

Veterinary control program for the surveillance of Aujeszky's disease in Lithuania 2011-2016



**State Food and Veterinary Service,
Lithuania**

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Historical data

The last clinical case of AD in pigs was detected in 1988 and the last infected zone was eradicated in the same year.

From 1992 pigs were vaccinated with live and live inactivated vaccine in several pig farms with over 1000 pigs.

Surveillance for AD of pigs has been carried out since 1996.

AD disease control measures

- AS disease is compulsorily notifiable in the Republic of Lithuania since 1991.
- Vaccination against AD is prohibited since 1999. The vaccination can be only permitted in restriction zone in a case of AD outbreak with the permission given by the State Food and Veterinary Service.

AD disease control measures

Plan for the control and eradication of Aujeszky's disease, in accordance with Article 9(1) of Directive 64/432/EEC is in place since 2006

AD surveillance is performed in pig and boar populations.

Surveillance in pigs

Since 2006 pigs had to be tested serologically for AD once a year in pig herds and semen collection centres: the number of tested pigs must be sufficient to estimate 2% disease prevalence with the 95 % confidence for pigs, intended for production and 0.1 % disease prevalence with the 95 % confidence for pigs intended for breeding.

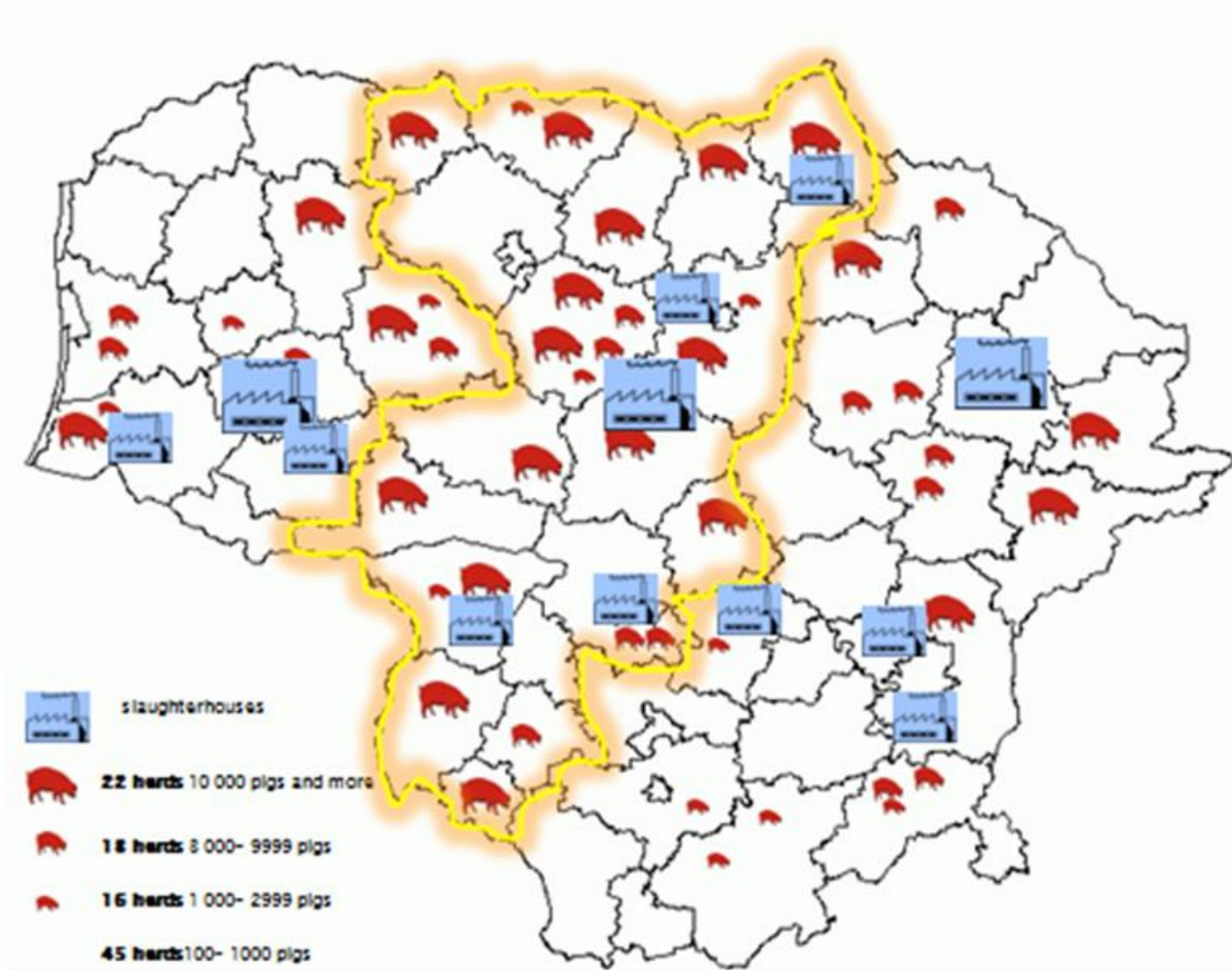
Since 2014 surveillance is performed in registered herds of pigs to allow coverage at administrative level of at least 5 % of prevalence with 95 % of confidence of herds (at least 59 herds (including backyards) in each district municipality), taking blood samples from pigs kept to allow detecting disease at the level 5 % sero prevalence with 95 % confidence

From 1997 to 2015 all analysed samples from pigs were negative against AD antibodies. All holdings are classified as "free of Aujeszky's disease without vaccination

Pig registration data

Year	2010	2011	2012	2013	2014	2015
Number of pigs in thousands	656,3	518,5	514	602,4	630,4	606,4
Number of registered holdings in the CDB	5043	5539	7208	5732	14850	27884

Allocation of commercial pigs farms



Surveillance data in pigs

County	Number of animals tested individually	Number of animals tested individually	Number of animals tested individually		% herd coverage	% herd coverage	% herd coverage
	2013	2014	2015				
Alytus	176	376	139				
Kaunas	589	975	901				
Klaipeda	283	478	417				
Marijampolė	496	823	727				
Panevezys	612	545	325				
Siauliai	1069	1132	1072		2013	2014	2015
Taurage	286	331	392		9	2	2,5
Telsiai	410	343	383		14	6	1,4
Utena	600	532	71		10	4	2,5
Vilnius	431	786	552		6	3	1,4
Total	4952	6321	4979		10	4	2,5
			Siauliai		17	6	1,2
			Taurage		16	5	1,75
			Telsiai		13	7	2,3
			Utena		8	4	11
			Vilnius		10	4	5,5
			Total		10	4	3,2

Surveillance data in wild boar

County	2013	2014	2015
Alytus	53	51	22
Kaunas	81	85	45
Klaipėda	56	42	44
Marijampolė	64	73	50
Panevėžys	56	74	36
Šiauliai	87	85	53
Tauragė	49	49	24
Telšiai	49	55	29
Utena	69	97	32
Vilnius	111	121	63
Total	675	732	398

Plan for 2016

To cover at least 5 % of prevalence with 95 % of confidence of herds (at least 59 herds (including backyards) in each district municipality), taking blood samples from pigs kept to allow detecting disease at the level 5 % sero prevalence with 95 % confidence

To test wild boars (at least 59 samples in each district municipality)

Thank you for your attention