



Quarterly publication of National Statistics on the incidence and prevalence of tuberculosis (TB) in Cattle in Great Britain – to end June 2016

These statistics were released on Wednesday 14 September 2016 at 9:30. The next quarterly notice to be updated on Wednesday 14 December 2016 at 9:30. The underlying monthly datasets will next be updated on Wednesday 12 October 2016.

These statistics are obtained from the Animal and Plant Health Agency (APHA) work management IT support system (Sam), used for the administration of TB testing in GB. They are a snapshot of the position on the date on which the data were extracted. These statistics may be subject to small revisions until all test results are available. In particular figures from 2014 onwards will be subject to further revision as test and incident records are completed.

Short term changes in these statistics should be considered in the context of long term trends. The charts in this statistical notice give the latest indication of how trends in bovine TB have changed since 1996.

Key points – June 2016

Please read the detailed guidance on how these measures are calculated at <https://www.gov.uk/government/statistics/data-and-methodology>.

Table 1: Herd incidence and herd prevalence

| | New herd incidents per 100 herd years at risk | | Disease restricted herds as a percentage of registered herds at end | |
|----------------|---|----------------------------|---|----------------------------|
| | 12 months to end June 2015 | 12 months to end June 2016 | 12 months to end June 2015 | 12 months to end June 2016 |
| England | 8.9 | 10.1 | 5.6 | 5.8 |
| High risk area | 18.1 | 18.4 | 11.1 | 11.2 |
| Edge area | 4.9 | 6.3 | 3.2 | 4.1 |
| Low risk area | 0.8 | 1.1 | 0.3 | 0.3 |
| Scotland | 0.5 | 0.6 | 0.2 | 0.2 |
| Wales | 8.5 | 7.1 | 6.0 | 5.6 |

In England both the **herd incidence rate and herd prevalence have increased** between the last two 12-month periods and have stayed relatively stable in Scotland. In Wales incidence and prevalence have decreased. Incidence and prevalence are highest in the High Risk Area of England (HRA) and lowest in the Low Risk Area of England (LRA) and in Scotland.

Table 2: New herd incidents and non-OTF herds

| | New herd incidents | | | Herds not officially TB free at the end of the period due to a bovine TB incident (non-OTF herds) | | |
|----------------|----------------------------|----------------------------|---------------------|---|----------------------------|---------------------|
| | 12 months to end June 2015 | 12 months to end June 2016 | Year-on-year change | 12 months to end June 2015 | 12 months to end June 2016 | Year-on-year change |
| England | 3,838 | 3,899 | 2% | 2,858 | 2,942 | 3% |
| High risk area | 3,392 | 3,364 | -1% | 2,556 | 2,578 | 1% |
| Edge area | 313 | 384 | 23% | 234 | 295 | 26% |
| Low risk area | 133 | 151 | 14% | 68 | 69 | 1% |
| Scotland | 35 | 47 | 34% | 23 | 29 | 26% |
| Wales | 884 | 740 | -16% | 713 | 647 | -9% |

Between the 12 months ending June 2016 and the previous 12 month period, there was a decrease in the number of new TB incidents in the HRA and Wales. In Scotland, the Edge Risk Area of England (ERA) and the LRA there was an increase in the number of incidents.

Prevalence at end June 2016 (the percentage of herds which were not Officially TB Free (OTF) due to a TB incident) increased in the HRA and ERA of England and decreased in Wales. In the LRA and Scotland prevalence remained unchanged from June 2015. In Scotland the number of non-OTF herds is very low and approximately 45% of cattle herds are now exempt from routine TB surveillance testing.

In Scotland and the LRA, there are proportionately more false positive results to the tuberculin skin test than elsewhere in GB¹. Consequently it is also important to consider the number of new TB incidents where OTF status is withdrawn (OTFW) following confirmation of TB by post-mortem examination or laboratory culture of tissue samples. During the 12 months ending June 2016 there were 43 such incidents in the LRA, the same number as for the previous 12 months. In Scotland there were 11 OTFW incidents in the period ending June 2016 and 8 in the 12 months to end June 2015. The OTFW incidence rate in the LRA was 0.3 breakdowns per 100 herd-years at risk in both periods. In Scotland the OTFW incidence rate of breakdowns per 100 herd-years was 0.1 in both periods.

Table 3: Total animals slaughtered*

| | 12 months to end June 2015 | 12 months to end June 2016 | Year-on-year change |
|----------------|----------------------------|----------------------------|---------------------|
| England | 26,157 | 29,805 | 14% |
| High risk area | 22,778 | 26,185 | 15% |
| Edge area | 2,804 | 2,949 | 5% |
| Low risk area | 575 | 671 | 17% |
| Scotland | 121 | 203 | 68% |
| Wales | 6,647 | 9,476 | 43% |

* Includes test reactors, direct contacts and inconclusive reactors.

There was an increase in the number of cattle slaughtered due to a TB incident across each of the risk areas in England and also in Scotland and Wales.

Further detail can be found in Tables 4-7. The charts published in this statistical notice, together with the equivalent figures from January 1996 onwards, are also available in spreadsheet format at <https://www.gov.uk/government/publications/incidence-of-tuberculosis-tb-in-cattle-in-great-britain>.

¹ See for example: <http://veterinaryrecord.bmj.com/content/177/10/258.summary.pdf> and <http://veterinaryrecord.bmj.com/content/177/10/258.full.pdf+html>

Herd incidence

Figure 1: New herd incidents per 100 herd years at risk of infection during the year - GB, per quarter

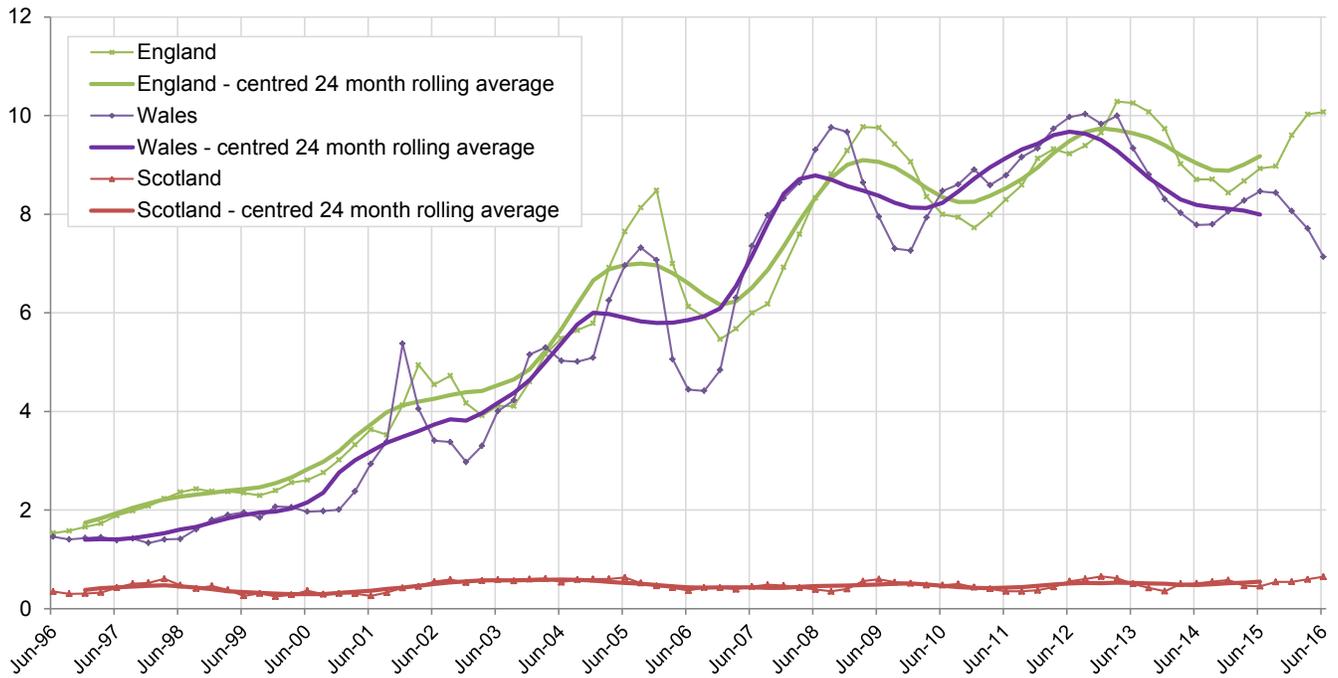


Figure 2: New herd incidents per 100 herd years at risk of infection during the year – England, per quarter

