

Avian influenza

Epidemiological situation in Poland



General Veterinary Inspectorate

15.01.2021

Epidemiological situation in poultry 2020/2021

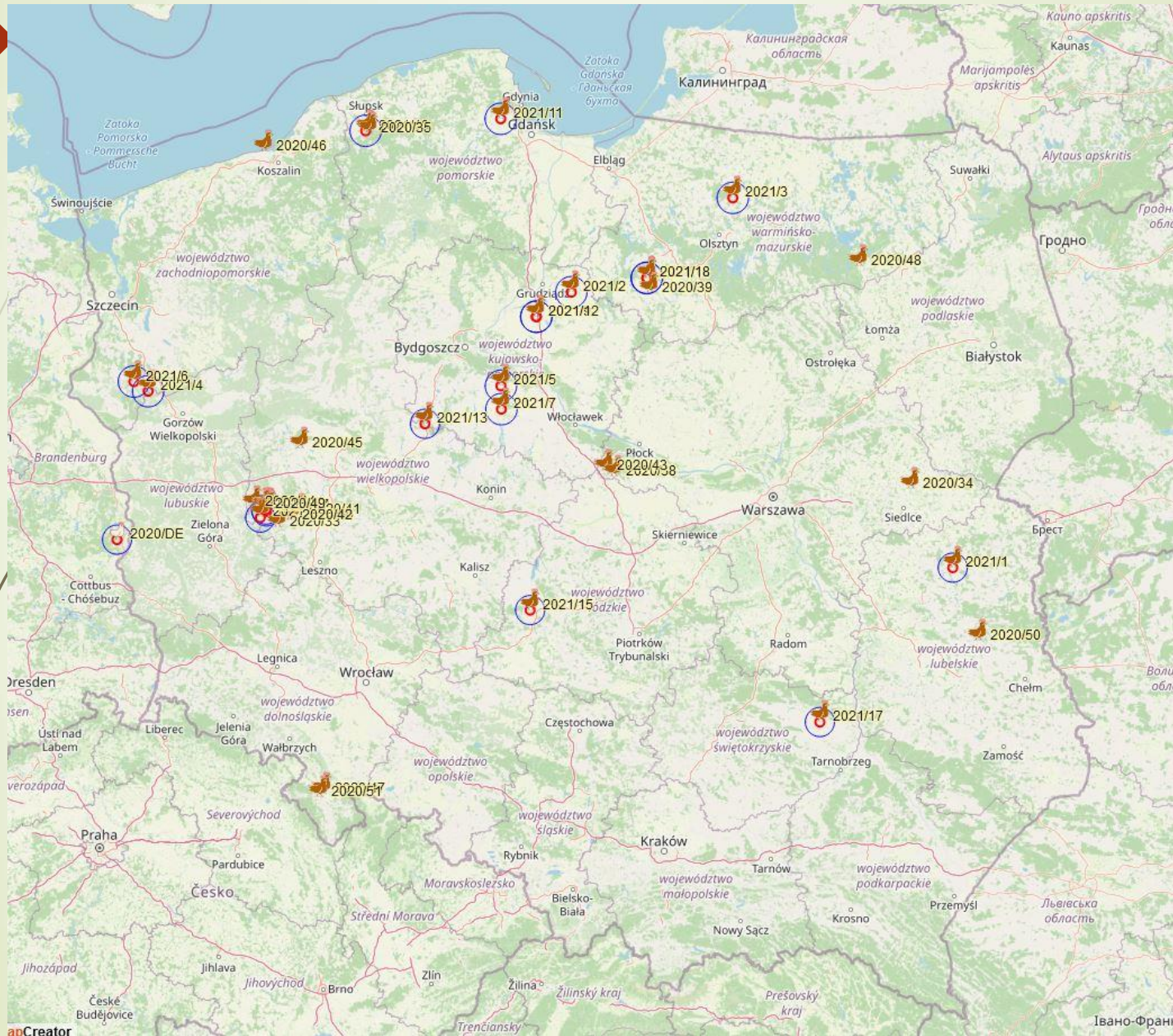
Number of outbreaks of HPAI in Poland – **11 regions**:

Voivodship	Outbreaks
Dolnośląskie	2
Kujawsko-pomorskie	5
Lubelskie	2
Lubuskie	1
Łódzkie	1
Mazowieckie	3
Pomorskie	3
Świętokrzyskie	1
Warmińsko-mazurskie	5
Wielkopolskie	13
Zachodniopomorskie	2

**IN TOTAL –38
outbreaks
during
2020/2021
season
(since 24 November 2020)**

19 outbreaks in 2020
19 outbreaks in 2021

Location of HPAI outbreaks in poultry



Outbreaks summary

No. of Outbreak	Region	District	Community	Type of farm	Number of animals	Species/ category	Age of birds	Date official sampling	Date Confirmation NRL	Date of preliminary cleaning and disinfection
2020/33	Wielkopolskie	Wolsztyński	Wolsztyn	commercial	938 888	laying hens	76, 74, 73, 48, 47, 39, 28, 26, 21 weeks	2020-11-24	2020-11-24	2020-11-29
2020/34	Mazowieckie	Siedlecki	Suchożebry	commercial	117 108	slaughter turkeys	16, 11 weeks	2020-12-01	2020-12-02	2020-12-06
2020/35	Pomorskie	Słupski	Kobylnica	commercial	269 697	laying hens (176 917) rearing (92 780)	20, 63, 72 weeks	2020-12-03	2020-12-04	2020-12-15
2020/36	Wielkopolskie	Grodziski	Rakoniewice	commercial	72 394	slaughter turkeys	6 and 14 weeks	2020-12-03	2020-12-03	2020-12-07
2020/37	Wielkopolskie	Wolsztyński	Siedlec	commercial	714 473	laying hens	82, 79, 60, 59, 37, 18 weeks	2020-12-04	2020-12-04	2020-12-14
2020/38	Mazowieckie	Gostyniński	Gostynin	commercial	34 442	slaughter turkeys	11 weeks and 4 days rearing	2020-12-07	2020-12-08	2020-12-14
2020/39	Warmińsko-mazurskie	Nowomiejski	Grodziczno	commercial	9 162	slaughter turkeys	12 weeks	2020-12-11	2020-12-12	2020-12-15
2020/40	Wielkopolskie	Wolsztyński	Siedlec	commercial	12 636	slaughter turkeys	9,5 weeks	2020-12-13	2020-12-14	2020-12-16
2020/41	Wielkopolskie	Grodziski	Wielichowo	commercial	199 998	laying hens	12-14 weeks	2020-12-13	2020-12-14	2020-12-18
2020/42	Wielkopolskie	Grodziski	Rakoniewice	commercial	32 965	slaughter turkeys	9 weeks	2020-12-11	2020-12-14	2020-12-14

Outbreaks summary

No. of Outbreak	Region	District	Community	Type of farm	Number of animals	Species/ category	Age of birds	Date official sampling	Date Confirmation NRL	Date of preliminary cleaning and disinfection
2020/43	Kujawsko-Pomorskie	grudziądzki	Świecie nad Osą	commercial	11 227	slaughter turkeys	15 weeks	2021-01-06	2021-01-07	2021-01-08
2020/44	Warmińsko-mazurskie	olsztyński	Jeziorany	commercial	1 964	geese breeders	6 months	2021-01-09	2021-01-10	2021-01-11
2020/45	Lubuskie	gorzowski	Lubiszyn	commercial + backyard	15 600	15 544 slaughter turkeys, 10 laying hens, 36 guineafowl	16,5 weeks	2021-01-08	2021-01-09	2021-01-11
2020/46	Kujawsko-Pomorskie	inowrocławski	Gniewkowo	commercial	30 796	slaughter turkeys	16 and 18 weeks	2021-01-12	2021-01-13	2021-01-16
2020/47	Dolnośląskie	kłodzki	kłodzko	backyard	81	hens	-	2020-12-18	2020-12-22	2020-12-22
2020/48	Warmińsko-mazurskie	Piski	Pisz	commercial	31 091	slaughter turkeys	5 days to 18 weeks	2020-12-21	2020-12-22	2020-12-23
2020/49	Wielkopolskie	wolsztyński	Siedlec	commercial	600	geese breeders	20 months	2020-12-21	2020-12-23	2020-12-22
2020/50	Lubelskie	łęczyński	Ludwin	commercial + backyard	53 504	slaughter ducks and backyard laying hens	1-5 weeks	2020-12-28	2020-12-28	2020-12-30
2020/51	Dolnośląskie	kłodzki	kłodzko	backyard	195	hens	-	2020-12-28	2020-12-29	2020-12-30
2021/1	Lubelskie	radzyński	Wołyń	commercial	29 840	slaughter turkeys	4,5 and 2,5 months	2021-01-04	2021-01-04	2021-01-07

