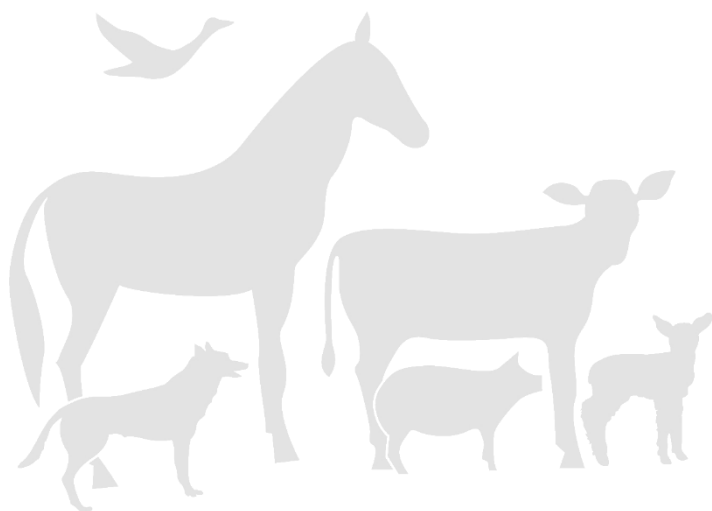


Newcastle Disease epidemic in Poland

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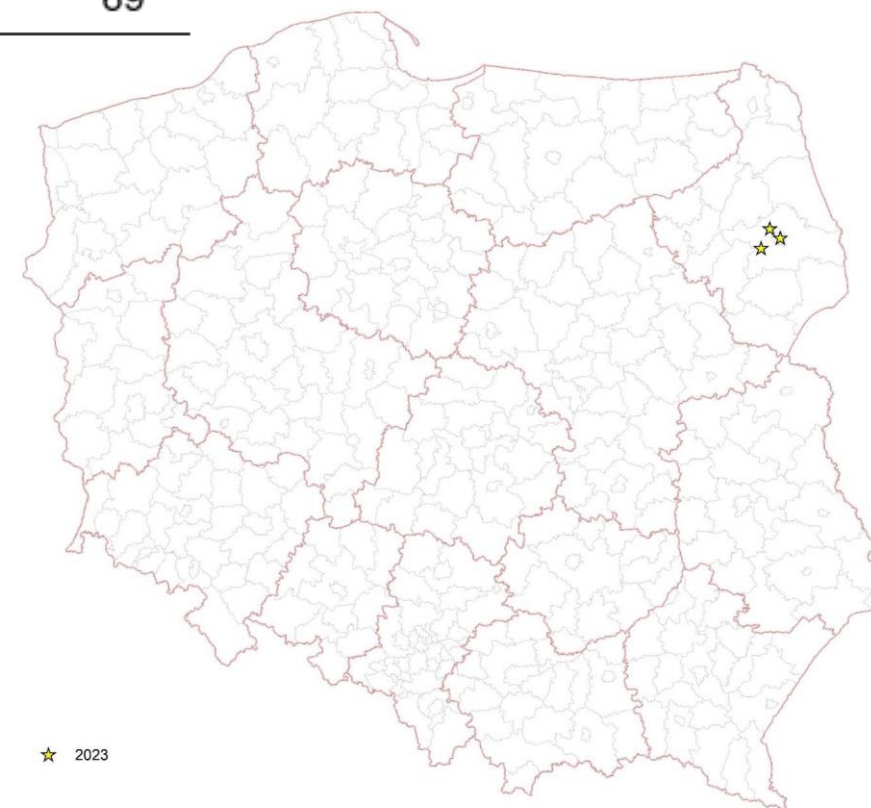


Newcastle disease in Poland

Poland enjoyed nearly 50 years of ND-free status ...

ND outbreaks in Poland 2023

No. of outbreak	date	category/species	age	vaccination	No. of birds
1/2023	8 th July	chicken broilers	32 d.	no	44 020
2/2023	14 th July	general-purpose hens	11, 21 & 73 w.	Yes (2x)	3 050
3/2023	19 th July	chicken broilers	38 d.	no	27 700
4/2023	19 th July	general-purpose hens	different	no	69

