

National Johnes's Disease Tracker Database: 2025 update

PAN Livestock Services Ltd

Action Group on Johnes's, Processor Meeting, 25th June 2026



Overview of the National JD Tracker Database

The database was focused on herds which were “quarterly” testing.

2023 data

2024 data

2025 data

Data from ALL milk recording herds was stored together, regardless of testing frequency.

A second database was setup for herds which were “annually” testing.

But as the data were not complete these were not included in statistics for the 2024 report.

Individual cow JD test results have also been supplied by NMR and CIS for herds that DO NOT milk-record



Data in the National JD database

- **Milk-recorded herds:**

JD test data along with routine milk-recording data as InterHerd+ database, with anonymised cow and herd IDs.

- All JD parameters and herd demographics available.

- **Non-milk-recording herds (from 2025):**

Excel spreadsheets giving date of test and test value for each and every individual cow JD test, with anonymised cow and herd IDs.

- These data can be grouped and summarised by herd and testing date, to give the annual ATV for each herd.



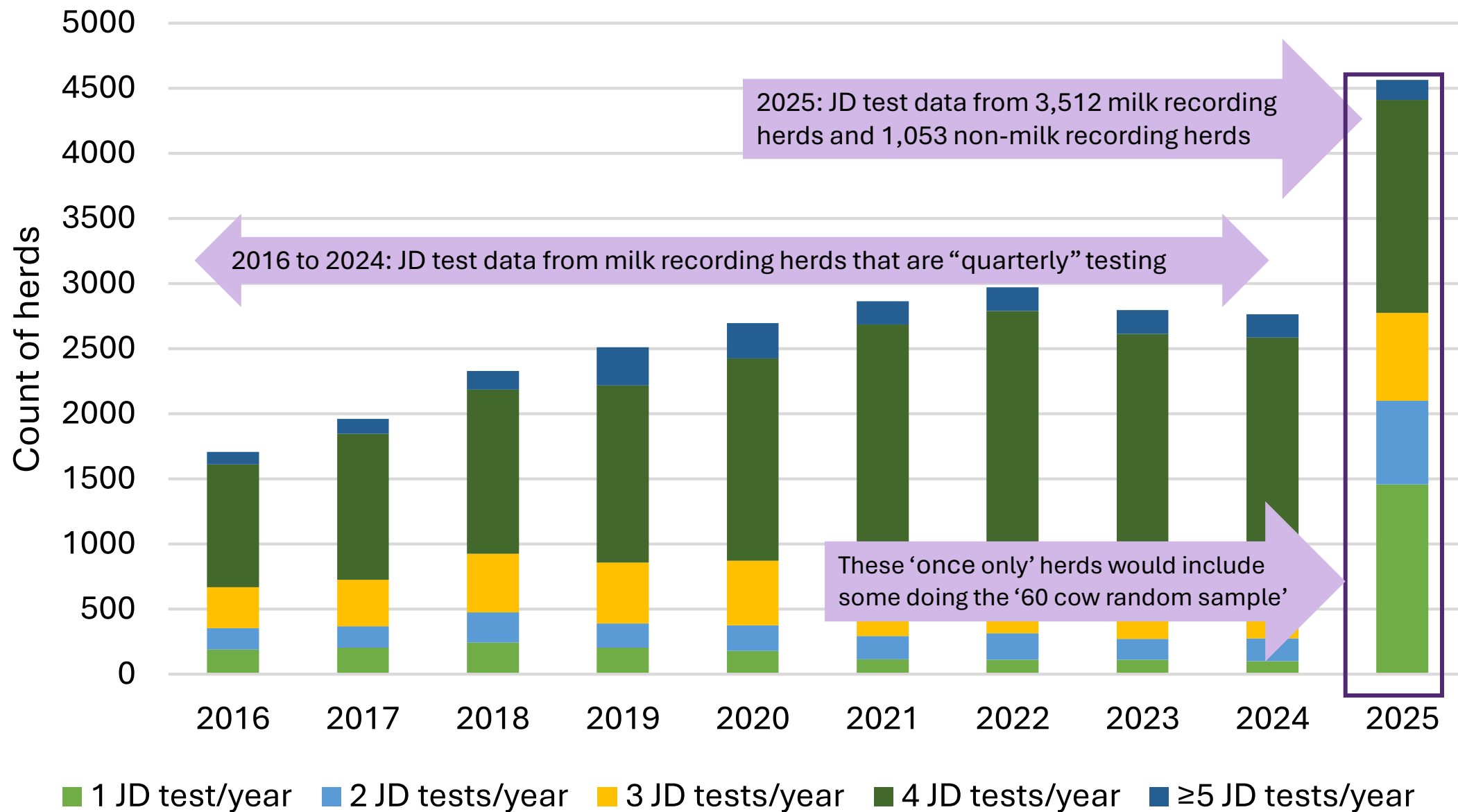


Figure 1. The number of herds included in the National JD database by testing frequency

