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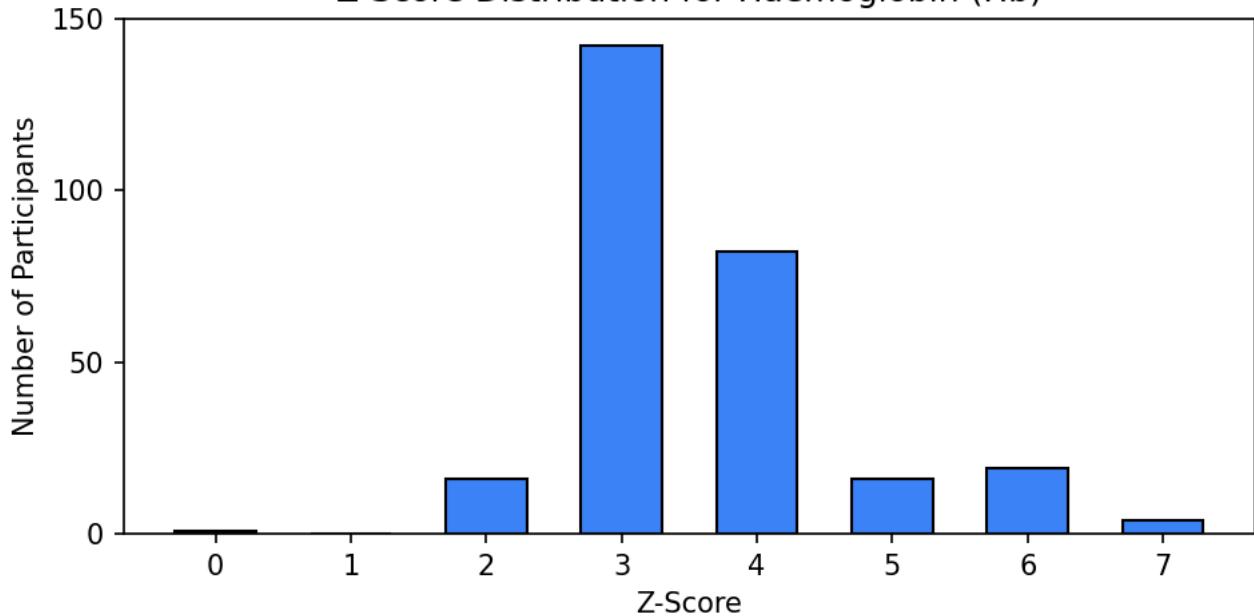|			
Participant Number:	Adil Diagnostics	Scheme:	Hematology (444)
Issue Date:	31 July 2025	Cycle:	02
Closing Date:	12 August 2025	Round:	444-0306
Print Date:	06 October 2025	Sample:	Hematology - Sample 6

Analyte Results

Analyte	Unit	Instrument	Count	Result	Robust Mean	Robust SD	CV%	Z-Score	Evaluation
Haemoglobin (Hb)	g/dL	Sysmex KX21 Hematology Analyzer	280	10.40	10.41	0.50	4.78	-0.02	**Acceptable**
Haematocrit (HCT)	%	Sysmex KX21 Hematology Analyzer	249	30.50	31.93	2.62	8.22	-0.54	**Acceptable**
Mean Platelet Volume (MPV)	fl	Sysmex KX21 Hematology Analyzer	223	12.60	12.31	1.40	11.37	0.21	**Acceptable**
Mean Cell Volume (MCV)	fl	Sysmex KX21 Hematology Analyzer	246	82.40	86.87	4.99	5.74	-0.90	**Acceptable**
Mean Cell Haemoglobin Concentration (MCHC)	g/dL	Sysmex KX21 Hematology Analyzer	246	34.10	32.59	2.22	6.82	0.68	**Acceptable**

