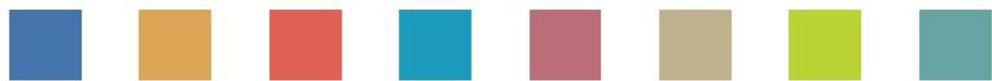


## Section 1: demographics

# Demographics: introduction



a single version of the truth



## Related briefings in the JSA for Health and Wellbeing

Briefing (and hyperlink)	Section
<a href="#">Age and the ageing population</a>	Demographics
<a href="#">Gender</a>	Demographics
<a href="#">Ethnicity</a>	Demographics
<a href="#">Demographics</a>	Children and young people
<a href="#">Demographics</a>	Burden of ill-health: disability and conditions effecting older people

## Edition

Edition	Version no.	Changes/Comments
2012/13	1	
2013/14	2	Mid-year estimates for 2012. Registered GP population from July 2013.

## Executive summary

Understanding the size and structure of Wiltshire's population is fundamental if the council and its partners are to have the ability to prioritise and deliver services efficiently.

The 2011 Census has taken place and Wiltshire had a very successful census programme, involving much stakeholder and community engagement, resulting in an excellent 96% overall response rate. The Census estimated Wiltshire's total population at 471,000 people.

Mid-year estimates have now been released for 2012 and Wiltshire's estimated population is 476,816. This is the most up to date official estimate of Wiltshire's true population.

Wiltshire has a robust methodology for producing population estimates and projections at Community Area geographies. This was used to publish 'Wiltshire Population 2011 – Wiltshire and Community Area Population Estimates and Projections 2001 to 2026: Trend based' in July 2011.

The higher than expected 2011 Census and 2011 and 2012 mid-year estimates of Wiltshire's total population renders the current Wiltshire Population 2011 document and data an underestimate of the true present and future demographic picture for Wiltshire, which will need to be addressed.

ONS have produced interim population projections based on the 2011 Census and forecast that Wiltshire's population will grow by 6.6% between 2011 and 2021 resulting in a total population of 505,416 in 2021.

## Introduction

Understanding the size and structure of Wiltshire's population is fundamental if the council and its partners are to have the ability to prioritise and deliver services efficiently. In light of the current national economic situation, this statement carries considerably greater weight than it has done for decades.

The Department for Communities and Local Government (DCLG) allocates funding to all local authorities in England based on population size and structure information. The primary sources of information are the Census and mid-year population estimates produced by the Office for National Statistics (ONS) each year. Whilst the Census provides a wealth of detail on different aspects of the population, and provides information for very small geographical areas known as 'Output Areas', the mid-year estimates provide a relatively up-to-date picture of the age-sex structure of the UK population between censuses. The mid-year estimates are produced for local authority geographies and typically have a one year lag.

The ONS, recognising the need to understand the likely size and structure of the population in future years, also produces national projections and sub-national (for England) projections. These projections are based on observed demographic trends

and demographic assumptions about future fertility, mortality and migration. They show how population levels and structure will change if those trends continue and assumptions are realised. Interim projections based on the 2011 Census which looked ten years ahead were released in September, 2012.

Additionally, most people are registered with GPs in Wiltshire and practice populations are used to plan and deliver health services throughout the county and to monitor performance.

Users of population data and demographic information produced by Wiltshire Council include the various service areas of the council, community area partnerships, community area boards, the Wiltshire CCG, Wiltshire Police and the Wiltshire Fire and Rescue Service. The information is also used in the public domain, by parish councils, local businesses and organisations and many more. Ensuring clear and easily accessible routes to this information helps improve decision-making for these bodies.

## Background

Wiltshire is a large, predominantly rural and generally prosperous county. Almost half of the population resides in towns and villages with less than 5,000 people and a quarter live in villages of fewer than 1,000 people.

