Nottingham City: Life Expectancy and Healthy Life Expectancy

Produced by: Public Health Intelligence Team (EF)

Date: 24th June 2022

Please note: Findings in this report are based on the 3 year average for life expectancy and healthy life expectancy

Key facts: Life Expectancy

- 2018-20 Life expectancy in Nottingham is significantly lower than the England average, with approximately 3 years less for men and 2 years less for women (Nottingham: 76.6 men; 81.0 women. England: 79.4 men; 83.1 women).
- Nottingham's life expectancy for men is currently ranked 138th out of 150 local authorities in England and 134th for women.
- 17 of the city's 20 wards have significantly lower life expectancy for men and 12 for women compared to the England average.
- Nottingham's life expectancy between the most and least affluent areas differs by approximately 8 years for both men and women.
- The largest contributors to the difference between Nottingham's and England's life expectancy are circulatory diseases, COVID-19 and cancer disease.

Key facts: Healthy Life Expectancy

- Healthy life expectancy for both men and women in Nottingham is also significantly lower than the England average with men living 5.7 years less in good health and women 6.8 years less.

- The recent trend in healthy life expectancy for both men and women increased by 0.5 years and 3.6 years respectively, from 56.4 years (men) and 55.6 years (women) in 2015-17 to 57.4 years (men) and 57.1years(women) in 2018-20.

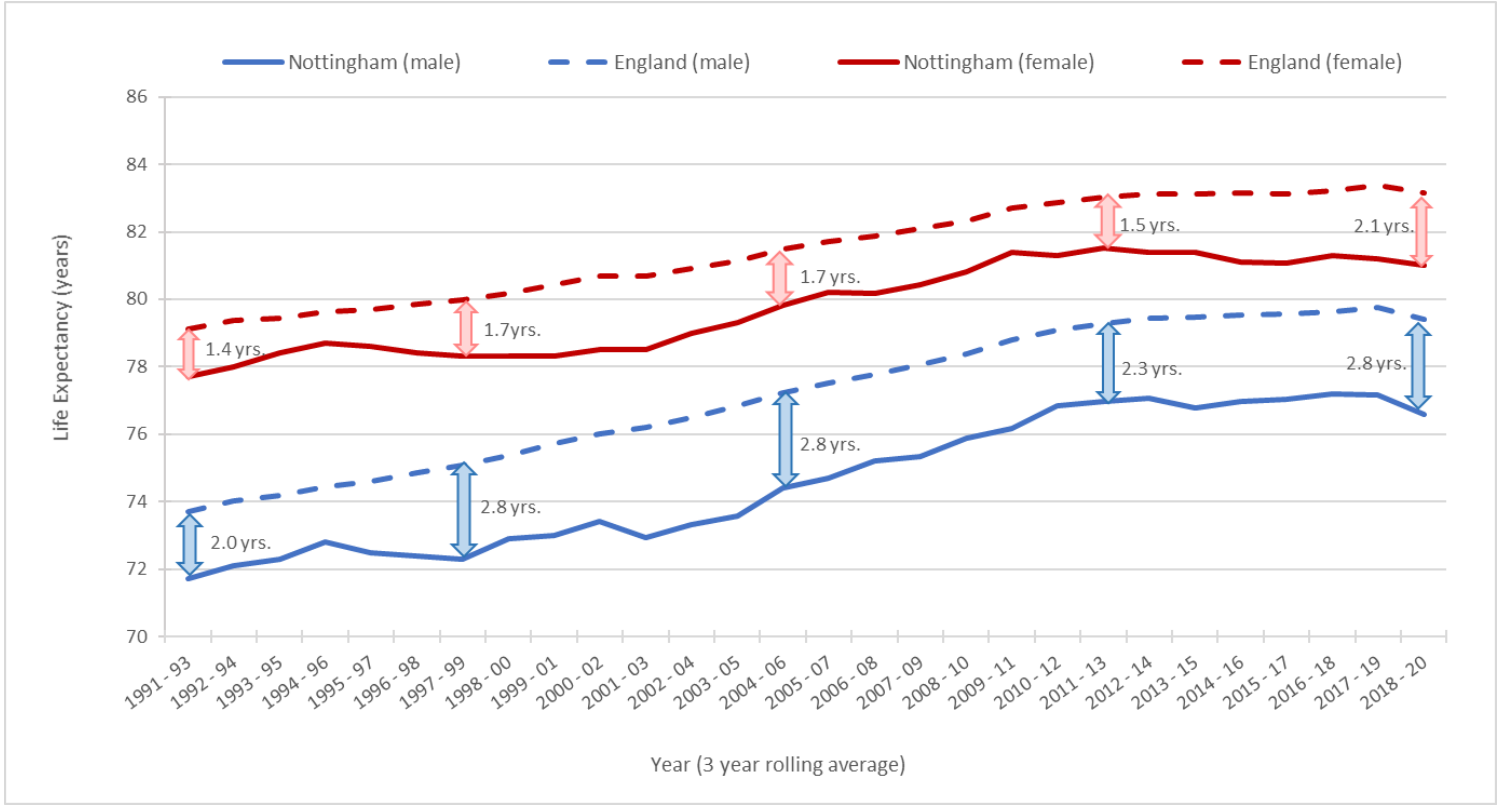
- Nottingham's healthy life expectancy for men is ranked 139th of 150 local authorities and 143rd for women.

