ECAT FOUNDATION

External quality Control for Assays and Tests

With a focus on Thrombosis and Haemostasis

REPORT

SURVEY 2025-M4
Main
Labcode 1492

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ECAT Foundation

Date of Issue : 17-januari-2026

Survey : 2025-M4

Report : Main

Note:
In the Survey Manual 2025 detailed information is given regarding the ECAT external quality assessment programme , including the statistical evaluation and explanation of the report.
This Survey Manual 2025 should be considered as an integral part of this survey report.
Please notice the information regarding the homogeneity of samples used and the between-laboratory variation in the paragraph on the statistical evaluation of the Survey Manual.

General Information

Exclusion of results
Results < [value] or > [value] are excluded from the statistical analysis. When other results (e.g. deviating results) are excluded from the statistical analysis, these results are placed between brackets.

Multiple instruments
Participants have the option to submit three results per parameter for up to three different instruments and /or different methods. However, some participants submitted identical results three times, implying these were separate results. This is not the case and may affect the statistical analysis. **The results submitted for the second and third system have been excluded from the statistical analysis. Please submit results no more than once unless they are a different measurement.**

Complaints
Any complaints regarding this survey report should be reported to the ECAT before **March 10th, 2026.** Complaints received after this date will not be taken into consideration.

This report is authorized by: Dr. M.J. van Essen-Hollestelle (Programme Expert)

Note: The current Survey Manual can be downloaded from the 'Participant Area' of the ECAT website. Login and select the option 'View Documents'.

ECAT Foundation

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OVERVIEW Z-SCORES

UV:Satisfactory (-2 ≤ Z-score ≤ 2)

UV: Need attention (-3 < Z-score < -2 or 2 < Z-score < 3)

UV:Unsatisfactory (Z-score ≤ -3 or ≥ 3)
BV: Unacceptable

Module	Parameter	Sample	Test System	Total	Assay	Method	Bivarate Analysis
ADAMTS13 - I	ADAMTS13 Activty	25.220	1	-0.76	-0.69	-0.84	
		25.221	1	-0.80	-0.53	-0.74	

ADAMTS13 - I

ADAMTS13 Activity

Sample No 25.220
Sample Details Normal Coagulation Control Plasma
Prior Use None
Unit % or IU/dL
Expiry Date 30-september-2026
Homogeneity 0.8 % **Homogeneity Parameter** APTT
For any method used for the measurement of this parameter with a **CV ≤ 2.7%** the criterion for homogeneity could not be met and the Z-scores should be interpreted with caution. See for further details the paragraph on the statistical evaluation in the Survey Manual.
Number of Participants 205
Number of Responders 190 **Response Rate** 93 %
Comments The following participant reported a deviating result which was excluded from the statistical analysis:
9065: 18%

The result of participant **(labcode 610)** was excluded because they reported the result with an incorrect unit.

Participant **(labcode 513)** reported a deviating result which was excluded from the statistical analysis. This result might be caused by an accidental mix-up of the sample 25.220 and 25.221.

