

# UK and Lancashire sub-region populations aged 16+ for the year July 2015 to June 2016 and changes since the year ending December 2004

## Summary

For the year ending June 2016, the population aged 16 and over in the Lancashire-12 area of 949,900 people accounted for 80.5% of the 16+ population in the Lancashire 14 area of 1,180,100 persons. The 16+ population within the Lancashire West sub-region was estimated at 760,800 persons and accounted for 64.5% of the Lancashire-14 total, or just under two-thirds. The East Lancashire 16+ population estimate of 419,400 people, accounted for 35.5%, or just over a third of the Lancashire-14 population aged 16+ for the year ending June 2016.

The populations aged 16+ had grown by under half of the UK rate of +10.1% within the Lancashire-12 area (+4.5%) and the Lancashire-14 area (+4.7%) between the year ending December 2004 and the year ending June 2016. The Lancashire-14 figure conceals different percentage increases within the Lancashire West part of the sub-region (+4.0%) and East Lancashire (+5.9%).

The 16+ population trends for East Lancashire and the Lancashire West sub-region have seesawed up and down in opposite directions over four distinct periods, between December 2004 and June 2008, from June 2008 to June 2012, between June 2012 and June 2014 and finally, from June 2014 to June 2016.

Falls to the 16+ population in one sub-region (East or West) have been cancelled out by a greater increase in the other sub-region in every dataset in the series (since the year ending December 2004). The 16+ population within the Lancashire-14 area has therefore increased with each release of data since the year ending December 2004. The 16+ population within the Lancashire-12 area has however fallen on ten occasions since the year ending December 2004.

The population aged 16+ in the Lancashire West part of the sub-region has risen by 1,200 people (0.2%) between the year ending June 2015 and the year ending June 2016, and has risen by 2,300 people (0.6%) within East Lancashire over this period. For the Lancashire-14 area as a whole therefore, it is estimate that the 16+ population has increased by 3,400 persons, or 0.3%, since the year ending June 2015. Within the Lancashire-12-area, the 16+ population has risen by a marginally greater 0.4%, or 4,200 persons. By comparison, the UK population aged 16+ has risen by 0.7% (or 387,100 people) between the year ending June 2015 and the year ending June 2016.

## Background

The figures in this report have been sourced from the Annual Population Survey (APS) published by the Office of National Statistics (ONS). The data is published quarterly, but each dataset covers a twelve month period, for example, from April 2014 to March 2015; July 2014 to June 2015; October 2014 to September 2015, or January 2015 to December 2015.

Changes to the populations aged 16+ impact upon the headline 16+ unemployment rates, the 16+ employment rates and the 16+ economically active and inactive rates. The 16+ employment rates and the 16+ economically *inactive* rates are alternatives to the headline figures published by the

Office of National Statistics, which use the 16-64 populations as denominators for these indicators. These alternative rates are becoming more relevant as a greater number of people continue to work after the age of 65. The 16+ populations have been produced as a quick overview of this age range and for comparability with the headline unemployment rate denominator (the 16+ population who are economically active – i.e. those persons aged 16+ who are employed and those persons aged 16+ who are unemployed). A [video podcast](#) produced by the Office of National Statistics provides further explanation about these labour market statistics and rates.

The differing speeds of population growth across the various age groups and geographies, as well as decreases and fluctuations to population numbers over time, if they occur, impact upon the labour market indicator rates associated with employment, the economically active figures, the economically *inactive* and unemployment. Changes to the population or indicator denominators which are of sufficient magnitude will inflate or deflate the rates of the various labour market indicators, such as employment, over and above the changes to the actual indicator numeric totals (the numerators). For example, rates for employment can decrease even when employment numbers increase, if the population denominator increases at a sufficiently greater pace. Equally, rates can change even when there is no change to employment numbers, if the population denominator rises or falls by a sufficient amount.

## Revisions

The ONS published revised Annual Population Survey estimates (including estimates of employment, unemployment and economic inactivity) on Wed 20 March 2016. These are a result of taking on board population estimates based on the 2011 Census. Estimates are revised back to the survey period April 2012 to March 2013. The revisions affects the main Annual Population Survey dataset.

