



Blood and Transplant

Blood Donation: Maintaining the blood supply

19th January 2018

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Caring Expert Quality

About us

Special Health
Authority

Dedicated to saving
and improving lives

Approx. 5,500
people

15 key sites

Approx. 2,000 in Blood
Donation

Over 50 mobile collections

23 donor centres

We collect around
1,600,000
blood donations each year



Each blood donation can
help as many as
3 people

100

donations equates to
47 litres of blood



23,000,000
people are already on the
Organ Donor Register



On average
3 people
die a day in need of an
organ



One organ donor
can help as many as
9 people!



We invest over
£18,000,000
a year in research and
development

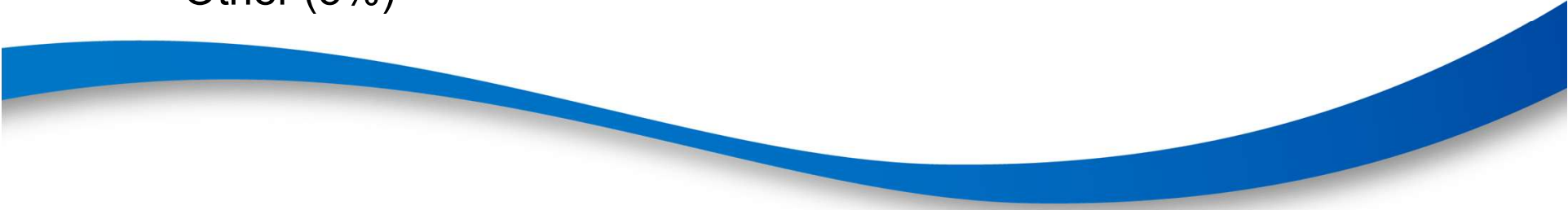


Our tissue service helps
hundreds
of corneal transplants

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Blood Supply Chain – Red Cells

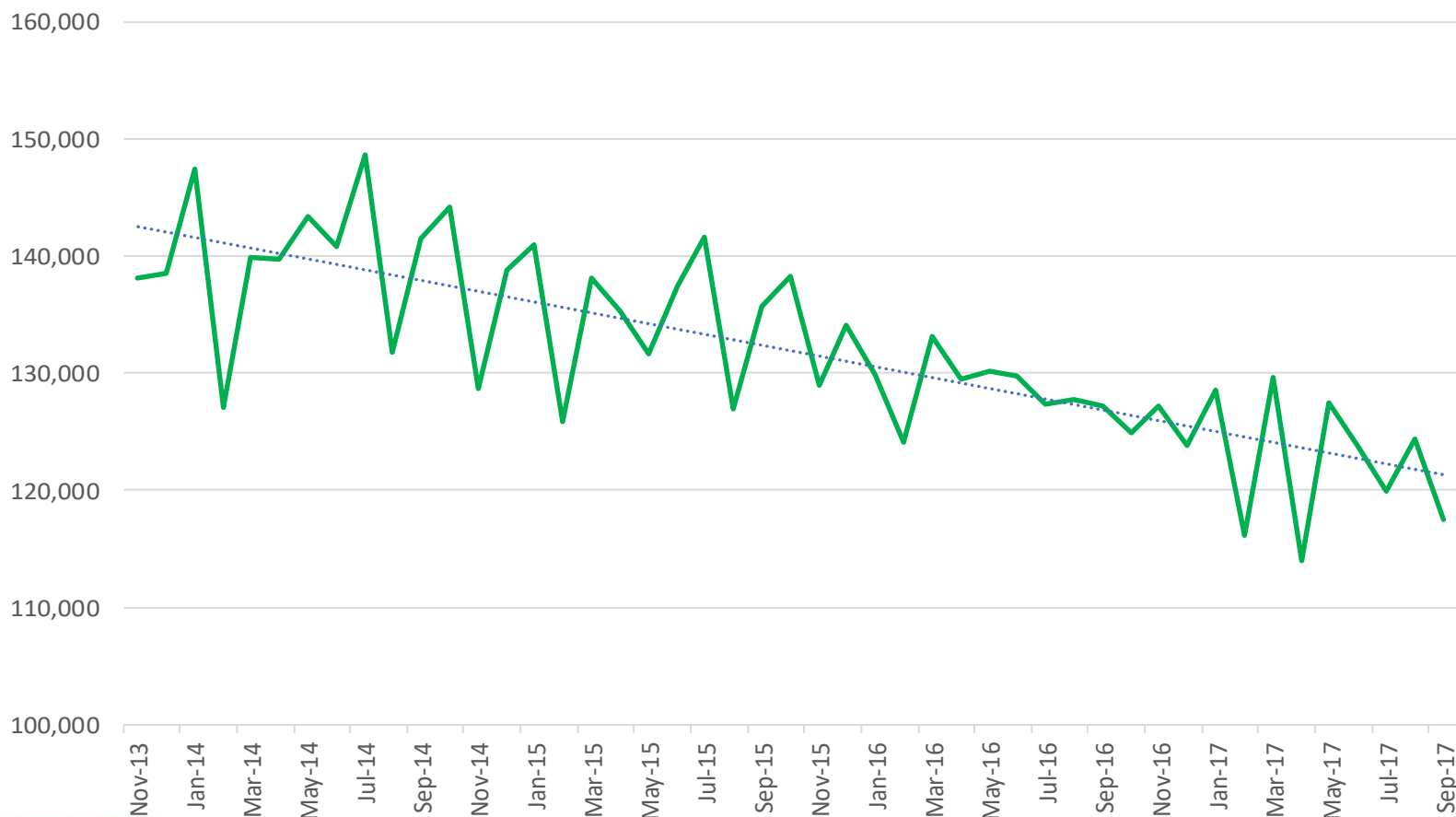
Uses include ...