Test	Units	Instrument							Evaluation
Platelets (PLT)	10^3/µL	Sysmex KX21 Hematology Analyzer	256	251	247.03	20.37	8.24	0.19	**Acceptable**
Mean Cell Haemoglobin (MCH)	pg	Sysmex KX21 Hematology Analyzer	246	28.10	28.42	1.16	4.07	-0.27	**Acceptable**
Red Blood Cell Distribution Width (RDW)	%	Sysmex KX21 Hematology Analyzer	227	11.90	14.87	2.29	15.37	-1.30	**Acceptable**
Plateletcrit (PCT)	%	Sysmex KX21 Hematology Analyzer	197	--	--	--	--	--	**Not Submitted**
Total White Blood Cell Count (WBC)	10^3/µL	Sysmex KX21 Hematology Analyzer	256	5	5.24	0.42	7.94	-0.58	**Acceptable**
Red Blood Cell Count (RBC)	10^6/uL	Sysmex KX21 Hematology Analyzer	256	3.70	3.66	0.21	5.69	0.20	**Acceptable**

Haemoglobin (Hb) - Details

Robust Mean	10.41	**Robust SD**	0.50
Accepted Results	248	**Rejected Results**	19
Test Result	10.40	**Robust Deviation**	-0.01
Z-Score	-0.02	**CV (%)**	4.78
Upper Acceptability	11.90	**Lower Acceptability**	8.92
Evaluation	Acceptable	**MU(Robust Mean)**	--
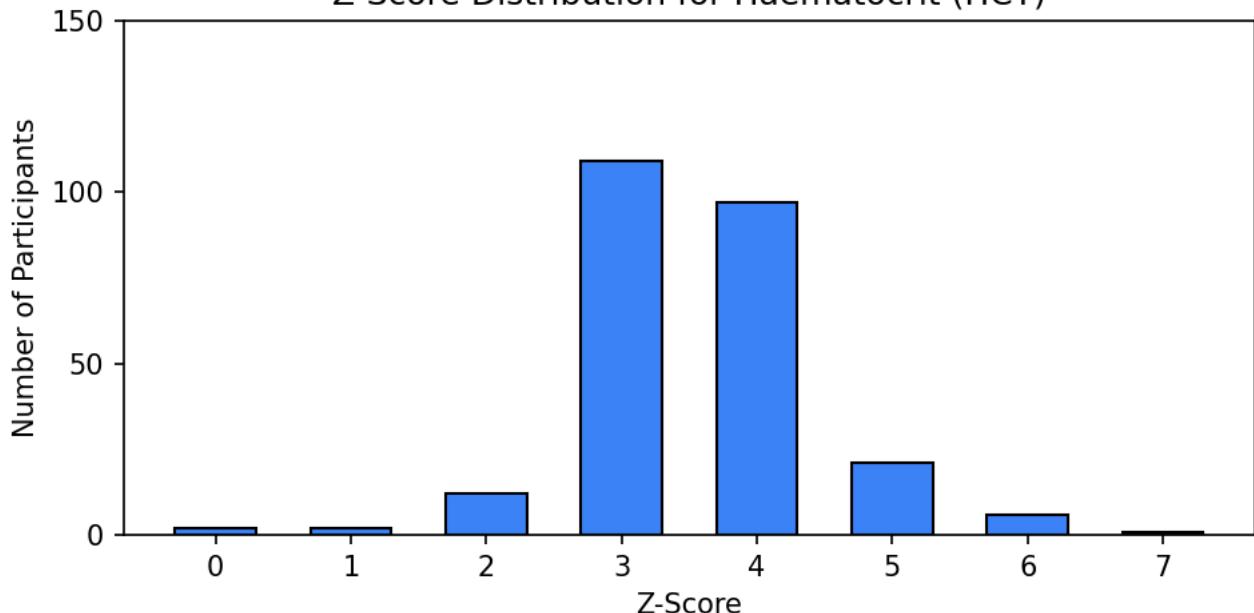
Z-Score Distribution for Haemoglobin (Hb)