## 16+ population changes since the year ending December 2004.

The population aged 16 and over in the Lancashire-12 area of 949,900 people accounted for 80.5% of the Lancashire 14 area 16+ population of 1,180,100 persons as at the year ending June 2016. Table P1 refers.

For the year ending June 2016, the estimated 16+ population within the Lancashire West part of the sub-region, at 760,800 persons, accounted for 64.5% of the population aged 16 and over in the Lancashire-14 area, or just under two-thirds. The East Lancashire 16+ population, of 419,400 people, accounted for 35.5%, or just over a third of the Lancashire-14 population aged 16+. Table P1 refers.

The populations aged 16+ had grown by just under half of the UK rate (of +10.1%) within the Lancashire-12 area (+4.5%) and the Lancashire-14 area (+4.7%) between the year ending December 2004 and the year ending June 2016. The Lancashire-14 figure conceals different percentage increases within the Lancashire West part of the sub-region (+4.0%) and East Lancashire (+5.9%). Table P1 refers.

**Table P1: 16+ population estimates from the Annual Population Survey <sup>(1)</sup> for the year July 2015 to June 2016 and changes since the year to December 2004**

Table P1	Population aged 16+ estimates			Change since year to December 2004	
	total number of persons aged 16+ for Jan 2004 to Dec 2004 <sup>(2) (3)</sup>	total number of persons aged 16+ for Jan 2014 to Dec 2014 <sup>(2) (3)</sup>	total number of persons aged 16+ for July 2015 to June 2016 <sup>(2) (3)</sup>	change in number of persons	% change in number of persons
Lancashire-12-area <sup>(4)</sup>	908,900	944,100	949,900	41,000	4.5%
East Lancashire <sup>(5)</sup>	396,000	420,100	419,400	23,400	5.9%
Lancashire West <sup>(6)</sup>	731,400	754,800	760,800	29,400	4.0%
Lancashire-14 area <sup>(7)</sup>	1,127,400	1,174,900	1,180,100	52,700	4.7%
North West	5,403,400	5,710,400	5,745,300	341,900	6.3%
England	39,741,800	43,364,900	43,905,100	4,163,300	10.5%
Great Britain	46,176,800	50,233,300	50,813,200	4,636,400	10.0%
United Kingdom	47,488,300	51,669,600	52,263,200	4,774,900	10.1%

Notes: [1] Yearly estimates (produced quarterly). [2] Numbers for some related geographies may not sum exactly when added or subtracted, owing to rounding. [3] Population numbers are rounded to the nearest 100.

[4] The Lancashire County Council 12-authority area figure is an amalgamation of the twelve Lancashire districts (this does not include Blackpool unitary authority and Blackburn with Darwen unitary authority).[5] East Lancashire includes Burnley, Hyndburn, Pendle, Ribble Valley and Rossendale districts and Blackburn with Darwen unitary authority. [6] Lancashire West includes Chorley, Fylde, Lancaster, Preston, South Ribble, West Lancashire and Wyre and Blackpool unitary authority. [7] The Lancashire 14-authority sub-region figure includes the 12 local authorities within the Lancashire County Council area and the two unitary authorities of Blackburn with Darwen and Blackpool.

Source: Annual Population Survey - Office for National Statistics – via the [National On-line Manpower Information System \(Nomis\)](#).

The greatest 16+ population estimates were at the end of the series, for the year ending June 2016, within the United Kingdom, the North West region, the Lancashire-14 area and the Lancashire-12 area. Table P2 refers.

The UK population aged 16+ has risen consistently in each of the quarterly datasets since December 2004. This has not been the case for the Lancashire West sub-region or East Lancashire. The 16+ population within East Lancashire peaked earlier, at 424,200 people, for the year ending June 2014. This time period coincided with the recent dip in the number of people aged 16+ in the Lancashire West part of the sub-region, at 749,300 persons, also for the year ending June 2014. Table P2 and P3 refer.

