



# Bovine TB Dashboard

Llywodraeth Cymru  
Welsh Government

Data up to Quarter 4 2023

Updated 10 April 2023

The Welsh Government is committed to providing transparent, easily accessible TB information. We have developed a TB dashboard to present TB data visually and make the information easy to understand. The dashboard filters the vast range of available data into a handful of key TB measures for Wales sourced from Animal and Plant Health Agency (APHA) Epidemiological data. The dashboard shows the disease situation across Wales and demonstrates the progress our TB eradication programme has made.

This update includes publication of the **Badger Found Dead Survey** data. This includes a back series of sampling results from the beginning of the data collection that started in Quarter 3 of 2014. Please note that due to the time it takes to sample the carcasses, sample results for this quarter and the previous quarter are not completely available. This will be amended in future updates. It's important to be careful when making inferences from TB positive samples. See below for a link to the Badger Found Dead Survey page.

## Contents:

<a href="#">Text Summary</a>	Text summary of latest Bovine TB epidemiological statistics for the latest quarter.
<a href="#">Data Summary</a>	Summary of latest Bovine TB statistics by quarter.
<a href="#">TB Area Summary</a>	Summary of latest Bovine TB statistics for each TB Area.
<a href="#">Incidence Trends</a>	Visualisations showing new, closed and open incidents, incidence, prevalence and animal-level risk and recurrence.
<a href="#">Incidence Map</a>	Visualisation showing new and open incidents geographically across TB areas in Wales.
<a href="#">Herd Density Map</a>	Visualisation showing cattle density geographically across TB areas in Wales.
<a href="#">Percentage TB Free</a>	Visualisations showing the percentage of TB free herds in Wales over time.
<a href="#">Recurrence Summary</a>	Visualisations showing the recurrence of herds over time and a map recurrent breakdowns at each quarter.
<a href="#">Slaughtered Trends</a>	Visualisations showing the number of animals slaughtered due to TB over time.
<a href="#">Slaughtered Map</a>	Visualisation showing the animals slaughtered due to TB across TB areas in Wales.
<a href="#">Action Plan Herds</a>	Summary of latest Bovine TB statistics for Action Plan herds.
<a href="#">Badgers Found Dead</a>	Summary of the number of badgers found dead and sample results reported by the Badger Found Dead Survey.

## Information:



Hover over this symbol to see further information relating to the data visualisation it sits next to.

The statistics in this report are obtained from the Animal and Plant Health Agency (APHA) work management system (Sam), used for the administration of TB testing in GB.

The data, cleansed firstly at APHA Weybridge then locally at APHA Wales, are a snapshot of the date on which the figures were extracted. The data are extracted within one month of the reporting period and may be subject to revision until all test results are available or Sam data fixes are applied. Historical data is not routinely revised in this report. The report is not based on published official statistics.

Within this dashboard the following quarters are defined as: Q1 - January to March; Q2 - April to June; Q3 - July to September; Q4 - October to December.

National Statistics published by Defra can be accessed [here](#). Different methodologies have been used to produce these quarterly statistics and the monthly statistics published by Defra, therefore there may be small discrepancies.

We welcome any feedback on this dashboard which can be provided by email to [bovineTB@gov.wales](mailto:bovineTB@gov.wales). When submitting feedback please title the subject as TB Dashboard.



Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

## 2023 q4



Reset page  
selections



Home

### Key points

The page below is a text summary of the latest TB scenario in Wales for the quarter stated above. Please note that this will be updated each quarter and the text summary for previous quarters will not be available.

Click on the buttons below to select Wales or a TB area.

Wales

High TB East

High TB West

Intermediate TB Mid

Intermediate TB North

Low TB

## Wales

### Open incidents

The number of open incidents generally decreased from Q2 2012 to Q3 2014. Since then, the number of open incidents has generally fluctuated between 546 and 698 per quarter. Open incidents for Q4 **2023 increased by 2.9% compared to the previous quarter from 616 to 634.**

### Incidence

Incidence (new breakdowns per 100 OTF tests) was 5.4 for Q4 2023 compared to 6.2 for Q4 2022.

Over the long term there has been a fall in incidence in Wales. There are fluctuations between quarters which reflect the seasonality of the trend largely due to increased testing in the winter months. Incidence in Q1 2022 was the lowest recorded in the time series at 4.6.

### Herd Prevalence

Herd prevalence (herds restricted at the end of quarter per 100 live herds) for Wales for Q4 2023 was 5.5%. This is higher than prevalence for Q4 2022 at 5.3% but lower than Q4 2018 at 5.7%.

### TB free herds

At the end of Q4 2023, 94.5% of herds in Wales were TB free. This is lower than the previous year (94.7%) but higher than Q4 2018 (94.3%).

### Recurrence

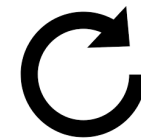
29.0% of incidents closed during Q4 2021 entailed a recurrence in the subsequent 2 years.



Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

## 2023 q4



Reset page  
selections



Home

### Incidents summary

The page below shows details of TB incidents across Wales at the end of each quarter.

The drop down list below will filter the data by different quarters. Zoom in and out of the map using the scroll bar. Hovering over the charts will show you values for each section.

**On 1 November 2021, there was a temporary reclassification of the three Denbighshire/Conwy Valley spatial units CL1, CL2 and GW1, as part of the Intermediate TB Area North (ITBAN) from the Low TB Area. This change is now reflected in the data within this dashboard.**

Please note:

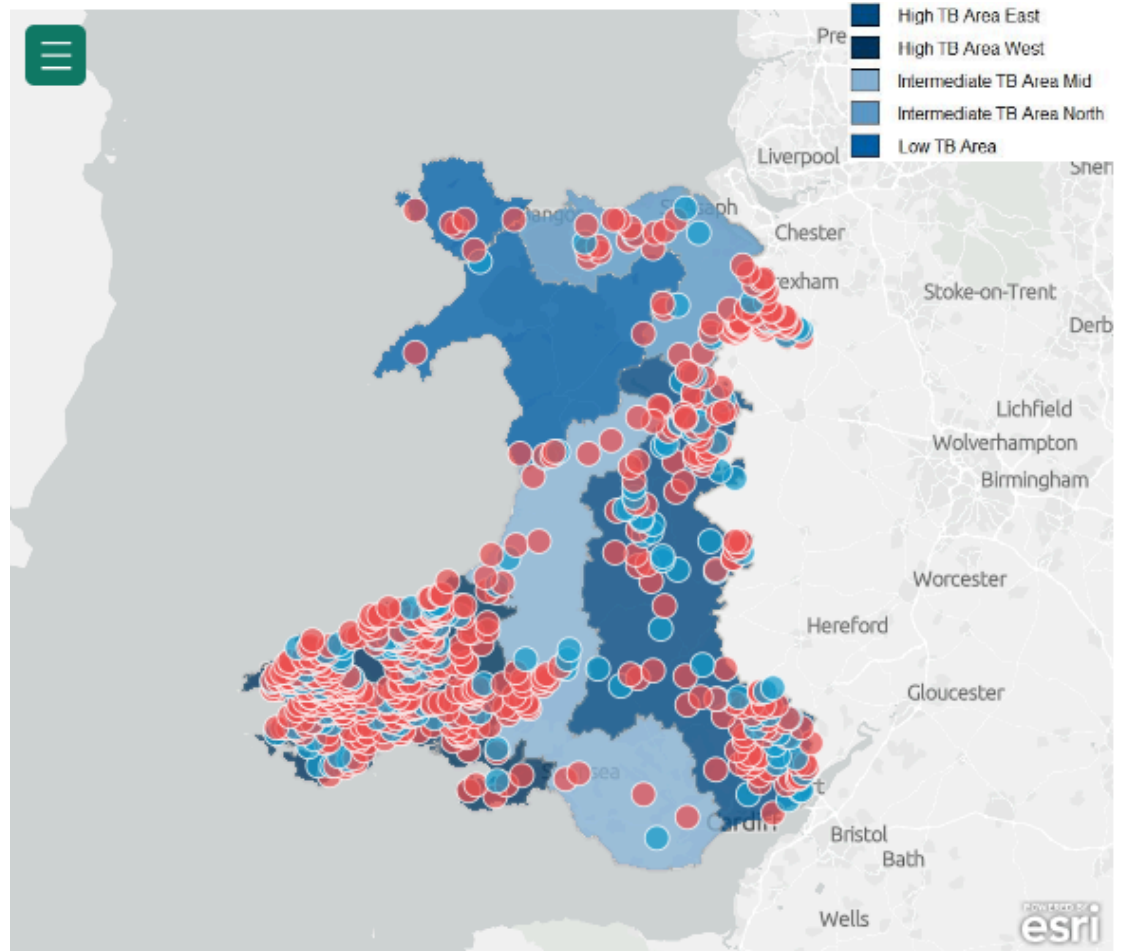
Only one time period can be selected from the drop down list.