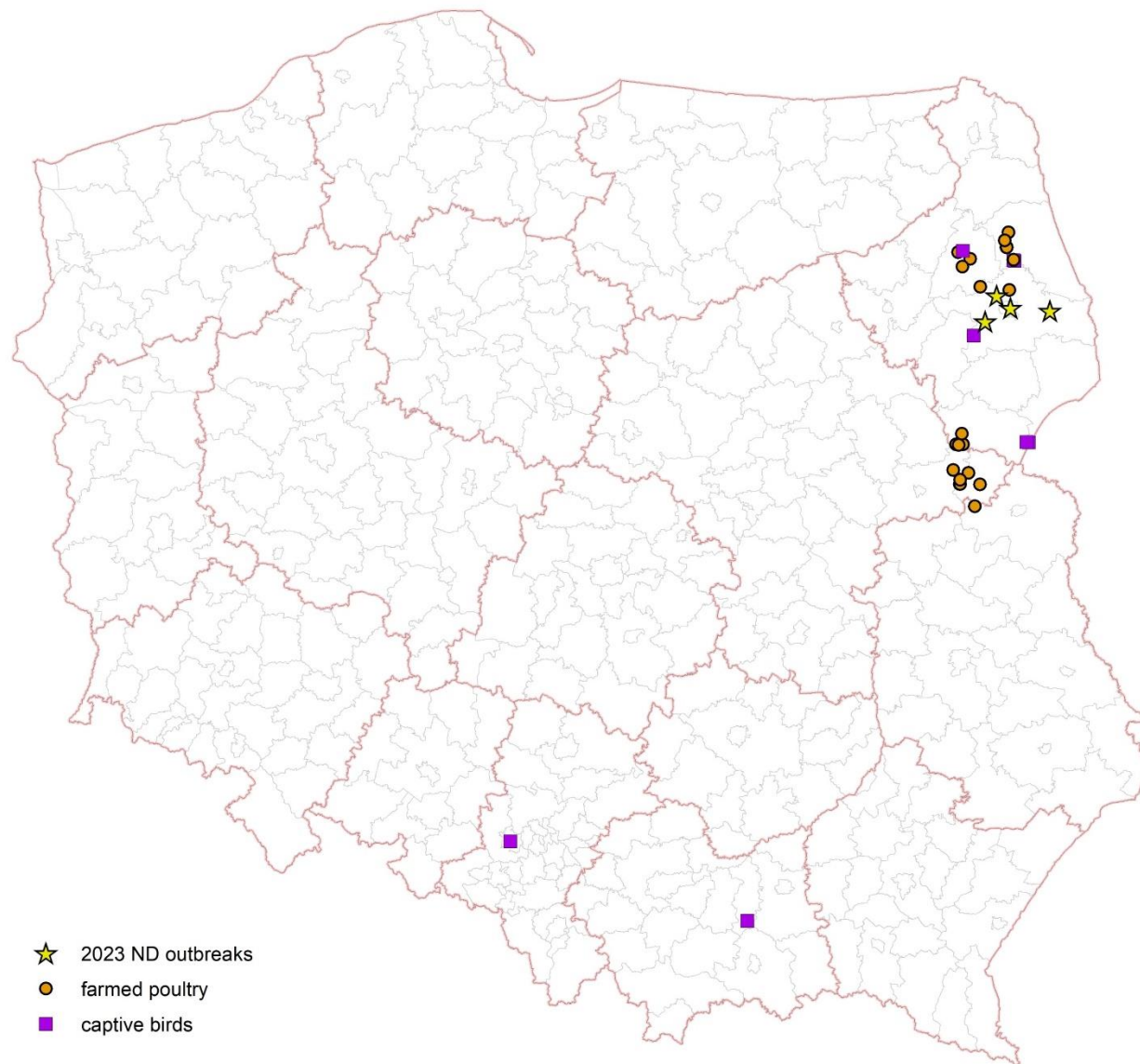


ND outbreaks in Poland 2023 – action taken

- According to AHL:
 - culling of birds in infected flocks,
 - disposal of carcasses,
 - cleaning and disinfection of poultry houses,
 - establishment of protection (Ø 3 km) and surveillance zones (Ø 10 km) around outbreaks
- obligatory ND vaccination in Podlaskie province
~200 flocks/1,2 mln of chicken and turkeys

ND outbreaks in Poland 2024

- **21** outbreaks in farmed poultry
 - broiler chickens (n=19)
 - free-range laying hen (n=2)localization - 3 provinces:
 - podlaskie n=14
 - mazowieckie n=6
 - lubelskie n=1
- **8** outbreaks in captive birds in 3 provinces:
 - podlaskie n=6
 - małopolskie n=1
 - śląskie n=1 (racing pigeons)