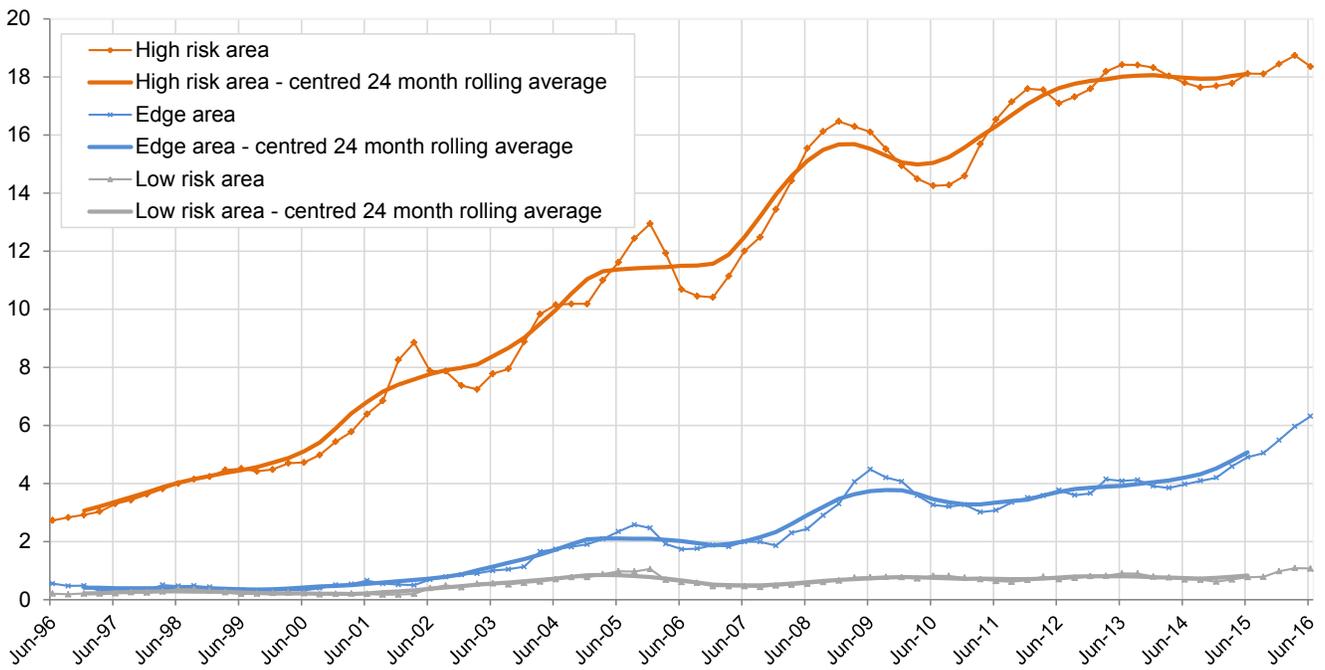
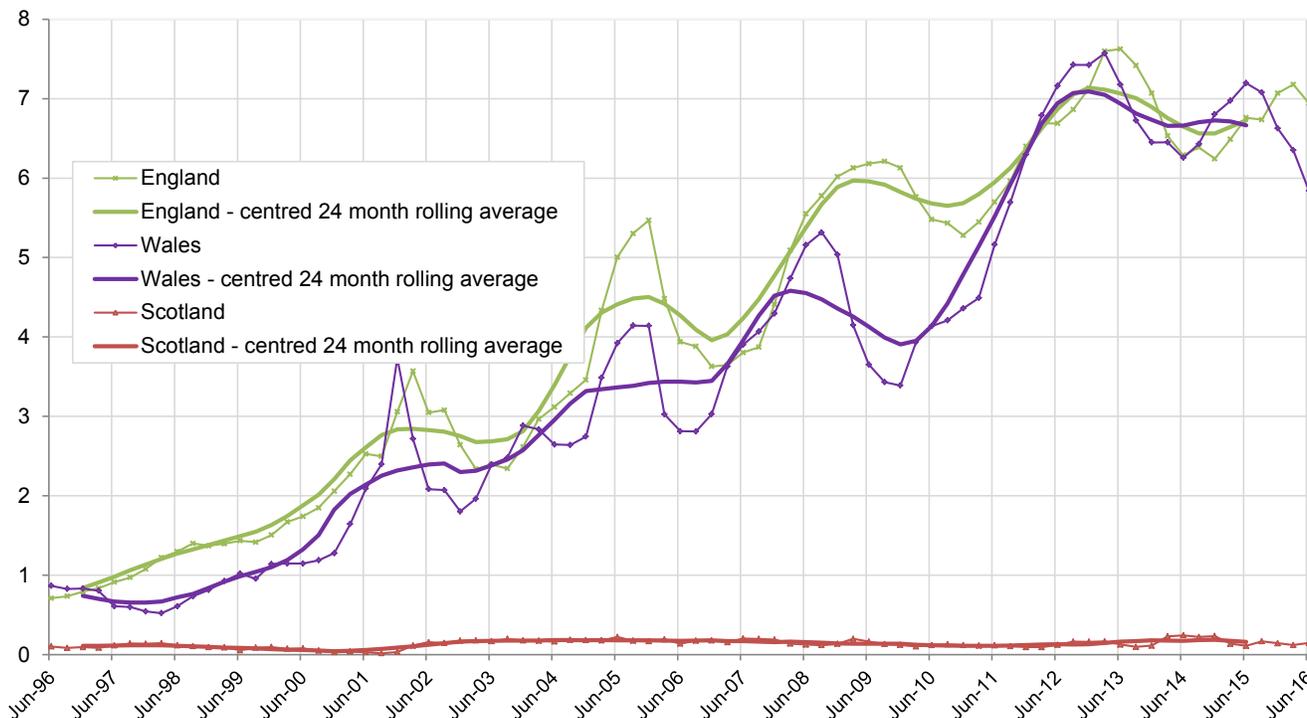
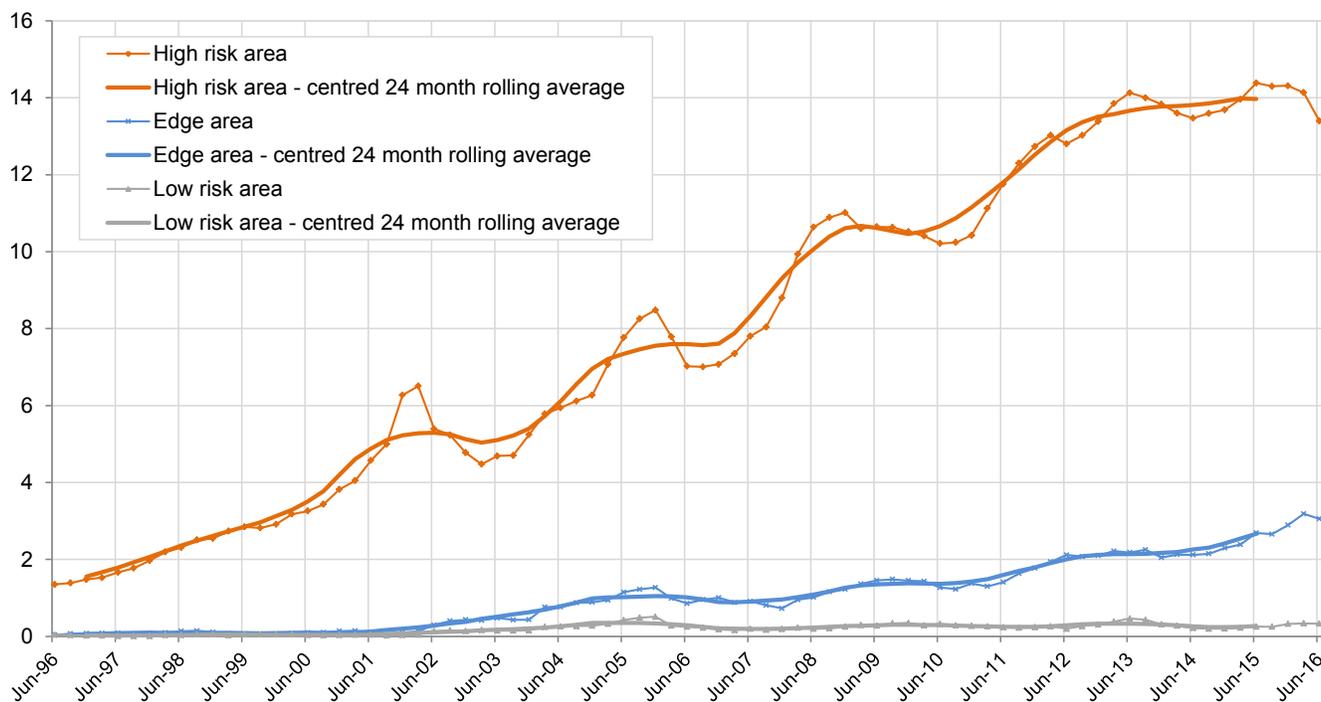


Figure 3: New herd incidents with officially TB-free status withdrawn (OTFW) per 100 herd years at risk of infection during the year – GB, per quarter



NOTE: from 2011, the figures presented for OTFW incidents in Wales are not directly comparable to England or Scotland. This is due to the inclusion of some incidents in Wales which have their OTF status withdrawn for epidemiological reasons, without confirmation via post mortem examination or bacteriological culture. Elsewhere in GB these would be classed as OTF-S.

Figure 4: New herd incidents with officially TB-free status withdrawn (OTFW) per 100 herd years at risk of infection during the year – England, per quarter



Herd prevalence

Figure 5: Number of herds under disease restrictions at the end of the period as a percentage of registered and active herds – GB

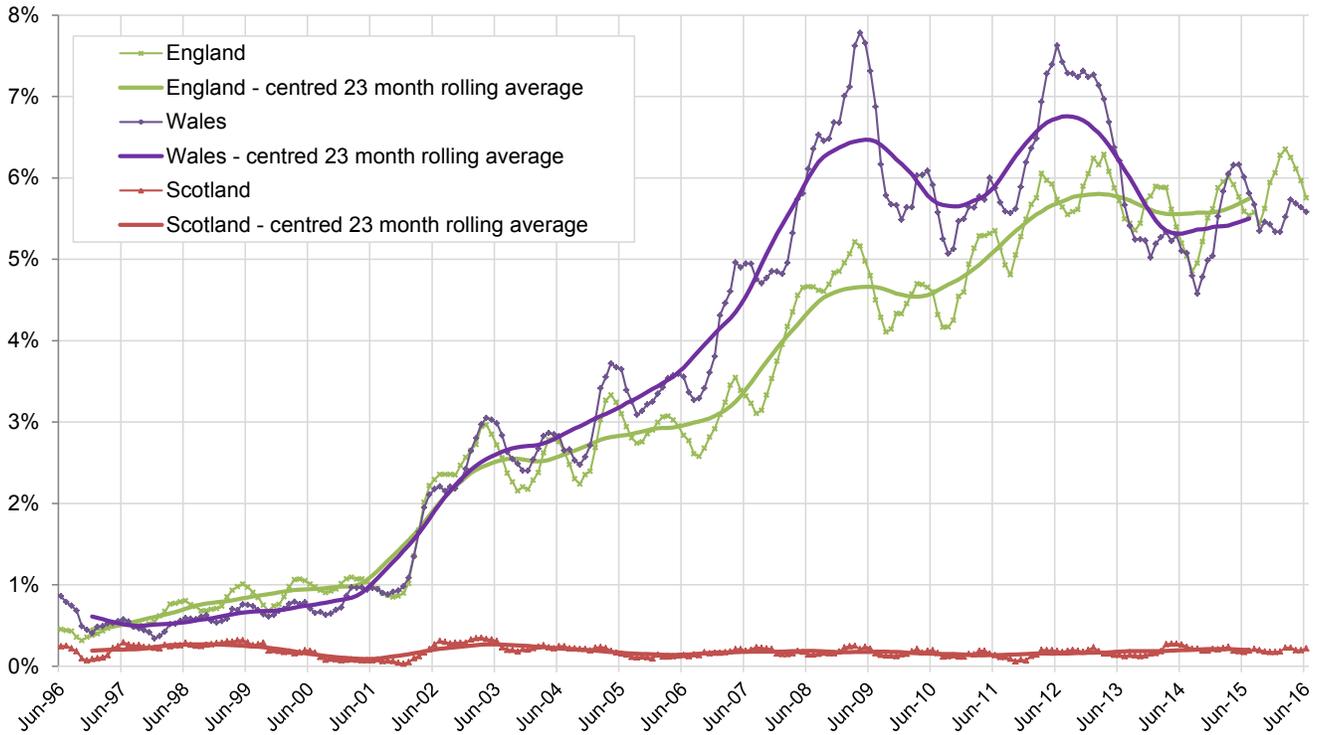
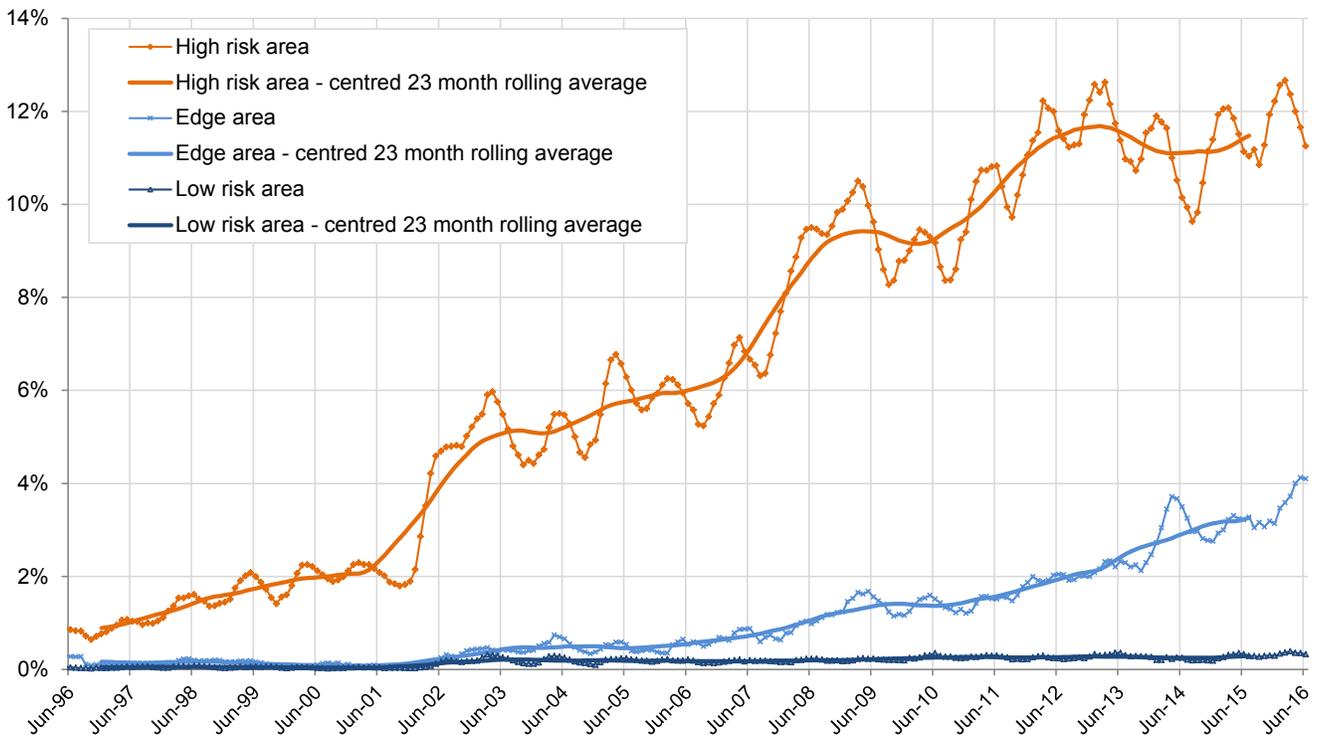


Figure 6: Number of herds under disease restrictions at the end of the period as a percentage of registered and active herds – England



Trends in TB

There has been an overall long-term upward trend in the incidence of TB in cattle herds in England and Wales since 1996 (when these statistical series begin), although there is evidence that the rate of new incidents is levelling off in most areas of the country.

There was a fairly steady increase in the herd incidence rate until early 2001 when there was an outbreak of foot and mouth disease (FMD) from February to October. During this period TB testing was suspended. In the meantime, new bTB breakdowns continued to be detected on farms through routine post-mortem meat inspection of cattle carcasses in abattoirs. Following the 2001 FMD outbreak there was a gradual resumption in TB testing.

There appears to be a three-year cycle in the bTB herd incidence rate from 2001 onwards. This can be observed in figures 1 to 4, above, with peaks in 2005, 2008 and (to a lesser extent) 2013, and troughs in 2006 and 2009. This pattern has stabilised somewhat in recent years. There is no clear explanation for this pattern, because bTB is a chronic disease with a complex epidemiology and reservoirs of infection in cattle and, in some areas of GB, wildlife. As a result of surveillance and testing changes, there has been no stable time series until recently. For example, there have been different herd testing frequencies in each parish over time, ranging from annual to four-yearly and changing every year until those frequencies were unified in Wales in 2010 (annual) and in England in 2013 (annual and four-yearly).