Haematocrit (HCT) - Details
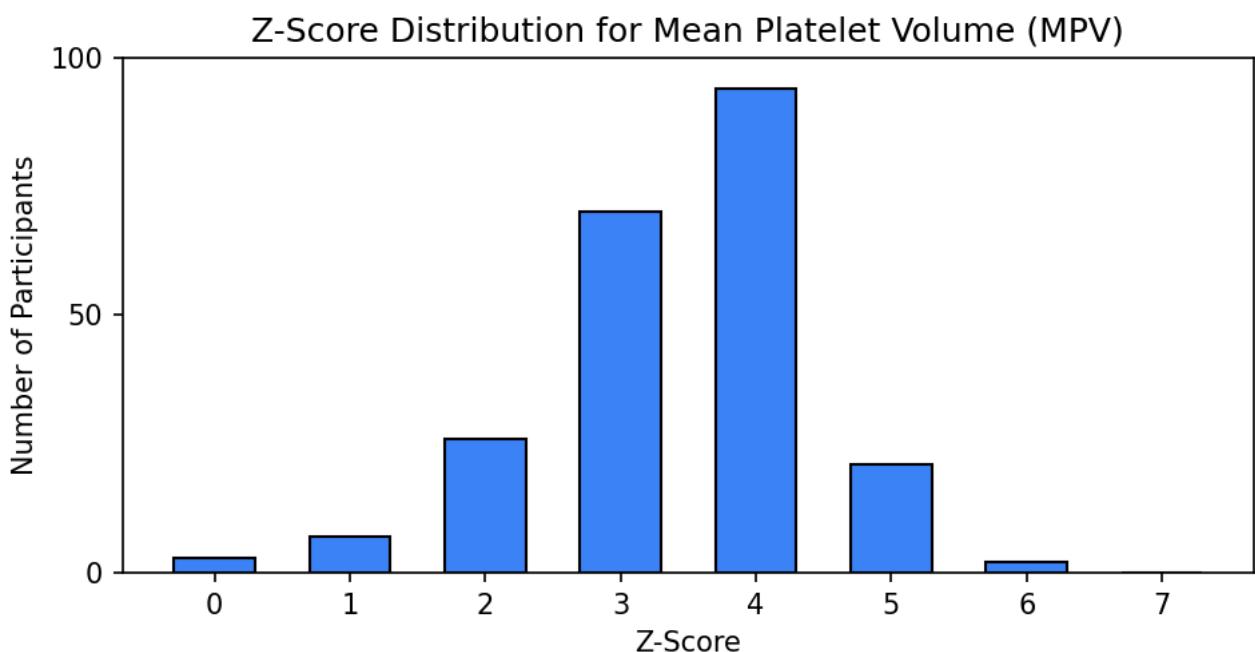
Robust Mean	31.93	**Robust SD**	2.62
Accepted Results	221	**Rejected Results**	10
Test Result	30.50	**Robust Deviation**	-1.43
Z-Score	-0.54	**CV (%)**	8.22
Upper Acceptability	39.80	**Lower Acceptability**	24.06
Evaluation	Acceptable	**MU(Robust Mean)**	--

Z-Score Distribution for Haematocrit (HCT)
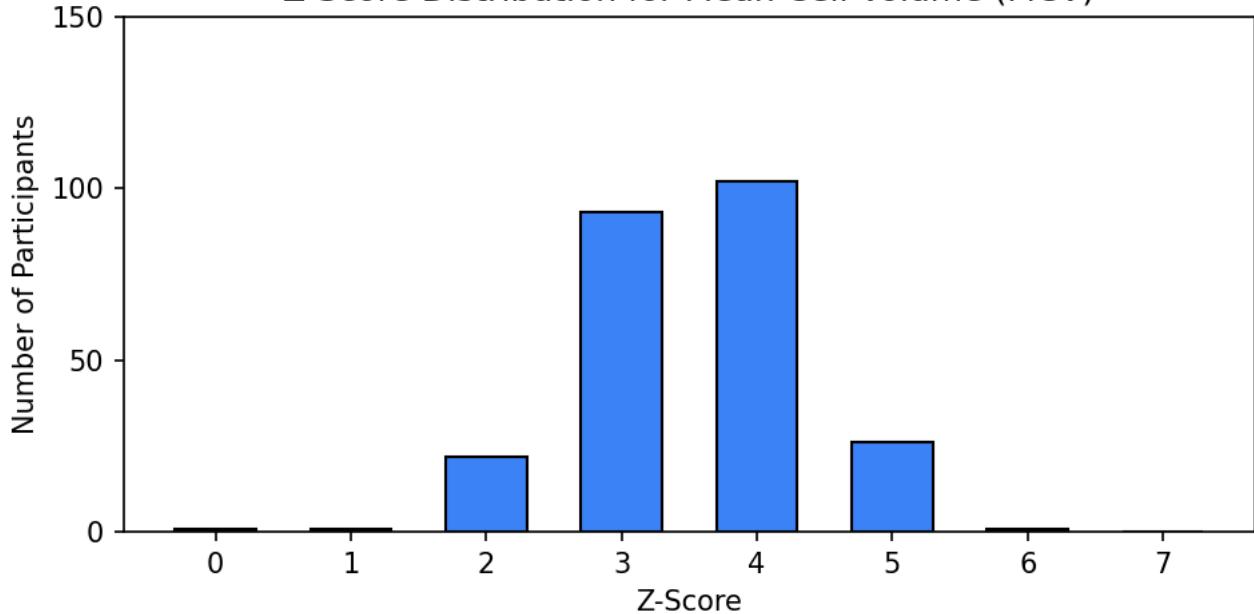
Mean Platelet Volume (MPV) - Details

