

# AUJESZKY'S DISEASE

## CONTROL AND ERADICATION PROGRAMME IN IRELAND



Department of  
**Agriculture,  
Fisheries and Food**

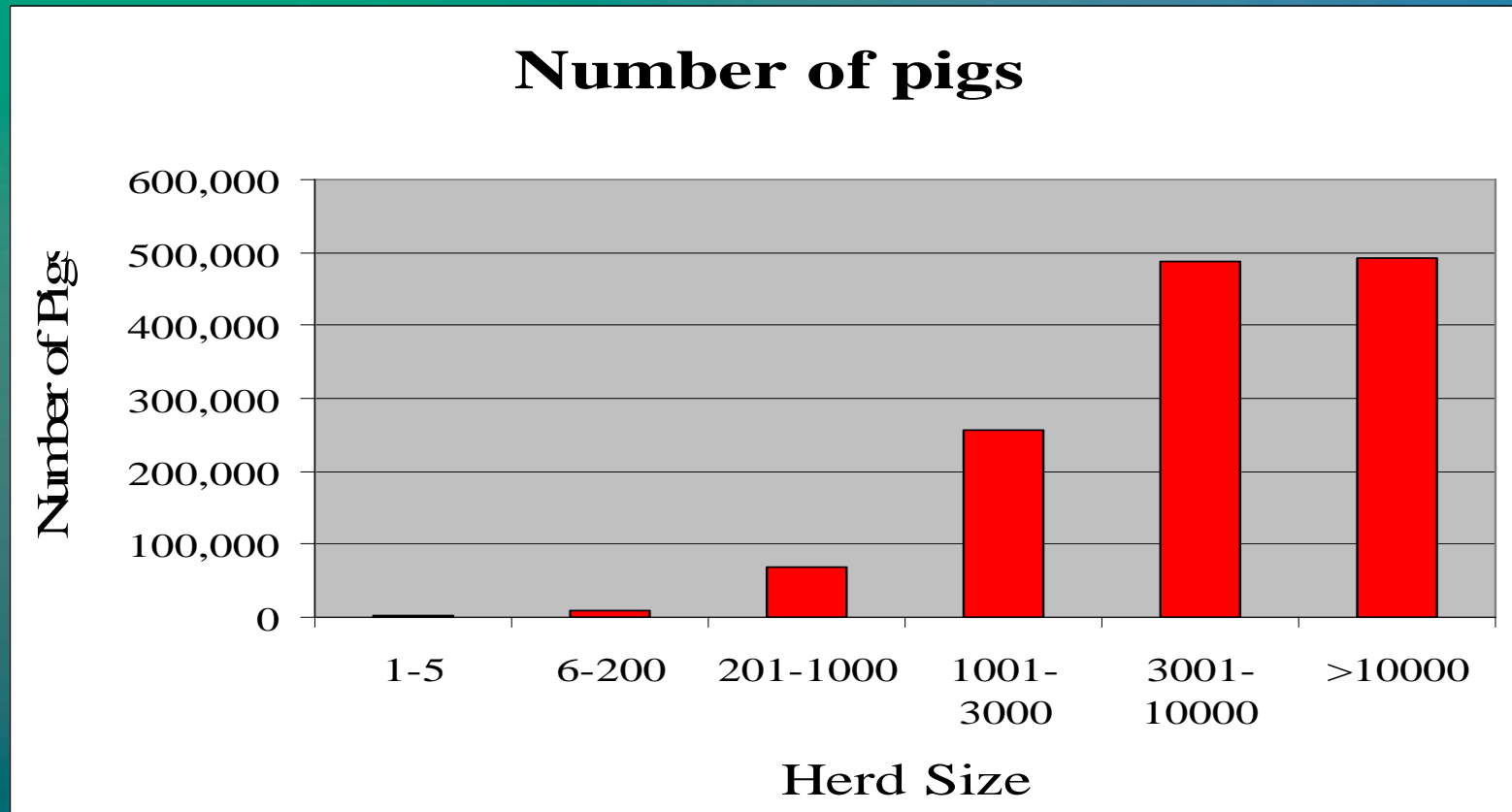
An Roinn  
**Talmhaíochta,  
Iascaigh agus Bia**

# Structure of the Pig Industry In Ireland

## Pig numbers in Ireland 2000 – 2009



# Total Number of Pigs in Ireland by Herd Size



# Reasons for the Programme

- Aujeszky's Disease first diagnosed in Ireland 1960
- Development of vaccines
- Development of National Pig Identification and Tracing System
- Level of infection in Ireland considered low
- Possibility of eradication?

