



مجلس أبوظبي للجودة والمطابقة
ABU DHABI QUALITY & CONFORMITY COUNCIL



Proficiency Testing Program for Inspection of Lifting Equipment Accessories

Participants

No. of inspectors = 167 (> 95 %)

No. of inspection bodies = 33 (100 %)



Procedure

Each inspector was asked to inspect:

- 16 Lifting Equipment Accessories in (180) min.
- Report all faults that are reason for rejection.
- Report the final judgment for the equipment as (Safe to use) or (Unsafe to use).



Results evaluation

All inspector results were compared with the reference faults identified and evaluated by LEEA approved senior experts.



Shackle

UNSAFE TO USE

1- Incorrect Standard on Declaration of Conformity.

2- Jaw width reduced.



Results Reporting - Table (1)

1st Station

#	Item	Reference Faults	Valid Faults (VF)	Invalid Faults (IF)	Correct Final Judgment (CFJ)
1-	Shackle	2	0	2	1
2-	Eyebolt	2	1	2	1
3-	Chain Sling / Wire rope sling	7	5	1	1
4-	Hand chain block / Lever hoist	0	0	7	0
5-	Flat Webbing Sling	4	2	1	1
6-	Round sling	4	3	0	1
7-	Components	5	5	0	
8-	Wire Rope Sample	5	1	4	
9-	Plate/ Beam clamp				

Results Reporting - Table (2)

2nd Station

#	Item	Reference Faults	Valid Faults (VF)	Invalid Faults (IF)	Correct Final Judgment (CFJ)
1-	Shackle	2	0	3	1
2-	Eyebolt	1	0	2	1
3-	Chain Sling / Wire rope sling	1	1	4	1
4-	Hand chain block / Lever hoist	1	1	2	1
5-	Flat Webbing Sling	4	2	2	1
6-	Round sling	2	1	1	1
7-	Components	5	4	1	
8-	Wire Rope Sample				
9-	Plate/ Beam clamp	0	0	2	0

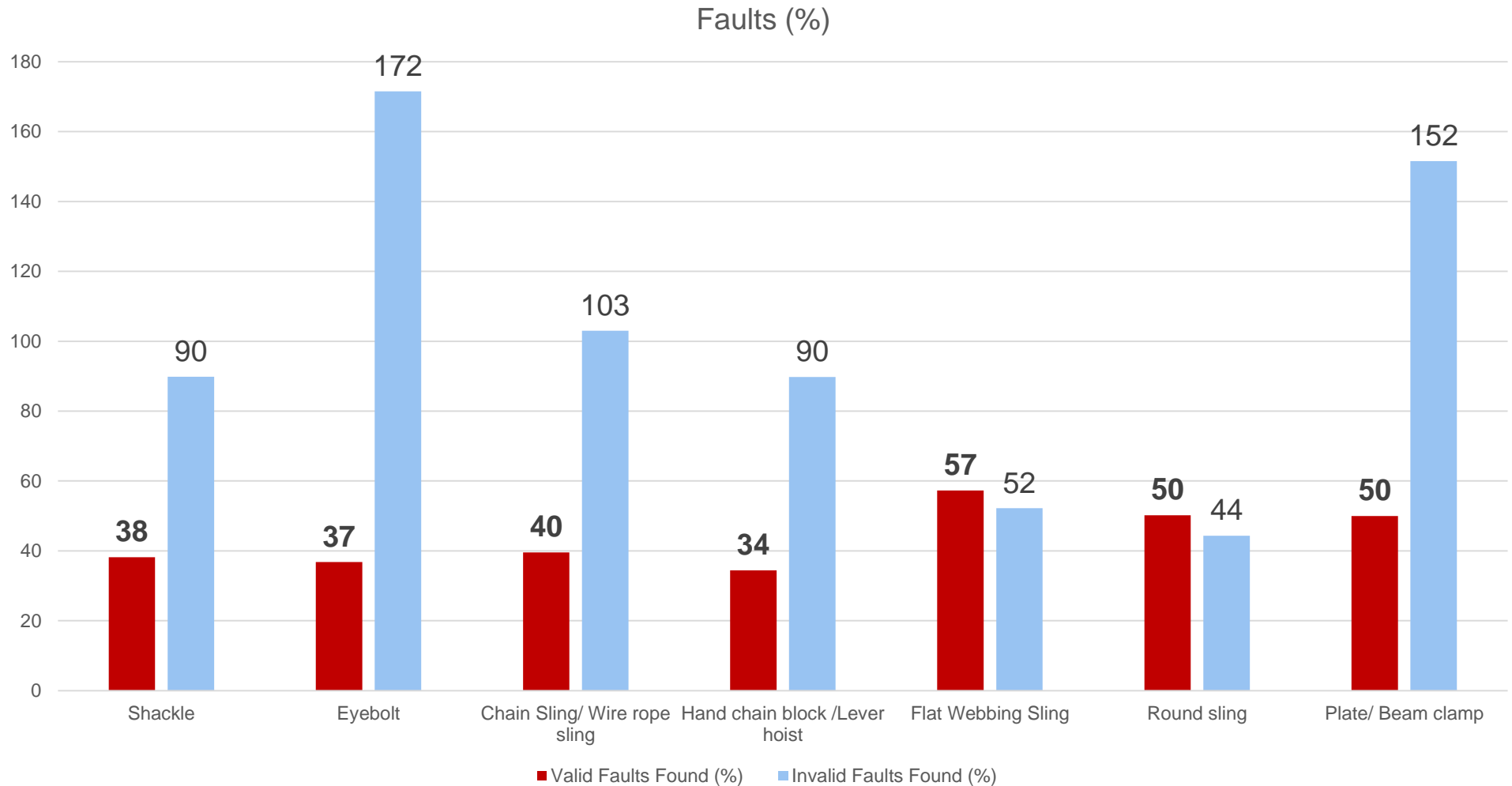
Report content - Table (3)

