

MID-
2016

POPULATION ESTIMATES COLCHESTER

*Report prepared by the Research & Engagement Team
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The annual population estimates show the population of Colchester to have increased from 183,939 people in mid-2015 to 186,635 in mid-2016.



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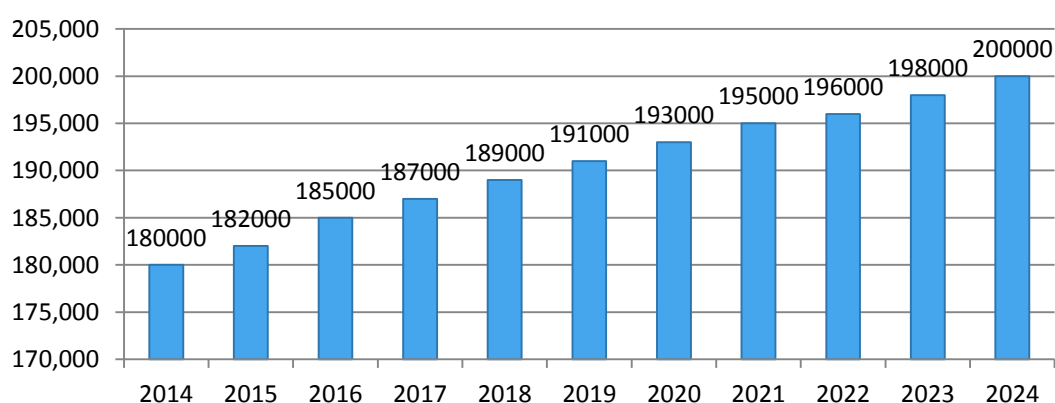
Executive Summary

- In mid-2016 Colchester's population was estimated to stand at 186,635.
- There has been an increase of 1.5% (approximately 2,696 people) between mid-2015 and mid-2016. In 2015 Colchester was the largest district in Essex County.
- Colchester is still the largest district in Essex, and accounts for 12.8% of the county population, a slight increase of 0.1% from mid-2015.
- These figures indicate an average population density of 583 people per square kilometre (km²). This is an increase of 4% from 2015 when there were 559 people per square kilometre (km²).
- An estimated 44,132 young people (0-19 years) were living in the borough in mid-2016, which accounts for approximately 23.6% of the total population. This is a slight increase from mid-2015 when young people accounted for 22% of the Colchester population.
- In mid-2016 approximately 119,506 individuals were aged 16-64, equating to approximately 64% of the total population.
- An estimated 32,126 people in Colchester were 65+ in mid-2016 accounting for an estimated 17% of the population.

2014-based Subnational Population Projections

Colchester's population is estimated to grow to approximately 199,900 people in 2024, an increase of 19,500 people over a ten year period. This is the highest population growth in Essex County, the second highest estimated to be in Basildon, with an increase of 15,282 people over a ten year period.

Projected Population of Colchester 2014 - 2024



1. Introduction

This document looks at the Office for National Statistics (ONS) mid-2016 population estimates and is the most recent data to be published for Colchester and other Essex districts. Data are presented in tables and charts and accompanied by brief commentaries. Notes to the tables can be found at the end of the document. The 2011 Census has led to the revision of the Mid-Year-Estimate (MYE) series from 2002-2010. A summary of these revisions is also included in this document.

For further information on this document or other demographic data please contact Shane Howe on 01206 508031 or email research@colchester.gov.uk

2. Methodology and caveats

2016 Mid-year population estimates are based on the results of the 2011 Census for England and Wales and take account of population change due to yearly births, deaths and net migration.

It is important to note that these estimates of the population are trend based and therefore subject to social changes within the borough. Further information about how the mid-year estimates are calculated is available in Appendix 1.