# National Pig Identification and Tracing System

- NPITS – operational since July 2002
- Registration
  - central database
  - all herds
  - compulsory
- Identification
- Movement documents
- Movement notification
  - central movement database



Department of  
**Agriculture,  
Fisheries and Food**  
An Roinn  
**Talmhaíochta,  
Iascaigh agus Bia**

# National Aujeszky's Disease Control and Eradication Programme

- Central Authority
- Legislative basis – SI 479/2002 – compulsory
- Area of implementation
  - all the territory of the State
- Disease categories
- Movement controls
- Disinfection procedures
- Management of positive herds

# Disease Categories

- **Category 1:** two negative herd blood tests four months apart. 95% confidence/ 1% seroprevalence. No vaccination
- **Category 2:** negative herd blood test 95% confidence/ 5% seroprevalence. Vaccination permitted
- **Category 3:** serological positive animals identified at 95% confidence/ 5% seroprevalence deemed an infected herd. Vaccination compulsory

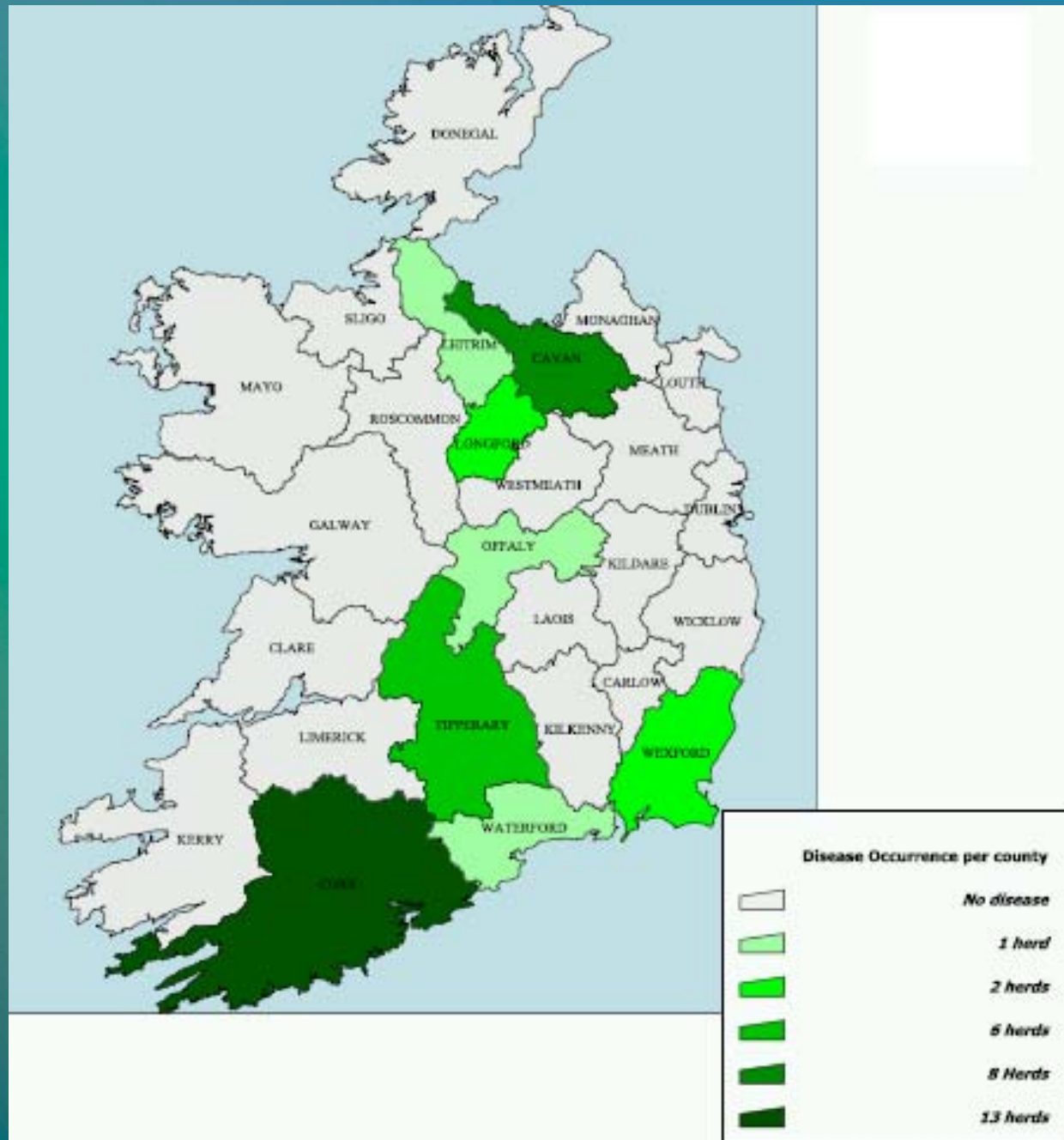
# Control and Eradication Programme: Phase 1 – 2003-2004