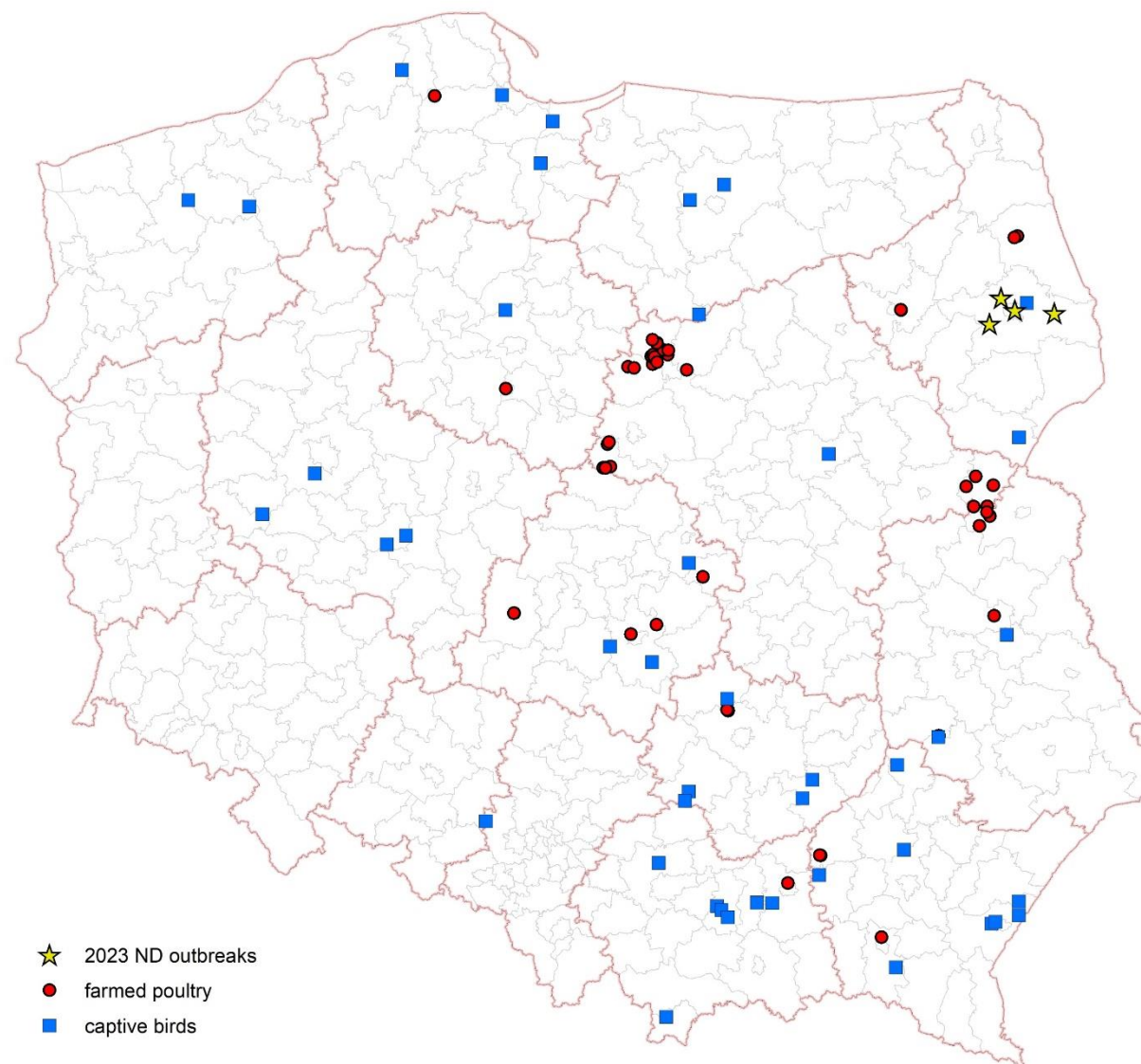
ND outbreaks in Poland 2025 (13.10.2025)

- **47** outbreaks in farmed poultry

- broiler chickens (n=32)
- genral-purpose hen (n=7)
- breeding hen (n=3)
- laying hen (n=2)
- fattening turkeys (n=3)

8 provinces:

- mazowieckie n=24
- lubelskie n=6
- łódzkie n=5
- podkarpackie n=4
- podlaskie n=3
- pomorskie n=2
- świętokrzyskie n=2
- kujawsko-pomorskie n=1

