

Avian influenza

Epidemiological situation in Poland



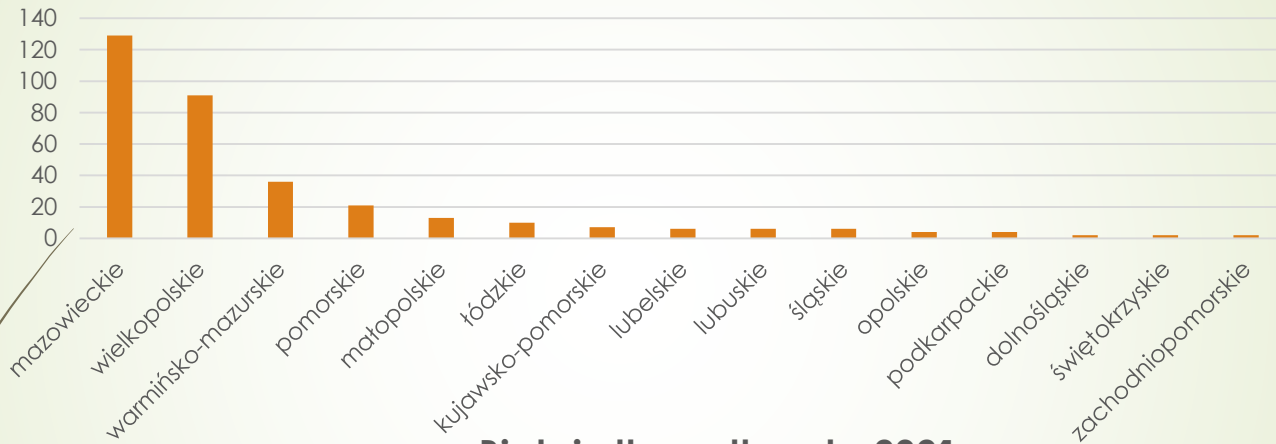
General Veterinary Inspectorate
22.09.2021

Epidemiological situation in poultry in 2021

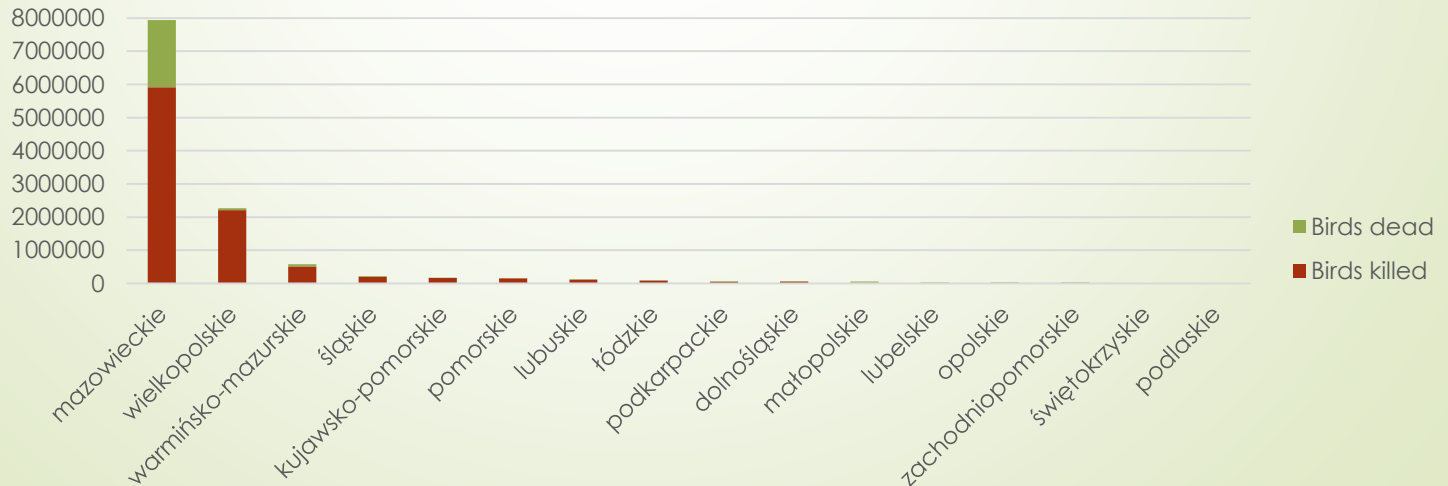
Voivodeship	Outbreaks number	Birds number
Dolnośląskie	2	57 154
Kujawsko-pomorskie	7	168 882
Lubelskie	6	31 152
Lubuskie	6	114 320
Łódzkie	10	95 558
Małopolskie	13	53 739
Mazowieckie	129	7 943 928
Opolskie	4	23 327
Podkarpackie	4	65 203
Podlaskie	0	0
Pomorskie	21	157 002
Śląskie	6	218 149
Świętokrzyskie	2	97
Warmińsko-mazurskie	36	583 245
Wielkopolskie	91	2 264 228
Zachodniopomorskie	2	19 463
Summary	339	11 795 447