- Blood testing a statistical sample of pigs on-farm in every herd, however small. (95/5 sampling regime)
- Grant an Aujeszky's status to each herd
- Regulation of trade between herds of comparable disease status
- Implementation of a control programme and compulsory vaccination of positive herds

# Outcome of Sero-surveillance: Phase 1

Total number of herds sampled	Total number of samples	Total number of positive herds	Total number of positive animals	% of positive herds	% of positive animals
1,176	59,458	34	703	2.8	1.18

# Incidence of Aujeszky's Disease in 2003



Department of  
**Agriculture,  
Fisheries and Food**  
An Roinn  
**Talmhaíochta,  
Iascaigh agus Bia**

# Management of Positive Herds

- Supply to slaughter-plant only
- Control and Eradication plan
  - Compulsory vaccination
  - Risk reduction
  - Bio-security measures
  - Carcass disposal
  - Selective culling



# Strict Procedures for Re-categorisation

- **No de-stock:**
  - 2 tests
    - 95/1
    - 4 months apart
- **De-stock:**
  - supervised cleaning and disinfection
  - 2 tests
    - 95/2
    - 4 months post re-stock and again 4 months later

# Control and Eradication Programme: Phase 2 – 2005-2007

- All breeding stock to 95/5
- Substantial random factory testing of fatteners

# Outcome of Sero-surveillance in Phase 2

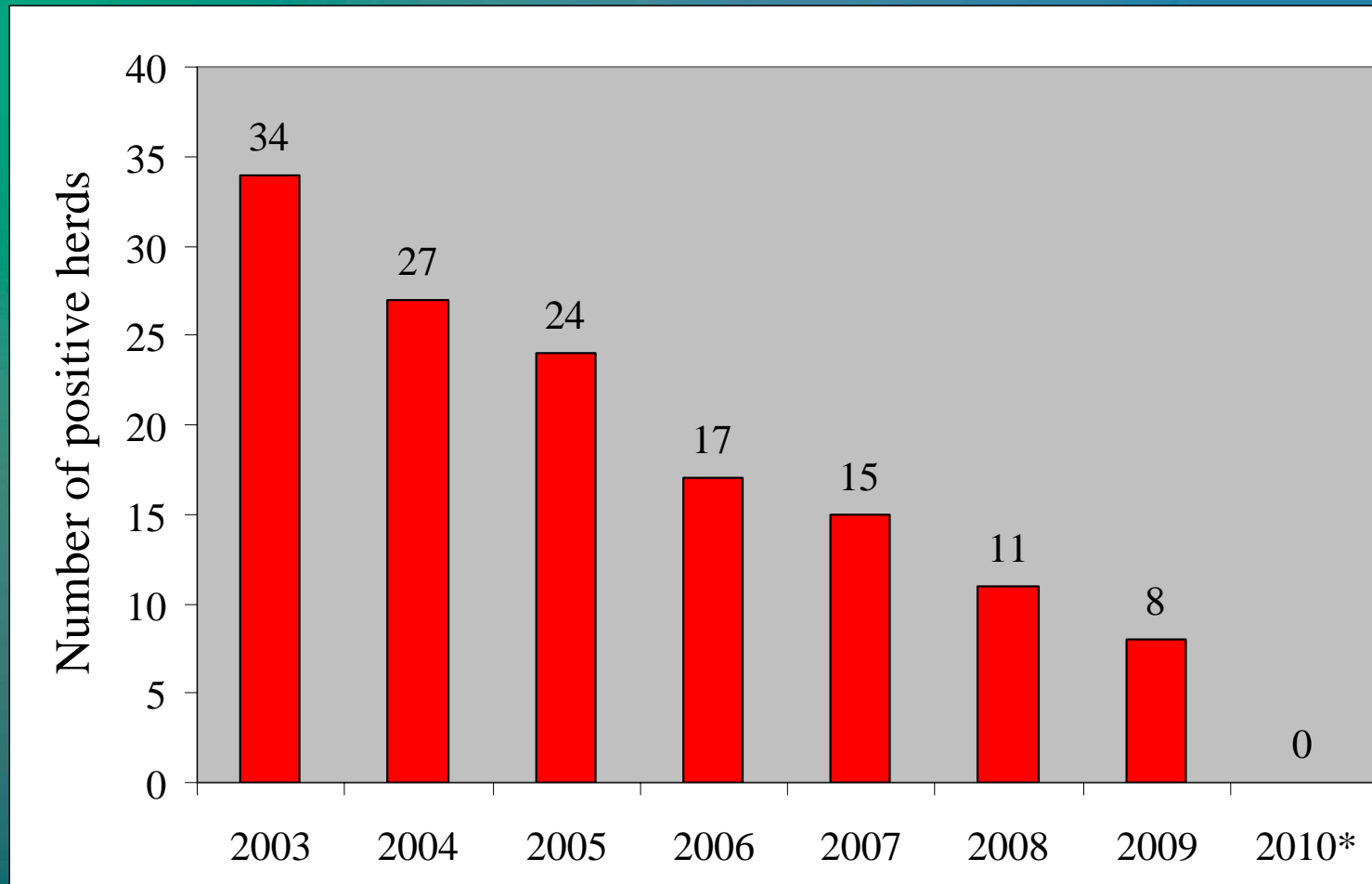
Total Number of herds	Total number of samples	Total number of positive herds	Total number of positive animals	% of positive herds	% of positive animals
649 breeding herds	22,787	2	41	0.3%	0.1%
Factory sampling 264 unique herds	16,254	0	-	-	-

