

2023-24

**Blood Stocks**  
Management Scheme



# BSMS USER GROUPS

**BSMS RBC, Plt, FFP & Cryo User Groups**  
From August 2023

## Blood Stocks Management Scheme Hospital User Groups

The BSMS red blood cell and platelet usage categories have been updated to reflect current and historical component issues to hospitals. The revised user groups are in use from August 2023. BSMS participants are categorized into user groups for both red cells and platelets, based upon their annual issues from the blood service. The categories consist of **Very High, High, Moderate, Low** and **Very Low**. Hospitals may move between categories as their numbers of red cell or platelet issues changes. The user groups can also be referred to as a 'cluster'. In addition, we have also defined and created user groups for **FFP** and **Cryoprecipitate** and these will be applied to benchmarking reports in future months.

To provide effective hospital benchmarking and considering the variable and ever-changing service configuration of hospitals over the past 3 years, we have established a standardised approach based on methodology used in last year's review. We have considered both red cell and platelet GROSS issues (what was issued to the hospital by the appropriate blood service) and NET issues (as for gross issues but also factoring in any component movements) over the past 5 years to establish our clusters; with increased weighting applied to the most recent 12 months.

### Red Cell BSMS User Groups

Component Type: Red Blood Cells		
BSMS user category	N°. of Hospitals	Group criteria (n°. RBC units issued annually)
Very High	31	> 10,000
High	50	> 6,000 & ≤ 10,000
Moderate	89	> 3,000 & ≤ 6,000
Low	49	> 500 & ≤ 3,000
Very Low	22	≤ 500

### Platelet BSMS User Groups

Component Type: Platelets		
BSMS user category	N°. of Hospitals	Group criteria (n°. Plt units issued annually)
Very High	36	> 1,800
High	49	> 900 & ≤ 1,800
Moderate	80	> 315 & ≤ 900
Low	46	> 50 & ≤ 315
Very Low	30	≤ 50



## FFP BSMS User Groups

Component Type: Fresh Frozen Plasma (FFP)		
BSMS user category	Nº. of Hospitals	Group criteria (nº. FFP units issued annually)
Very High	32	> 1,200
High	47	> 500 & ≤ 1,200
Moderate	84	> 170 & ≤ 500
Low	44	> 15 & ≤ 170
Very Low	34	≤ 15

## Pooled Cryo BSMS User Groups

Component Type: Pooled Cryoprecipitate (Cryo)		
BSMS user category	Nº. of Hospitals	Group criteria (nº. Cryo units issued annually)
Very High	30	> 315
High	42	> 100 & ≤ 315
Moderate	86	> 30 & ≤ 100
Low	41	> 10 & ≤ 30
Very Low	42	≤ 10

The updated user groups are in use from **August 2023**.



If you have any questions, please do not hesitate to email us at [bsms@nhsbt.nhs.uk](mailto:bsms@nhsbt.nhs.uk)