- Surgical (30%, only 5% elective)
 - Haematology (18%)
 - Gastro intestinal bleeding (11%)
 - Anaemia (30%),
 - Maternity (6%)
 - Other (5%)
- 
- A thick, solid blue wavy line that curves across the bottom of the slide, starting from the left edge, dipping in the middle, and rising towards the right edge.

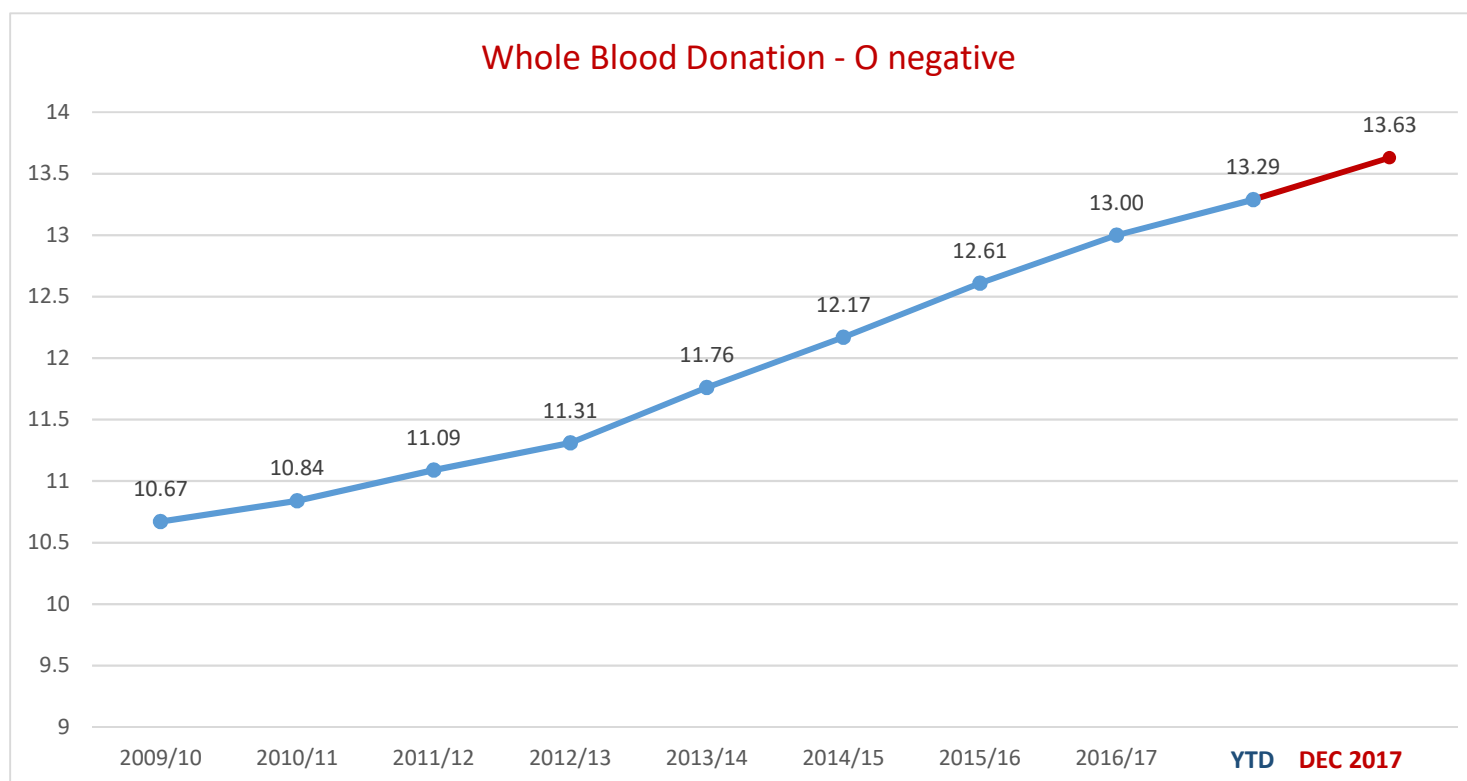
Red Cell Demand



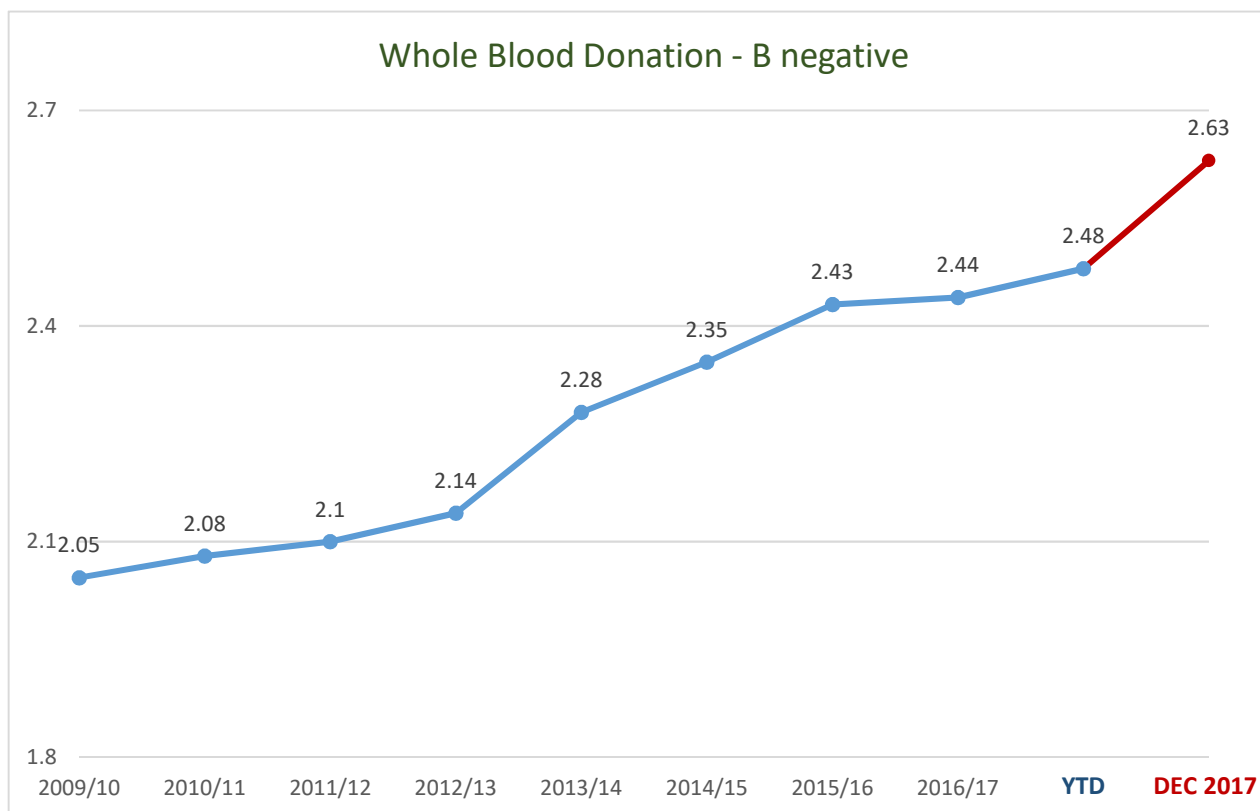
