

# Main factors affecting efficiency in Irish pig farms: overall conclusions from a representative sample

Teagasc Pig Research Dissemination Day 2018

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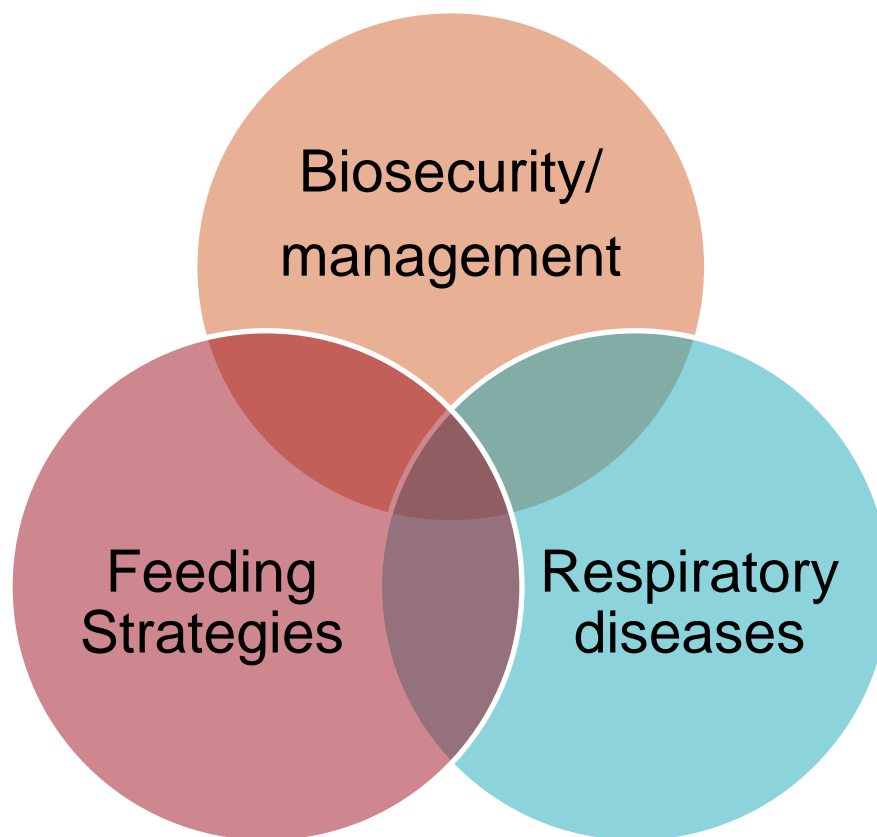
# Objective