Hospital Name	Pulse Code	RTC Region	BSMS Red Cell User Category	BSMS Platelet User Category	BSMS FFP User Category	BSMS Cryo User Category
Addenbrooke's Hospital	P250	East of England	Very High	Very High	Very High	Very High
Aintree University Hospital	M303	North West	High	High	High	High
Airedale General Hospital	C004	North East and Yorkshire	Moderate	Moderate	Low	Low
Alder Hey Children's Hospital	M301	North West	Low	High	Low	Low
Alexandra Hospital Redditch	H032	Midlands	Low	Low	Low	Low
Arrowse Park Hospital	M315	North West	High	High	High	Moderate
Barnet Hospital	P601	London	Moderate	Moderate	Moderate	Moderate
Barnsley Hospital	D001	North East and Yorkshire	Moderate	Low	Moderate	Moderate
Basildon Hospital	P265	East of England	Very High	High	Very High	Very High
Basingstoke and North Hampshire Hospital	S010	South East	Moderate	Moderate	Low	Very High
Bassetlaw District General Hospital	D025	North East and Yorkshire	Low	Low	Low	Very Low
Bedford General Hospital	P602	East of England	Moderate	Moderate	Moderate	Low
Birmingham Children's Hospital	H011	Midlands	Moderate	Very High	Very Low	Moderate
Birmingham City Hospital	H020	Midlands	High	Moderate	Moderate	High
Birmingham Heartlands Hospital	H021	Midlands	High	High	High	Moderate
Birmingham Women's Hospital	H015	Midlands	Low	Very Low	Low	Moderate
Blackpool Victoria Hospital	M201	North West	High	Very High	Moderate	High
Bradford Royal Infirmary	C001	North East and Yorkshire	High	High	Moderate	Moderate
Bristol Royal Infirmary	T150	South West	Very High	Very High	Very High	Very High
Broadgreen Hospital	M302	North West	Moderate	Moderate	High	High
Broomfield Hospital	P267	East of England	High	High	High	High
Burnley General Hospital	M207	North West	Moderate	Low	Low	Very Low
Calderdale Royal Hospital	C012	North East and Yorkshire	Low	Low	Low	Low
Central Middlesex Hospital	P604	London	Low	Very Low	Low	Very Low
Charing Cross Hospital	P605	London	Moderate	Moderate	High	High
Chase Farm Hospital	P266	London	Low	Very Low	Very Low	Very Low
Chelsea and Westminster Hospital	P607	London	Moderate	Moderate	High	High
Cheltenham General Hospital	T154	South West	Moderate	Moderate	Low	Low
Chesterfield Royal Hospital	D003	Midlands	Moderate	Moderate	Moderate	Moderate
CHG Chaucer Hospital	P503	South East	Very Low	Very Low	Very Low	Very Low
CHG Ealing Hospital	P789	London	Low	Low	Very Low	Very Low
CHG The Blackheath Hospital	P524	London	Low	Very Low	Low	Very Low
CHG The Ridgeway Hospital	T623	South West	Very Low	Very Low	Very Low	Very Low
Christie Hospital	M020	North West	High	Very High	Moderate	High
Churchill Hospital	T221	South East	Low	Moderate	Moderate	Moderate
Cleveland Clinic, London	P815	London	Low	Low	Moderate	High
Colchester General Hospital	P268	East of England	High	Moderate	Moderate	Moderate
Conquest Hospital	P143	South East	Moderate	Moderate	Moderate	Moderate
Countess of Chester Hospital	M317	North West	Moderate	Moderate	High	Moderate
County Hospital, Hereford	H024	Midlands	Moderate	Low	Moderate	Moderate
County Hospital, Staffordshire	H039	Midlands	Low	Low	Low	Very Low
Cromwell Hospital	P610	London	Low	Low	Low	Low
Croydon University Hospital	P156	London	Moderate	Moderate	High	Moderate
Cumberland Infirmary	N033	North East and Yorkshire	Moderate	Moderate	Moderate	Moderate
Darent Valley Hospital	P130	South East	Moderate	High	High	Moderate
Darlington Memorial Hospital	N063	North East and Yorkshire	Moderate	Moderate	Moderate	Low
Derriford Hospital	T147	South West	Very High	Very High	Very High	High
Dewsbury and District Hospital	C013	North East and Yorkshire	Low	Low	Very Low	Very Low
Diana Princess of Wales Hospital, Grimsby	D008	North East and Yorkshire	Moderate	Moderate	Low	Low
Doncaster Royal Infirmary	D006	North East and Yorkshire	High	Moderate	High	Moderate
Dorset County Hospital	S020	South West	Moderate	Moderate	High	Low
Ealing General Hospital	P611	London	Low	Low	Moderate	Moderate
East Surrey Hospital	P166	South East	Moderate	Moderate	High	Moderate
Eastbourne District General Hospital	P125	South East	Moderate	Moderate	Low	Moderate
Epsom General Hospital	P151	London	Low	Low	Low	Low
Fairfield General Hospital	K003	North West	Low	Low	Low	Moderate
Freeman Hospital	N083	North East and Yorkshire	Very High	Very High	Very High	Very High
Frimley Park Hospital	P152	South East	Moderate	Moderate	High	Moderate
Furness General Hospital	M205	North West	Low	Low	Moderate	Very Low
George Eliot Hospital	H026	Midlands	Moderate	Low	Moderate	Low
Glenfield General Hospital	D011	Midlands	High	High	High	Very High
Gloucester Royal Hospital	T153	South West	High	Moderate	High	Moderate
Good Hope Hospital	H023	Midlands	Moderate	Moderate	Moderate	Moderate
Grantham and District Hospital	D007	Midlands	Low	Very Low	Very Low	Very Low
Great Ormond Street Hospital	P633	London	Moderate	Very High	Very Low	Moderate
Great Western Hospital	T625	South West	Moderate	High	Moderate	Moderate
Guy's Hospital	P134	London	Very High	High	Moderate	High
Halton General Hospital	M304	North West	Low	Low	Very Low	Very Low
Hammersmith Hospital	P614	London	Very High	Very High	Very High	Very High
Harefield Hospital	P615	London	Moderate	High	Very High	High
Harrogate District Hospital	C003	North East and Yorkshire	Low	Moderate	Low	Low
HCA Laboratories	P609	London	Moderate	Moderate	Very Low	High
Hillingdon Hospital	P617	London	Moderate	Moderate	Moderate	Moderate
Hinchingbrooke Hospital	P251	East of England	Low	Low	Low	Moderate
Homerton Hospital	P270	London	High	Low	Moderate	High
Horton Hospital	T604	South East	Low	Low	Low	Very Low
Huddersfield Royal Infirmary	C011	North East and Yorkshire	High	Moderate	Moderate	Moderate
Hull Royal Infirmary	C016	North East and Yorkshire	Very High	Very High	Very High	Very High
Ipswich Hospital	P252	East of England	High	High	High	High
James Paget University Hospital	P253	East of England	Moderate	High	Moderate	Moderate

