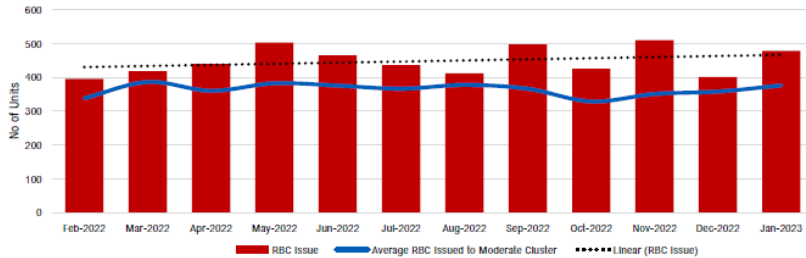


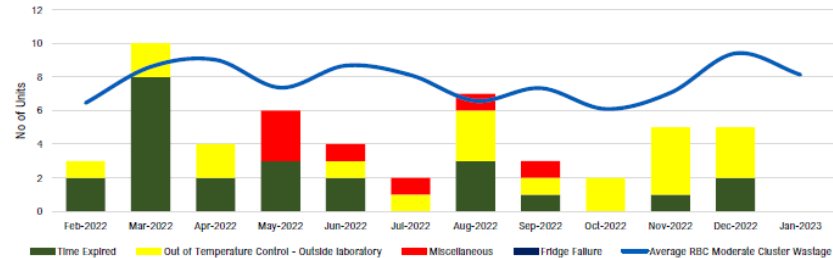
PulseCode Hospital

Report Month January
Red Cell User Category Moderate

Monthly Red Cell Issues



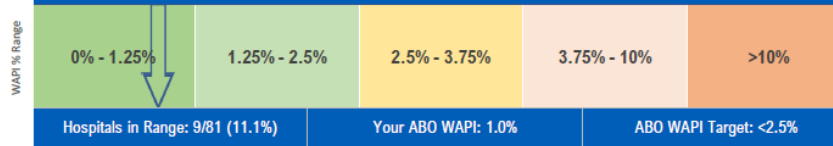
Monthly A, B & O Red Cell Wastage



Red Cell Summary

	12 Month ABO ISI	Latest month RBC stock data entry	Latest month A, B & O WAPI(%)	Latest month RBC wastage data entry
You	5.7 Days	Pass	No Data	No Data
Moderate Cluster Average	6.2 Days		2.7%	

A, B & O WAPI KPI (all site data refers to average for last 12 Month)

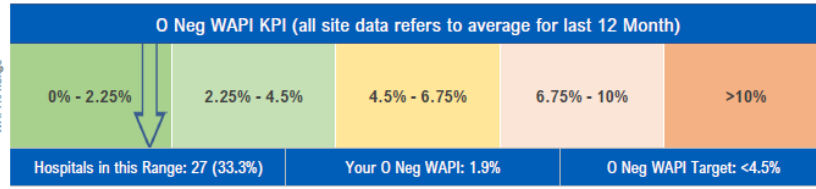
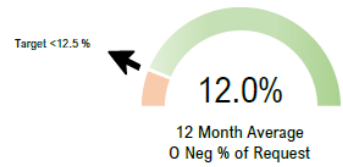
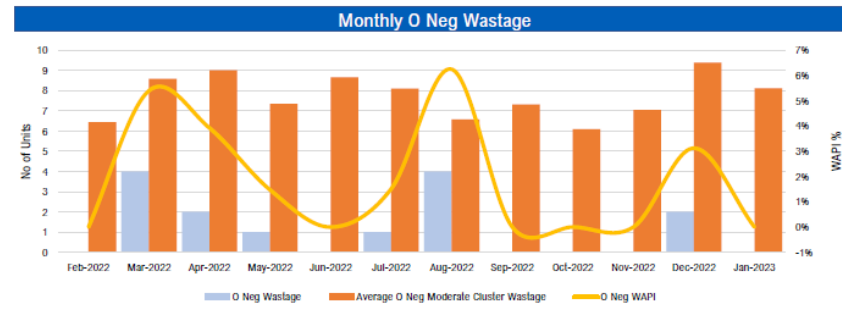
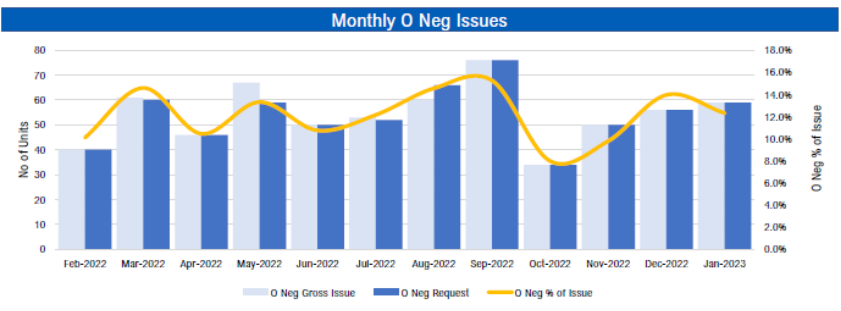


