

The South African Bone Marrow Registry (SABMR)

Who are we?

How does it work?

What do we do?

**“Overcoming the Challenges to
Stem Cell Transplantation”**

Dr Charlotte Ingram
CEO / Medical Director



SABMR - Background

- Established in 1991
- Non-profit Organisation
- Board 11 Members 9 Non Exec 2 Exec
- Hub Centre for SA
 - Liaison between 137 registries world-wide
 - Provides MUDs for stem cell transplantation
- Facilitated 1st matched unrelated donor (MUD) bone marrow transplant in South Africa 1997
- Donor recruitment
 - Past = Sunflower Fund
 - Present = SABMR



SABMR Services

- Donor Services
- Patient Services
- Technical Assistance
- Donor Welfare Services
- Donor Recruitment
- Well established >28years
- Self Sustainable, No State Funding ,
- Alternatives in addition to Fee for Service, Fund raising & other donations, Benefactors





World Marrow Donor Day - WMDD

21 March · 🌐

....and the WMDD prize winners of 2018 are...

Grand Prize South African Bone Marrow Registry (SABMR)

Originality Prize Registrul National al Donatorilor Voluntari de Celule Stem Hematopoietice

Incentive prize Canadian Blood Services

Congratulations and thank you for your wonderful presentations!

#WMDD2018 #WMMDA2019 #ThankYouDonor



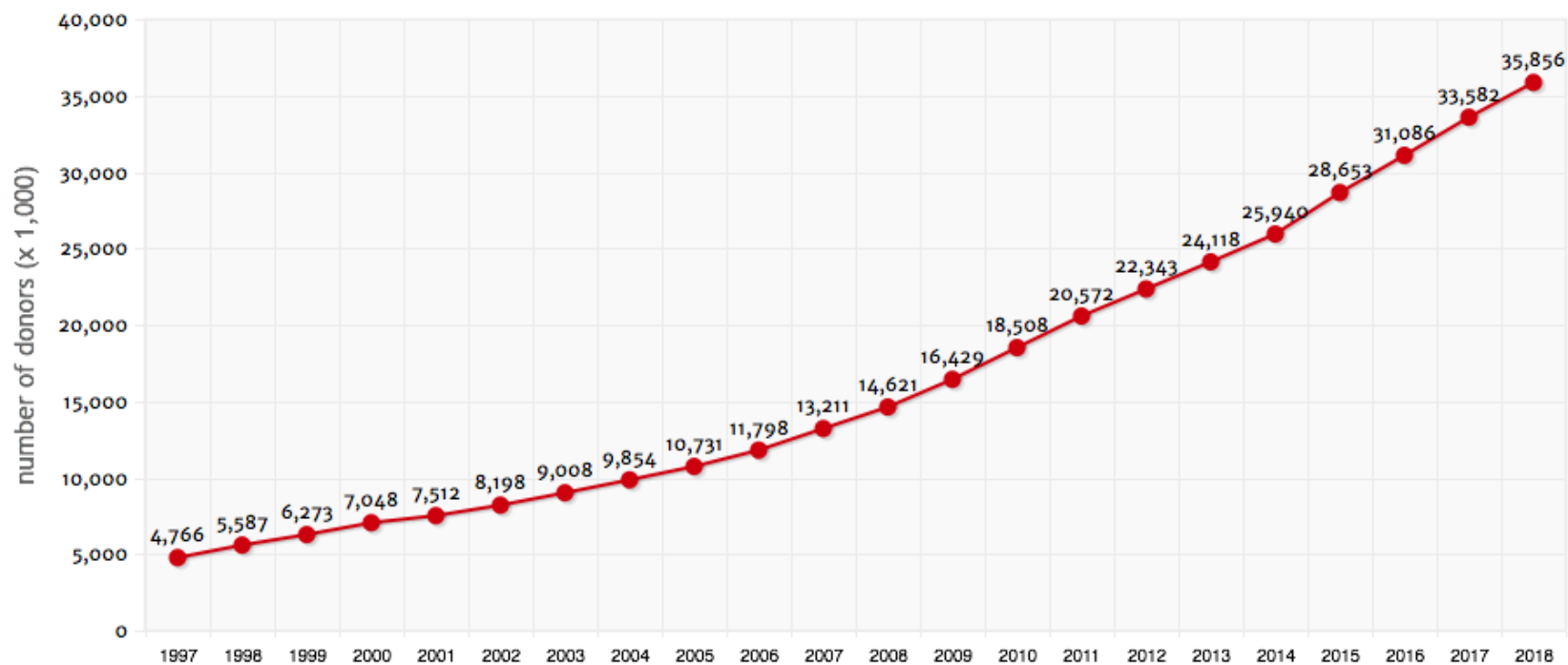
tion
MDA

Match

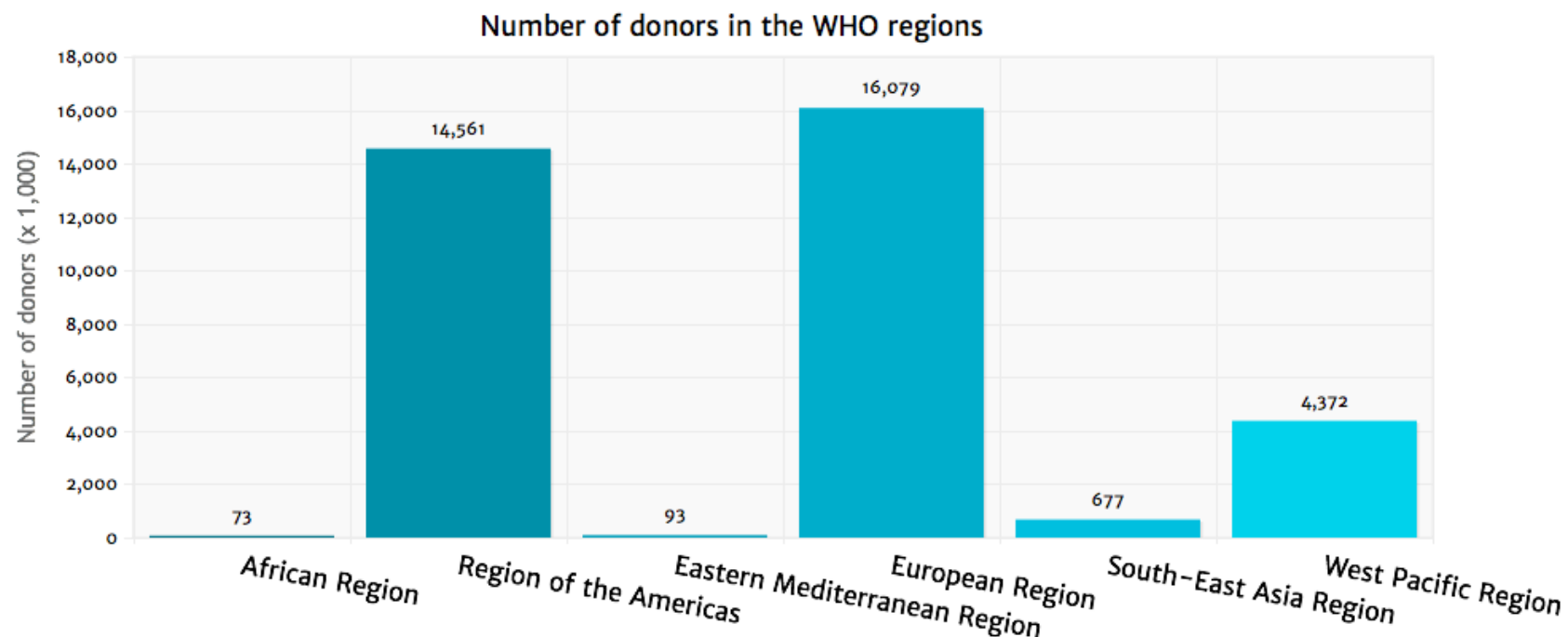


Number of Donors

Number of donors



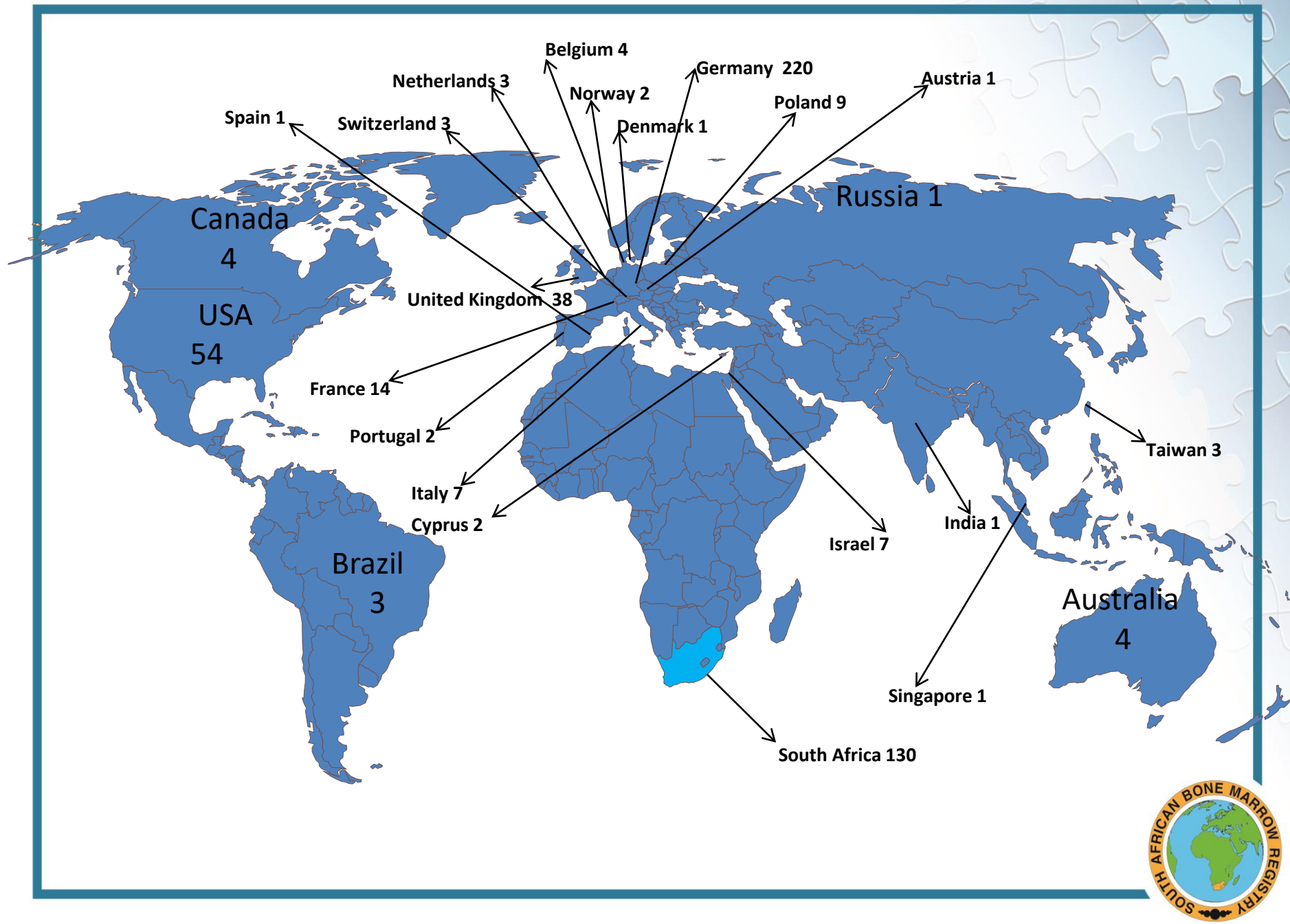
Distribution of Donors - 2018



Current Status

- To date, 500 patients in South Africa – MUD-Matched Unrelated Donor
- Currently, 75% of the donors for South African patients have come from other countries
- 163 SABMR donors
 - 130 donors for local patients
 - 33 donors for international patients
- SABMR key Global role player and a must for SA patient BMT needs