**To understand what are the main factors  
affecting efficiency of Irish pig farms**

**Quantitative €€€**



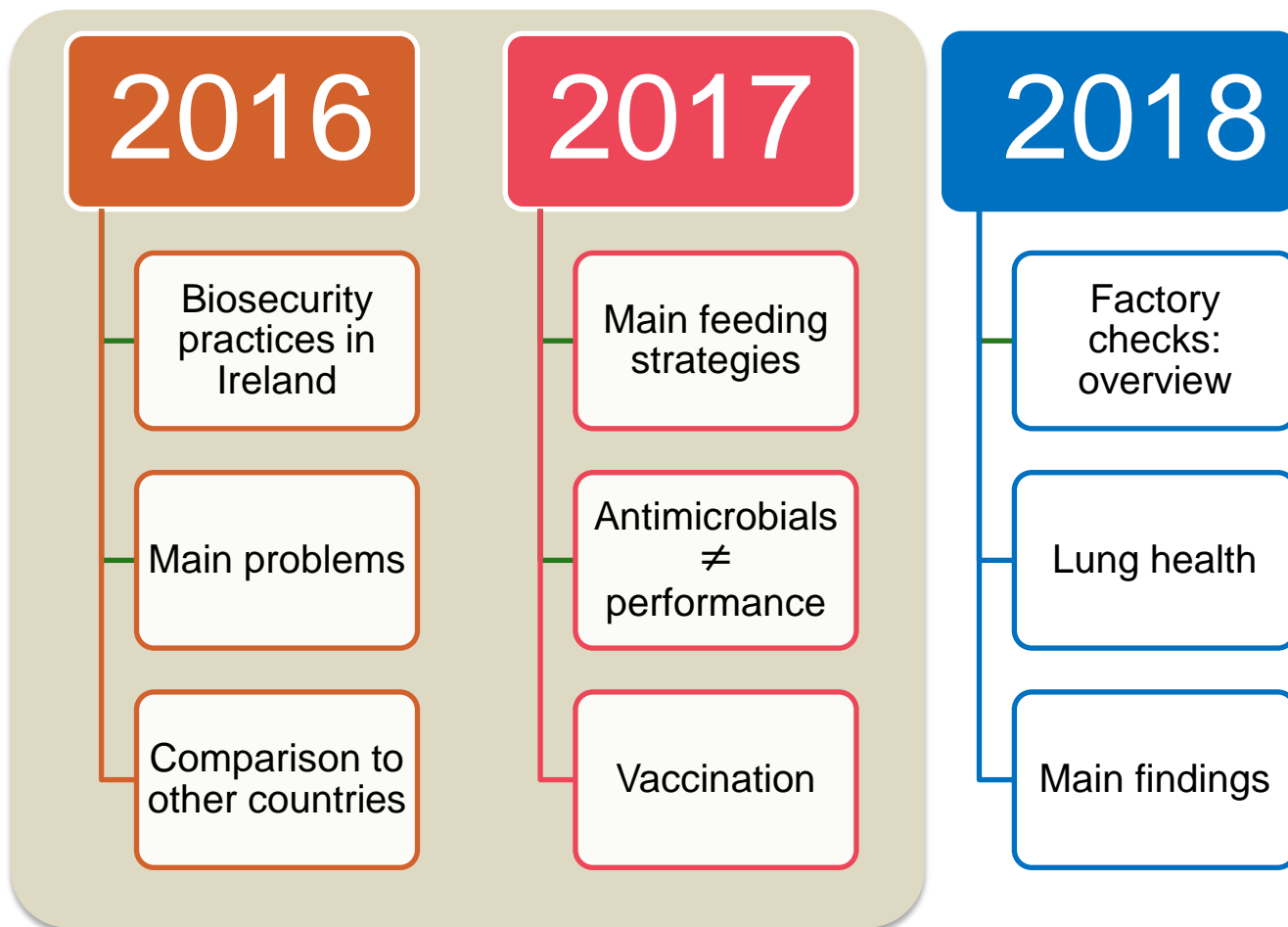
# Outline





# Results

## Research Dissemination Day





# Biosecurity



Raise Awareness!!!

Find your weaknesses



# Feeding Strategies



## Purchasers vs Home Millers

- No apparent difference on Performance

## Phase Feeding (finishers)

- Increases performance

Energy levels not reported

Too much protein

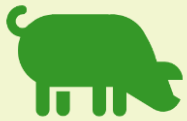
Antimicrobials in feed  $\neq$  better performance!!



# Factory visits

What did we  
do?