There are several possible explanations:

1. The smoothed trend represents true seasonal changes in the transmission risk and prevalence of infection in wildlife and cattle populations. However there is no strong evidence to support this.
2. After FMD higher risk herds were tested every 3 to 4 years and could have contributed to a cyclically higher incidence rate. However breakdowns in the 4-yearly (and formerly 3-yearly) testing areas represent a small and decreasing proportion of the breakdowns in any given year.
3. When testing resumed in 2002 following the 2001 FMD outbreak, high-risk herds may have been identified and put under restrictions if a reactor was identified, then control tested for a period (when they cannot generate a new incident). Once the bTB incident has been resolved and OTF herd status is restored, the herd becomes susceptible to a new incident as it undergoes post-breakdown surveillance tests at 6 and 18 months after regaining OTF status.
4. The incidence rate reflects changes to testing policy unrelated to the FMD outbreak, in particular increases in testing in 2005 and 2008.

In terms of prevalence (the percentage of herds with an open TB incident), figure 5 shows an increase in England and Wales at the beginning of 2002. This may have been the result of the suspension of TB testing during the FMD outbreak in February-October 2001 (including the 60-day tests of TB-infected herds to regain OTF status) along with the detection of new

breakdowns through routine slaughterhouse surveillance. Although TB herd testing gradually resumed from the end of 2001, a proportion of higher-risk herds were put under TB restrictions pending completion of their overdue tests. Prevalence continued to increase steadily from 2002. In Wales there were peaks in 2009 and 2012, following which there has been a decline and stabilisation of the trend. After a peak in England in early 2013 the trend appears to have stabilised. However, for both England and Wales it is too early to conclude that this is part of a new longer term trend.

Regional differences

The regional and county-level statistics published as part of this statistical notice show that there are considerable differences in the distribution and frequency of bovine TB across GB.

Note that since 2011, the trends for the herd incidence rate showing incidents with officially TB-free status withdrawn (OTFW) per 100 herd years at risk of infection during the year (i.e. figure 3) are not directly comparable for Wales and the other countries of GB. This is because from 2011 onwards, for Wales the number of incidents includes those where there is no confirmation of TB via post mortem examination or bacteriological culture, but where the herd's OTF status is withdrawn for epidemiological reasons. Such herds in England and Scotland are not included in the count of OTFW incidents. The overall herd incidence rate (figure 1 and table 1) should be used to compare countries.

Scotland, which has had officially TB-free (OTF) status since 2009, has relatively few herd breakdowns. The herd incidence is very low and stable and is largely driven by sporadic introductions of infected cattle into Scotland.

In Wales, TB incidence and prevalence varies across regions. The South West, East and South East regions have high levels of bovine TB whereas the regions in the North West, North East and South Wales have relatively low levels. To attempt to contain the disease and prevent its spread into these lower-incidence regions, all herds in Wales are tested for the disease at least annually. The strategically-located Intensive Action Area (north Pembrokeshire and small parts of Ceredigion and Carmarthenshire) has one of the highest incidence rates of bovine TB in Wales. Here there are extra measures in place to control the disease, such as stricter cattle controls, 6-monthly testing and improved biosecurity.

In England, there are wide geographical variations in the incidence and prevalence of bTB. This is reflected in the division of the country into three different epidemiological areas, with different disease control strategies and herd testing regimes applied in each of them:

- In the *Low Risk Area* of the North, East and South East of England, the incidence of bTB is very low and stable and most cattle herds are routinely tested every four years. Similar to Scotland, the majority of breakdowns in the Low Risk Area can be linked to movements of undetected infected cattle from other areas of GB.
- In the *Edge Area*, which spans most of Cheshire, parts of the counties of Derbyshire, Warwickshire, Oxfordshire and East Sussex and the whole of Nottinghamshire, Leicestershire, Northamptonshire, Buckinghamshire and Hampshire, the herd incidence

is higher than in the Low Risk Area, although this varies from county to county. After a small spike in the first half of 2014 prevalence may be starting to stabilise.

- In the *High Risk Area* of the West Midlands and South West of England, the incidence and prevalence of infected cattle have increased steadily to relatively high levels. This is partly a result of a reservoir of endemic *M. bovis* infection in the local wildlife. There is evidence of a slowing down in both the incidence and prevalence rates since around 2012.

Table 4: Herd and test numbers – Great Britain

| | England | | | | Scotland | | | | Wales | | | | Great Britain (5) | | | |
|----------------------------|--|--------------------------|--|------------------------|--|----------------------|--------------------------------------|--------------------|--|----------------------|--------------------------------------|--------------------|--|----------------------|--------------------------------------|--------------------|
| | Number of cattle herds registered on Sam (1) | Total tests on herds (2) | Tests on officially free (OTF) herds (3) | Total cattle tests (4) | Number of cattle herds registered on Sam | Total tests on herds | Tests on officially free (OTF) herds | Total cattle tests | Number of cattle herds registered on Sam | Total tests on herds | Tests on officially free (OTF) herds | Total cattle tests | Number of cattle herds registered on Sam | Total tests on herds | Tests on officially free (OTF) herds | Total cattle tests |
| 2005 | 62,015 | 40,660 | 33,428 | 3,656,667 | 14,667 | 3,884 | 3,800 | 226,921 | 15,083 | 11,296 | 9,456 | 915,856 | 91,765 | 55,844 | 46,688 | 4,799,522 |
| 2006 | 60,960 | 46,791 | 40,182 | 4,086,589 | 14,495 | 4,171 | 4,103 | 235,892 | 14,904 | 13,452 | 11,725 | 1,086,672 | 90,359 | 64,417 | 56,013 | 5,409,238 |
| 2007 | 58,871 | 46,599 | 39,610 | 4,223,950 | 14,100 | 4,525 | 4,435 | 286,727 | 14,148 | 13,011 | 10,801 | 1,221,558 | 87,119 | 64,138 | 54,849 | 5,732,372 |
| 2008 | 58,380 | 47,417 | 38,505 | 4,540,585 | 13,889 | 4,367 | 4,289 | 257,780 | 13,780 | 14,646 | 12,058 | 1,380,278 | 86,049 | 66,433 | 54,855 | 6,178,790 |
| 2009 | 57,376 | 50,141 | 40,333 | 4,829,107 | 13,759 | 3,641 | 3,555 | 217,737 | 13,183 | 18,422 | 15,005 | 1,793,639 | 84,318 | 72,205 | 58,894 | 6,840,614 |
| 2010 | 56,515 | 52,955 | 42,896 | 5,367,553 | 13,675 | 3,580 | 3,512 | 231,996 | 12,939 | 17,936 | 15,176 | 1,848,115 | 83,129 | 74,473 | 61,586 | 7,447,694 |
| 2011 | 54,293 | 54,122 | 42,825 | 5,496,051 | 13,316 | 3,426 | 3,359 | 229,824 | 12,821 | 19,108 | 16,302 | 1,861,996 | 80,443 | 76,656 | 62,486 | 7,587,871 |
| 2012 | 53,561 | 63,499 | 51,815 | 5,857,660 | 12,981 | 2,880 | 2,811 | 222,368 | 12,721 | 22,209 | 19,038 | 1,950,958 | 79,321 | 88,588 | 73,664 | 8,030,993 |
| 2013 | 53,706 | 64,428 | 52,807 | 6,283,185 | 12,952 | 2,322 | 2,276 | 162,945 | 12,642 | 20,082 | 17,085 | 1,943,846 | 79,392 | 86,848 | 72,183 | 8,390,230 |
| 2014 | 51,722 | 68,909 | 57,713 | 6,927,096 | 13,070 | 2,579 | 2,499 | 217,258 | 12,019 | 19,643 | 17,295 | 1,899,712 | 76,916 | 91,161 | 77,537 | 9,044,408 |
| 2015 | 51,232 | 69,002 | 57,328 | 7,303,970 | 13,176 | 2,634 | 2,565 | 265,800 | 11,669 | 20,575 | 18,132 | 2,022,787 | 76,124 | 92,234 | 78,048 | 9,592,867 |
| 12 months to end June 2015 | 51,148 | 68,502 | 57,413 | 7,068,545 | 13,148 | 2,677 | 2,595 | 273,451 | 11,864 | 20,117 | 17,785 | 1,935,832 | 76,198 | 91,334 | 77,831 | 9,278,292 |
| 12 months to end June 2016 | 51,123 | 64,708 | 52,622 | 7,370,237 | 13,228 | 2,612 | 2,541 | 250,473 | 11,589 | 19,292 | 16,910 | 2,049,444 | 75,981 | 86,619 | 72,080 | 9,670,342 |
| Jan-13 | 53,532 | 6,366 | 5,281 | 566,452 | 12,978 | 380 | 375 | 28,352 | 12,689 | 2,007 | 1,686 | 176,411 | 79,256 | 8,753 | 7,342 | 771,215 |
| Feb-13 | 53,540 | 6,551 | 5,444 | 592,997 | 12,980 | 315 | 301 | 30,357 | 12,680 | 2,139 | 1,817 | 190,978 | 79,261 | 9,005 | 7,562 | 814,332 |
| Mar-13 | 53,585 | 6,708 | 5,716 | 629,631 | 12,993 | 234 | 231 | 17,453 | 12,675 | 2,313 | 2,063 | 206,281 | 79,323 | 9,255 | 8,010 | 853,365 |
| Apr-13 | 53,668 | 6,022 | 4,850 | 618,128 | 13,013 | 165 | 163 | 11,698 | 12,685 | 1,897 | 1,597 | 195,632 | 79,442 | 8,084 | 6,610 | 825,458 |
| May-13 | 53,772 | 5,375 | 4,280 | 493,434 | 13,018 | 175 | 170 | 10,512 | 12,691 | 1,808 | 1,524 | 160,952 | 79,550 | 7,358 | 5,974 | 664,898 |
| Jun-13 | 53,816 | 3,893 | 2,996 | 370,103 | 13,030 | 76 | 75 | 3,048 | 12,719 | 1,118 | 875 | 109,360 | 79,639 | 5,087 | 3,946 | 482,511 |
| Jul-13 | 53,809 | 3,946 | 2,949 | 401,226 | 13,043 | 77 | 74 | 2,722 | 12,718 | 1,057 | 837 | 107,280 | 79,658 | 5,080 | 3,860 | 511,228 |
| Aug-13 | 53,779 | 4,261 | 3,363 | 401,588 | 13,042 | 64 | 60 | 4,102 | 12,729 | 1,221 | 986 | 131,617 | 79,627 | 5,550 | 4,413 | 537,364 |
| Sep-13 | 53,847 | 4,405 | 3,567 | 426,489 | 12,925 | 78 | 76 | 3,698 | 12,742 | 1,497 | 1,269 | 145,515 | 79,612 | 5,982 | 4,913 | 575,851 |
| Oct-13 | 53,910 | 5,388 | 4,520 | 534,613 | 12,938 | 144 | 141 | 6,961 | 12,675 | 1,734 | 1,539 | 180,174 | 79,608 | 7,271 | 6,205 | 721,777 |
| Nov-13 | 53,834 | 6,380 | 5,472 | 700,083 | 12,948 | 291 | 290 | 19,647 | 12,657 | 1,910 | 1,679 | 207,034 | 79,522 | 8,584 | 7,444 | 926,779 |
| Dec-13 | 53,706 | 5,133 | 4,369 | 548,441 | 12,952 | 323 | 320 | 24,395 | 12,642 | 1,381 | 1,213 | 132,612 | 79,392 | 6,839 | 5,904 | 705,452 |
| Jan-14 | 53,580 | 7,340 | 6,053 | 767,987 | 12,968 | 367 | 364 | 34,497 | 12,576 | 1,983 | 1,714 | 197,101 | 79,216 | 9,693 | 8,134 | 999,612 |
| Feb-14 | 53,557 | 6,750 | 5,775 | 653,049 | 12,967 | 353 | 353 | 30,689 | 12,541 | 1,944 | 1,766 | 180,653 | 79,156 | 9,050 | 7,897 | 864,394 |
| Mar-14 | 53,376 | 7,171 | 6,246 | 671,707 | 12,983 | 315 | 305 | 24,030 | 12,410 | 2,091 | 1,893 | 184,501 | 78,856 | 9,577 | 8,444 | 880,267 |
| Apr-14 | 53,429 | 6,073 | 5,042 | 607,341 | 12,997 | 177 | 171 | 12,715 | 12,385 | 1,829 | 1,611 | 178,438 | 78,903 | 8,082 | 6,827 | 798,532 |
| May-14 | 53,433 | 6,320 | 5,188 | 550,158 | 13,024 | 200 | 193 | 12,658 | 12,393 | 1,779 | 1,560 | 154,376 | 78,943 | 8,301 | 6,943 | 717,234 |
| Jun-14 | 53,437 | 4,444 | 3,521 | 425,461 | 13,044 | 106 | 96 | 8,911 | 12,366 | 1,167 | 972 | 113,000 | 78,946 | 5,717 | 4,589 | 547,372 |
| Jul-14 | 53,285 | 4,449 | 3,465 | 459,126 | 13,047 | 108 | 95 | 5,352 | 12,314 | 1,169 | 968 | 114,196 | 78,750 | 5,730 | 4,532 | 578,736 |
| Aug-14 | 53,282 | 4,067 | 3,304 | 399,698 | 13,048 | 104 | 95 | 6,826 | 12,295 | 1,207 | 1,010 | 111,516 | 78,728 | 5,380 | 4,411 | 518,050 |
| Sep-14 | 52,266 | 4,598 | 3,825 | 480,968 | 13,041 | 95 | 88 | 6,692 | 12,280 | 1,402 | 1,228 | 151,502 | 77,691 | 6,097 | 5,143 | 639,196 |
| Oct-14 | 51,770 | 6,045 | 5,147 | 635,521 | 13,063 | 145 | 140 | 10,676 | 12,106 | 1,952 | 1,758 | 206,216 | 77,041 | 8,147 | 7,050 | 852,476 |
| Nov-14 | 51,789 | 6,520 | 5,750 | 686,014 | 13,065 | 283 | 276 | 28,263 | 12,071 | 1,706 | 1,553 | 168,943 | 77,033 | 8,513 | 7,583 | 883,251 |
| Dec-14 | 51,722 | 5,132 | 4,397 | 590,066 | 13,070 | 326 | 323 | 35,949 | 12,019 | 1,414 | 1,262 | 139,270 | 76,916 | 6,874 | 5,984 | 765,288 |
| Jan-15 | 51,226 | 7,298 | 6,125 | 752,914 | 13,063 | 455 | 449 | 52,047 | 11,960 | 2,164 | 1,937 | 210,794 | 76,334 | 9,921 | 8,515 | 1,015,788 |
| Feb-15 | 51,110 | 6,845 | 5,844 | 680,021 | 13,077 | 391 | 384 | 49,734 | 11,879 | 2,097 | 1,919 | 171,006 | 76,132 | 9,337 | 8,151 | 900,840 |
| Mar-15 | 51,073 | 6,949 | 6,023 | 714,135 | 13,080 | 297 | 291 | 34,088 | 11,871 | 2,211 | 2,048 | 202,718 | 76,087 | 9,459 | 8,364 | 951,020 |
| Apr-15 | 51,092 | 7,037 | 5,814 | 696,419 | 13,097 | 186 | 176 | 18,133 | 11,858 | 2,111 | 1,839 | 201,748 | 76,109 | 9,340 | 7,835 | 916,364 |
| May-15 | 51,091 | 4,975 | 4,085 | 493,192 | 13,134 | 202 | 199 | 19,112 | 11,860 | 1,518 | 1,304 | 141,298 | 76,154 | 6,699 | 5,590 | 653,605 |
| Jun-15 | 51,148 | 4,587 | 3,634 | 480,471 | 13,148 | 85 | 79 | 6,579 | 11,864 | 1,166 | 959 | 116,625 | 76,198 | 5,839 | 4,673 | 603,678 |
| Jul-15 | 51,219 | 5,314 | 4,141 | 554,606 | 13,165 | 90 | 84 | 3,984 | 11,856 | 1,422 | 1,155 | 141,760 | 76,278 | 6,828 | 5,382 | 700,373 |
| Aug-15 | 51,116 | 4,362 | 3,567 | 442,004 | 13,160 | 81 | 75 | 4,877 | 11,812 | 1,296 | 1,123 | 133,332 | 76,130 | 5,739 | 4,765 | 580,213 |
| Sep-15 | 51,153 | 4,700 | 3,862 | 476,587 | 13,154 | 84 | 78 | 4,646 | 11,705 | 1,437 | 1,251 | 143,267 | 76,062 | 6,221 | 5,191 | 624,504 |
| Oct-15 | 51,258 | 6,350 | 5,385 | 691,046 | 13,163 | 161 | 152 | 14,475 | 11,684 | 2,135 | 1,915 | 205,116 | 76,153 | 8,646 | 7,452 | 910,637 |
| Nov-15 | 51,257 | 5,665 | 4,823 | 692,927 | 13,170 | 281 | 277 | 25,160 | 11,682 | 1,659 | 1,486 | 199,536 | 76,156 | 7,605 | 6,586 | 917,623 |
| Dec-15 | 51,232 | 4,920 | 4,025 | 629,648 | 13,176 | 321 | 321 | 32,965 | 11,669 | 1,359 | 1,196 | 155,587 | 76,124 | 6,602 | 5,544 | 818,222 |
| Jan-16 | 51,235 | 6,547 | 5,355 | 749,851 | 13,163 | 403 | 397 | 40,874 | 11,658 | 1,772 | 1,537 | 194,785 | 76,103 | 8,724 | 7,291 | 985,516 |
| Feb-16 | 51,199 | 5,945 | 4,836 | 694,202 | 13,169 | 373 | 368 | 46,454 | 11,609 | 1,816 | 1,647 | 184,901 | 76,018 | 8,134 | 6,851 | 925,557 |
| Mar-16 | 51,074 | 5,459 | 4,608 | 611,230 | 13,182 | 281 | 280 | 25,600 | 11,565 | 1,779 | 1,627 | 183,269 | 75,862 | 7,520 | 6,516 | 820,142 |
| Apr-16 | 51,128 | 7,346 | 5,811 | 863,037 | 13,200 | 228 | 215 | 27,570 | 11,579 | 2,240 | 1,994 | 235,489 | 75,948 | 9,814 | 8,020 | 1,126,166 |
| May-16 | 51,171 | 4,396 | 3,511 | 492,504 | 13,217 | 184 | 176 | 15,936 | 11,581 | 1,382 | 1,183 | 150,764 | 76,012 | 5,962 | 4,870 | 659,224 |
| Jun-16 | 51,123 | 3,704 | 2,698 | 472,595 | 13,228 | 125 | 118 | 7,932 | 11,589 | 995 | 796 | 121,638 | 75,981 | 4,824 | 3,612 | 602,165 |