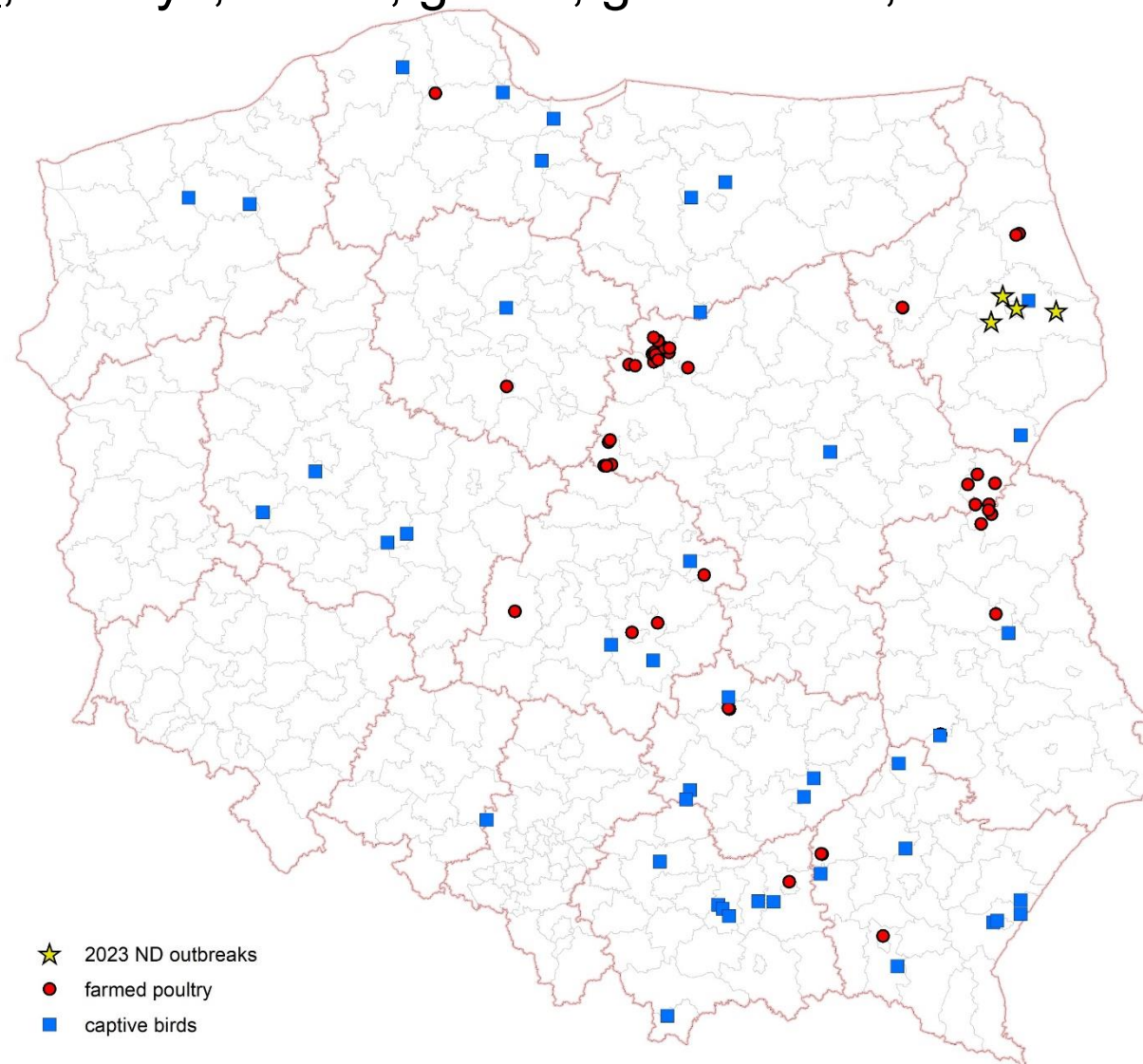


ND outbreaks in Poland 2025 (13.10.2025)

- **43** outbreaks in captive birds (chickens, turkeys, ducks, geese, guinea fowl, pigeons)

13 provinces:

- podkarpackie n=8
- **małopolskie** n=7
- świętokrzyskie n=5
- pomorskie n=4
- **wielkopolskie** n=4
- łódzkie n=3
- **warmińsko-mazurskie** n=3
- lubelskie n=2
- podlaskie n=2
- **zachodniopomorskie** n=2
- kujawsko-pomorskie n=1
- mazowieckie n=1
- **śląskie** n=1



ND outbreaks in Poland 2023-2025

outbreaks in farmed poultry:

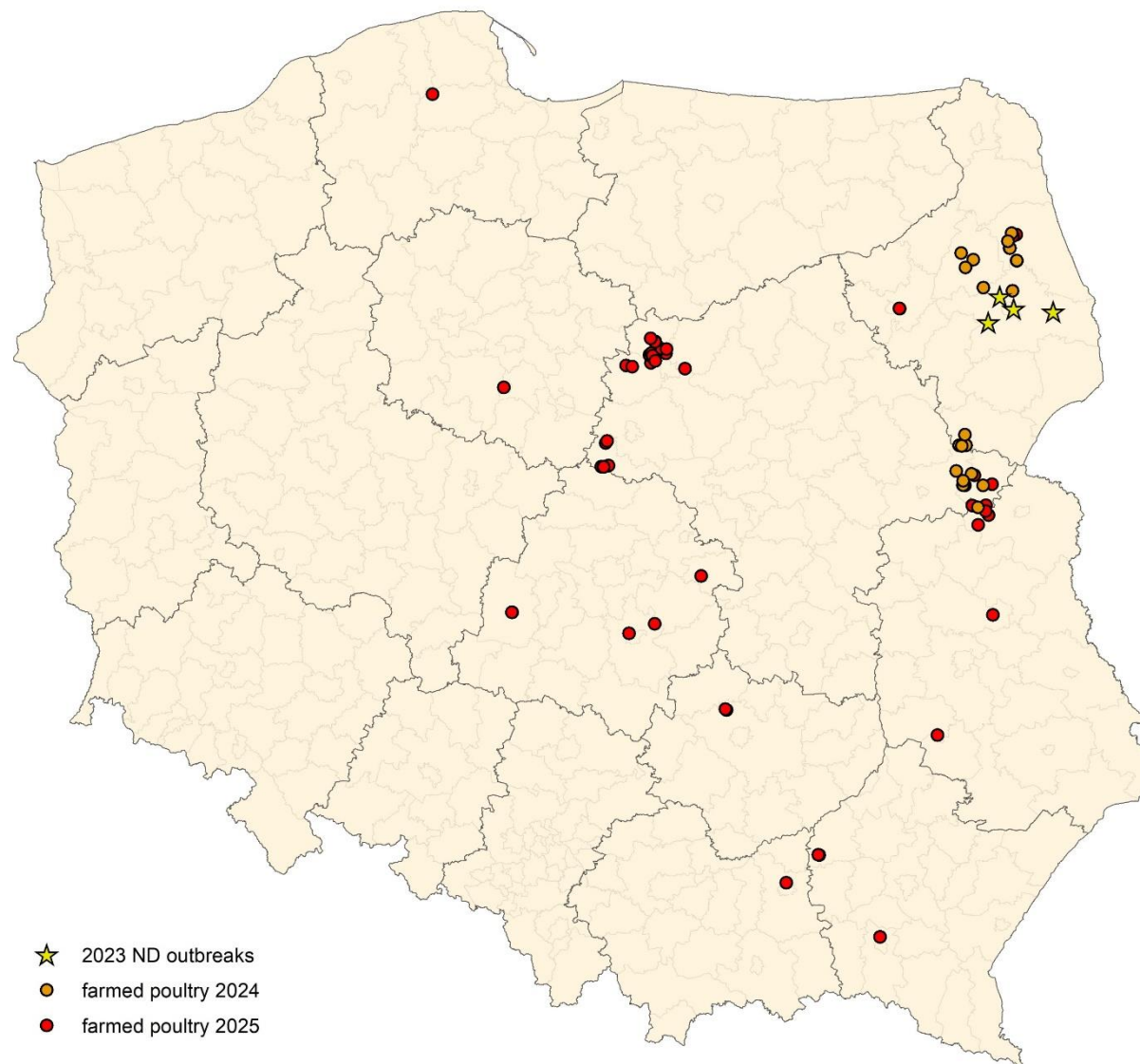
- 2023: 3
- 2024: 21
- 2025: 47

total: **71 outbreaks**

economic losses:

- 2023: 74 800
- 2024: 2 736 000
- 2025: 4 664 000

total: **7 475 000 birds**



ND outbreaks in Poland 2023-2025

outbreaks in captive birds:

– 2023: 1

– 2024: 8

– 2025: 43

total: **52 outbreaks**

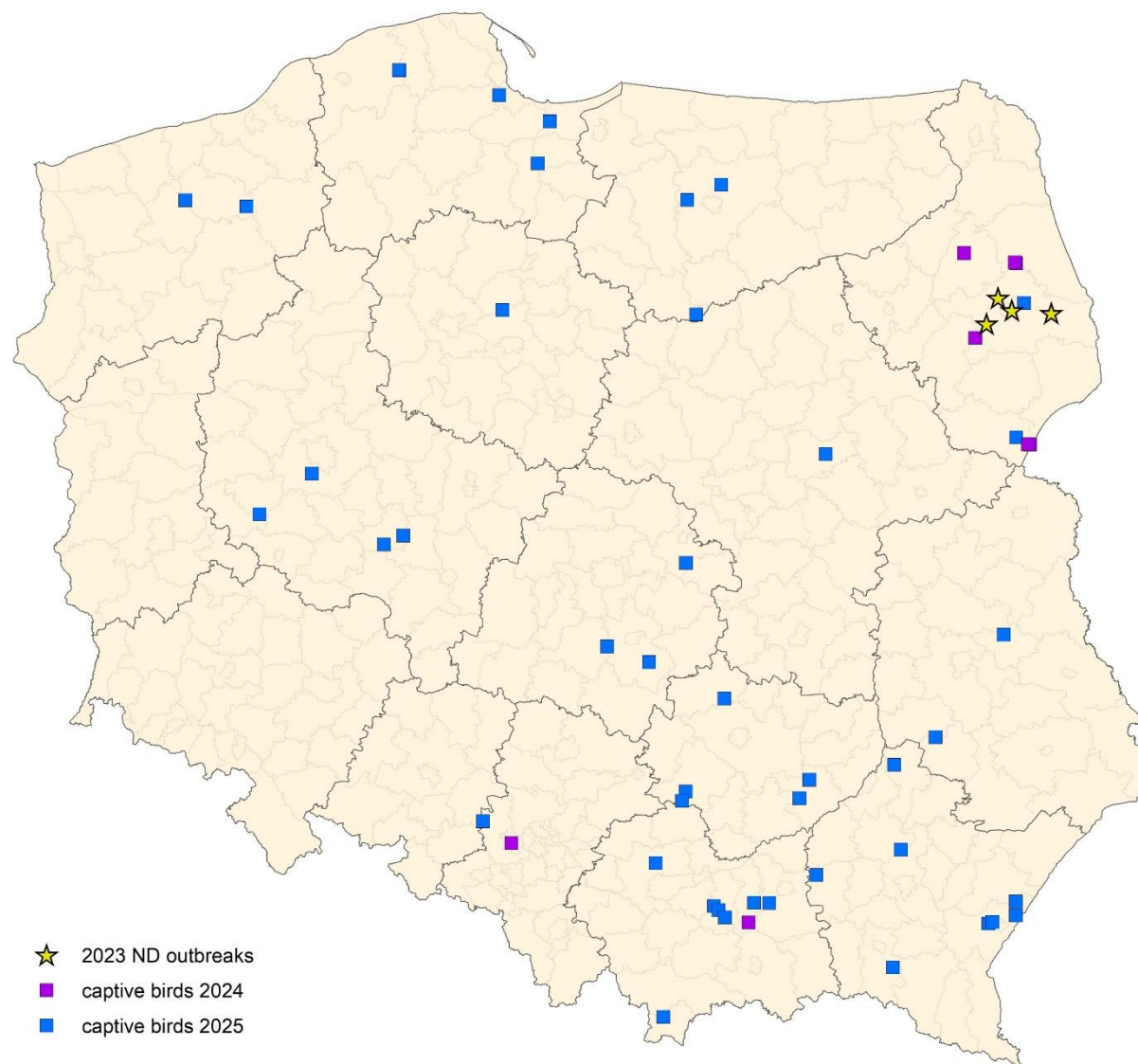
economic losses:

– 2023: 69

– 2024: 308

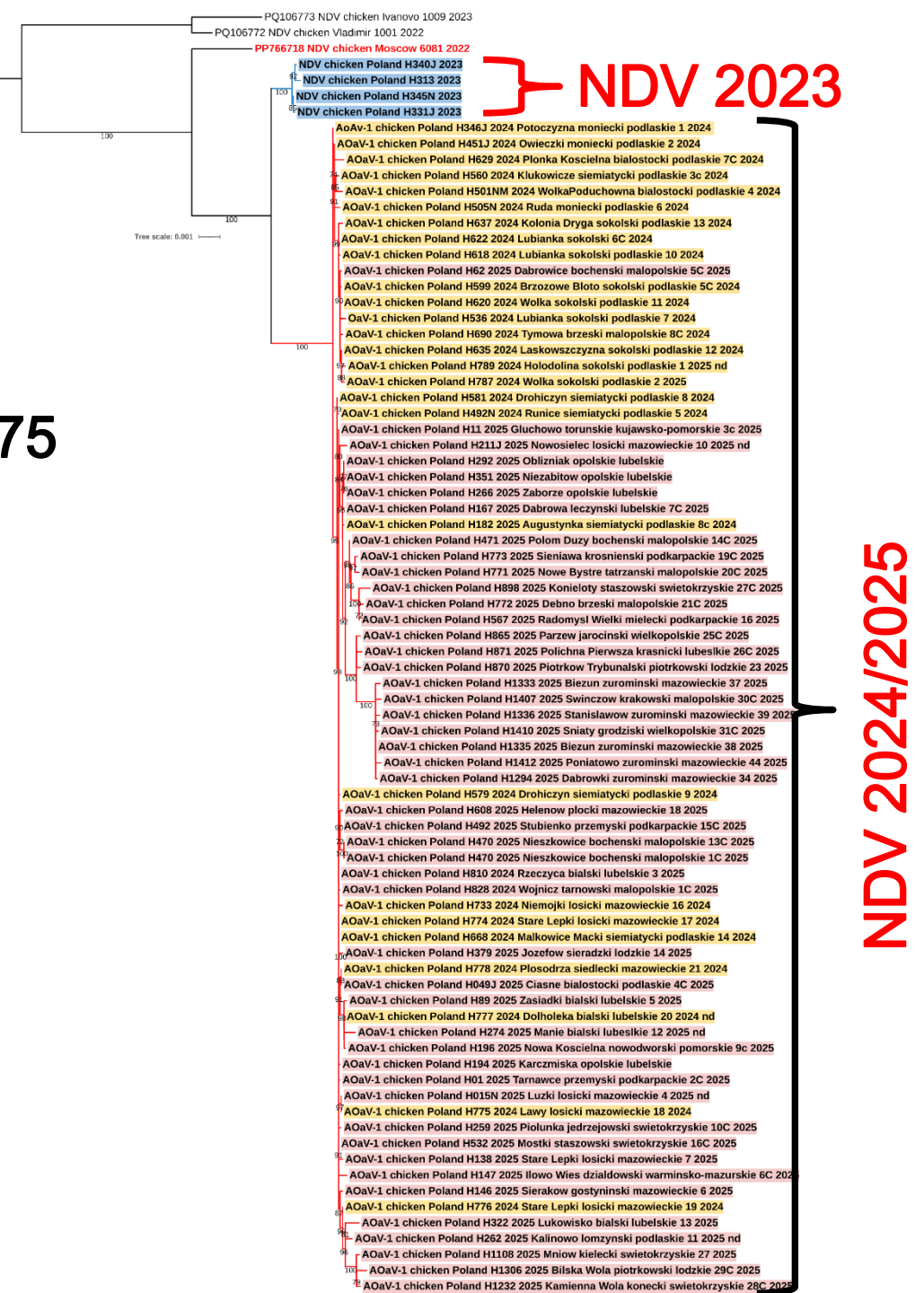
– 2025: 2 081

total: **2 458 birds**



NDV genetic analysis

- genotype VII.1.1
- velogenic neurotropic NDV
Intracerebral pathogenicity index (ICPI) = 1.875
- two independent NDV introductions into the Poland:
 - July-August 2023
 - September 2024
 mostly related to viruses from Russia



