



Economic impact

In the UK, it was estimated that a **400-sow** breeding herd with an acute Erysipelas outbreak could lose **388** pigs due to abortions and sow mortality (for 2008, this would have cost £14,000).

Chronic Erysipelas in a **600-head finisher herd** from the UK could result in **58 pigs being euthanized** and **31 condemned** for a
total loss of **£17,451** over a six-month period.



Erysipelas accounted for >37% of causes of whole carcass condemnations in a pig slaughterhouse in Tuscany (Italy).¹

¹ Guardone L, et al. A Retrospective Study after 10 Years (2010-2019) of Meat Inspection Activity in a Domestic Swine Abattoir in Tuscany: The Slaughterhouse as an Epidemiological Observatory. Animals (Basel). 2020



Prevalence

Erysipelas is worldwide distributed and ubiquitous.

It is estimated that approximately 30-50% of healthy pigs carry *E. rhusiopathiae*.



Diagnosis

E. rhusiopathiae is known to cause 3 main clinical manifestations in animals:

- Acute
- Subacute
- Chronic disease.



Key points to recognize erysipelas:

- High fever (41 to 42 °C), usually without respiratory signs or diarrhoea.
- Rhomboid or diamond shape skin lesions.
- Swollen joints and lameness (pain in the legs).
- Piglet sudden death.
- Infertility, irregular returns to oestrus, abortions, increased numbers of mummies and stillbirths, and small litters.

 Endocarditis (growths on the valves inside the heart).

When fresh foetal tissues are available, detection of E. rhusiopathiae by PCR is the test of election, as a positive result is highly indicative of the reproductive problem aetiology.





Treatment and prevention

performance in breeding herds. They should include:

Control and prevention of erysipelas are key to ensure good reproductive









d reduce disease prevalence

No herd, irrespective of its health status, is **likely to be free of** *E. rhusiopathiae* **infection** and therefore **eradication is not possible or very unlikely.**