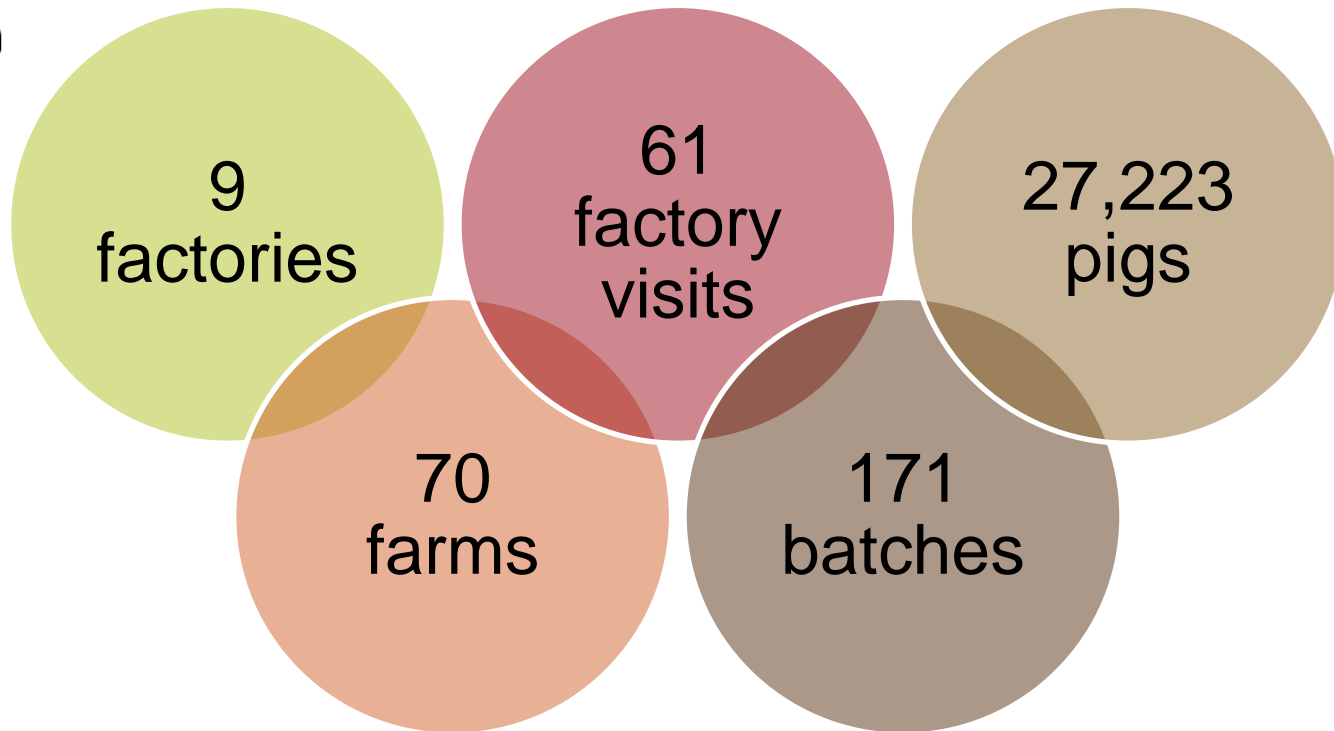




# Data Collection

Winter 2017/2018

| Factory checks



32 bloods/farm

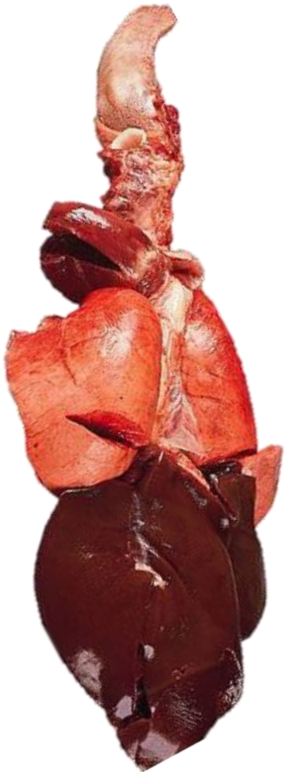
Min 2 batches/farm

159 lungs/batch





# Lung Health



**Pleurisy**

— Inflammation of the membranes that surround the lungs, attachments to the ribs

**Pneumonia**

— Inflammation of the lung, consolidation

**Pericarditis**

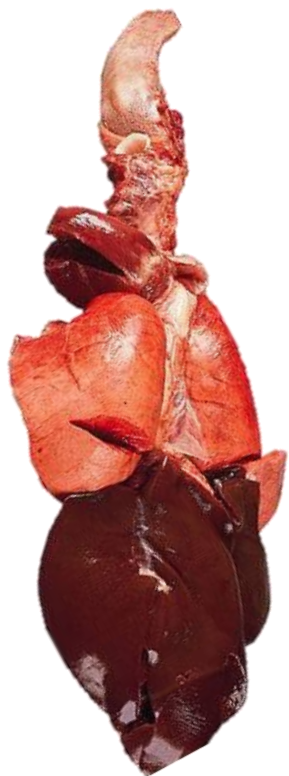
— Inflammation of sac surrounding the heart