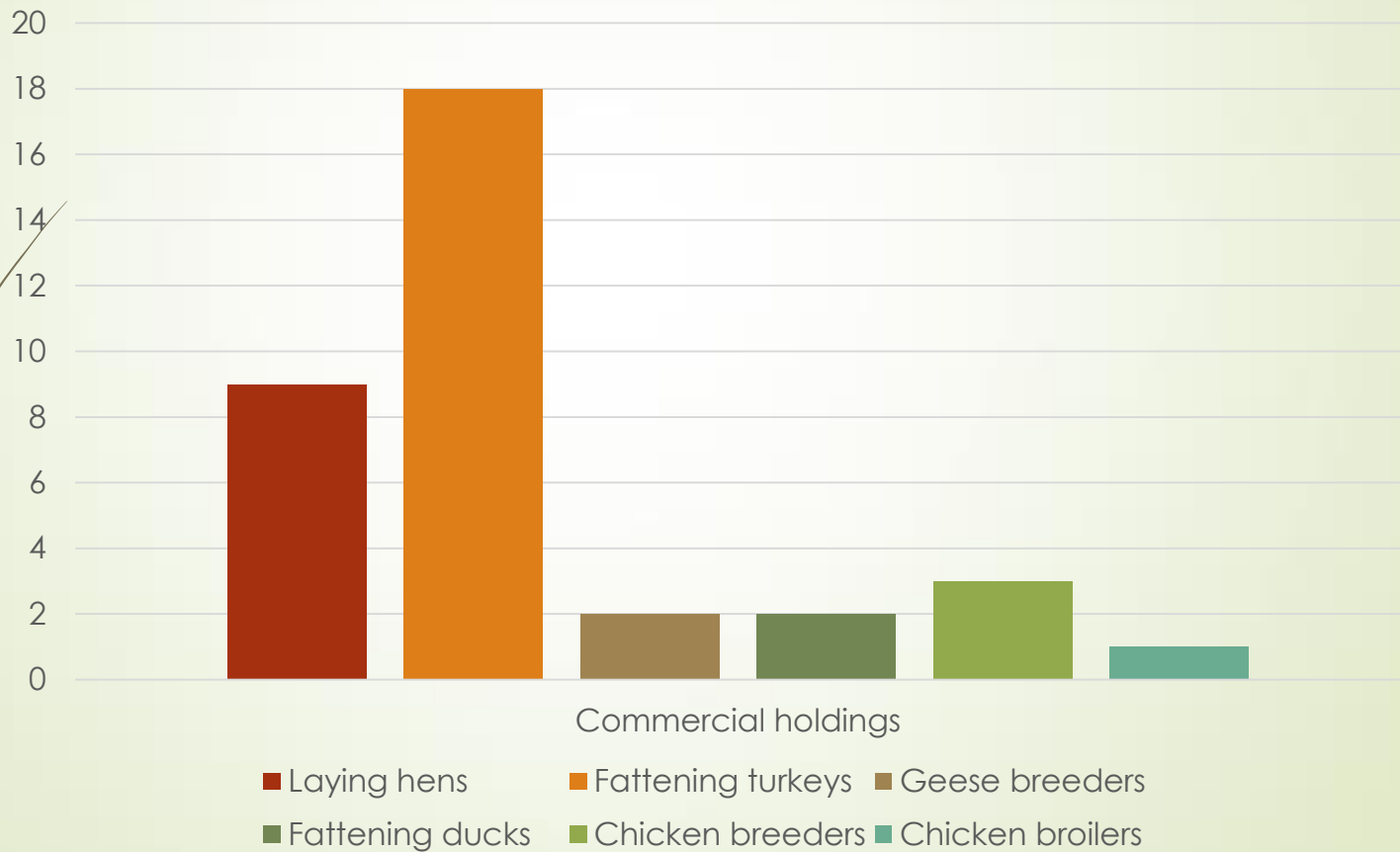
Outbreaks summary

No. of Outbreak	Region	District	Community	Type of farm	Number of animals	Species/ category	Age of birds	Date official sampling	Date Confirmation NRL	Date of preliminary cleaning and disinfection
2021/2	Mazowieckie	Gostyniński	Gostynin	backyard	32	26 hens, 6 geese	-	2020-12-14	2020-12-15	2020-12-16
2021/3	Wielkopolskie	Wolsztyński	Siedlec	commercial	30 488	slaughter turkeys	15 weeks	2020-12-14	2020-12-15	2020-12-18
2021/4	Wielkopolskie	Szamotulski	Pniewy	commercial	10 403	slaughter turkeys	17 weeks	2020-12-15	2020-12-16	2020-12-18
2021/5	Zachodniopomorskie	Koszaliński	Mielno	commercial	662	laying hens	44 weeks	2020-12-17	2020-12-18	2020-12-31
14 new outbreaks since last PAFF comitee										
2020/6	Zachodniopomorskie	myśliborski	Myślibórz	commercial	13 558	slaughter turkeys	22 and 19 weeks	2021-01-15	2021-01-16	2021-01-25
2020/7	Kujawsko-pomorskie	inowrocławski	Inowrocław	commercial	34 109	chicken breeders	42 weeks	2021-01-16	2021-01-17	2021-01-20
2020/8	Wielkopolskie	wolsztyński	Siedlec	commercial	320 141	laying hens	23-66 weeks	2021-01-22	2021-01-23	2021-01-30
2020/9	Kujawsko-Pomorskie	chełmiński	Lisewo	commercial	27 636	chicken breeders	25, 43 and 59 weeks	2021-01-24	2021-01-25	2021-01-26
2021/10	Pomorskie	słupski	Kobylnica	commercial	122 427	laying hens	rearing	2021-01-24	2021-01-25	2021-01-29