Section 1:

JD parameters and Rolling Benchmarks

Trends in JD parameters & rolling benchmarks

- These are intended to provide meaningful targets for herds that are fully engaged with the NJMP
- The quartile statistics underly the ‘traffic light’ graphics on JD tracker platforms like InterHerd+ and HerdWise
- **The JD parameter quartile statistics and 3 year rolling benchmarks are based on a subset of data from milk-recording herds with four whole herd tests in the year**



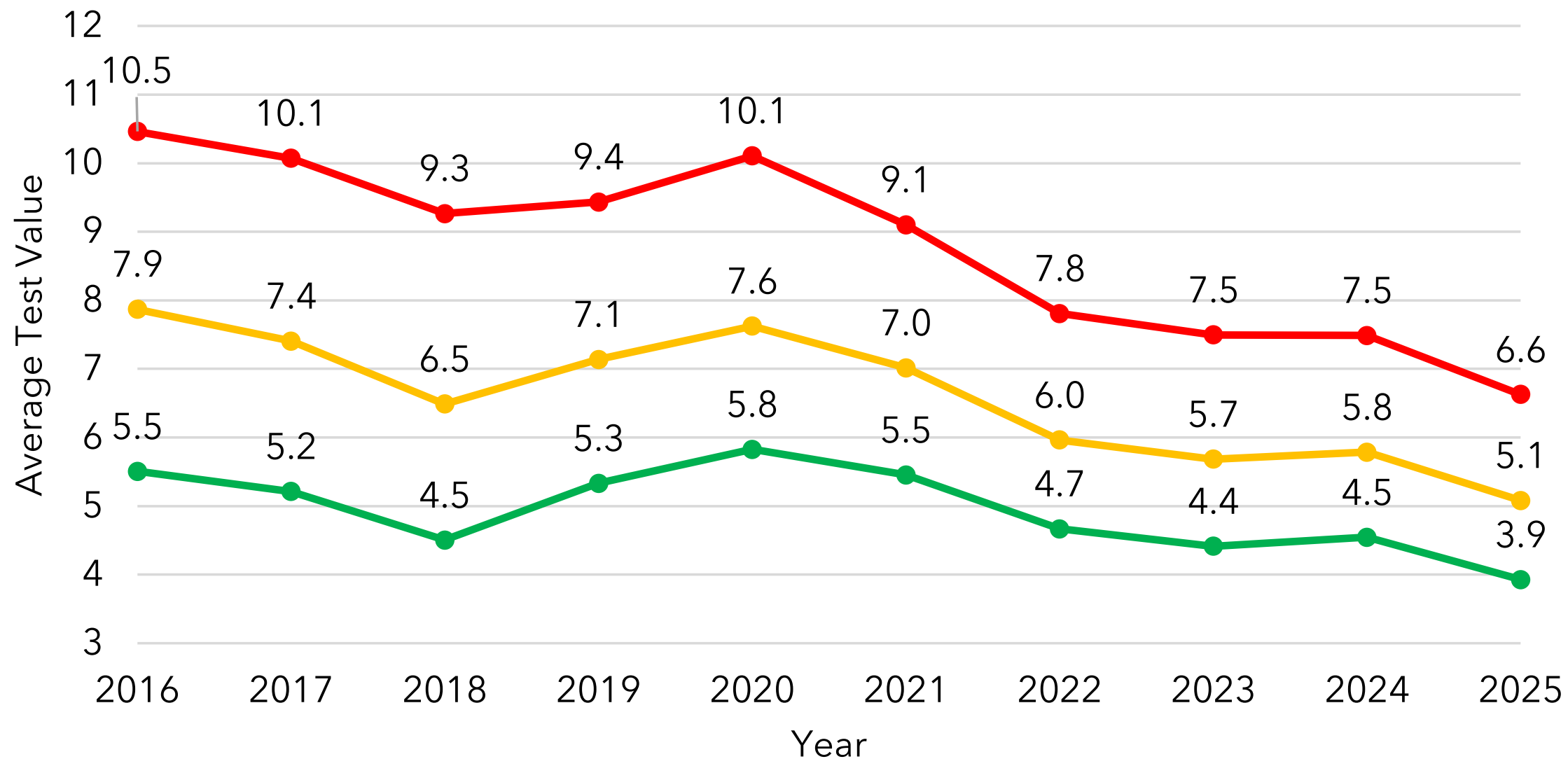


Figure 2. The median and quartile values for herd annual ATVs.
Green = quartile 1, Orange = median, Red = quartile 3.