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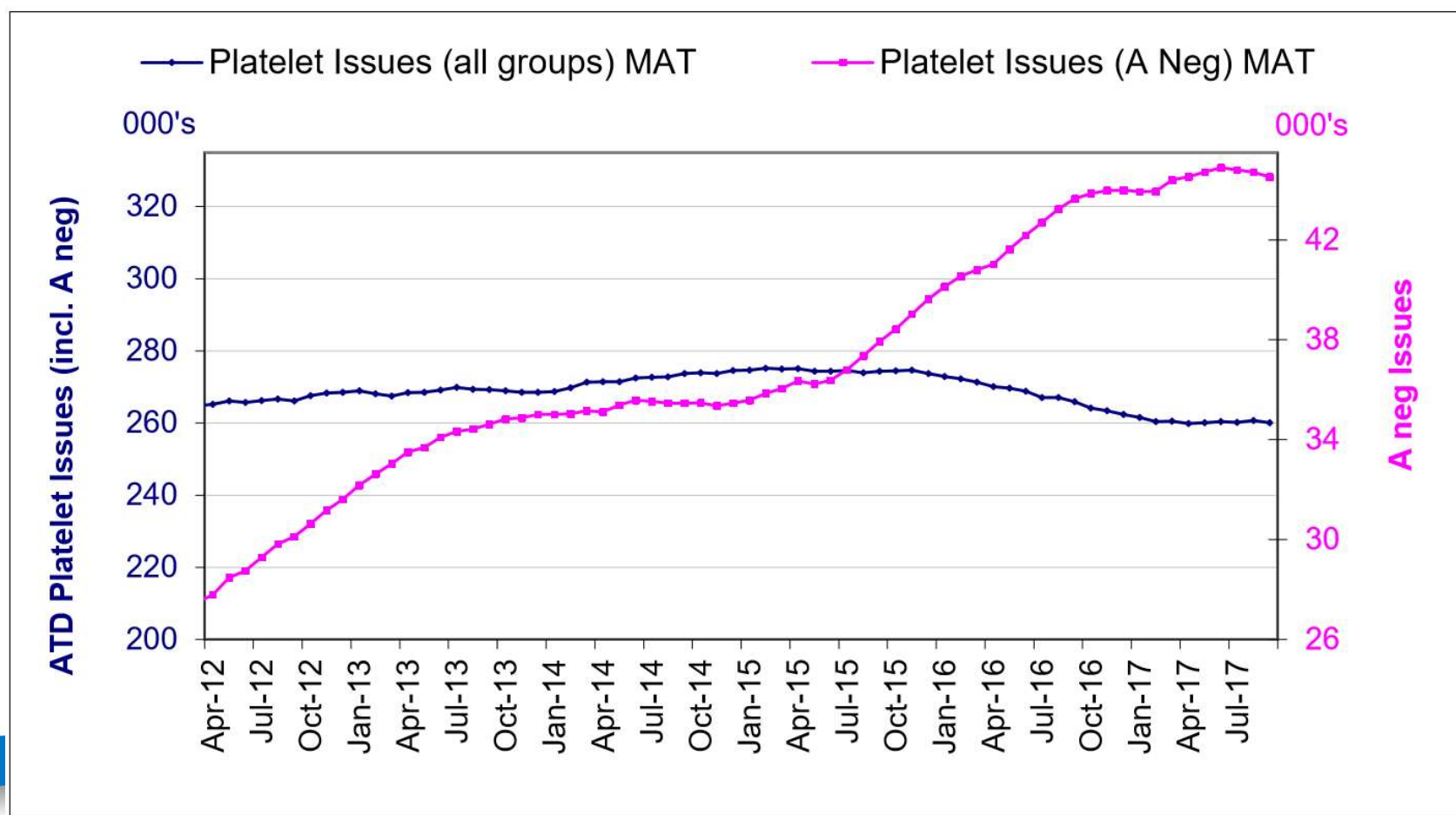
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A- Platelet demand vs total Platelet demand



