

Results of the epidemiological investigation of ASF in 18 outbreak farms of Estonia

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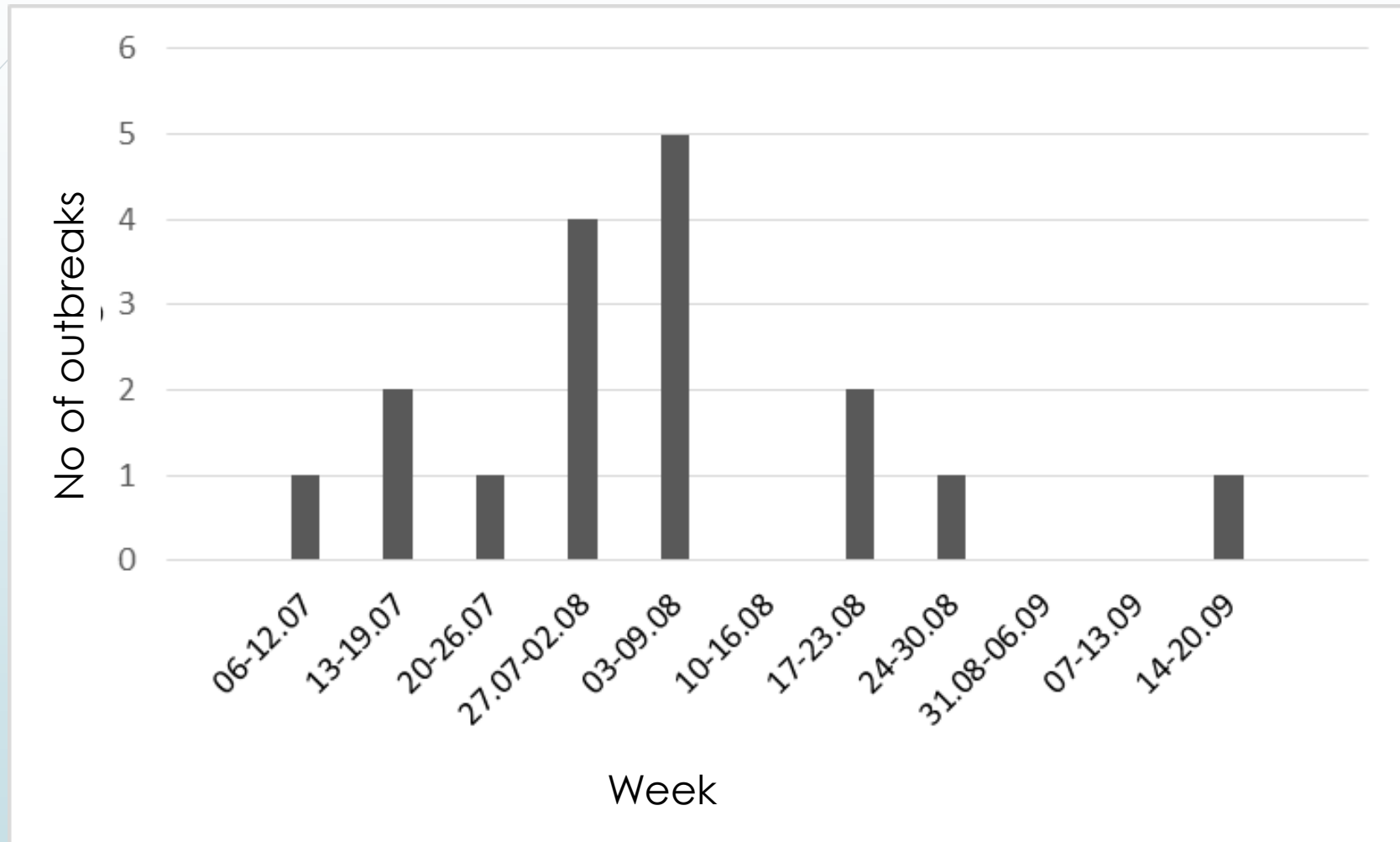
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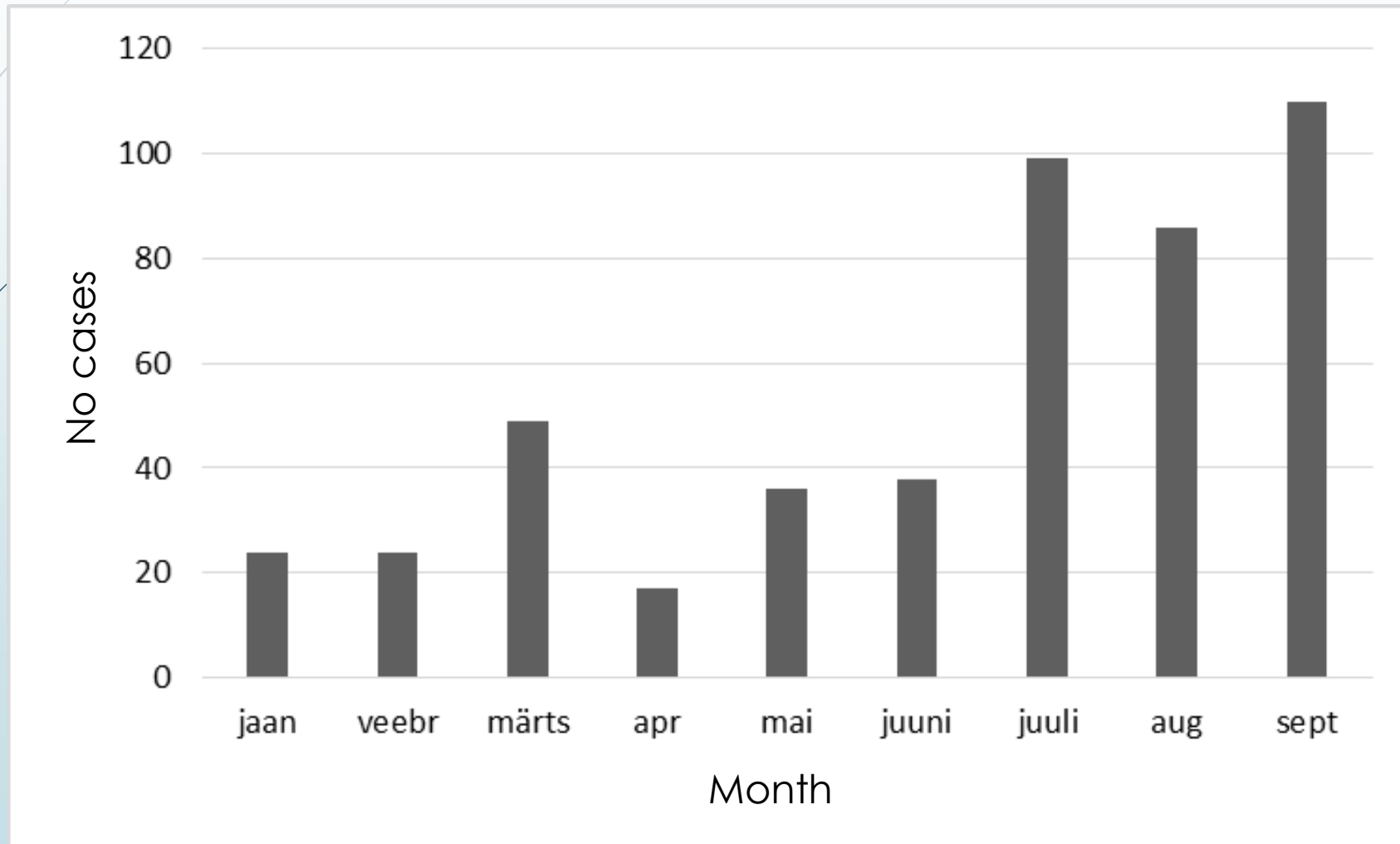
Introduction