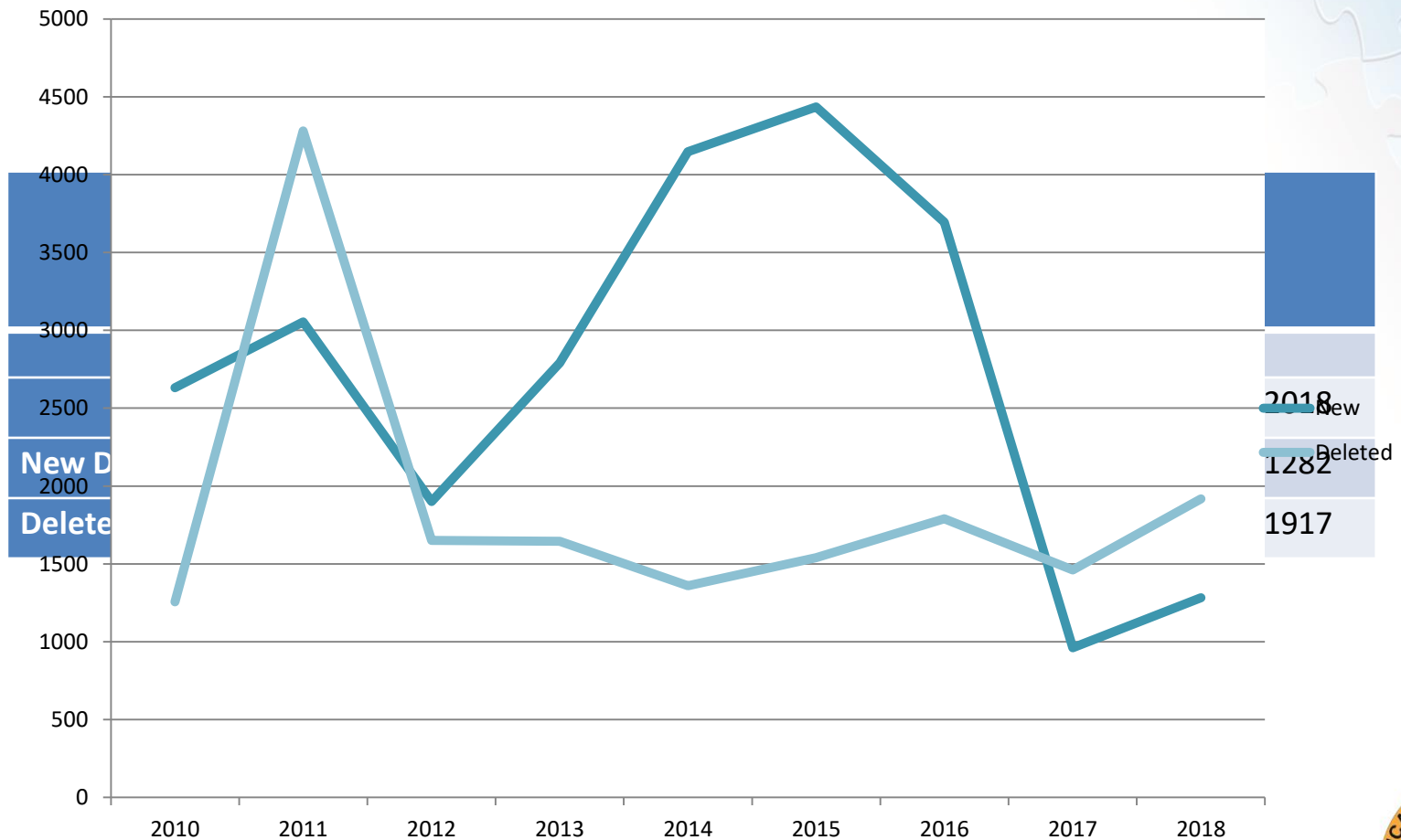


SABMR Donors Donated For



SABMR Donor Recruitment

Donor recruitment vs. donor attrition



SABMR Donor Recruitment

- April 2018 1st SABMR donor drive since 1996



SABMR Donor Recruitment

- June 2018 – new website launched

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SABMR
SOUTH AFRICAN
BONE MARROW REGISTRY

[DONATE](#)[CALL NOW: +27 21 447 8638](#)[SEARCH](#)

Become a stem cell donor
TODAY!