View data for:

2023 Q4



● Open incident ● New incident



Region	Live Herds *	New incidents	Closed incidents	Open incidents	Reactors disclosed
Wales	11,515	145	127	634	2,926
High TB West	3,078	69	43	354	1,934
High TB East	2,746	52	39	154	448
Low TB	2,123	3	14	13	94
Intermediate TB Mid	2,005	7	9	35	168
Intermediate TB North	1,563	14	22	78	282

\* Live herds at end of previous year (eg. 2018 for 2019).

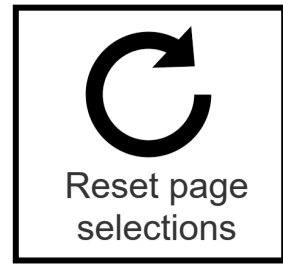


Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

2023 q4

Wales



## Incidents summary by region

The page below shows details of TB incidents across Wales and broken down by TB regions.

The drop-down list below will filter the data by different quarters. Zoom in and out of the map using the scroll bar on the mouse. Hovering over the charts and tables will show you values for each section.

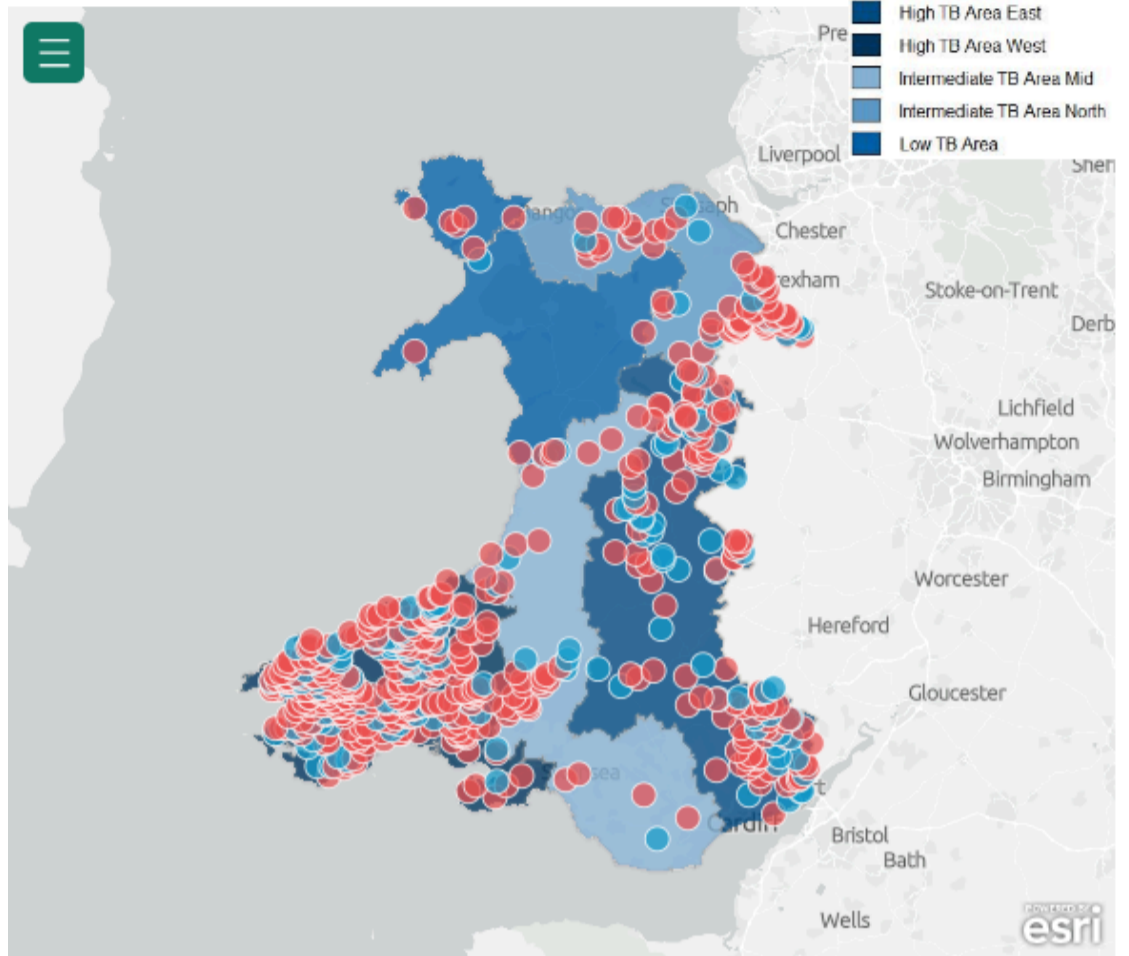
View data for period:

2023 Q4

View data for TB area:

- Wales
- High TB West
- High TB East
- Intermediate TB Mid
- Intermediate TB North
- Low TB

New incident Open incident



Region	Live herds *	New incidents	Closed incidents	Open incidents	Reactors disclosed
Wales	11,515	145	127	634	2,926

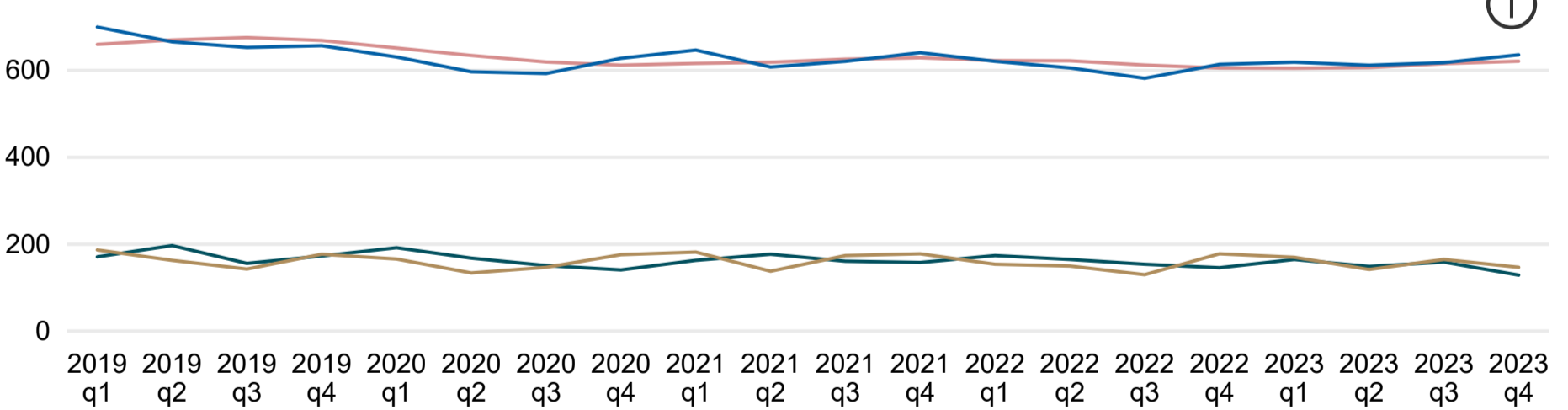
\* Live herds at end of previous year (2017) for 2018.

View data between:

2019 2023

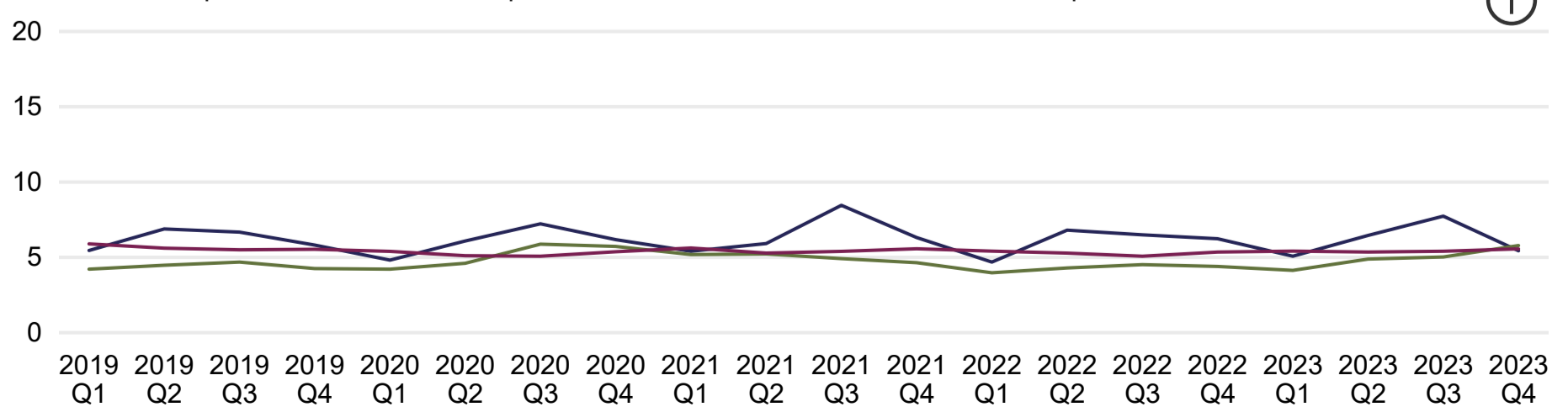
## New, closed and open incidents

Closed incidents New incidents Open incidents - 1 year rolling average Open incidents (total)



## Incidence, prevalence and animal-level risk

New incidents per 100 tests Reactors per 1,000 animals tested TB restricted herds per 100 herds

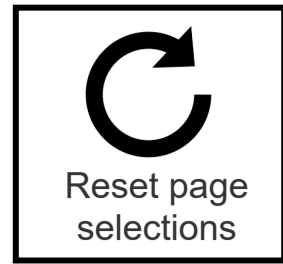




Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

## Wales



### Trends

The buttons below will filter the data by the different TB regions and the gauge will alter the time period of the charts. Hover over the visuals to obtain the figures for the data points.