**Table P2: Fluctuations in the 16+ population estimates <sup>(1)</sup> for the Lancashire West and East Lancashire sub-regions and peak and low points since the year ending Dec 2004**

Table P2	Population aged 16+ estimates				
Area	Year ending Dec 2004 - total number of persons aged 16+ <sup>(2) (3)</sup>	year ending June 2008 - total number of persons aged 16+ <sup>(2) (3)</sup>	year ending June 2012 - total number of persons aged 16+ <sup>(2) (3)</sup>	year ending June 2014 - total number of persons aged 16+ <sup>(2) (3)</sup>	year ending June 2016 - total number of persons aged 16+ <sup>(2) (3)</sup>
Lancashire-12 area <sup>(4)</sup>	908,900 low point	930,500	940,900	942,700	949,900 peak
East Lancashire <sup>(5)</sup>	396,000 low point	420,200 initial peak	409,300 2 <sup>nd</sup> low point Mar 2012	424,200 peak	419,400
Lancashire West <sup>(6)</sup>	731,400 low point & Sept 05 & June 08	731,400 low point	758,500 Initial peak	749,300 recent low point	760,800
Lancashire-14 area <sup>(7)</sup>	1,127,400 low point	1,151,600	1,167,900	1,173,500	1,180,100 peak
North West	5,403,400 low point	5,538,900	5,664,600	5,700,000	5,745,300 peak
United Kingdom	47,488,300 low point	49,118,800	50,806,000	51,476,100	52,263,200 peak

Notes: [1] Yearly estimates (produced quarterly). [2] Numbers for some related geographies may not sum exactly when added or subtracted, owing to rounding. [3] Population numbers are rounded to the nearest 100. [4] The Lancashire County Council 12-authority area figure is an amalgamation of the twelve Lancashire districts (this does not include Blackpool unitary authority and Blackburn with Darwen unitary authority.) [5] East Lancashire includes Burnley, Hyndburn, Pendle, Ribble Valley and Rossendale districts and Blackburn with Darwen unitary authority. [6] Lancashire West includes Chorley, Fylde, Lancaster, Preston, South Ribble, West Lancashire and Wyre and Blackpool unitary authority. [7] The Lancashire 14-authority sub-region figure includes the 12 local authorities within the Lancashire County Council area and the two unitary authorities of Blackburn with Darwen and Blackpool. [8] Calculating any change within 12 months is not methodologically sound as the results are drawn from the same sample cohort. Figures provided for information only.

Source: Annual Population Survey - Office for National Statistics – via the [National On-line Manpower Information System \(Nomis\)](#).

### **Seesawing of the 16+ Populations in East Lancashire and the Lancashire West part of the sub-region**

The 16+ population trends for East Lancashire and the Lancashire West sub-region have seesawed up and down in opposite directions over four distinct periods, between December 2004 and June 2008, from June 2008 to June 2012, between June 2012 and June 2014 and finally, from June 2014 to June 2016. Table P2 refers.

Within East Lancashire, the 16+ population rose by +24,200, to hit an initial peak of 420,200 people for the year ending June 2008, whereas the 16+ population within the Lancashire West part of the sub-region hit a low point of 731,400 persons on three occasions at the beginning of the series, for the years ending December 2004, September 2005 and June 2008 (although the 16+ population had risen initially to 738,000 persons by June 2006 in the sub-region). Table P2 refers.

Subsequently, from the year ending June 2008, the 16+ population within the Lancashire West part of the sub-region increased by +27,100 persons to the series initial peak of 758,500 persons by

mid-2012, whereas the 16+ population within East Lancashire fell by -10,900 people down to 409,300 persons by early 2012.

Reversing direction again, from the year ending March 2012, the 16+ population within East Lancashire then increased by +14,900 people to the series peak of 424,200 people for the year ending June 2014, whereas the 16+ population within the Lancashire West sub-region fell by -9,200 persons from the year ending June 2012 to 749,300 people by the year ending June 2014.

The change to the 16+ populations since the year ending June 2014 are described below.

Falls to the 16+ population in one sub-region (East or West) have been cancelled out by a greater increase in the other sub-region in every dataset in the series (since the year ending December 2004). The 16+ population within the Lancashire-14 area has therefore increased with each release of data since the year ending December 2004.

The 16+ population within the Lancashire-12 area has however fallen on ten occasions since the year ending December 2004.