Summary of the results for each inspector

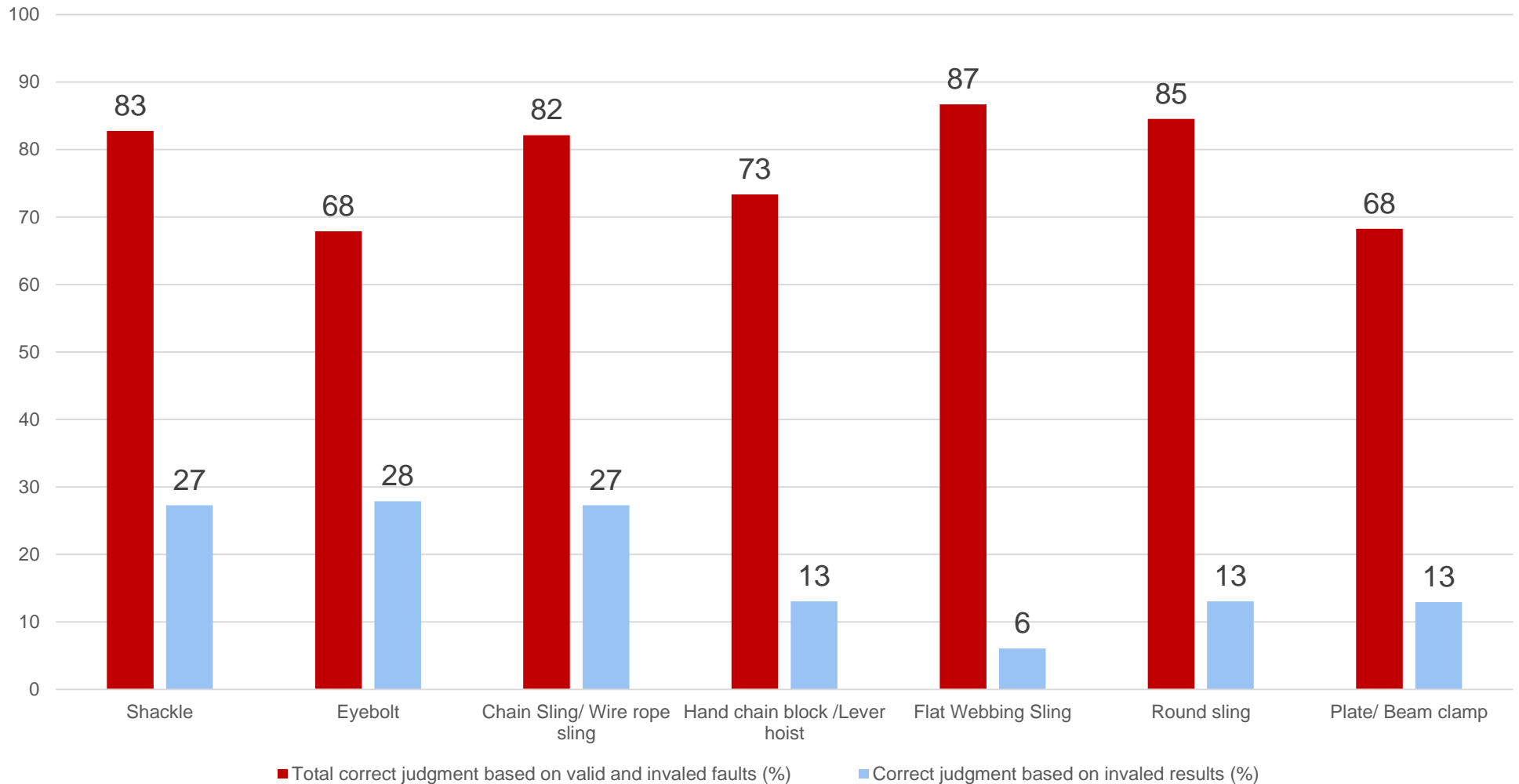
Total Reference Faults	45
Valid Faults detected by the inspector (VF)	58% (42) inspectors got better results
Invalid Faults reported by the inspector (IF)	34 (113) inspectors got better results
Correct Final judgment based on valid and invalid faults (CFJ)	85% (42) inspectors got better results
Correct judgment based only on invalid faults	3% (96) inspectors got better results
Overall Indicator (OI)	50 (42) inspectors got better results