- Data used for analysis
 - Data collected during preliminary [epidemiological investigation](#)
 - Additional questioning of veterinarians and owners involved using standard [questionnaire](#)
 - [Dataset established](#)

Distribution of outbreaks in time



No of wild boar cases in counties with outbreaks in domestic pigs



Geographic distribution of ASF outbreaks

County	Outbreaks in domestic pigs		ASF positive wild boar (01.01.-31.10.2015)	
	No	%	No	%
Lääne-Viru	1	6%	28	6%
Jõgeva	1*	6%	10	2%
Järva	1	6%	31	7%
Tartu	2	12%	65	14%
Viljandi	6	35%	141	30%
Võru	2	12%	95	20%
Valga	4	24%	97	21%
Total	17	100%	467	100%

Farm types of ASF outbreak herds

Type of the farm	No pigs	No outbreaks
Backyard	1-15	6
Small-producer	100-500	5
Producer	1100 - 6500	7

Farm types of ASF outbreak herds 2

Farm type	Herd size group			Total
	1-15	100-500	1100-6500	
Farrow to finish		3	3	6
Multiplier		1	2	3
Fattening	6	1	2	9
Total	6	5	7	18

Possible causes of introduction

Cause of introduction	Herd size class			Total
	1-15	100-500	1100-6500	
Biosecurity mistakes	6	1	4	11
Feeding of grass		1		1
Contamination of cereal feed		3	3	6
Kokku	6	5	7	18

Possible causes of introduction

- ▶ All introductions due to indirect transmission
 - ▶ „secondary“ contamination of cereal feeding staffs at –
 - ▶ storage
 - ▶ milling
 - ▶ mixing
 - ▶ „direct“ contamination of green fodder in the field
 - ▶ humans – contaminated footwear, cloths, tools
 - ▶ contaminated vehicles entering the territory or the building
 - ▶ Other animals – production animals kept with pigs, pets

Possible causes of introduction

- ▶ Biosecurity measures on very good or good level - 2 (n=18)
- ▶ Production farms having their own mill or using a local mill - 8 (n=11)
 - ▶ flour used to mix feed for pigs – all have feed mixers on farm
- ▶ Feed contamination can be suspected in 1 herd where feed originated from specialised producer

Suspicion and notification

- Causes of suspicion
 - morbidity – 11
 - mortality – 6
 - surveillance – 1
- Diseases suspected:
 - feed poisoning – 5
 - Erysipelas – 2
 - Pneumonia – 1
- Lag time from first symptoms to notification 0-7 days

Thank you!