**Milk Spots**

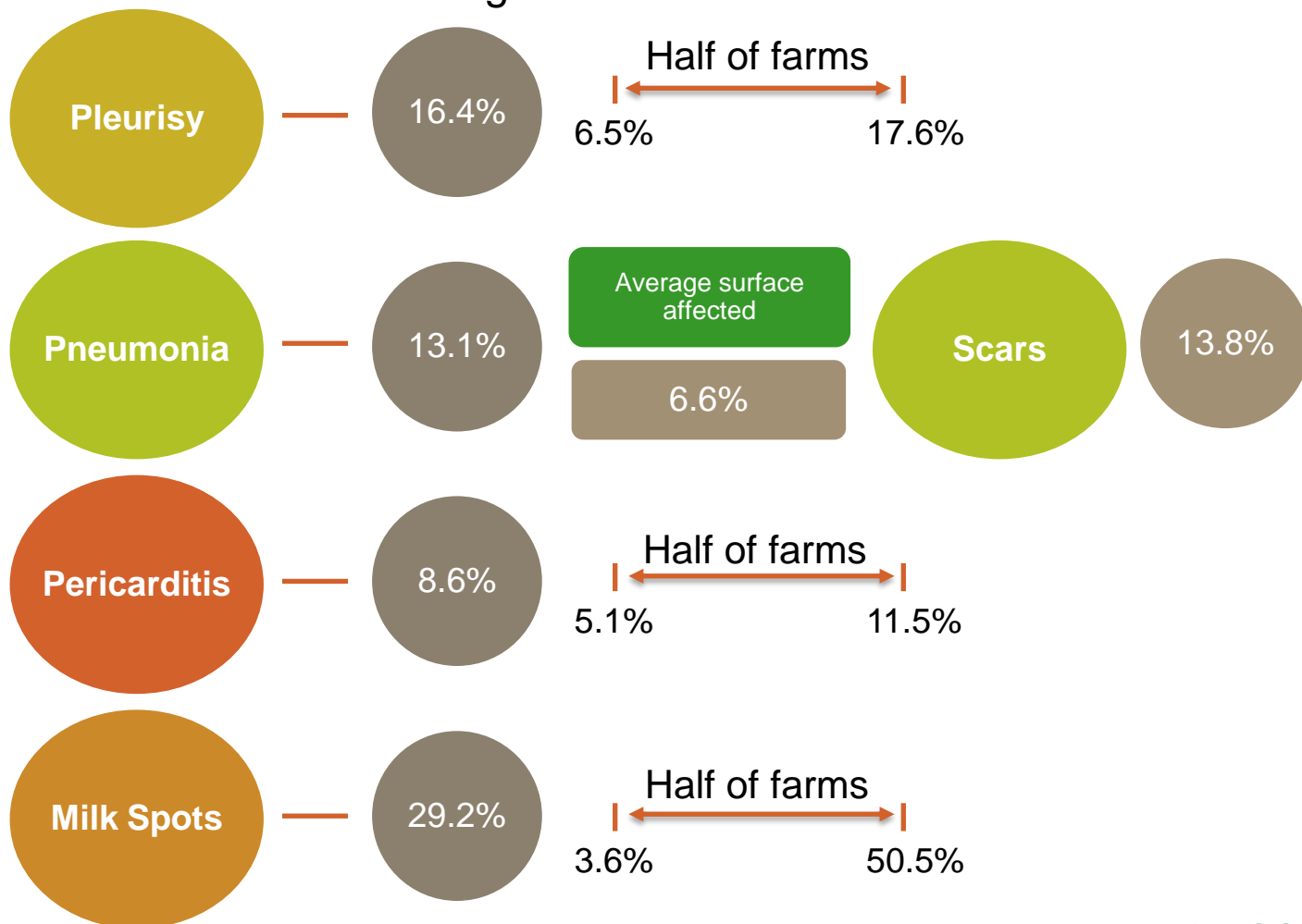
— Sign of the migration of parasites



# Lung Health