3. Headline figures for Colchester & Essex

The estimated population of Colchester for mid-2016 is 186,635 compared with 183,939 for mid-2015. This change is made up as follows:

Population mid-2015	183,939
Plus births	2,204
Less deaths	-1,609
Plus net migration and other changes	2,101
Population mid-2016	186,635

4. Analysis of Colchester and Essex estimates

4.1 Mid-2016 Population Estimates for Essex

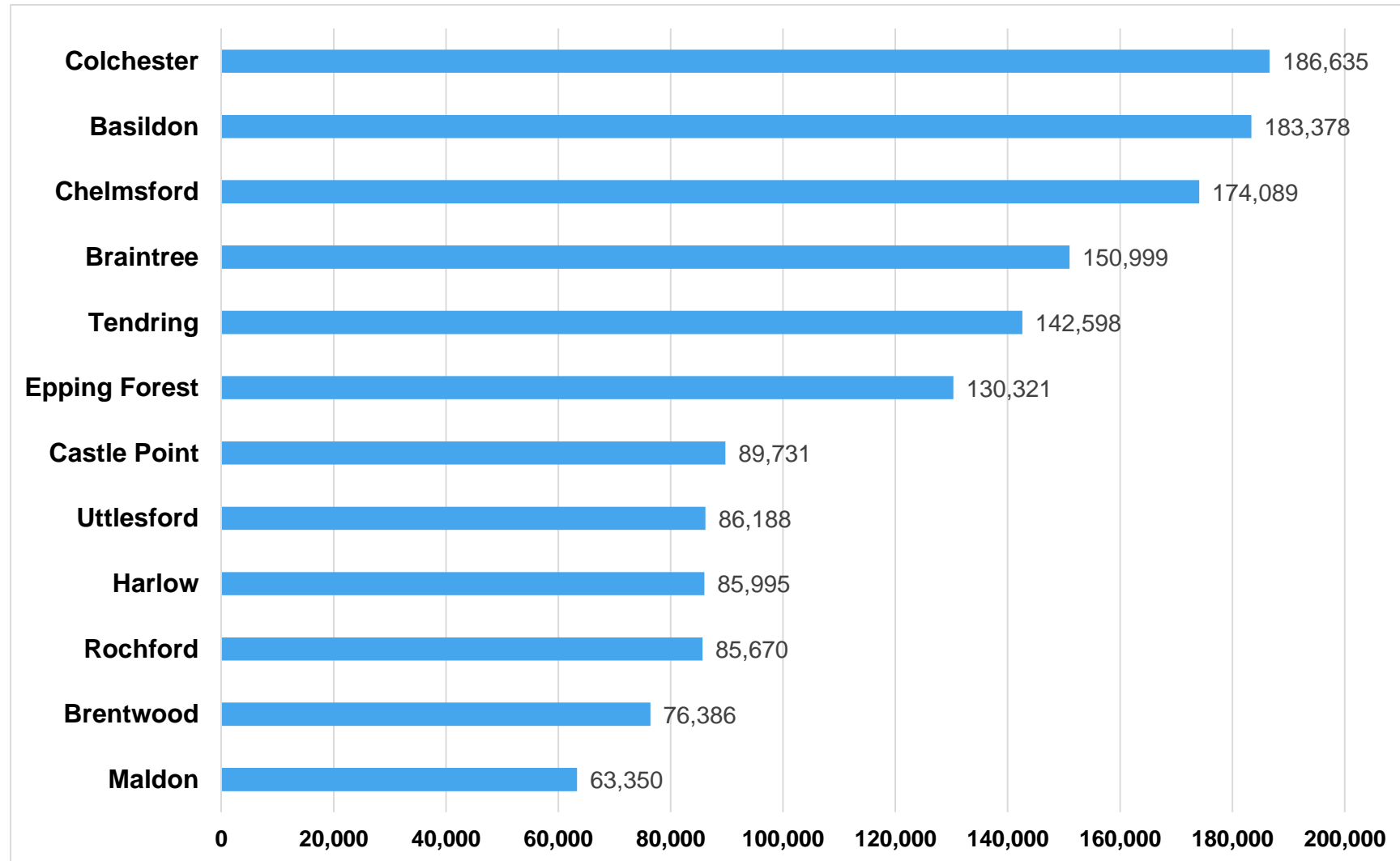
Table 1: Mid-2016 Population Estimates

	Mid-2016 population by age			
	All ages	0-15	16-64	65+ and over
East of England	6,130,542	1,173,980	3,772,154	1,184,408
Essex	1,455,340	271,892	887,507	295,941
Basildon	183,378	37,623	114,252	31,503
Braintree	150,999	29,046	92,441	29,512
Brentwood	76,386	14,114	46,705	15,567
Castle Point	89,731	14,920	52,552	22,259
Chelmsford	174,089	32,810	108,364	32,915
Colchester	186,635	35,003	119,506	32,126
Epping Forest	130,321	24,178	80,785	25,358
Harlow	85,995	18,652	54,160	13,183
Maldon	63,350	10,414	37,646	15,290