Robust Mean	12.31	**Robust SD**	1.40
Accepted Results	208	**Rejected Results**	4
Test Result	12.60	**Robust Deviation**	0.30
Z-Score	0.21	**CV (%)**	11.37
Upper Acceptability	16.50	**Lower Acceptability**	8.11
Evaluation	Acceptable	**MU(Robust Mean)**	--

Z-Score Distribution for Mean Platelet Volume (MPV)

Mean Cell Volume (MCV) - Details
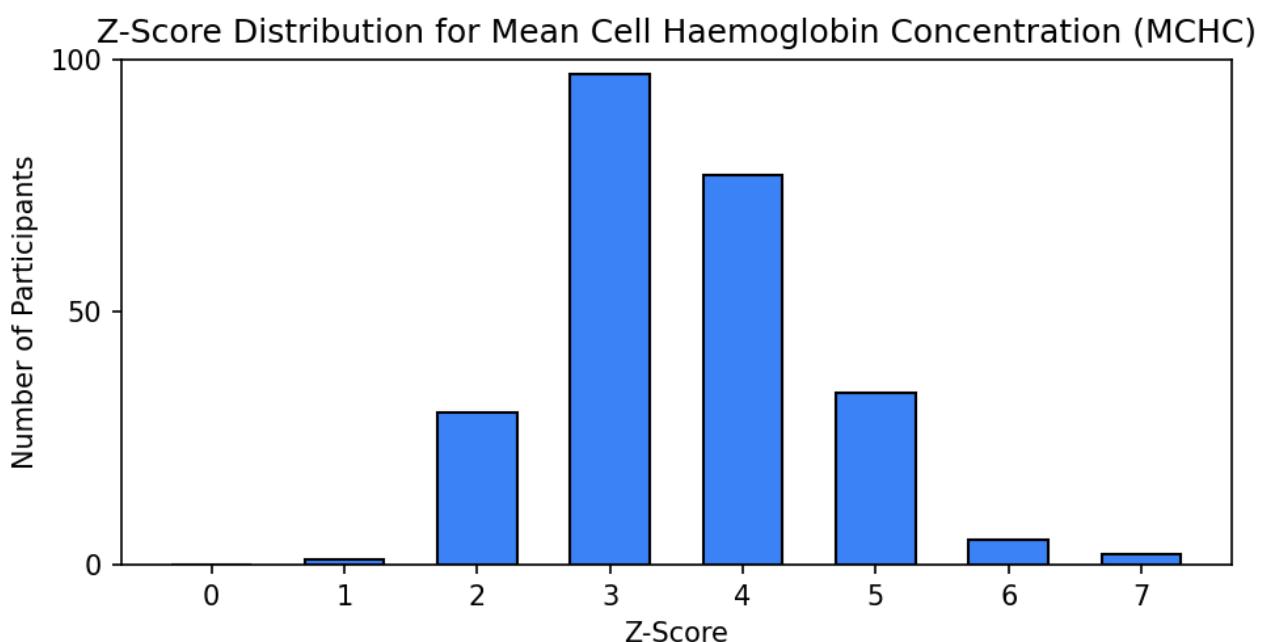
Robust Mean	86.87	**Robust SD**	4.99
Accepted Results	240	**Rejected Results**	2
Test Result	82.40	**Robust Deviation**	-4.47
Z-Score	-0.90	**CV (%)**	5.74
Upper Acceptability	101.83	**Lower Acceptability**	71.90
Evaluation	Acceptable	**MU(Robust Mean)**	--

