

STATE OF THE REGISTRY 2019–2020

The Anthony Nolan and NHS Stem Cell Registry Annual Review

The State of the Registry briefing has been compiled by the Anthony Nolan and NHS Stem Cell Registry – the aligned UK registry formed of Anthony Nolan, DKMS UK, NHS Blood and Transplant, and the Welsh Bone Marrow Donor Registry.

The aligned registry reached the amazing total of over 1.9m stem cell donors in 2019/20, with 326,756 new donors added to the register – over 100,000 more than the previous year.

The cord bank also grew to more than 27,000 searchable clinical grade cord blood units. In 2019/20, 28% of UK cord for UK patients was donated by mothers from minority ethnic backgrounds. Cord continues to be a vital part of the strategy for meeting the needs of patients from minority ethnic backgrounds, alongside targeted donor recruitment and working with international partners.

The following charts highlight the key data points in regard to the recruitment of stem cell donors to the aligned registry, umbilical cord blood donations, and provision of donated stem cells to patients in the UK in need of a lifesaving transplant.

To note: when ‘minority ethnic’ is mentioned within this report, this includes the following communities:

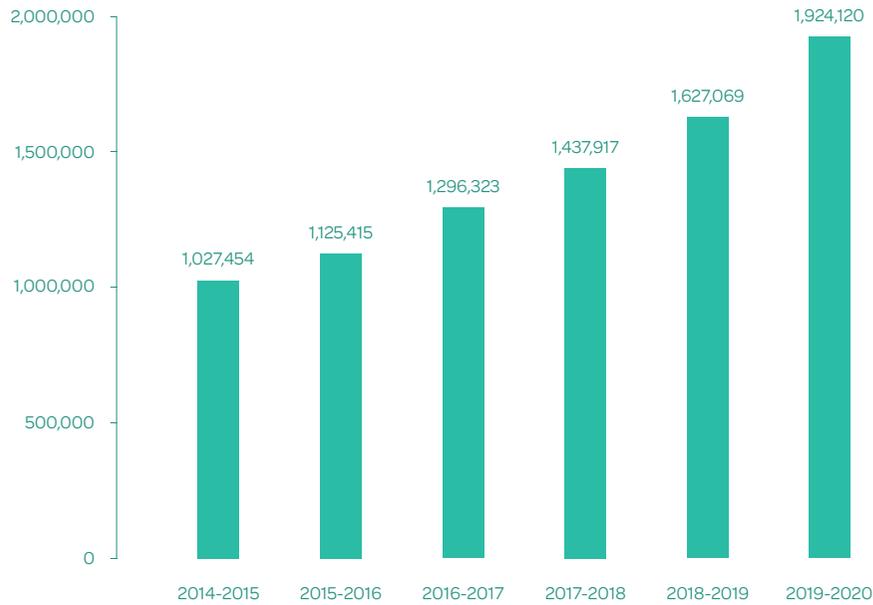
- African
- African-Caribbean
- East Asian
- Hispanic
- Jewish
- Middle Eastern
- Other
- South Asian