2021/11	Pomorskie	wejherowski	Szemud	backyard	27	laying hens	-	2021-01-25	2021-01-26	2021-01-27

Outbreaks summary

No. of Outbreak	Region	District	Community	Type of farm	Number of animals	Species/ category	Age of birds	Date official sampling	Date Confirmation NRL	Date of preliminary cleaning and disinfection
2021/12	Kujawsko-pomorskie	chełmiński	Lisewo	commercial	25 129	chicken breeders	26, 44, 60 weeks	2021-01-29	2021-01-30	2021-02-02
2021/13	Wielkopolskie	gnieźnieński	Mielno	commercial	86 989	63 172 chicken broilers, 23 817 slaughter ducks	2 days, 2,5-8 weeks	2021-01-28	2021-01-30	2021-01-30
2021/14	Wielkopolskie	Wolsztyński	Siedlec	commercial	13 865	slaughter turkeys	12 weeks	2021-01-30	2021-01-29	Planned 2021-02-03
2021/15	Łódzkie	sieradzki	Wróblew	commercial	37 864	slaughter turkeys	13 weeks	2021-01-30	2021-02-01	2021-02-03
2021/16	Warmińsko-mazurskie	iławski	Lubawa	commercial	23 560	slaughter turkeys	4-21 weeks	2021-01-31	2021-02-01	03.02 plan
2021/17	Świętokrzyskie	ostrowiecki	Ćmielów	backyard	62	60 laying hens, 2 ducks	-	2021-02-03	2021-02-04	2021-02-05
2021/18	Warmińsko-mazurskie	iławski	Lubawa	commercial	13 695	slaughter turkeys	6-13 weeks	2021-02-04	2021-02-05	2021-02-05
2021/19	Wielkopolskie	wolsztyński	Siedlec	commercial	7 480	laying hens	87 weeks	2021-02-04	2021-02-05	2021-02-08