# Phase 2 – Monitoring: 2007-2009

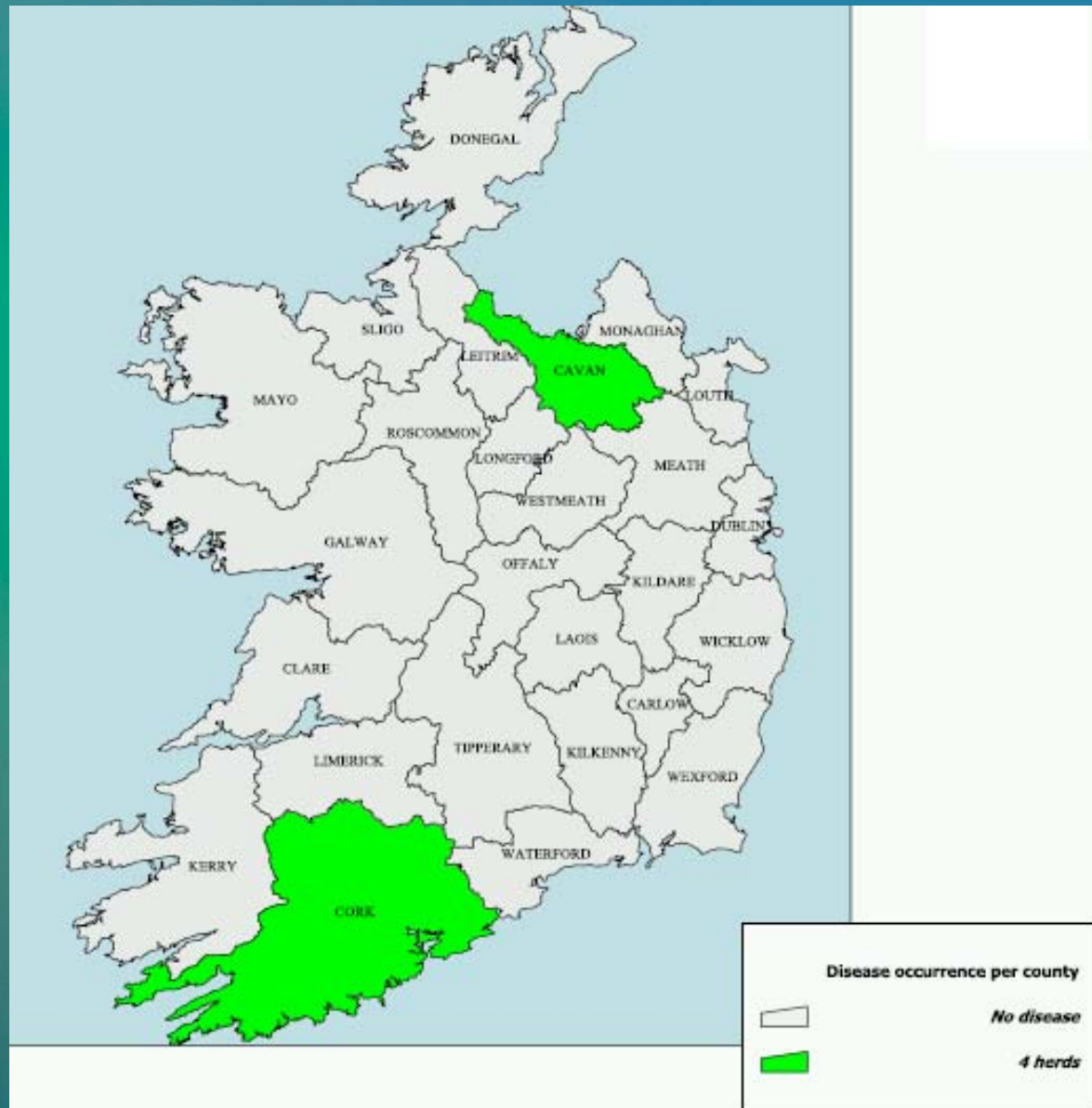
- 33,634 samples
  - Compulsory ongoing monitoring
  - Commercial testing

**All negative**

# Management of Positive Herds - Outcome



# Aujeszky's Positive Herds 2009



# Current Disease & Vaccination Status

- No clinical cases since 2000
- No positive herds
- Vaccination now at zero

# Control and Eradication Programme: Phase 3

- Guidance offered by Document SANCO/3023/3008
- Results to date indicating an extremely low/zero incidence of disease
- Tight control over all historically positive herds
- Progress made to a point where no positive herds remain
- Structure of the Irish pig population

# Launch of Phase 3

- Breeding and integrated herds:
  - on farm seroprevalence test of breeding pigs to 95/2 confidence level
- Fattening herds:
  - factory test of fatteners from each herd to 95/2 confidence level

**Thank you for your attention**



Department of  
**Agriculture,  
Fisheries and Food**  
An Roinn  
**Talmhaíochta,  
Iascaigh agus Bia**