Epidemiological situation in poultry in 2021

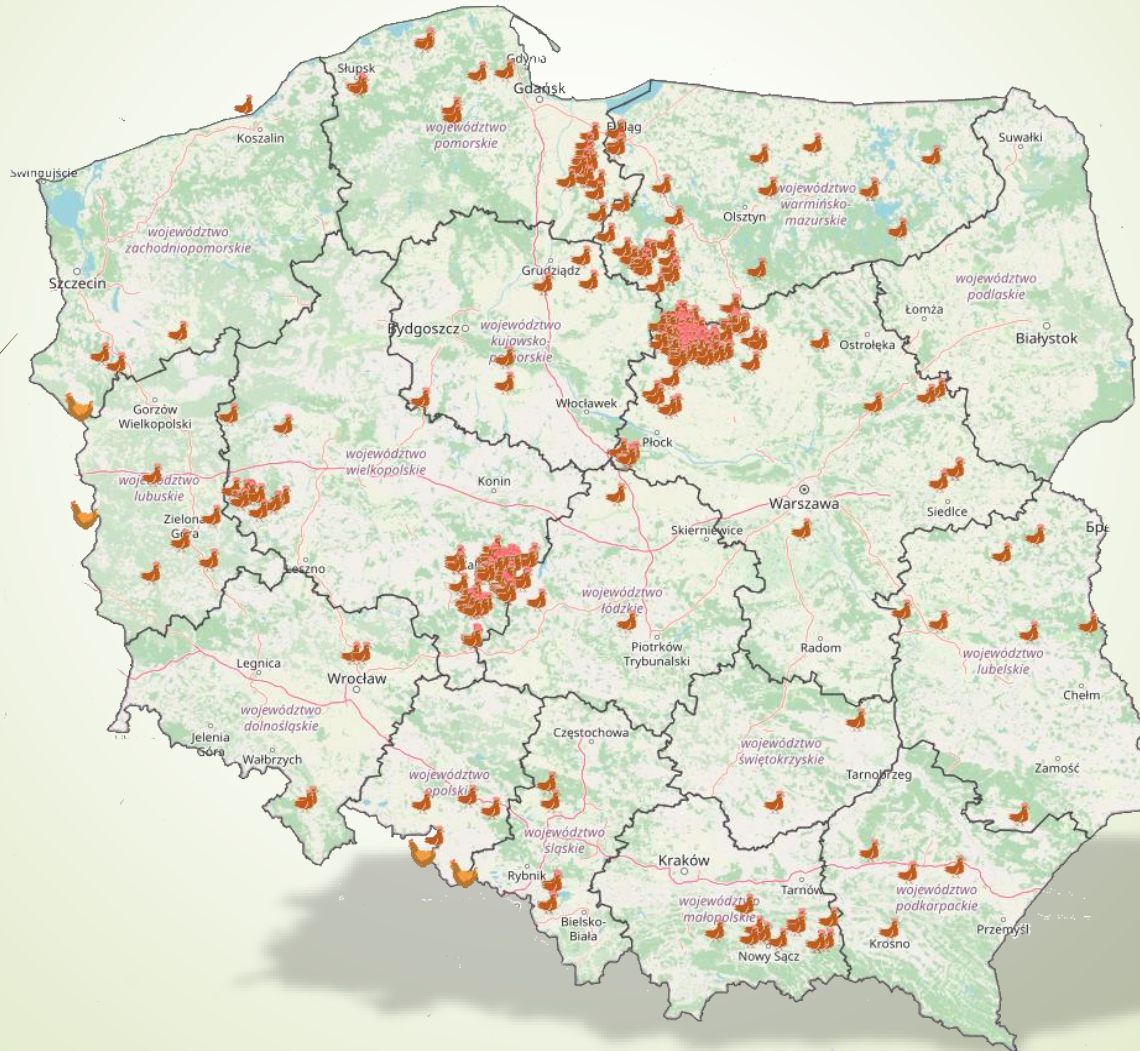
Number of outbreaks 2021



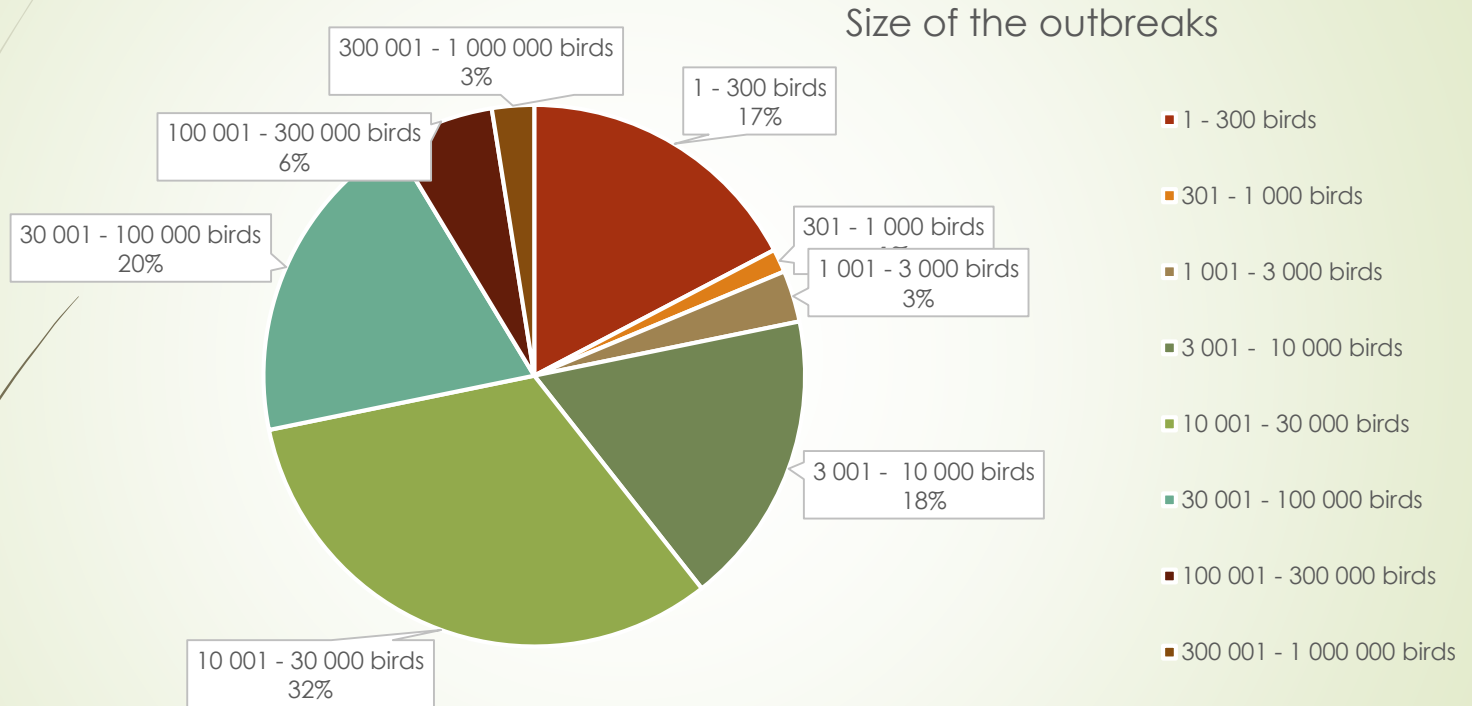
