



EU TSE SUMMARY REPORT 2024

RESULTS

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OUTLINE

TSE EU Summary Report 2024

- results of testing and case data per:
 - bovines
 - small ruminants: sheep, goats, genotyping
 - cervids
- conclusions

Timeline for 2025 TSE EUSR

Surveillance data from **27 EU MSs**, UK in respect of Northern Ireland (**XI**), and Bosnia and Herzegovina, Iceland, Montenegro, North Macedonia, Norway, Serbia, Switzerland and Türkiye (**non-EU RCs**)

Source:

[TSE EUSR 2024](#)

[TSE story map](#)

[TSE dashboard](#)





BOVINES



BOVINES – TESTING DATA

EU27 & XI

- Total tested: **980, 624** +3. 4% compared to 2023
- 86. 5% of these from at risk animals (ES, AM, FS++)

Non- EURCs

- Total tested: **41, 397** from BA, CH (++), IS, ME, MK, NO, RS (+++), TR
- Target group: only 51. 5% from at risk animals



BOVINES – CASE DATA

EU27 & XI

In total **3 atypical cases** detected:

- 2 H- BSE: 1 in FR, 1 in IR (15 & 18 years old) Suckler Cows
- 1 L- BSE in PL (6 year old dairy cow)

All from **Fallen Stock** (no clinical signs of BSE)

Rest of the world

3 atypical cases: 1 L- BSE in US, 2 H- BSE in Brazil and UK

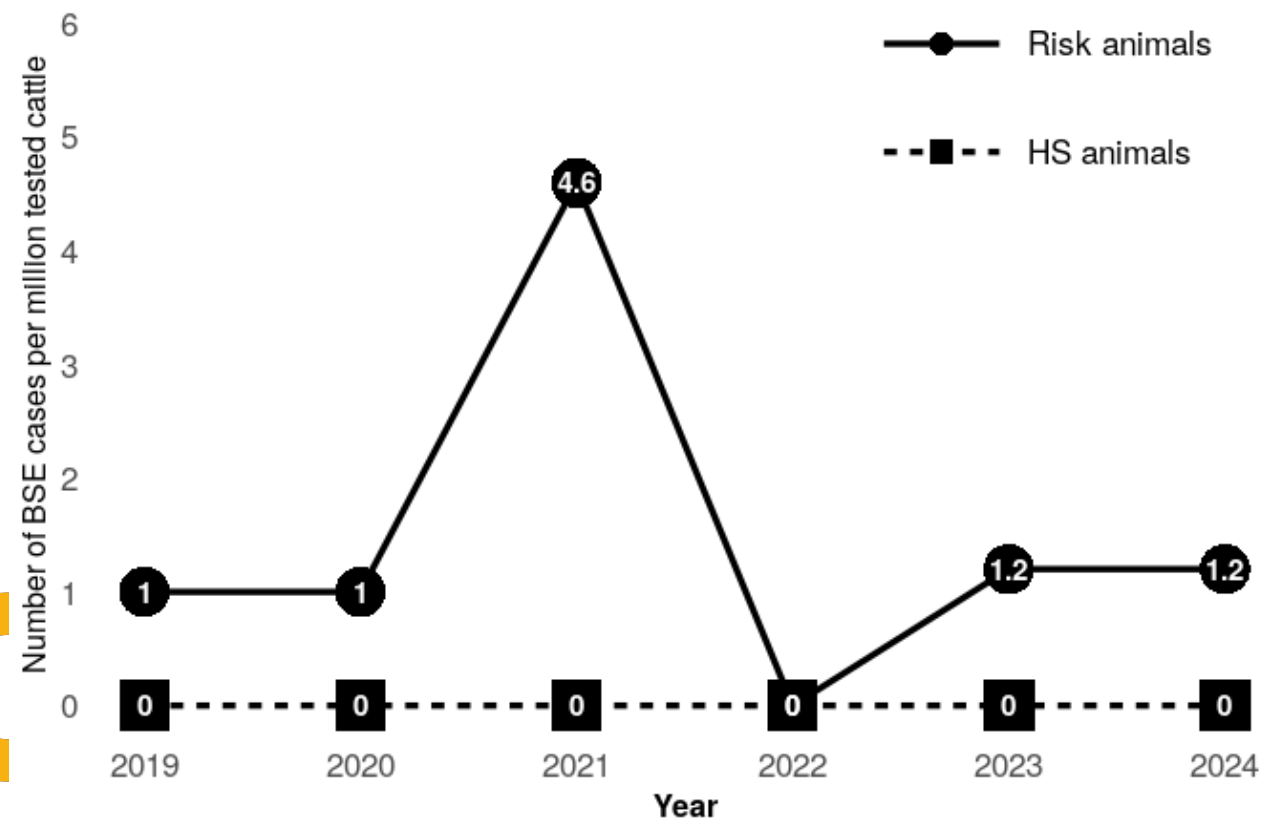
1 classical case in UK (7. 5 year- hold, beef suckler)



