

BSIS V1.3 Reporting Catalogue

This document describes the reports available in BSIS Version 1.3. These include both operational reports intended for use by donor clinic and laboratory staff as part of their operational workflow processes and aggregated data reports for management.

Name of Report	Description / content	Purpose	Category
Donor and Donation Management			
View/Export Donor List	Report listing all existing eligible donors who have donated within a selected time period or who are due to donate at the selected date, filtered by venue and blood group. The report must exclude donors who are deferred for any reason within the selected date range and are therefore ineligible to donate as well as those donors who have ineligible due to a positive TTI.	Used by donor recruitment staff when planning clinics to contact the donors, notify them of the planned clinic and encourage them to donate. Also used by donor staff to see list of eligible donors who made a donation within a specified date range and venue.	Operational
Donors for Post-Donation Counselling Report	Report listing all donors whose donations tested positive for a TTI within a specified time period and/or a specified venue who have been flagged for counselling. Also used to list those donors who have been counselled and/or referred for additional testing, care and treatment. Must list Donor Number, first and last name, gender, date of birth, blood group, DIN that tested positive and the date of donation and venue where it was	Used by the donor counselling staff to contact all donors requiring post-donation counselling due to a positive TTI test outcome. Once a counselling outcome has been recorded for that donor the donor will no longer appear on the list.	Operational

	collected. Must indicate whether the donor has been counselled or referred.		
Donor Clinic Lookup	Report listing all existing donors who belong to the selected venue and their eligibility status as at the date selected. Must show Donor Number, First name, Last name, gender, Date of birth, Blood Type and eligibility (Eligible/Not Eligible)	Used by donor clinic staff and used at remote mobile clinic sites to check if a donor is registered in the system and if so, to check their eligibility as at the clinic date. The reason as to why a donor is Not Eligible is not shown to protect the donor's confidential information.	Operational
Donation Batch Report	Operational Report that lists all donations for the selected donation batch. Lists the Donor Number, DIN, pack type and donation type. Available to view on screen and also in printed format so that it can be signed by the dispatcher and the receiver.	Used for control and verification. Used by donor clinic staff at the end of a clinic to verify that the donation packs and samples collected match what has been recorded in the system for that clinic and also used as a packing list that goes with the donations and samples in the refrigerated box that is transported from the mobile site to the centre where the component processing and testing is carried out. The same report is then used by the receiving staff to verify that what they receive matches what was sent.	Operational
Donations Collected by Type	Report listing all donations collected within a selected date range by venue where it was collected, categorised by donation type (Voluntary, Family Replacement, Autologous, Other) and by donor gender	For planning purposes to be able to see % of donors by type in order to convert family replacement to voluntary donors. Statistics for % of VNRD as a % of total donations is a requirement for AfSBT accreditation.	Management



Donations Collected By Type Report
Date Period: 05/01/2017 to 10/01/2017



Venue	Gender	Voluntary	Family	Autologous	Other	Total
Abuja	male	1	1	0	0	2
	All	1	1	0	0	2
	%	50.00%	50.00%	0.00%	0.00%	100.00%
Boksburg	female	1	0	0	0	1
	male	4	0	0	0	4
	All	5	0	0	0	5
	%	100.00%	0.00%	0.00%	0.00%	100.00%
JHS	male	1	0	0	0	1
	All	1	0	0	0	1
	%	100.00%	0.00%	0.00%	0.00%	100.00%
Automation Donation Batch	male	23	0	0	0	23
	All	23	0	0	0	23
	%	100.00%	0.00%	0.00%	0.00%	100.00%

Venue	Gender	Voluntary	Family	Autologous	Other	Total
All venues	male	29	1	0	0	30
	female	1	0	0	0	1
	All	30	1	0	0	31
	%	96.77%	3.23%	0.00%	0.00%	100.00%

Donors Deferred Summary Report

Report listing total donors deferred within a selected date range, by venue, categorised by deferral reasons and by donor gender.

Used by donor clinic planning and management staff to analyse reasons why donors are being deferred, both prior to donation and post donation due to testing positive for a TTI.