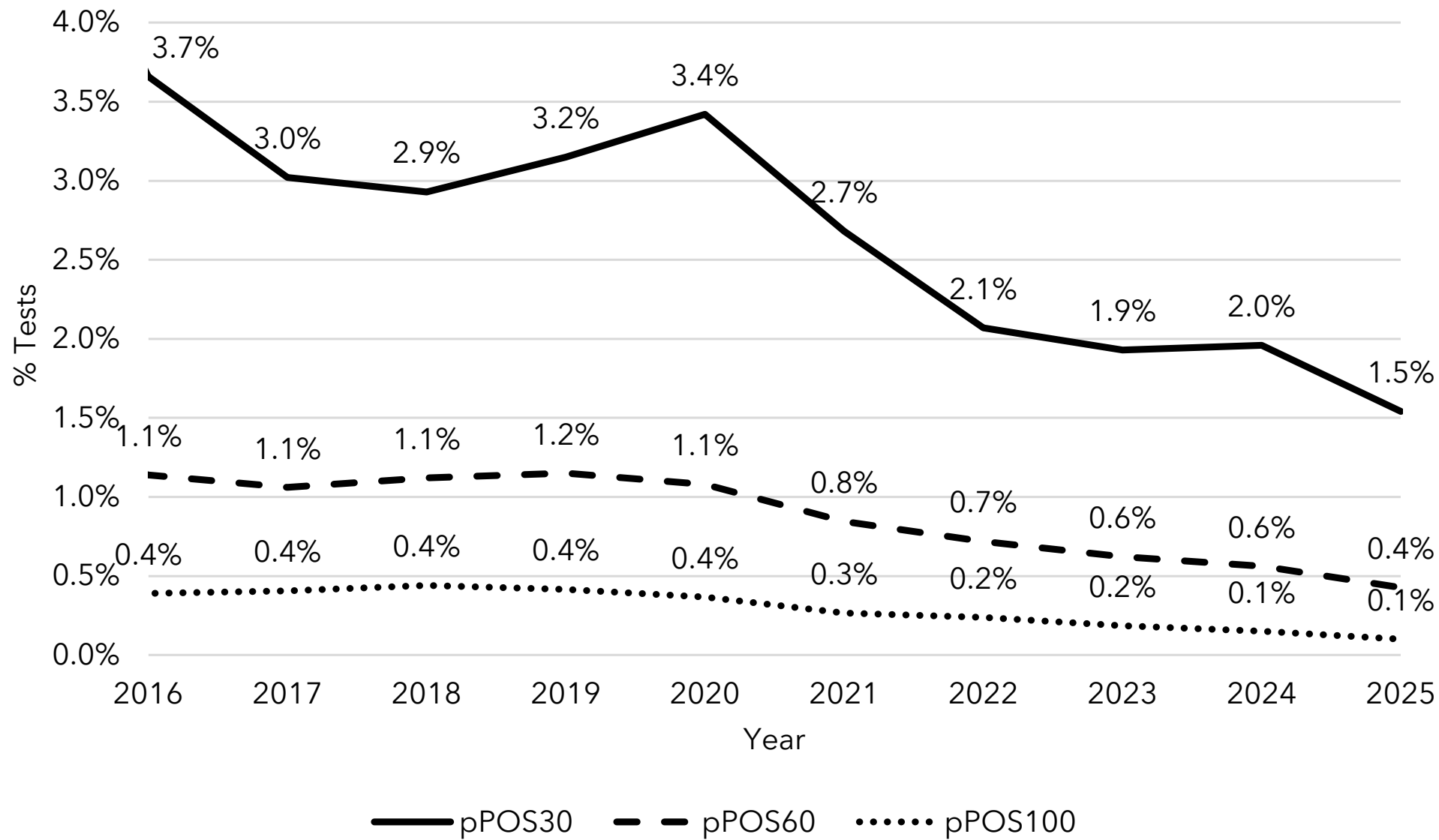


Figure 3. The median herd % of **TESTS** positive, at different cut-offs