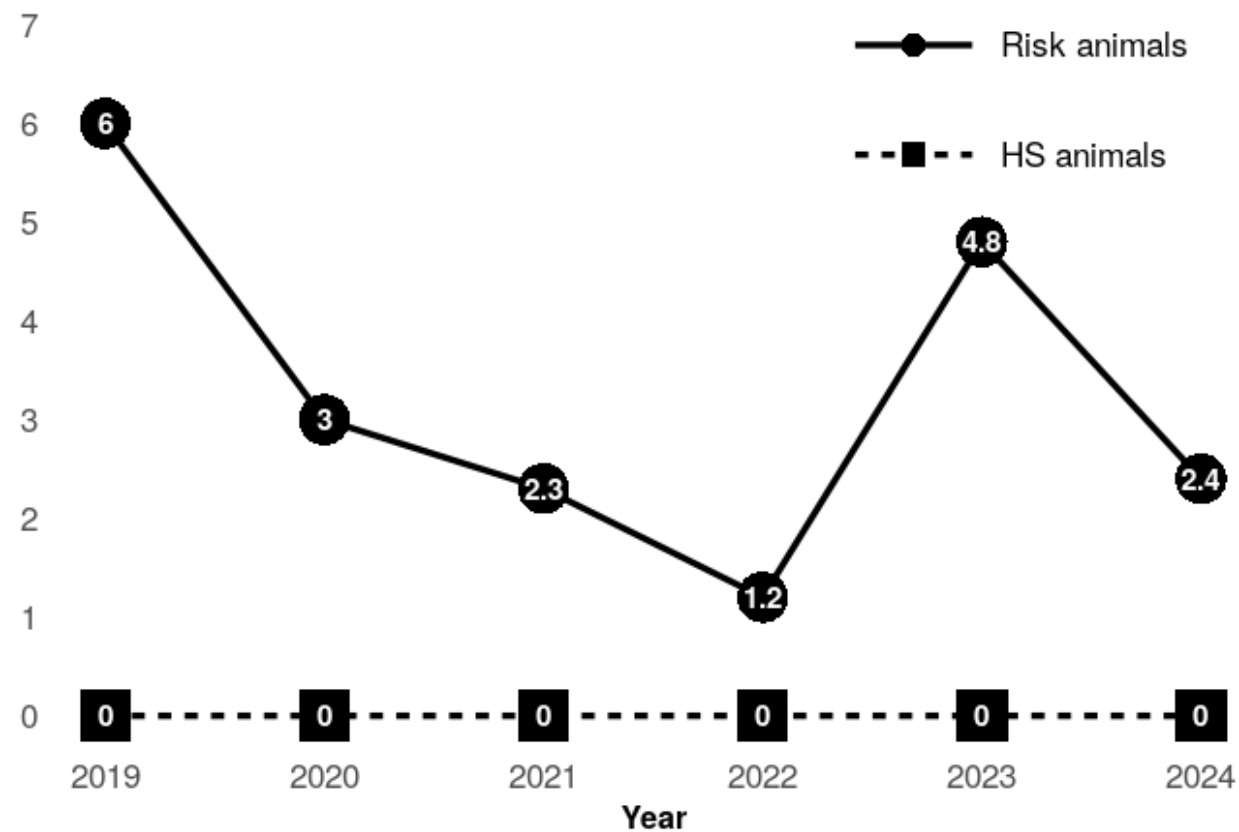
BOVINES – CASE DATA

Number of BSE cases per million tested bovines

L-BSE



H-BSE





SMALL RUMINANTS



SHEEP - TESTING DATA

EU27 & XI

- Total tested: 277, 064 - 2. 7% compared to 2023
- Target group: 52% NSHC

Non- EURCs

- Total tested: 25, 337 Iceland ++, North Macedonia, Norway ++, Serbia and Türkiye) ,
- Target group: 40. 7% NSHC



SHEEP – CASE DATA

EU27 & XI

Total cases: **458** - 80 compared to 2023

- 380 Classical Scrapie (83%)
- 78 Atypical Scrapie (17%)
- Index cases: 139 (30%) of all cases reported (61 CS and 78 AS;)

Non- EURCs

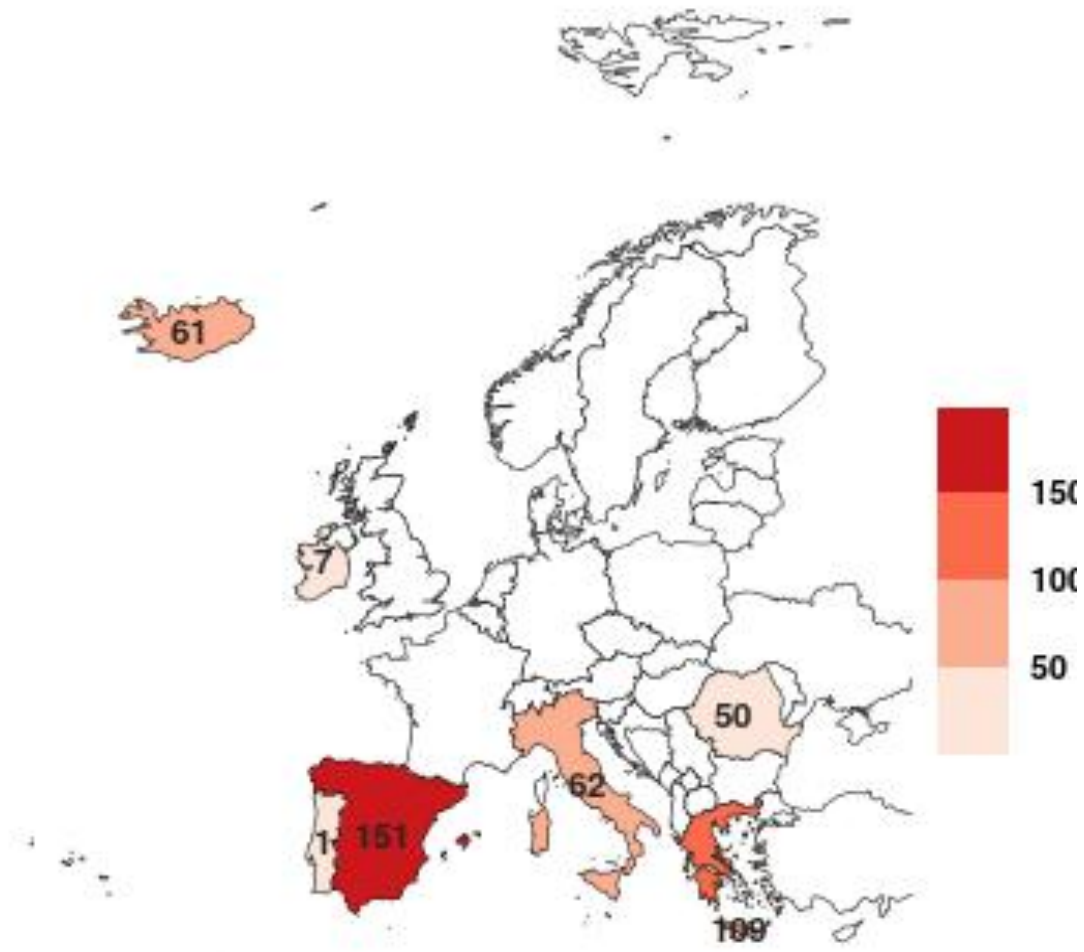
Total cases: **72**

- 61 CS (all from Iceland and non- Index Cases)
- 11 AS (Iceland and Norway, all Index Cases) .