Mean Cell Haemoglobin Concentration (MCHC) - Details
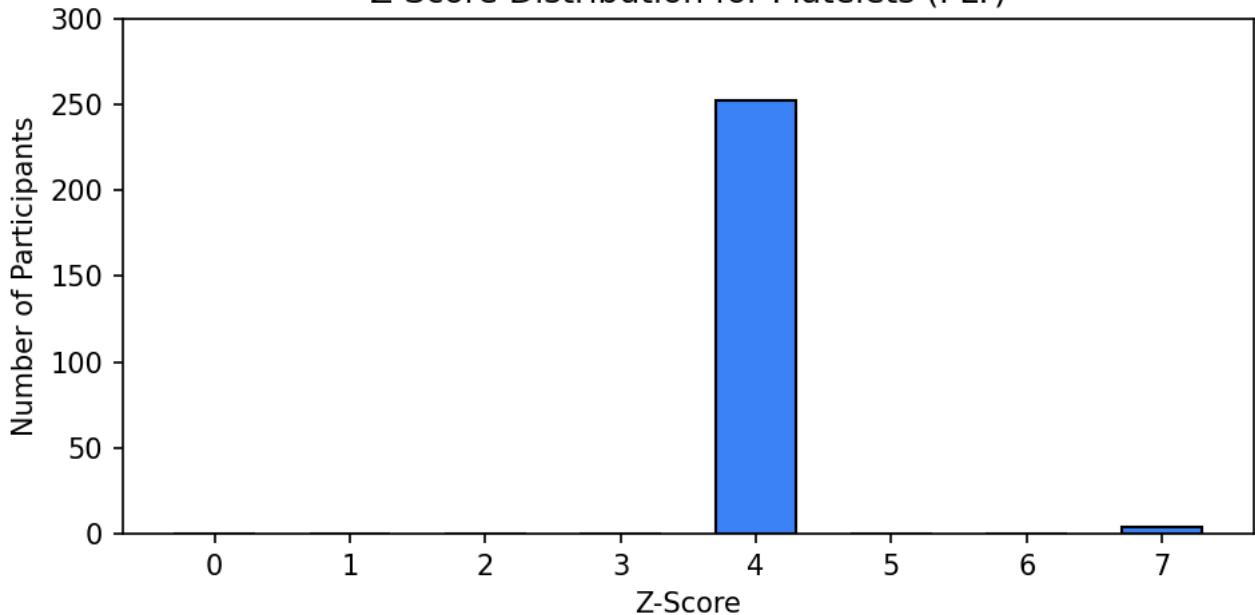
Robust Mean	32.59	Robust SD	2.22
Accepted Results	237	Rejected Results	3
Test Result	34.10	Robust Deviation	1.51
Z-Score	0.68	CV (%)	6.82
Upper Acceptability	39.25	Lower Acceptability	25.92
Evaluation	Acceptable	MU(Robust Mean)	--

