

31 March 2021

Alistair JL
 C/o Email: fyi.org.nz website

By Email: fyi.org.nz website

Dear Alistair

Re Your Enquiry: Use of Blood Products

Your request re use of blood products has been transferred to the New Zealand Blood Service (NZBS) by Auckland District Health Board.

To the four questions you posed, NZBS would advise as follows:

Question 1: point of donation and blood product categories relevant at the point of use.

The table below sets out that detail in a format we trust you find useful.

Starting Donation	Standard “off the shelf” components	Components by special request	Who will use this product
Whole Blood	Whole Blood		Neonates / infants on bypass Emergency Blood in Westpac helicopter
	Whole Blood Plasma Reduced		Neonates for exchange transfusion
	Resuspended Red Cells		Mainly used by adults e.g. bleeding, anaemia
	Resuspended Red Cells Neonatal		Neonates needing top up transfusion
	Platelet pools (from buffy coats)		Generally used by adults e.g. bleeding in surgery, haematology-oncology
	Plasma		Not for clinical use – sent to the fractionator
		Washed red cells	IgA deficient patients
		Thawed cryopreserved red cells	Patients with very rare blood types
		Red Cells for Intra Uterine Transfusion (IUT)	Foetus

Starting Donation	Standard “off the shelf” components	Components by special request	Who will use this product
Apheresis Platelets	Platelets in Platelet Additive solution		Mainly used by adults e.g. bleeding in surgery, haematology-oncology
	Platelets Neonatal		Neonates
		Cryopreserved platelets	Mainly for Autologous use for haematology patients
		Concentrated platelets for IUT	Foetus
		Washed platelets	IgA deficient patients
Apheresis plasma	Fresh frozen plasma		Adult use, traumatic haemorrhage, burns
	Fresh frozen plasma neonatal		Neonates
	Cryoprecipitate		Traumatic haemorrhage

All of the above components set out in this table are classified as fresh blood products.

Question 2: Auckland region blood product usage between 1 January 2020 to 31 December 2020.

NZBS has interpreted this question as being usage of all fresh blood products within the Auckland region as covered by the Waitemata, Auckland and Counties Manukau District Health Boards for the nominated 12 month period. The information provided below is based on that understanding.

District Health Board	Fresh Product Issues
Waitemata	8,681
Auckland	29,828
Counties Manukau	12,333
Laboratory Use	112
Auckland Region	50,954

Question 3: as per question 2 but by each DHB and any use outside the public hospital system.

For the 12 months to 31 December 2020 fresh blood product usage total 50,954 units with the Auckland region. The above table provides the usage by DHB as requested. As regards usage outside the public hospital system NZBS can confirm 638 units (7.35%) of the Auckland DHB total were issued to private hospitals. NZBS is able to confirm this figure as it manages the Auckland city hospital blood bank.

As NZBS does not manage either the Waitemata or Counties Manukau blood banks the level of private hospital usage cannot be provided by NZBS. NZBS can confirm the usage figures provided for those DHBs would include such usage.

Question 4: How many units of Blood Product were used by each department of Middlemore hospital over the same 12 month period.

The table below provides the level of detail requested.

Counties Manukau District Health Board			
Ward Description	Grand Total	Ward Description	Grand Total
2nd Floor Manukau Surgery Centre	17	Paediatric Surgical Care	13
Admitting/Discharge Unit	7	Papakura Hospital	3
Antenatal Clinic	1	Plastic Clinic	1
Assessment Labour	200	Pre Admit Renal	6
Baby Birthing Unit	23	Pre Admit Surgical	29
Birthing Unit	292	Preadmit Gynae C Floor	3
Blood Bank MM	-	Pukekohe Hospital	46
Coronary Care S. D. Unit	10	Renal Satellite Unit - MSC	40
Coronary Care Unit	26	South Auckland Hospice	20
Day Stay Surgery	17	Theatre	413
Dialysis Unit - Amc	789	Ward 1	462
Dialysis Unit (CAPD)	8	Ward 10	335
Diaverum Dialysis Clinic Mangere	12	Ward 11	190
Discharge Lounge	5	Ward 17	74
Emergency Care	2,726	Ward 2	364
Emergency Care Resus Mm	15	Ward 21	58
French/Mcauslan Reg OOPC	1	Ward 23	4
Galbraith Infusion Centre	185	Ward 24	21
Gastro. O.P.	4	Ward 31	20
General Medicine	3	Ward 32	307
Gynae Care Unit	161	Ward 33 East Edmund Hilary Block	154
Gynae Op Superclinic	3	Ward 33N - EHB	181
Haematology Lab Mmh	2	Ward 34E - EHB	160
Haematology O.P.	1,655	Ward 34N - EHB	169
High Dependency Unit	156	Ward 35	83
Manakau Superclinic Stock	1	Ward 4 / AMC	23
Manuaku Superclinic 1	4	Ward 5	27
Maternity Ward	135	Ward 6	180
Middlemore Hospital	20	Ward 7	182
MMH Intensive Care Unit	680	Ward 8	179
MSC Outpatients	89	Ward 9	204
National Burns Unit	82	Destruction Centre	605
Neonatal Unit	119	Ormiston Rd Hospital	52
No Location	6	South Auckland Hospice	12
Oncology Clinic	44	Movement in Blood Bank Stock Holding	210
Paediatric Medical Care	5	Usage - 1 /01/2020 to 31/12/2020	12,333

Yours sincerely,



Sam Cliffe
Chief Executive