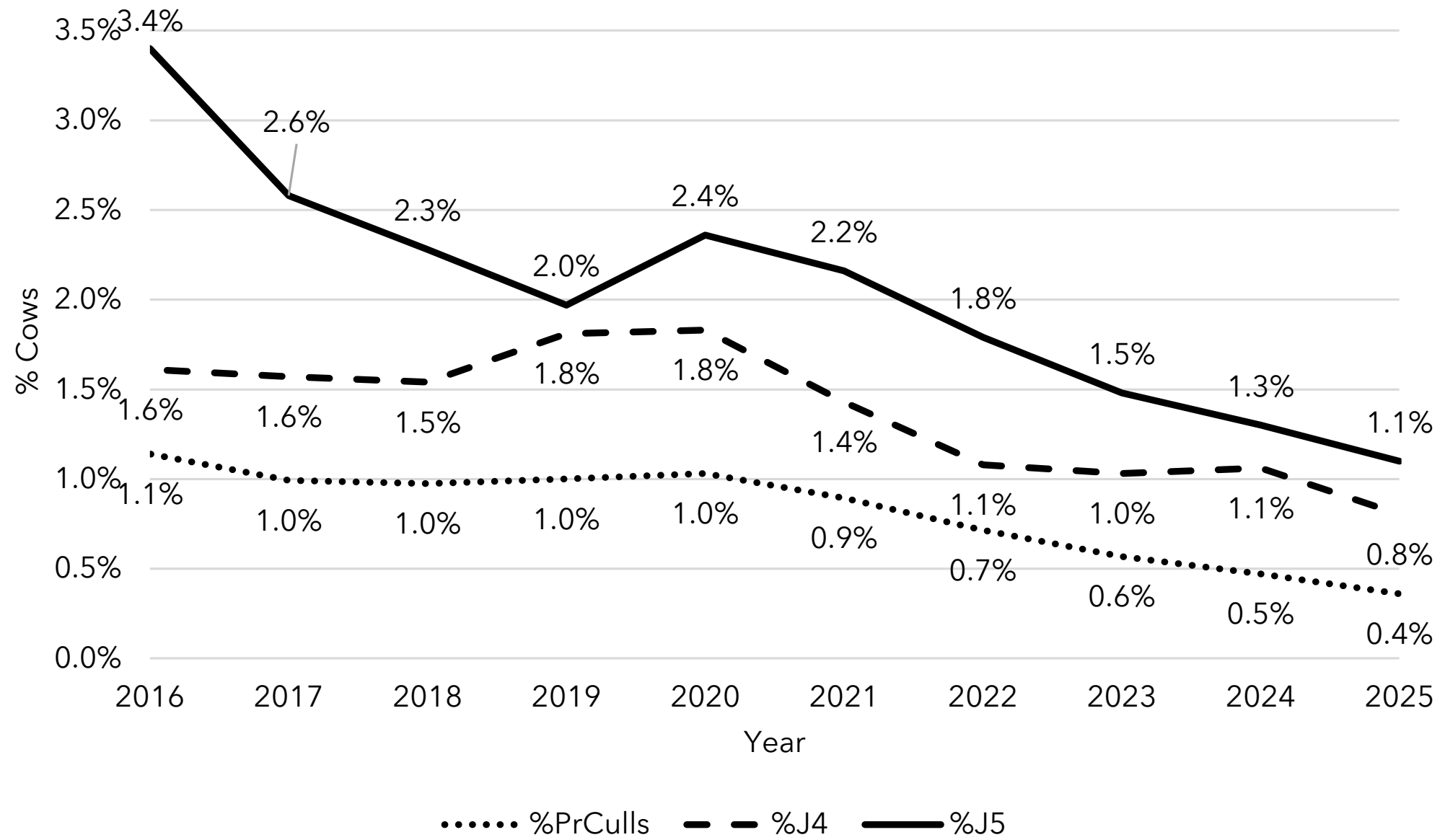


Figure 4. The median herd percentage of J4, J5 and 'Priority Cull' (PC) classified cows