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	213	1	0	1	3

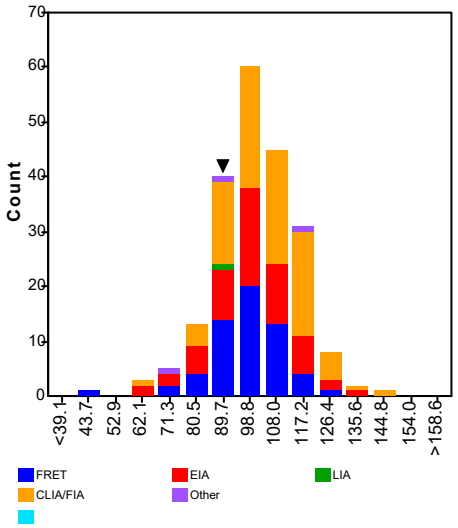
Your Classification Normal

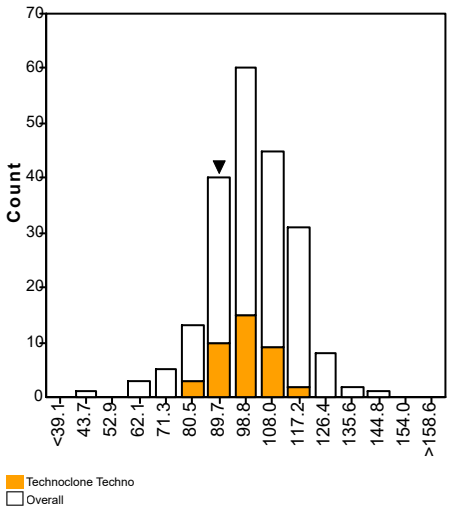
Own Reagent

	n	assigned value	Uncert.	CV (%)	Range	your result	z-score	your result	z-score	your result	z-score
Total Group	209	101	1.14	13.0	45 - 145	91.1	-0.76				
FRET	59	98	1.70	10.6	45 - 131	91.1	-0.69				
Technoclone Technofluor activity	39	98	1.63	8.3	79 - 115	91.1	-0.84				

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Total Group	209	101	1.14	13.0	45 - 145
FRET	59	98	1.70	10.6	45 - 131
Homemade	13	99	4.69	13.6	75 - 117
Immucor activity	2	126			120 - 131
Other	4	83			45 - 108
Sekisui Actifluor activity	1	91			-
Enzyme Immuno Assay	57	99	2.47	15.1	64 - 134
Technoclone Technozym activity	57	99	2.47	15.1	64 - 134
Latex Immuno Assay	1	87			-
Homemade	1	87			-
CLIA/FIA	89	105	1.78	12.8	66 - 145
Werfen Acustar activity	89	105	1.78	12.8	66 - 145
Other	3	92			75 - 113
Homemade	2	94			75 - 113
Other	1	92			-





ADAMTS13 - I

ADAMTS13 Activity

Sample No 25.221
Sample Details Plasma with an ADAMTS13 activity level between 15 and 25%
Prior Use None
Unit % or IU/dL
Expiry Date 31-juli-2027
Homogeneity 4.2 % **Homogeneity Parameter** ADAMTS13
For any method used for the measurement of this parameter with a **CV ≤ 14.0%** the criterion for homogeneity could not be met and the Z-scores should be interpreted with caution. See for further details the paragraph on the statistical evaluation in the Survey Manual.
Number of Participants 205
Number of Responders 190 **Response Rate** 93 %
Comments The following participants reported deviating results which were excluded from the statistical analysis:
724: 0 %
9005: 2 %
9074: 1%

The result of participant **(labcode 610)** was excluded because they reported the result with an incorrect unit.

Participant **(labcode 513)** reported a deviating result which was excluded from the statistical analysis. This result might be caused by an accidental mix-up of the sample 25.220 and 25.221.

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	8	1	11	194	4

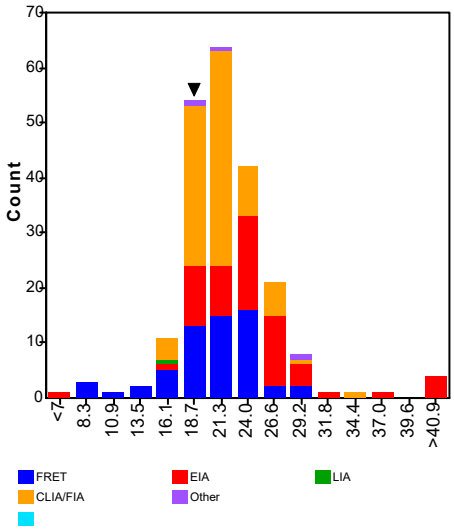
Your Classification Abnormal

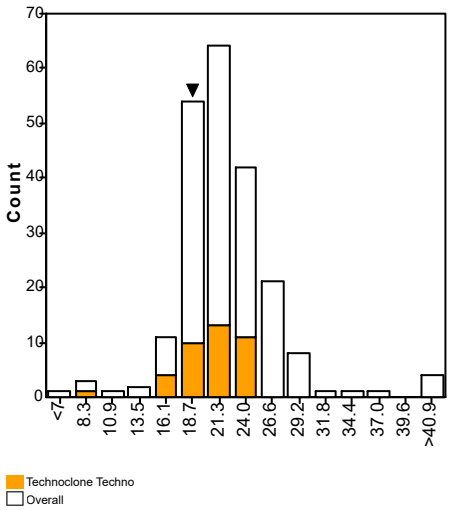
Own Reagent

	n	assigned value	Uncert.	CV (%)	Range	your result	z-score	your result	z-score	your result	z-score
Total Group	214	22	0.29	15.6	6 - 55	19	-0.80				
FRET	59	21	0.56	16.5	7 - 30	19	-0.53				
Technoclone Technofluor activity	39	21	0.52	12.5	9 - 25	19	-0.74				