Type of poultry in the outbreaks



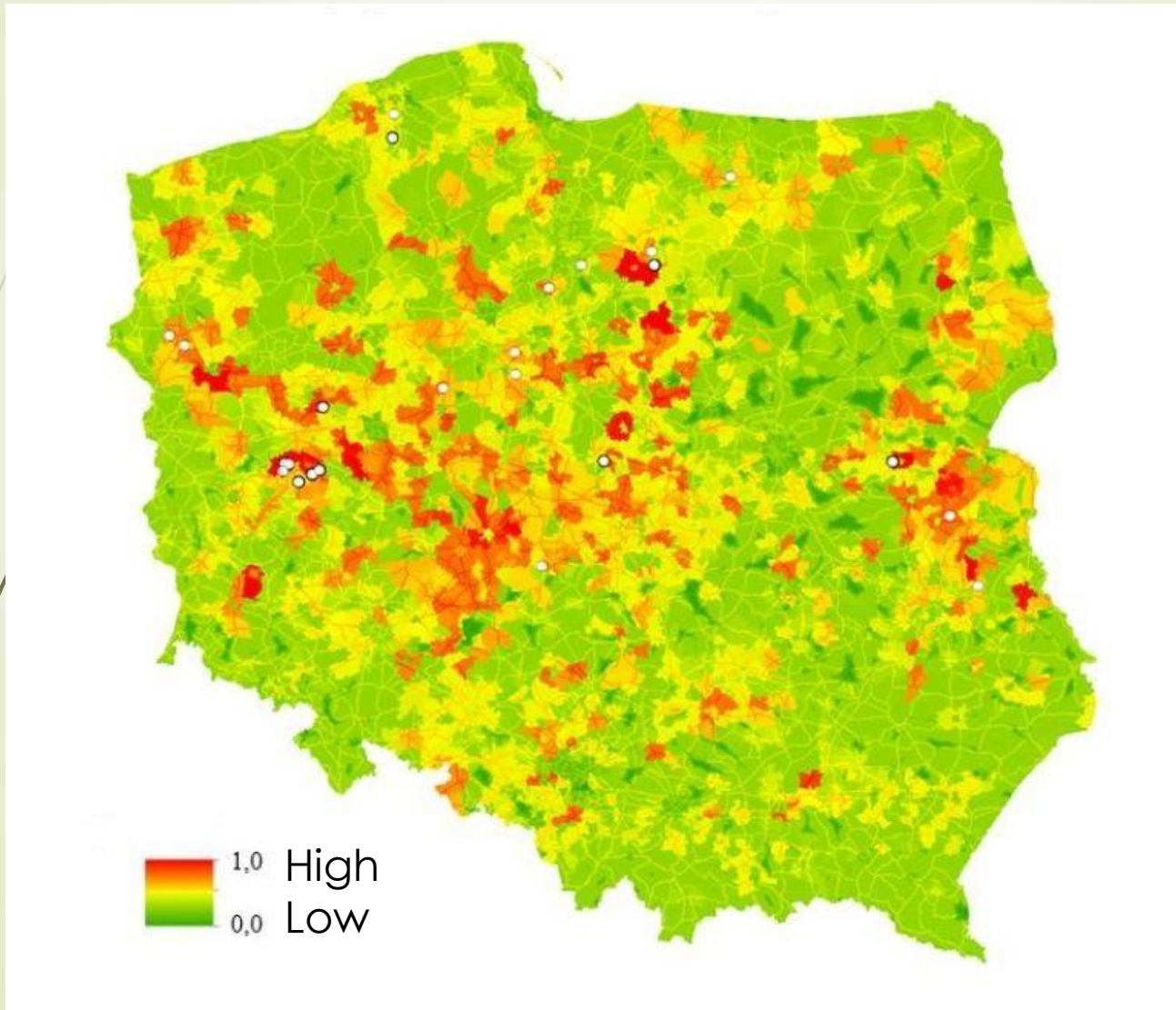


Results of epidemiological investigation

- ▶ Outbreak type:
 - Primary outbreaks -34
 - Secondary outbreaks -4

- ▶ Most of the outbreaks were confirmed in holdings located in close proximity to water reservoirs (rivers, lakes, swamps etc.), which were habitats to migrating wild birds

High risk areas





Most likely source:

As a result of a close proximity to water reservoirs and presence of wildlife the most likely source is:

- contamination of bedding,
- ventilation,
- possible contact with wild birds

Other:

- Intense movement of employees
- Lack of biosecurity measures



HPAI control measures

**Measures for combating AI
in accordance with Directive 2005/94/EC
were implemented**

Ministry of Agriculture and Rural Development is currently proceeding with a new regulation to strengthen biosecurity measures in commercial farms, than those in force.