Date	Total RBC Gross Issue	Total RBC Issue Monthly % Change	ABO Gross Issue	RBC Movement	Total RBC Net Issue	ABO Daily Average Stock	ABO Daily Average ISI	RBC Stock data entry	Total RBC Wastage	ABO Wastage	Time Expire Wastage %	ABO WAPI	RBC Wastage Data Entry
2022													
February	396		381	9	405	85	6.2	Pass	5	3	80.0%	0.8%	Pass
March	418		407	16	434	89	6.5	Pass	15	10	86.7%	2.4%	Pass
April	440		426	5	445	88	6.2	Pass	6	4	66.7%	0.9%	Pass
May	503		483	3	506	87	6.2	Pass	6	6	50.0%	1.2%	Pass
June	465		453	10	475	85	5.9	Pass	9	4	77.8%	0.9%	Pass
July	436		418	13	449	86	6.0	Pass	2	2		0.5%	Pass
August	412		401	6	418	83	5.7	Pass	11	7	63.6%	1.7%	Pass
September	498		479		498	81	5.6	Pass	6	3	66.7%	0.6%	Pass
October	426		411		426	72	4.9	Pass	2	2		0.5%	Pass
November	510		495	6	516	73	5.0	Pass	5	5	20.0%	1.0%	Pass
December	401		384	8	409	79	5.4	Pass	6	5	50.0%	1.3%	Pass
2023													
January	479		464	-2	477	77	5.4	Pass					No Data
12 Month	5,384	1.3%	5,202	74	5,458	82	5.7		73	51	63.0%	1.0%	
12 Month Cluster Average	4,370	0.4%	4,374		4,374	62	6.2		86	68	64.8%	1.6%	

Red Cell Report - O Negative Focus

PulseCode Hospital

Report Month January
Red Cell User Category Moderate



Date	O Neg Gross Issue	O Neg Issue Monthly % Change	Total RBC Gross Issue	O Neg % of Issue	O Neg Requests	O Neg Movement	O Neg Net Issue	O Neg Daily Average Stock	O Neg Daily Avg ISI	O Neg Wastage	O Neg Time Expire Wastage %	O Neg % of Total Wastage	O Neg WAPI
2022													
February	40		396	10.1%	40	9	49	11	5.8				
March	61		418	14.6%	60	13	74	11	6.1	4	75.0%	26.7%	5.4%
April	46		440	10.5%	46	5	51	11	5.7	2	50.0%	33.3%	3.9%
May	67		503	13.3%	59	1	68	10	5.3	1		16.7%	1.5%
June	50		465	10.8%	50	8	58	10	4.9				
July	53		436	12.2%	52	13	66	10	5.4	1		50.0%	1.5%
August	60		412	14.6%	66	4	64	9	4.7	4	25.0%	36.4%	6.3%
September	76		498	15.3%	76		76	10	4.6				
October	34		426	8.0%	34		34	9	4.4				
November	50		510	9.8%	50	4	54	10	4.8				
December	56		401	14.0%	56	8	64	10	5.2	2	50.0%	33.3%	3.1%
2023													
January	59		479	12.3%	59	2	61	9	4.6				
12 Month	652	2.5%	5,384	12.1%	648	67	719	10	5.1	14	42.9%	19.2%	1.9%
12 Month Cluster Average	573	0.5%	4,370	13.2%	566		574	11	8.2	20	62.3%	22.4%	3.4%