Approximately 90% of the county is classified as rural and there are significant areas with a rich and diverse heritage of national and international interest, such as Stonehenge and Salisbury Cathedral. The relationship between the city of Salisbury and the larger towns in Wiltshire and the rest of the county has a significant effect on transport, employment, travel to work issues, housing and economic needs.

Wiltshire Council was formed in 2009, combining the previous County Council and four District Councils into one single unitary authority. Within Wiltshire, the Council and local partners have identified twenty Community Areas, forming eighteen Community Area Boards.

The primary sources of population information are the Census and mid-year population estimates produced by the ONS along with information from GPs about people registered with them.

## Population estimates and projections

### Census estimates

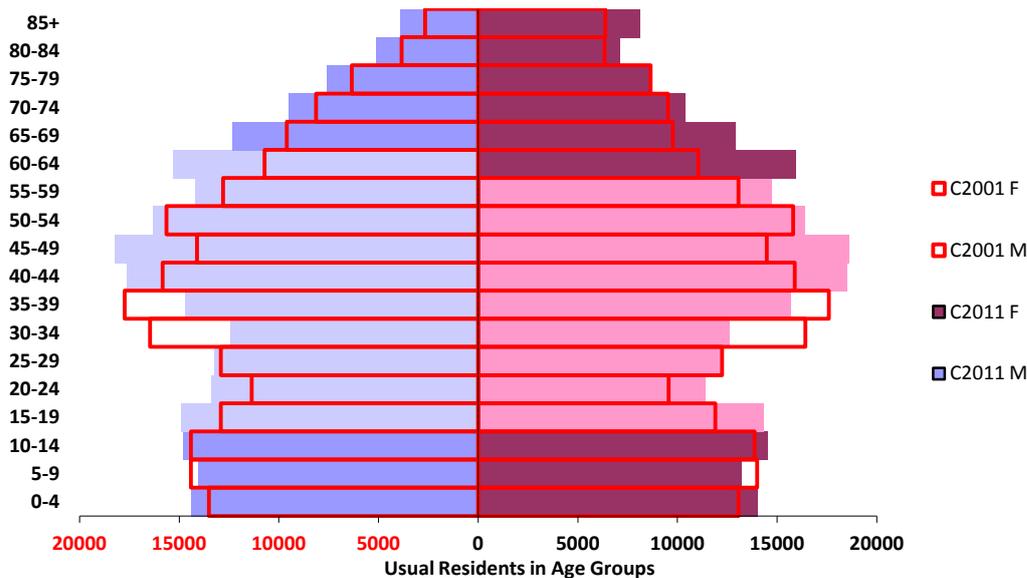
The Census provides a wealth of detail on different aspects of the population, and provides information for very small geographical areas known as 'Output Areas'. The 2011 Census was carried out on March 27th 2011 and involved around 25 million households in England and Wales.

On Census evening, 27th March 2011, Wiltshire had an estimated total population of 471,000 persons, making it the fifth largest authority in the South West. Wiltshire

had a very successful census programme, involving much stakeholder and community engagement, resulting in an excellent 96% overall response rate.

Over the period Census 2001 to Census 2011, Wiltshire's population growth was 8.8%, higher than England's at 7.9%, and higher still than the South West's growth at 7.3%. Wiltshire's growth rate was the fourth largest in the region and, with only Swindon, Bristol and Bournemouth in the region having higher growth rates, the highest of any of the rural authorities in the South West.

**Figure 1 - Census 2001 and Census 2011 populations, Wiltshire**



Source: Office for National Statistics

The datasets resulting from the 2011 Census offer the most detailed and accurate picture of the population available. The Office for National Statistics began to release the Census 2011 data on 16 July 2012.