Rochford	85,670	14,628	51,515	19,527
Tendring	142,598	23,310	77,268	42,020
Uttlesford	86,188	17,194	52,313	16,681
Southend-on-Sea UA	179,799	34,661	110,651	34,487
Thurrock UA	167,025	37,813	105,987	23,225
England	55,268,067	10,529,100	34,856,126	9,882,841

- Colchester's population was estimated to stand at 186,635 people in mid-2016. It is the largest district in Essex County.
- Compared to mid-2015 this amounts to an increase of 1.5% (approximately 2,696 people). In 2015, Colchester was still the largest district in Essex County.
- There has been an increase of 19.6% (approximately 30,580 people) between mid-2002 and mid-2016. In 2002, Colchester was the third largest district in Essex County.
- As the largest district in Essex, Colchester accounts for 12.8% of the County population, a slight increase of 0.1% compared to the mid-2015 estimates.

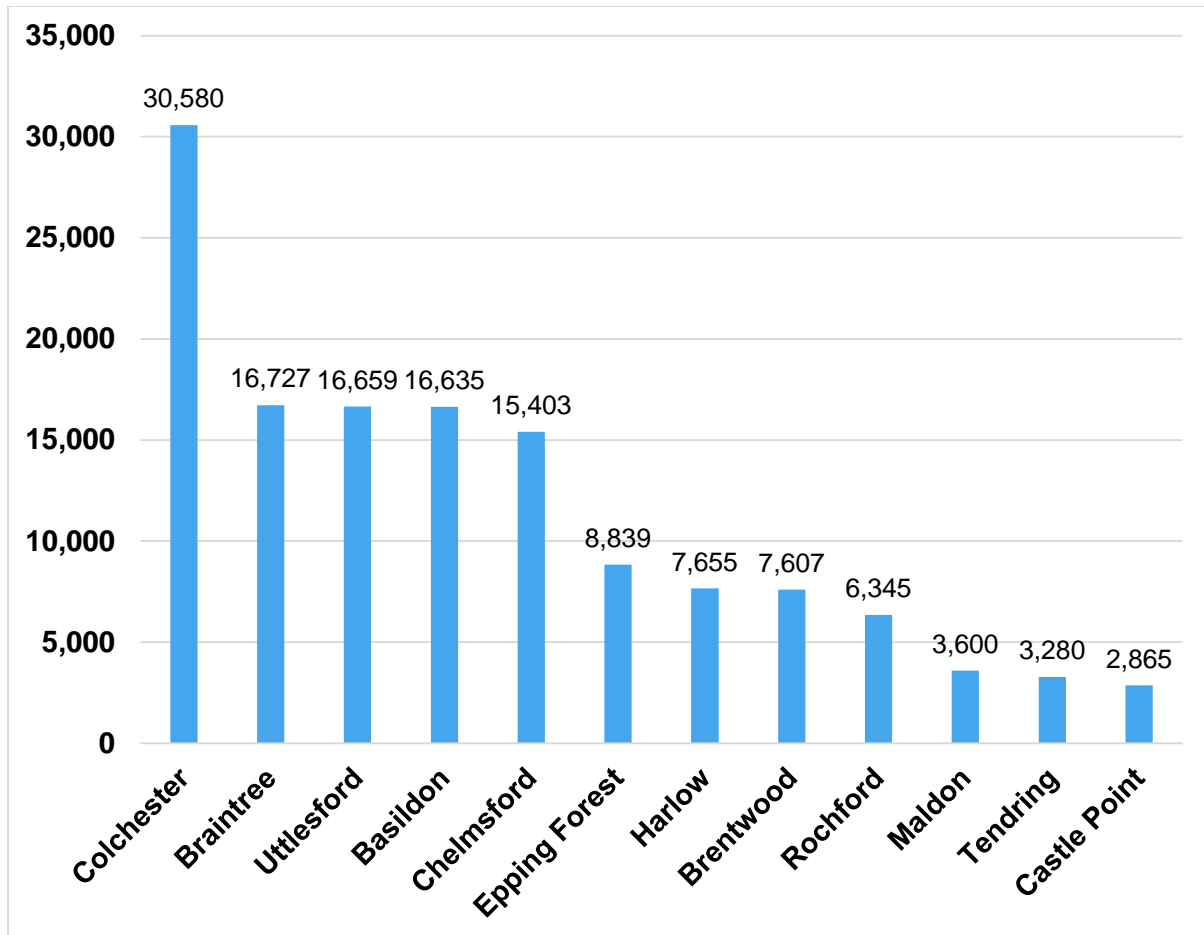
Figure 1 below illustrates the mid-2016 population distribution across Essex County ranked by district size.