Platelet Report

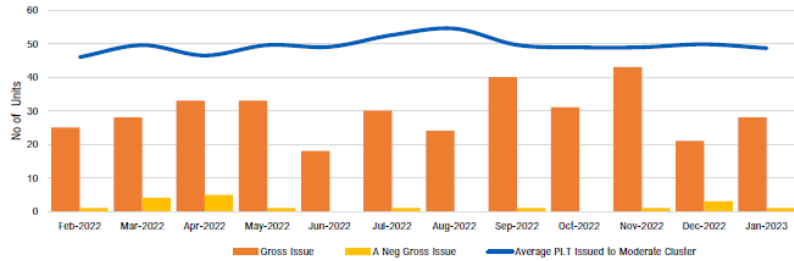
PulseCode

Hospital

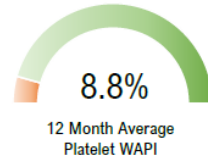
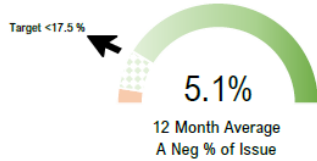
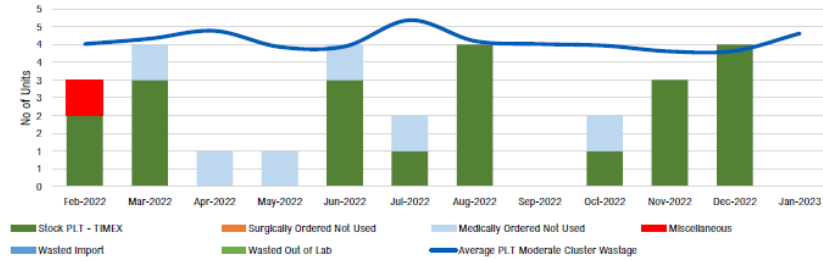
Report Month
Platelet User Category

January
Moderate

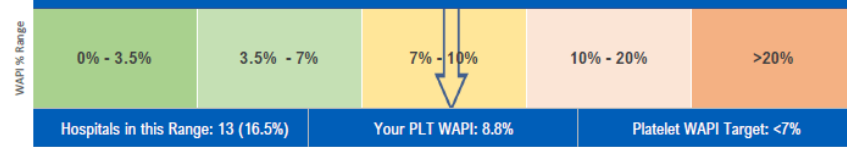
Monthly Platelet Issues



Monthly Platelet Wasteage



Platelet WAPI KPI (all site data refers to average for last 12 Month)



Date	Total Platelet Gross Issue	PLT Issue monthly Change	%	Platelet Net Issue	PLT A Neg Request	PLT A Neg Issue	PLT A Neg % of Issue	PLT A Pos Issue	Total Platelet Wasteage	A Neg Wasteage	A Neg % of Wasteage	PLT Stock - TIMEX Wasteage	PLT Total WAPI	Platelet Wasteage Data Entry
2022														
February	25			23	1	1	4.0%	20	3			2	13.0%	Pass
March	28			26	4	4	14.3%	21	4	1	25.0%	3	15.4%	Pass
April	33			31	1	5	15.2%	24	1	1	100.0%		3.2%	Pass
May	33			31	1	1	3.0%	27	1	1	100.0%		3.2%	Pass
June	18			15				17	4			3	26.7%	Pass
July	30			26	1	1	3.3%	24	2			1	7.7%	Pass
August	24			21				22	4			4	19.0%	Pass
September	40			36		1	2.5%	32						Pass
October	31			22				23	2			1	9.1%	Pass
November	43			49	1	1	2.3%	38	3			3	6.1%	Pass
December	21			14	3	3	14.3%	17	4	1	25.0%	4	28.6%	Pass
2023														
January	28			25	1	1	3.6%	25						No Data
12 Month	354	-0.3%		319	13	18	5.1%	290	28	4	14.3%	21	8.8%	
12 Month Cluster Average	590	0.1%		588	90	103	18.1%	233	41	9	23%	23	7.3%	

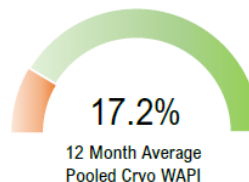
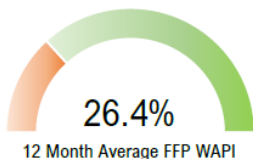
Frozen Product Report