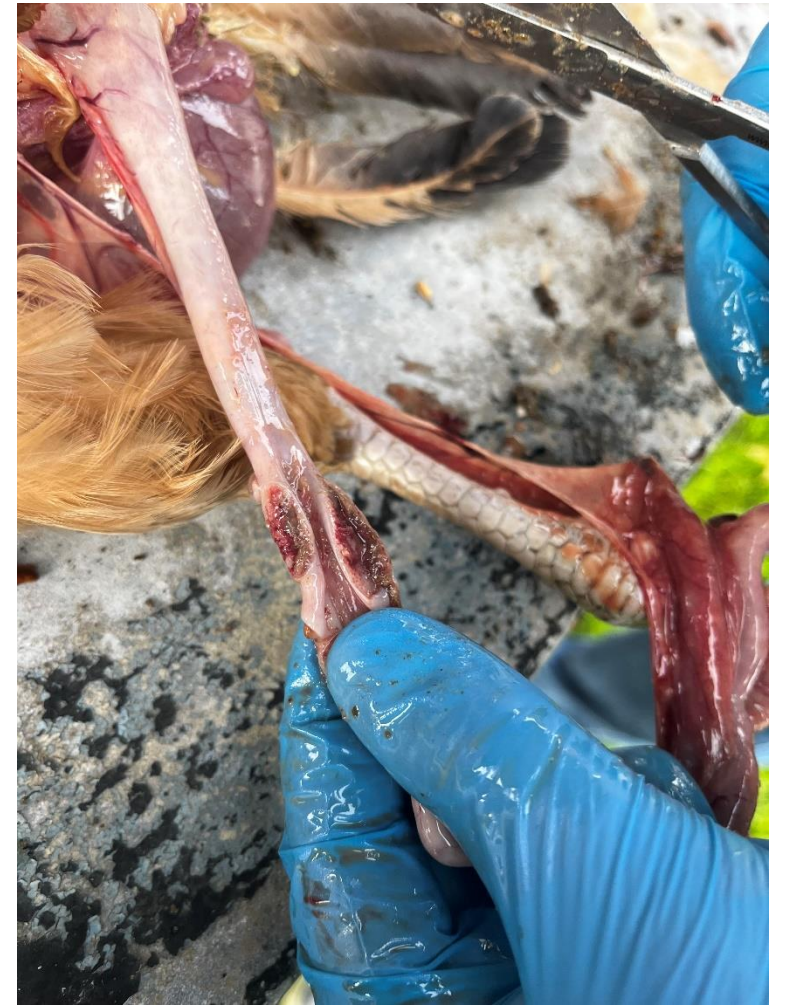
NDV outbreaks – clinical symptoms



NDV outbreaks – clinical symptoms



NDV outbreaks – anatomopathological



NDV outbreaks – vaccination response

NDV outbreaks – vaccination response

Outbreak 29/2025 (2025-05-27, broiler chickens, 33-day-old):

Vaccination schedule:

1d. (hatchery) - Nobilis NDC2 (spray)

14d. Nobilis Ma5+Clone30 (water)

- increased mortality
- torticollis
- rhinorrhea

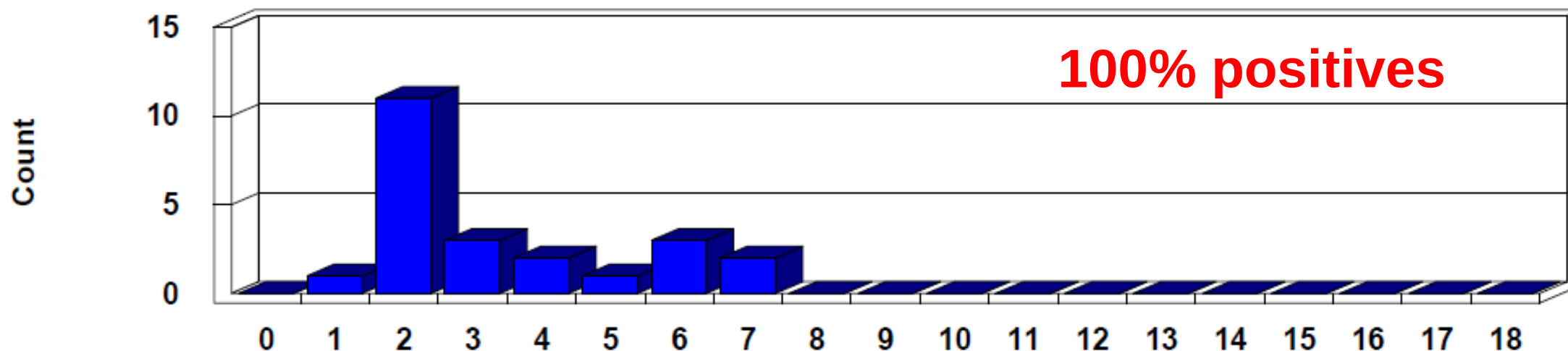
Production Animal Services
IDEXX Laboratories, Inc
Westbrook, ME 04092
2025-05-29