2011 Census results for Wiltshire are available from the Wiltshire Intelligence Network: <http://www.intelligenetwork.org.uk/population-and-census/>

Summary for Wiltshire:

<http://www.intelligenetwork.org.uk/EasysiteWeb/getresource.axd?AssetID=52581&type=full&servicetype=Attachment>

Summary facts:

<http://www.intelligenetwork.org.uk/EasysiteWeb/getresource.axd?AssetID=52578&type=full&servicetype=Attachment>

First data release:

<http://www.intelligenetwork.org.uk/EasysiteWeb/getresource.axd?AssetID=52576&type=full&servicetype=Attachment>

## Mid-year population estimates

The mid-year estimates provide a relatively up-to-date estimated picture of the age-sex structure of the UK population between censuses. The mid-year estimates are produced for local authority geographies and typically have a one year lag. The further the estimates are from a census year the less accurate they are likely to become. However, mid-year estimates are used, in preference to census figures, in a wide range of comparisons and as denominators in rate calculations.

The 2012 mid-year estimates show that Wiltshire had a population of 476,816.

**Table 1: Population by broad age group, 2012**

	Wiltshire		South West		England	
	Number	% of total population	Number	% of total population	Number	% of total population
0-15	91,500	19.2%	937,600	17.6%	10,130,200	18.9%
16-64	295,000	61.9%	3,316,700	62.1%	34,307,000	64.1%
65 plus	90,300	18.9%	1,085,300	20.3%	9,056,500	16.9%
<b>Total</b>	<b>476,800</b>	<b>100.0%</b>	<b>5,339,600</b>	<b>100.0%</b>	<b>53,493,700</b>	<b>100.0%</b>

Source: ONS 2012 mid-year estimates (figures have been rounded to the nearest hundred)

After the 2011 Census the mid-year estimates for previous years will be revised by the ONS. Until this exercise is completed it is difficult to perform population growth calculations. However, it is clear that there were a lot more people residing in Wiltshire than official statistics showed. The 2011 mid-year estimate of 474,300 was around 15,000 higher than the (un-revised) 2010 mid-year estimate.

The population of Wiltshire accounts for 8.95% of the total South West population. With 146 people per square kilometre Wiltshire has a lower population density than the South West or England overall. The rural nature of the county has implications for the planning and provision of health and social care services, particularly with a shift towards more provision of services in the community. It also has implications for transport planning, especially in the context of a commitment to sustainable living and potential reduction in availability of fossil fuels.

The latest mid-year population estimates for mid-year 2012 are available on the ONS website: <http://www.ons.gov.uk/ons/rel/pop-estimate/population-estimates-for-england-and-wales/mid-2012/mid-2012-population-estimates-for-england-and-wales.html>