PulseCode

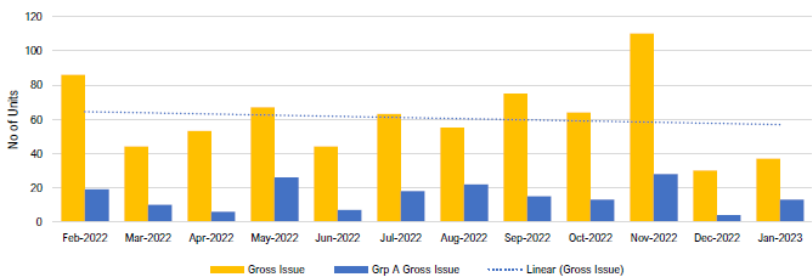
Hospital

Report Month
Platelet User Category

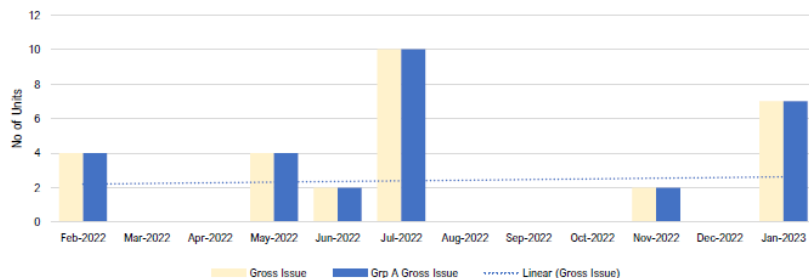
January
Moderate



Monthly Adult FFP Issue



Monthly Pooled Cryo Issues



Date	Gross FFP Issue	FFP Issues monthly % Change	Grp A Gross Issue	Grp A % of Issue	Total FFP Wastage	FFP Grp A Wastage	FFP WAPI	FFP Wastage Data Entry	Gross Pooled Cryo Issue	Cryo Issue monthly % Change	Total Cryo Wastage	Cryo WAPI	Cryo Wastage Data Entry
2022													
February	86		19	22.1%	20	2	23.3%	Pass	4				Pass
March	44		10	22.7%	12	3	27.3%	Pass	4				Zero Issues
April	53		6	11.3%	22	4	41.5%	Pass	2				Zero Issues
May	67		7	38.8%	7	4	10.4%	Pass	10		2	20.0%	Pass
June	44		7	15.9%	20	4	45.5%	Pass	2				Pass
July	63		18	28.6%	20	11	31.7%	Pass	2				Pass
August	55		22	40.0%	25	9	45.5%	Pass	2				Zero Issues
September	75		15	20.0%	22	8	29.3%	Pass	2				Zero Issues
October	64		13	20.3%	20	4	31.3%	Pass	2				Zero Issues
November	110		28	25.5%	12	1	10.9%	Pass	2		1	50.0%	Pass
December	30		4	13.3%	12	3	40.0%	Pass	2		2	0.0%	Zero Issues
2023													
January	37		13	35.1%				No Data	7				No Data
12 Month	728	0.1%	181	24.9%	192	49	26.4%		29	20.8%	5	17.2%	

Red Cell & Platelet BSMS User Categories

Hospitals are categorised into red cell and platelet user groups based primarily on annual component issues volumes combined with an objective review before assigning. The user groups are used to enable cluster benchmarking within BSMS reports. Current group boundaries are shown below (updated April 2022)

Red Cell BSMS User Groups

BSMS user category	Annual component issues for cluster
Very High	> 9,500
High	> 5,750 & ≤ 9,500
Moderate	> 3,000 & ≤ 5,750
Low	> 500 & ≤ 3,000
Very Low	≤ 500

Platelet BSMS User Groups

BSMS user category	Annual component issues for cluster
Very High	> 1,800
High	> 900 & ≤ 1,800
Moderate	> 300 & ≤ 900
Low	> 45 & ≤ 300
Very Low	≤ 45

KPIs are decision-making and monitoring tools allowing hospitals to benchmark performance in relation to strategic goals against other similar sites. KPIs can be an early warning system, flagging up where things might be deviating from the intended course and where action might be required.