Blood Donation operational challenges

- Declining demand
- R₀, O Neg & A Neg
- Cost pressures
- WTE reduction - teams, planning, Session of the Future
- Recruitment
- CSM
- Salaries
- MPs/Donor expectations

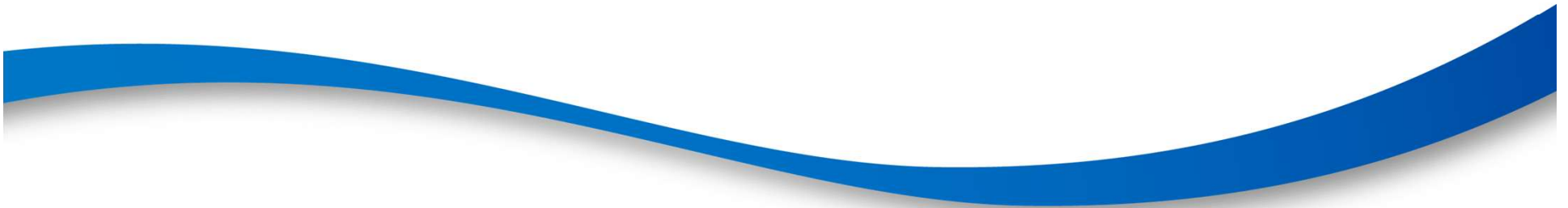
Other UK Blood Services



- Scottish National Blood Transfusion Service (SNBTS) – approx. 10% of UK blood supply
- Welsh Blood Service (WBS) – approx. 4% of UK blood supply
- Northern Ireland Blood Transfusion Service (NIBTS) – approx. 1% of UK blood supply
- NHS Blood and Transplant – approx. 85% of UK blood supply

Challenges to supply

- No available substitutes
- Stringent regulatory requirements
- Shelf life 35 days
- Cannot reduce or regulate demand (much)