Management

Donors Deferred Summary Report
Date Period: 01/01/2017 to 08/11/2017

Venue	Gender	Test Outcomes	High risk behaviour	Low weight	Low haemoglobin	Other reasons	Other medical conditions	Travel history	Medical Reasons - Permanent	Total
Alexandra	female	0	0	0	0	0	0	0	0	0
	male	1	0	0	0	0	0	0	0	1
	All	1	0	0	0	0	0	0	0	1
Boksburg	female	0	0	0	0	0	0	0	0	0
	male	1	0	0	0	0	0	0	0	1
	All	1	0	0	0	0	0	0	0	1
Automation Donation Batch	female	0	0	0	0	0	0	0	0	0
	male	1	0	0	0	0	0	0	0	1
	All	1	0	0	0	0	0	0	0	1

Venue	Gender	Test Outcomes	High risk behaviour	Low weight	Low haemoglobin	Other reasons	Other medical conditions	Travel history	Medical Reasons - Permanent	Total
All Venues	female	9	1	0	2	0	0	0	0	12
	male	21	1	2	0	0	0	0	0	24
	All	30	2	2	2	0	0	0	0	36

Donors Adverse Events Summary Report	Report listing total donor adverse events by type over the selected time period according to venue where the adverse event occurred.	Used by the Medical Director and management staff to view summary information about adverse events so that they can analyse the data to try and see the cause with a view to minimising these adverse events.	Management
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Venue	Accident	Allergy	Arterial puncture	Convulsions	Haematoma	Hyperventilation	Nausea	Nerve injury	Thrombophlebitis	Vasovagal	Other	Total Adverse Events
Abuja	0	0	1	0	0	0	1	0	0	0	0	2
JHS	0	0	0	0	0	0	1	0	0	1	0	2
LBTS	2	0	0	0	0	0	1	0	0	0	0	3
Sweet Valley Library	0	0	0	0	0	0	1	0	0	0	0	1
Total All Venues	2	0	1	0	0	0	4	0	0	1	0	8

Laboratory TTI and Serology Testing

Test Batch Summary	Report summary of test outcomes of all donations within a test batch showing ABO Rh blood group , TTIs, Titre and Antibody screening (where used) as well as test that are NOT-DONE: DIN, date bled, venue, pack type, TTI status, Blood Grouping status, previous ABO Rh blood group for that donor and test outcomes for all TTI screening, repeat and confirmatory tests and all ABO Rh, repeat, titre and antibody screening tests.	Used by laboratory staff and management staff to view the progress of testing and any pending tests still outstanding. Can also view all DINs that have tested positive for a TTI or have an ambiguous or No Type Determined ABO Rh blood group. May also be used by the component staff for labelling if only the Donor Management module is implemented.	Operational
TTI Prevalence Report	Aggregate management report summarising all donations collected by venue within a specified period, showing	Used by blood service management for planning purposes based on an analysis of donation testing.	Management

	TTI prevalence for HIV,HBV,HCV and Syphilis, categorised by donor gender.		
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TTI Prevalence Report
Date Period: 01/01/2017 to 02/01/2017



Venue	Gender	HIV +	HBV +	HCV +	Syphilis +	Total +	Total	TTI %	HIV %	HBV %	HCV %	Syphilis %
Abuja	male	0	0	0	0	0	1	0%	0%	0%	0%	0%
	All	0	0	0	0	0	1	0.00%	0.00%	0.00%	0.00%	0.00%
Mbabane	male	0	0	0	0	0	1	0%	0%	0%	0%	0%
	All	0	0	0	0	0	1	0.00%	0.00%	0.00%	0.00%	0.00%

Venue	Gender	HIV +	HBV +	HCV +	Syphilis +	Total +	Total	TTI %	HIV %	HBV %	HCV %	Syphilis %
All venues	male	0	0	0	0	0	2	0%	0%	0%	0%	0%
	All	0	0	0	0	0	2	0.00%	0.00%	0.00%	0.00%	0.00%

ABO Rh Blood Grouping Report	Aggregate management report listing the count of all donations collected per venue within a specified period showing test outcomes by ABO Rh blood grouping and categorised by donor gender. This report also includes No Type Determined where an ABO Rh discrepancy was not able to be resolved.	Used by management staff and clinic planning staff to plan clinics and donor recruitment drives according to the venues and donor categories where the blood types that are most in demand are most likely to be found.	Management
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Venue	Gender	A+	A-	B+	B-	AB+	AB-	O+	O-	NTD	Total
Mbabane	female	0	0	0	0	0	0	0	0	0	0
	male	1	0	0	0	0	0	0	0	0	1
	All	1	0	0	0	0	0	0	0	0	1
Abuja	female	0	0	0	0	0	0	0	0	0	0
	male	1	0	0	0	0	0	0	0	0	1
	All	1	0	0	0	0	0	0	0	0	1