Platelets (PLT) - Details

Robust Mean	247.03	Robust SD	20.37
Accepted Results	228	Rejected Results	11
Test Result	251	Robust Deviation	3.97
Z-Score	0.19	CV (%)	8.24
Upper Acceptability	308.13	Lower Acceptability	185.93
Evaluation	Acceptable	MU(Robust Mean)	--
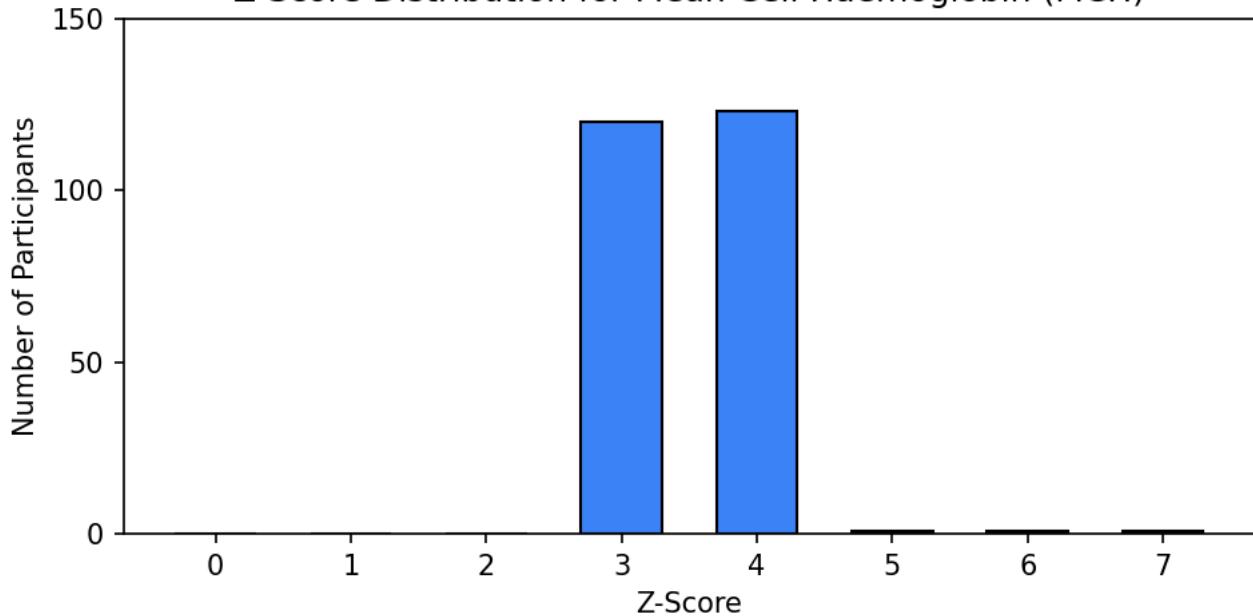
Mean Cell Haemoglobin (MCH) - Details