Birds in the outbreaks 2021



Location of HPAI outbreaks in poultry in 2021



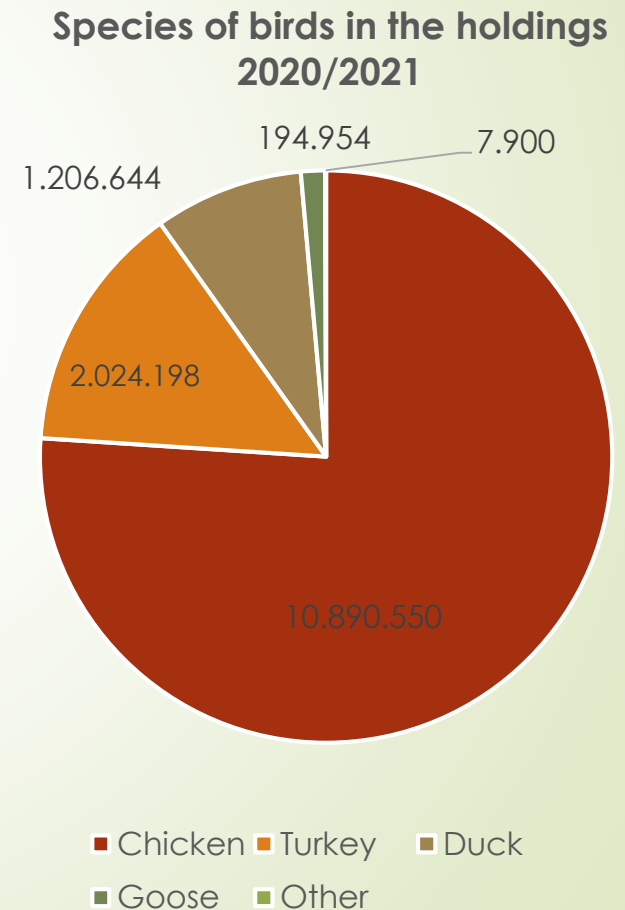
HPAI outbreaks structure



