

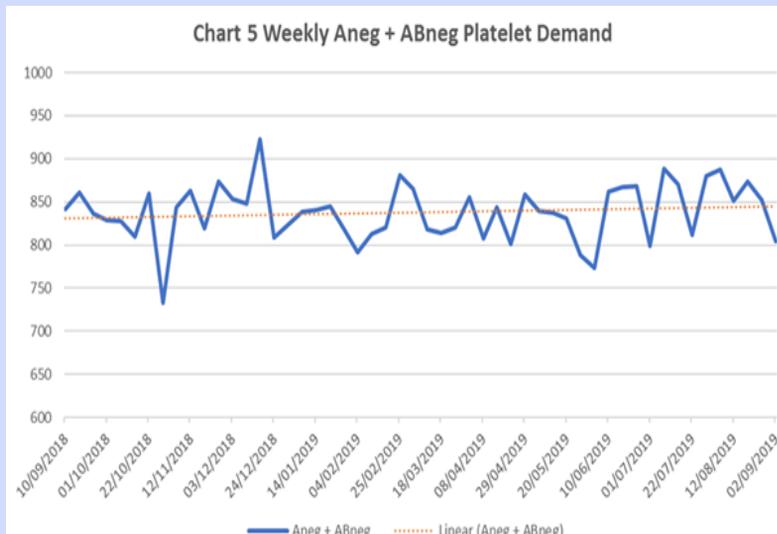
Use and Abuse of A Neg Platelets

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BSMS Roadshows
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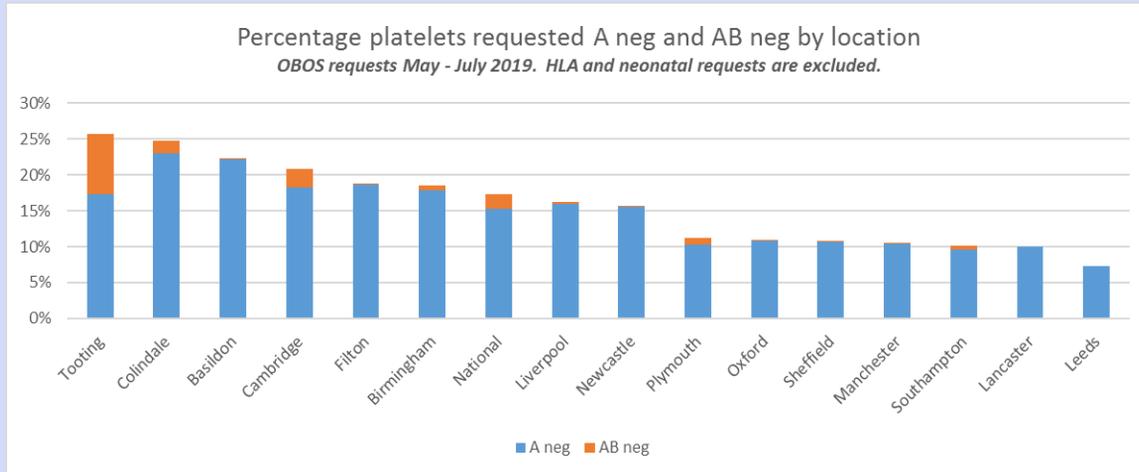
Demand

A neg and AB neg Demand continues to rise in absolute numbers and as a percentage of total

- 849 ATDs per week and 18% of all adult platelet issues (9 % of the population (8% A neg, 1 % AB neg))
- The trend is to increase to 870 ATDs per week over 12 months (up 20 ATDs per week)
- 20 ATDs per week rise over the year requires an additional 2000 Red Cells collected (and expired) or 86 CD donors



Location of Demand



- London order 20 – 26 % platelets A neg or AB neg.
- Filton, Birmingham, Liverpool, Newcastle 16 – 20%.
- Rest of England < 15 %

If other regions follow London ordering pattern, then national **Demand would rise by 20%** (2 500 ATDs)

If London reduced A / AB neg ordering to 20 % of total platelets then national demand would **fall by 11% - 90 ATDS**

This would remove the requirement to collect additional A neg Whole Blood

Supply Constraints

Pools:

Pooling at current levels requires A neg WB collection above Red Cell requirement.

• This leads to Red Cell expiry.

- 3200 excess A neg Red Cells expired in 2018/19
- Cost £128 k *assumes £40 collection cost
- each pool made from the additional A neg collection costs £239 to make and is sold for £193
- Additional 275 WB collection per week provides c. 50 ATDs per week

CD:

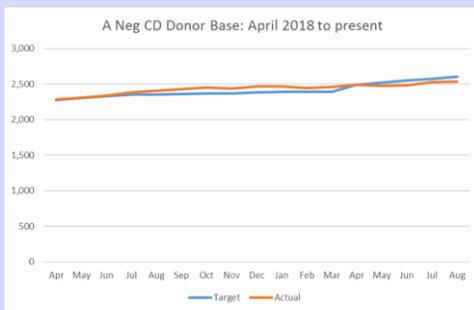
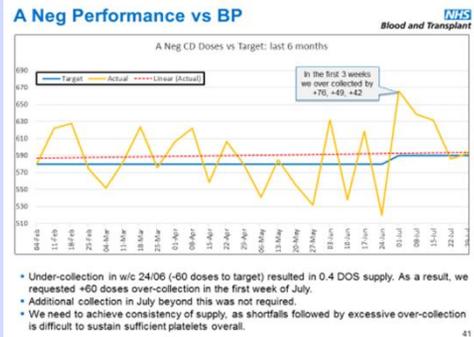
Currently 2530 donors pool (July 2019)

- CD target is 31133 CD ATD per year, 600 ATD per week
- Additional 43 donors required to sustain each additional 10 ATDs per week

Collection has not been able to consistently meet 590 ATD per week target.

Donor base has increased by 15.75 donors per month, over last 18 months

- needs 200 donors to remove additional A neg WB collection
- and a further 86 per year to meet the rising trend



Questions for discussion?

- Does your hospital hold stock platelets or order on a named patient basis?
- What is your laboratories dereservation period for platelets?
- Do you know what your laboratories platelet wastage is like?
- Does your laboratory share platelets with any other laboratory?

Acknowledgements

- Clive Hyam
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- Lise Estcourt

Any questions?