Overall Results

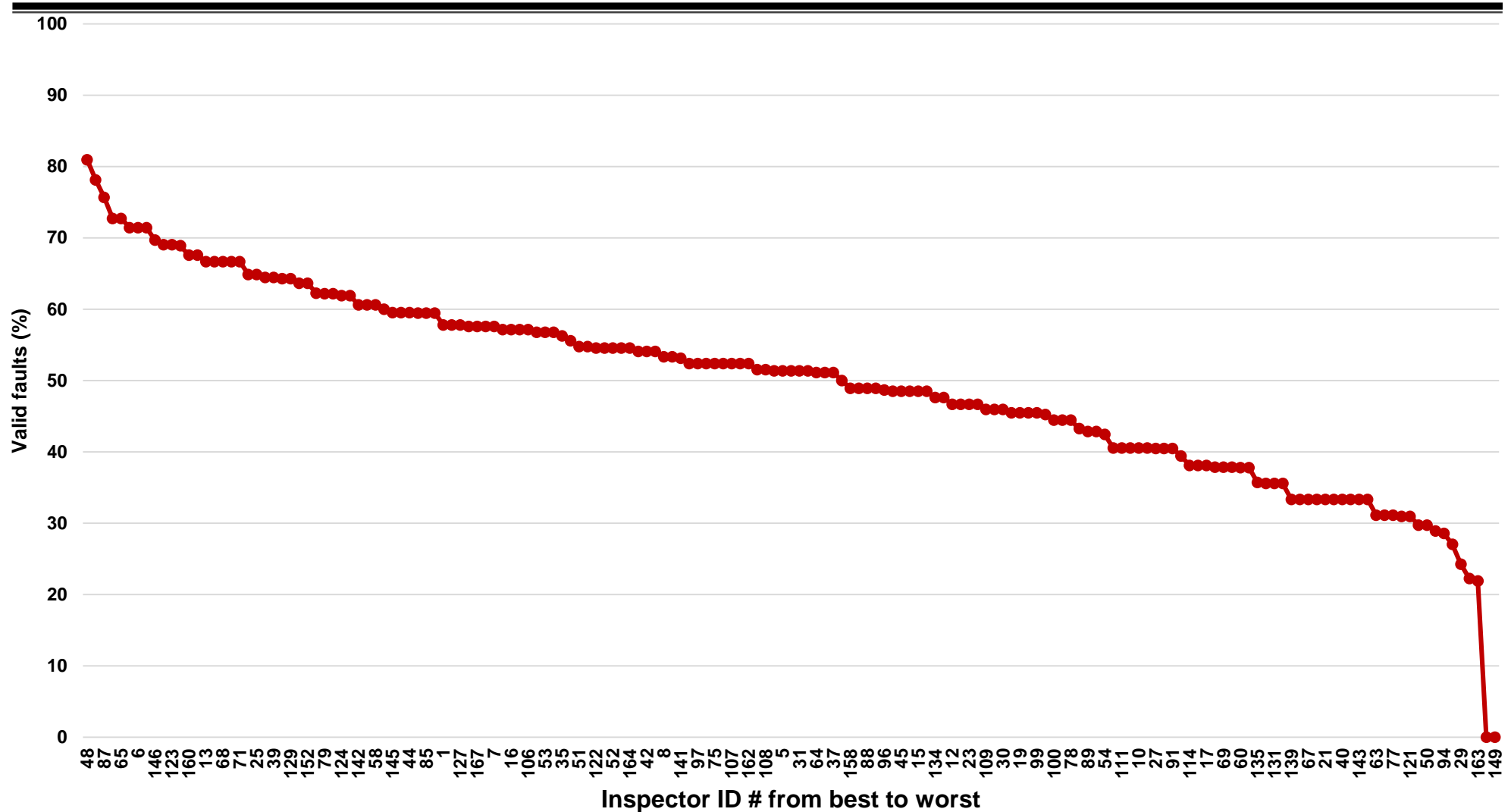
Faults Detected by Inspectors



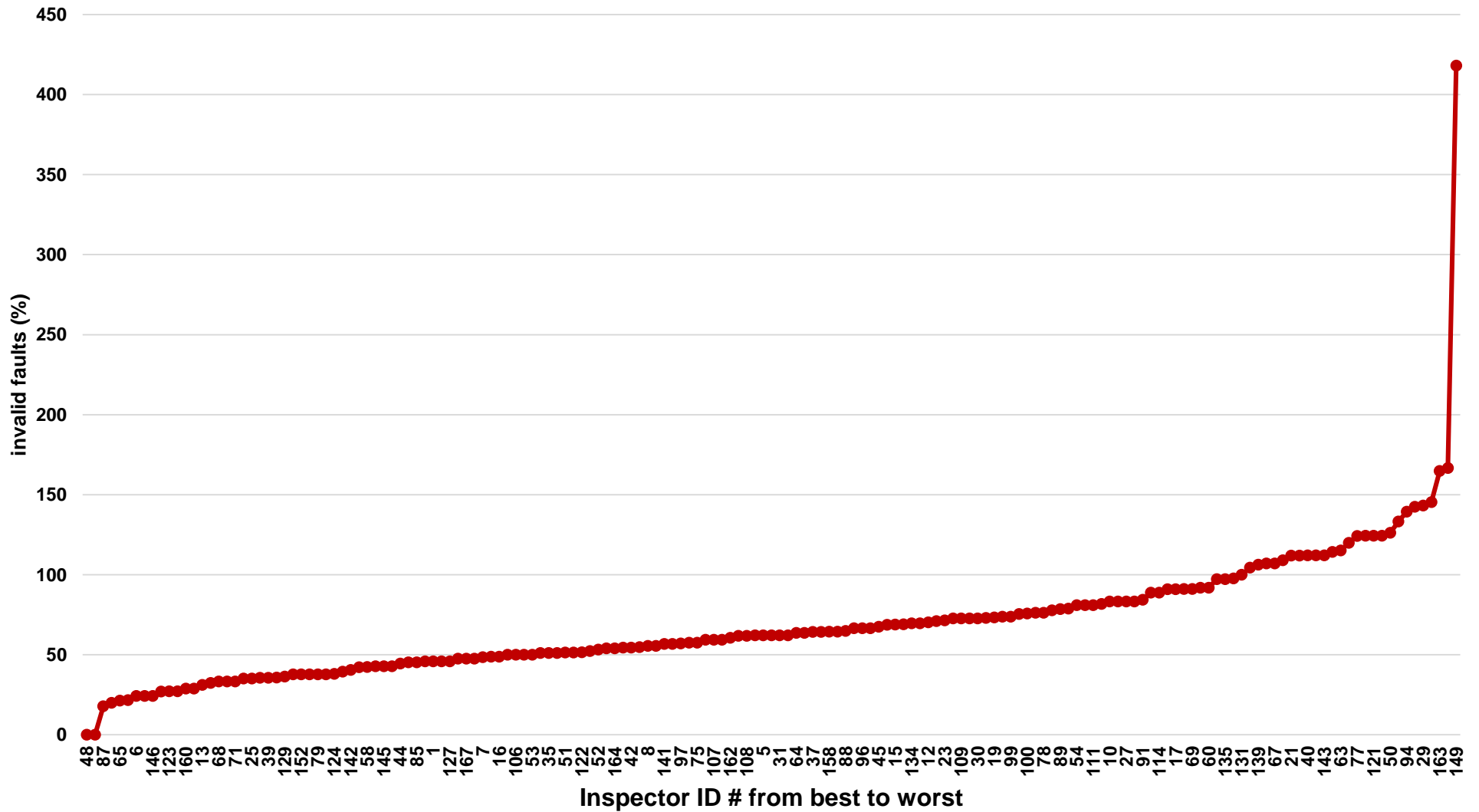
Correct Judgment (%)