Robust Mean	28.42	Robust SD	1.16
Accepted Results	224	Rejected Results	4
Test Result	28.10	Robust Deviation	-0.32
Z-Score	-0.27	CV (%)	4.07
Upper Acceptability	31.88	Lower Acceptability	24.95
Evaluation	Acceptable	MU(Robust Mean)	--
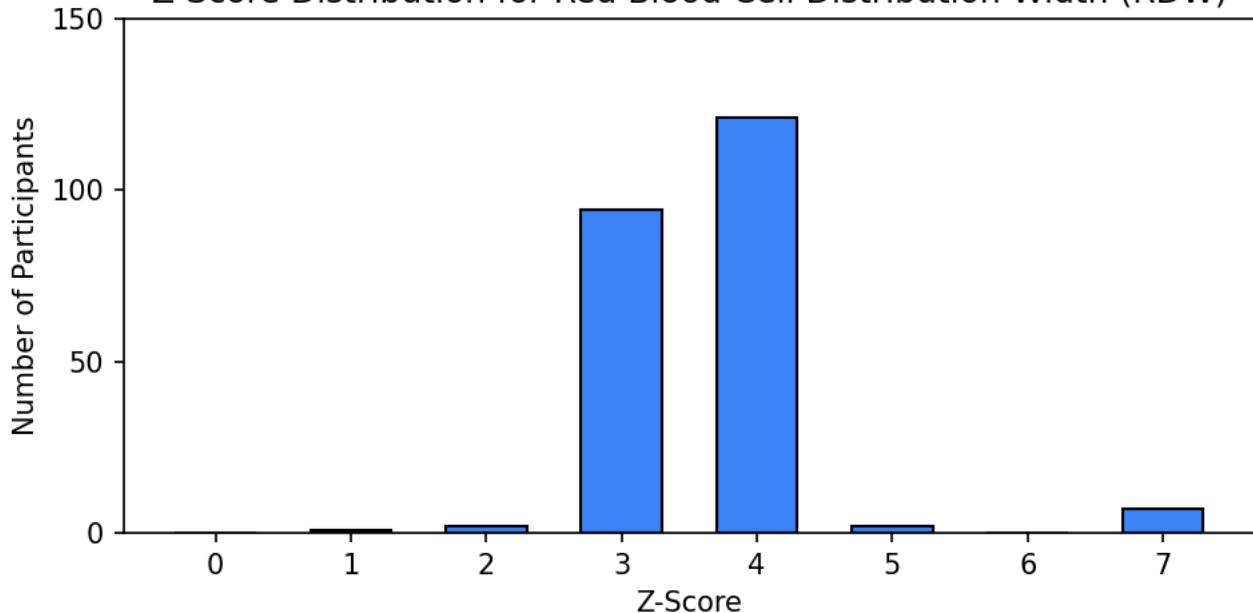
Z-Score Distribution for Mean Cell Haemoglobin (MCH)
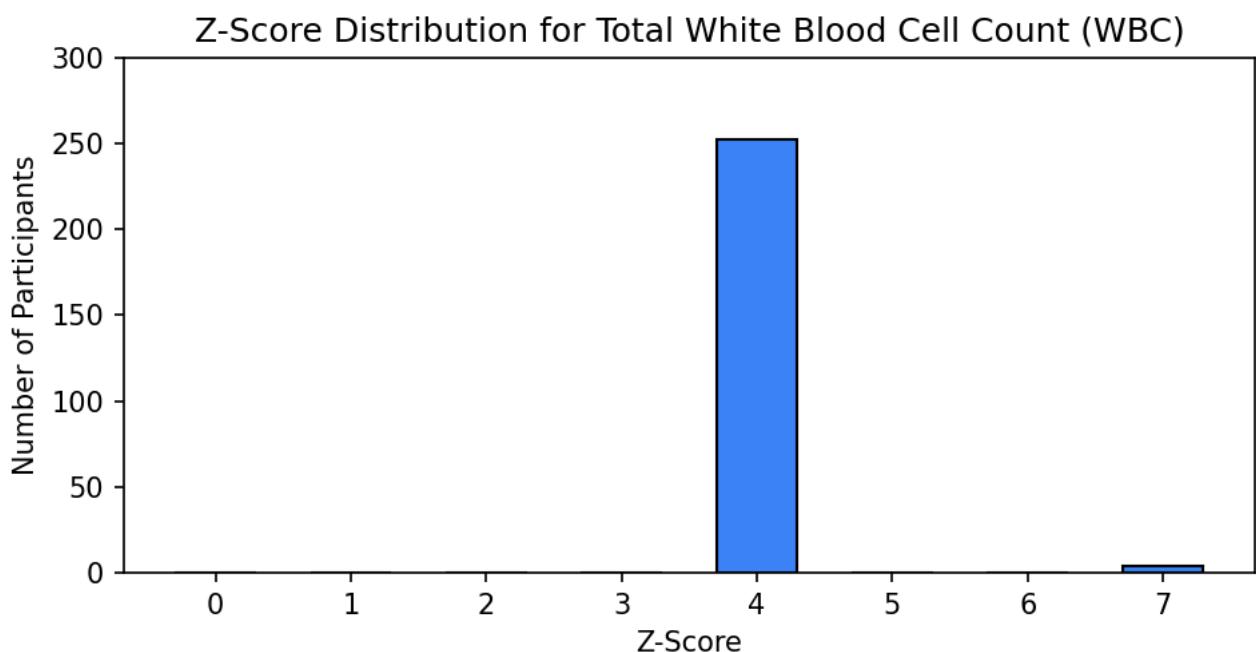
Red Blood Cell Distribution Width (RDW) - Details

Robust Mean	14.87	Robust SD	2.29
Accepted Results	209	Rejected Results	10
Test Result	11.90	Robust Deviation	-2.97
Z-Score	-1.30	CV (%)	15.37
Upper Acceptability	21.73	Lower Acceptability	8.01
Evaluation	Acceptable	MU(Robust Mean)	--

Z-Score Distribution for Red Blood Cell Distribution Width (RDW)

Total White Blood Cell Count (WBC) - Details

Robust Mean	5.24	**Robust SD**	0.42
Accepted Results	227	**Rejected Results**	11
Test Result	5	**Robust Deviation**	-0.24
Z-Score	-0.58	**CV (%)**	7.94
Upper Acceptability	6.49	**Lower Acceptability**	3.99
Evaluation	Acceptable	**MU(Robust Mean)**	--

Z-Score Distribution for Total White Blood Cell Count (WBC)

Red Blood Cell Count (RBC) - Details

Robust Mean	3.66	**Robust SD**	0.21
Accepted Results	220	**Rejected Results**	19
Test Result	3.70	**Robust Deviation**	0.04
Z-Score	0.20	**CV (%)**	5.69
Upper Acceptability	4.28	**Lower Acceptability**	3.03
Evaluation	Acceptable	**MU(Robust Mean)**	--

Z-Score Distribution for Red Blood Cell Count (RBC)