## Population projections

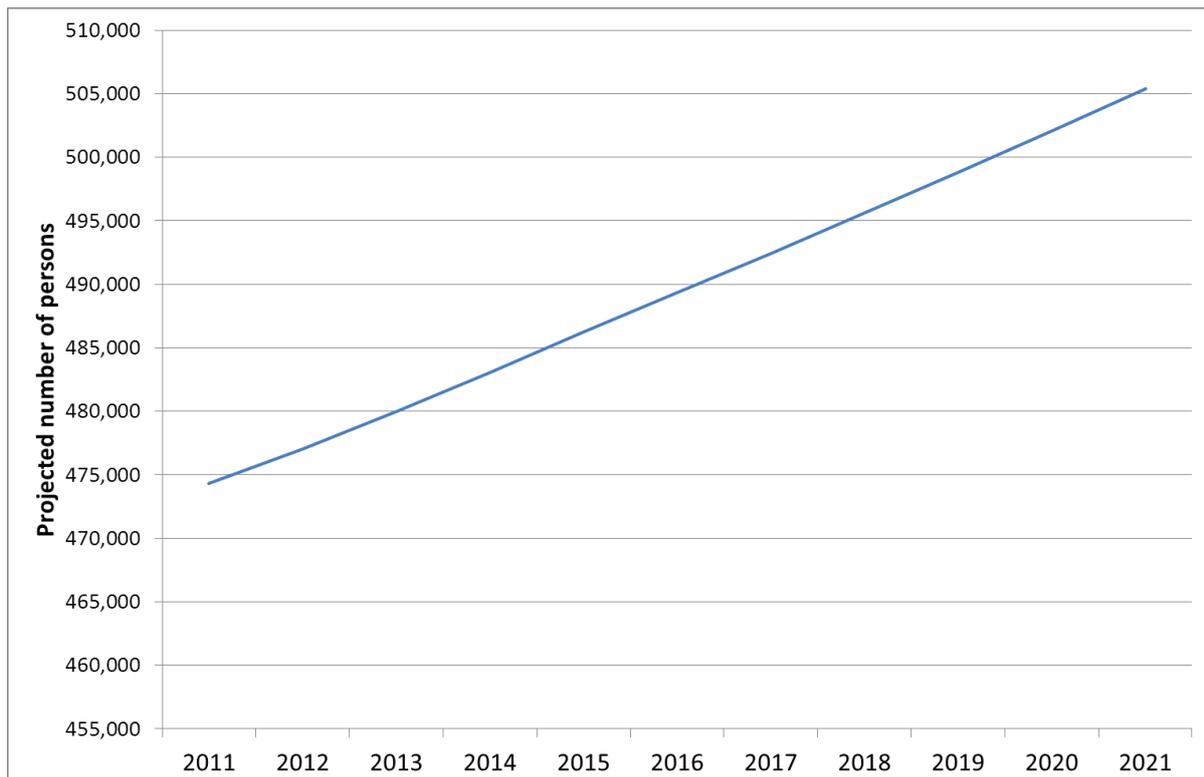
The ONS, recognising the need to understand the likely size and structure of the population in future years, also produces national projections, and sub-national (available for areas in England) projections. These projections are based on observed demographic trends and demographic assumptions about future fertility, mortality and migration. They show how population levels and structure will change if those trends continue and assumptions are realised.

The latest population projections at local authority level are based on the 2011 Census and 2011 mid-year population estimates and cover the ten year period to 2021. They are available on the ONS website:

<http://www.ons.gov.uk/ons/rel/snpp/sub-national-population-projections/Interim-2011-based/index.html>

Wiltshire's population is projected to grow from 474,300 in 2011 to 505,416 in 2021. This represents a 6.6% increase which is slightly below the growth projected in the South West (8.3%) and England (8.6%) over the same period.

**Figure 2: Projected population of Wiltshire, 2011-2021**



Source: ONS 2011 based interim population projections: <http://www.ons.gov.uk/ons/rel/snpp/sub-national-population-projections/Interim-2011-based/index.html>

## Wiltshire Council estimates and projections

In order to arrive at detailed population projections, Wiltshire Council uses a Department of Communities and Local Government (DCLG) owned population modelling tool called Popgroup. This allows generation of local population projections based on ONS and other administrative datasets. There are numerous benefits in using this population model, not least being able to produce population projections (by individual ages and sex) for bespoke geographies within Wiltshire such as community areas, e.g. the number of 23 year old women in Corsham Community Area in 2014.