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Total Group	214	22	0.29	15.6	6 - 55
FRET	59	21	0.56	16.5	7 - 30
Homemade	13	20	2.19	31.5	7 - 30
Immucor activity	3	25			23 - 30
Other	4	15			9 - 24
Enzyme Immuno Assay	62	24	0.67	17.7	6 - 55
Technoclone Technozym activity	62	24	0.67	17.7	6 - 55
Latex Immuno Assay	1	16			-
Homemade	1	16			-
CLIA/FIA	89	21	0.28	10.0	16 - 34
Werfen Acustar activity	89	21	0.28	10.0	16 - 34
Other	3	23			18 - 28
Homemade	2	20			18 - 23
Other	1	28			-



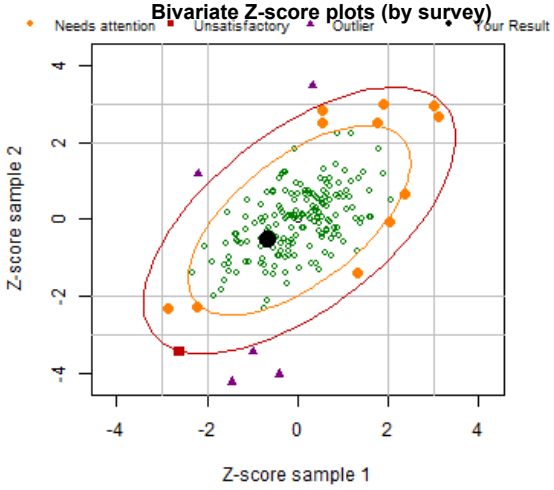


ADAMTS13 - I

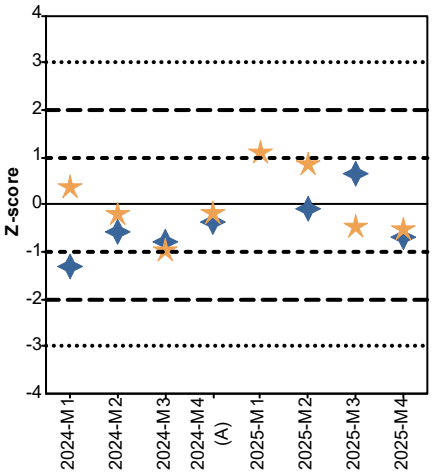
ADAMTS13 Activity

Instrument ID	

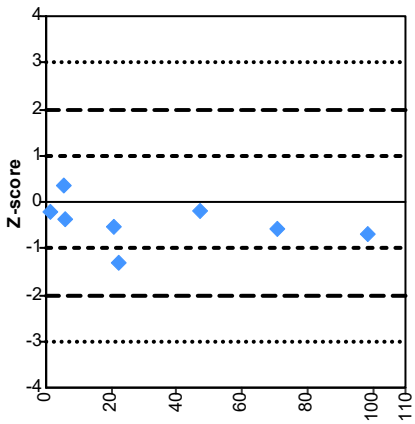
Bivariate Z-score plots (by survey)



Z-score history (by survey)

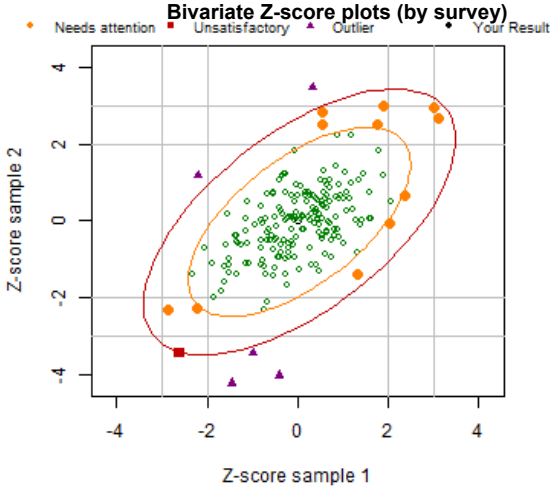


Z-score history (by consensus value)