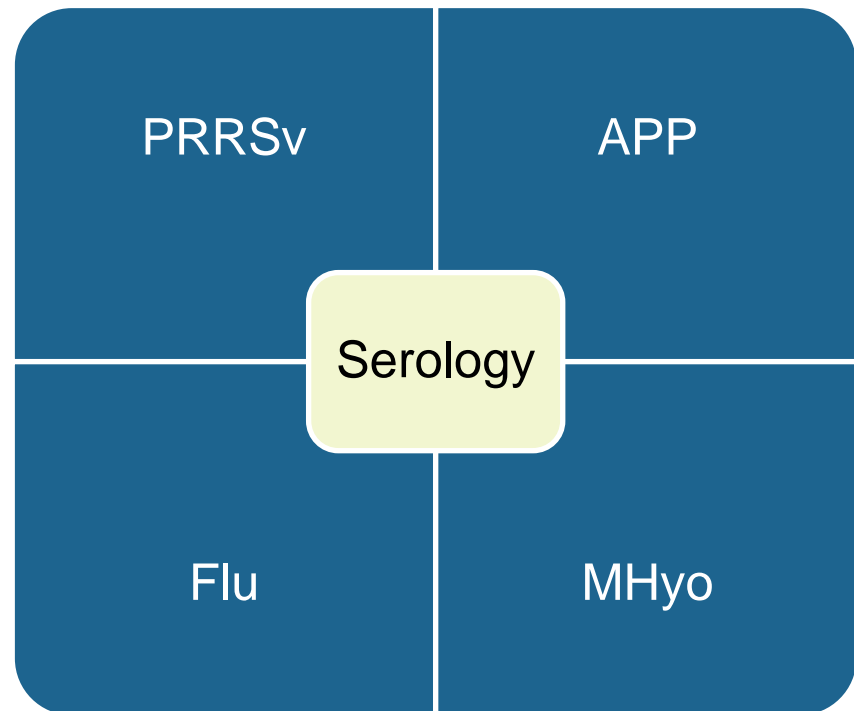


Average





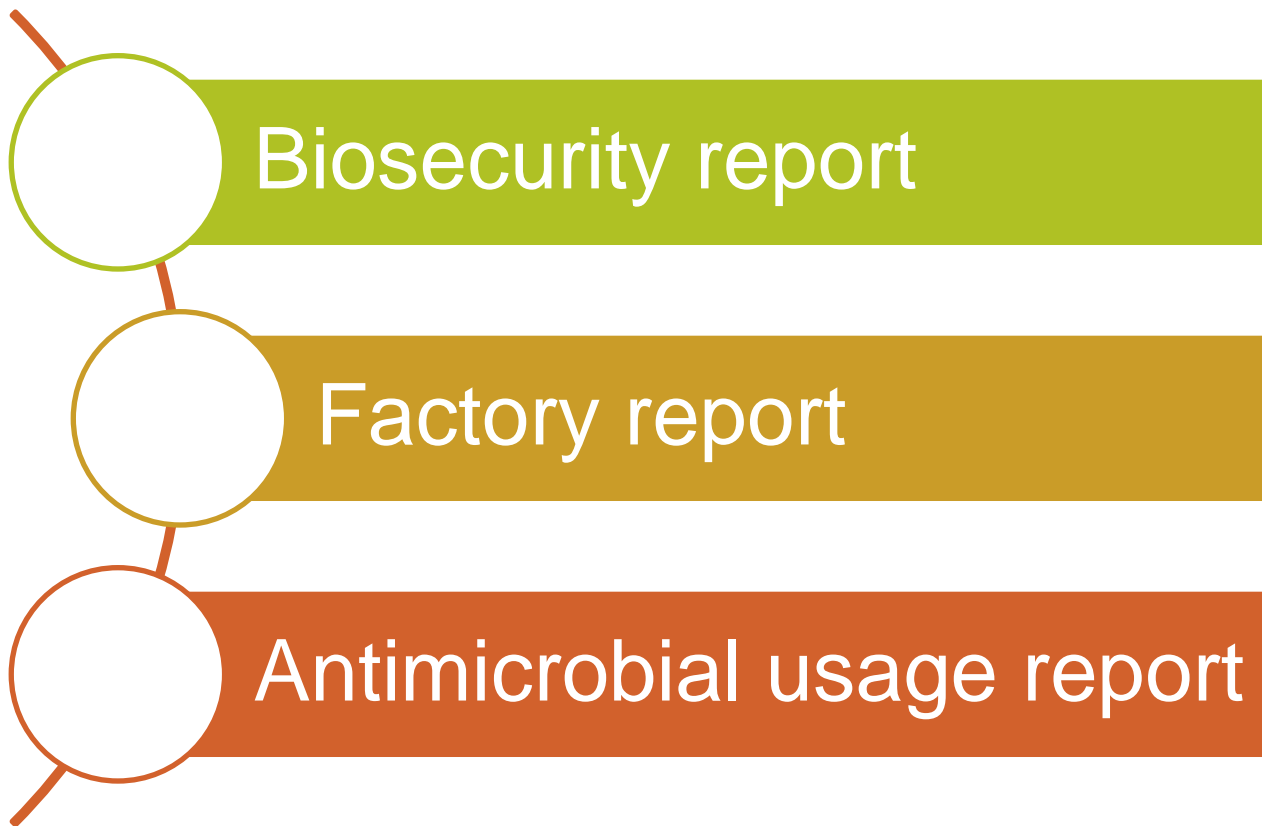
# Blood samples