Table 5: Herd and test numbers – England

| | High risk area | | | | Edge area | | | | Low risk area | | | | England | | | |
|----------------------------|--|--------------------------|--|------------------------|--|----------------------|--------------------------------------|--------------------|--|----------------------|--------------------------------------|--------------------|--|----------------------|--------------------------------------|--------------------|
| | Number of cattle herds registered on Sam (1) | Total tests on herds (2) | Tests on officially free (OTF) herds (3) | Total cattle tests (4) | Number of cattle herds registered on Sam | Total tests on herds | Tests on officially free (OTF) herds | Total cattle tests | Number of cattle herds registered on Sam | Total tests on herds | Tests on officially free (OTF) herds | Total cattle tests | Number of cattle herds registered on Sam | Total tests on herds | Tests on officially free (OTF) herds | Total cattle tests |
| 2005 | 29,040 | 31,615 | 24,681 | 3,153,470 | 9,110 | 3,232 | 3,080 | 190,014 | 23,865 | 5,813 | 5,667 | 313,183 | 62,015 | 40,660 | 33,428 | 3,656,667 |
| 2006 | 28,501 | 33,667 | 27,358 | 3,350,061 | 9,023 | 4,644 | 4,483 | 277,719 | 23,436 | 8,480 | 8,341 | 458,809 | 60,960 | 46,791 | 40,182 | 4,086,589 |
| 2007 | 27,466 | 33,183 | 26,583 | 3,512,762 | 8,627 | 4,979 | 4,749 | 308,840 | 22,778 | 8,437 | 8,278 | 402,348 | 58,871 | 46,599 | 39,610 | 4,223,950 |
| 2008 | 27,167 | 35,287 | 26,786 | 3,848,087 | 8,505 | 4,781 | 4,497 | 320,008 | 22,708 | 7,349 | 7,222 | 372,490 | 58,380 | 47,417 | 38,505 | 4,540,585 |
| 2009 | 26,659 | 37,845 | 28,578 | 4,158,654 | 8,353 | 5,315 | 4,929 | 355,455 | 22,364 | 6,981 | 6,826 | 314,998 | 57,376 | 50,141 | 40,333 | 4,829,107 |
| 2010 | 25,965 | 38,303 | 28,847 | 4,512,604 | 8,443 | 6,066 | 5,668 | 428,467 | 22,107 | 8,586 | 8,381 | 426,482 | 56,515 | 52,955 | 42,896 | 5,367,553 |
| 2011 | 25,189 | 40,536 | 29,905 | 4,646,234 | 7,970 | 6,016 | 5,539 | 491,483 | 21,134 | 7,570 | 7,381 | 358,334 | 54,293 | 54,122 | 42,825 | 5,496,051 |
| 2012 | 24,748 | 47,631 | 36,628 | 4,979,450 | 7,767 | 7,713 | 7,181 | 552,248 | 21,046 | 8,155 | 8,006 | 325,962 | 53,561 | 63,499 | 51,815 | 5,857,660 |
| 2013 | 24,503 | 46,665 | 35,841 | 5,045,666 | 7,902 | 9,196 | 8,620 | 778,103 | 21,301 | 8,567 | 8,346 | 459,416 | 53,706 | 64,428 | 52,807 | 6,283,185 |
| 2014 | 23,382 | 47,501 | 37,458 | 5,186,897 | 7,435 | 11,220 | 10,259 | 1,104,018 | 20,905 | 10,188 | 9,996 | 636,181 | 51,722 | 68,909 | 57,713 | 6,927,096 |
| 2015 | 23,065 | 47,465 | 36,913 | 5,427,059 | 7,235 | 11,199 | 10,309 | 1,118,535 | 20,932 | 10,338 | 10,106 | 758,376 | 51,232 | 69,002 | 57,328 | 7,303,970 |
| 12 months to end June 2015 | 22,962 | 47,169 | 37,170 | 5,250,384 | 7,274 | 10,970 | 10,075 | 1,101,591 | 20,912 | 10,363 | 10,168 | 716,570 | 51,148 | 68,502 | 57,413 | 7,068,545 |
| 12 months to end June 2016 | 22,917 | 44,610 | 33,734 | 5,501,806 | 7,191 | 10,774 | 9,821 | 1,148,873 | 21,015 | 9,324 | 9,067 | 719,558 | 51,123 | 64,708 | 52,622 | 7,370,237 |
| Jan-13 | 24,725 | 4,600 | 3,570 | 464,926 | 7,771 | 768 | 729 | 53,890 | 21,036 | 998 | 982 | 47,636 | 53,532 | 6,366 | 5,281 | 566,452 |
| Feb-13 | 24,732 | 4,714 | 3,663 | 477,641 | 7,770 | 853 | 815 | 66,449 | 21,038 | 984 | 966 | 48,907 | 53,540 | 6,551 | 5,444 | 592,997 |
| Mar-13 | 24,753 | 4,823 | 3,905 | 495,488 | 7,776 | 956 | 906 | 84,868 | 21,056 | 929 | 905 | 49,275 | 53,585 | 6,708 | 5,716 | 629,631 |
| Apr-13 | 24,797 | 4,374 | 3,260 | 503,086 | 7,784 | 914 | 868 | 82,767 | 21,087 | 734 | 722 | 32,275 | 53,668 | 6,022 | 4,850 | 618,128 |
| May-13 | 24,813 | 3,992 | 2,975 | 395,808 | 7,810 | 769 | 714 | 68,587 | 21,149 | 614 | 591 | 29,039 | 53,772 | 5,375 | 4,280 | 493,434 |
| Jun-13 | 24,787 | 2,909 | 2,071 | 307,201 | 7,834 | 512 | 472 | 38,548 | 21,195 | 472 | 453 | 24,354 | 53,816 | 3,893 | 2,996 | 370,103 |
| Jul-13 | 24,720 | 2,843 | 1,929 | 334,091 | 7,853 | 597 | 533 | 43,035 | 21,236 | 506 | 487 | 24,100 | 53,809 | 3,946 | 2,949 | 401,226 |
| Aug-13 | 24,659 | 3,220 | 2,394 | 336,167 | 7,860 | 586 | 539 | 42,900 | 21,260 | 455 | 430 | 22,521 | 53,779 | 4,261 | 3,363 | 401,588 |
| Sep-13 | 24,668 | 3,287 | 2,507 | 355,000 | 7,876 | 646 | 599 | 49,336 | 21,303 | 472 | 461 | 22,153 | 53,847 | 4,405 | 3,567 | 426,489 |
| Oct-13 | 24,655 | 3,937 | 3,140 | 425,859 | 7,908 | 772 | 725 | 66,212 | 21,347 | 679 | 655 | 42,542 | 53,910 | 5,388 | 4,520 | 534,613 |
| Nov-13 | 24,596 | 4,471 | 3,635 | 537,058 | 7,913 | 1,001 | 942 | 96,784 | 21,325 | 908 | 895 | 66,241 | 53,834 | 6,380 | 5,472 | 700,083 |
| Dec-13 | 24,503 | 3,495 | 2,792 | 413,341 | 7,902 | 822 | 778 | 84,727 | 21,301 | 816 | 799 | 50,373 | 53,706 | 5,133 | 4,369 | 548,441 |
| Jan-14 | 24,385 | 5,027 | 3,827 | 569,406 | 7,894 | 1,140 | 1,079 | 120,446 | 21,301 | 1,173 | 1,147 | 78,135 | 53,580 | 7,340 | 6,053 | 767,987 |
| Feb-14 | 24,355 | 4,543 | 3,662 | 476,832 | 7,904 | 1,150 | 1,071 | 104,604 | 21,298 | 1,057 | 1,042 | 71,613 | 53,557 | 6,750 | 5,775 | 653,049 |
| Mar-14 | 24,167 | 4,731 | 3,888 | 472,002 | 7,895 | 1,304 | 1,234 | 133,759 | 21,314 | 1,136 | 1,124 | 65,946 | 53,376 | 7,171 | 6,246 | 671,707 |
| Apr-14 | 24,150 | 4,130 | 3,191 | 449,776 | 7,912 | 1,085 | 1,009 | 101,344 | 21,367 | 858 | 842 | 56,221 | 53,429 | 6,073 | 5,042 | 607,341 |
| May-14 | 24,141 | 4,317 | 3,313 | 413,810 | 7,898 | 1,038 | 930 | 84,627 | 21,394 | 965 | 945 | 51,721 | 53,433 | 6,320 | 5,188 | 550,158 |
| Jun-14 | 24,121 | 3,145 | 2,358 | 341,234 | 7,895 | 713 | 598 | 60,870 | 21,421 | 586 | 565 | 23,357 | 53,437 | 4,444 | 3,521 | 425,461 |
| Jul-14 | 24,031 | 3,212 | 2,352 | 371,125 | 7,820 | 656 | 548 | 65,855 | 21,434 | 581 | 565 | 22,146 | 53,285 | 4,449 | 3,465 | 459,126 |
| Aug-14 | 24,025 | 3,006 | 2,338 | 326,988 | 7,803 | 595 | 513 | 52,099 | 21,454 | 466 | 453 | 20,611 | 53,282 | 4,067 | 3,304 | 399,698 |
| Sep-14 | 23,624 | 3,313 | 2,627 | 369,676 | 7,546 | 725 | 656 | 70,751 | 21,096 | 560 | 542 | 40,541 | 52,266 | 4,598 | 3,825 | 480,968 |
| Oct-14 | 23,388 | 4,347 | 3,547 | 484,908 | 7,464 | 934 | 846 | 99,250 | 20,918 | 764 | 754 | 51,363 | 51,770 | 6,045 | 5,147 | 635,521 |
| Nov-14 | 23,395 | 4,446 | 3,743 | 505,120 | 7,466 | 1,015 | 965 | 102,503 | 20,928 | 1,059 | 1,042 | 78,391 | 51,789 | 6,520 | 5,750 | 686,014 |
| Dec-14 | 23,382 | 3,284 | 2,612 | 406,020 | 7,435 | 865 | 810 | 107,910 | 20,905 | 983 | 975 | 76,136 | 51,722 | 5,132 | 4,397 | 590,066 |
| Jan-15 | 23,033 | 4,836 | 3,757 | 553,492 | 7,338 | 1,214 | 1,137 | 111,891 | 20,855 | 1,248 | 1,231 | 87,531 | 51,226 | 7,298 | 6,125 | 752,914 |
| Feb-15 | 22,964 | 4,628 | 3,713 | 493,494 | 7,310 | 1,057 | 988 | 106,489 | 20,836 | 1,160 | 1,143 | 80,038 | 51,110 | 6,845 | 5,844 | 680,021 |
| Mar-15 | 22,928 | 4,604 | 3,755 | 495,294 | 7,291 | 1,251 | 1,190 | 130,868 | 20,854 | 1,094 | 1,078 | 87,973 | 51,073 | 6,949 | 6,023 | 714,135 |
| Apr-15 | 22,924 | 4,897 | 3,794 | 506,182 | 7,292 | 1,183 | 1,090 | 114,643 | 20,876 | 957 | 930 | 75,594 | 51,092 | 7,037 | 5,814 | 696,419 |
| May-15 | 22,922 | 3,422 | 2,621 | 360,498 | 7,280 | 774 | 700 | 74,191 | 20,889 | 779 | 764 | 58,503 | 51,091 | 4,975 | 4,085 | 493,192 |
| Jun-15 | 22,962 | 3,174 | 2,311 | 377,587 | 7,274 | 701 | 632 | 65,141 | 20,912 | 712 | 691 | 37,743 | 51,148 | 4,587 | 3,634 | 480,471 |
| Jul-15 | 23,009 | 3,752 | 2,718 | 432,439 | 7,268 | 832 | 722 | 79,932 | 20,942 | 730 | 701 | 42,235 | 51,219 | 5,314 | 4,141 | 554,606 |
| Aug-15 | 22,993 | 3,175 | 2,456 | 356,526 | 7,218 | 629 | 573 | 54,971 | 20,905 | 558 | 538 | 30,507 | 51,116 | 4,362 | 3,567 | 442,004 |
| Sep-15 | 23,023 | 3,453 | 2,702 | 379,637 | 7,212 | 730 | 659 | 69,595 | 20,918 | 517 | 501 | 27,355 | 51,153 | 4,700 | 3,862 | 476,587 |
| Oct-15 | 23,058 | 4,546 | 3,676 | 520,893 | 7,237 | 1,006 | 930 | 96,087 | 20,963 | 798 | 779 | 74,066 | 51,258 | 6,350 | 5,385 | 691,046 |
| Nov-15 | 23,075 | 3,739 | 2,979 | 495,597 | 7,242 | 973 | 908 | 115,797 | 20,940 | 953 | 936 | 81,533 | 51,257 | 5,665 | 4,823 | 692,927 |
| Dec-15 | 23,065 | 3,239 | 2,431 | 455,420 | 7,235 | 849 | 780 | 98,930 | 20,932 | 832 | 814 | 75,298 | 51,232 | 4,920 | 4,025 | 629,648 |
| Jan-16 | 23,043 | 4,369 | 3,280 | 545,023 | 7,237 | 1,097 | 1,015 | 118,581 | 20,955 | 1,081 | 1,060 | 86,247 | 51,235 | 6,547 | 5,355 | 749,851 |
| Feb-16 | 23,034 | 4,000 | 2,989 | 508,910 | 7,221 | 1,001 | 922 | 106,267 | 20,944 | 944 | 925 | 79,025 | 51,199 | 5,945 | 4,836 | 694,202 |
| Mar-16 | 22,996 | 3,647 | 2,879 | 422,133 | 7,172 | 995 | 930 | 119,814 | 20,906 | 817 | 799 | 69,283 | 51,074 | 5,459 | 4,608 | 611,230 |
| Apr-16 | 23,021 | 5,057 | 3,658 | 647,905 | 7,177 | 1,318 | 1,215 | 143,785 | 20,930 | 971 | 938 | 71,347 | 51,128 | 7,346 | 5,811 | 863,037 |
| May-16 | 23,017 | 2,953 | 2,173 | 357,550 | 7,180 | 747 | 668 | 81,847 | 20,974 | 696 | 670 | 53,107 | 51,171 | 4,396 | 3,511 | 492,504 |
| Jun-16 | 22,917 | 2,680 | 1,793 | 379,773 | 7,191 | 597 | 499 | 63,267 | 21,015 | 427 | 406 | 29,555 | 51,123 | 3,704 | 2,698 | 472,595 |