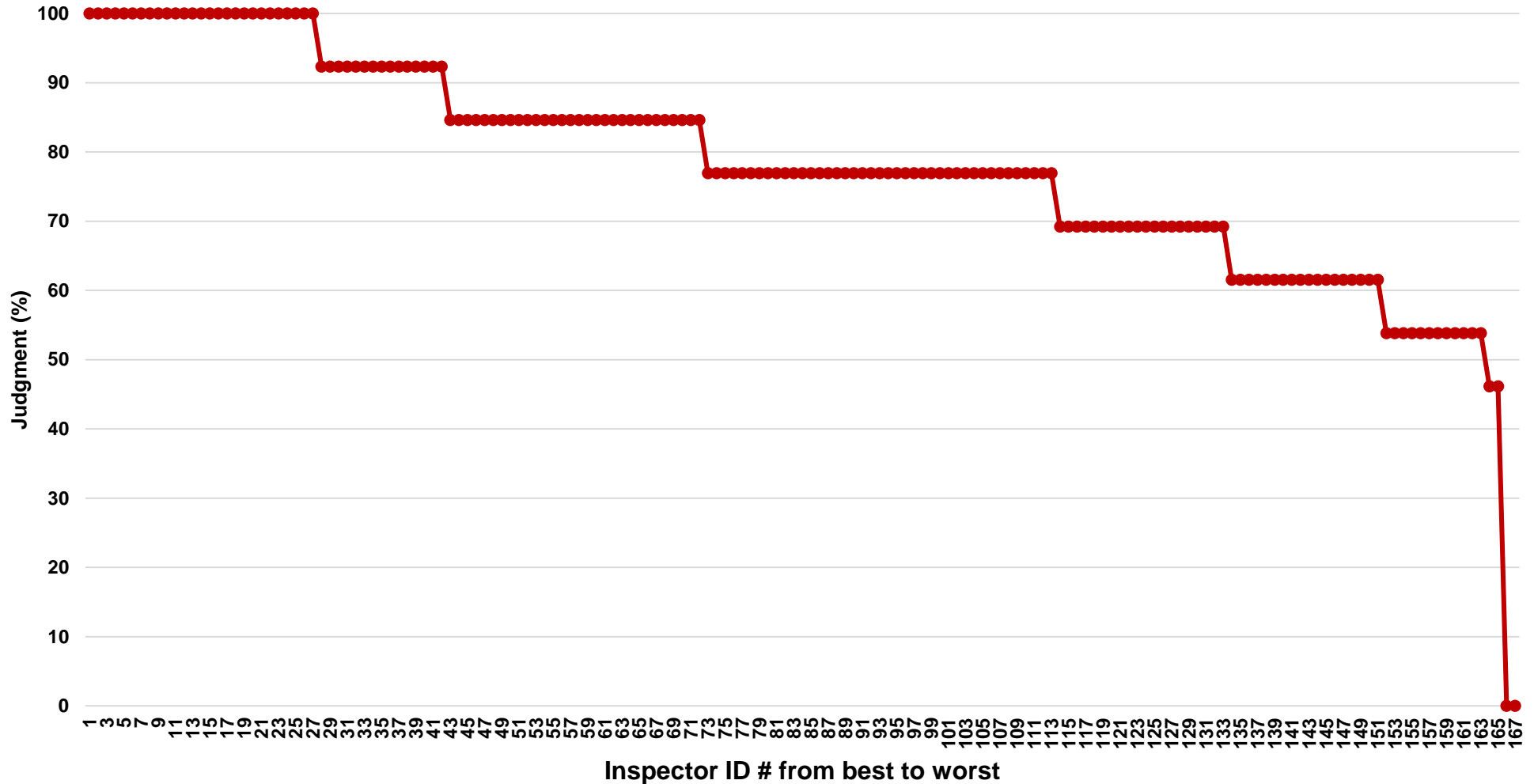
Valid faults detected by inspectors



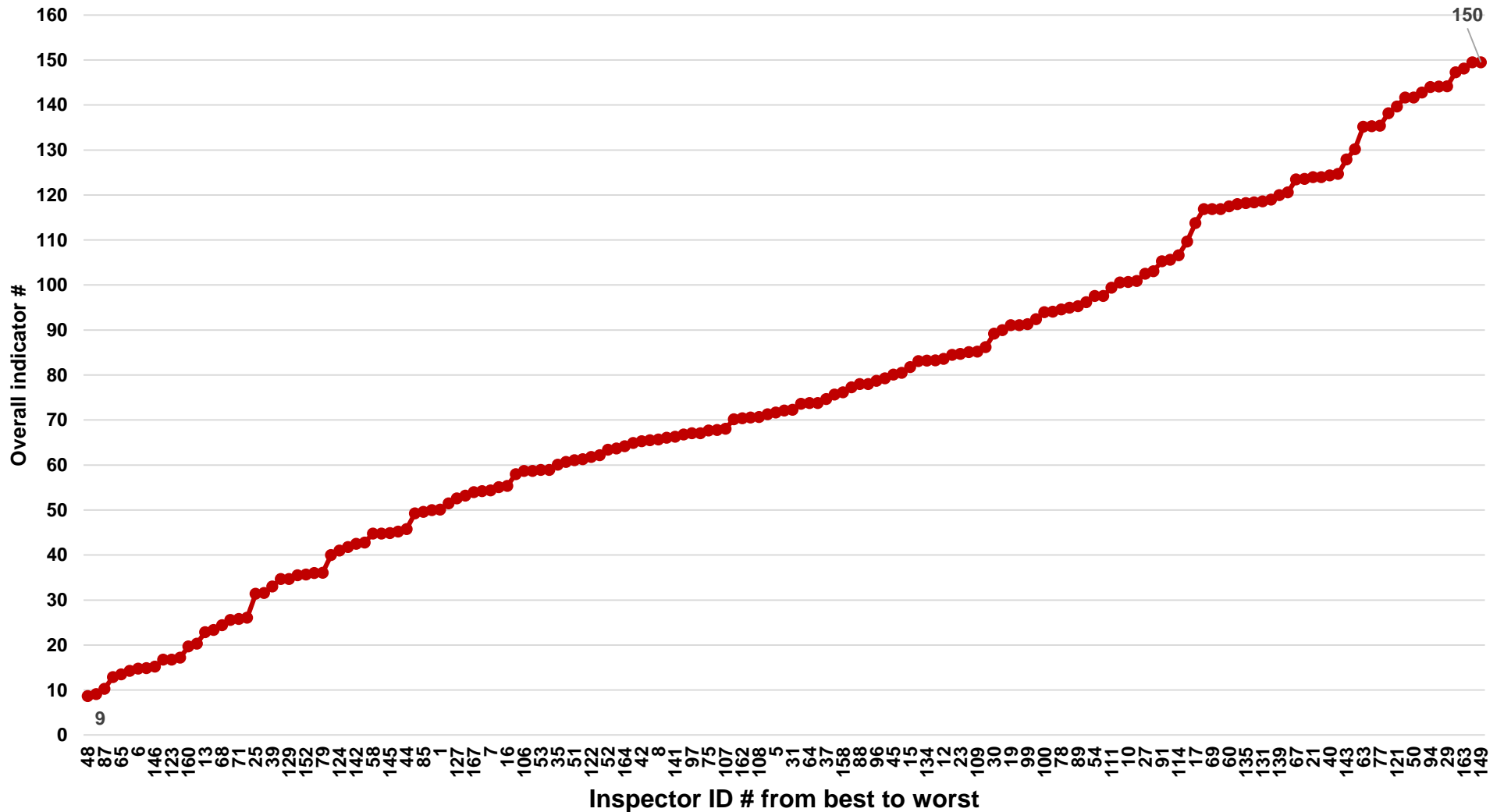
