

EASY ACCESS TO STEM CELL DONORS WORLDWIDE PROVIDED BY DKMS SERVICES

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I. Introduction

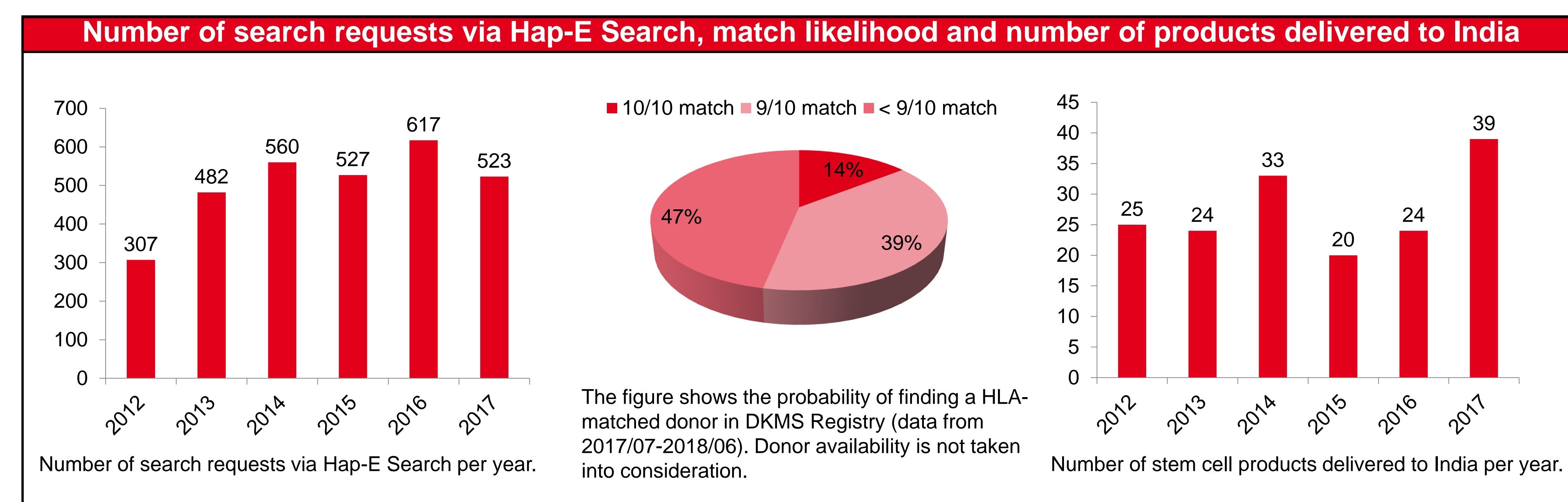
DKMS Registry is listing more than 7.6 M potential unrelated stem cell donors from Germany, Poland, UK and Chile. These and >56,000 donors from India recruited by our partner Bangalore Medical Services Trust (also known as Stem Cell Registry India) and by Marrow Donor Registry India (MDRI) can be searched and requested in our registry software Hap-E Search.

To Hap-E Search users, our experienced search coordinators offer search support for donor selection and request support to procure stem cell products from unrelated donors in Hap-E Search and from international registries. We here present key figures and service novelties about our free support in India and Sri Lanka for unrelated stem cell donor searches.