Resilience

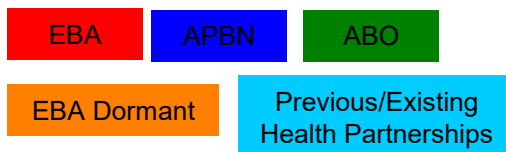
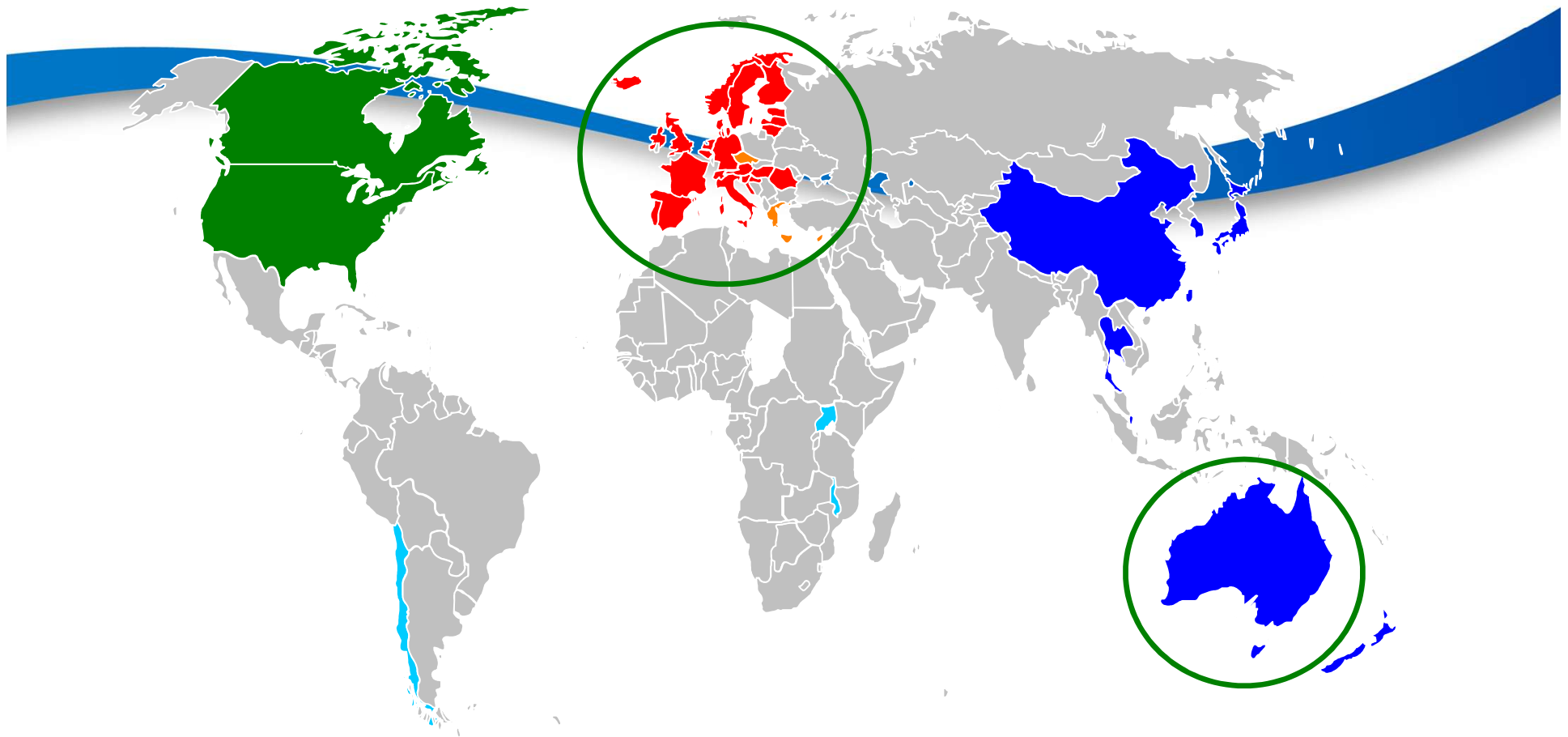
- Three Manufacturing sites
- Two Testing sites
- Daily view of stock to show validated stock, WiP, hospital stock
- Advanced forecasting tool
- Maintain buffer levels
- Support/take part in “Test Exercises”



International Networks

NHS

Blood and Transplant



...the benchmarking work we do is powerful. Simply asking everyone to 'do better' is ineffective, but by seeing how others are improving and 'plagiarising with pride' we can improve faster.

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