[CLICK HERE](#)

FINDING A MATCH TO SAVE A LIFE

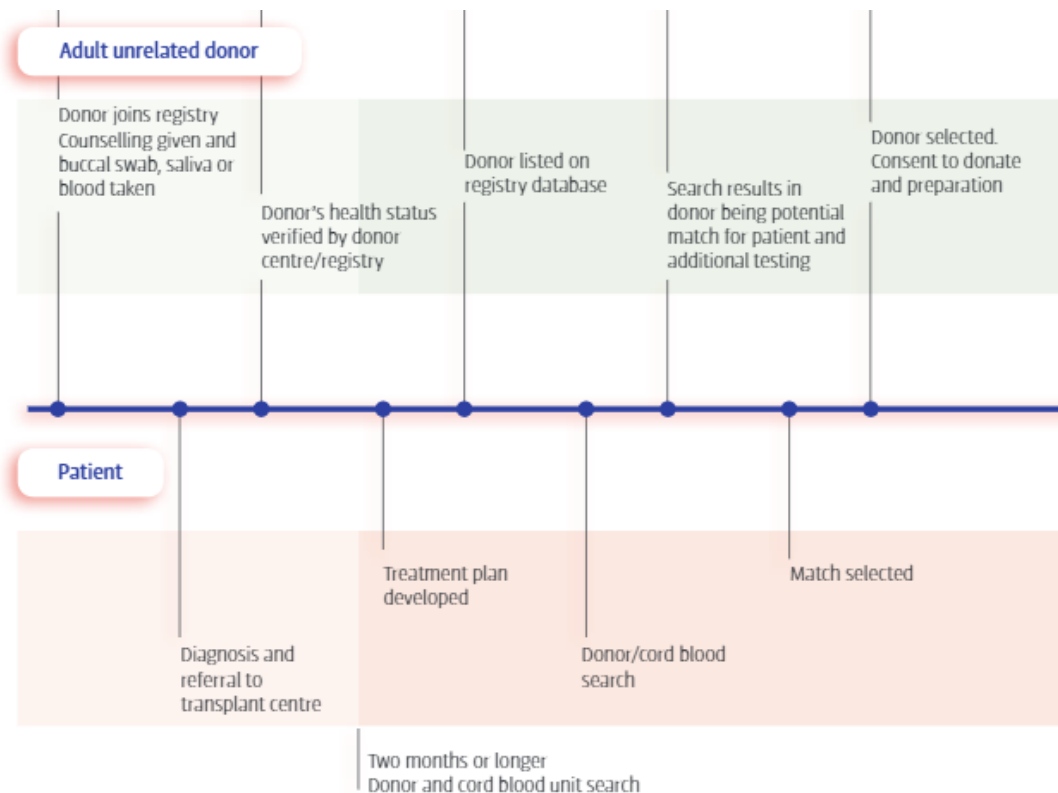


Challenges

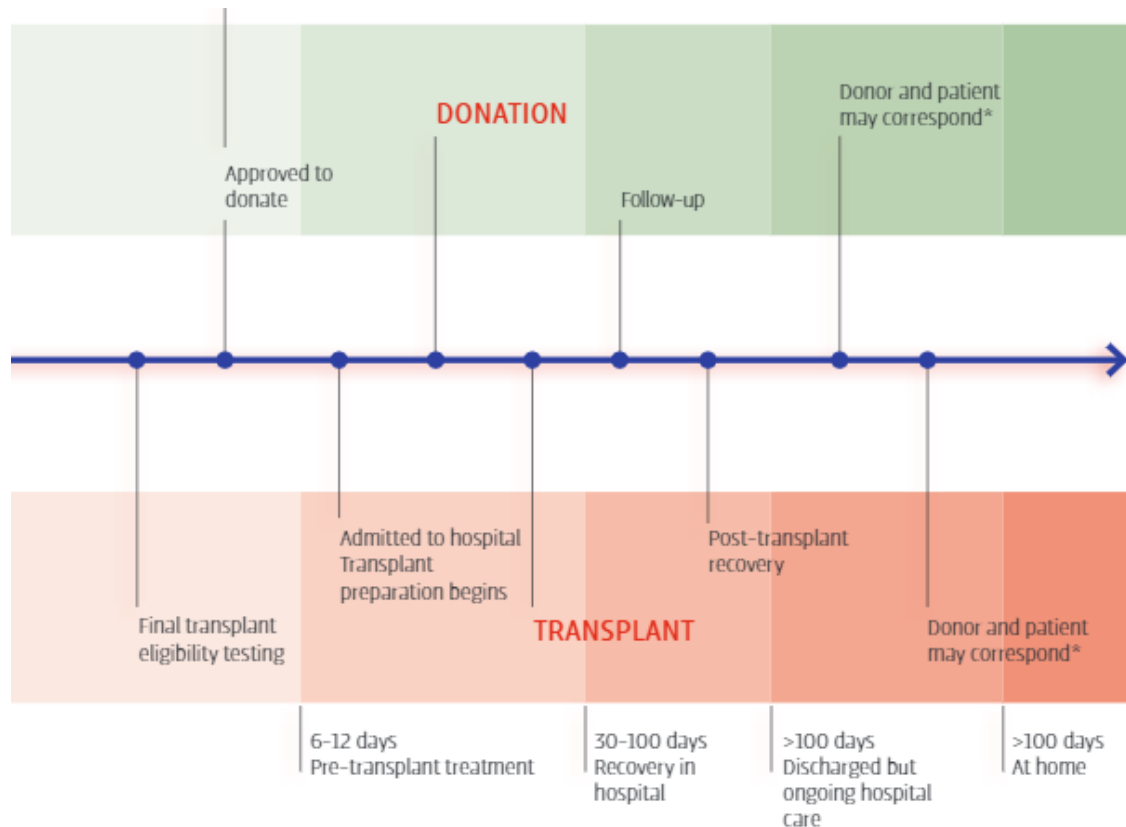
- Change in donor medical status
- Time
- Donor diversity



Challenges - Donor Status



Challenges - Donor Status



Challenges - Donor Status

- Primary donor and secondary donor selected
- Confirmed matches in Leiden
- Both from Indian Registries
- Retrospective typing on HLA ABDR SABMR donors
 - one potential match
- Only at Intermediate and low resolution
- Primary donor declared medically fit
- Everything on schedule



Challenges - Donor Status

- Patient admitted Monday
- Tuesday mid-morning
- Donor with sore throat
- Tough decision by all
- Swine Flu
- The race against time



Challenges - Donor Status

- Back-up donor requested
- Parallel with local donor VT
- Back-up donor writing exams - only available in over a months time
- Setbacks local donor
- Urgent medical and PBSC collection within a month



Challenges - Donor Status

- How many back-up donors should be requested?
- Who pays the price?
- The “Costs”

Patient

Medical Aid

Transplant Centre



Challenges - Time

In the interest of time, it is critically important to have the patient's

HLA typing at high resolution when performing a matched unrelated donor search.