### Wiltshire and Community Area population estimates and projections

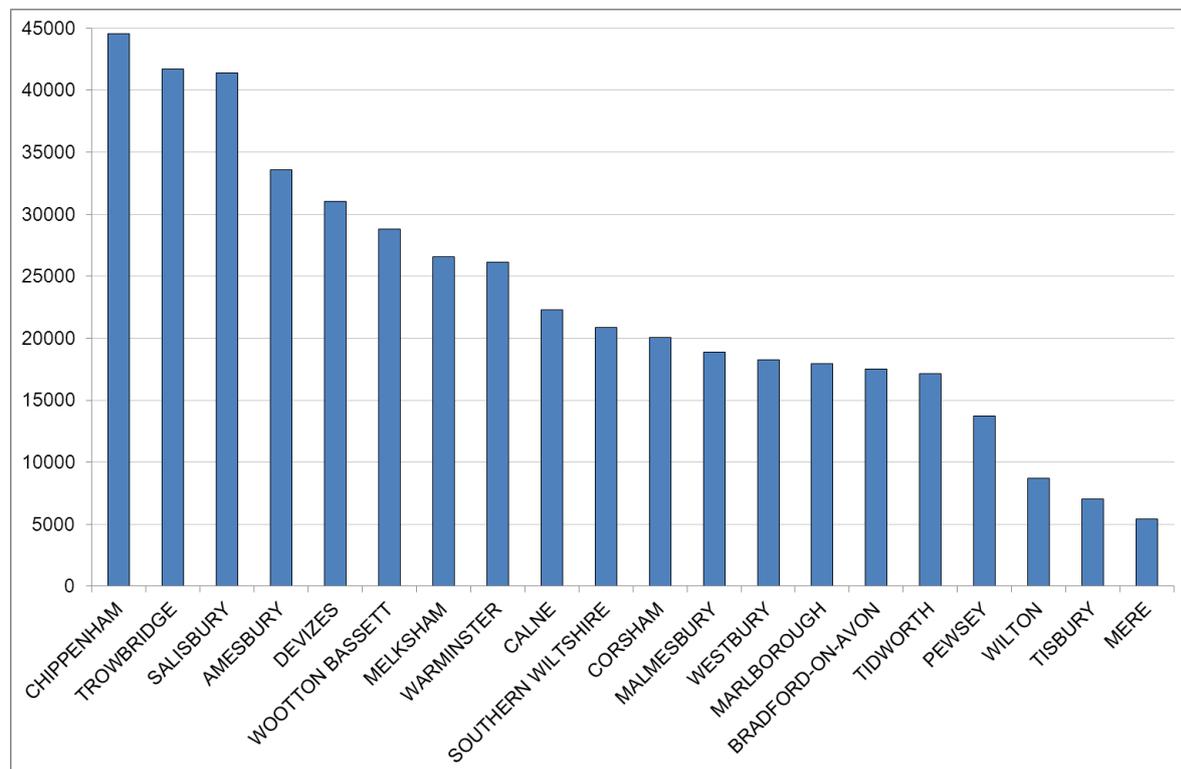
The majority of locally produced population estimates and projections were calculated before the 2011 Census.

The 2001 to 2026 trend based estimates and projections report<sup>1</sup> provides estimates of population in Wiltshire Unitary Authority and community areas of Wiltshire for 2001 and 2009. It also provides projections for individual years from 2010 to 2016, and for 2021 and 2026. Figures are given for the key variables: age structures and components of change. The projections presented in this document are “trend-based” which means they don’t take account of local policy decisions such as where new houses will be built. The data is available in Excel format from the Intelligence Network [<http://www.intelligenancenetwork.org.uk/population-and-census/?opentab=2>].

However, based on the ONS interim population projections for 2011 to 2021<sup>2</sup>, Wiltshire level interim population projections for the same period have been produced and are available here: <http://tinyurl.com/hwjsa501> Further projections will be calculated when ONS have released the final 2011 Census based projections and 2002-2010 revised mid-year estimates at local level.

Figure 3 shows that there is a significant difference in total population between various community areas in Wiltshire, using trend-base projections. Chippenham is Wiltshire’s most populous community area with a projected mid-year 2011 total population of 44,530. Trowbridge and Salisbury community areas, containing Wiltshire’s two other principal settlements<sup>3</sup> are within Wiltshire’s second and third most populous community areas with 41,700 and 41,370 persons respectively. Mere is projected to be Wiltshire’s least populous community area with only 5,390 persons at mid-year 2011. At 159 square kilometres Chippenham community area is 56% larger than Mere community area, and yet Chippenham has a projected mid-year total population more than eight times larger than the projected total population of Mere for the same year.