Table 6: TB incidents and animals slaughtered – Great Britain

| | England | | | | Scotland | | | | Wales | | | | Great Britain (5) | | | |
|----------------------------|---|------------------------------|---|-------------------------------|---|--------------------------|---|---------------------------|---|--------------------------|---|---------------------------|---|--------------------------|---|---------------------------|
| | Herds not officially TB free at the end of the period due to a bovine TB incident (1) | New herd incidents (NHI) (2) | NHI of which: officially TB free herd status withdrawn (OTFW) (3) | Total animals slaughtered (4) | Herds not officially TB free at the end of the period due to a bovine TB incident | New herd incidents (NHI) | NHI of which: officially TB free herd status withdrawn (OTFW) | Total animals slaughtered | Herds not officially TB free at the end of the period due to a bovine TB incident | New herd incidents (NHI) | NHI of which: officially TB free herd status withdrawn (OTFW) | Total animals slaughtered | Herds not officially TB free at the end of the period due to a bovine TB incident | New herd incidents (NHI) | NHI of which: officially TB free herd status withdrawn (OTFW) | Total animals slaughtered |
| 2005 | 1,799 | 2,895 | 1,865 | 22,847 | 14 | 37 | 13 | 194 | 490 | 732 | 430 | 6,783 | 2,305 | 3,665 | 2,308 | 29,824 |
| 2006 | 1,778 | 2,719 | 1,808 | 16,393 | 24 | 44 | 19 | 224 | 567 | 767 | 477 | 5,903 | 2,369 | 3,531 | 2,304 | 22,520 |
| 2007 | 2,206 | 3,196 | 2,042 | 18,916 | 22 | 58 | 22 | 515 | 686 | 935 | 485 | 7,963 | 2,914 | 4,190 | 2,549 | 27,394 |
| 2008 | 2,832 | 3,766 | 2,448 | 27,815 | 25 | 47 | 18 | 460 | 920 | 1,198 | 627 | 11,400 | 3,777 | 5,012 | 3,094 | 39,675 |
| 2009 | 2,484 | 3,363 | 2,283 | 26,668 | 20 | 49 | 11 | 357 | 723 | 1,186 | 553 | 11,671 | 3,228 | 4,600 | 2,848 | 38,696 |
| 2010 | 2,598 | 3,632 | 2,483 | 24,600 | 16 | 45 | 13 | 160 | 711 | 1,039 | 513 | 7,618 | 3,325 | 4,721 | 3,011 | 32,378 |
| 2011 | 2,982 | 3,802 | 2,628 | 26,467 | 9 | 43 | 8 | 140 | 794 | 1,046 | 522 | 8,068 | 3,804 | 4,914 | 3,165 | 34,675 |
| 2012 | 3,242 | 3,919 | 2,867 | 28,286 | 26 | 54 | 12 | 418 | 921 | 1,109 | 563 | 9,289 | 4,220 | 5,115 | 3,452 | 37,993 |
| 2013 | 3,102 | 3,890 | 2,806 | 26,594 | 20 | 28 | 10 | 95 | 635 | 877 | 447 | 6,102 | 3,793 | 4,813 | 3,264 | 32,791 |
| 2014 | 2,907 | 3,802 | 2,789 | 26,413 | 28 | 46 | 17 | 240 | 606 | 857 | 525 | 6,379 | 3,569 | 4,716 | 3,332 | 33,032 |
| 2015 | 3,106 | 3,956 | 2,878 | 28,033 | 23 | 40 | 10 | 135 | 623 | 838 | 474 | 8,093 | 3,782 | 4,843 | 3,364 | 36,262 |
| 12 months to end June 2015 | 2,858 | 3,838 | 2,880 | 26,157 | 23 | 35 | 8 | 121 | 713 | 884 | 550 | 6,647 | 3,623 | 4,765 | 3,439 | 32,925 |
| 12 months to end June 2016 | 2,942 | 3,899 | 2,658 | 29,805 | 29 | 47 | 11 | 203 | 647 | 740 | 389 | 9,476 | 3,652 | 4,695 | 3,060 | 39,485 |
| Jan-13 | 3,341 | 393 | 267 | 2,390 | 30 | 4 | 0 | 4 | 922 | 95 | 44 | 819 | 4,326 | 495 | 311 | 3,213 |
| Feb-13 | 3,299 | 316 | 238 | 2,512 | 24 | 0 | 0 | 6 | 905 | 85 | 44 | 596 | 4,259 | 401 | 282 | 3,114 |
| Mar-13 | 3,369 | 383 | 276 | 2,476 | 20 | 4 | 1 | 3 | 883 | 98 | 39 | 514 | 4,305 | 486 | 316 | 2,993 |
| Apr-13 | 3,262 | 341 | 248 | 2,122 | 20 | 3 | 0 | 2 | 848 | 80 | 40 | 614 | 4,161 | 426 | 288 | 2,738 |
| May-13 | 3,160 | 315 | 221 | 2,621 | 18 | 2 | 1 | 3 | 809 | 85 | 44 | 636 | 4,019 | 403 | 266 | 3,260 |
| Jun-13 | 3,077 | 252 | 160 | 1,694 | 18 | 2 | 1 | 2 | 790 | 67 | 31 | 348 | 3,919 | 324 | 192 | 2,044 |
| Jul-13 | 2,957 | 225 | 154 | 2,209 | 16 | 1 | 1 | 7 | 721 | 45 | 19 | 507 | 3,729 | 273 | 174 | 2,723 |
| Aug-13 | 2,926 | 272 | 197 | 2,085 | 18 | 4 | 2 | 2 | 689 | 51 | 25 | 448 | 3,667 | 327 | 224 | 2,535 |
| Sep-13 | 2,885 | 287 | 222 | 1,786 | 17 | 1 | 0 | 9 | 668 | 61 | 32 | 325 | 3,605 | 350 | 254 | 2,120 |
| Oct-13 | 2,933 | 390 | 286 | 2,305 | 16 | 2 | 2 | 31 | 665 | 79 | 52 | 531 | 3,648 | 472 | 340 | 2,867 |
| Nov-13 | 3,078 | 423 | 316 | 2,321 | 17 | 2 | 1 | 24 | 662 | 76 | 45 | 417 | 3,793 | 504 | 363 | 2,762 |
| Dec-13 | 3,102 | 293 | 221 | 2,073 | 20 | 3 | 1 | 2 | 635 | 55 | 32 | 347 | 3,793 | 352 | 254 | 2,422 |
| Jan-14 | 3,158 | 428 | 311 | 2,299 | 21 | 3 | 2 | 10 | 653 | 101 | 55 | 635 | 3,862 | 534 | 368 | 2,944 |
| Feb-14 | 3,151 | 356 | 251 | 2,159 | 24 | 4 | 1 | 8 | 661 | 68 | 37 | 845 | 3,865 | 429 | 289 | 3,012 |
| Mar-14 | 3,139 | 342 | 245 | 2,425 | 35 | 13 | 6 | 20 | 662 | 79 | 45 | 472 | 3,865 | 436 | 296 | 2,917 |
| Apr-14 | 2,999 | 289 | 191 | 2,306 | 36 | 2 | 0 | 57 | 647 | 69 | 34 | 518 | 3,713 | 363 | 226 | 2,881 |
| May-14 | 2,883 | 284 | 184 | 2,180 | 36 | 5 | 1 | 33 | 656 | 84 | 44 | 543 | 3,605 | 373 | 229 | 2,756 |
| Jun-14 | 2,777 | 210 | 152 | 2,184 | 35 | 3 | 2 | 47 | 631 | 51 | 31 | 427 | 3,471 | 264 | 185 | 2,658 |
| Jul-14 | 2,686 | 262 | 204 | 1,819 | 31 | 2 | 0 | 33 | 625 | 59 | 41 | 476 | 3,371 | 324 | 245 | 2,328 |
| Aug-14 | 2,588 | 255 | 196 | 1,683 | 28 | 1 | 0 | 2 | 590 | 40 | 26 | 264 | 3,235 | 296 | 222 | 1,949 |
| Sep-14 | 2,587 | 297 | 226 | 2,111 | 28 | 5 | 1 | 13 | 562 | 59 | 42 | 436 | 3,205 | 362 | 269 | 2,560 |
| Oct-14 | 2,700 | 374 | 288 | 2,296 | 25 | 1 | 0 | 6 | 579 | 98 | 69 | 627 | 3,331 | 473 | 357 | 2,929 |
| Nov-14 | 2,853 | 410 | 305 | 2,201 | 25 | 3 | 2 | 5 | 602 | 86 | 56 | 530 | 3,508 | 500 | 363 | 2,736 |
| Dec-14 | 2,907 | 295 | 236 | 2,750 | 28 | 4 | 2 | 6 | 606 | 63 | 45 | 606 | 3,569 | 362 | 283 | 3,362 |
| Jan-15 | 3,012 | 379 | 273 | 2,339 | 27 | 3 | 0 | 9 | 661 | 109 | 72 | 655 | 3,727 | 492 | 345 | 3,003 |
| Feb-15 | 3,043 | 346 | 258 | 2,300 | 29 | 6 | 1 | 15 | 693 | 88 | 52 | 654 | 3,793 | 441 | 311 | 2,969 |
| Mar-15 | 3,069 | 369 | 275 | 2,483 | 31 | 4 | 1 | 16 | 718 | 84 | 55 | 535 | 3,846 | 457 | 331 | 3,034 |
| Apr-15 | 3,024 | 325 | 248 | 1,995 | 25 | 3 | 1 | 6 | 730 | 82 | 38 | 581 | 3,807 | 411 | 287 | 2,582 |
| May-15 | 2,947 | 267 | 184 | 2,109 | 24 | 1 | 0 | 5 | 731 | 66 | 30 | 746 | 3,730 | 334 | 214 | 2,860 |
| Jun-15 | 2,858 | 259 | 187 | 2,071 | 23 | 2 | 0 | 5 | 713 | 50 | 24 | 537 | 3,623 | 313 | 212 | 2,613 |
| Jul-15 | 2,837 | 305 | 215 | 2,354 | 25 | 6 | 1 | 8 | 689 | 68 | 36 | 701 | 3,580 | 379 | 252 | 3,063 |
| Aug-15 | 2,850 | 257 | 191 | 2,092 | 28 | 5 | 2 | 3 | 670 | 57 | 31 | 570 | 3,576 | 320 | 224 | 2,665 |
| Sep-15 | 2,782 | 279 | 214 | 2,344 | 26 | 2 | 2 | 35 | 626 | 41 | 22 | 637 | 3,463 | 323 | 238 | 3,016 |
| Oct-15 | 2,883 | 413 | 299 | 2,501 | 24 | 2 | 1 | 4 | 638 | 83 | 52 | 711 | 3,576 | 500 | 353 | 3,216 |
| Nov-15 | 3,047 | 413 | 287 | 2,644 | 23 | 4 | 1 | 9 | 634 | 63 | 32 | 726 | 3,734 | 480 | 320 | 3,379 |
| Dec-15 | 3,106 | 344 | 247 | 2,801 | 23 | 2 | 0 | 20 | 623 | 47 | 30 | 1,040 | 3,782 | 393 | 277 | 3,862 |
| Jan-16 | 3,217 | 392 | 254 | 2,331 | 24 | 6 | 0 | 8 | 622 | 66 | 38 | 798 | 3,893 | 464 | 292 | 3,137 |
| Feb-16 | 3,252 | 357 | 235 | 2,823 | 30 | 6 | 0 | 30 | 641 | 83 | 51 | 900 | 3,953 | 446 | 286 | 3,753 |
| Mar-16 | 3,192 | 307 | 218 | 2,835 | 30 | 3 | 1 | 6 | 663 | 65 | 25 | 754 | 3,915 | 376 | 244 | 3,595 |
| Apr-16 | 3,124 | 362 | 231 | 2,278 | 26 | 2 | 1 | 21 | 658 | 61 | 30 | 803 | 3,841 | 428 | 263 | 3,102 |
| May-16 | 3,052 | 255 | 148 | 2,692 | 26 | 5 | 0 | 16 | 653 | 52 | 19 | 787 | 3,765 | 313 | 167 | 3,495 |
| Jun-16 | 2,942 | 215 | 119 | 2,110 | 29 | 4 | 2 | 43 | 647 | 54 | 23 | 1,049 | 3,652 | 273 | 144 | 3,202 |

