean patients. The DKMS Registry, active in Chile since 2018, supports nationwide URD searches in collaboration with public and private transplant centers. Beginning in July 2024, all WMDA donors were included in the Hap-E Search software. The main objective is to demonstrate the impact on patients in Chile by analyzing donor registration activity within the country.



Methods



Results



Conclusion

The continued growth of a large, locally recruited donor registry has led to a steady reduction in the proportion of patients without suitable matches.

Our data on the development of searches, search successes, and the use of unrelated donors in Chile show how essential the presence of local donors is for the successful use of unrelated donors in HSCT. In just a few years, the availability of national donors has not only increased the likelihood of finding a MUD but has also made it possible in the pediatric setting to almost replace the use of cord blood by using products from URDs.

All of this contributes to patients in Chile today having a much better chance of survival when a transplant is necessary. This can serve as a role model for other countries in the region.



DKMS Group gGmbH
Kressbach 1
72072 Tübingen, Germany
www.professional.dkms.org

DKMS Registry
Kressbach 1
72072 Tübingen, Germany
www.dkmsregistry.org

Visit our homepage:



Visit us at our booth Nr 38, Pavillion 9 (Exhibition Area for a personal exchange)

Author contact: hapesearch@dkmsregistry.org