The recurrence chart can be filtered on how many years a breakdown occurred after a closed incident towards the end of the page.

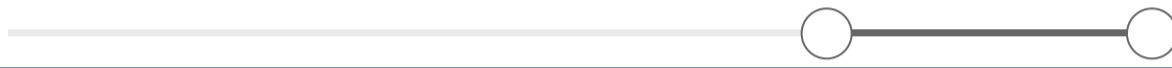
On 1 November 2021, there was a temporary reclassification of the three Denbighshire/Conwy Valley spatial units CL1, CL2 and GW1, as part of the Intermediate TB Area North (ITBAN) from the Low TB Area. This change is now reflected in the data within this dashboard.

View data for:

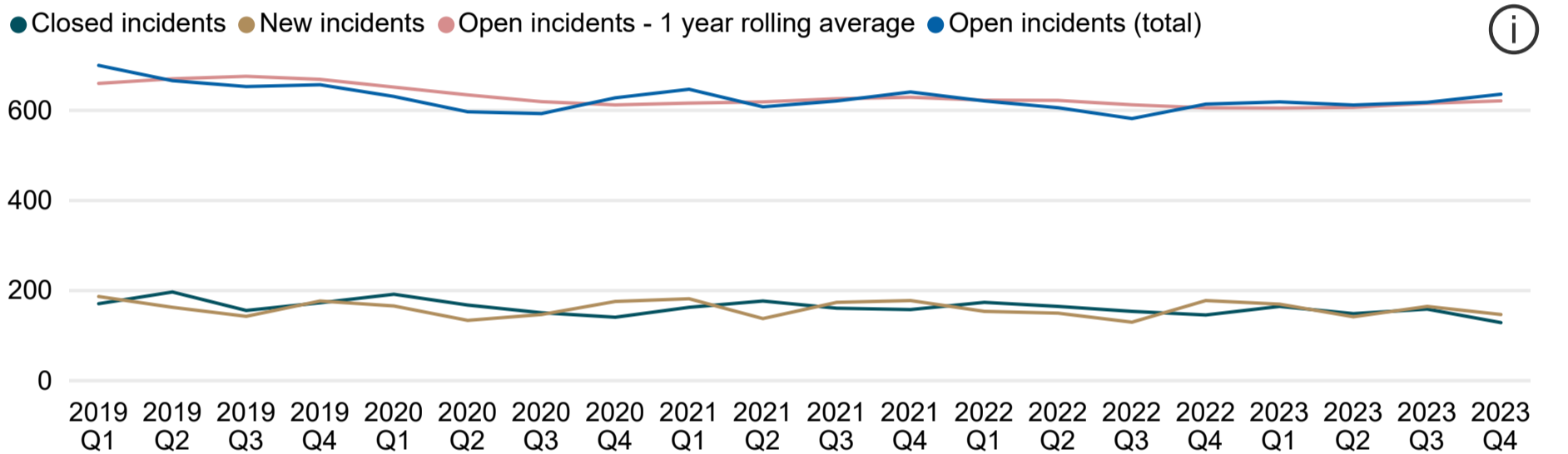
Wales High TB West High TB East  
Intermediate TB Mid Intermediate TB North Low TB

View data between:

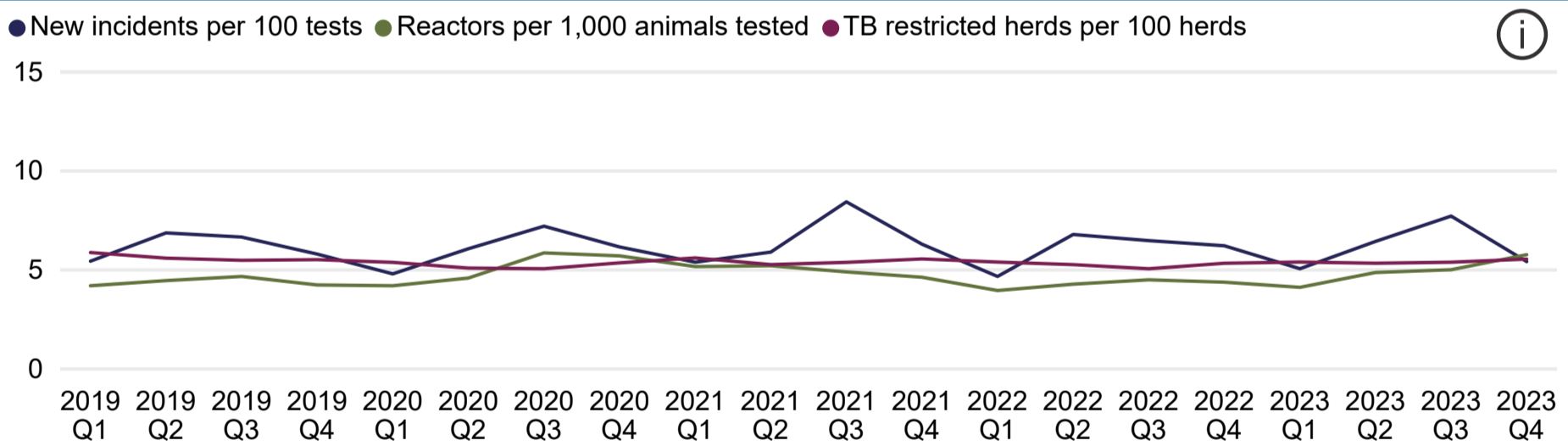
2019 2023



### New, closed and open incidents



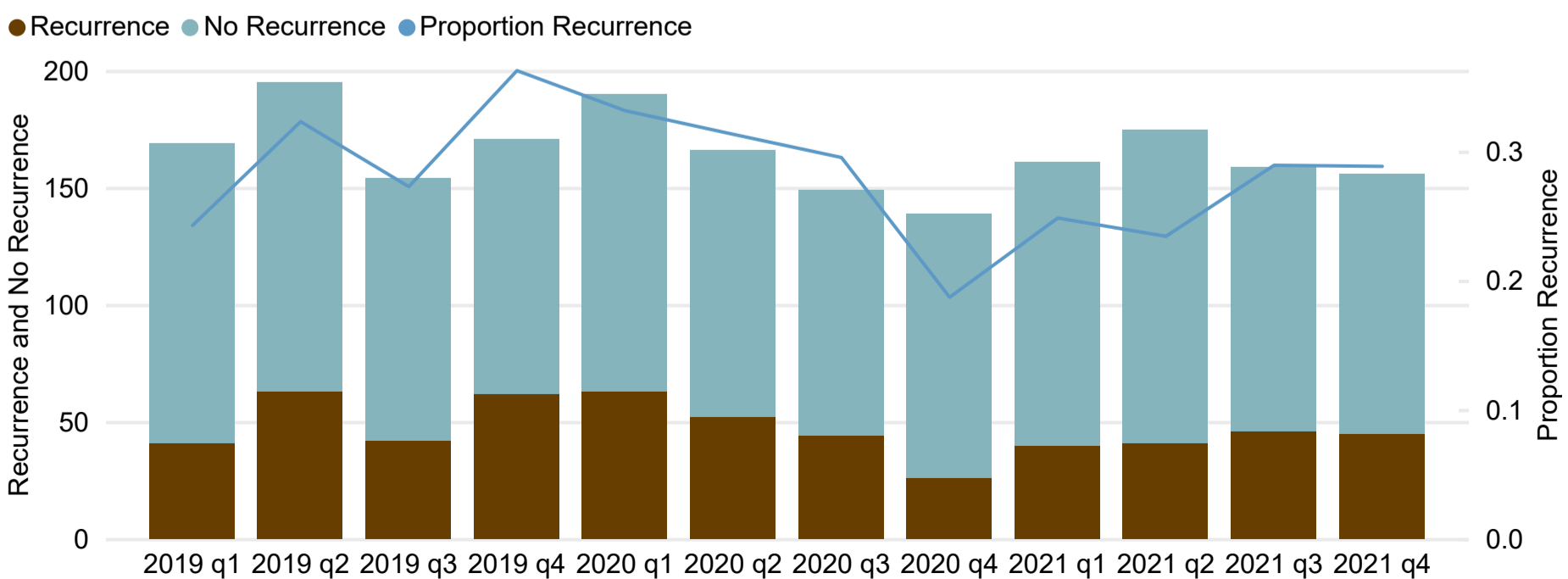
### Incidence, prevalence and animal-level risk



View data for recurrences in:

1 year 2 year 3 year ⓘ

### Recurrence - how many closed incidents break down again?

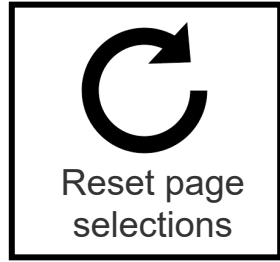




Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

## 2023 Q4



### Map

The page below shows details of TB incidents across Wales and broken down by TB regions.