Hospital Name	Pulse Code	RTC Region	BSMS Red Cell User Category	BSMS Platelet User Category	BSMS FFP User Category	BSMS Cryo User Category
John Radcliffe Hospital	T610	South East	Very High	Very High	Very High	Very High
Kent and Canterbury Hospital	P136	South East	Moderate	Moderate	Moderate	Low
Kettering General Hospital	T611	Midlands	Moderate	High	Moderate	Moderate
King George Hospital	P273	London	Low	Low	Low	Moderate
King's College Hospital	P124	London	Very High	Very High	Very High	Very High
King's Mill Hospital	D015	Midlands	Moderate	Low	Moderate	Low
Kingston Hospital	P155	London	Moderate	Moderate	Moderate	High
Leeds General Infirmary	C019	North East and Yorkshire	High	Very High	Very High	Very High
Leicester General Hospital	D010	Midlands	Low	Low	Moderate	Moderate
Leicester Royal Infirmary	D012	Midlands	Very High	Very High	High	Very High
Leighton Hospital	M026	North West	Moderate	Moderate	Moderate	Low
Lewisham Hospital	P135	London	High	Moderate	High	Moderate
Lincoln County Hospital	D013	Midlands	Moderate	High	Moderate	Moderate
Lister Hospital, Stevenage	P619	East of England	High	Moderate	High	Moderate
Liverpool Women's Hospital	M305	North West	Low	Very Low	Low	Very Low
London Bridge Hospital	P620	London	Low	Moderate	Very Low	High
Luton and Dunstable Hospital	P622	East of England	High	Moderate	Moderate	Moderate
Macclesfield District General Hospital	M028	North West	Low	Low	Moderate	Very Low
Maidstone Hospital	P138	South East	Moderate	High	Low	Moderate
Manchester University Hospital - Oxford Road	M103	North West	Very High	Very High	Very High	Very High
Medway Maritime Hospital	P119	South East	Moderate	High	High	Moderate
Milton Keynes General Hospital	T613	East of England	Moderate	High	Moderate	Moderate
New Cross Hospital	H050	Midlands	High	Very High	High	High
Newham University Hospital	P279	London	Moderate	Moderate	High	High
Norfolk and Norwich University Hospital	P255	East of England	Very High	High	High	High
North Devon District Hospital	T163	South West	Moderate	Low	Low	Low
North Manchester General Hospital	M032	North West	Moderate	Low	Moderate	Moderate
North Middlesex Hospital	P280	London	Very High	Moderate	High	Moderate
Northampton General Hospital	T615	Midlands	High	Moderate	Moderate	Moderate
Northern General Hospital	D022	North East and Yorkshire	High	High	Very High	Very High
Northumbria Specialist Emergency Care Hospital	N024	North East and Yorkshire	Moderate	Moderate	Moderate	Low
Northwick Park Hospital	P627	London	Very High	Very High	Very High	High
Nottingham University Hospital - City Campus	D016	Midlands	Very High	Very High	High	Very High
Nottingham University Hospital - Queens Campus	D017	Midlands	High	High	High	Very High
Nuffield Hospital Brentwood	P290	East of England	Very Low	Very Low	Very Low	Very Low
Nuffield Hospital Brighton	P496	South East	Low	Very Low	Very Low	Very Low
Nuffield Hospital Cheltenham	T766	South West	Very Low	Very Low	Very Low	Very Low
Nuffield Hospital Exeter	T430	South West	Very Low	Very Low	Very Low	Very Low
Nuffield Hospital Guildford	P904	South East	Very Low	Very Low	Very Low	Very Low
Nuffield Hospital Leeds	C138	North East and Yorkshire	Very Low	Low	Low	Low