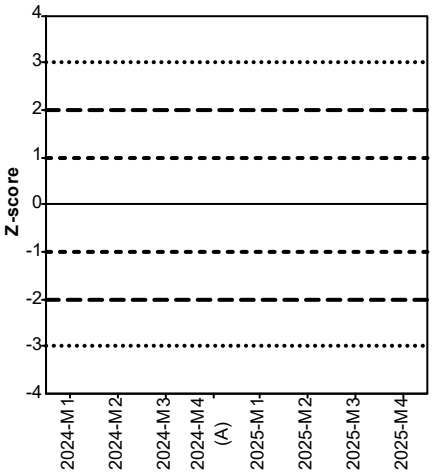


Instrument ID	

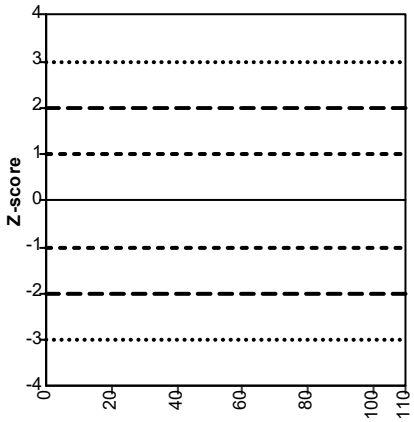
Bivariate Z-score plots (by survey)



Z-score history (by survey)

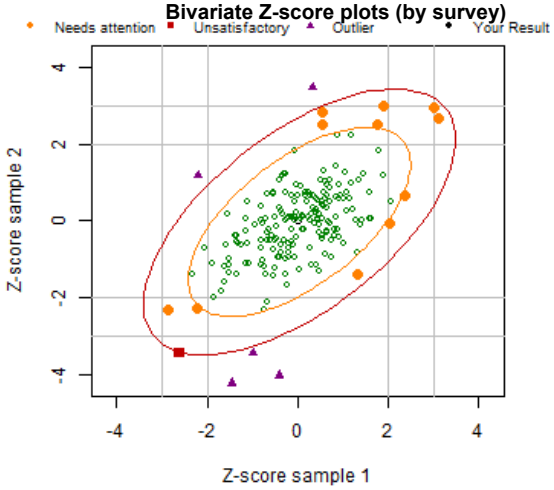


Z-score history (by consensus value)

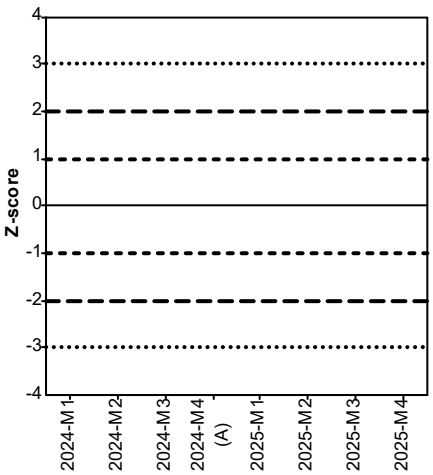


Instrument ID	

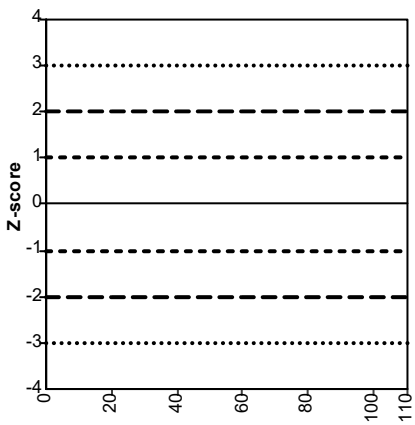
Bivariate Z-score plots (by survey)



Z-score history (by survey)



Z-score history (by consensus value)



ADAMTS13 - I

ADAMTS13 antigen

Sample No	25.220
Sample Details	Normal Coagulation Control Plasma
Prior Use	None
Unit	IU/mL
Expiry Date	30-september-2026
Homogeneity	0.8 %
Homogeneity Parameter	APTT

For any method used for the measurement of this parameter with a **CV ≤ 2.7%** the criterion for homogeneity could not be met and the Z-scores should be interpreted with caution. See for further details the paragraph on the statistical evaluation in the Survey Manual.