# Feedback

**#BENCHMARKYOURFARM**



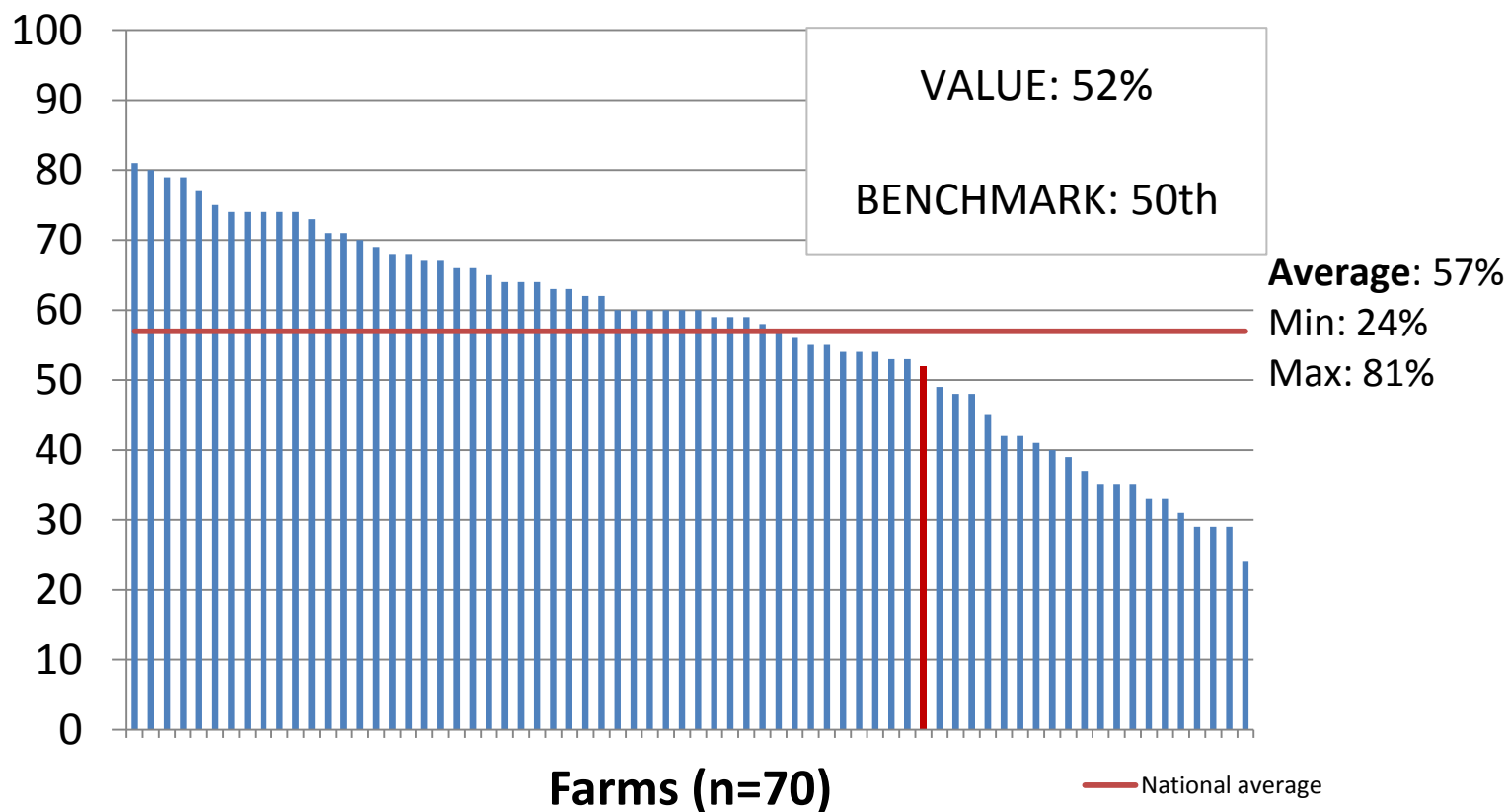


# Reports

| Biosecurity

Example...