Nuffield Hospital Newcastle	N113	North East and Yorkshire	Very Low	Very Low	Very Low	Very Low
Nuffield Hospital Warwickshire	H051	Midlands	Very Low	Very Low	Very Low	Very Low
Nuffield Hospital Wessex	S028	South East	Low	Very Low	Very Low	Very Low
Nuffield Hospital Wolverhampton	H053	Midlands	Very Low	Very Low	Very Low	Very Low
Nuffield The Manor Hospital, Oxford	T602	South East	Very Low	Very Low	Low	Very Low
Parkside Hospital	P510	London	Very Low	Low	Very Low	Very Low
Peterborough City Hospital	P257	East of England	High	High	Moderate	High
Pilgrim Hospital, Boston	D002	Midlands	Moderate	Moderate	Moderate	Moderate
Pinderfields General Hospital	C008	North East and Yorkshire	High	Very High	Moderate	High
Poole General Hospital	S013	South West	Moderate	Moderate	Moderate	Moderate
Princess Alexandra Hospital, Harlow	P271	East of England	Moderate	Moderate	High	Moderate
Princess Royal Hospital, Haywards Heath	P150	South East	Moderate	Moderate	Low	Moderate
Princess Royal Hospital, Telford	H046	Midlands	Low	Low	Low	Low
Princess Royal University Hospital, Farnborough	P128	London	High	High	High	Moderate
Queen Alexandra Hospital, Portsmouth	S014	South East	Very High	Very High	High	High
Queen Elizabeth Hospital, Birmingham	H031	Midlands	Very High	Very High	Very High	Very High
Queen Elizabeth Hospital, Gateshead	N183	North East and Yorkshire	Moderate	Moderate	Moderate	Low
Queen Elizabeth Hospital, Kings Lynn	P254	East of England	Moderate	Moderate	Moderate	Moderate
Queen Elizabeth Hospital, Woolwich	P133	London	Moderate	Moderate	Moderate	High
Queen Elizabeth the Queen Mother Hospital, Margate	P248	South East	Moderate	Moderate	High	Low
Queen's Hospital, Burton on Trent	H014	Midlands	Moderate	Moderate	Low	Low
Queen's Hospital, Romford	P285	London	High	High	High	High
Ramsay Hospitals Birmingham	H092	Midlands	Very Low	Very Low	Very Low	Very Low
Ramsay Renacres Hall	M015	North West	Very Low	Very Low	Very Low	Very Low
Ramsay Rivers Hospital	P801	East of England	Very Low	Very Low	Very Low	Very Low
Rotherham General Hospital	D018	North East and Yorkshire	Moderate	Moderate	Moderate	Moderate
Royal Berkshire Hospital	T619	South East	High	High	Moderate	High
Royal Blackburn Hospital	M056	North West	Moderate	High	High	Moderate
Royal Bolton Hospital	M014	North West	Moderate	Moderate	Moderate	Low
Royal Bournemouth Hospital	S011	South West	Moderate	High	Moderate	Moderate
Royal Brompton Hospital	P603	London	Moderate	High	Very High	Very High
Royal Cornwall Hospital	T167	South West	High	Moderate	High	High
Royal Derby Hospital	D004	Midlands	Very High	High	High	High
Royal Devon and Exeter Hospital	T155	South West	High	High	Moderate	Moderate
Royal Free Hospital	P631	London	Very High	High	Very High	Very High
Royal Hallamshire Hospital	D021	North East and Yorkshire	High	Very High	Moderate	Moderate
Royal Hampshire County Hospital	S015	South East	Low	Low	Low	Moderate
Royal Lancaster Infirmary	M202	North West	Moderate	Moderate	Moderate	Moderate
Royal Liverpool University Hospital	M308	North West	High	Very High	High	High
Royal London Hospital	P275	London	Very High	High	Very High	Very High