Invalid faults reported by inspectors



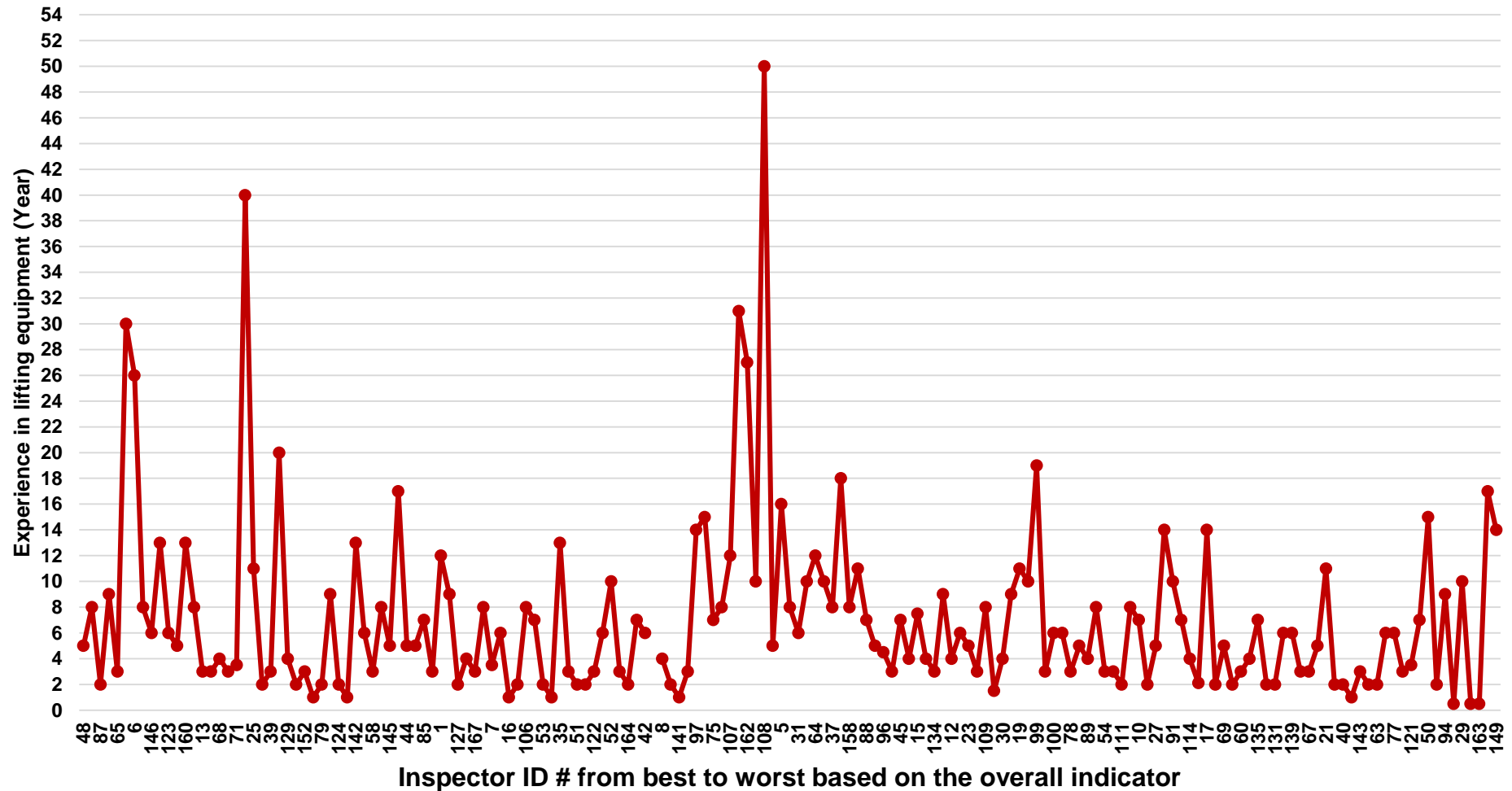
Correct judgment based on valid and invalid faults