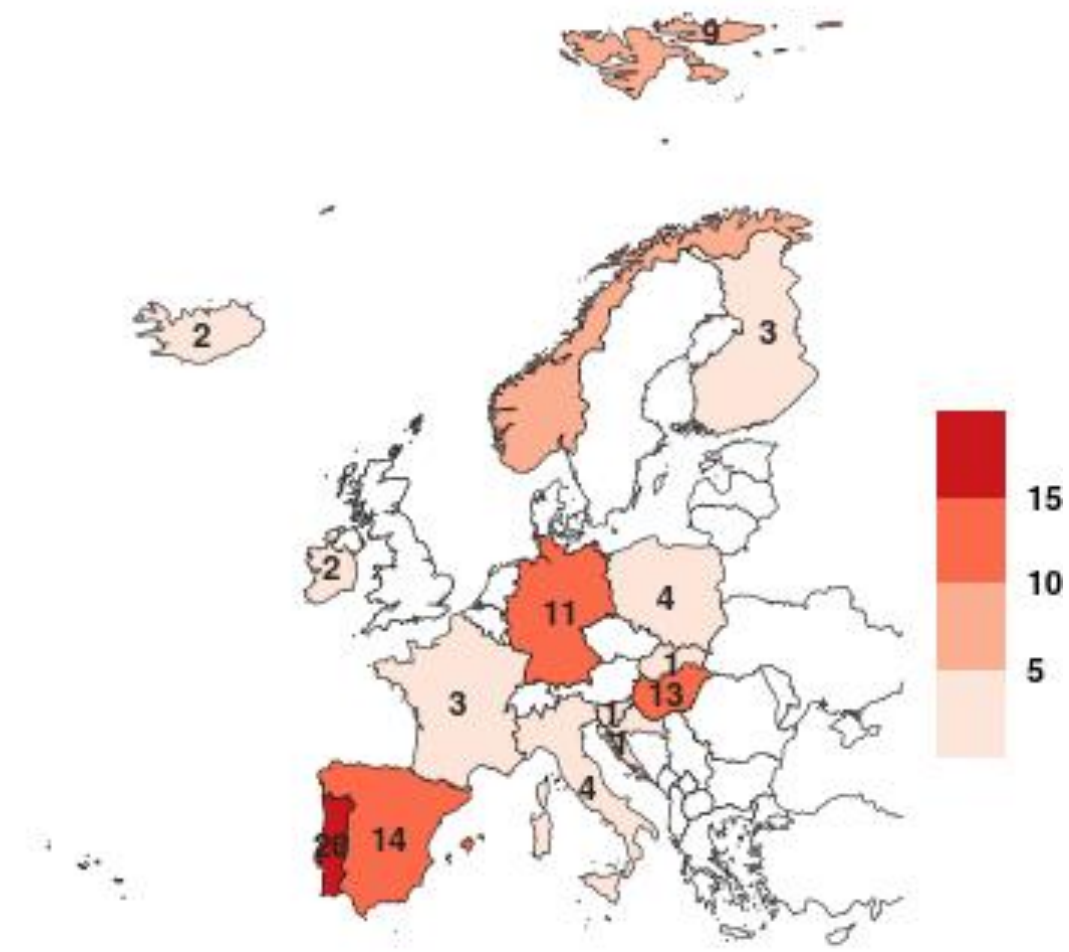


SHEEP – CASE DATA

Classical cases

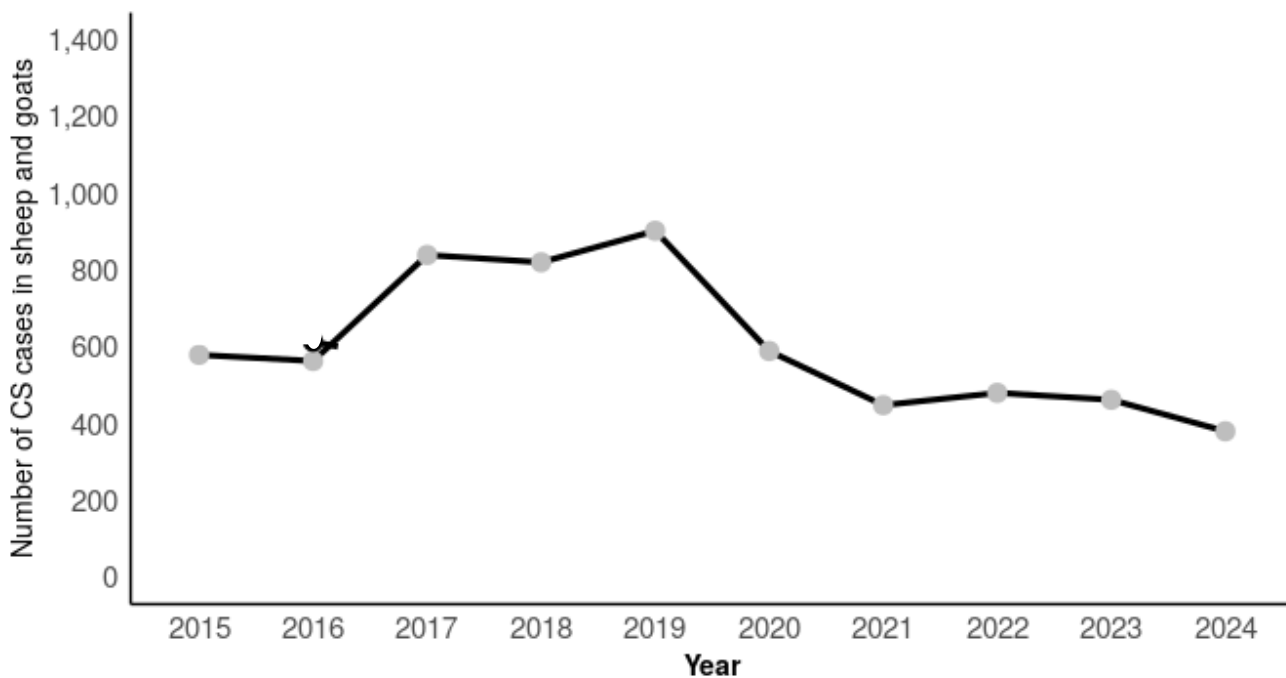


Atypical cases

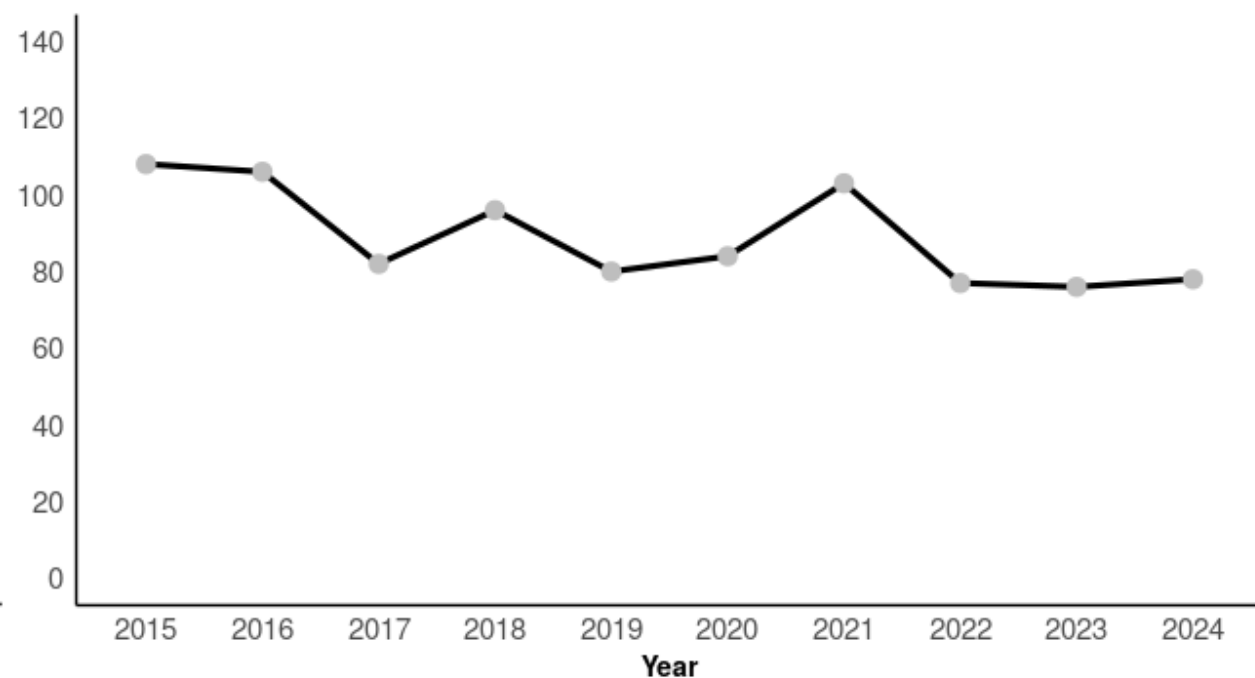


SHEEP – CASE DATA

Classical cases



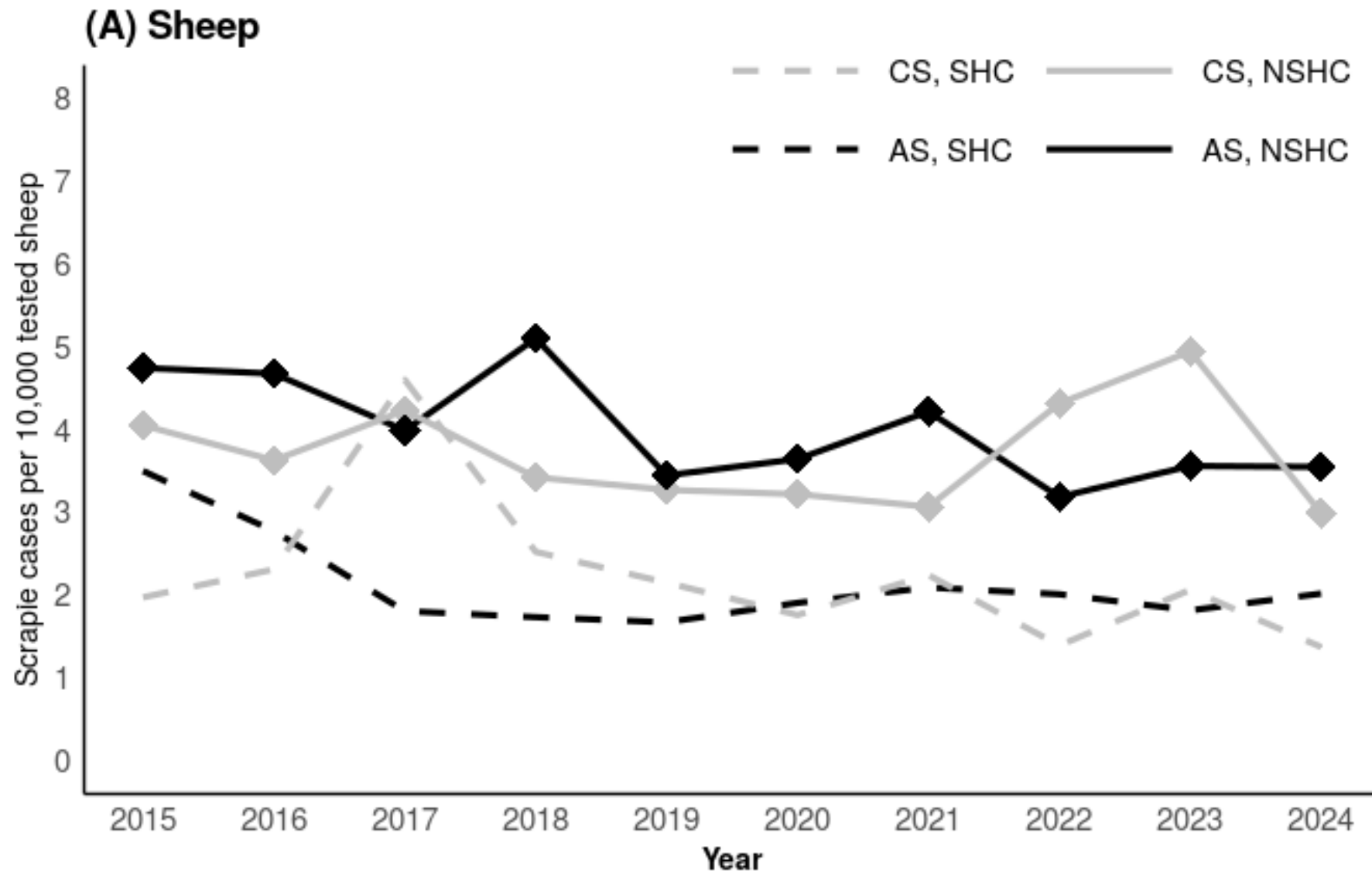
Atypical cases



- 10- year trends indicate a slight decrease in the annual caseload for both scrapie type (but no denominator data)



SHEEP – CASE DATA



- 10- year trends of prevalence: 4% annual decrease for AS only



GOATS – TESTING DATA

EU27 & XI

- Total tested: **93, 960** - 8. 5% compared to 2023
- Target group: focusing on non- infected flocks (active surveillance) ,
54. 3% NSHC

Non- EURCs

- Total tested: **637** from NO (629) , RS (8)
- Target group: 97. 6% NSHC



GOATS – CASE DATA

EU27 & XI

- Total cases: **71** - **112** compared to 2023 (183)
 - 65 CS (91. 5%)
 - 6 AS (8. 5%)
- Index cases: 28. 2% of all cases reported (14 CS (- -) and 6 AS)