Table 7: TB incidents and animals slaughtered – England

| | High risk area | | | | Edge area | | | | Low risk area | | | | England | | | |
|----------------------------|---|------------------------------|---|-------------------------------|---|--------------------------|---|---------------------------|---|--------------------------|---|---------------------------|---|--------------------------|---|---------------------------|
| | Herds not officially TB free at the end of the period due to a bovine TB incident (1) | New herd incidents (NHI) (2) | NHI of which: officially TB free herd status withdrawn (OTFW) (3) | Total animals slaughtered (4) | Herds not officially TB free at the end of the period due to a bovine TB incident | New herd incidents (NHI) | NHI of which: officially TB free herd status withdrawn (OTFW) | Total animals slaughtered | Herds not officially TB free at the end of the period due to a bovine TB incident | New herd incidents (NHI) | NHI of which: officially TB free herd status withdrawn (OTFW) | Total animals slaughtered | Herds not officially TB free at the end of the period due to a bovine TB incident | New herd incidents (NHI) | NHI of which: officially TB free herd status withdrawn (OTFW) | Total animals slaughtered |
| 2005 | 1,722 | 2,696 | 1,763 | 22,040 | 34 | 101 | 53 | 354 | 43 | 98 | 49 | 453 | 1,799 | 2,895 | 1,865 | 22,847 |
| 2006 | 1,681 | 2,492 | 1,697 | 15,757 | 62 | 136 | 73 | 356 | 35 | 91 | 38 | 280 | 1,778 | 2,719 | 1,808 | 16,393 |
| 2007 | 2,114 | 2,980 | 1,957 | 17,651 | 55 | 131 | 51 | 733 | 37 | 85 | 34 | 532 | 2,206 | 3,196 | 2,042 | 18,916 |
| 2008 | 2,687 | 3,495 | 2,346 | 25,812 | 105 | 181 | 67 | 1,385 | 40 | 90 | 35 | 618 | 2,832 | 3,766 | 2,448 | 27,815 |
| 2009 | 2,344 | 3,074 | 2,172 | 24,726 | 97 | 200 | 71 | 1,214 | 43 | 89 | 40 | 728 | 2,484 | 3,363 | 2,283 | 26,668 |
| 2010 | 2,441 | 3,274 | 2,342 | 22,971 | 102 | 226 | 95 | 1,016 | 55 | 132 | 46 | 613 | 2,598 | 3,632 | 2,483 | 24,600 |
| 2011 | 2,786 | 3,466 | 2,486 | 24,938 | 149 | 238 | 112 | 1,070 | 47 | 98 | 30 | 459 | 2,982 | 3,802 | 2,628 | 26,467 |
| 2012 | 3,029 | 3,582 | 2,697 | 26,876 | 155 | 234 | 131 | 1,199 | 58 | 103 | 39 | 211 | 3,242 | 3,919 | 2,867 | 28,286 |
| 2013 | 2,850 | 3,480 | 2,609 | 24,616 | 195 | 301 | 158 | 1,518 | 57 | 109 | 39 | 460 | 3,102 | 3,890 | 2,806 | 26,594 |
| 2014 | 2,663 | 3,343 | 2,560 | 22,706 | 205 | 351 | 193 | 3,024 | 39 | 108 | 36 | 683 | 2,907 | 3,802 | 2,789 | 26,413 |
| 2015 | 2,817 | 3,454 | 2,650 | 24,676 | 227 | 344 | 177 | 2,746 | 62 | 158 | 51 | 611 | 3,106 | 3,956 | 2,878 | 28,033 |
| 12 months to end June 2015 | 2,556 | 3,392 | 2,667 | 22,778 | 234 | 313 | 170 | 2,804 | 68 | 133 | 43 | 575 | 2,858 | 3,838 | 2,880 | 26,157 |
| 12 months to end June 2016 | 2,578 | 3,364 | 2,432 | 26,185 | 295 | 384 | 183 | 2,949 | 69 | 151 | 43 | 671 | 2,942 | 3,899 | 2,658 | 29,805 |
| Jan-13 | 3,110 | 355 | 250 | 2,232 | 162 | 23 | 11 | 112 | 69 | 15 | 6 | 46 | 3,341 | 393 | 267 | 2,390 |
| Feb-13 | 3,068 | 285 | 222 | 2,340 | 168 | 24 | 12 | 114 | 63 | 7 | 4 | 58 | 3,299 | 316 | 238 | 2,512 |
| Mar-13 | 3,124 | 345 | 262 | 2,273 | 180 | 27 | 9 | 123 | 65 | 11 | 5 | 80 | 3,369 | 383 | 276 | 2,476 |
| Apr-13 | 3,013 | 296 | 227 | 2,015 | 182 | 32 | 16 | 86 | 67 | 13 | 5 | 21 | 3,262 | 341 | 248 | 2,122 |
| May-13 | 2,912 | 286 | 209 | 2,451 | 172 | 17 | 8 | 146 | 76 | 12 | 4 | 24 | 3,160 | 315 | 221 | 2,621 |
| Jun-13 | 2,820 | 207 | 137 | 1,555 | 182 | 36 | 19 | 89 | 75 | 9 | 4 | 50 | 3,077 | 252 | 160 | 1,694 |
| Jul-13 | 2,712 | 201 | 141 | 2,049 | 180 | 19 | 11 | 143 | 65 | 5 | 2 | 17 | 2,957 | 225 | 154 | 2,209 |
| Aug-13 | 2,693 | 246 | 181 | 1,959 | 173 | 21 | 14 | 90 | 60 | 5 | 2 | 36 | 2,926 | 272 | 197 | 2,085 |
| Sep-13 | 2,646 | 252 | 198 | 1,646 | 177 | 24 | 18 | 101 | 62 | 11 | 6 | 39 | 2,885 | 287 | 222 | 1,786 |
| Oct-13 | 2,705 | 362 | 274 | 2,070 | 168 | 19 | 11 | 202 | 60 | 9 | 1 | 33 | 2,933 | 390 | 286 | 2,305 |
| Nov-13 | 2,837 | 380 | 296 | 2,087 | 182 | 35 | 20 | 200 | 59 | 8 | 0 | 34 | 3,078 | 423 | 316 | 2,321 |
| Dec-13 | 2,850 | 265 | 212 | 1,939 | 195 | 24 | 9 | 112 | 57 | 4 | 0 | 22 | 3,102 | 293 | 221 | 2,073 |
| Jan-14 | 2,900 | 376 | 283 | 2,054 | 215 | 41 | 25 | 205 | 43 | 11 | 3 | 40 | 3,158 | 428 | 311 | 2,299 |
| Feb-14 | 2,867 | 296 | 223 | 1,908 | 241 | 49 | 25 | 215 | 43 | 11 | 3 | 36 | 3,151 | 356 | 251 | 2,159 |
| Mar-14 | 2,812 | 278 | 206 | 1,977 | 272 | 48 | 31 | 385 | 55 | 16 | 8 | 63 | 3,139 | 342 | 245 | 2,425 |
| Apr-14 | 2,656 | 244 | 175 | 1,875 | 294 | 39 | 14 | 384 | 49 | 6 | 2 | 47 | 2,999 | 289 | 191 | 2,306 |
| May-14 | 2,539 | 236 | 169 | 1,679 | 290 | 33 | 13 | 310 | 54 | 15 | 2 | 191 | 2,883 | 284 | 184 | 2,180 |
| Jun-14 | 2,447 | 183 | 139 | 1,789 | 276 | 19 | 10 | 289 | 54 | 8 | 3 | 106 | 2,777 | 210 | 152 | 2,184 |
| Jul-14 | 2,387 | 240 | 190 | 1,596 | 254 | 18 | 13 | 183 | 45 | 4 | 1 | 40 | 2,686 | 262 | 204 | 1,819 |