**Figure 3: Wiltshire community area total populations, mid-year 2011**



Source: Wiltshire Council popgroup – trend based projections, 2011

Trend-based projections anticipate that Wiltshire's total population will see a rise of 18.2% from mid-year 2001 to mid-year 2026<sup>4</sup>. Six of Wiltshire's community areas are projected to experience percentage increases of their total populations greater than Wiltshire's 18.2% increase. These community areas are: Calne 45.9%, Westbury 35.7%, Trowbridge 32.2%, Devizes 31.9%, Corsham 27.7% and Melksham 23.7%. Seven community areas, of which Salisbury is one, are anticipated to change by less than 10% between mid-year 2001 and mid-year 2026. Only one community area in Wiltshire is anticipated to experience negative growth. Tisbury's total population is projected to decrease by 4.4% during the projection period. See Table 2 for a detailed population breakdown by community area for Wiltshire.

**Table 2: Change in population by Community Area**

Community Area	% change 2001 to 2026*
Calne	45.9
Westbury	35.7
Trowbridge	32.2
Devizes	31.9
Corsham	27.7
Melksham	23.7
<b>Wiltshire</b>	<b>18.2</b>
Chippenham	17.1
Bradford-on-Avon	16.9
Warminster	16.3
Malmesbury	14.0
Marlborough	13.7
Pewsey	13.2
Amesbury	10.6
Salisbury	9.1
Tidworth	8.9
Mere	8.5
Southern Wiltshire	7.3
Wootton Bassett & Cricklade	7.1
Wilton	0.6
Tisbury	-4.4

\*Projected total population percentage change mid-year 2001 to mid-year 2026

## Registered population

The majority of people are registered with GPs. Wiltshire Council and Wiltshire CCG are responsible for services for people resident or registered within the county. Some people may live outside of Wiltshire but be registered with a Wiltshire GP. Conversely, some people may live in Wiltshire but be registered with GPs elsewhere or not registered at all for a variety of reasons, e.g. drug and alcohol dependent people, the homeless, holiday makers, temporary residents, elderly people or people using private healthcare. This makes providing healthcare for people in these groups more complex as they are likely to be excluded from the mainstream health services.

Finding out exactly how many people are not registered with a doctor, and therefore do not have access to primary care services, is not simple. There are discrepancies between the number of residents registered with a GP and the overall resident population. For example, the number of people registered with a GP can be inflated if people who move away from the area do not register with another doctor.

There were just over 476,000 people registered with Wiltshire GPs in July 2013.

GP population can now be accessed from the National General Practice Profiles<sup>5</sup>.

**Table 3: Registered populations by Practice, July 2013**

Surgery	Reference	CCG locality*	Population
Sixpenny Handley**	J81083	Sarum	4,426
Harcourt Medical Centre, Salisbury	J83003	Sarum	11,784
Whiteparish Surgery	J83004	Sarum	6,687
Barcroft Medical Centre, Amesbury	J83005	Sarum	10,524
Purton Surgery	J83006	NEW	9,503
Hathaway Medical Centre, Chippenham	J83007	NEW	15,848
Lovemead Group Practice, Trowbridge	J83008	WWYKD	16,674
Porch Surgery, Corsham	J83010	NEW	11,943
Giffords Primary Care Centre, Melksham	J83011	WWYKD	13,614
Box Surgery	J83013	NEW	6,507
Castle Practice, Ludgershall	J83014	Sarum	11,059
Adcroft Surgery, Trowbridge	J83016	WWYKD	13,026
Pewsey Surgery	J83017	NEW	6,684
Avenue Surgery, Warminster	J83018	WWYKD	16,527
The Orchard Partnership, Wilton	J83019	Sarum	10,271
St Ann Street Surgery, Salisbury	J83020	Sarum	7,705
Salisbury Medical Practice	J83021	Sarum	13,405
Avon Valley Practice, Upavon	J83023	Sarum	6,212
Endless Street Surgery, Salisbury	J83026	Sarum	8,804
Bradford Road Medical Centre, Trowbridge	J83028	WWYKD	10,473