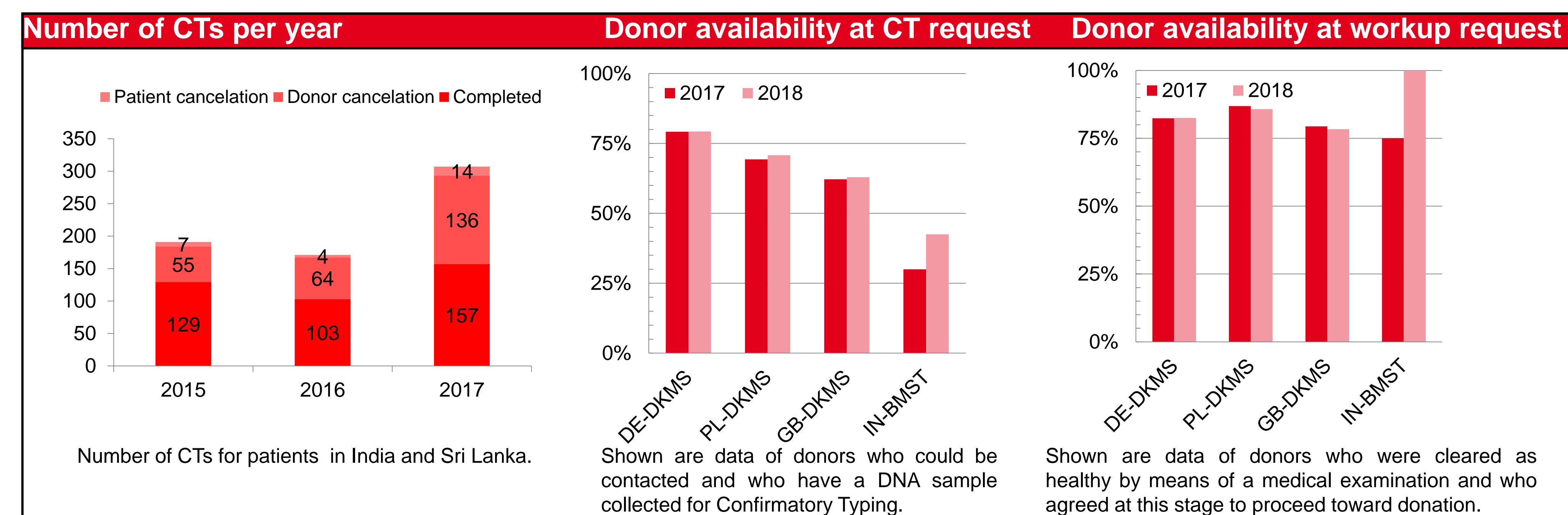
II. Facts and Figures

The number of searches via Hap-E Search increased since 2012 by about 41%, the number of delivered products by 36%. Most searches were started for patients with the diagnosis of β -Thalassemia Major (45%) followed by AML/ALL (25%).

For more than 50% of the patients, a 9/10 or 10/10 matched donor appears in the search results, but the likelihood of finding a 10/10 matched donor is only 14%. Even though we were able to help an increasing number of patients, we still can improve our donor pool by recruiting more donors from India and thus increasing the diversity of HLA in the global donor pool.



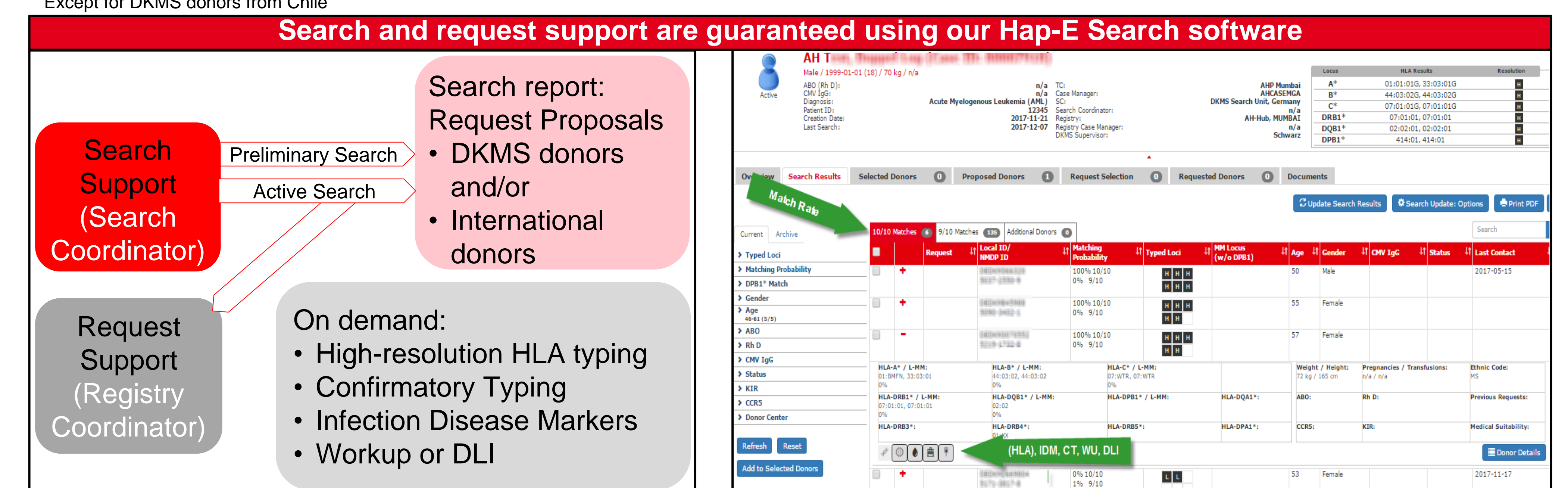
In 2017, more than 300 Confirmatory Typing (CT) requests were conducted, more than half of which were completed. Since most cancellations came from donor side, we provide 1-2 backup donors with completed CT for each patient case, if possible. Our donor availability at CT and especially Workup is high and stable for most listing entities or has strongly improved between 2017 and 2018 for BMST, India, respectively.