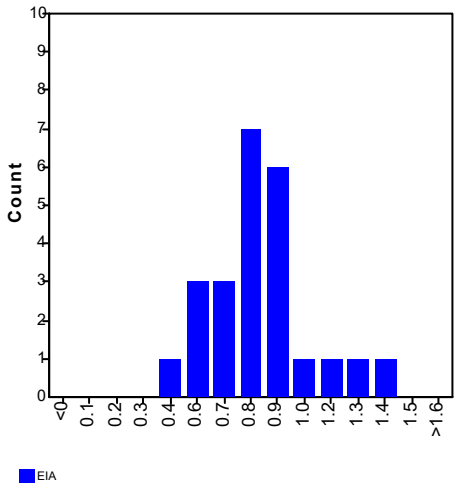
Number of Participants	205		
Number of Responders	23	**Response Rate**	11 %

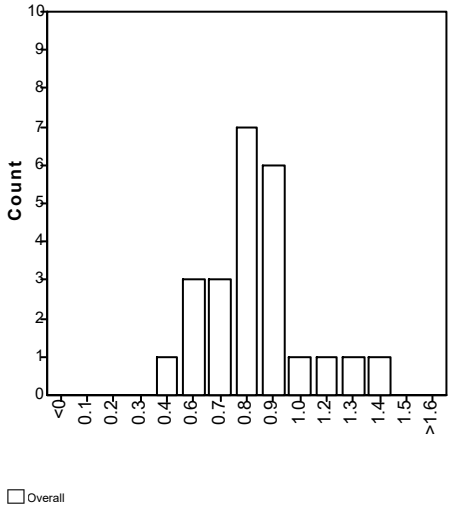
Comments The result of participant **(labcode 950)** was excluded because they reported the result with an incorrect unit.

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	23	0	1	0	1

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Enzyme Immuno Assay	24	0.83	0.05	24.7	0.41 - 1.39
Homemade	1	1.32			-
Other	1	0.75			-
Sekisui Imubind antigen	1	1.17			-
Technozym Technozym activity/antigen	2	0.94			0.83 - 1.06
Technozym Technozym antigen	19	0.78	0.05	21.5	0.41 - 1.39





