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Herds Restricted

4,486

In the last 12 months



4,513

In the previous 12 months



Reactors



20,196

in the last 12 months

21,845

in the previous 12 months

Herd Incidence



4.25% ————— **4.25%**
27 June 2021 26 June 2022

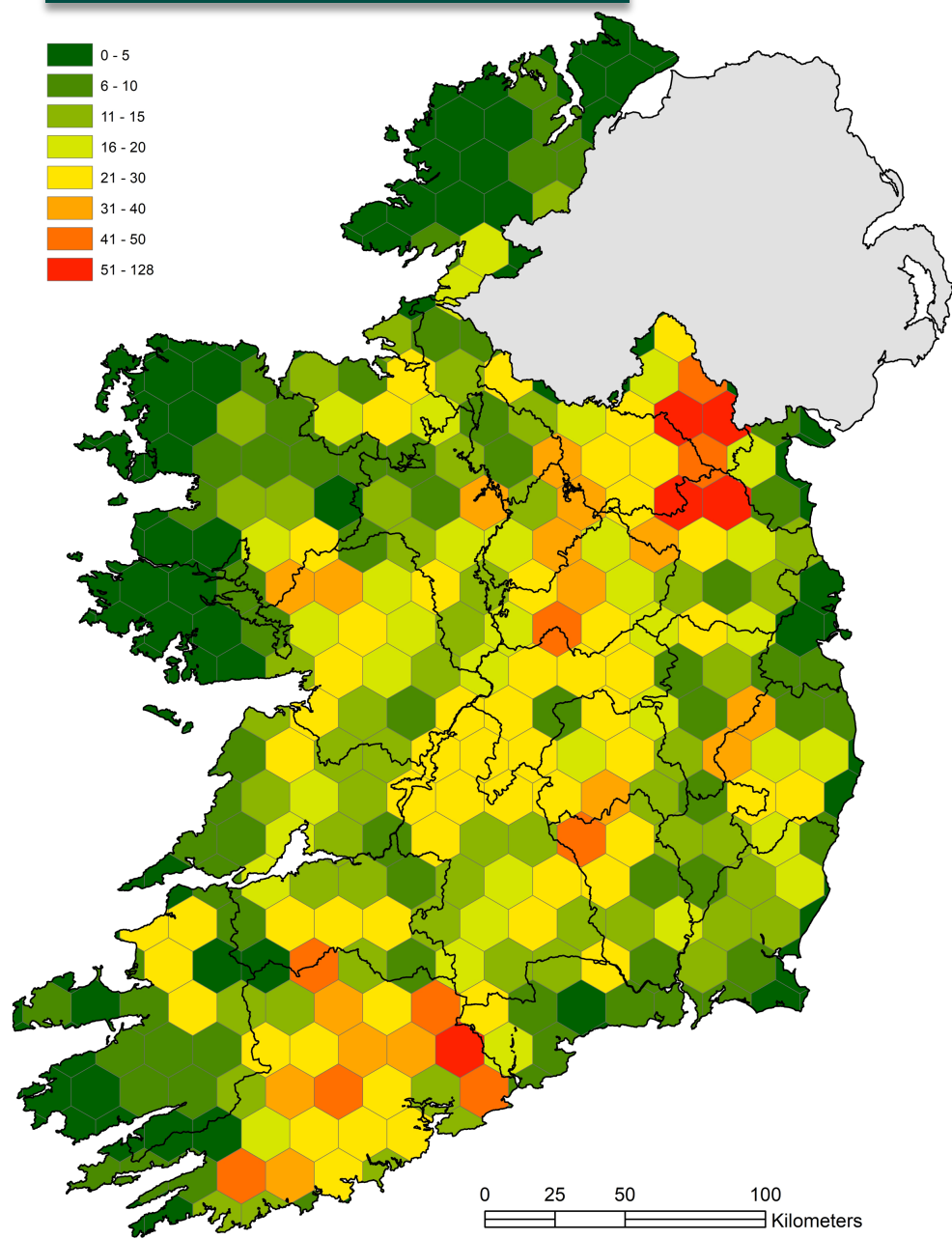
5-year herd Incidence



2021 - 4.33% 2020 - 4.38% 2019 - 3.72% 2018 - 3.51% 2017 - 3.47%

New restriction in the last 12 months Q1 2022

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- 21 - 30
- 31 - 40
- 41 - 50
- 51 - 128