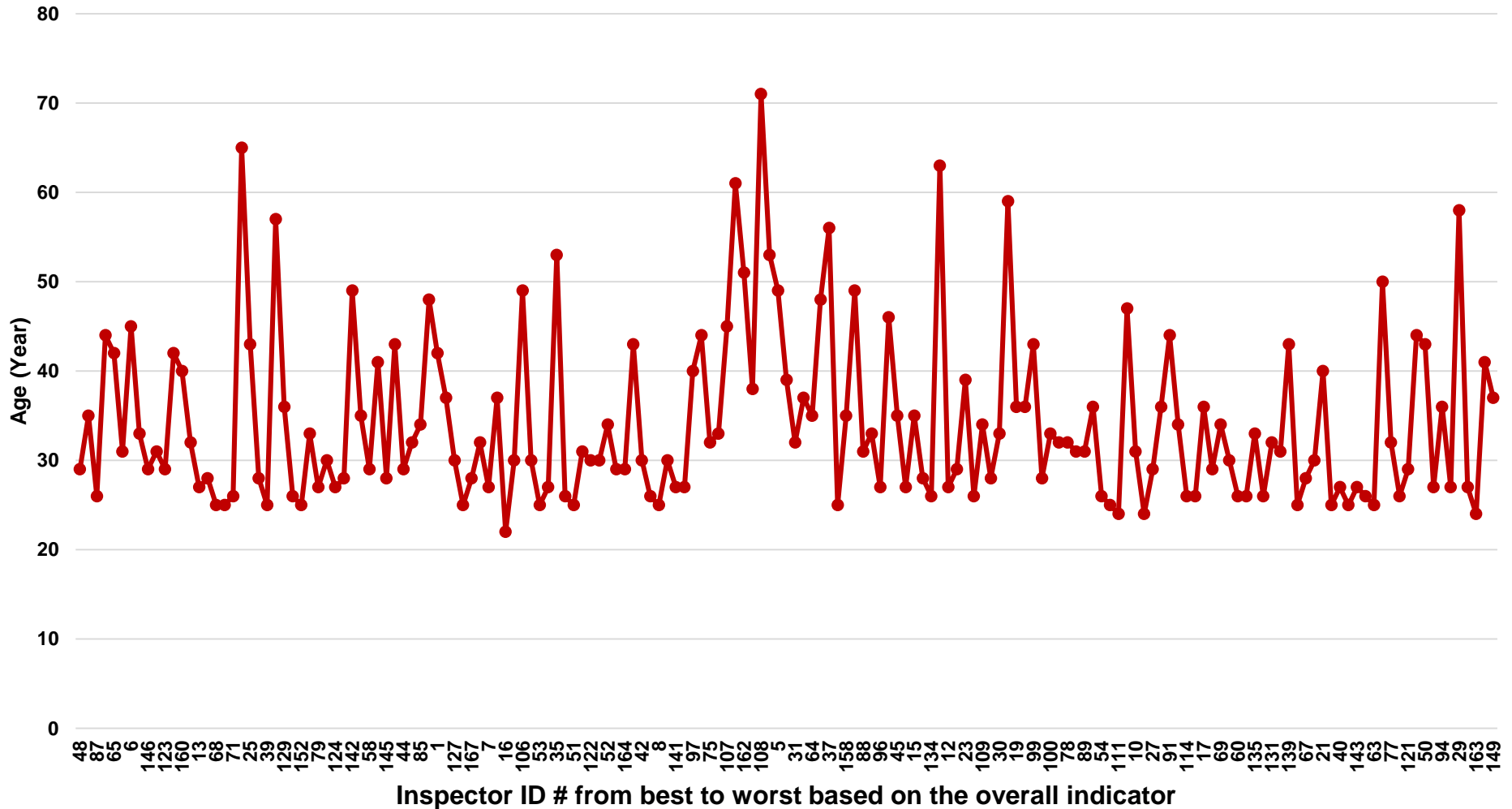
Overall indicator for all inspectors



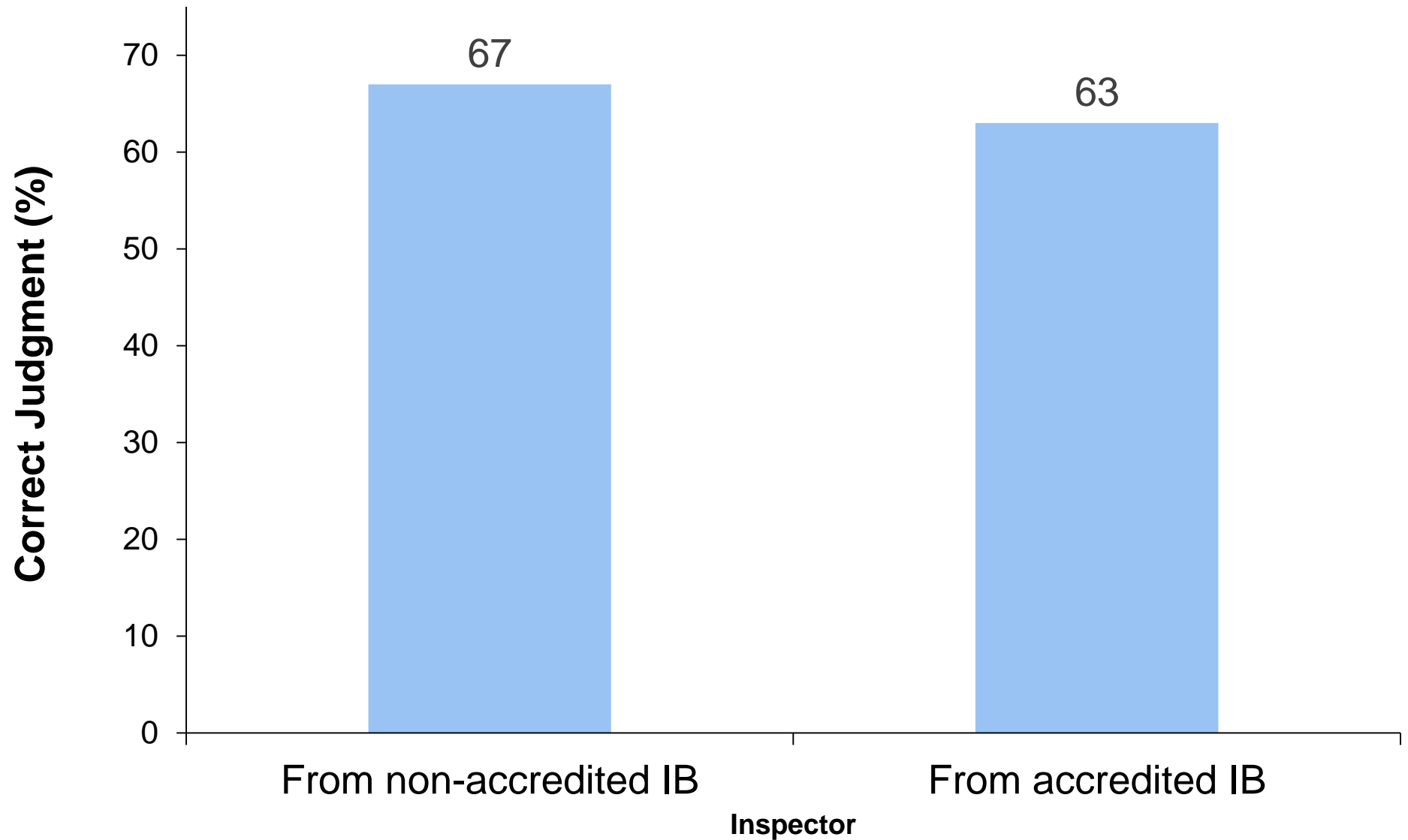
Relation between experience and overall indicator