The dropdown list below will filter the data by different quarters - please note only one time period can be selected from the dropdown list. Zoom in and out of the map using the scroll bar on the mouse.

Incident locations are based on postcode data with the point being mapped to the centre of the post code. Postcodes may span across TB regions.

**On 1 November 2021, there was a temporary reclassification of the three Denbighshire/Conwy Valley spatial units CL1, CL2 and GW1, as part of the Intermediate TB Area North (ITBAN) from the Low TB Area. This change is now reflected in the data within this dashboard.**

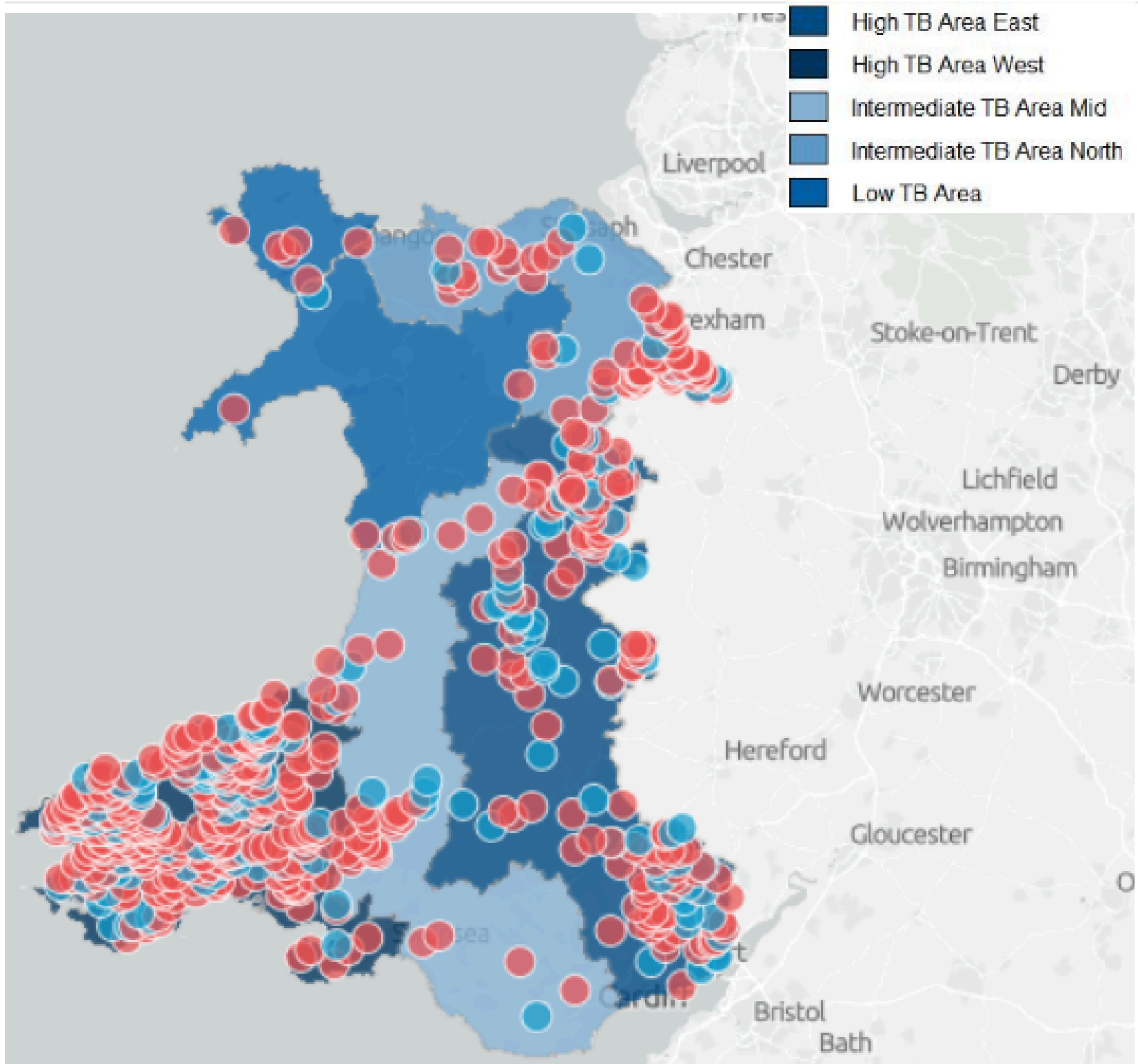
View data for:

2023 Q4

View data for:

Wales	High TB West	High TB East
Intermediate TB Mid	Intermediate TB North	Low TB

● New incident ● Open incident

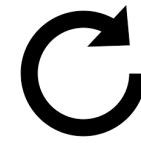




Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

## 2023 q4



Reset page  
selections



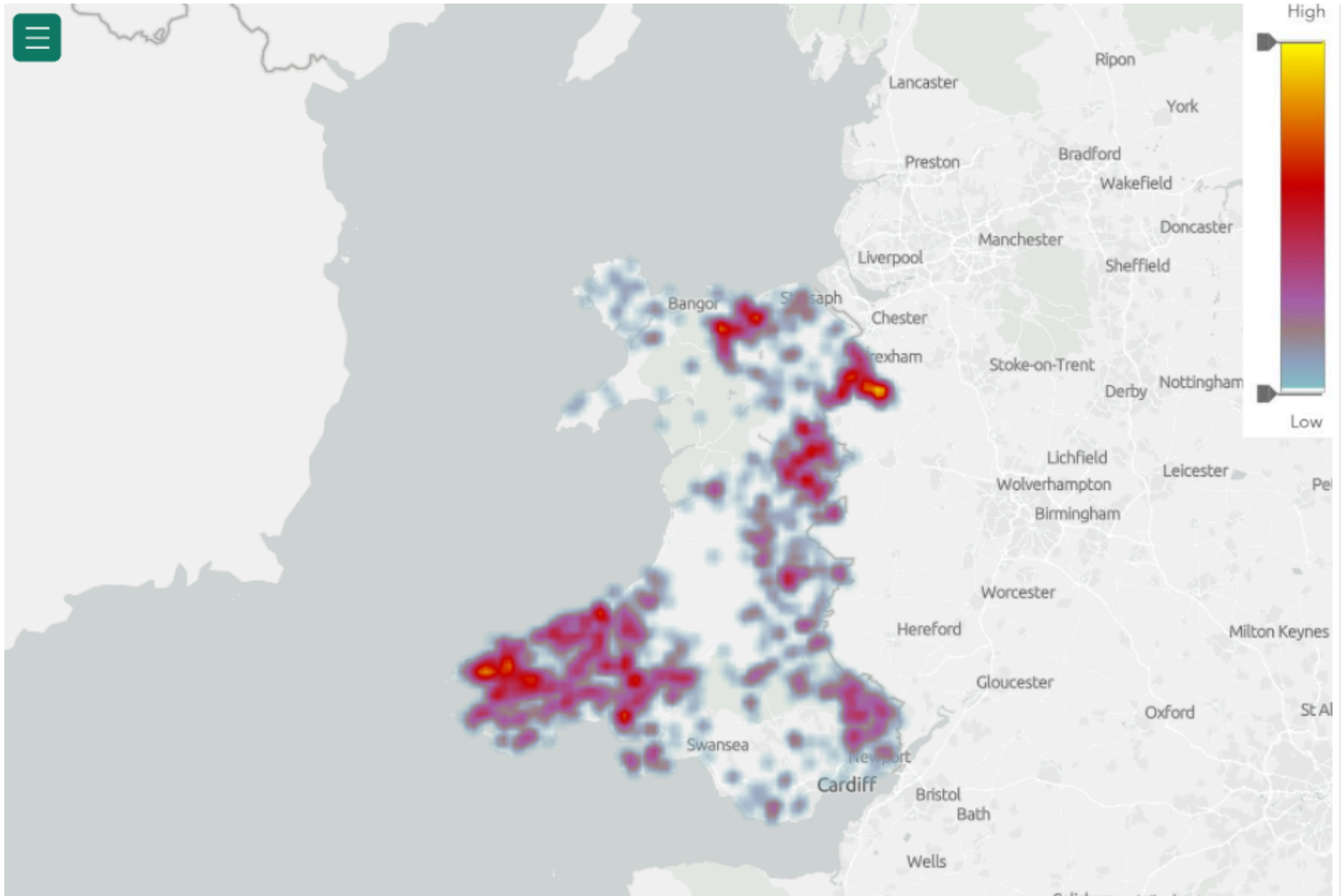
Home

### Herd Density Map

The page below shows the cattle density across Wales. The number of herds for 2023 displays the number of herds at the end of 2022.