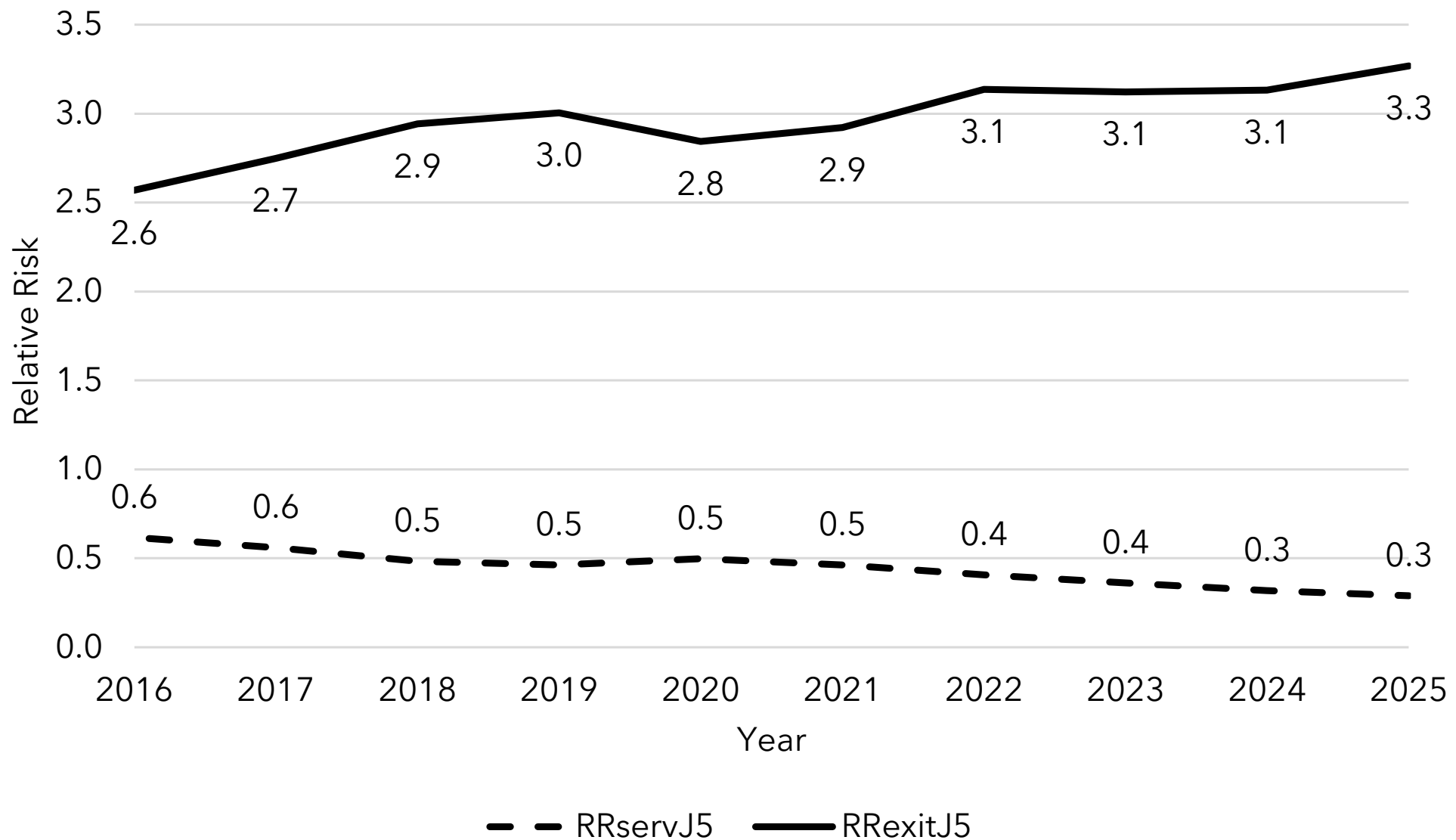
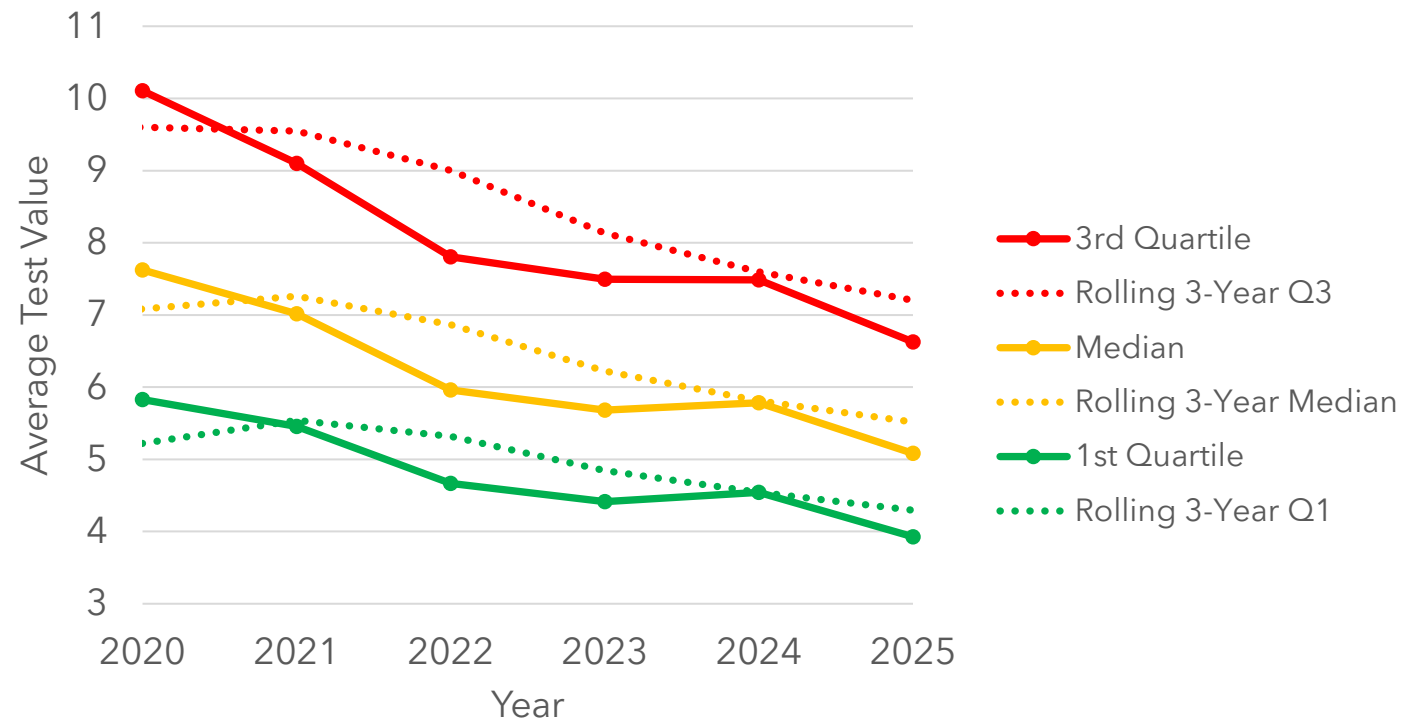