Holdings in the zones

No of outbreak	Voivodship	Number of commercial holdings		Number of poultry (both zones)
		Protection zone	Surveillance zone:	
2020/33	Wielkopolskie	4	28	1 077 274
2020/34	Mazowieckie	7	50	1 504 287
2020/35	Pomorskie	1	0	124 800
2020/36	Wielkopolskie	5	14	912 750
2020/37	Wielkopolskie	10	50	794 950
2020/38	Mazowieckie	32	6	984 966
2020/39	Warmińsko-mazurskie	7	49	325 027
2020/40	Wielkopolskie	3	35	393 391
2020/41	Wielkopolskie	8	5	521 863
2020/42	Wielkopolskie	5	14	912 750
2020/43	Mazowieckie	2	3	26 500
2020/44	Wielkopolskie	4	10	27 305
2020/45	Wielkopolskie	2	22	74 800
2020/46	Zachodniopomorskie	0	1	500
2020/47	Dolnośląskie	0	0	0
2020/48	Warmińsko-mazurskie	0	2	30 944
2020/49	Wielkopolskie	3	35	393 391
2020/50	Lubelskie	6	10	1 678
2020/51	Dolnośląskie	0	0	0


Holdings in the zones

No of outbreak	Voivodship	Number of commercial holdings		Number of poultry (both zones)
		Protection zone	Surveillance zone:	
2021/1	Lubelskie	3	25	446 180
2021/2	Kujawsko-Pomorskie	0	3	22 704
2021/3	Warmińsko-mazurskie	0	1	332 316
2021/4	Lubuskie	0	8	97 617
2021/5	Kujawsko-Pomorskie	1	11	210 616
2021/6	Zachodniopomorskie	0	5	85 050
2021/7	Kujawsko-Pomorskie	5	29	1 080 317
2021/8	Wielkopolskie	12	50	867 100
2021/9	Kujawsko-Pomorskie	5	6	199 066
2021/10	Pomorskie	2	0	0
2021/11	Pomorskie	1	38	478 950
2021/12	Kujawsko-pomorskie	4	6	173 788
2021/13	Wielkopolskie	1	9	83 164
2021/14	Wielkopolskie	4	41	216 400
2021/15	Łódzkie	2	20	203 323
2021/16	Warmińsko-mazurskie	13	52	328 097
2021/17	Świętokrzyskie			
2021/18	Warmińsko-mazurskie			
2021/19	Wielkopolskie			



Number of flocks tested (01.10.2020-08.02.2021)

- ▶ suspicion/testing to exclude - 117 flocks - 38 positive for H5N8 (19 in 2021)
- ▶ post outbreak surveillance- contact holdings - 45 flocks - all negative
- ▶ testing before movement to a slaughterhouse - 64 flocks - all negative



Surveillance in wild birds (01.10.2020-08.02.2021)

- Passive surveillance - dead or moribund birds: 51 birds (10 HPAIV H5N8 detections)
- Active surveillance – alive, apparently healthy birds (hunted or captured by ornithologists) - 497 birds (no HPAIV detections)
- Environmental sampling of wild bird faeces - 15 samples (no HPAIV detection)

HPAI confirmed in wild birds (2020/2021 season)