Figure 1: Population distribution across Essex County in mid-2016



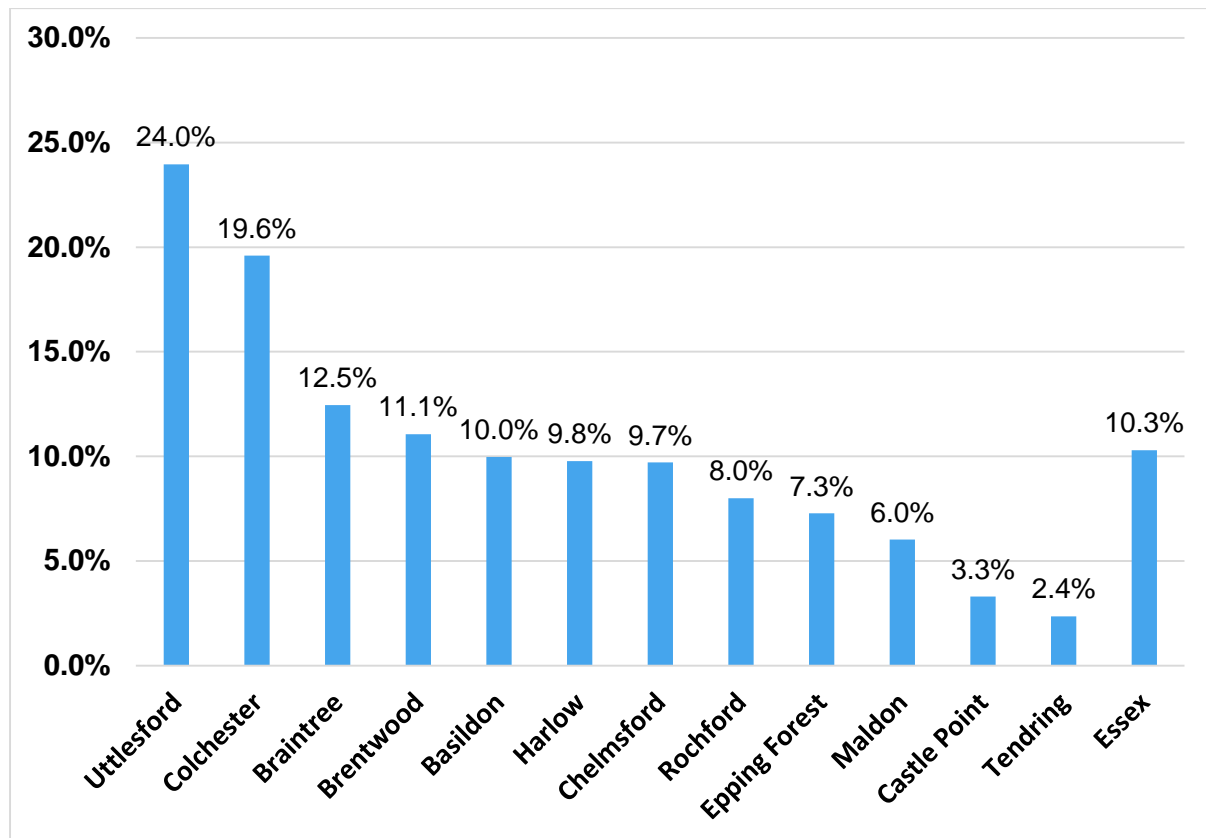
4.2 Population change over time (mid-2002 to mid-2016)