| Aug-14 | 2,315 | 233 | 183 | 1,554 | 231 | 15 | 9 | 117 | 42 | 7 | 4 | 12 | 2,588 | 255 | 196 | 1,683 |
| Sep-14 | 2,321 | 257 | 206 | 1,889 | 224 | 29 | 17 | 175 | 42 | 11 | 3 | 47 | 2,587 | 297 | 226 | 2,111 |
| Oct-14 | 2,447 | 348 | 274 | 2,078 | 210 | 20 | 13 | 196 | 43 | 6 | 1 | 22 | 2,700 | 374 | 288 | 2,296 |
| Nov-14 | 2,606 | 381 | 288 | 1,909 | 207 | 21 | 11 | 259 | 40 | 8 | 6 | 33 | 2,853 | 410 | 305 | 2,201 |
| Dec-14 | 2,663 | 271 | 224 | 2,398 | 205 | 19 | 12 | 306 | 39 | 5 | 0 | 46 | 2,907 | 295 | 236 | 2,750 |
| Jan-15 | 2,747 | 322 | 253 | 2,078 | 215 | 37 | 15 | 218 | 50 | 20 | 5 | 43 | 3,012 | 379 | 273 | 2,339 |
| Feb-15 | 2,768 | 298 | 239 | 1,918 | 219 | 33 | 15 | 344 | 56 | 15 | 4 | 38 | 3,043 | 346 | 258 | 2,300 |
| Mar-15 | 2,769 | 316 | 245 | 2,170 | 235 | 33 | 21 | 270 | 65 | 20 | 9 | 43 | 3,069 | 369 | 275 | 2,483 |
| Apr-15 | 2,716 | 279 | 228 | 1,652 | 241 | 35 | 16 | 245 | 67 | 11 | 4 | 98 | 3,024 | 325 | 248 | 1,995 |
| May-15 | 2,638 | 223 | 168 | 1,769 | 236 | 24 | 12 | 267 | 73 | 20 | 4 | 73 | 2,947 | 267 | 184 | 2,109 |
| Jun-15 | 2,556 | 224 | 169 | 1,767 | 234 | 29 | 16 | 224 | 68 | 6 | 2 | 80 | 2,858 | 259 | 187 | 2,071 |
| Jul-15 | 2,538 | 262 | 201 | 2,069 | 238 | 32 | 11 | 245 | 61 | 11 | 3 | 40 | 2,837 | 305 | 215 | 2,354 |
| Aug-15 | 2,570 | 238 | 183 | 1,933 | 220 | 13 | 7 | 137 | 60 | 6 | 1 | 22 | 2,850 | 257 | 191 | 2,092 |
| Sep-15 | 2,497 | 239 | 190 | 2,094 | 228 | 29 | 19 | 222 | 57 | 11 | 5 | 28 | 2,782 | 279 | 214 | 2,344 |
| Oct-15 | 2,600 | 377 | 281 | 2,242 | 222 | 22 | 13 | 188 | 61 | 14 | 5 | 71 | 2,883 | 413 | 299 | 2,501 |
| Nov-15 | 2,753 | 363 | 263 | 2,437 | 231 | 37 | 19 | 187 | 63 | 13 | 5 | 20 | 3,047 | 413 | 287 | 2,644 |
| Dec-15 | 2,817 | 313 | 230 | 2,547 | 227 | 20 | 13 | 199 | 62 | 11 | 4 | 55 | 3,106 | 344 | 247 | 2,801 |
| Jan-16 | 2,895 | 326 | 221 | 2,031 | 251 | 44 | 26 | 219 | 71 | 22 | 7 | 81 | 3,217 | 392 | 254 | 2,331 |
| Feb-16 | 2,917 | 302 | 215 | 2,467 | 259 | 39 | 18 | 331 | 76 | 16 | 2 | 25 | 3,252 | 357 | 235 | 2,823 |
| Mar-16 | 2,844 | 260 | 197 | 2,404 | 267 | 31 | 16 | 330 | 81 | 16 | 5 | 101 | 3,192 | 307 | 218 | 2,835 |
| Apr-16 | 2,762 | 303 | 206 | 1,970 | 287 | 50 | 23 | 278 | 75 | 9 | 2 | 30 | 3,124 | 362 | 231 | 2,278 |
| May-16 | 2,683 | 205 | 134 | 2,214 | 296 | 37 | 11 | 343 | 73 | 13 | 3 | 135 | 3,052 | 255 | 148 | 2,692 |
| Jun-16 | 2,578 | 176 | 111 | 1,777 | 295 | 30 | 7 | 270 | 69 | 9 | 1 | 63 | 2,942 | 215 | 119 | 2,110 |

Notes (applicable to all geographical areas)

Herd and test numbers

- (1) The number of herds registered on the APHA's Sam (computer) system. Occasionally there are changes to the number of herds registered on Sam. This is the result of routine or ad hoc data cleansing.
- (2) Herds for which tuberculin skin testing is carried out on at least one animal during the period shown. Does not include the supplementary interferon-gamma blood tests, which are performed in herds already under TB restrictions.
- (3) Herds for which tuberculin skin testing is carried out on at least one animal during the period shown and when the herd is OTF. Does not include interferon-gamma tests.
- (4) Count of the number of tests on cattle. An individual animal could be tested more than once in each time period. Includes a minority of interferon-gamma blood tests.
- (5) For some statistics the region or disease status is unknown. For this reason the data shown for England, Scotland and Wales will not sum to the GB figure.

TB incidents and animals slaughtered

- (1) Herds which were not officially TB-free (i.e. herds with OTF status suspended or withdrawn) due to a TB incident, at the end of the period shown.
- (2) Herds which were previously OTF, but either had cattle that reacted to a tuberculin test or a tuberculous animal disclosed by routine meat inspection at slaughter, during the period shown.
- (3) New herd incidents where OTF status was withdrawn from the herd.
- (4) Reactors slaughtered + inconclusive reactors slaughtered + direct contacts slaughtered.
- (5) For some statistics the region or disease status is unknown. For this reason the data shown for England, Scotland and Wales will not sum to the GB figure.

The statistics are a snapshot of the position on the date on which the data were extracted. The statistics from January 2014 are revised monthly.

In addition there are a number of incidents between May and December 2011 which remain unclassified. This followed the transition to APHA's current computer system Sam. This affects only a small number of records and work in 2015 and early 2016 to investigate these incidents has reduced this number substantially.

Figure 7: Comparison of the new and old measures of herd incidence of bovine TB in GB, since 1996

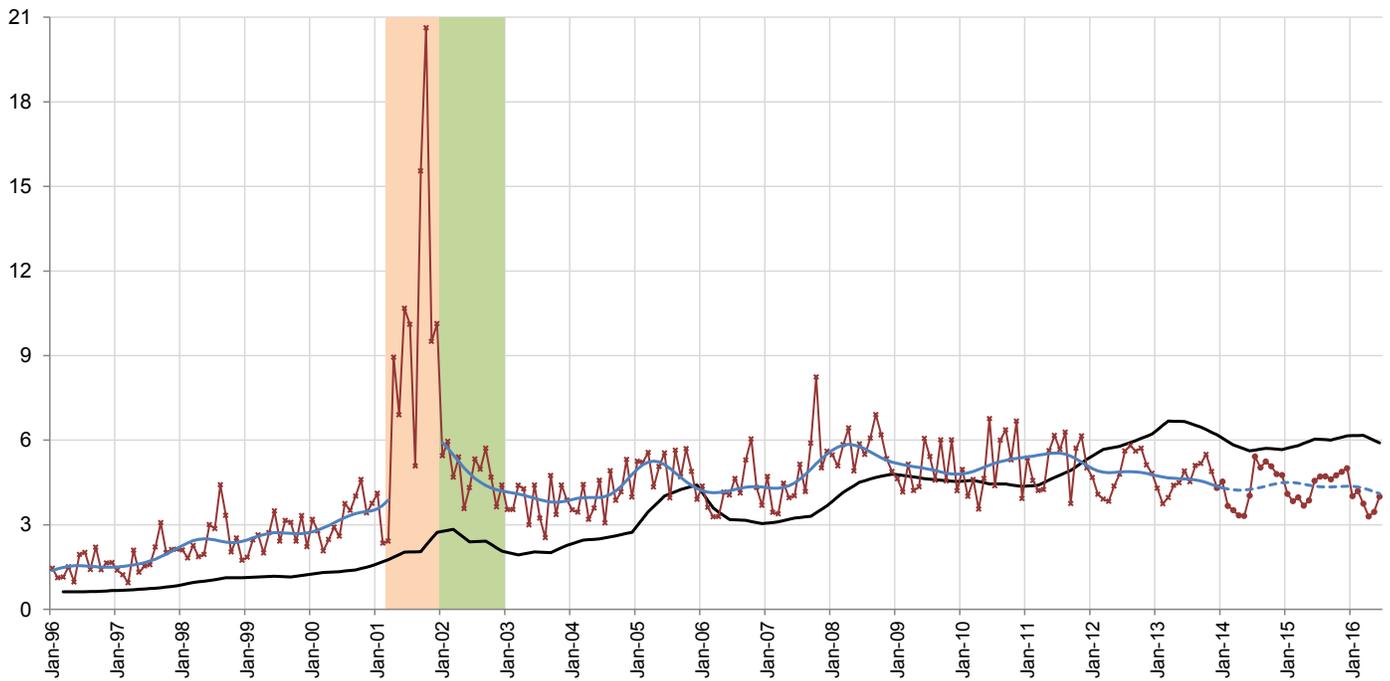
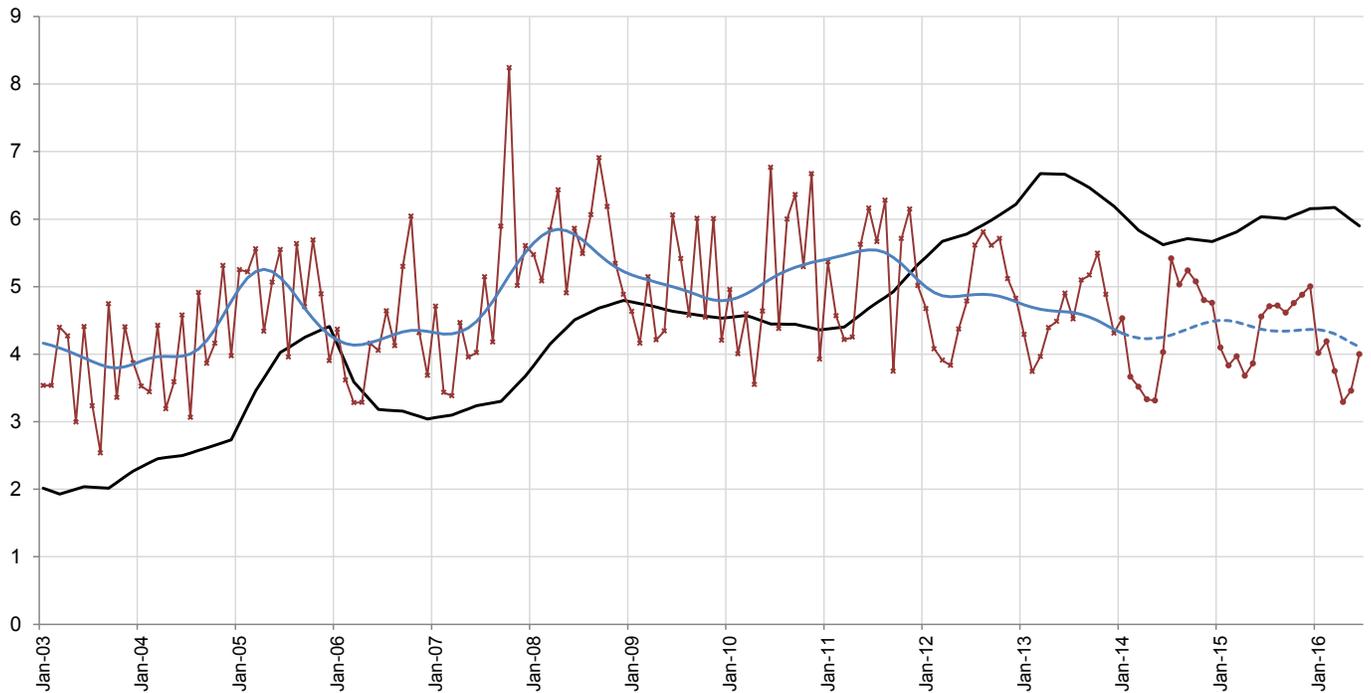