## Internal biosecurity score





# Reports

| Biosecurity



## BIOCHECK.UGENT

ID: 27321/984122/w2\_0/R

Entry date: 2016-10-04 13:44:30

Identification: BQ3Teagasc

**PIG**

Nr	Description	Score	Country average	Global average
<i>External biosecurity</i>				
A	<u>Purchase of animals and semen</u>	100 %	99 %	89 %
B	<u>Transport of animals, removal of manure and dead animals</u>	83 %	81 %	71 %
C	<u>Feed, water and equipment supply</u>	53 %	55 %	50 %
D	<u>Personnel and visitors</u>	71 %	74 %	69 %
E	<u>Vermin and bird control</u>	90 %	71 %	67 %
F	<u>Environment and region</u>	100 %	84 %	60 %
<i>Subtotal External biosecurity:</i>		83 %	79 %	71 %



# Reports | Factory checks

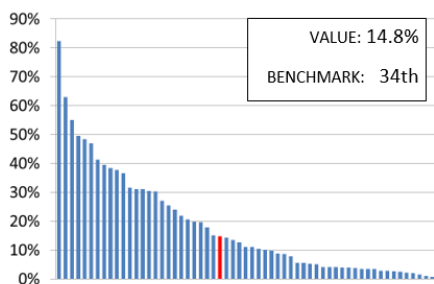
#BENCHMARKYOURFARM

Teagasc Pig Development Department

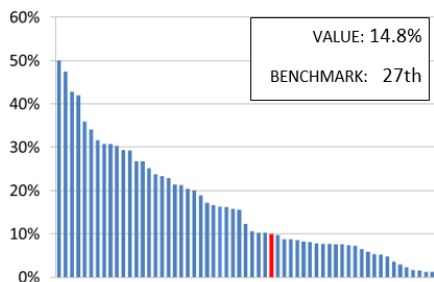


This report is intended for farmers. Veterinary practitioners and advisors can get more detailed information by contacting Teagasc. Written authorization from the farmer will be required before any data can be shared.

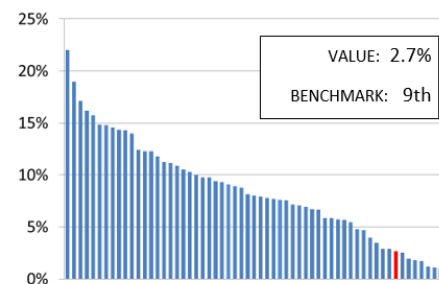
PERCENTAGE OF PLEURISY



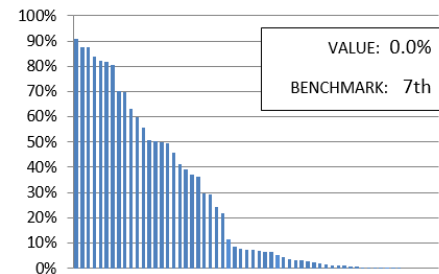
PERCENTAGE OF PNEUMONIA



PERCENTAGE OF PERICARDITIS



PERCENTAGE OF MILK SPOTS





# Reports | Factory checks



Farmer BQ3Teagasc  
Factory Report 12/04/2018

SLAP/Date	No Lungs scored	Pleurisy		
		% Dorso-Caudal Pleurisy	Average score Dorso- Caudal Pleurisy	% Cranial Pleurisy
ZXXXX	460	[scores 0,2,3 and 4]		
15/12/2016	134	11.2%	2.40	13.4%
18/04/2017	35	17.1%	3.00	17.1%
29/11/2017	77	2.6%	3.50	3.9%
23/02/2018	214	5.1%	3.09	11.7%
Average	115	9.0%	3.00	11.5%

SLAP/Date	No Lungs scored	EP-like lesions		
		% Bronchopneumonic Lungs	% Average Surface Affected Out of Pneumonic Lungs	% Scar
ZXXXX	460			
15/12/2016	134	39.6%	8.1%	20.1%
18/04/2017	35	34.3%	9.4%	31.4%
29/11/2017	77	33.8%	10.8%	13.0%
23/02/2018	214	37.9%	9.5%	9.8%
Average	115	36.4%	9.5%	18.6%

SLAP/Date	No Lungs scored	Heart	Liver
		% Pericarditis	% Milk Spots
ZXXXX	460		
15/12/2016	134	9.0%	0.0%
18/04/2017	35	11.4%	0.0%
29/11/2017	77	24.7%	0.0%
23/02/2018	214	13.6%	5.1%
Average	115	14.7%	1.3%

## Detailed report

Your results by SLAP  
and date

Global average

Severity of lesions





# Reports

| Use of  
Antimicrobials

How does your farm compare  
to others?