Zoom in and out of the map using the scroll bar on the mouse.

Herd locations are based on postcode data with the point being mapped to the centre of the post code. Postcodes may span across TB regions.

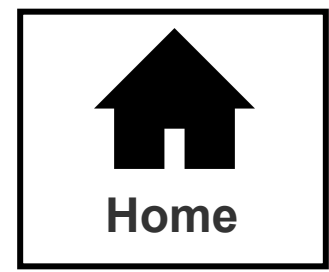
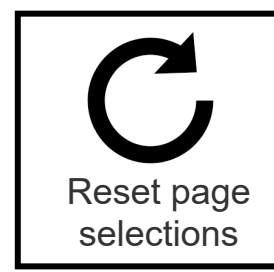




Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

## Wales



### Percentage of TB free herds in Wales

The page below shows the percentage of herds which are TB free in Wales along with the split of TB free dairy and beef herds.

The buttons enable you to select all herds in Wales or navigate between TB areas. Hovering over the charts will show you values for the total number of herds and the percentage which are TB free for each year.

Please note that the breakdown by herd type is not available pre 2012 and the vertical axis displaying the percentage of herds which are TB free begins at 70%. Total live herds in Wales also include a small number of unclassified herd types, these are included in the total number but have not been shown separately in the chart.

View data for:

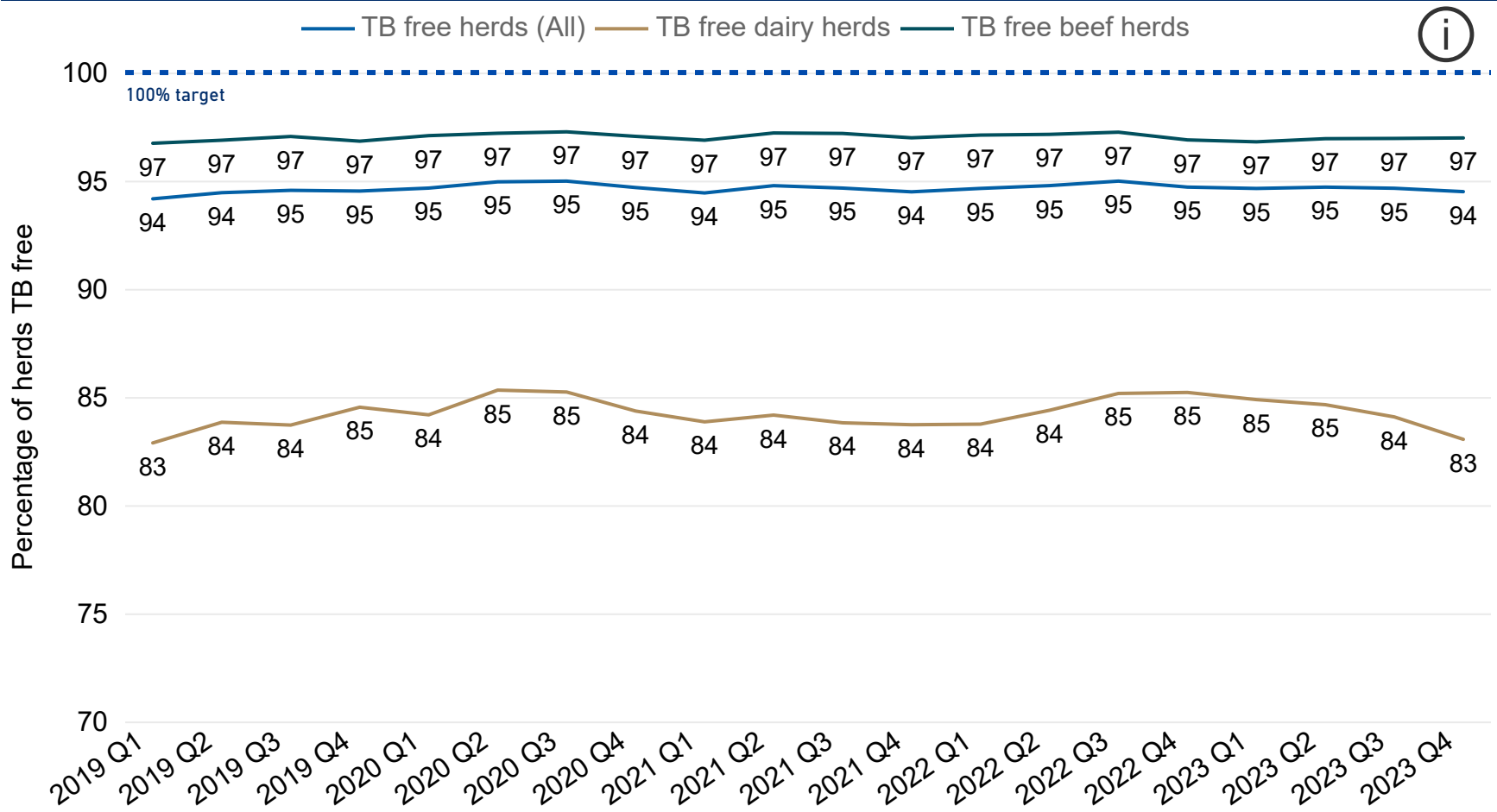
Wales	High TB East	Intermediate TB North
High TB West	Intermediate TB Mid	Low TB

View between:

2019	2023
------	------



### What percentage of herds are TB free?





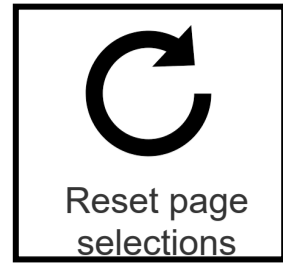


Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

2020 Q4

Wales



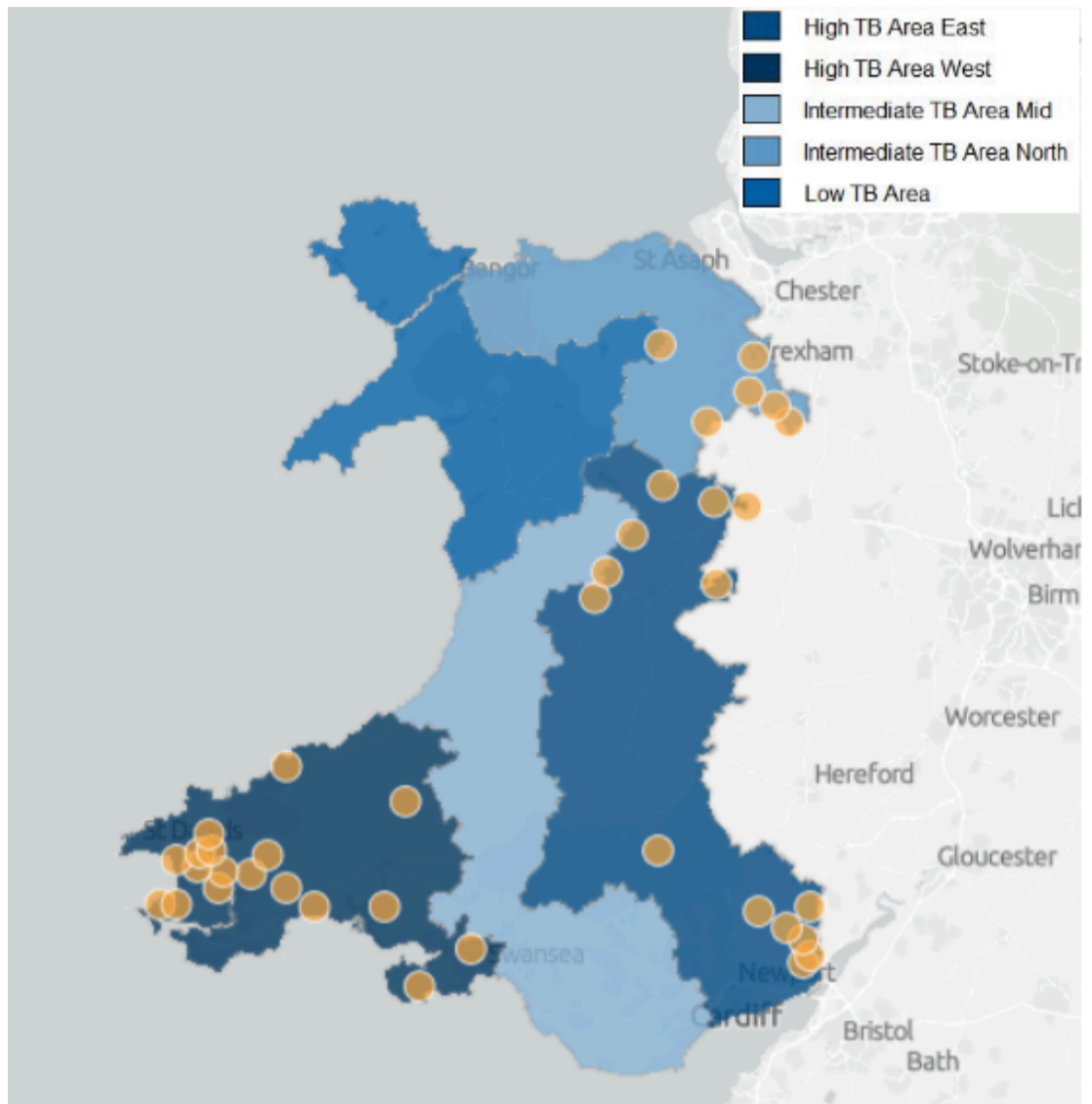
## Recurrence summary

This page shows details of closed TB incidents in the quarter in which another breakdown has occurred during the subsequent period selected below. This is either during the subsequent year, 2 years or 3 years.

The drop down list below will filter the data by different quarters. The points on the map represent incidents closed within the selected quarter which have had a subsequent breakdown in the number of years selected below. Please note only one time period can be selected from the drop down list. Zoom in and out of the map using the scroll bar on the mouse.

Please note, the filter options below are only applicable for the recurrence map. Other filter options are available in the recurrence trends section to filter the data in the chart.

Incident locations are based on postcode data with the point being mapped to the center of the post code. Postcodes may span across TB regions.



View data for incidents closed in:

2020 Q4

View data for TB area:

Wales, High TB East, Intermediate TB North, High TB West, Intermediate TB Mid, Low TB

View data for:

1 year, 2 years, 3 years

## Recurrence trends

This section shows details of closed TB incidents in the quarter in which another breakdown has occurred during the subsequent period selected below. This is either during the subsequent year, 2 years or 3 years.

The date slider filters the time period with the earliest year being 2010 and the latest 2019 for three year recurrences. You can select the number of years between incidents at the same herds, either 1 year, 2 years or 3 years.

Please note, the filter options below are independent of the options in the summary.

View data between:

2018, 2023



View data for recurrences in:

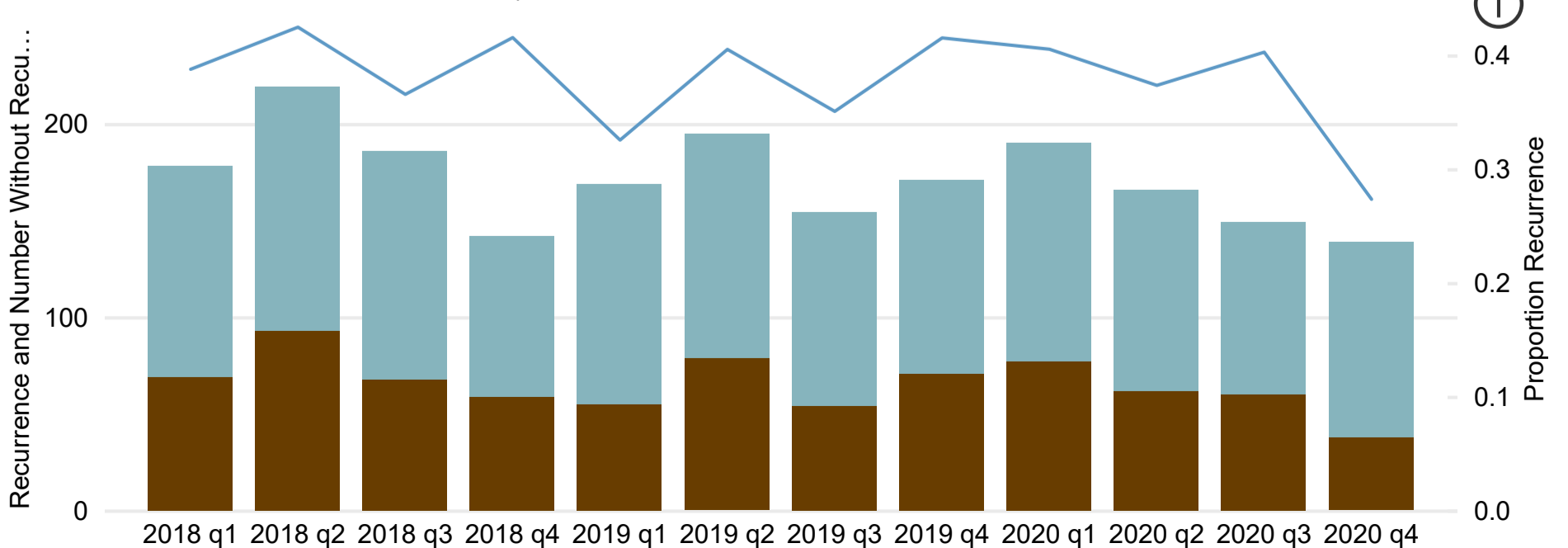
1 year, 2 year, 3 year

View data for TB area:

Wales, High TB East, Intermediate TB North, High TB West, Intermediate TB Mid, Low TB

## Recurrence - how many closed incidents break down again?

● Recurrence ● Number Without Recurrence ● Proportion Recurrence

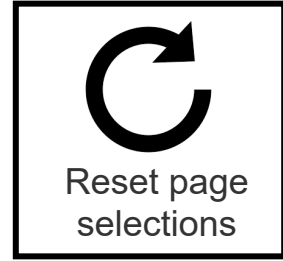




Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

## Wales



### Animals slaughtered trends

The buttons below will filter the data by the different TB regions and the gauge will alter the time period of the charts. Hover over the visuals to obtain the figures for the data points.

The following charts detail the animals slaughtered by different categories such as test result. In some of the charts a four quarter rolling average has been used to illustrate trends. The "Animals slaughtered by test result - 4 quarter rolling average" chart contains duplicated slaughtered animals across the time series and therefore represents an overcount of deaths per quarter. This is because some animals received two different types of tests on the same day which generated two records. For example, an animal may be an antibody and gamma reactor and so the same animal is included in both the antibody reactor and gamma reactor total. The summation of Beef and Dairy herds will not equal the number slaughtered as some animals slaughtered are from other types of herds. These other types of herds have only been excluded from the "Animals slaughtered by herd type chart".

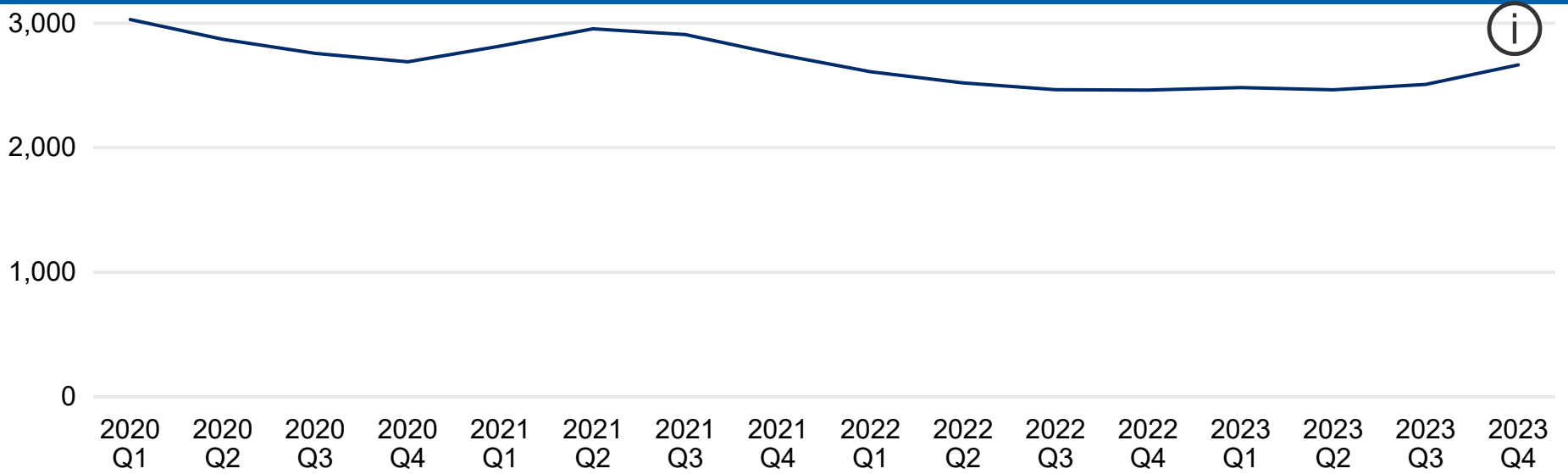
View data for:

Wales High TB West High TB East  
Intermediate TB Mid Intermediate TB North Low TB

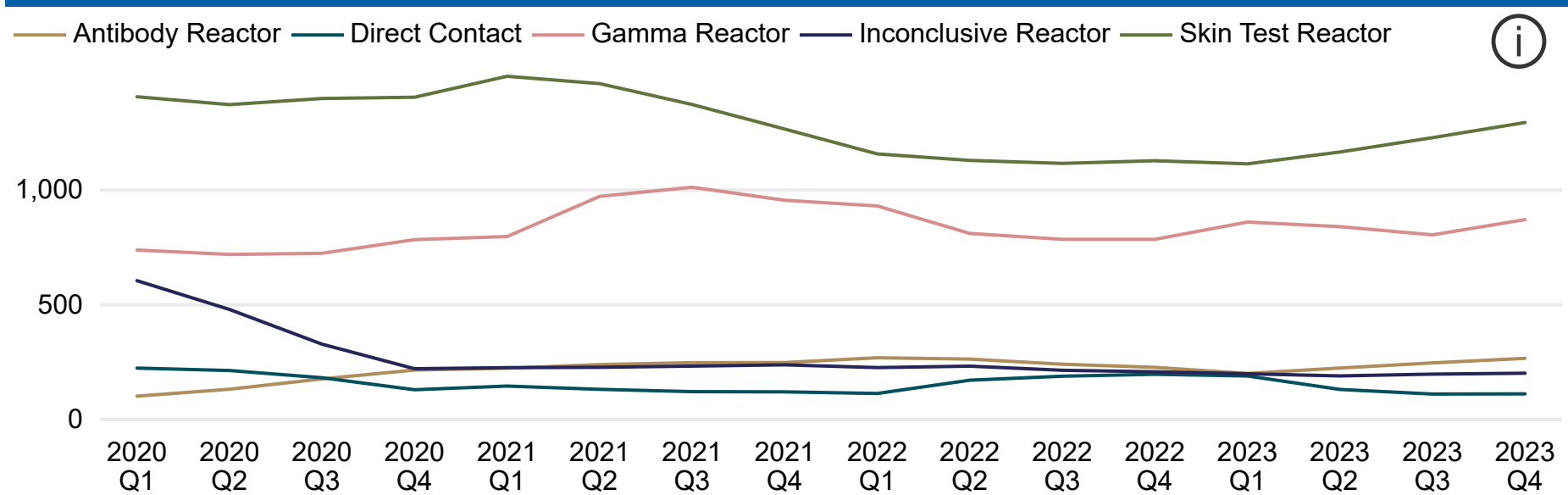
View data between:

2020 2023

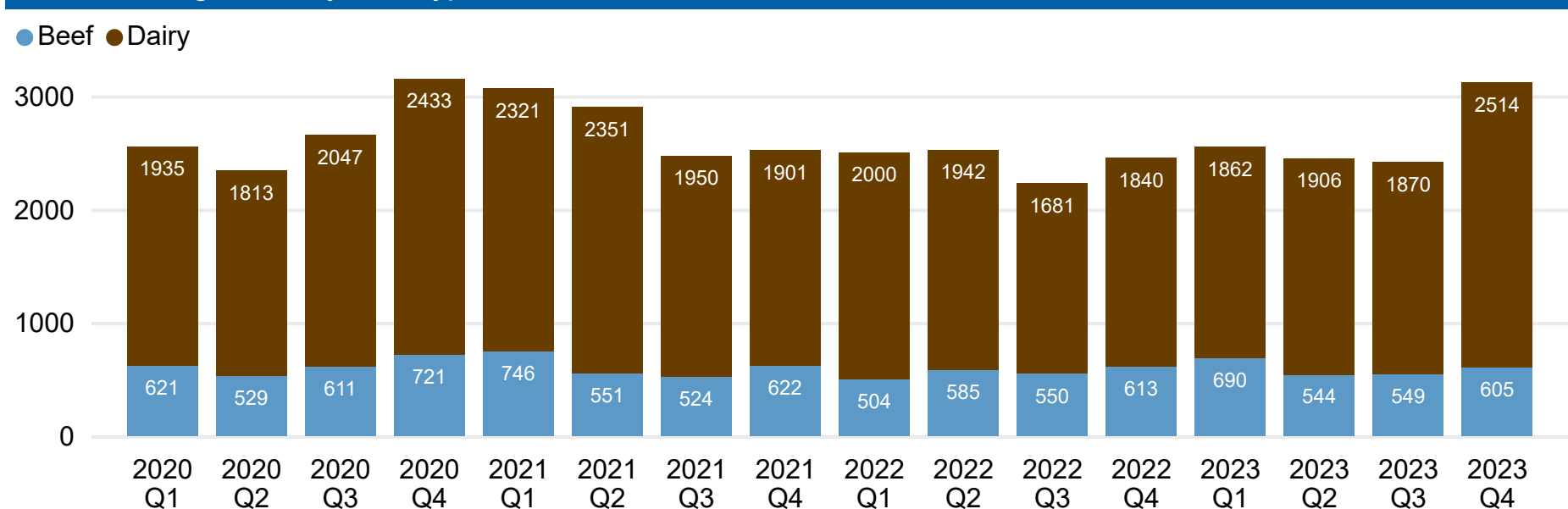
### Animals slaughtered due to TB - 4 quarter rolling average



### Animals slaughtered by test result - 4 quarter rolling average



### Animals slaughtered by herd type





Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

## 2023 Q4



Reset page  
selections



Home

### Animals slaughtered map

The page below shows details of animals slaughtered due to TB across Wales and broken down by TB regions.

The drop down list below will filter the data by different quarters - please note only one time period can be selected from the drop down list. Zoom in and out of the map using the scroll bar on the mouse.

Locations are based on postcode data with the point being mapped to the center of the post code. Postcodes may span across TB regions. The larger the circle the higher the number of animals slaughtered in that area.

View data for:

2023 Q4



View data for:

Wales

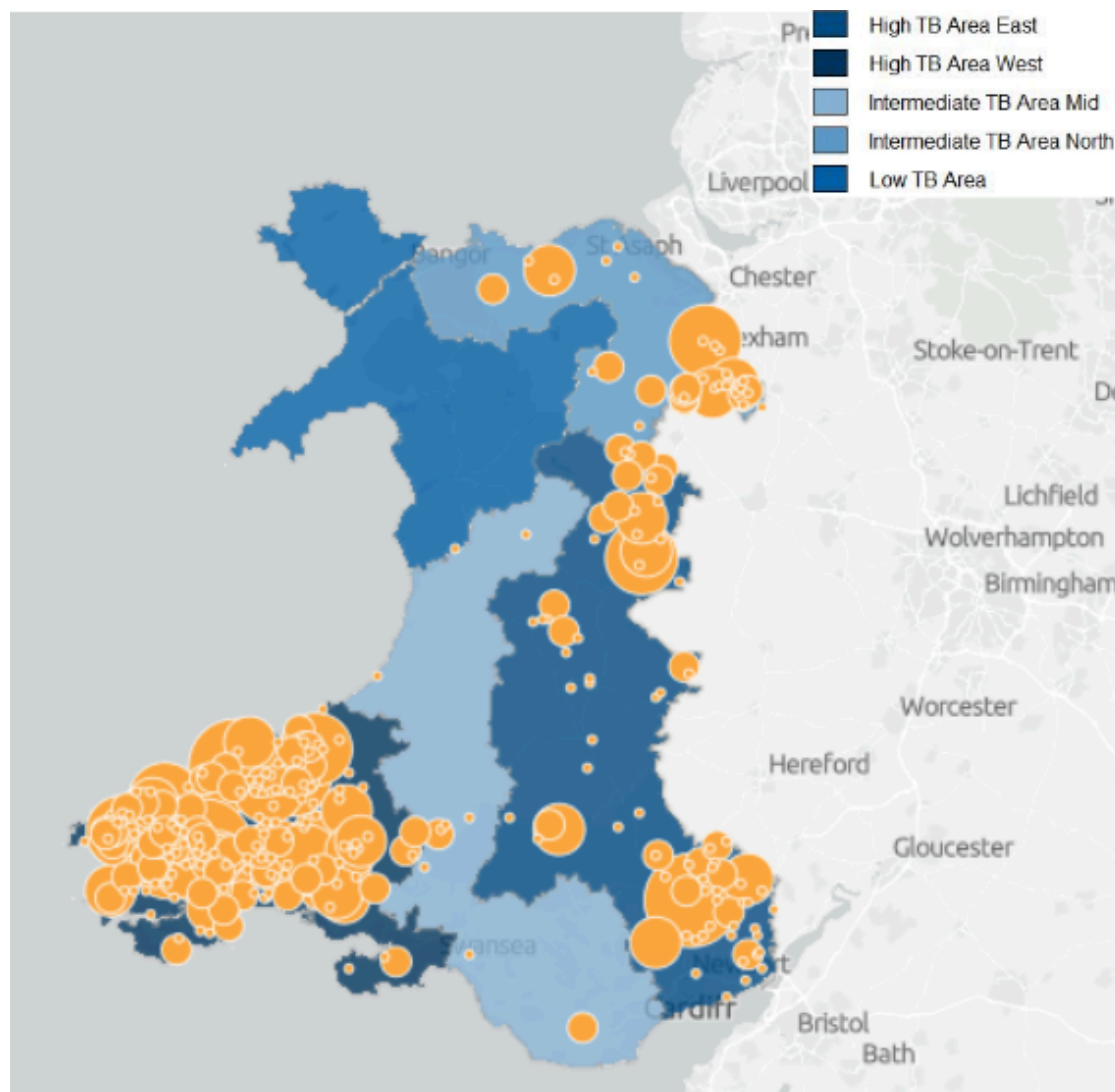
High TB West

High TB East

Intermediate TB Mid

Intermediate TB North

Low TB



Animals slaughtered due to TB:

3138



Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

## Wales



Reset page  
selections



Home

### Number of herds with Action Plans in Wales

The page below shows the number of herds which have had Action Plans finalised, the number which have had restrictions removed and the number of which have since had a subsequent TB incident. Action Plans have been in place since 2017 for chronic herd breakdowns which have been under TB restrictions for 18 months or longer. Action Plans are bespoke to the farm in question and are developed in partnership with the farmer, vet and Animal Plant and Health Agency (APHA). They contain a variety of measures aimed at clearing up TB infection and supporting these herds to become Officially TB Free. For more information please refer to the [bovine TB eradication programme policy pages](#) and the [frequently asked questions of the bovine TB eradication programme](#).

In some circumstances an Action Plan may cover more than one herd if these herds are linked, for example if the herds are part of the same enterprise and in close proximity then one Action Plan will be drafted. The figures below present the number of herds which have an Action Plan in place.

The buttons below enable you to select all herds in Wales or navigate between TB Areas. The figures for each of the three boxes presenting Action Plan data will change when selecting different TB Areas. Please click on the information buttons for explanation of definitions used.

View data for:

Wales

High TB East

Intermediate TB North

High TB West

Intermediate TB Mid

Low TB

Number of herds which have had a finalised  
Action Plan since 2017

313



Number of herds which currently have an  
Action Plan finalised at the end of the quarter

130



Number of herds which have had a finalised  
Action Plan and have since had restrictions  
lifted

183



Number of herds which have had an Action Plan and  
have since had restrictions lifted but have  
subsequently had another breakdown within two years

45

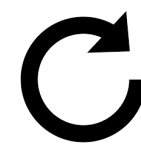




Llywodraeth Cymru  
Welsh Government

# Bovine TB Dashboard

Up to 2023 Q4



Reset page  
selections



Home

View data for:

Multiple s... ▾



Negative  
sample



Positive  
sample



Pending or  
Other

## Badgers found dead

This page shows details of badgers found dead, which have been suitable for and received a full post-mortem examination, across Wales. Badgers that were not suitable for full post-mortem examination are not reported.

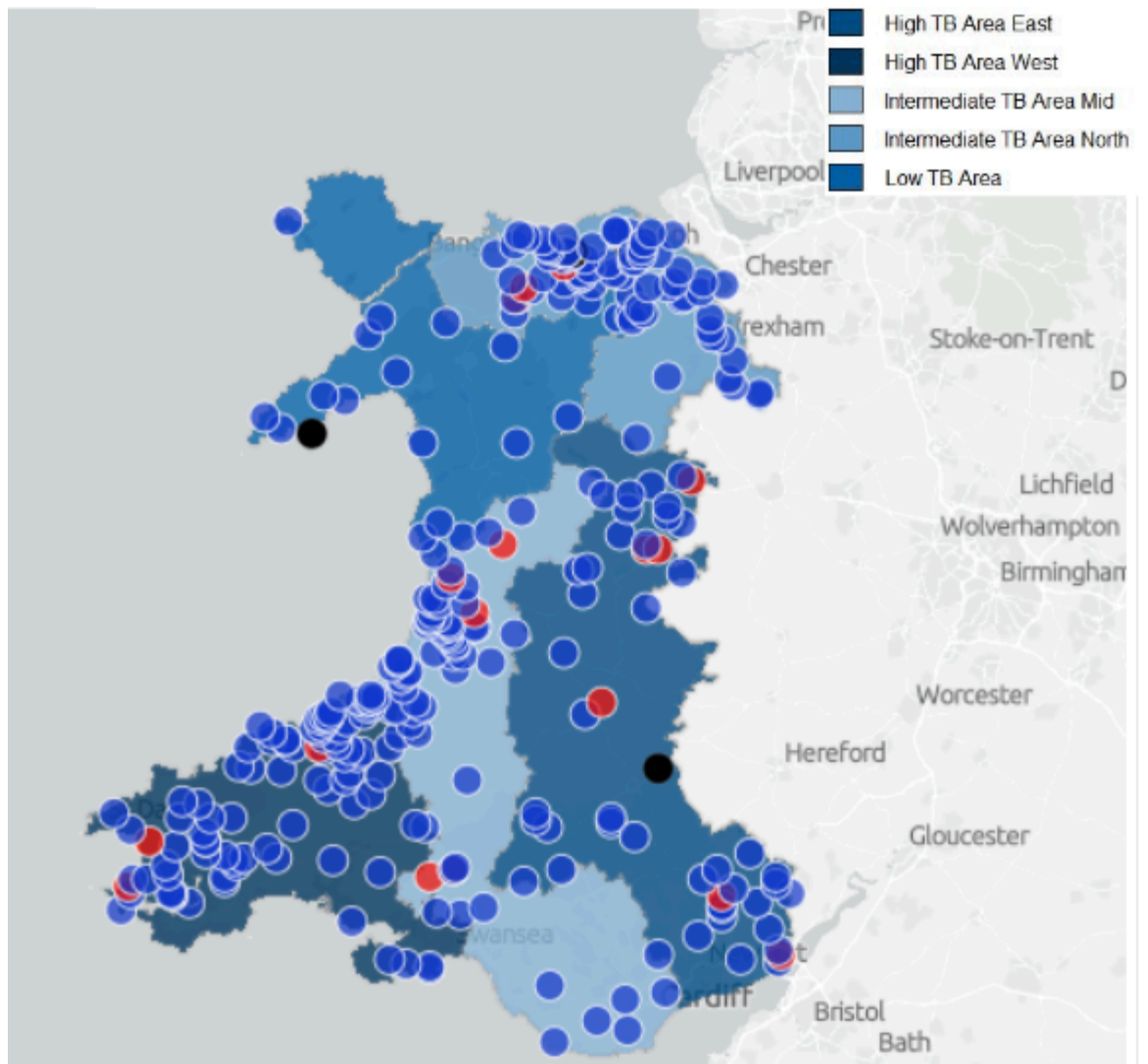
As a default, the latest year is shown. The drop down list on the top-left of the map will filter the data by different quarters. You can select multiple quarters at a time to view the data over longer timeframes. Zoom in and out of the map using the scroll bar on the mouse. Go to the table below for a summary of the descriptive statistics by TB Area.

It's important to be careful when making inferences from TB positive samples. The specific *Mycobacterium bovis* (*M.bovis*) strain recovered from the carcass may be genotypically distinct to the strain found on nearby holdings, meaning the sources of infection in the badger carcass and from cattle on a holding nearby may be different. APHA use Whole Genome Sequencing to further assess the closeness of the genetic relationship between two different samples.

Carcass location is based on reported geographical data from the public. Some geographic data has been reported in error resulting in some carcasses being placed in the sea or deep within England. Where this has happened, the carcass has been placed to the nearest land area in Wales. This has affected the reported location of four carcasses.

Due to the time it takes to sample the carcass, most of the test results in the latest two quarters are pending. Test results will be updated in future updates.

Data collection began in 2014 Q3.



Region	Negative	Pending	Positive	Total
High TB East	40	1	7	48
High TB West	89	0	3	92
Intermediate TB Mid	64	0	5	69
Intermediate TB North	68	2	3	73
Low TB	23	1	0	24
<b>Wales</b>	<b>284</b>	<b>4</b>	<b>18</b>	<b>306</b>