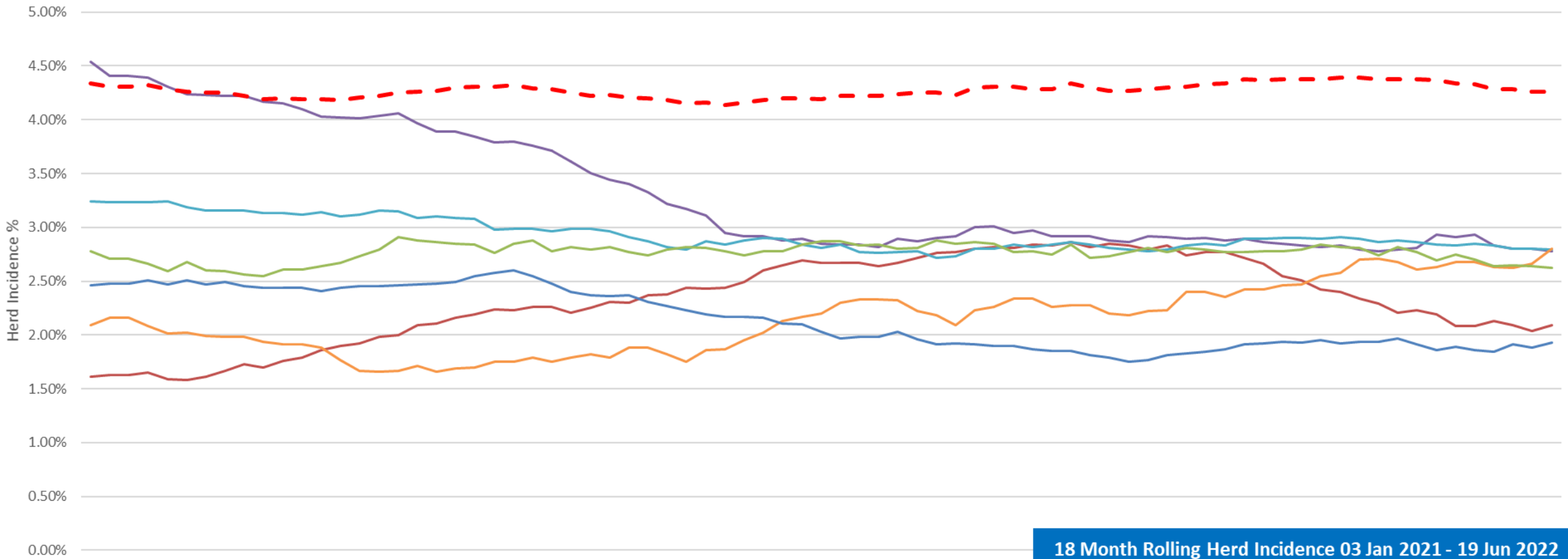
0 and 3%

Currently Between 0% and 3%

RVO & National Herd Incidence

Graph 1 of 6

Clare RVO Donegal RVO Galway RVO Leitrim RVO Mayo RVO Roscommon RVO National Herd Incidence