Analyze Case Report

Count: 23 GMean: 2280 Mean: 2839 SD: 1935 %CV: 68,2 Min: 837 Max: 6701 Tech: PS Date: 29 Dil: 1:500

DWW/474(1-23)/G - NDV



NDV outbreaks – vaccination response

Outbreak 40/2025 (2025-07-10, breeding hen, 7 weeks of age):

Vaccination schedule:

1d. (hatchery) – Innovax ND+ILT (injection)

4w. Nobilis NDC2 (spray)

- increased mortality

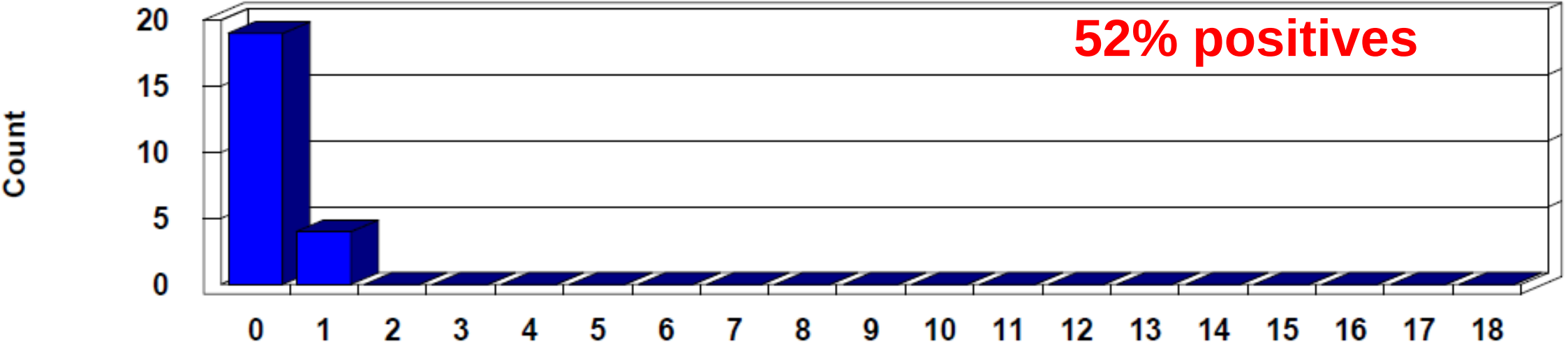
Production Animal Services
IDEXX Laboratories, Inc
Westbrook, ME 04092
2025-07-16



Analyze Case Report

Count: 23 GMean: 97 Mean: 217 SD: 224 %CV: 103,0 Min: 1 Max: 819 Tech: PS Date: 16 Dil: 1:500

DWW/625(1-23)/G - NDV

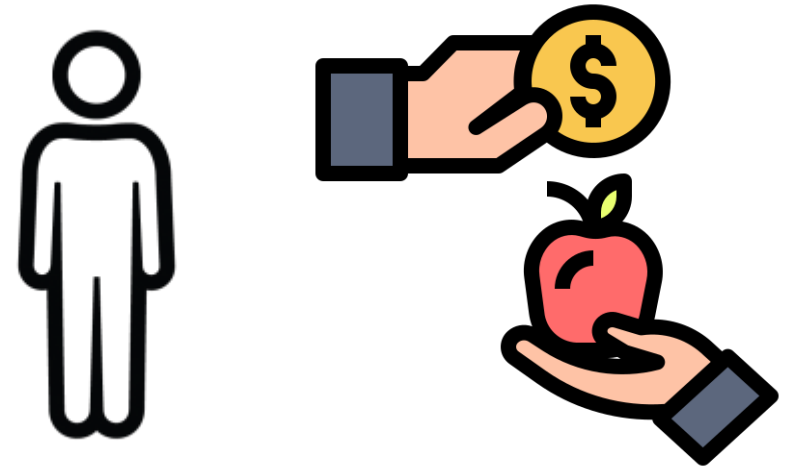


NDV outbreaks – source of infection

Wild birds



Humans / trade



NDV expansion 2024/2025 - causes



mandatory (May 2025)!

Thank you for your attention!