Figure 2: Change in Population 2002-2016 (numbers)



- Figure 2 illustrates the change in Essex County's population from mid-2002 to mid-2016.
- Data shows that Colchester has experienced the largest population change in Essex County between mid-2002 and mid-2016, growing by approximately 30,580 people.
- Colchester's growth rate is significantly higher than that of any other Essex district.
- The second largest population change between mid-2002 and mid-2016 has been experienced by Braintree which is estimated to have grown by 16,727 people.

Figure 3: Change in Population 2002-2016 (percentages)



- Figure 3 above illustrates the percentage change in Essex County's population from mid-2002 to mid-2016.
- Colchester's growth rate was significantly higher than the overall Essex County growth rate of 10.3% over the same period.
- Although Uttlesford has had a smaller population growth than Colchester between mid-2002 and mid-2016 (16,659 people in Uttlesford compared to 30,580 in Colchester), its percentage of growth is higher than that of Colchester.
- This can be explained by the fact that Uttlesford's population in 2002 was significantly smaller than that of Colchester (69,529 people in Uttlesford compared to 156,055 in Colchester).
- The lowest rate of growth in Essex between mid-2002 and mid-2016 occurred in Tendring, which experienced a growth in population of approximately 3,280 people (2.4%).

4.3 Age and Gender Analysis for Colchester

Table 2: Mid-2016 Population Age & Gender Structure for Colchester

Age	All People	Males	Females
Under 1	2,262	1,145	1,117
1-4	9,484	4,722	4,762
5-9	11,319	5,916	5,403
10-14	9,947	5,136	4,811
15-19	11,120	5,748	5,372
20-24	14,891	7,904	6,987
25-29	14,125	7,165	6,960
30-34	12,352	6,250	6,102
35-39	11,960	5,966	5,994
40-44	12,043	6,060	5,983
45-49	12,937	6,425	6,512
50-54	12,457	6,098	6,359
55-59	10,391	5,136	5,255
60-64	9,221	4,462	4,759
65-69	10,228	4,741	5,487
70-74	7,840	3,753	4,087
75-79	5,654	2,623	3,031
80-84	4,293	1,921	2,372
85-89	2,608	1,008	1,600
90+	1,503	450	1,053
Total	186,635	92,629	94,006

- Colchester's working age population was estimated to stand at 119,506 people in mid-2016, making up 64.0% of the total population. Of this 50.4% (60,205) are men and 49.6% (59,301) women.
- In mid-2016, the number of young people aged 0-19 years in Colchester was estimated at 44,132 people, making up 23.6% of the total population. This is a decrease from 2001, when young people accounted for 25% of the population in Colchester. Of this, 51.4% (22,667) are men and 48.6% (21,465) are women.
- Colchester's ageing population (65+ years) in mid-2016 was estimated at 32,126; this makes up for 17.2% of the total population. Of this, 45.1% (14,496) are men and 54.9% (17,630) are women.