### **Estimates of 16+ population changes since the year ending June 2014.**

The 16+ population in the Lancashire West sub-region rose with every dataset between the year ending June 2014 and the year ending December 2015 when it peaked at 763,100 – an increase of +13,800 people (+1.8%) over this period. Since then the figures have fallen and then risen again and stand at 760,800 persons for the year ending June 2016, a rise of +11,500 people (+1.5%) between June 2014 and June 2016. This is in line with the increase in the UK estimates between the year ending June 2014 and the year ending June 2016 (+1.5%).

For East Lancashire, the estimated population aged 16 and over rose to 421,400 persons for the year ending March 2016 but has since lost some ground, falling to 419,400 people for the year ending June 2016. The East Lancashire 16+ population remains below the previous peak of 424,200 persons for the year ending June 2014, by -4,800 persons (-1.1%). This fall is contrary to the increase estimated in the UK (+1.5%) between the year ending June 2014 and the year ending June 2016. Tables P2 and P3 refer.

For the Lancashire-14 area as a whole, it is estimate that the 16+ population has therefore increased by +6,600 persons, or +0.6%, since the year ending June 2014. Within the Lancashire-12-area, the 16+ population has risen by an estimated +0.8%, or +7,200 persons since the year ending June 2014. These are below the rates estimated for the UK (+1.5%) between the year ending June 2014 and the year ending June 2016. Tables P2 and P3 refer.

**Table P3: 16+ population estimates from the Annual Population Survey <sup>(1)</sup> - for the year July 2015 to June 2016 and changes since the year to June 2014**

Table P3  Area	Population aged 16+ estimates			Change since year to June 2014	
	total number of persons aged 16+ for Jan 2004 to Dec 2004 <sup>(2) (3)</sup>	total number of persons aged 16+ for July 2013 to June 2014 <sup>(2) (3)</sup>	total number of persons aged 16+ for July 2015 to June 2016 <sup>(2) (3)</sup>	change in number of persons	% change in number of persons
Lancashire-12 area <sup>(4)</sup>	908,900	<b>942,700</b>	<b>949,900</b>	7,200	0.8%
East Lancashire <sup>(5)</sup>	396,000	<b>424,200</b>	<b>419,400</b>	-4,800	-1.1%
Lancashire West <sup>(6)</sup>	731,400	<b>749,300</b>	<b>760,800</b>	11,500	1.5%
Lancashire-14 area <sup>(7)</sup>	1,127,400	<b>1,173,500</b>	<b>1,180,100</b>	6,600	0.6%
North West	5,403,400	<b>5,700,000</b>	<b>5,745,300</b>	45,300	0.8%
England	39,741,800	<b>43,190,300</b>	<b>43,905,100</b>	714,800	1.7%
Great Britain	46,176,800	<b>50,044,500</b>	<b>50,813,200</b>	768,700	1.5%
United Kingdom	47,488,300	<b>51,476,100</b>	<b>52,263,200</b>	787,100	1.5%

Notes: [1] Yearly estimates (produced quarterly). [2] Numbers for some related geographies may not sum exactly when added or subtracted, owing to rounding. [3] Population numbers are rounded to the nearest 100.

[4] The Lancashire County Council 12-authority area figure is an amalgamation of the twelve Lancashire districts (this does not include Blackpool unitary authority and Blackburn with Darwen unitary authority). [5] East Lancashire includes Burnley, Hyndburn, Pendle, Ribble Valley and Rossendale districts and Blackburn with Darwen unitary authority. [6] Lancashire West includes Chorley, Fylde, Lancaster, Preston, South Ribble, West Lancashire and Wyre and Blackpool unitary authority. [7] The Lancashire 14-authority sub-region figure includes the 12 local authorities within the Lancashire County Council area and the two unitary authorities of Blackburn with Darwen and Blackpool.

Source: Annual Population Survey - Office for National Statistics – via the [National On-line Manpower Information System \(Nomis\)](#).

### **Estimates of 16+ population changes since the year ending June 2015 (yearly change).**

Over the previous year, the populations of persons aged 16+ grew at slower speeds in both the Lancashire-12 area (+0.4%) and the Lancashire-14 (+0.3%) than the UK rate of +0.7%. The 16+ population increased within East Lancashire (+0.6%) and increased in the Lancashire West part of the sub-region (+0.2%) over the year. Table P4 refers.