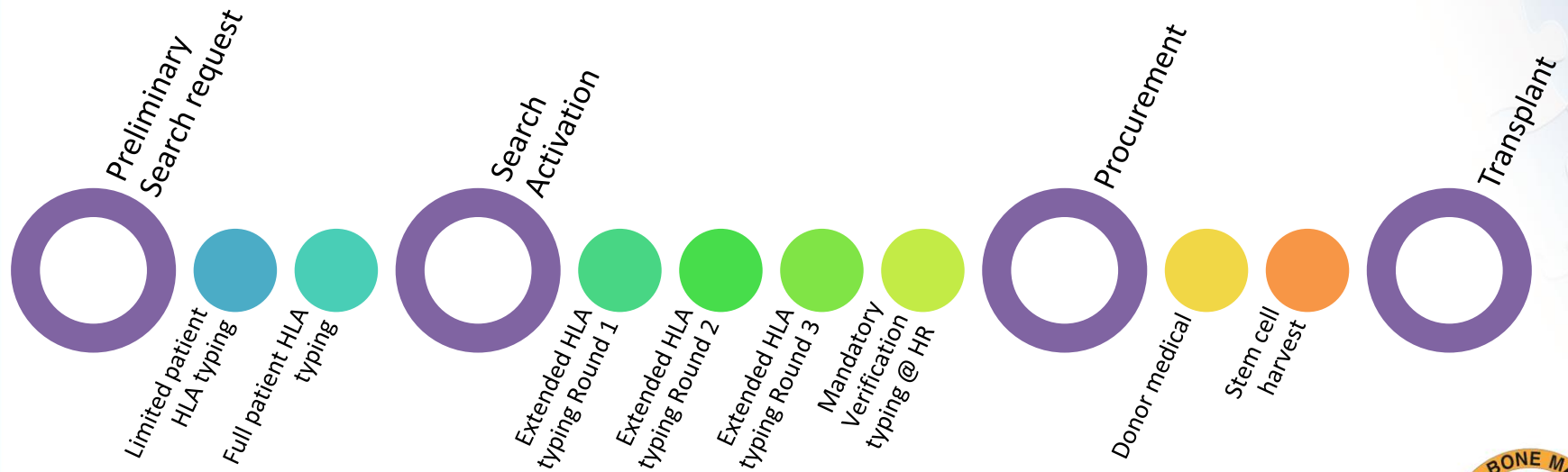


Challenges - Time

Time



6 to 8 months
***pending donor profile**



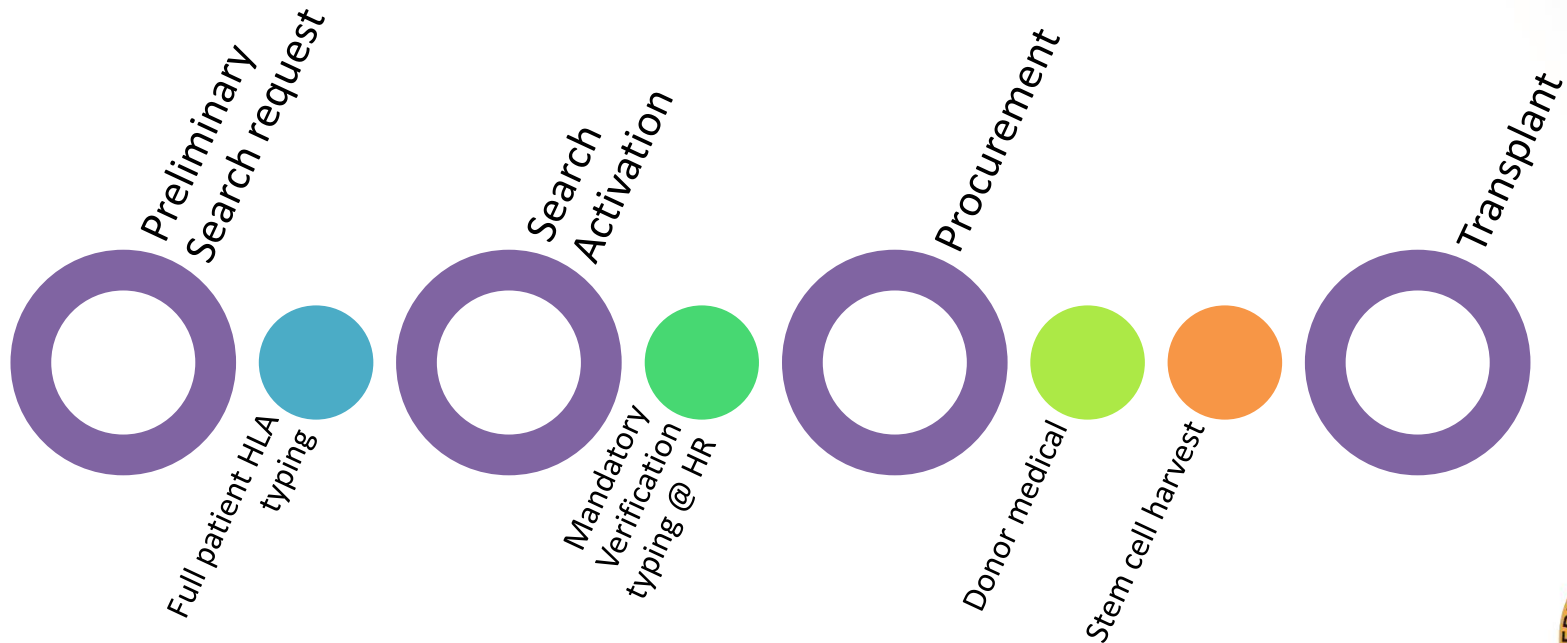
Challenges - Time

Time



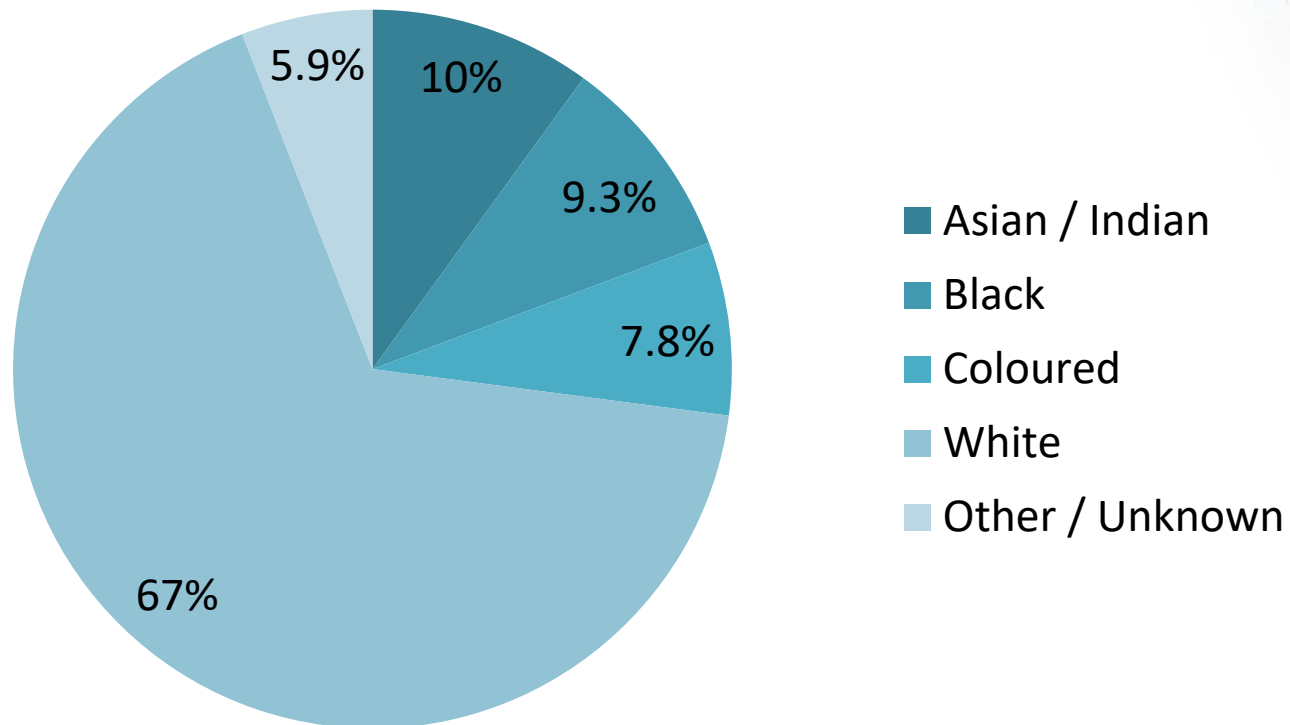
3 to 4 months

***pending donor
profile**



Challenges – Donor Diversity

Ethnicity: 31 December 2018



Challenges – Donor Diversity

- Match 1:100 000
- More likely within own ethnic group
- 2018
 - 229 Preliminary Search Requests
 - 52% searches for Asian, Black and Coloured patients
 - Only three out of the 40 transplants that year



Challenges – Donor Diversity

- Increase donors - Ethnic Diversity
- Overcome cultural issues
- National footprint



Thank You