Table 3: Population change over time - mid-2002 to mid-2016 (Thousands)

Area	Mid-2002*	Mid-2003*	Mid-2004*	Mid-2005*	Mid-2006*	Mid-2007*	Mid-2008*	Mid- 2009*	Mid-2010*	Mid-2011	Mid-2012	Mid-2013	Mid-2014	Mid-2015	Mid-2016
East of England	5,432,688	5,474,133	5,508,564	5,562,653	5,606,294	5,653,534	5,708,350	5,751,443	5,807,402	5,862,418	5,907,348	5,954,169	6,018,383	6,076,451	6,130,542
Essex	1,319,145	1,326,079	1,334,632	1,345,170	1,354,301	1,362,888	1,373,172	1,379,503	1,388,913	1,396,599	1,406,517	1,416,405	1,431,953	1,443,151	1,455,340
Basildon	166743	167,089	167,825	168,927	169,951	170,908	172,423	173,084	173,788	174,971	176,474	178,362	180,521	181,721	183,378
Braintree	134272	135,767	137,426	139,160	140,921	142,344	143,894	144,589	145,972	147,514	148,384	149,108	149,985	150,360	150,999
Brentwood	68779	69,234	69,895	70,542	71,040	71,346	71,941	72,663	73,301	73,841	74,020	74,460	75,645	76,057	76,386
Castle Point	86866	87,237	87,207	87,462	87,576	87,776	88,020	88,122	88,115	87,964	88,218	88,570	88,907	89,173	89,731
Chelmsford	158686	160,360	162,505	163,570	163,879	164,381	165,047	166,208	167,441	168,491	169,335	170,256	171,633	172,638	174,089
Colchester	156055	157,164	158,652	162,038	163,847	165,674	167,927	169,027	171,679	173,614	176,008	177,626	180,420	183,939	186,635
Epping Forest	121482	121,404	121,495	121,735	122,530	122,877	123,365	123,820	124,189	124,880	126,080	127,170	128,777	129,677	130,321
Harlow	78340	78,128	78,019	78,354	78,722	79,165	79,913	80,710	81,490	82,177	82,676	83,372	84,564	85,397	85,995
Maldon	59750	59,996	60,303	60,662	60,993	61,398	61,660	61,815	61,845	61,720	61,918	62,166	62,767	62,743	63,350
Rochford	79325	79,513	80,100	80,815	81,490	82,264	83,056	83,094	83,415	83,333	83,869	83,911	84,776	85,144	85,670
Tendring	139318	139,909	140,340	140,325	140,423	140,523	140,421	139,593	139,058	138,062	138,285	138,721	139,916	141,183	142,598
Uttlesford	69529	70,278	70,865	71,580	72,929	74,232	75,505	76,778	78,620	80,032	81,250	82,683	84,042	85,119	86,188
Southend-on-Sea UA	161,159	161,437	161,488	162,645	163,776	165,429	168,150	170,013	172,122	174,274	174,838	175,798	177,931	178,702	179,799
Thurrock UA	144,728	145,977	147,056	148,556	150,206	151,741	153,633	155,003	156,585	158,268	159,533	160,849	163,270	165,184	167,025
England	49,679,267	49,925,517	50,194,600	50,606,034	50,965,186	51,381,093	51,815,853	52,196,381	52,642,452	53,107,169	53,493,729	53,865,817	54,316,618	54,786,327	55,268,067