Hospital Name	Pulse Code	RTC Region	BSMS Red Cell User Category	BSMS Platelet User Category	BSMS FFP User Category	BSMS Cryo User Category
Royal Marsden Hospital, Fulham Road	P114	London	Moderate	High	Moderate	Moderate
Royal Marsden Hospital, Sutton	P161	London	Moderate	Very High	Low	Moderate
Royal National Orthopaedic Hospital	P632	London	Low	Low	Moderate	Low
Royal Oldham Hospital	M036	North West	High	Very High	High	High
Royal Papworth at Cambridge Biomed Campus	P810	East of England	Moderate	High	High	Very High
Royal Preston Hospital	M204	North West	High	High	High	Moderate
Royal Shrewsbury Hospital	H036	Midlands	High	High	Moderate	Moderate
Royal Stoke University Hospital	H041	Midlands	Very High	Very High	Very High	Very High
Royal Surrey County Hospital	P375	South East	Moderate	Moderate	Moderate	Moderate
Royal Sussex County Hospital	P144	South East	High	Very High	Very High	Very High
Royal United Hospital, Bath	T161	South West	High	High	High	High
Royal Victoria Infirmary	N193	North East and Yorkshire	High	Very High	Very High	Very High
Russells Hall Hospital	H033	Midlands	High	High	Moderate	Moderate
Salford Royal Hospital	M022	North West	High	High	Very High	High
Salisbury District Hospital	S017	South West	Moderate	Moderate	Moderate	Low
Sandwell General Hospital	H037	Midlands	Moderate	Moderate	Moderate	Moderate
Scarborough Hospital	C014	North East and Yorkshire	Moderate	Moderate	Moderate	Moderate
Scunthorpe Hospital	D019	North East and Yorkshire	Moderate	Low	Low	Low
Sheffield Children's Hospital	D020	North East and Yorkshire	Low	High	Low	Low
Solihull Hospital	H043	Midlands	Low	Low	Very Low	Very Low
South Tyneside District General Hospital	N213	North East and Yorkshire	Low	Low	Moderate	Low
Southampton University Hospital	S016	South East	Very High	Very High	Very High	Very High
Southend Hospital	P283	East of England	High	High	High	Moderate
Southmead Hospital	T152	South West	High	Moderate	Very High	High
Southport Hospital	M309	North West	Low	Low	Low	Very Low
SPIRE Bristol Hospital	T284	South West	Very Low	Very Low	Low	Low
SPIRE Hartswood Hospital	P303	East of England	Very Low	Very Low	Very Low	Very Low
SPIRE Leeds Hospital	C025	North East and Yorkshire	Very Low	Very Low	Very Low	Very Low
SPIRE Manchester Hospital	M082	North West	Low	Very Low	Very Low	Very Low
SPIRE Nottingham Hospital	D186	Midlands	Very Low	Very Low	Very Low	Very Low
SPIRE Parkway Hospital	H044	Midlands	Very Low	Very Low	Very Low	Very Low
SPIRE Southampton Hospital	S022	South East	Low	Moderate	Low	High
SPIRE St Anthony's Hospital	P490	London	Very Low	Low	Low	Low
St Bartholomew's Hospital	P284	London	Very High	Very High	Very High	Very High
St George's Hospital	P147	London	Very High	Very High	Very High	Very High
St Helier Hospital	P157	London	Moderate	Moderate	Moderate	Moderate
St James's University Hospital	C020	North East and Yorkshire	Very High	Very High	Very High	High
St John and St Elizabeth Hospital	P634	London	Very Low	Very Low	Very Low	Very Low
St Mary's Hospital, Isle of Wight	S012	South East	Moderate	Moderate	Moderate	Low