Venue	Gender	A+	A-	B+	B-	AB+	AB-	O+	O-	NTD	Total
All venues	female	0	0	0	0	0	0	0	0	0	0
	male	2	0	0	0	0	0	0	0	0	2
	All	2	0	0	0	0	0	0	0	0	2

Component Processing

Receive Components Delivery List	Report listing all donation batches received by the component laboratory. Shows collection date, processing site, number of components received, delivery date, donation batch status (open/closed) and number of blood transport boxes.	Used by laboratory staff and management staff to see a summary of units collected and delivered to processing site.	Operational
Delivery Note	Report listing all DINs and pack type received at the processing site. Shows date and time of delivery, venue of collection, site delivered to, number and temperature of blood transport boxes	Used by laboratory staff and management staff to see a the detail of units collected and delivered to processing site by donation batch. <i>(also known as a Blood Transportation Form / Shipping List)</i>	Operational
Components Produced	Whole blood and blood components produced by component type and ABO Rh blood group according to processing site.	Used by inventory and management staff to analyse production of components vs whole blood units according to blood groups.	Management

Components Produced Summary Report

Date Period: 01/01/2017 to 08/11/2017

Number of processing sites: 1

Site	Component Type	A+	A-	B+	B-	AB+	AB-	O+	O-	NTD	Total
Cuba	Whole Blood - CPDA	0	0	0	0	0	0	0	0	0	0
	Whole Blood Poor Platelets - CPDA	0	0	0	0	0	0	0	0	0	0
	Packed Red Cells - CPDA	1	0	0	0	0	0	1	0	0	2
	Packed Red Cells - SAGM	0	0	0	0	0	0	0	0	0	0
	Fresh Frozen Plasma - Whole Blood	1	0	0	0	0	0	1	0	0	2
	Frozen Plasma - Whole Blood	0	0	0	0	0	0	0	0	0	0
	Platelets Concentrate - Whole Blood	0	0	0	0	0	0	0	0	0	0
	Platelets Concentrate - Whole Blood - 24H	0	0	0	0	0	0	0	0	0	0
	Packed Red Cells - Paediatric - CPDA	0	0	0	0	0	0	0	0	0	0
	Fresh Frozen Plasma - Apheresis	0	0	0	0	0	0	0	0	0	0
	Platelets Concentrate - Apheresis	0	0	0	0	0	0	0	0	0	0
	Cryoprecipitate	0	0	0	0	0	0	0	0	0	0
	Total	2	0	0	0	0	0	2	0	0	4

Discard report

Total discards by discard reason over a time period, by processing site

Used by inventory, laboratory and management staff to analyse reasons for discards to verify units tested as TTI positive against units discarded for TTI positive outcomes, as well as identify possible problem areas within the workflow.

Management

Discards Summary Report
Date Period: 01/01/2017 to 08/11/2017
Number of processing sites: 7

Site	Component Type	Incomplete Donation	Processing Problems	Passed Expiry Dates	Reactive For TTIs	Storage Problems	Transport Problems	Donor was deferred at time of donation	Total
Abuja	Platelets Concentrate - Whole Blood	0	1	0	0	0	0	1	2
	Packed Red Cells - SAGM	0	1	0	0	0	0	0	1
	Packed Red Cells - CPDA	0	0	1	1	0	0	0	2
	Fresh Frozen Plasma - Whole Blood	0	1	0	1	1	0	0	3
	Total	0	3	1	2	1	0	1	8
Accra Central	Whole Blood Triple Pack - CPDA	0	0	0	0	0	1	0	1
	Total	0	0	0	0	0	1	0	1
Automation Donation Batch	Whole Blood Single Pack - CPDA	0	0	0	0	1	0	0	1
	Total	0	0	0	0	1	0	0	1
Cuba	Fresh Frozen Plasma - Whole Blood	1	0	0	0	0	0	0	1
	Total	1	0	0	0	0	0	0	1
Gqunqe	Packed Red Cells - CPDA	0	1	0	0	0	0	0	1
	Fresh Frozen Plasma - Whole Blood	0	1	0	0	0	0	0	1
	Total	0	2	0	0	0	0	0	2
LBTS	Whole Blood - CPDA	0	0	0	0	1	0	0	1
	Packed Red Cells - CPDA	1	0	0	0	0	0	0	1
	Total	1	0	0	0	1	0	0	2
Vully Vally	Platelets Concentrate - Whole Blood	0	0	1	0	0	0	0	1
	Fresh Frozen Plasma - Whole Blood	0	0	0	1	0	0	0	1
	Total	0	0	1	1	0	0	0	2