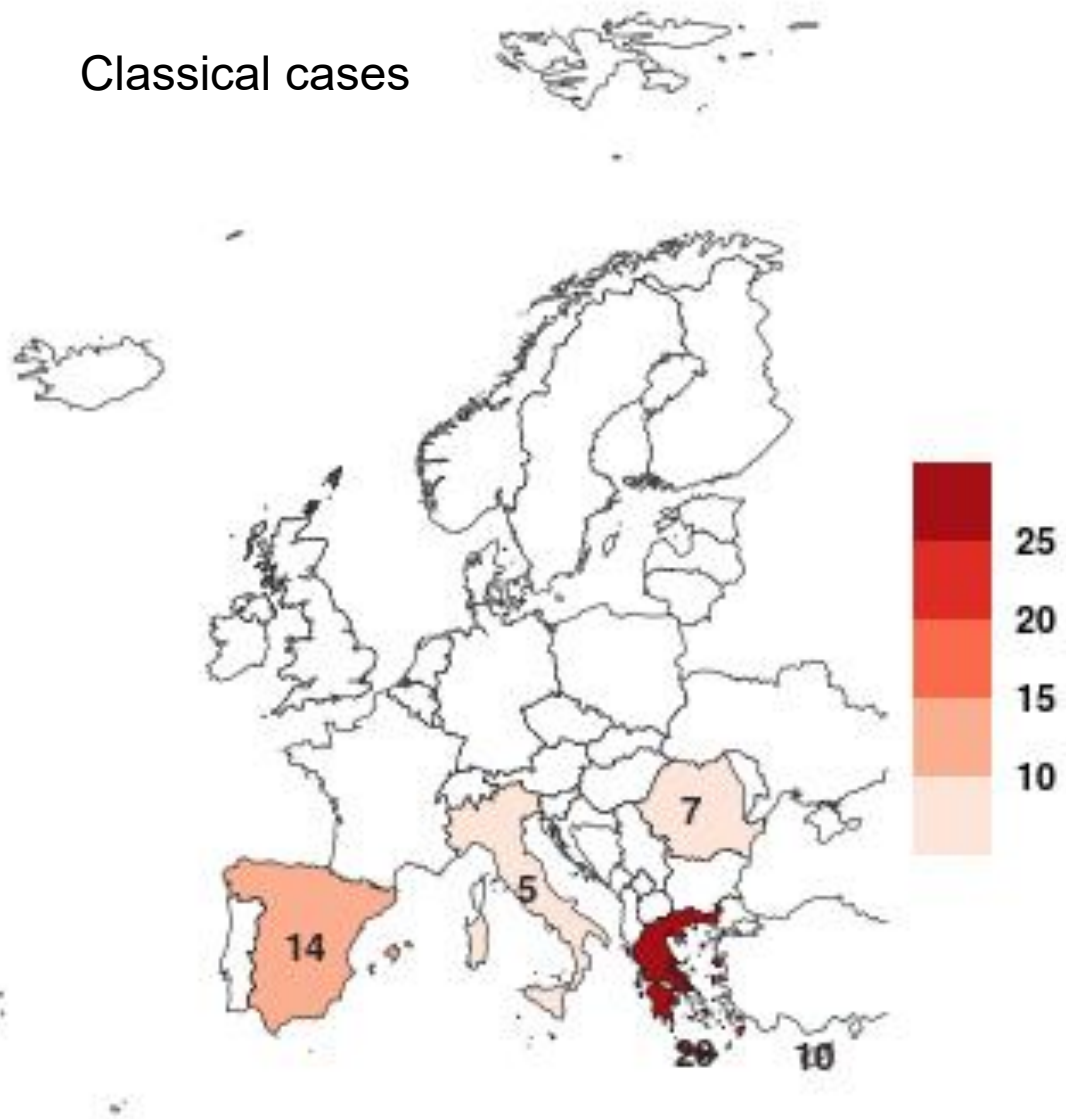
Non- EURCs

- No cases

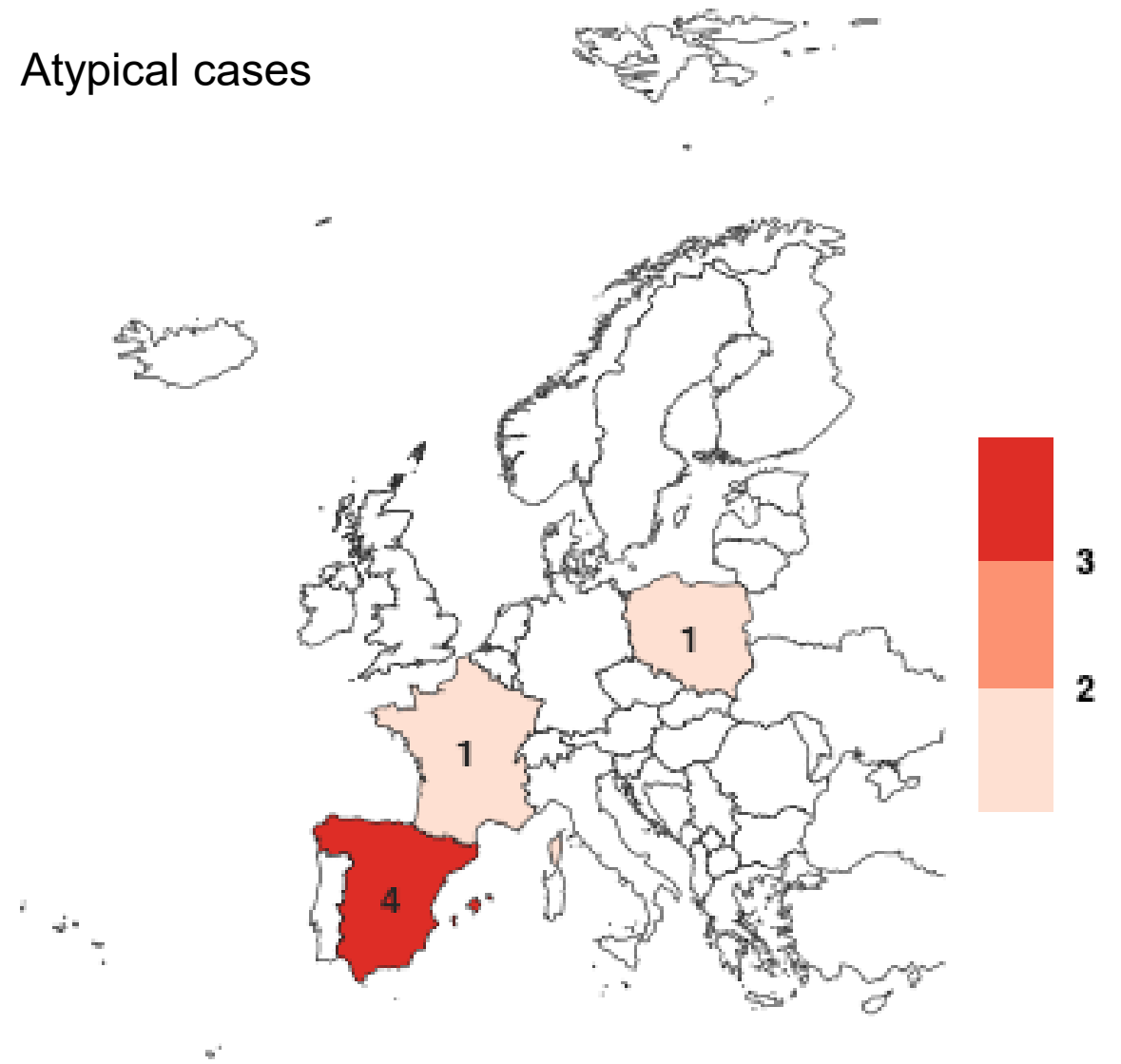


GOATS – CASE DATA

Classical cases

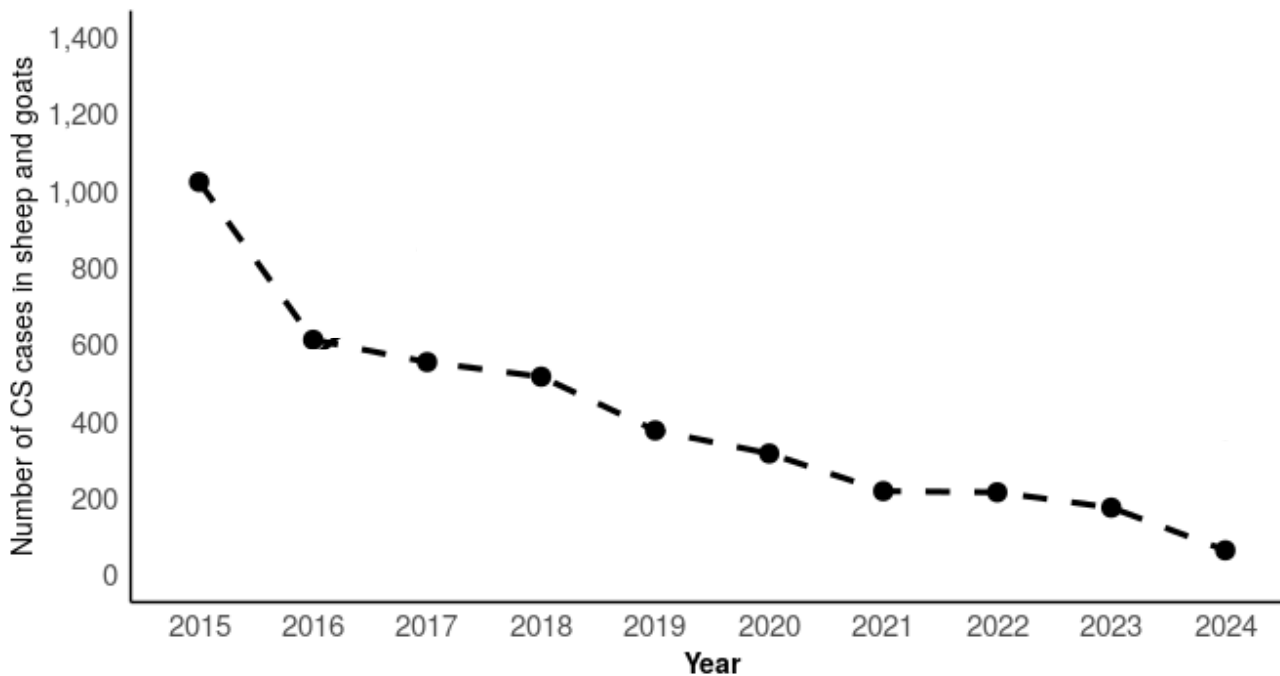


Atypical cases

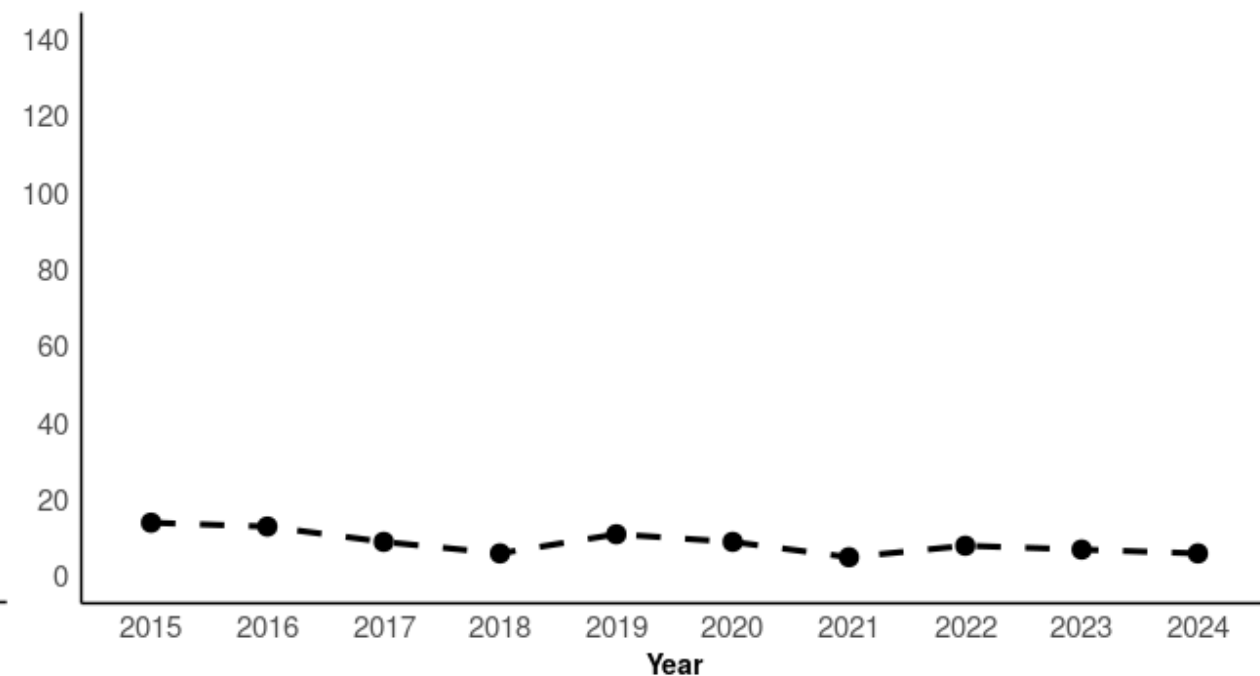