ADAMTS13 - I

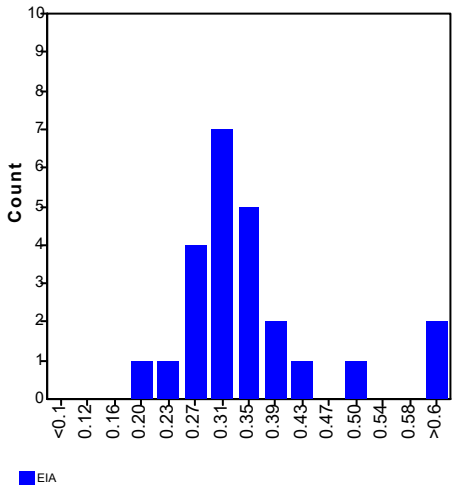
ADAMTS13 antigen

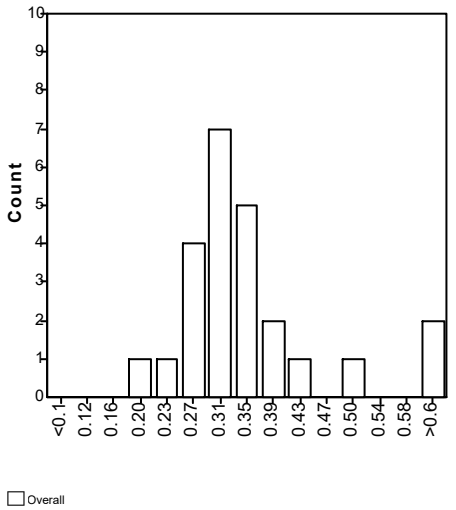
Sample No 25.221
Sample Details Plasma with an ADAMTS13 activity level between 15 and 25%
Prior Use None
Unit IU/mL
Expiry Date 31-juli-2027
Homogeneity 4.2 % **Homogeneity Parameter** ADAMTS13
For any method used for the measurement of this parameter with a **CV ≤ 14.0%** the criterion for homogeneity could not be met and the Z-scores should be interpreted with caution. See for further details the paragraph on the statistical evaluation in the Survey Manual.
Number of Participants 205
Number of Responders 23 **Response Rate** 11 %
Comments The result of participant **(labcode 950)** was excluded because they reported the result with an incorrect unit.

Classification Overview	Normal	BorderLine normal	Borderline abnormal	Abnormal	No classification
Total	3	3	2	16	1

Other Reagents

	n	assigned value	Uncert.	CV (%)	Range
Enzyme Immuno Assay	24	0.34	0.02	19.4	0.19 - 0.75
Homemade	1	0.39			-
Other	1	0.19			-
Sekisui Imubind antigen	1	0.28			-
Technozym Technozym activity/antigen	2	0.35			0.22 - 0.49
Technozym Technozym antigen	19	0.34	0.01	12.9	0.28 - 0.75



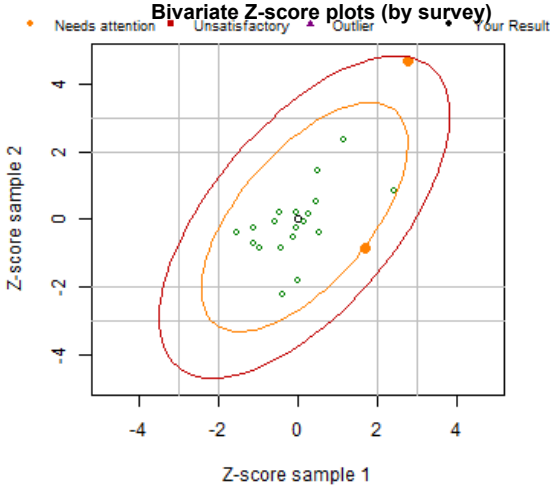


ADAMTS13 - I

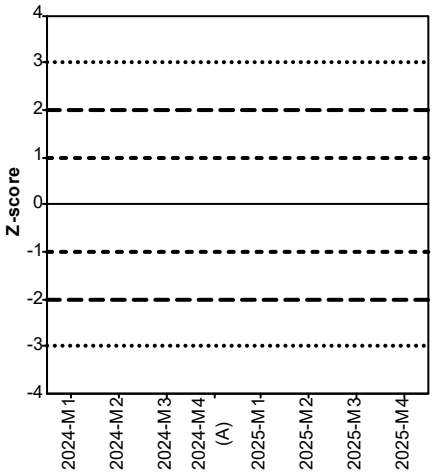
ADAMTS13 antigen

Instrument ID	

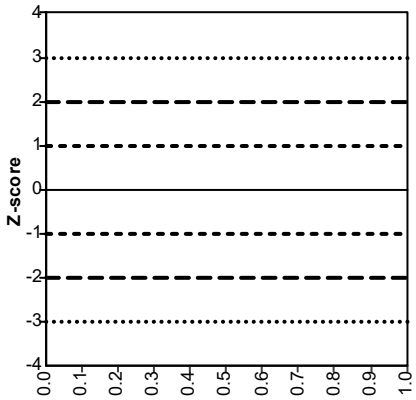
Bivariate Z-score plots (by survey)



Z-score history (by survey)