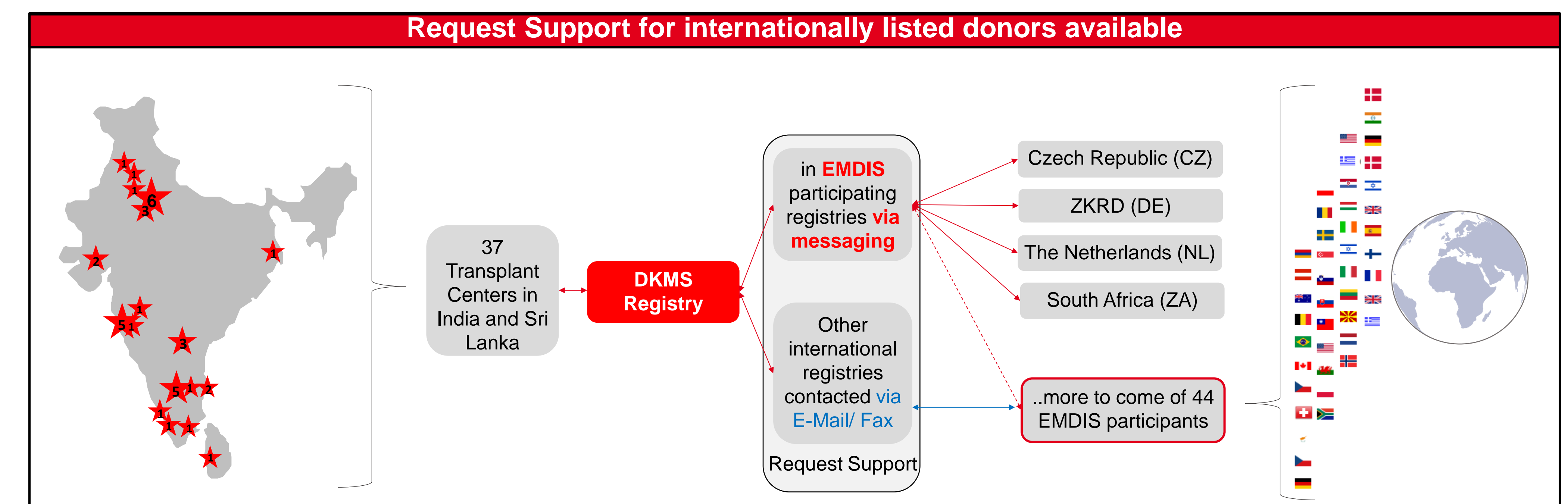
III. Services and Support

Using our web-based software Hap-E Search, Transplant Centers benefit from free search assistance by experienced search coordinators managing the entire search process up to the final request of the stem cell product. Currently, HLA typing, confirmatory typing (CT) and infectious disease markers (IDM) testing are free of cost*. Peripheral blood stem cells and bone marrow products are offered at reduced cost. We provide a Search Report as overview of search results via Hap-E Search as well as from WMDA Search & Match Service informing you on matching donors listed worldwide.

*Except for DKMS donors from Chile



By our Request Support for Indian Transplant Centers, we offer access to donors listed with international registries. This is accomplished either via e-mail/fax or via the *European Marrow Donor Information System (EMDIS)*, currently the only electronic way to exchange international searches, requests and results with 44 participating registries. Since recently, DKMS Registry has started building up connections to other EMDIS partners and electronic requests can now be selected in Hap-E Search. More connections will follow.



IV. Conclusion

Our free extended services give patients in India and Sri Lanka higher chances to find an unrelated donor. Expanding our network with EMDIS partner organizations enables easy access to internationally listed donors worldwide using our request support. Experienced search and

registry coordinators facilitate requests for the worldwide best matching donors for patients in India and Sri Lanka. To increase the donor pool of donors with underrepresented HLA types in our database, donor recruitment in India must be intensified.



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