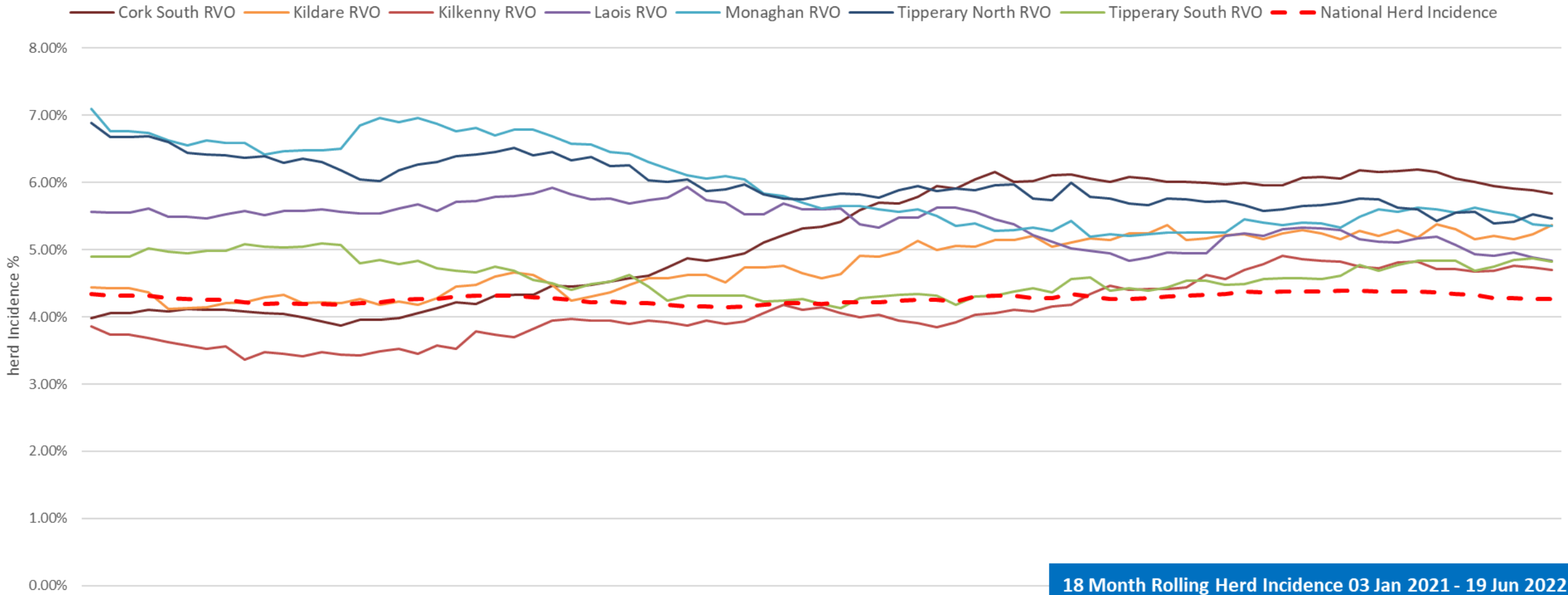
18 Month Rolling Herd Incidence 03 Jan 2021 - 19 Jun 2022