Figure 8: Comparison of the new and old measures of herd incidence of bovine TB in GB, since 2003



- TB testing significantly reduced due to the Foot and Mouth Disease outbreak and targeted to higher risk areas
- TB testing resumed in 2002 and was initially concentrated on clearing the backlog of overdue tests
- New herd incidents where OTF status is withdrawn (OTFW) per 100 herd years at risk of infection during the year (24 month rolling average)
- Percentage of tests on officially TB free herds resulting in officially TB free herd status being withdrawn (old measure)
- Provisional data (percentage of tests on officially TB free herds resulting in officially TB free herd status being withdrawn) (old measure)
- Trend-line (23 term henderson moving average of seasonally adjusted data) (old measure)
- Provisional trend-line (old measure)

These charts present two ways of measuring herd incidence:

- The previous herd incidence measure presented incidents where OTF status was withdrawn as a percentage of tests on OTF herds
- The new incidence rate is OTFW incidents per 100 herd years at risk

The two measures follow a fairly similar pattern over time with a gradual increase from the beginning of the time series. The previous measure showed a general decline from around 2012, driven largely by an increase in the amount of testing carried out in herds which resulted in an artificial decrease in herd incidence. The new measure appears to be showing a decline since mid-2013. The increase in the new measure relative to the previous one from 2011 onwards is likely to be the result of the inclusion of Welsh herds where OTF status can be withdrawn for epidemiological reasons in the absence of confirmation of TB via post-mortem examination or bacteriological culture, described above.

What is bovine tuberculosis?

Bovine tuberculosis (bTB) is a chronic infectious disease of cattle². The risk bTB poses to human health is low, largely due to milk pasteurisation. The disease is detected either on farms (through mandatory skin tests³ of cattle herds for bTB at regular intervals) and at abattoirs (through post-mortem meat inspection of cattle carcasses).

What are the impacts of bTB?

Bovine TB presents serious challenges to the food and farming industries and has economic and social impacts. The economic costs of a bTB breakdown⁴ are shared by farmers and government; in 2012 the estimated average cost of a confirmed herd breakdown in high risk areas of England was £14,000 to farmers and £20,000 to government⁵. Costs are incurred for a number of reasons:

- Cattle which are found (or are highly likely) to have bTB are slaughtered. This loses the farmer the value of the animal and its output. Government pays farmers compensation for slaughtered animals which is based on the market value of cattle.
- There are costs associated with testing animals for bTB. Farmers incur costs from gathering animals together, such as paying workers for their time, and government pays the vets' fees for carrying out tests on the herd (and in the event of a breakdown on herds in neighbouring farms).
- When an animal in a herd tests positive for the disease, the whole herd is put under movement restrictions until all the remaining animals are tested repeatedly with negative results. This presents costs to farmers, for example because they are unable to move their cattle to market or buy in replacements for animals that are slaughtered.

Other impacts of high bTB levels can include:

- Restrictions on international trade in cattle and cattle products.
- Significant stress amongst farmers, their families and local communities⁶
- The infection spilling over to domestic and wild animals⁷.

² bTB is caused by the bacterium *Mycobacterium bovis* (*M. bovis*). Cattle are the natural host of the bacterium, but many other species, including wildlife such as badgers and (less commonly) deer, are also susceptible to *M. bovis*, can develop TB and transmit the infection to other species.

³ the tuberculin skin test: if tuberculin (a purified sterile cocktail of proteins derived from *M. bovis* cultures) is injected into the skin of an animal infected with *M. bovis*, this will cause a localised allergic reaction characterised by temporary swelling of the skin, which is measured 72hrs after the injection. The principle is very similar to the skin tests for TB in humans.

⁴ A *breakdown* is the term used to describe the occurrence in a herd of at least one animal with a positive reaction to the skin test, or the identification of *M. bovis* in an animal with TB lesions detected at routine slaughter. The affected herd is then placed under restrictions and loses its Officially TB Free (OTF) status.

⁵ Economic analysis based on [research report SE3112 for Defra, 2004](#)

⁶ See for example [research report SE3120 for Defra, 2008](#)

⁷ For example Broughan, J. M., Downs, S. H., Crawshaw, T. R., Upton, P. A., Brewer, J. & Clifton-Hadley, R. S. (2013) *Mycobacterium bovis* infections in domesticated non-bovine mammalian species. Part 1: review of epidemiology and laboratory submissions in Great Britain 2004-2010. *Veterinary Journal* **198**, 346-35. See also <http://webarchive.nationalarchives.gov.uk/20140405112558/http://www.defra.gov.uk/ahvia-en/publication/pub-surreport-tb/>

Why monitor statistics about bTB?

Legal requirements: EU Member States are legally required to have accelerated bTB eradication plans in place in order to achieve officially TB free (OTF) status⁸. Defra and Welsh Government policy is to achieve OTF status for the whole country by 2038, while Scotland achieved OTF status in September 2009. bTB statistics are used in England and Wales to measure progress towards this target, and to support the annual case for Scotland to retain its OTF status, as the qualification is based on herd incidence.

Monitoring policy effectiveness: Statistics on the incidence of bTB in cattle herds and the number of cattle slaughtered as a result of bTB are used by policymakers to monitor the spread and concentration of the disease and to inform decisions around the potential approaches to controlling it. Existing controls include routine testing in cattle based on the disease incidence (or risk) in a given area, restricting movements of cattle from herds where an animal has tested positive for the disease and addressing the problem of disease spread through wildlife (principally badgers).

Factors affecting statistics on incidence of bTB in cattle herds

Variation in the monthly statistics can occur for a number of reasons, including:

- **Disease:** an increase in the trend can be the result of a higher proportion of herds experiencing a breakdown because of an increase in the underlying incidence of bTB.
- **Surveillance policy** (including the frequency of testing): Cattle herds in high risk areas⁹ are tested annually and cattle herds in low risk areas are usually tested every four years. In Scotland, which is OTF, a growing percentage of herds are exempt from routine testing. If cattle herds in a low prevalence region are tested more frequently than every four years, the increase in the number of bTB tests will not necessarily be followed by a similar increase in the detection of infected cattle and so this may result in a decline in the incidence rate.
- **Seasonality:** more animals are tested when they are housed, during winter months, compared with when they are grazing outdoors in summer months. This is simply because it is easier to gather and test the cattle when they are already contained within a building. The blue trend line in Figures 1 and 2 account for this by presenting seasonally adjusted data.
- Number of **testing days** in a given month: tests tend to be carried out at the beginning of the working week and the results collected and entered into the data system towards the end of the week. Months containing five Fridays may therefore have more positive test results than months containing four.

An extreme example of the impact of testing on the incidence rate can be seen in the statistics for 2001, when bTB testing was significantly reduced for most of the year due to the outbreak of Foot and Mouth Disease but new bTB breakdowns continued to be detected through disease surveillance in abattoirs. This led to an unusually high incidence rate for 2001 and 2002, when

⁸ "OTF Status" takes its meaning from European law: for a region or Member State of the EU to be considered to be OTF the annual incidence of herds with confirmed *M. bovis* infection must not have exceeded 0.1% and at least 99.9% of the herds within it must have been free from bTB at the end of the year for at least six consecutive years.

⁹ South West, West Midlands and East Sussex, where the majority of TB cases are found and where the prevalence (probability) of TB-infected cattle and badgers is relatively high.

effectively two years' worth of breakdowns were identified in one year when the normal testing regime resumed.

Surveillance policy in GB

These statistics are presented for GB, but the bTB surveillance and control policy – including how frequently animals are tested for bTB – varies between England, Wales and Scotland and has changed over time.

Timeline:

- **1990s:** most herds in GB tested every four years and background testing intervals determined on a parish basis. Herds in parishes with a high incidence of bTB breakdowns (in the South West of England and in parts of Wales) are tested on an annual or biennial basis, with a smaller number of three-yearly testing herds.
- **2004 to 2010:** the proportion of parishes and herds in England and Wales with annual testing increases gradually as the disease spread, with a corresponding decrease in the proportion of parishes with four-yearly testing.
- **October 2009:** the European Commission designates Scotland as an officially bTB free region of the UK.
- **January 2010:** In England, a core annual testing area is established, spanning entire counties in the South West and West Midlands (the 'high risk area') and surrounded by a 'buffer' of two-yearly testing parishes. Most of the rest of England remains on background four-year testing. The Welsh Government puts all cattle herds in Wales on annual bTB testing (with herds in the small Intensive Action Area of West Wales put on 6-monthly bTB testing).
- **2011 and 2012:** further expansion of the annual testing area in England to the east and north.
- **January 2013:** herd testing intervals are determined on a county basis and England is split into annual testing and four-yearly testing counties. Annual testing of herds is extended to all the counties at the edge of the high risk area (more detail below). Three- and two-yearly testing is abolished.
- **January 2015:** all cattle herds in the edge area of Cheshire are put on six-monthly testing.

Current differences in surveillance policy in GB

- **England** is divided into two cattle bTB testing frequency areas that broadly reflect the geographically clustered nature of the disease. The majority of bTB breakdowns are found in the High Risk Area and the Edge Area (counties of the South West, West Midlands and East Sussex). These herds are tested for bTB annually (or every six months in the Edge Area of Cheshire) and represent nearly 60% of all herds in England. In the rest of England most herds are tested every four years. Herds that have a high risk of contracting bTB or present a

potential public health risk (e.g. producer-retailers of unpasteurised milk) are tested annually regardless of their location.

- All herds in **Wales** are tested annually.
- **Scotland** has in place a risk-based routine herd testing policy. This targets testing at higher risk herds. Around 45 per cent of herds are considered low risk herds and are exempt from routine testing. These are herds which have 20 or fewer animals, minimal import of animals from high risk areas and send a high proportion of animals to slaughter. Herds that are not exempt are tested every four years.

More information on bovine TB can be found at:

England: <https://www.gov.uk/government/policies/reducing-bovine-tuberculosis>

Wales: <http://gov.wales/topics/environmentcountryside/ahw/disease/bovinetuberculosis/?lang=en>

Scotland: <http://www.scotland.gov.uk/Topics/farmingrural/Agriculture/animal-welfare/Diseases/disease/tuberculosis>

Methodology

For a description of the data sources and methodology used in the calculation of the TB statistics, together with notes on data revisions policy etc., please refer to the 'Background and Methodology' annex document at <https://www.gov.uk/government/statistics/data-and-methodology>.

Further Information

This statistical notice and a wide range of other statistics are available on the internet at: <https://www.gov.uk/government/organisations/department-for-environment-food-rural-affairs/about/statistics>