Figure 5. The median herd RR of subsequent service and RR of exit within 150 days after ‘whole herd’ test date comparing risk in J5 cows with all other cows except J4 cows present on test dates

Rolling Benchmarks



These are based on a 3-year rolling average of the current and previous two years' JD parameter, e.g. ATV

Applying the 3-year rolling average smooths out year-to-year changes in the benchmark values

Figure 6. Annual medians & quartiles and the 3 year rolling averages.



Table 1. 2023 to 2025 (3-year) rolling averages for JD Tracker parameters

JD Tracker Parameters	Quartiles		
	Q1	Median	Q3
AveTVal	4.30	5.52	7.20
pPOS	0.86%	1.81%	3.42%
pPOS60	0.12%	0.54%	1.31%
pPOS100	0.00%	0.15%	0.54%
pJ4	0.50%	0.96%	1.69%
pP1J4	0.08%	0.69%	1.53%
pJ5	0.45%	1.29%	2.72%
pPrCulls	0.00%	0.47%	1.26%
RRservJ5	0.00	0.32	0.75
RRexitJ5	3.94	3.17	3.01



Section 2:

Johne's Control Index

Johne's Control Index (JCI)

- The national JCI is defined as a simple mean (annual average) of the ATVs of all the herds for which data are available.
- Phase 3 of the NJMP has challenged the GB dairy sector to achieve a $JCI \leq 5.5$ by 2030.
- For the GB dairy sector to achieve the aspirational goal it will not require 100% of herds to have an $ATV \leq 5.5$, only that the herds for which data are available have an average $ATV \leq 5.5$.