ALIGNED REGISTRY DEMOGRAPHICS 2019–2020

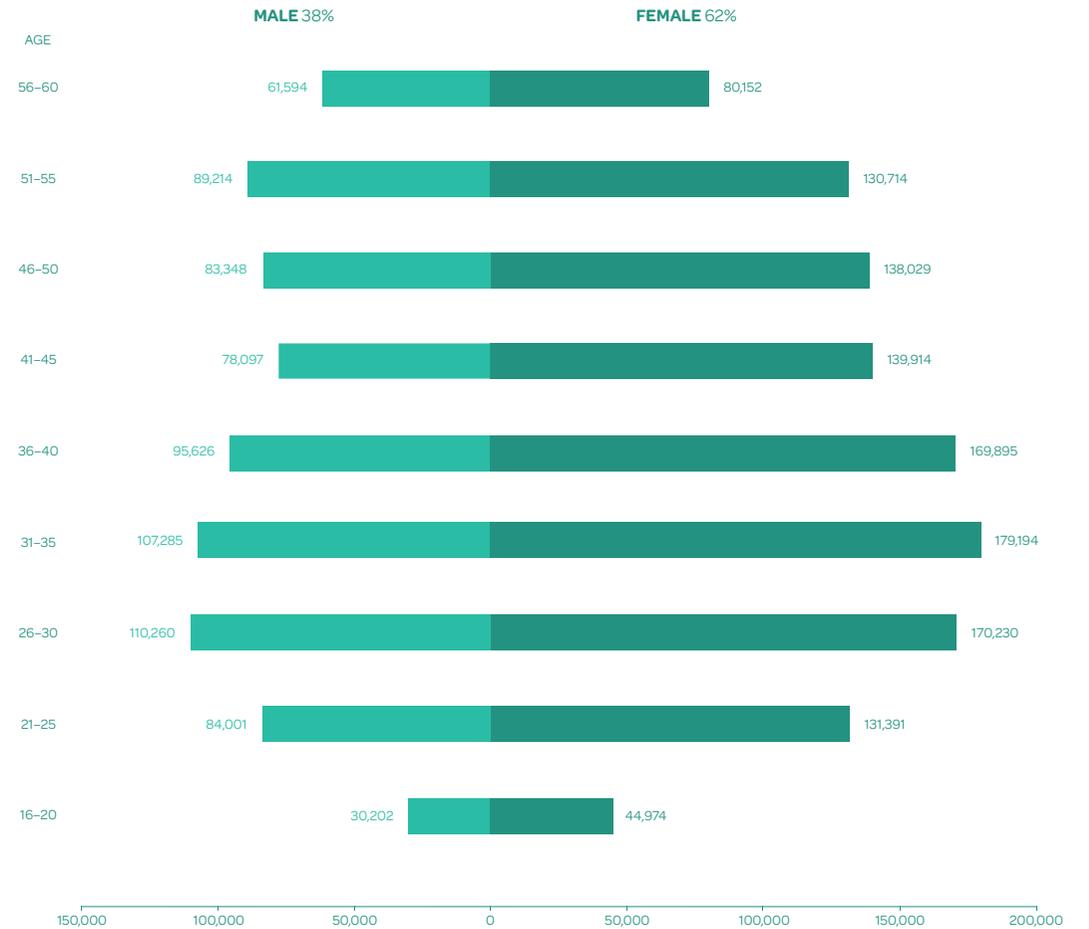
The make-up of the aligned registry as of 31 March 2020, which now stands at over 1.9 million stem cell donors. The cord bank contains more than 27,000 searchable clinical grade cord blood units – a lifeline for people from minority ethnic backgrounds, who may not be able to find a match on the aligned registry.