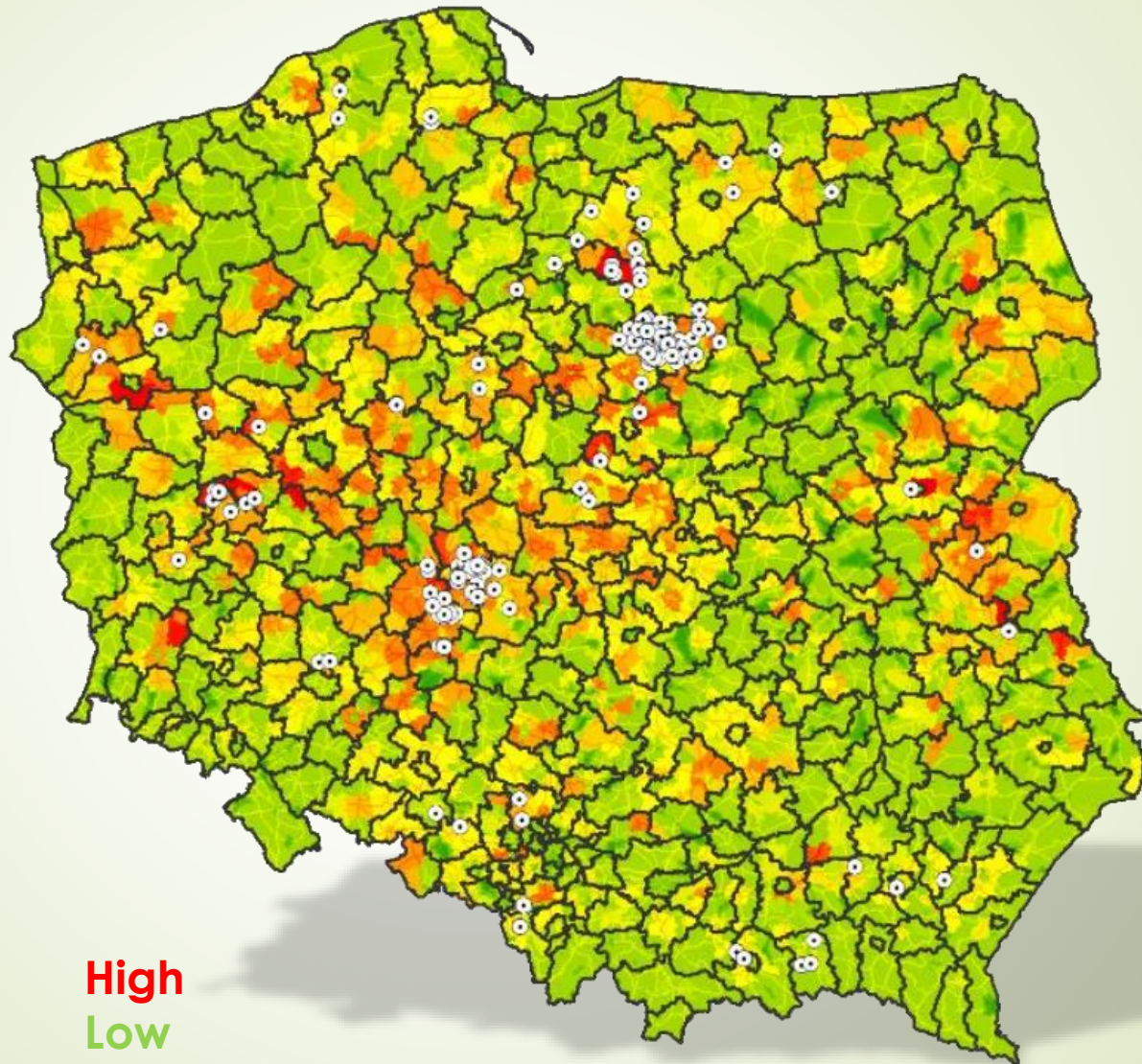
Type of holdings	commercial	backyard
number	280	59
type of outbreaks	primary	secondary
number	260	79