National Statistics for 2025

Table 1. 2023 to 2025 (3-year) rolling averages for JD Tracker parameters

Number of herds ¹	4,565
JCI ²	6.5
Average %Pos30 ³	3.0%
% of herds with ATV $\leq$ 5.5	46.0%

Notes:

1. Herds with less than 50 cows were not included
2. Johne's Control Index (JCI) = average of all herd ATVs
3. The average of the % of tests that were positive per herd, NOT % of positive cows



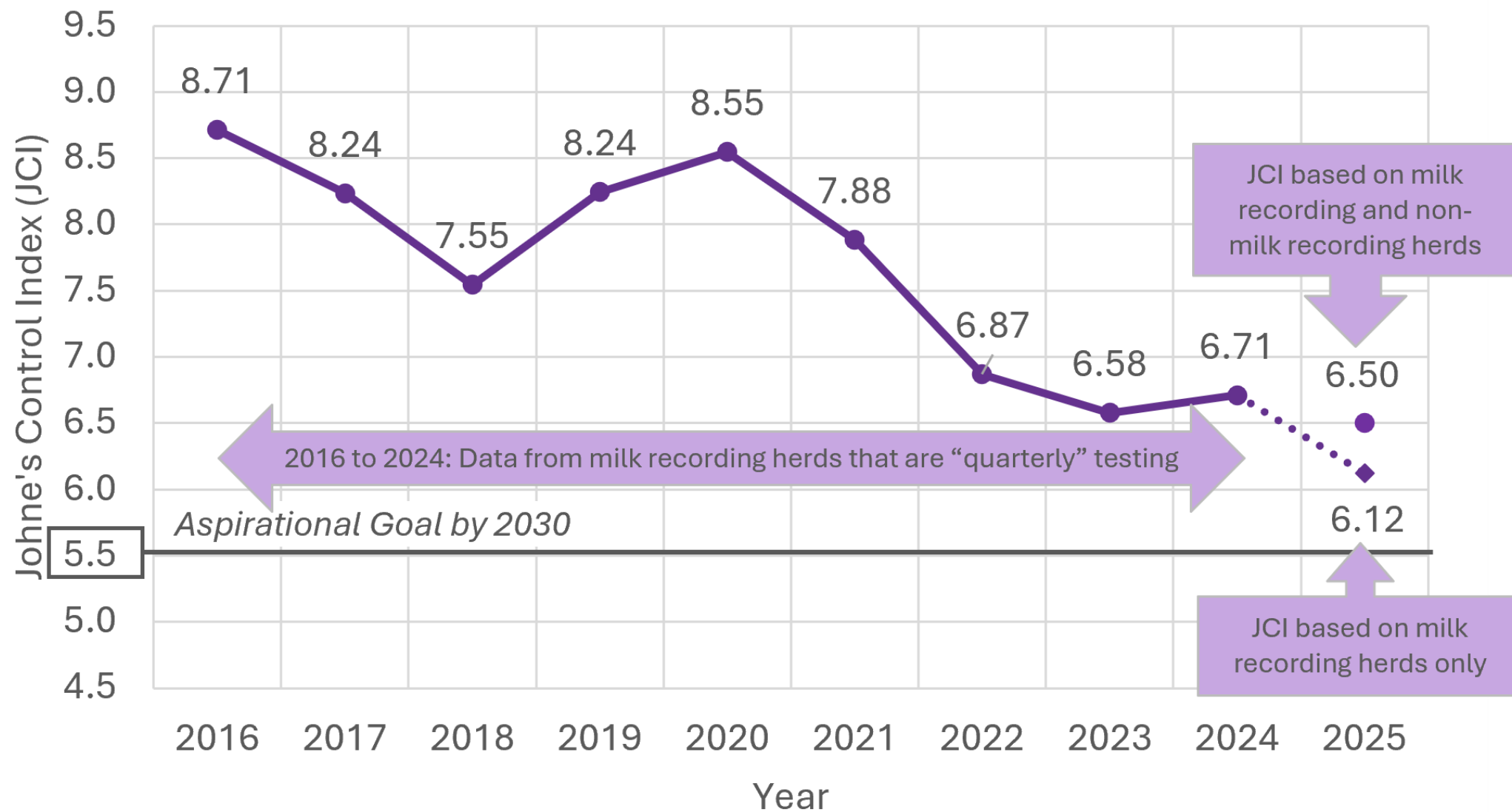


Figure 6. Annual JCI (2016 to 2024 and 2025)