Inventory

Stock Level Summary: In Stock	Summary of all components in stock for a selected or all distribution sites grouped by component type and blood group.	Used by laboratory staff, donor clinic planning and management staff to see current stock levels and to assist with planning of clinics according to blood needs.	Operational
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<p>Stock Level Summary: Not Labelled</p>	<p>Summary of all components still undergoing processing prior to labelling for a selected or all distribution sites by component type and blood group. Components that have been flagged for discard are excluded from this report.</p>	<p>Used by laboratory staff, donor clinic planning and management staff to forecast stock levels based on components being processed.</p>	<p>Operational</p>
<p>Dispatch Note</p>	<p>Lists all components ordered and components allocated to a particular order and dispatched to the usage site. Also shows the gap between order and fulfilment.</p>		<p>Operational</p>
<p>Blood Units Issued</p>	<p>Aggregate report summarising whole blood and blood components issued within the selected time period by usage site and categorised by component type. The report also shows the gap between components ordered and components supplied. These are categorised according to whether the order was a general standing order, or a specific patient request.</p>	<p>Used by inventory and management staff to determine how well the blood service is meeting the demand for components from usage sites and assist with forecasting and planning.</p>	<p>Management</p>

Distribution Site	Component Type	Ordered	Issued	Gap	% Issued vs Ordered	Patient Requests	Issued	Gap	% Issued vs Requests
Cuba	Fresh Frozen Plasma - Whole Blood	3	3	0	100.00	0	0	0	
	Total Blood Units	3	3	0	100.00	0	0	0	
Abuja	Packed Red Cells - CPDA	2	2	0	100.00	0	0	0	
	Total Blood Units	2	2	0	100.00	0	0	0	
Accra Central	Packed Red Cells - CPDA	1	1	0	100.00	0	0	0	
	Total Blood Units	1	1	0	100.00	0	0	0	
JHS	Fresh Frozen Plasma - Whole Blood	1	1	0	100.00	0	0	0	
	Total Blood Units	1	1	0	100.00	0	0	0	
Harare Central	Packed Red Cells - CPDA	1	1	0	100.00	0	0	0	
	Total Blood Units	1	1	0	100.00	0	0	0	

Distribution Site	Component Type	Ordered	Issued	Gap	% Issued vs Ordered	Patient Requests	Issued	Gap	% Issued vs Requests
All Sites	Fresh Frozen Plasma - Whole Blood	4	4	0	100.00	0	0	0	
	Total Blood Units	4	4	0	100.00	0	0	0	
	Packed Red Cells - CPDA	4	4	0	100.00	0	0	0	
	Total Blood Units	8	8	0	100.00	0	0	0	

Analysis / Monitoring and Evaluation

Data Export	Full data export of all data in BSIS in CSV format.	To be used by management staff and research staff to be used for import into Excel or other data analysis tools in order to perform further data analysis.	Export
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Transfusion Reports

Transfusion Summary Report	Aggregate report listing the number of units transfused, the number of units issued but not transfused, the number of units issued where the final state is unknown and the number of reported transfusion reactions according to type and total reported transfusion reactions	To be used by management staff in order to be able to analyse the data to support haemovigilance programmes.	Management
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Transfusions Summary Report
Date Period: 01/01/2017 to 08/11/2017
Usage Sites: 5

Usage Site	Total Transfused Uneventfully	Total Not Transfused	ABO incompatibility	Allo-antibody	Anaphylaxis	NI Haemolysis	Other	PTP	TA-GVH-D	TACO	TRALI	TT-HBV	TT-HCV	TT-HIV	TT-Malaria	TT-Other	TT-Parasitic	TTBI	Total Reactions	Total Unknown
Central Teaching Hospital	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABC Teaching Hospital	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Masvingo General Hospital	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0
Butterworth Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
Mount Ayliff Hospital	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All Sites	3	1	0	0	1	2	0	0	0	0	0	0	0	0	1	0	0	0	4	0