Relation between age and overall indicator



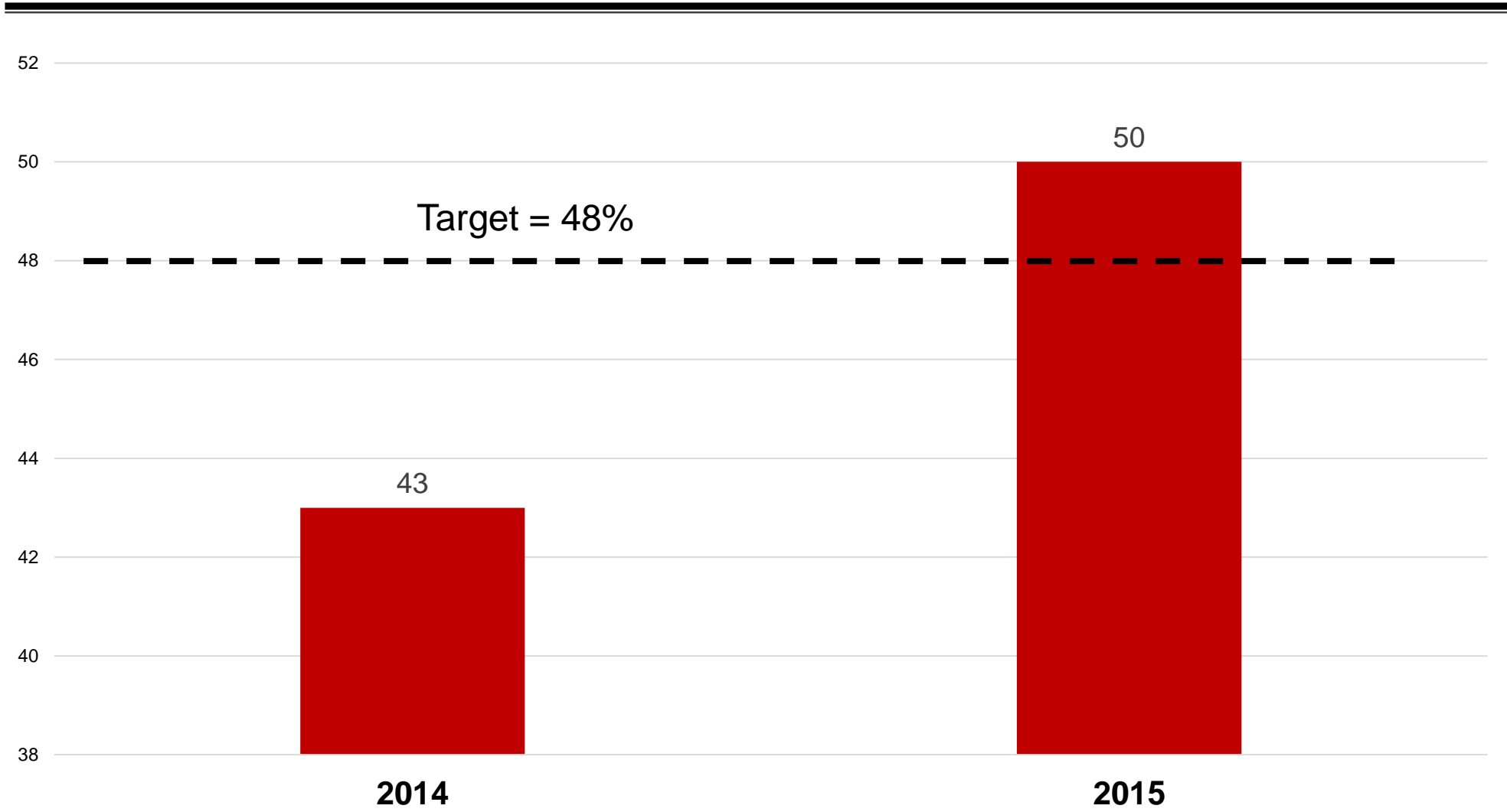
Impact of Accreditation on Inspectors Judgment level -Form the Pilot Study-



