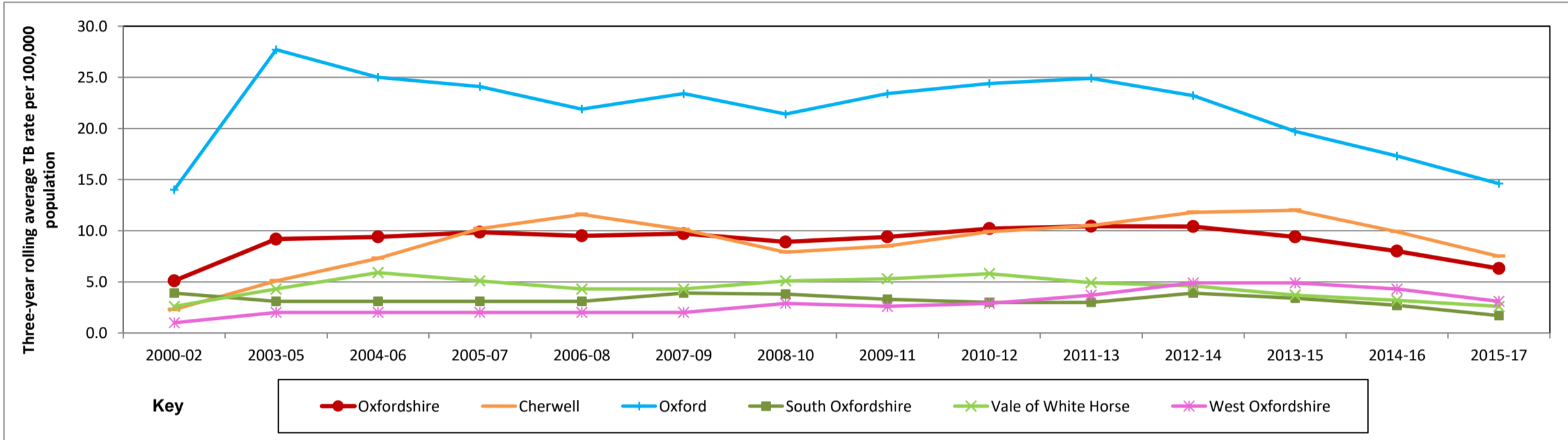
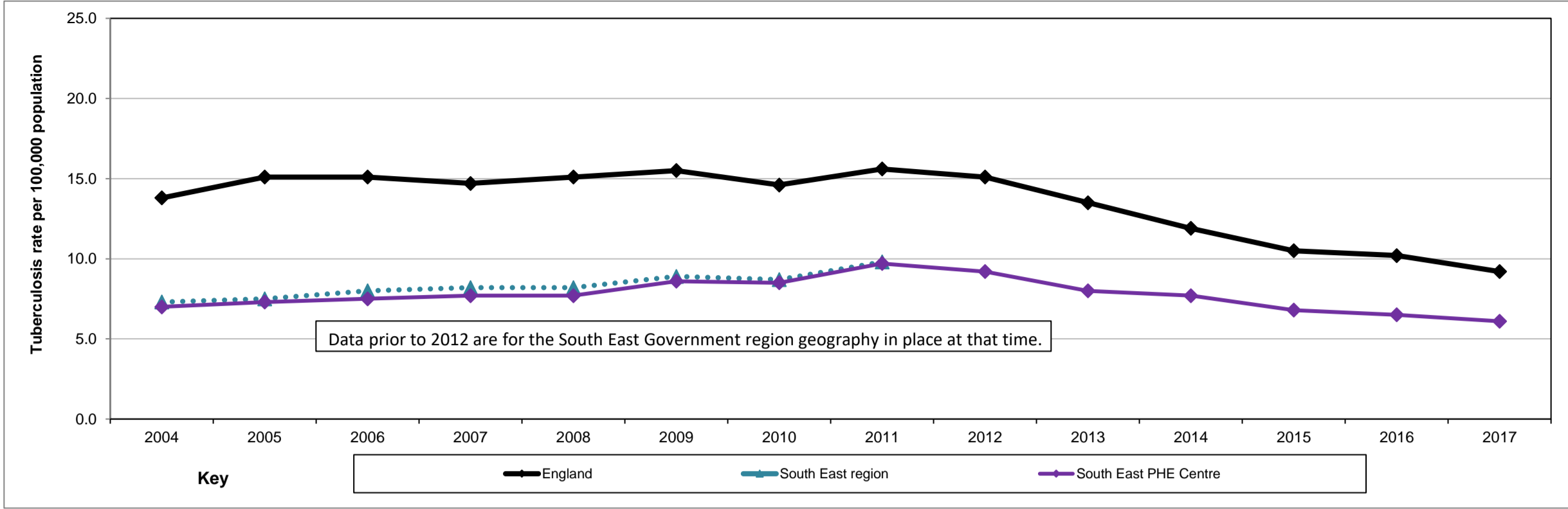


Tuberculosis (TB) - Rate per 100,000 population (2004 to 2017)
England, South East PHE Centre, Oxfordshire and districts within Oxfordshire



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|--|---|---|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|
| Definitions and data quality | Definition | Number of incidences (notifications) of tuberculosis per year per 100,000 population (England and South East region). Average number of incidences (notifications) of tuberculosis per year per 100,000 population (local districts) - three year rolling averages. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Source | Public Health England, Health Protection Agency (HPA) Enhanced Tuberculosis Surveillance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Numerator | The number (average number in local authority districts) of incidences of tuberculosis per year. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Denominator | Office for National Statistics (ONS) mid-year estimates for the relevant year. (Local rates are three-yearly rates and are calculated using the middle year of the three-year period.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Strengths & Limitations | <ol style="list-style-type: none"> All new tuberculosis (TB) cases (including cases diagnosed post-mortem) that meet one of the two following case definitions should be notified: <ul style="list-style-type: none"> culture confirmed case: culture confirmed disease, with speciation confirming Mycobacterium tuberculosis complex (M. tuberculosis, M. bovis, M. africanum or M. microti) clinically diagnosed case: in the absence of culture confirmation, a case that meets the following criteria: <ul style="list-style-type: none"> a clinician's judgement that the patient's clinical and/or radiological signs and/or symptoms are compatible with active TB, and a clinician's decision to treat the patient with a full course of anti-TB therapy for active TB Numbers at local authority level are very low. A three-year average is given which, at district level, often remains below 10. Numbers below 10 are suppressed to ensure patient confidentiality. For this reason data at a local level are not directly comparable to the England or regional data and are shown in a separate chart/table. Data for the county of Oxfordshire are calculated using district level numbers. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Latest available data | 2017 (2015-17) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Next available data | <table border="1"> <tr><td>Jan-19</td><td>Feb-19</td><td>Mar-19</td><td>Apr-19</td><td>May-19</td><td>Jun-19</td><td>Jul-19</td><td>Aug-19</td><td>Sep-19</td><td>Oct-19</td><td>Nov-19</td><td>Dec-19</td><td>Jan-20</td><td>Feb-20</td><td>Mar-20</td><td>Apr-20</td><td>May-20</td><td>Jun-20</td><td>Jul-20</td><td>Aug-20</td><td>Sep-20</td><td>Oct-20</td><td>Nov-20</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2018</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2019</td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2016-18</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2017-19</td><td></td><td></td></tr> </table> | Jan-19 | Feb-19 | Mar-19 | Apr-19 | May-19 | Jun-19 | Jul-19 | Aug-19 | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | | | | | | | | | 2018 | | | | | | | | | | | | | 2019 | | | | | | | | | | | 2016-18 | | | | | | | | | | | | | 2017-19 | | |
| Jan-19 | Feb-19 | Mar-19 | Apr-19 | May-19 | Jun-19 | Jul-19 | Aug-19 | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 2018 | | | | | | | | | | | | | 2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 2016-18 | | | | | | | | | | | | | 2017-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidemiological Facts | Time Trend | 1. All geographic areas show a downward trend. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Benchmarking Outside Oxfordshire | 1. Data are not strictly comparable due to averaging of data over a three-year period at a local level. However, overall Oxfordshire appears to have a lower incidence rate than England and is similar to South East PHE Centre rate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Benchmarking within Oxfordshire | 1. Oxford City has a significantly higher rate of Tuberculosis than Oxfordshire as a whole. 2. Three of the districts (South Oxfordshire, Vale of White Horse and West Oxfordshire) generally have very low rates and, in most cases, are significantly lower than Oxfordshire overall | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Expert interpretation and conclusions with additional information | <ol style="list-style-type: none"> In England, the number and rate of TB cases in 2017 was the lowest since data from enhanced TB surveillance was first available in 2000. The incidence rate of 9.2 per 100,000 population, for the first time, falls under the 10 per 100,000 WHO definition of a low incidence country. In England, over half of local authorities (57%) have now achieved a three-year average TB incidence of less than 5.0 per 100,000 and 12 of these have reached the WHO End TB pre-elimination target rate of less than 1.0 per 100,000. As in previous years, people born outside the UK accounted for the majority (71%) of TB notifications in 2017 and had a rate of TB 13 times higher than that of