GOATS – CASE DATA

Classical cases



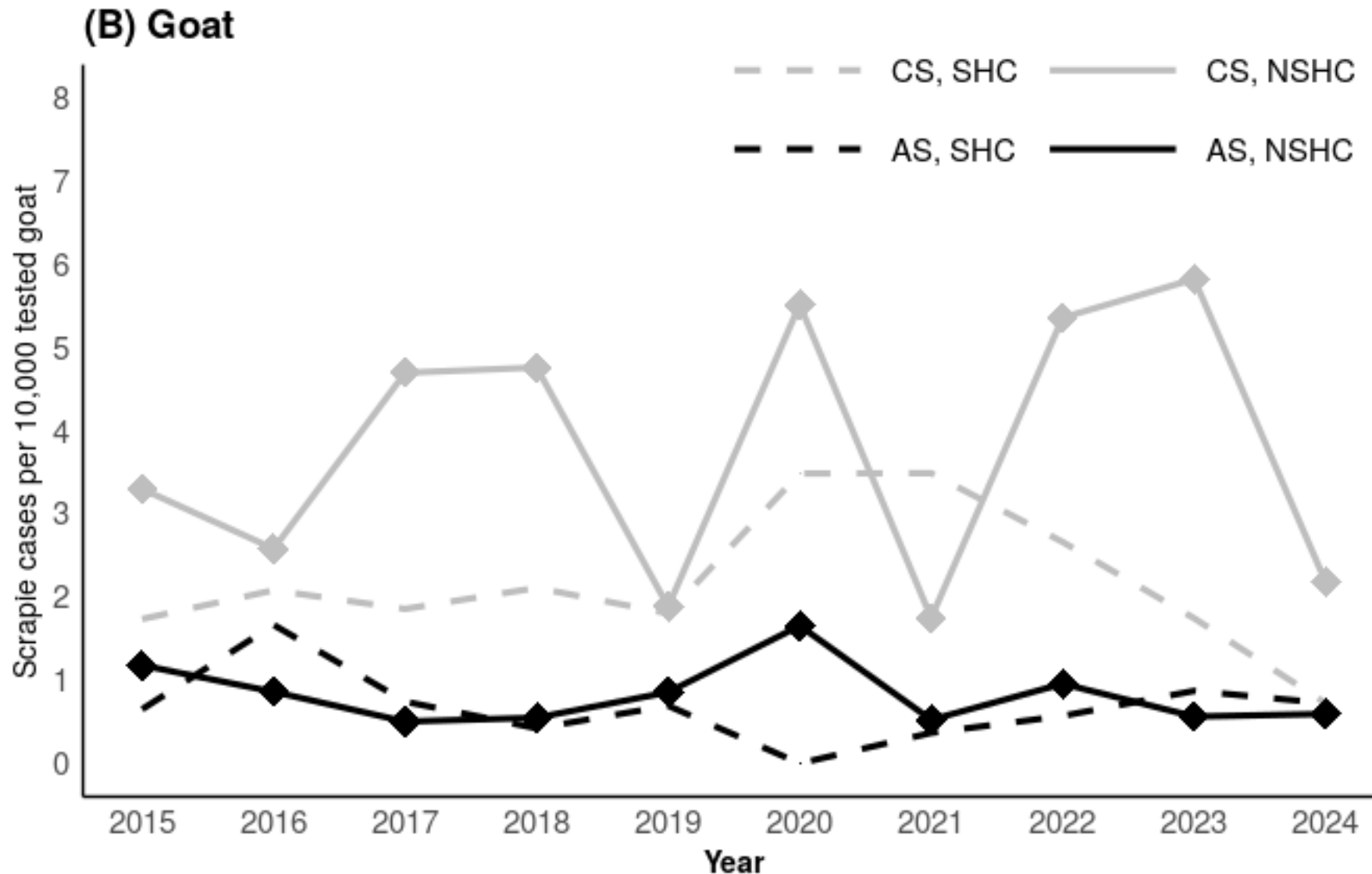
Atypical cases



- 10- year trends indicate a slight decrease in the annual caseload for both scrapie type



GOATS – CASE DATA



10- year trends of prevalence:

CS RR=1. 01, p= 0. 45

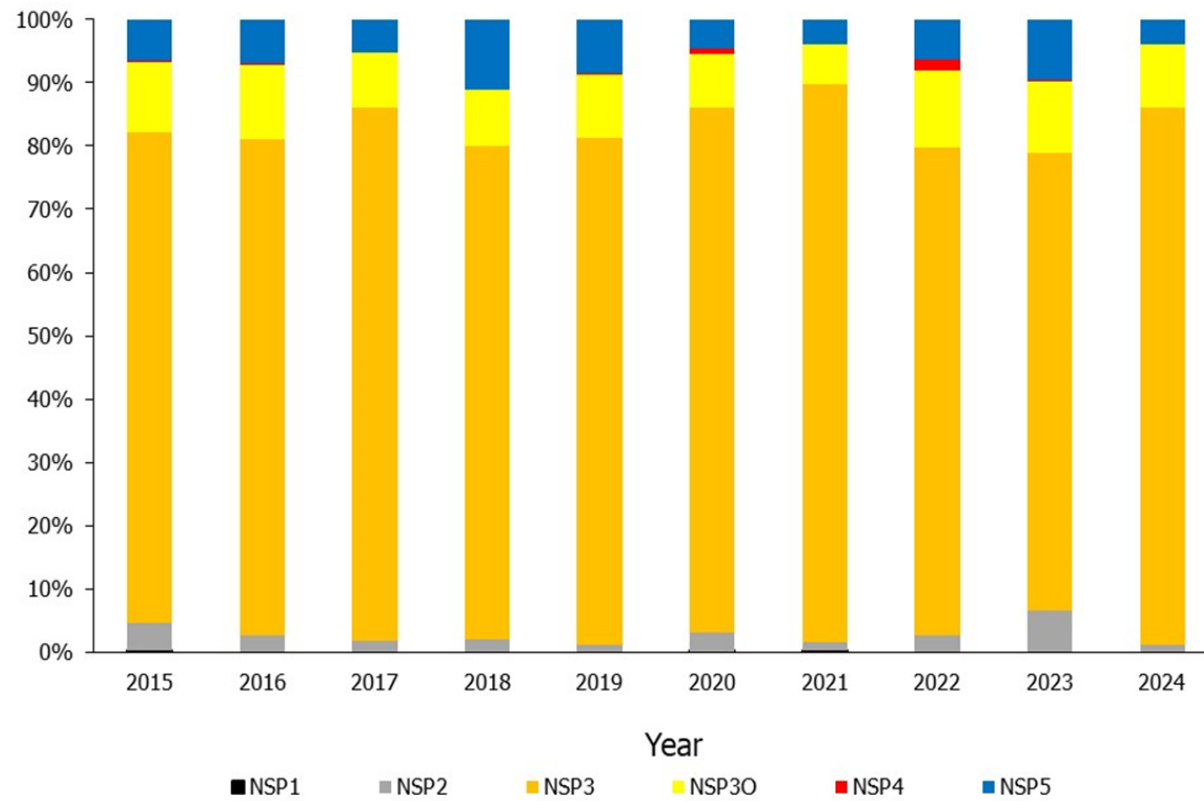
AS RR 0. 95, p= 0. 22



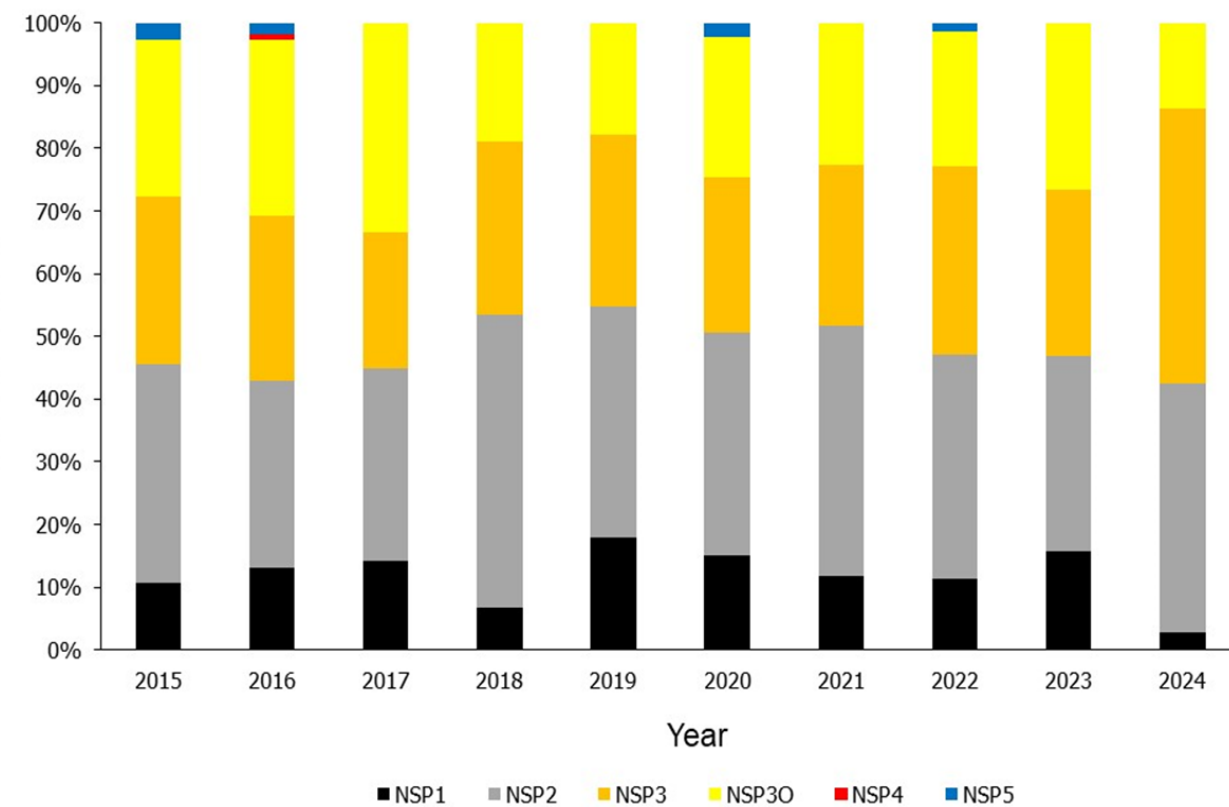
GENOTYPING – SHEEP CASES

N: 356 out of 380 CS cases

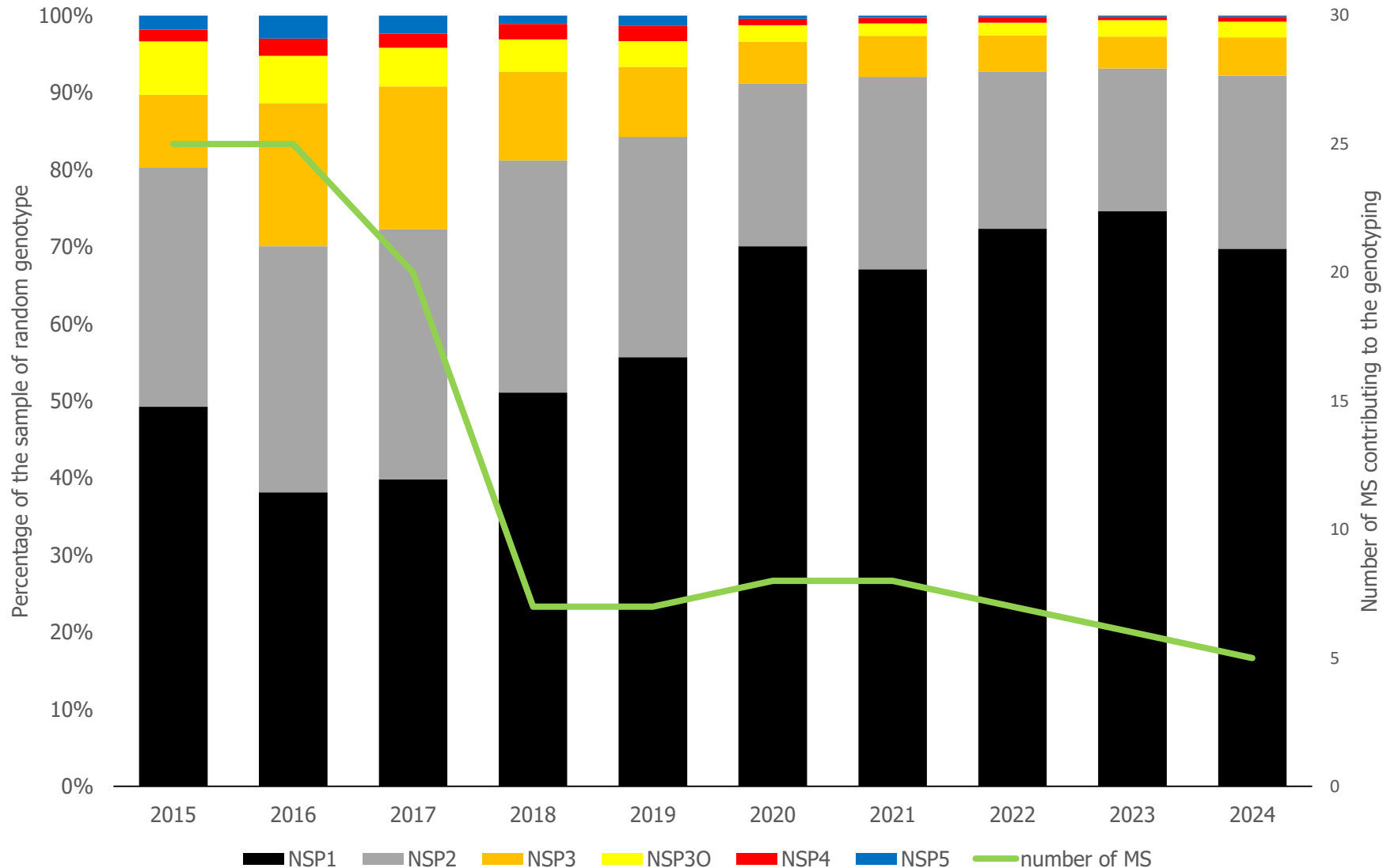
(B) CS cases



(A) AS cases



GENOTYPING – RANDOM SAMPLE



- 4,559 known genotypes from FR, DE, IT, NL, PL
- 7.8% were in the susceptible genotype groups NSP3-5 (19% in Italy, 7.3% in 2023)
- 69.8% were in the resistant genotype group NSP1 (73.7% in 2023)





CERVIDS



CERVIDS – TESTING & CASE DATA

EU27 & XI

- Total tested: 1, 761 by 9 MS (++ RO)
- Clear decrease: 5, 854 in 2021; 3, 202 in 2022; 2, 096 in 2023
- Target group: 85. 6%from the hunted/slaughtered fit for human consumption (HSHC)
- No cases reported

Norway

- Total tested: 10, 932 (17, 583 in 2022; 14, 224 in 2023)
- Target group: 74, 1% HSHC
- 2 cases in wild female moose as FC

Iceland 96 and Serbia 186



CONCLUSIONS

Bovines – BSE

- **Increased** overall testing and **testing of risk animals** → contributed to maintain a high sensitivity for the BSE surveillance system