Type of poultry kept in the affected holdings

Species/type	Outbreaks number	Birds number
Chicken breeders	46	1 734 108
Chicken broilers	17	2 941 457
Laying hens	44	3 812 875
Chickens general-type	11	273 050
Chickens	69	4 994
Turkey breeders	0	0
Slaughter turkeys	68	1 673 495
Turkeys	2	34
Duck breeders	10	122 948
Slaughter ducks	74	982 885
Ducks general-type	2	47 057
Ducks	24	296
Goose breeders	7	31 832
Slaughter geese	17	158 787
Geese general-type	1	3 530
Geese	7	199
Guinea fowl	11	4 767
Pigeons	3	106
Pheasants	1	3 017
Partridges	0	0
Quails	1	4
Peacocks	1	6
Summary 2021		11 795 447



High risk areas with outbreaks

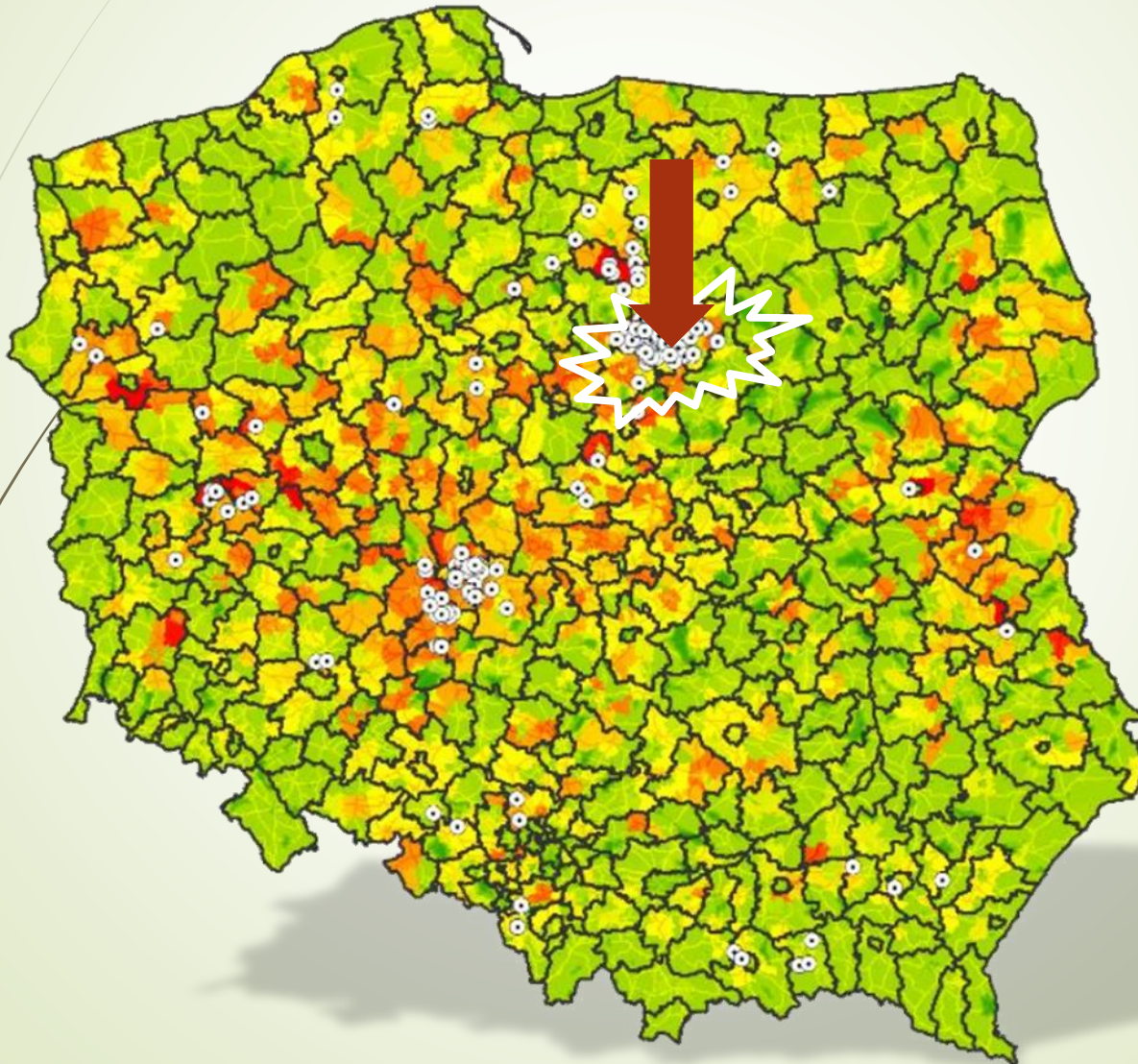


High
Low

Most outbreaks confirmed in high-risk areas

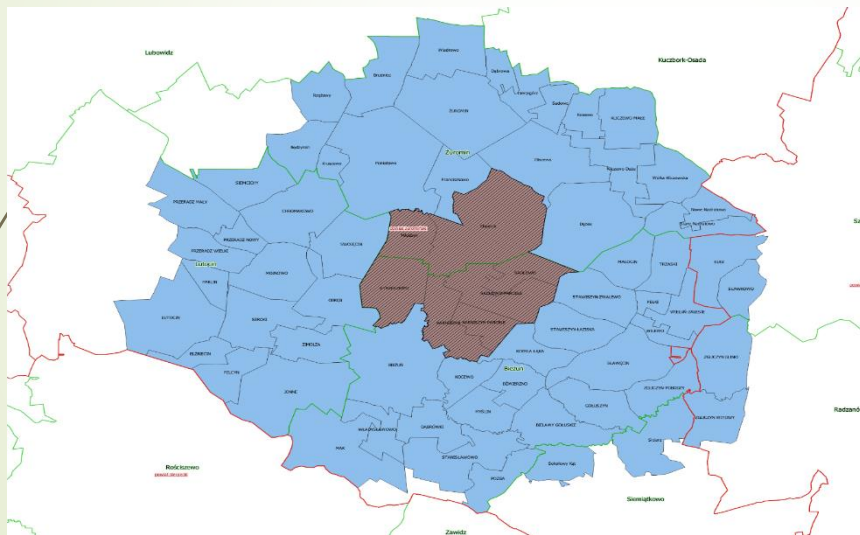
Outbreak no 2021/339

Location



Outbreak 2021/339

- All measures provided in the Commission Delegated Regulation (EU) 2020/687 have been implemented in the outbreak and within the protection and surveillance zones
- Protection and surveillance zone established according to local regulation of Mazovian Voivode of 11 August 2021:



- Protection zone
- Surveillance zone

- Restriction have been lifted according to Regulation of 14 Septmeber 2021 (published on 15 September)

Outbreak no 2021/339

Basic data

- Commercial holding of laying hens: 112 000 birds
- Biezuń municipality, żuromiński powiat, Mazowieckie voivodeship
- **09.08.2021**: notification from owner on increased mortality in flock -> samples were taken -> confirmed in NRL (PCR)
- **12.08.2021**: culling was finished
- HPAI subtype: H5N8
- **13.08.2021**- preliminary C&D



Outbreak 2021/339 – epidemiological inquiry. Genomic sequencing

- ✓ There is no evidence of direct link between outbreaks 2021/97 and 2021/339 (same holding)

The likelihood that passaging of the virus through birds at the same farm would have caused so many differences in genome seems very low.