people born in the UK. The proportion of people with drug-resistance (initial isoniazid resistance without MDR/RR-TB) has remained stable (around 6%) over the past 10 years. TB outcomes in the drug sensitive cohort have improved slightly this year. Given the importance of TB as a public health issue, it is one of the key priorities of Public Health England who are working to support local clinical, preventative and social care systems in the NHS, local government and wider health and social care systems to address TB in Oxfordshire. Due to the inequalities in the rate of TB across Oxfordshire the RAG rating is amber. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Tuberculosis (TB) - Rate per 100,000 population (2004 to 2017)
England, South East PHE Centre, Oxfordshire and districts within Oxfordshire

| Year | England | | | | South East Region | | | | South East PHE Centre | | | | 3-Year average | Oxfordshire | | | | Cherwell | | | | Oxford | | | | South Oxfordshire | | | | Vale of White Horse | | | | West Oxfordshire | | | |
|------|---------|------|------|------|-------------------|------|-----|------|-----------------------|------|-----|------|----------------|-------------|------|-------|-----|----------|------|------|-----|---------|------|------|-----|-------------------|------|------|-----|---------------------|------|------|-----|------------------|------|-----|-----|
| | Num | Rate | LCI | UCI | Num | Rate | LCI | UCI | Num | Rate | LCI | UCI | | Av. Num | Rate | LCI | UCI | Av. Num | Rate | LCI | UCI | Av. Num | Rate | LCI | UCI | Av. Num | Rate | LCI | UCI | Av. Num | Rate | LCI | UCI | Av. Num | Rate | LCI | UCI |
| 2004 | 6929 | 13.8 | 13.5 | 14.1 | 591 | 7.3 | 6.7 | 7.9 | 557 | 7.0 | 6.5 | 7.6 | 31 | 5.10 | 3.47 | 7.25 | <10 | 2.3 | 0.5 | 6.6 | 19 | 14.0 | 8.4 | 21.9 | <10 | 3.9 | 1.3 | 9.1 | <10 | 2.6 | 0.5 | 7.6 | <10 | 1.0 | 0.0 | 5.8 | |
| 2005 | 7658 | 15.1 | 14.8 | 15.5 | 616 | 7.5 | 6.9 | 8.1 | 583 | 7.3 | 6.7 | 7.9 | 57 | 9.18 | 6.95 | 11.89 | <10 | 5.1 | 2.1 | 10.6 | 39 | 27.7 | 19.7 | 37.8 | <10 | 3.1 | 0.8 | 8.0 | <10 | 4.3 | 1.4 | 10 | <10 | 2.0 | 0.2 | 7.3 | |
| 2006 | 7682 | 15.1 | 14.7 | 15.4 | 658 | 8.0 | 7.4 | 8.6 | 607 | 7.5 | 7.0 | 8.2 | 59 | 9.40 | 7.16 | 12.13 | 10 | 7.3 | 3.5 | 13.4 | 36 | 25.0 | 17.5 | 34.6 | <10 | 3.3 | 0.8 | 7.9 | <10 | 5.9 | 2.4 | 12.2 | <10 | 2.0 | 0.2 | 7.3 | |
| 2007 | 7577 | 14.7 | 14.4 | 15.1 | 684 | 8.2 | 7.6 | 8.8 | 627 | 7.7 | 7.1 | 8.4 | 62 | 9.85 | 7.55 | 12.62 | 14 | 10.2 | 5.6 | 17.1 | 36 | 24.1 | 16.9 | 33.4 | <10 | 3.1 | 0.9 | 8.0 | <10 | 5.1 | 1.9 | 11.1 | <10 | 2.0 | 0.2 | 7.2 | |