- The reporting of atypical BSE cases was consistent with previous years
- The classical BSE cases identified in the UK in 2018, 2021, and 2024 indicate that bovine animals have been exposed to the **C- BSE agent after the reinforcement of the feed ban**



CONCLUSIONS

Small ruminants – scrapie

- Decrease in testing and case detections of Classical Scrapie notable in - Greece, Italy, Romania and Spain – and Cyprus for goats only
- Sheep - non- significant decreasing trend for CS (annual RR = 0. 98, p = 0. 05) , significant decreasing trend for AS (annual RR = 0. 96, p < 0. 001)



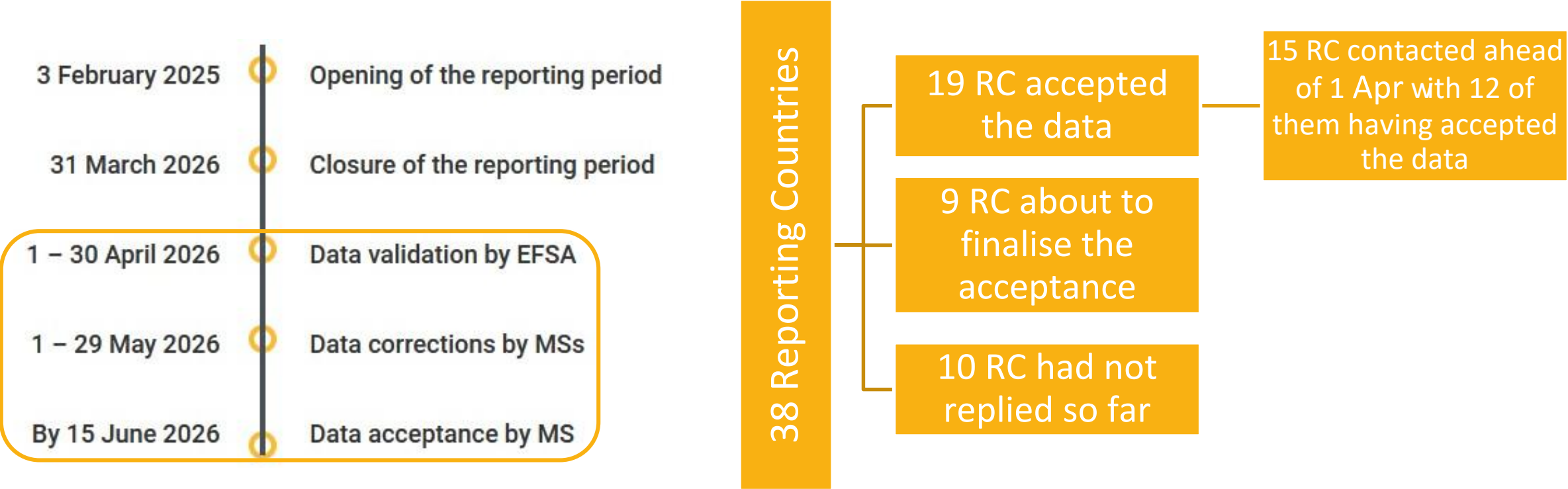
CONCLUSIONS

Cervids – CWD

- Caution is needed when interpreting the surveillance data as testing continued to decrease, with fewer MS contributing and monitoring focused on the HSHC



Deadlines for 2025 TSE data reporting and validation





Thanks to all colleagues
from **MSs & non-EURCs**
submitting TSE
surveillance data!!

#OpenEFSA

Thank you for the
attention!