- ✓ The H5N8 virus from the latest outbreak 339/2021 locates in the cluster of viruses detected in the northern part of mazowieckie voivodeship

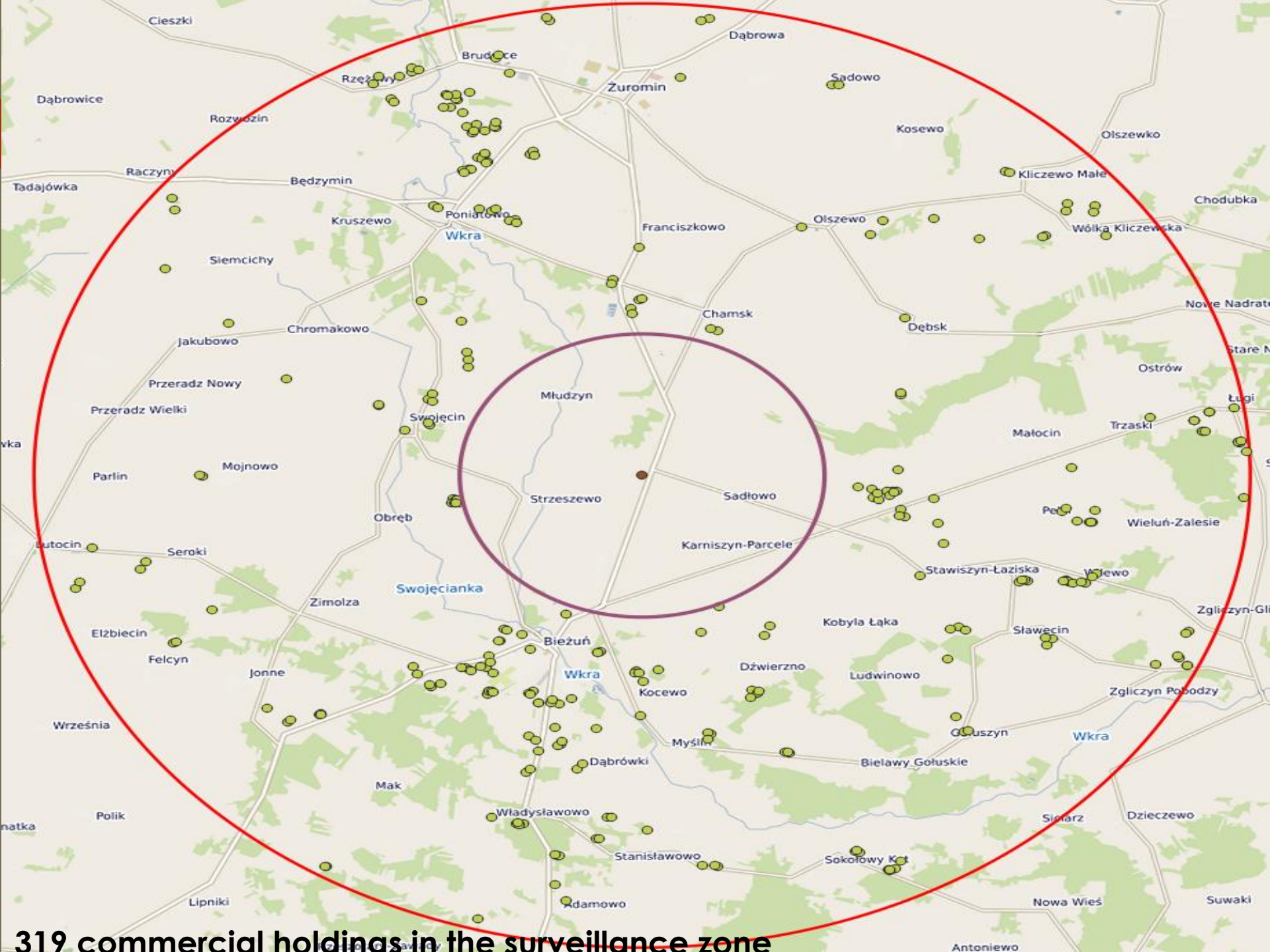
This suggests that the most recent outbreak in żuromiński district has its origin in this region.