ALIGNED REGISTRY OVER TIME



ALIGNED REGISTRY DEMOGRAPHICS

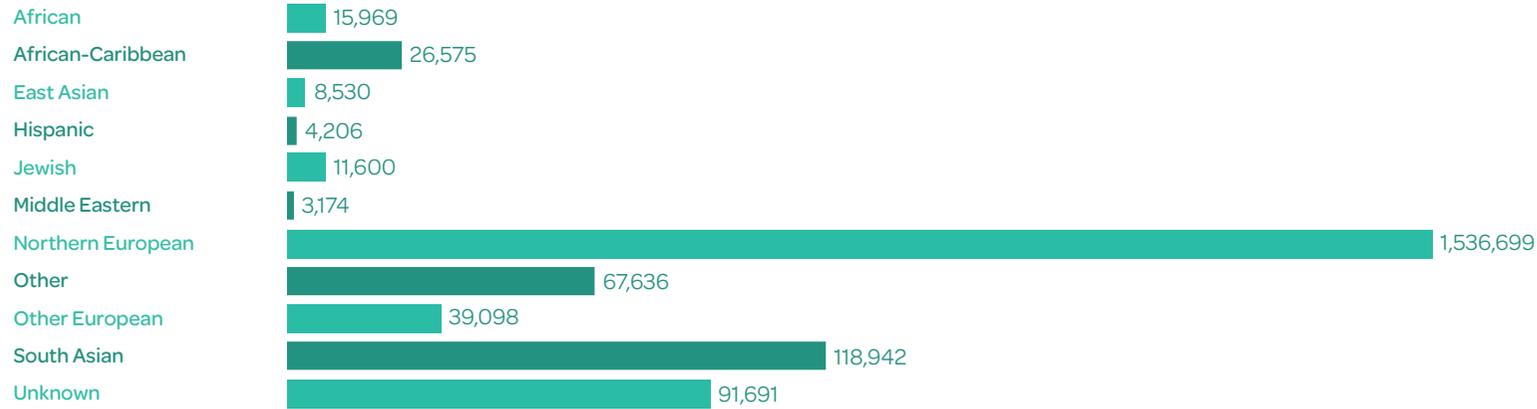
LAST YEAR 1,627,069
TOTAL 1,924,120



ALIGNED REGISTRY DEMOGRAPHICS 2019–2020

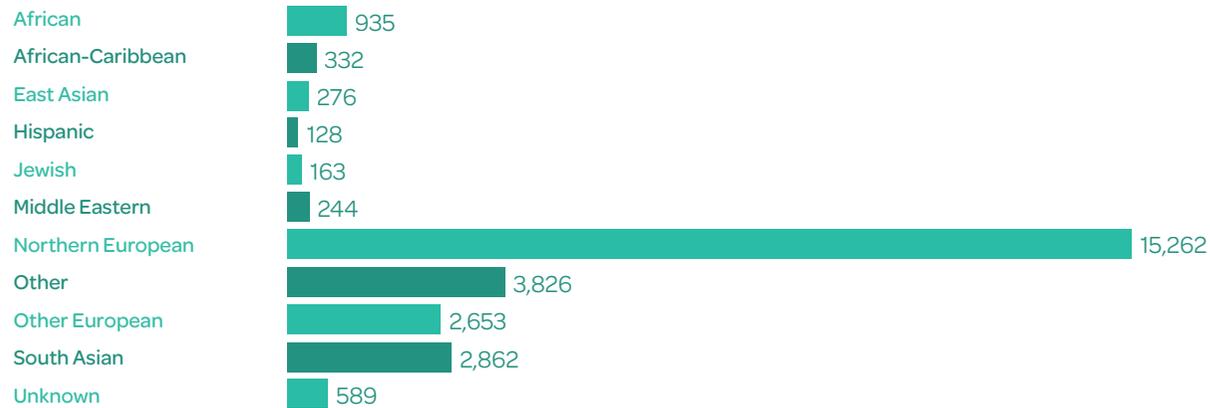
ALIGNED REGISTRY BY ETHNICITY

LAST YEAR 14%
MINORITY ETHNIC 13%



CORD BANK BY ETHNICITY

LAST YEAR 37%
MINORITY ETHNIC 32% **LAST YEAR 25,626**
TOTAL 27,270

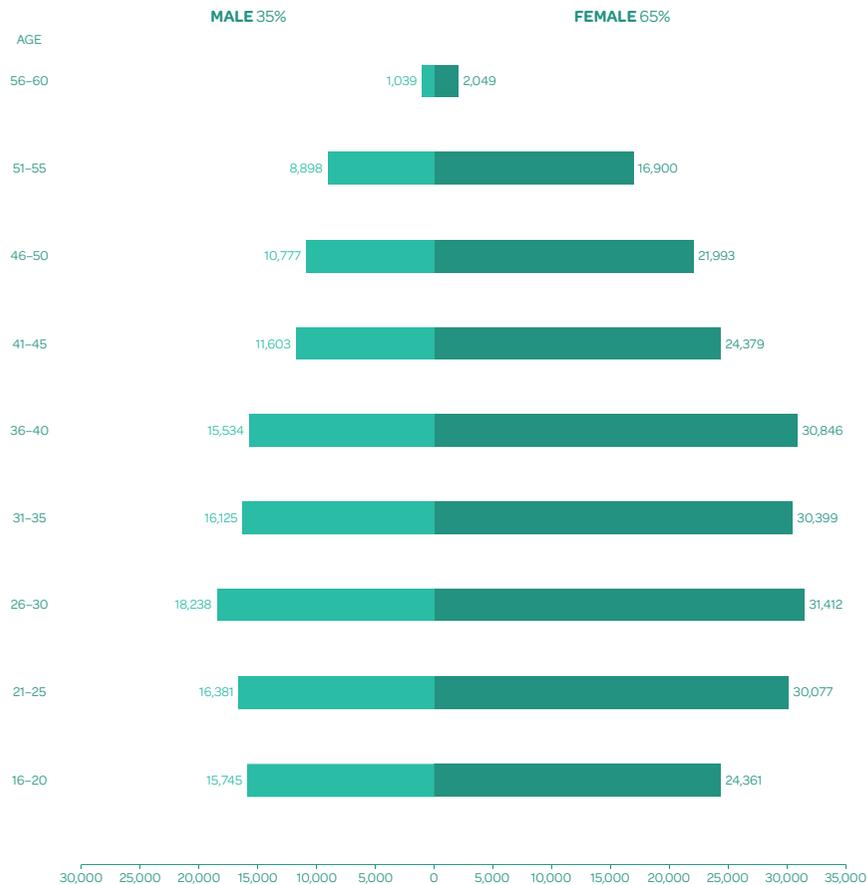


NEW DONORS MADE ACTIVE 2019–2020

Donors added to the aligned registry between 1 April 2019 and 31 March 2020 who are searchable for patients. The percentage of new donors recruited from minority ethnic backgrounds dropped from 22% in 2018/19 to 10% in 2019/20. This is partly explained by a huge increase in the number of new donors from Northern European backgrounds (153,480 in 2018/19 up to 285,333 in 2019/20), driven by two high profile appeals from patients for donors to join the registry. The number of South Asian donors also dropped from 30,232 in 2018/19 to 14,957 in 2019/20, with the higher number in 2018/19 again linked to a patient appeal. The percentage of all donors from minority ethnic backgrounds has remained steady at 14% in 2018/19 and 13% in 2019/20.