| 2008 | 7809 | 15.1 | 14.7 | 15.4 | 684 | 8.2 | 7.6 | 8.8 | 629 | 7.7 | 7.1 | 8.4 | 60 | 9.49 | 7.24 | 12.21 | 16 | 11.6 | 6.6 | 18.9 | 33 | 21.9 | 15.0 | 30.7 | <10 | 3.1 | 0.8 | 8.0 | <10 | 4.3 | 1.4 | 10 | <10 | 2.0 | 0.2 | 7.1 | |
| 2009 | 8112 | 15.5 | 15.2 | 15.9 | 749 | 8.9 | 8.3 | 9.6 | 712 | 8.6 | 8.0 | 9.3 | 62 | 9.71 | 7.41 | 12.42 | 14 | 10.1 | 5.5 | 17 | 36 | 23.4 | 16.4 | 32.4 | <10 | 3.9 | 1.3 | 9.0 | <10 | 4.3 | 1.4 | 10 | <10 | 2.0 | 0.2 | 7.1 | |
| 2010 | 7676 | 14.6 | 14.3 | 14.9 | 741 | 8.7 | 8.1 | 9.3 | 711 | 8.5 | 7.9 | 9.2 | 57 | 8.90 | 6.74 | 11.53 | 11 | 7.9 | 3.9 | 14.1 | 32 | 21.4 | 14.7 | 30.3 | <10 | 3.8 | 1.2 | 8.9 | <10 | 5.1 | 1.9 | 11 | <10 | 2.9 | 0.6 | 8.6 | |
| 2011 | 8280 | 15.6 | 15.3 | 15.9 | 834 | 9.8 | 9.1 | 10.5 | 813 | 9.7 | 9.0 | 10.4 | 61 | 9.40 | 7.19 | 12.08 | 12 | 8.5 | 4.4 | 14.9 | 36 | 23.4 | 16.4 | 32.4 | <10 | 3.3 | 0.8 | 7.9 | <10 | 5.3 | 1.8 | 10.9 | <10 | 2.6 | 0.6 | 8.4 | |
| 2012 | 8083 | 15.1 | 14.8 | 15.4 | 778 | 9.2 | 8.5 | 9.9 | 778 | 9.2 | 8.5 | 9.9 | 67 | 10.2 | 7.9 | 13.0 | 15 | 9.9 | 5.4 | 16.6 | 38 | 24.4 | 17.1 | 33.6 | <10 | 3.0 | 0.8 | 7.6 | <10 | 5.8 | 2.3 | 11.9 | <10 | 2.9 | 0.6 | 8.4 | |
| 2013 | 7263 | 13.5 | 13.2 | 13.8 | 683 | 8.0 | 7.4 | 8.6 | 683 | 8.0 | 7.4 | 8.6 | 69 | 10.4 | 8.1 | 13.2 | 16 | 10.50 | 5.9 | 17.3 | 39 | 24.9 | 17.6 | 34.2 | <10 | 3.0 | 0.8 | 7.60 | <10 | 4.91 | 1.8 | 10.6 | <10 | 3.7 | 1.0 | 9.6 | |
| 2014 | 6472 | 11.9 | 11.6 | 12.2 | 664 | 7.7 | 7.1 | 8.3 | 664 | 7.7 | 7.1 | 8.3 | 69 | 10.4 | 9.0 | 11.9 | 17 | 11.80 | 8.8 | 15.6 | 36 | 23.2 | 19.0 | 28.0 | <10 | 3.9 | 2.2 | 6.40 | <10 | 4.6 | 2.7 | 7.3 | <10 | 4.9 | 2.8 | 8.0 | |
| 2015 | 5727 | 10.5 | 10.2 | 10.7 | 593 | 6.9 | 6.3 | 7.4 | 593 | 6.9 | 6.3 | 7.4 | 63 | 9.4 | 8.1 | 10.8 | 17 | 12.0 | 9.0 | 15.7 | 31 | 19.7 | 15.9 | 24.1 | <10 | 3.4 | 1.9 | 5.70 | <10 | 3.7 | 2.0 | 6.3 | <10 | 4.9 | 2.8 | 8.0 | |
| 2016 | 5684 | 10.2 | 10.0 | 10.5 | 567 | 6.5 | 5.9 | 7.0 | 567 | 6.5 | 5.9 | 7.0 | 54 | 8.0 | 6.8 | 9.5 | 14 | 9.9 | 7.1 | 13.3 | 28 | 17.3 | 13.8 | 21.5 | <10 | 2.7 | 1.3 | 4.80 | <10 | 3.2 | 1.6 | 5.5 | <10 | 4.3 | 2.4 | 7.2 | |
| 2017 | 5102 | 9.2 | 8.9 | 9.4 | 539 | 6.1 | 5.6 | 6.7 | 539 | 6.1 | 5.6 | 6.7 | 43 | 6.3 | 5.2 | 7.5 | 11 | 7.5 | 5.2 | 10.5 | 23 | 14.6 | 11.4 | 18.6 | <10 | 1.7 | 0.7 | 3.5 | H | <10 | 2.6 | 1.2 | 4.8 | <10 | 3.1 | 1.5 | 5.6 |

EN is England
 LCI is lower limit of 95% confidence interval.
 UCI is upper limit of 95% confidence interval.
 <10 - data suppressed due to numbers below 10

The shaded area relate to data prior to NHS organisational changes. From 2012 data were provided for PHE Regions (South of England) and PHE Centres (Thames Valley). PHE Centres changed in 2014 - data have been backdated for South East PHE Centre using annual data. This is added to the first chart above.