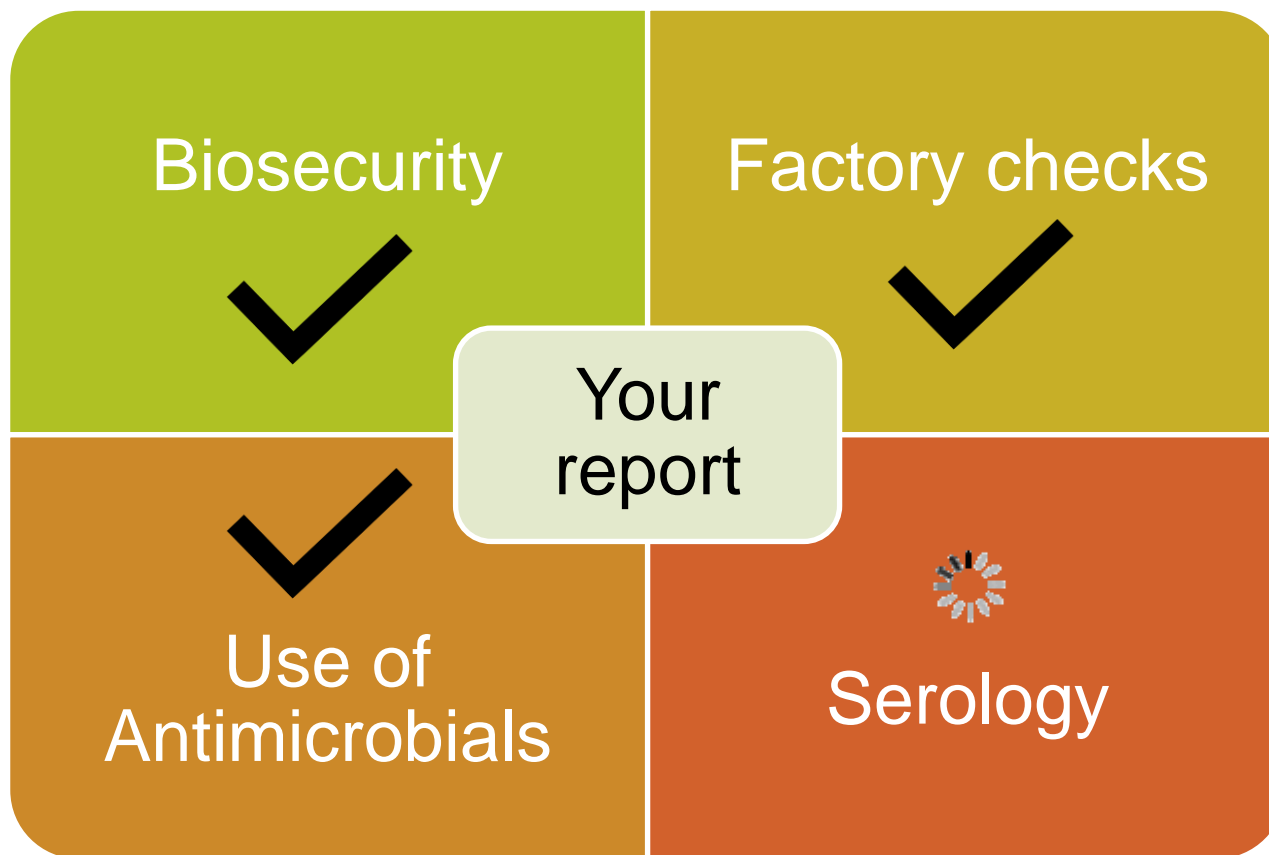
Routes of Admini

**Next presentation!!**

sed in your



# Reports



Farmer | Vet | Advisor



# Take home message

- Each farm is a different case

- Gather your Team:
  - FARMER + advisor + vet

- Discuss results
- Decide next step



**To all**

**Farmers**

**&**

**Slaughterhouses**

**Thank you!!**

Thanks for  
your  
attention!

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*That's All folks!*