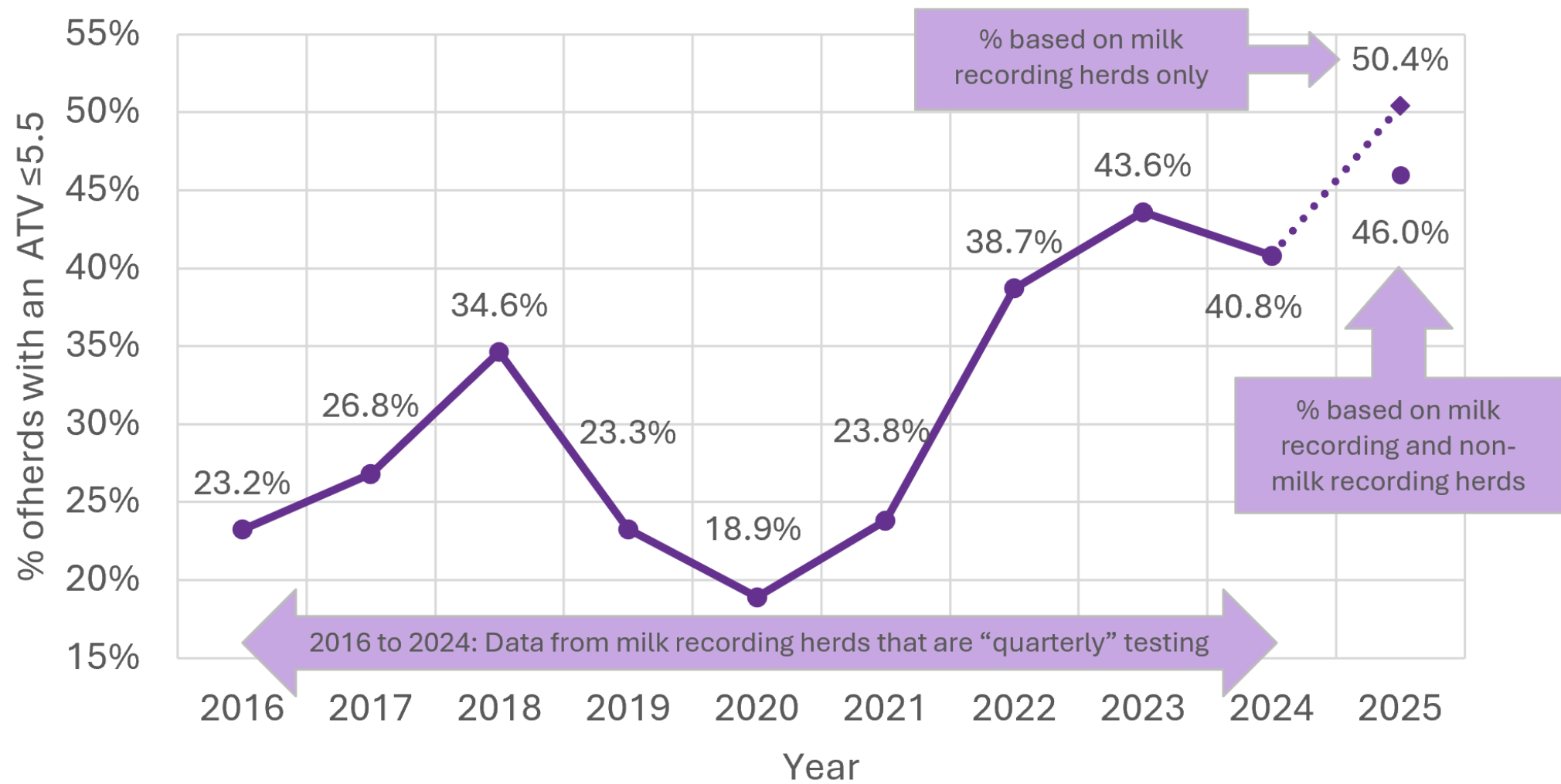


Figure 7. % of all herds with an ATV ≤ 5.5 (2016 to 2024 and 2025).