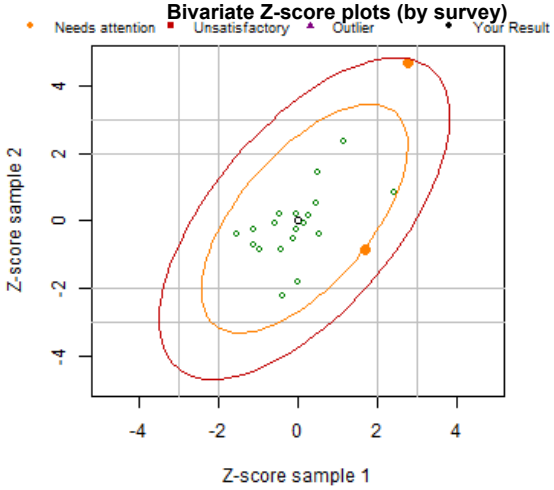


Z-score history (by consensus value)



Instrument ID	

Bivariate Z-score plots (by survey)



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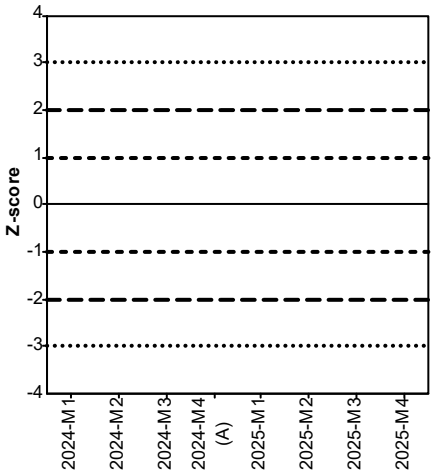
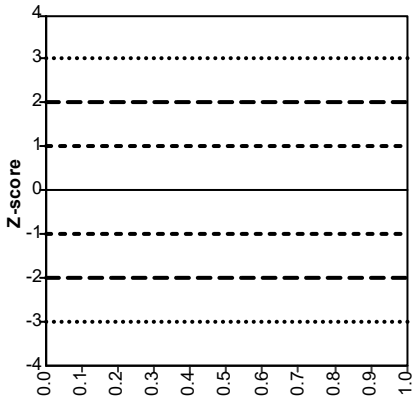
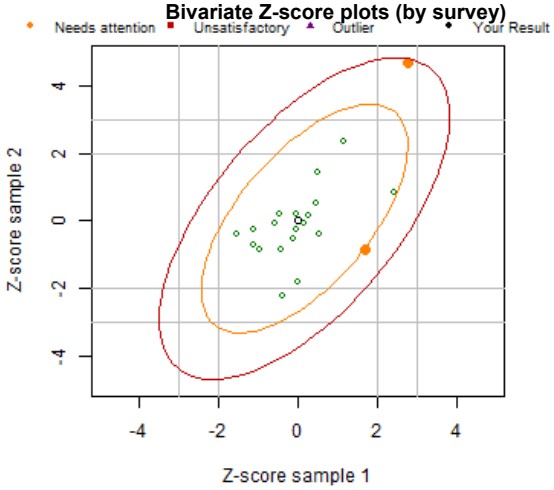


Z-score history (by consensus value)

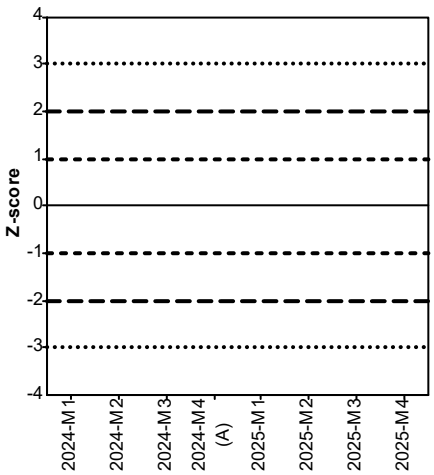
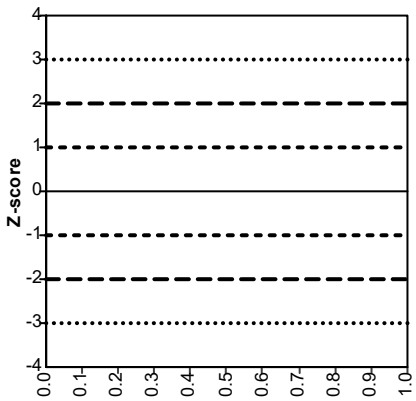


Instrument ID	

Bivariate Z-score plots (by survey)



Z-score history (by survey)



Z-score history (by consensus value)