St Mary's Hospital, Praed Street	P635	London	High	High	Very High	Very High
St Peter's Hospital	P164	South East	Moderate	Moderate	High	Moderate
St Richard's Hospital	P165	South East	Moderate	Moderate	Moderate	Moderate
St Thomas' Hospital	P145	London	Very High	Very High	Very High	Very High
Stepping Hill Hospital	M040	North West	Moderate	Moderate	Moderate	Moderate
Stoke Mandeville Hospital	T624	South East	Moderate	High	Moderate	Moderate
Sunderland Royal Hospital	N223	North East and Yorkshire	High	High	High	Moderate
Tameside General Hospital	M042	North West	Moderate	Low	Moderate	Moderate
Taunton and Somerset Hospital	T158	South West	Moderate	High	Moderate	Moderate
TDL Birmingham	H030	Midlands	Low	Low	Low	Low
TDL Manchester	M112	North West	Low	Low	Low	Moderate
The James Cook University Hospital	N123	North East and Yorkshire	Very High	Very High	Very High	High
The London Clinic	P621	London	Low	Moderate	Moderate	Low
The Robert Jones & Agnes Hunt Orthopaedic Hospital	H029	Midlands	Low	Very Low	Very Low	Very Low
The Royal Albert Edward Infirmary, Wigan	M046	North West	Moderate	Moderate	Moderate	Low
Torbay Hospital	T160	South West	Moderate	Moderate	Low	Low
Trafford General Hospital	M044	North West	Low	Low	Very Low	Very Low
Tunbridge Wells Hospital, Pembury	P139	South East	Moderate	Moderate	Moderate	Moderate
University College Hospital	P287	London	Very High	Very High	Very High	High
University Hospital Coventry & Warwickshire	H047	Midlands	Very High	Very High	Very High	High
University Hospital of North Durham	N073	North East and Yorkshire	Moderate	Low	Moderate	Low
University Hospital of North Tees	N153	North East and Yorkshire	Moderate	Moderate	Moderate	Moderate
Walsall Manor Hospital	H049	Midlands	Moderate	Low	Moderate	Moderate
Warrington Hospital	M312	North West	Moderate	Low	Moderate	Moderate
Warwick Hospital	H048	Midlands	Moderate	Moderate	Low	Low
Watford General Hospital	P637	East of England	High	High	Moderate	High
West Cumberland Hospital	N233	North East and Yorkshire	Low	Low	Low	Low
West Middlesex Hospital	P639	London	Moderate	Moderate	Moderate	High
West Suffolk Hospital	P258	East of England	Moderate	Moderate	Moderate	Moderate
Westmorland General Hospital	M208	North West	Low	Very Low	Very Low	Very Low
Weston General Hospital	T164	South West	Low	Low	Low	Low
Wexham Park Hospital	T628	South East	Moderate	Moderate	High	Moderate
Whipps Cross Hospital	P286	London	High	Moderate	High	High
Whiston Hospital	M313	North West	High	Moderate	Moderate	Moderate
Whittington Hospital	P640	London	Very High	Moderate	Moderate	Moderate
William Harvey Hospital	P122	South East	Moderate	Moderate	High	Moderate
Worcestershire Royal Hospital	H052	Midlands	High	High	Moderate	Moderate
Worthing Hospital	P162	South East	Moderate	Moderate	Moderate	Moderate
Wycombe General Hospital	T609	South East	Low	Low	Low	Very Low
Wythenshawe Hospital	M050	North West	High	High	High	Very High
Yeovil District Hospital	T162	South West	Low	Moderate	Moderate	Low
York Hospital	C010	North East and Yorkshire	High	Moderate	Moderate	Moderate