- ✓ The sequencing profile of H5N8 virus is characteristic for mixed infection

The mixed infection, albeit possible at the peak of epidemic in spring, is difficult to explain in early August, when no outbreaks were notified for almost 3 months

Other measures implemented

- ▶ Preventive culling was applied in 3 km area around the 2021/339 outbreak in the protection zone (in 19 holdings).
- ▶ In the surveillance zone in the Żuromiński district 124 poultry holdings, keeping 7 717 178 poultry, were visited (out of 296).
- ▶ In the surveillance zone in the Mławski district 8 poultry holdings, keeping 419 678 poultry, were visited (out of 23).
- ▶ On 15th September 2021 local Regulation of Mazowian Voivode on lifting the surveillance and protection zones was published.
- ▶ **According to Chapter 10.4.6 of OIE Terrestrial Code, regaining of the status of a free country will be possible on 25 September 2021 (28 days after a stamping-out policy).**

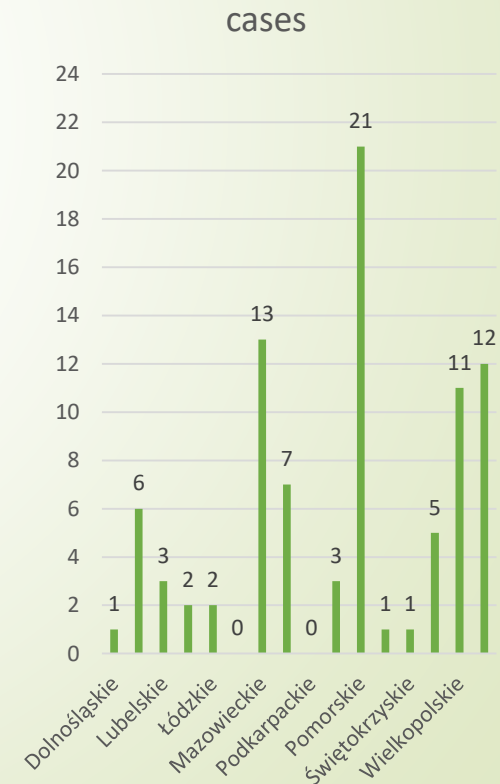
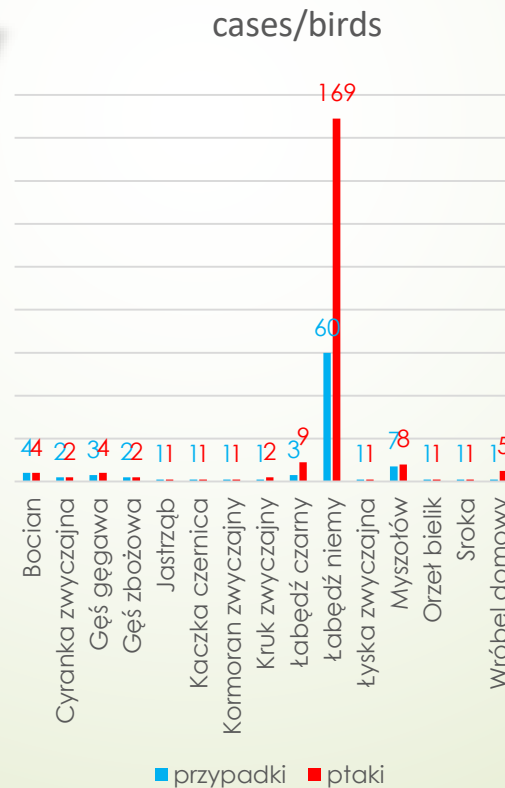


319 commercial holdings in the surveillance zone

Location of HPAI occurrence in wild birds in 2021



In total 88 outbreaks of HPAI in wild birds- no change since last PAFF





Surveillance in wild birds 2021

I-IX:

637 wild birds tested

01.06-20.09 – 45 wild birds tested – no positive results for
HPAI

Thank you