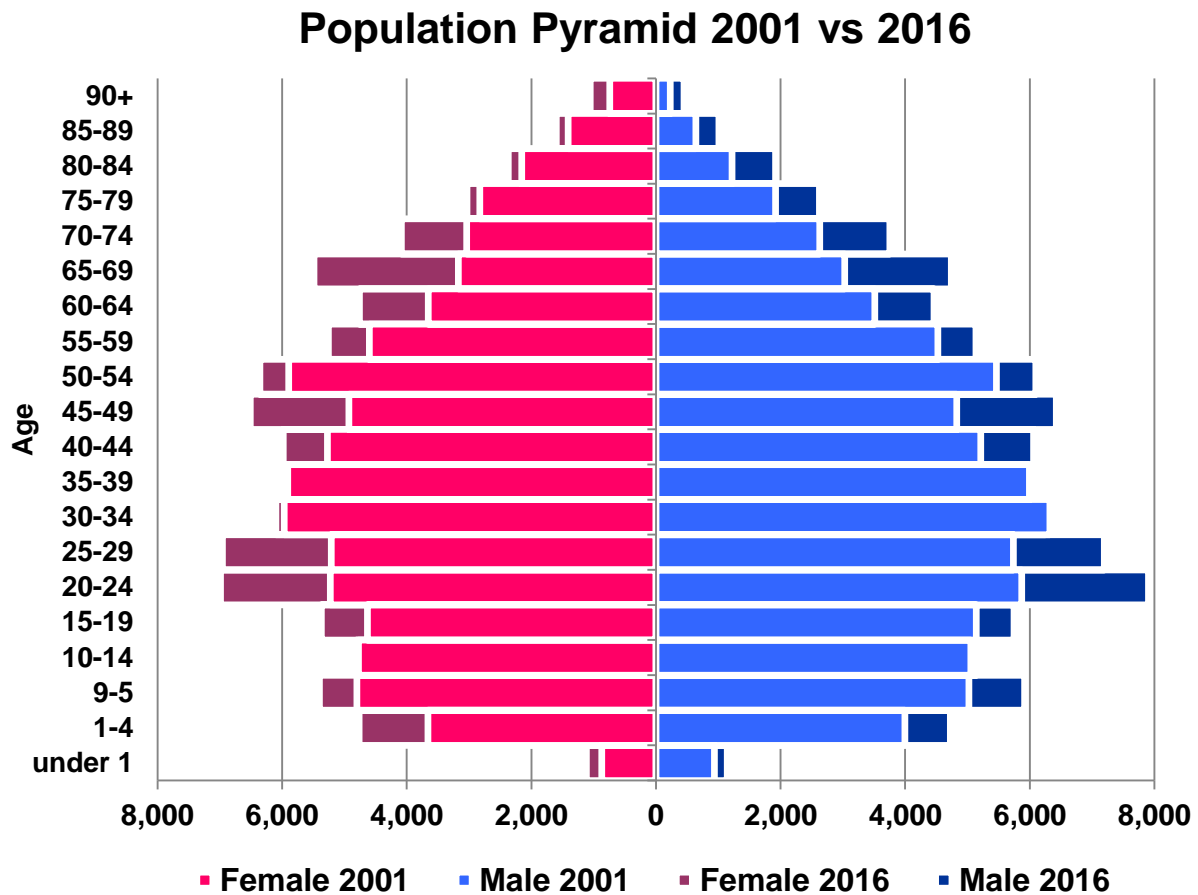
Notes: * Revised mid-year estimates.

Following the 2011 Census, the Office for National Statistics decided to re-base the population estimate series from mid-2002 to mid-2010.

This means that the previous population estimate series has been superseded by this current release. The figures above should now be used when making comparisons.

More information can be found here: <http://www.ons.gov.uk/ons/rel/pop-estimate/population-estimates-for-england-and-wales/mid-2002-to-mid-2010-revised--national-/stb---mid-2002-to-mid-2010-revised-population-estimates-for-england-and-wales.html>

Figure 4: Population Pyramid Comparisons



- Figure 4 illustrates the age and gender structure of Colchester for the Census 2001, and mid-2016 estimates in a population pyramid.
- The modal age band in Colchester in mid-2016 was 20-24 years with 14,891 people. This was followed by the 25-29 years age band with 14,125 people.
- In contrast, the age band with the fewest individuals was 90+ years with 1,503 people. This was followed by those below the age of 1, with 2,262 people.
- Overall, the proportions of males and females in Colchester are very similar with 50.4% being female and 49.6% being male.