The estimated population of persons aged 16+ within the Lancashire West sub-region has increased by +1,200 people (+0.2%) over the last year, to a total of 760,800 persons for the year ending June 2016. The estimated 16+ population within East Lancashire has grown much faster, by +2,300 persons (+0.6%) over the previous year, to 419,400 people. The estimated 16+ population has therefore increased by +3,400 persons (+0.3%) in the broader Lancashire-14 area to 1,180,100 persons since the year ending June 2015. Please note that totals may not sum owing to rounding. Table P4 refers.

For the Lancashire-12 area, the estimated 16+ population has increased by +4,200 persons (+0.4%) over the last year to 949,900 people for the year ending June 2016. At the UK level, the estimated 16+ population has increased by +387,100 persons (+0.7%) over the year to a peak of 52,263,200 people for the year ending June 2016. Table P4 refers.

**Table P4: 16+ population estimates from the Annual Population Survey <sup>(1)</sup> - for the year July 2015 to June 2016 and changes since the year to June 2016 (yearly change)**

Table P4	Population aged 16+ estimates			Change since year to June 2015	
	Area	total number of persons aged 16+ for Jan 2004 to Dec 2004 <sup>(2) (3)</sup>	total number of persons aged 16+ for July 2014 to June 2015 <sup>(2) (3)</sup>	total number of persons aged 16+ for July 2015 to June 2016 <sup>(2) (3)</sup>	change in number of persons
Lancashire-12 area <sup>(4)</sup>	908,900	945,700	949,900	4,200	0.4%
East Lancashire <sup>(5)</sup>	396,000	417,100	419,400	2,300	0.6%
Lancashire West <sup>(6)</sup>	731,400	759,600	760,800	1,200	0.2%
Lancashire-14 area <sup>(7)</sup>	1,127,400	1,176,700	1,180,100	3,400	0.3%
North West	5,403,400	5,723,500	5,745,300	21,800	0.4%
England	39,741,800	43,552,500	43,905,100	352,600	0.8%
Great Britain	46,176,800	50,435,200	50,813,200	378,000	0.7%
United Kingdom	47,488,300	51,876,100	52,263,200	387,100	0.7%

Notes: [1] Yearly estimates (produced quarterly). [2] Numbers for some related geographies may not sum exactly when added or subtracted, owing to rounding. [3] Population numbers are rounded to the nearest 100.

[4] The Lancashire County Council 12-authority area figure is an amalgamation of the twelve Lancashire districts (this does not include Blackpool unitary authority and Blackburn with Darwen unitary authority). [5] East Lancashire includes Burnley, Hyndburn, Pendle, Ribble Valley and Rossendale districts and Blackburn with Darwen unitary authority. [6] Lancashire West includes Chorley, Fylde, Lancaster, Preston, South Ribble, West Lancashire and Wyre and Blackpool unitary authority. [7] The Lancashire 14-authority sub-region figure includes the 12 local authorities within the Lancashire County Council area and the two unitary authorities of Blackburn with Darwen and Blackpool.

Source: Annual Population Survey - Office for National Statistics – via the [National On-line Manpower Information System \(Nomis\)](#).

The estimated rise in the 16+ population within the Lancashire West part of the sub-region over the year (+1,200 persons, +0.2%) arose because of estimated increases within Lancaster (+2,900 people, +2.6%), Preston (+2,300 people, +2.1%), Fylde district (+1,300 persons, +2.2%), Wyre (+900 people, +1.0%) and Chorley (+600 people, +0.7%), which were offset by estimated reductions in South Ribble (-5,700 persons, -6.4%), West Lancashire (-900 persons, -1.0%) and Blackpool (-200 persons, -0.2%).

The increase in the 16+ population within East Lancashire (+2,300 persons) arose largely because of increases to the estimates within Ribble Valley (+4,200 persons, +9.1%) and Rossendale (+1,200 people, +2.3%) over the previous year, which were offset by decreases within Pendle (-2,200 persons, -3.1%), Blackburn with Darwen (-500, -0.4%), Burnley (-300 people, -0.4%) and Hyndburn (-100 people, -0.2%).

Page updated November 2016 by Darren Webster and [Paul Ayre](#) with data for July 2015 to June 2016.