2020/2 Tundra bean goose found on 08.12.2020 (Wielkopolskie) H5N8

2020/3 Tundra bean goose found on 09.12.2020 (Zachodniopomorskie) H5N8

2020/4 Mute swan found on 16.12.2020 (Pomorskie) H5N8

2020/5 Wild goose (unidentified) found on 16.12.2020 (Pomorskie) H5N8

2021/1 Tundra bean goose found on 09.01.2021 (Wielkopolskie) H5N8

2021/2 Mute swan found on 18.01.2021 (Kujawsko-Pomorskie) H5N8

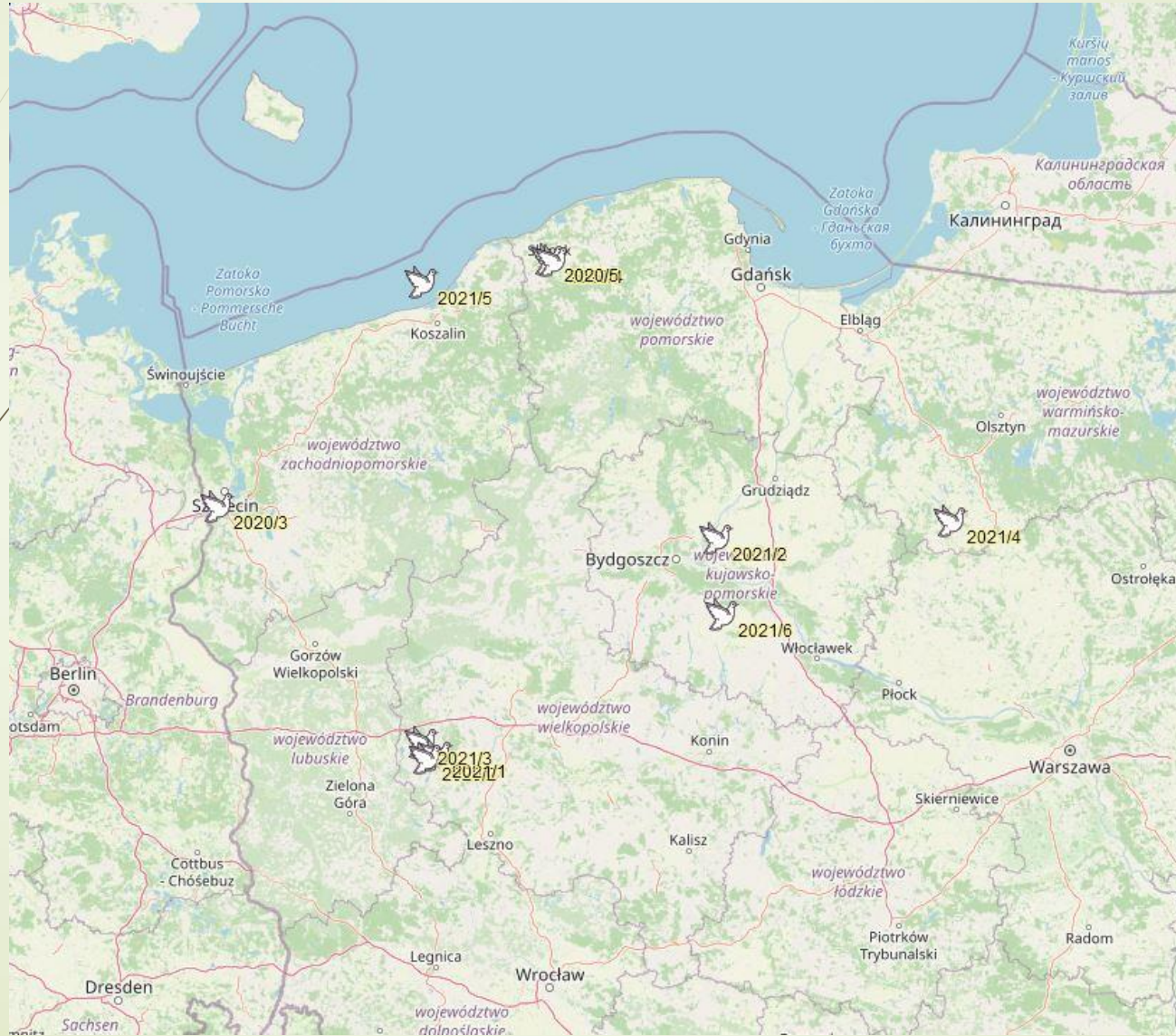
2021/3 House sparrow found on 28.01.2021 (Wielkopolskie) H5N8

2021/4 Swan found on 27.01.2021 (Warmińsko-Mazurskie) H5N8

2021/5 Tufted duck found on 31.01.2021 (Zachodniopomorskie) **H5N5**

2021/6 Garganey found on 04.02.2021 (Kujawsko-Pomorskie) H5N8

Location of HPAI outbreaks in wild birds



Thank you