5. Notes to tables

1. Data source: Population Estimates Unit, the Office for National Statistics.© Crown Copyright, 2017.
2. Some figures have been rounded so totals may not sum exactly.
3. Statistics for Southend-on-Sea and Thurrock are not included in 'Essex County' calculations as they are unitary authorities and are only part of Essex on a geographical basis.
4. Population estimates are calculated for the 'usual resident population'.
5. For more information at national and local level, log on to 'Neighbourhood statistics' on the ONS website - www.statistics.gov.uk
6. The data are Crown Copyright and may only be reproduced in public or published documents with the permission of HMSO and acknowledgment of the source (as above). Colchester Borough Council holds a Click-use Licence permitting reproduction (these can be obtained for free from www.clickanduse.hmso.gov.uk).

Appendix 1: Methodology

What are mid-year estimates?

Mid-year estimates are based on the results of the 2011 Census and take account of population change due to births, deaths and net migration. The mid-year population estimates for each of the UK constituent countries refer to the usually resident population of an area on the 30th of June each year. The usually resident population is defined by the standard United Nations definition for population estimates, as people who reside in the area for a period of at least 12 months regardless of nationality.

How are they calculated?

Estimates of the population during the inter-censal period (the time between 10 year censuses) are made using a cohort component method. Simply, this updates the previous mid-year estimate, allowing for natural change due to births and deaths in the past year and adding on net migration.

The components used in calculating the England and Wales population estimates include: births, deaths, prisoners, school boarders, armed forces (home and foreign), internal migration and international migration. Mid-year estimates only measure the usual resident population and therefore only long term international migrants are included in the estimates. ONS uses the United Nations recommended definition of a long-term migrant to identify who should be included – anyone who moves from their country of usual residence for at least a year or more.

As previously mentioned, mid-year population estimates are made for the population resident on 30 June of the reference year. The starting point for the estimate is the resident population on 30 June in the previous year. This population by single year of age is then aged on by one year (for example, all 3 year olds become 4 year olds one year later). Those who have been born during the 12 month period are then added on to the population and all those who have died during the 12 month period are removed according to their age, sex and their usual place of residence.

What are the data sources used to compile population estimates?

The base from which inter-censal population estimates are calculated is the most recent Census (2011).

Births and deaths data used in the compilation of mid-year population estimates are obtained from the General Register Office through compulsory registrations of all births and deaths occurring in England and Wales.

Internal migration takes account of people moving within the UK and is estimated using:

- The NHS Central Register (NHSCR) which records movements of patients between Health Areas; and
- Higher Education Statistics Agency

International migration is estimated from sources including the:

- International Passenger Survey (IPS)
- Labour Force Survey data on the location of recent migrants
- Migrant Worker Scan
- National Health Service Central Register
- Further Education Learner Data
- Student Record (Higher Education Statistics Agency)
- Certificate of Acceptance to Study and Leave to Remain for Study
- ONS
- Asylum Seeker data is taken from the Home Office and National Asylum Support Service

Are the population estimation methods robust?

- ONS population estimates are the best currently possible.
- Natural change components of estimates are of high quality.
- Migration is widely recognised to be more difficult to estimate accurately and ONS has a substantial programme of work aimed at improving estimates of migration and population.

- The ONS international migration estimates are based on the best available sources of long-term international migration.
- ONS is open and transparent about the methods it uses to produce outputs, following international standards.
- ONS implements methodological changes following reviews and suggestions from independent experts.
- ONS published highly detailed methodology guides, setting out the complete methodologies and the geographies which they cover and these are open to the public without any limitations.

ONS Population Estimates Website:

<http://www.ons.gov.uk/ons/guide-method/method-quality/specific/population-and-migration/an-overview-of-ons-s-population-statistics/index.html>