NEW DONORS MADE ACTIVE

TOTAL 326,756*



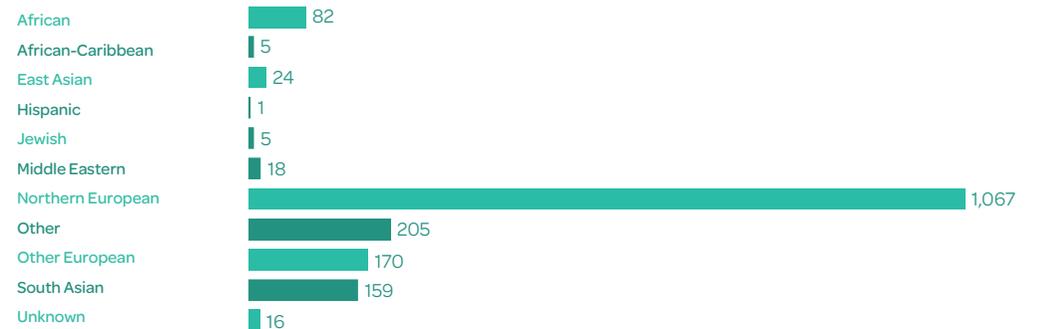
NEW DONORS MADE ACTIVE BY ETHNICITY

LAST YEAR 22%
MINORITY ETHNIC 10%



CORD BLOOD UNITS ADDED BY ETHNICITY

LAST YEAR 38%
MINORITY ETHNIC 28%
LAST YEAR 2,216
TOTAL 1,752

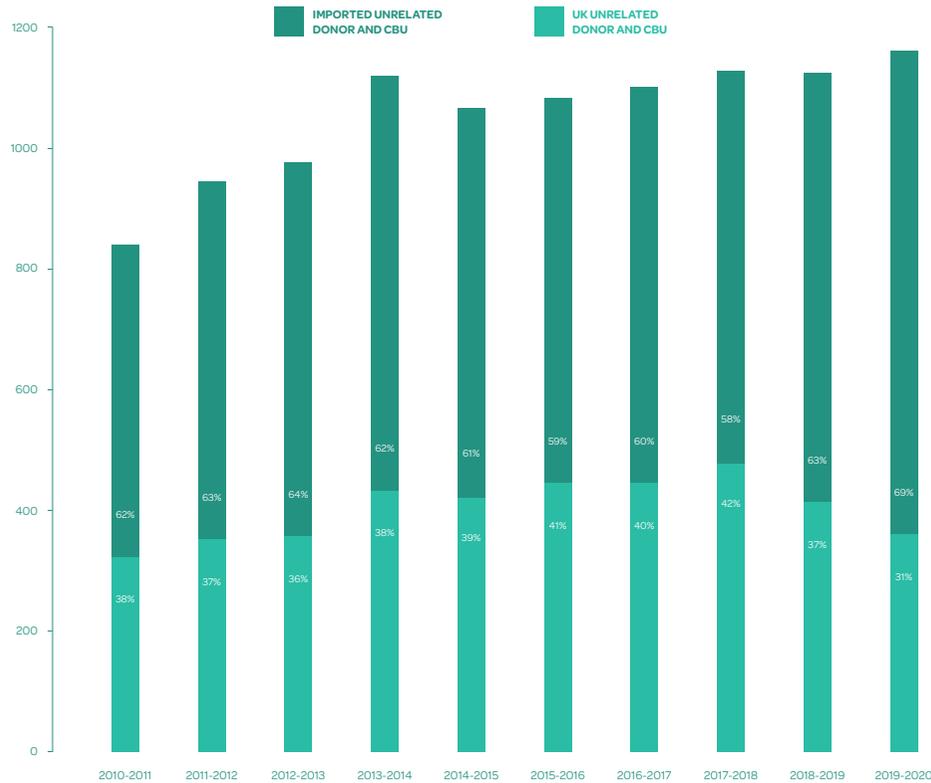


* As donors turn 60, or upon their request, they will be removed from the registry. This means that the total number of donors made active in the year does not equate to the year-on-year growth of the registry.

STEM CELL PROVISION 2019–2020

Provisions for UK patients between 1 April 2019 and 31 March 2020. More UK patients were helped (1,109 in 2019/20 vs. 1,079 in 2018/19), but by fewer UK donors and cord blood units (348 in 2019/20 vs. 400 in 2018/19). Imports increased from 63% in 2018/19 to 69% in 2019/20. There is an evident need to continue improving the quantity and quality of UK donors for UK patients.

PROVISIONS FOR UK PATIENTS OVER TIME (IMPORTS VS UK)



UK DONORS FOR UK PATIENTS

LAST YEAR 385
TOTAL 333



UK DONORS FOR UK PATIENTS BY ETHNICITY

LAST YEAR 7%
MINORITY ETHNIC DONORS 4%



STEM CELL PROVISION 2019–2020

UK CORD FOR UK PATIENTS BY ETHNICITY

LAST YEAR 12% MINORITY ETHNIC 28% LAST YEAR 26 TOTAL 29



UK PATIENTS HELPED

LAST YEAR 1,079 TOTAL 1,109



UK DONORS FOR UK PATIENTS (SEARCH REQUESTS VS BLOOD SAMPLES REQUESTED)



For more information about this briefing, please contact BusinessManagement@anthonymolan.org