4.5 – 6.5%

Currently Between 4.5% and 6%

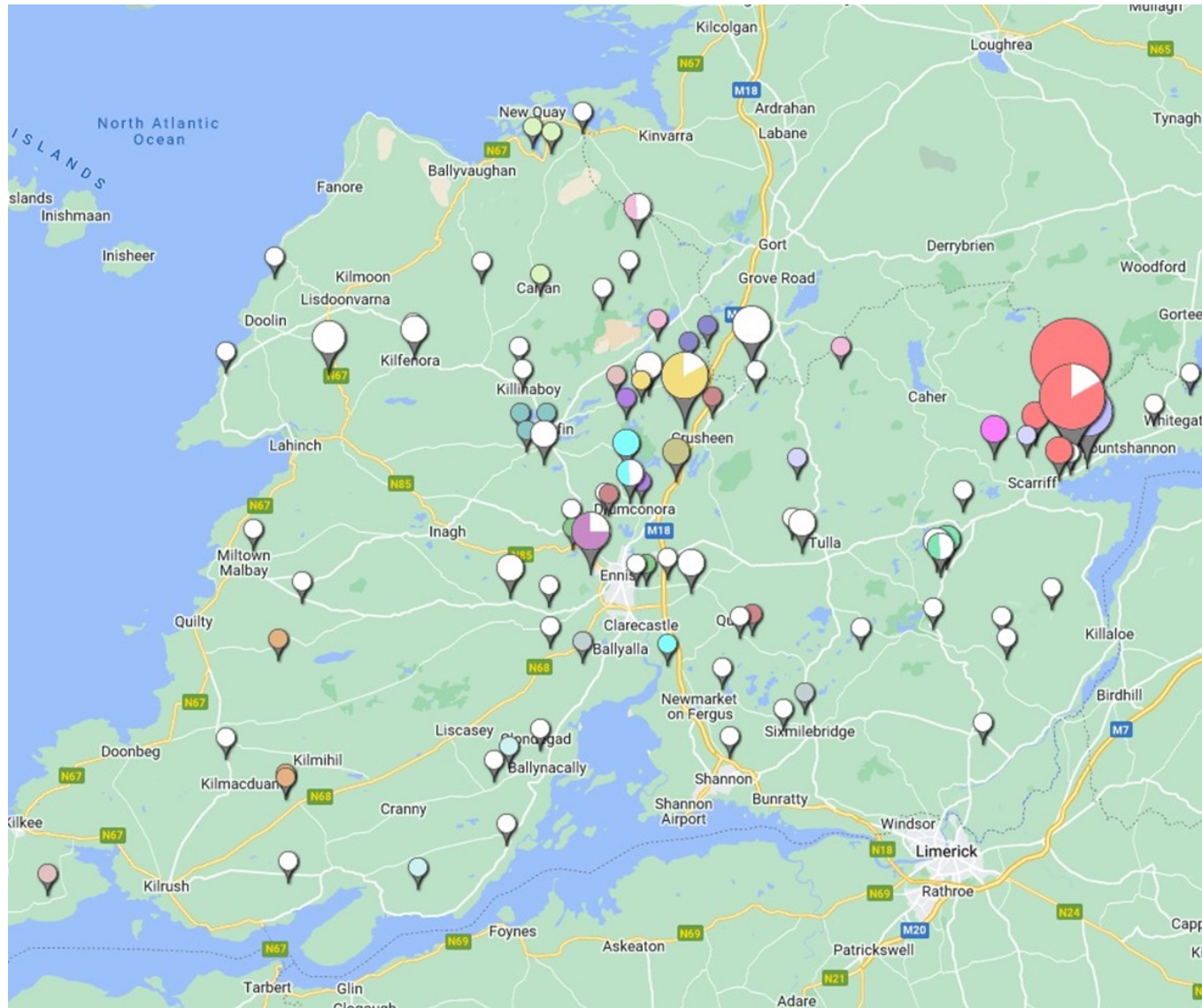
RVO & National Herd Incidence

Graph 4 of 6



18 Month Rolling Herd Incidence 03 Jan 2021 - 19 Jun 2022

Mapping data for 164 *M. bovis* isolates from Co. Clare.



Samples that are related are highlighted by different colours.

In this area we can identify 20 separate clusters of related samples (n=41, 6, 6 and 4 in decreasing order of cluster size).

The number of samples that we were able to resolve into clusters by WGS was 97 out of 164 samples.

Note: the samples in white are not related to each other or to other samples in the database from Clare.

Case study – Brian Gormley VI, Donegal

- Donegal suckler beef herd
- 63 cattle
- Previous breakdown June 2011, 2 reactors
- Well run operation

- Breakdown in April 2019 (still housed- 2 sheds)
- 28 skin reactors plus 4 more GIF – 32 in total
- 17 cows / heifers, 13 calves, 2 bulls

SOURCE OF INFECTION

- No Contiguous TB.
- No TB Bought in

- Wildlife not considered likely
- Infection occurred during housing, calves infected
- 3 separate grazing fragments, infected cattle grazed all 3
- Low level of badger activity on surveys

Problem cow

- Cow 209 (born 2008)
- Skin test negative, but GIF positive
- Recumbent at time of GIF test
- Very thin, and had been loosing weight for > 18 months
- Sent for PM in Sligo RVL
- Milary TB in peritoneum, liver, spleen, pleura, lungs, Lymph nodes (pulmonary, abdominal and head)

Problem cow

- Moved around the 2 sheds
- Beside heifers , moved in beside the bulls, moved to the cow shed

- Conclusion:
- Source of the infection for the outbreak - 209
- Infected at previous outbreak (2011) or by wildlife
- Anergy