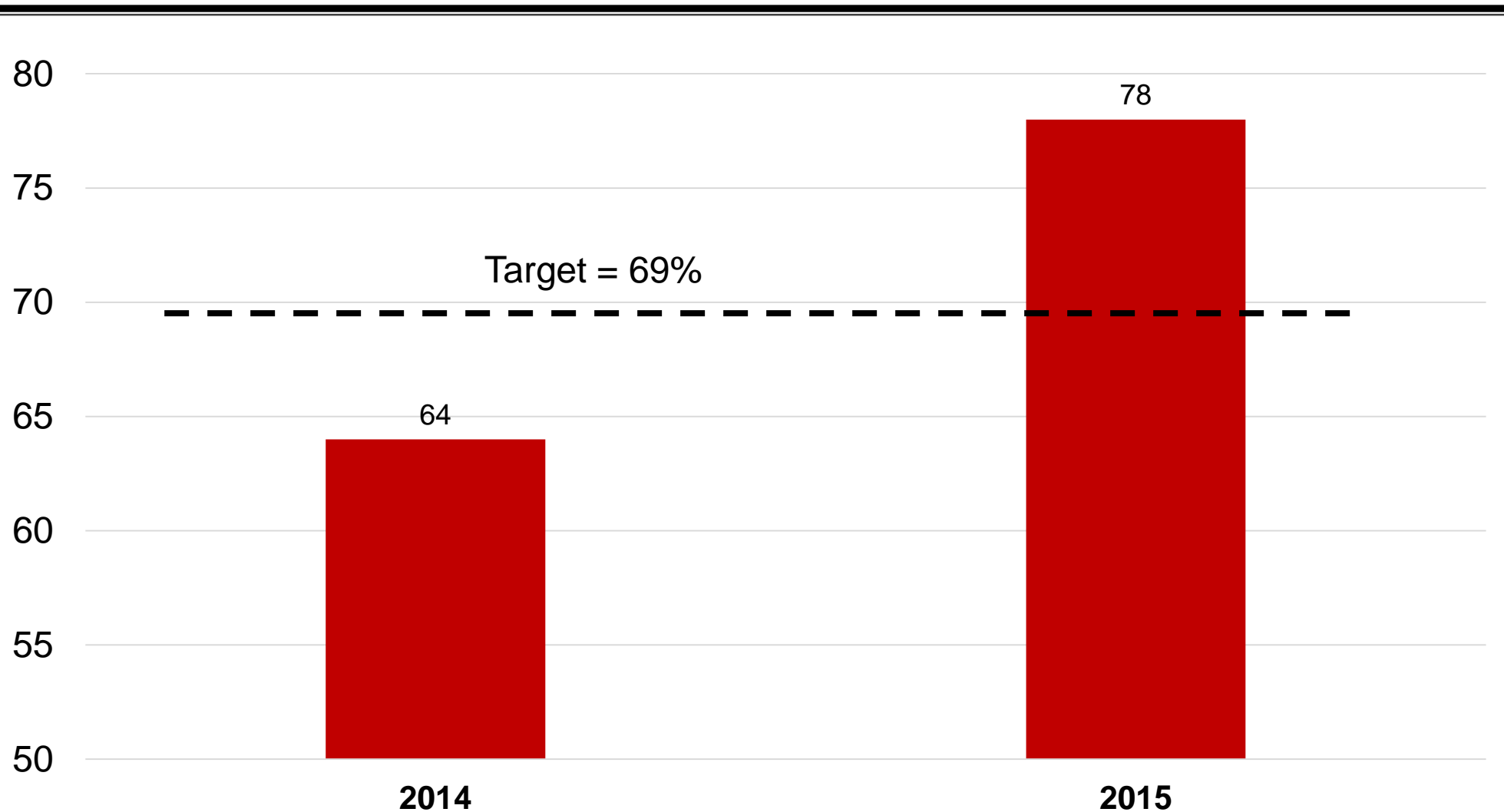
Comparison between

2014 - 2015

Average valid faults found (%) by all inspectors participated in 2014 PT program compared with all inspectors participated in 2015 PT program



Average correct judgment (%) by all inspectors participated in 2014 PT program compared with all inspectors participated in 2015 PT program



PT workshop

PT workshop



2015 - Top 20 AD Inspectors

Overall indicator < 27

48	
83	
87	
26	
65	
150	
6	
32	
146	
46	

123	
49	
160	
157	
13	
119	
68	
34	
71	
154	



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THANK YOU