Surgery	Reference	CCG locality*	Population
Tinkers Lane Surgery, Royal Wootton Bassett	J83029	NEW	9,012
Bradford-on-Avon and Melksham Health Partnership	J83030	WWYKD	20,533
Three Swans Surgery, Salisbury	J83032	Sarum	8,553
Lansdowne Surgery, Devizes	J83034	WWYKD	7,730
Marlborough Surgery	J83037	NEW	11,899
Northlands Surgery, Calne	J83039	NEW	10,487
Westbury Group Practice	J83040	WWYKD	18,997
Malmesbury Primary Care Centre	J83041	NEW	14,996
Rowden Surgery, Chippenham	J83042	NEW	15,730
Downton Surgery	J83043	Sarum	6,774
Widbrook Medical Practice, Trowbridge	J83044	WWYKD	5,842
Ramsbury Surgery	J83045	NEW	8,689
Spa Medical Centre, Melksham	J83046	WWYKD	11,058
St Melor House Surgery, Amesbury	J83048	Sarum	4,998
Southbroom Surgery, Devizes	J83049	WWYKD	11,079
Patford House Surgery, Calne	J83050	NEW	8,576
Castle Street Surgery, Salisbury	J83052	Sarum	5,851
St. James Surgery, Devizes	J83053	WWYKD	6,609
New Court Surgery, Royal Wootton Bassett	J83055	NEW	8,870
Market Lavington Surgery	J83056	WWYKD	5,616
Tisbury Surgery	J83058	Sarum	3,615
Mere Surgery	J83060	Sarum	4,347
Wilton Health Centre	J83062	Sarum	3,186
Burbage Surgery	J83601	NEW	3,269
Jubilee Field Surgery, Yatton Keynell	J83603	WWYKD	4,533
Cricklade Surgery	J83609	NEW	2,555
Old School House Surgery, Great Bedwyn	J83615	NEW	3,427
Tolsey Surgery, Sherston	J83618	NEW	3,388
Courtyard Surgery, West Lavington	J83619	WWYKD	2,634
Lodge Surgery, Chippenham	J83625	NEW	8,291
Bemerton Heath Surgery, Salisbury	J83627	Sarum	3,204
Silton Surgery	J83629	Sarum	1,941
Hindon Surgery	J83630	Sarum	2,064
Cross Plains Surgery, Durrington	J83632	Sarum	3,367
Beversbrook Medical Centre, Calne	J83636	NEW	5,991
Smallbrook Surgery, Warminster	J83642	WWYKD	4,147
Bourne Valley Practice, Ludgershall	J83643	Sarum	2,592
<b>Total</b>			<b>476,126</b>

<b>CCG locality</b>			<b>Population</b>
<b>NEW total</b>			<b>165,665</b>
<b>Sarum total</b>			<b>141,369</b>
<b>WWYKD total</b>			<b>169,092</b>
<b>Total</b>			<b>476,126</b>

\*Clinical Commissioning Group (CCG) localities:

NEW: North and East Wiltshire

Sarum: Sarum NHS Alliance

WWYKD: West Wiltshire, Devizes and Yatton Keynell

\*\* Sixpenny Handley is based outside of Wiltshire but within the Wiltshire CCG.

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### With input from:

Doug Anderson, Demographer, Wiltshire Council

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<http://www.intelligencenetwork.org.uk/EasysiteWeb/getresource.axd?AssetID=49645&type=full&servicetype=Attachment>

<sup>2</sup> <http://www.ons.gov.uk/ons/rel/snpp/sub-national-population-projections/Interim-2011-based/index.html>

<sup>3</sup> Wiltshire Core Strategy consultation document, June 2011

<sup>4</sup> Wiltshire Core Strategy consultation document, June 2011

<sup>5</sup> <http://fingertips.phe.org.uk/profile/general-practice/data>