BSMS provides KPI's for both red cell Issueable Stock Index (ISI) and Wastage as a percentage of issue (WAPI). These targets are based on data provided through VANESA over a rolling period and correlated to give overall achievable targets. The results can then be used to compare or monitor performance and identify

To view these metrics in more detail [click here](#) to download our **Inventory Management of Blood Components - Best Practice Guide**

KPI for Red Cell ISI

This KPI provides the ideal ISI for each hospital category (determined by BSMS) and relates to the number of days worth of red cell stock you have for each blood group. A lower KPI can be associated with a lower stockholding and/or greater turnover of red cell stock. Higher ISI value than the targeted amount may indicate overstocking and a stock level review would be

User Category	Red Cell ISI Targets							
	O+	O-	A+	A-	B+	B-	AB+	AB-
Very High	3-4	4-5	3-4	4-5	4-5	4-6	n/a	n/a
High	4-5	5-6	4-5	5-6	5-6	5-7	n/a	n/a
Moderate	4-6	5-7	4-6	5-7	5-7	5-8	n/a	n/a
Low	6-8	7-9	6-8	7-9	7-9	7-10	n/a	n/a
Very Low	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

KPI for Red Cell and Platelet WAPI

This KPI provides each user category with a WAPI target for red cells and platelets. This metric is compiled from all wastage types and is then calculated to give a value, and the lower the WAPI, the less wastage you have accumulated. The target variation between user categories recognises the different operational needs and challenges between hospitals.

KPI for Red Cell WAPI

User Category	RBC wastage	
	A, B & O WAPI	O neg WAPI
Very High	<2.5%	<4.5%
High	<2.5%	<4.5%
Moderate	<2.5%	<4.5%
Low	<5.0%	<7.0%
Very Low	n/a	n/a

KPI for Platelet WAPI

User Category	Plt wastage
	Total Plt WAPI
Very High	<4.0%
High	<5.0%
Moderate	<7.0%
Low	<7.5%
Very Low	n/a

Red Cell & O Neg Report

Gross Issues - Adult Red cell issues from NHSBT Stock Holding Unit (SHU) to the named receiving hospital.

Net Issues - Adult Red cell GROSS issues +/- any movements made to/from another hospital where these have been recorded in VANESA.

RBC Requests - Units requested by the hospital (Comparison to issue volume will indicate any substitutions that have taken place - for O negative red cells these units may have been provided in order to meet request specification).

Average RBC Issued to user cluster (*monthly red cell issues graph*) - Average monthly issues of Red Cell for all hospitals within the cluster.

ABO Daily Average Stock - The average daily stock held that month (excludes Group AB red cell stock).

ABO Daily Avg Issuable Stock Index (ISI) - Represents an approximated average daily number of days' of stock held based on submitted stock data through VANESA (excludes AB red cell stock).

RBC Stock data entry - Recording less than 15 red cell stock entries per month indicated as "Fail", submitting more than 15 red cell stock entries indicated as "Pass".

WAPI - Wastage as a percentage of Net Issue. Number of units wasted represented as a percentage of those issued.

RBC Wastage data entry - Displays "Pass" if wastage entries occurred in that month otherwise reported as "No Data".

Movement - A positive number indicates net movement into the hospital. A negative number indicates net movement out of the hospital.

Platelet Report

Gross Issues - Platelet Issues from NHSBT SHU to named receiving hospital.

Average PLT Issued to user cluster (*monthly platelet issues graph*) - Average monthly issues of Platelets for all hospitals within the cluster.

WAPI - Wastage as a percentage of Net Issue. Number of units wasted represented as a percentage of those issued.

PLT Stock - TIMEX Wastage - How much PLT Stock TIMEX wastage reported as a percentage of the total Platelet wastage.

Platelet Wastage Data entry - Displays "pass" if wastage entries occurred in that month otherwise reported as "No Data"

FFP & Cryo Report

Gross Issues - Adult FFP or Pooled Cryo Issued from NHSBT SHU to the named receiving hospital

WAPI - Wastage as a percentage of Net Issue

Wastage Reporting - Displays "pass" if wastage entries occurred in that month otherwise reported as "No Data"

General Information

Report contains data specific to the site listed and concerns adult components only (including LVT units). Please note that neonatal components are not included in this report.



Data provided in this report was correct at the time of production but may be subject to change. All data provided by Blood Stocks Management Scheme. For further information and support please contact BSMS by email: bsms@nhsbt.nhs.uk