- Females born in Nottingham would expect to spend a greater proportion (30%) of life in poorer health compared to 25% for males.

- Nottingham has the 4th lowest and 3rd lowest healthy life expectancy for men and women respectively when compared to CIPFA neighbours.

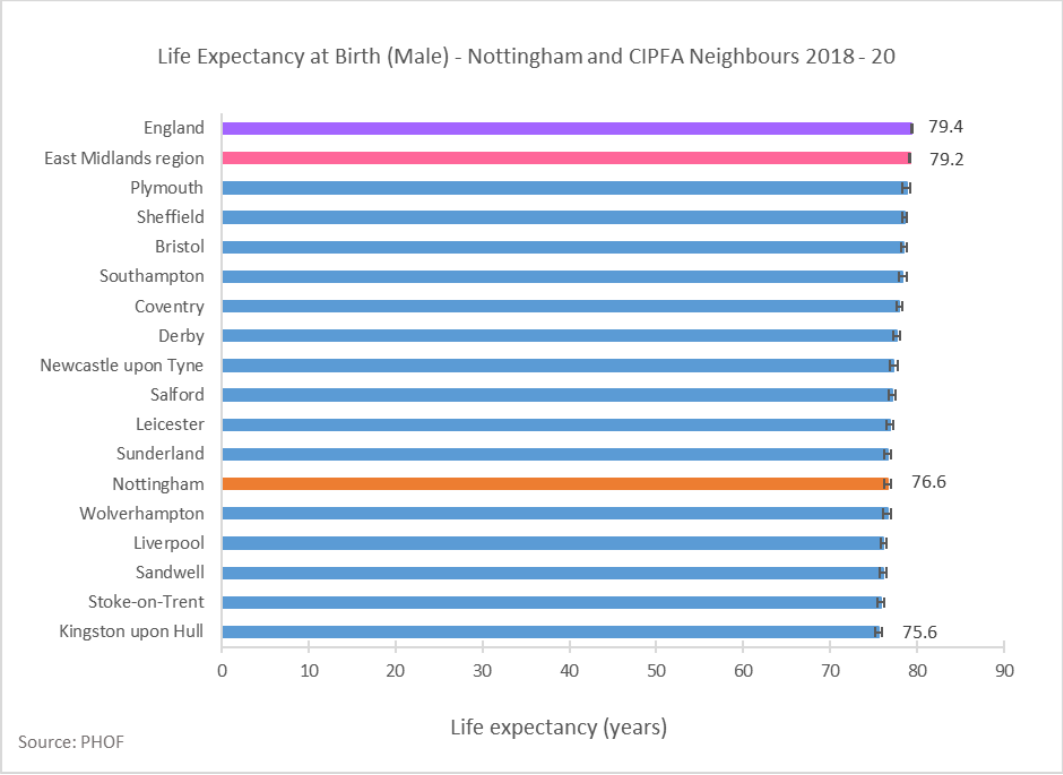
Life Expectancy: Nottingham compared to the England average

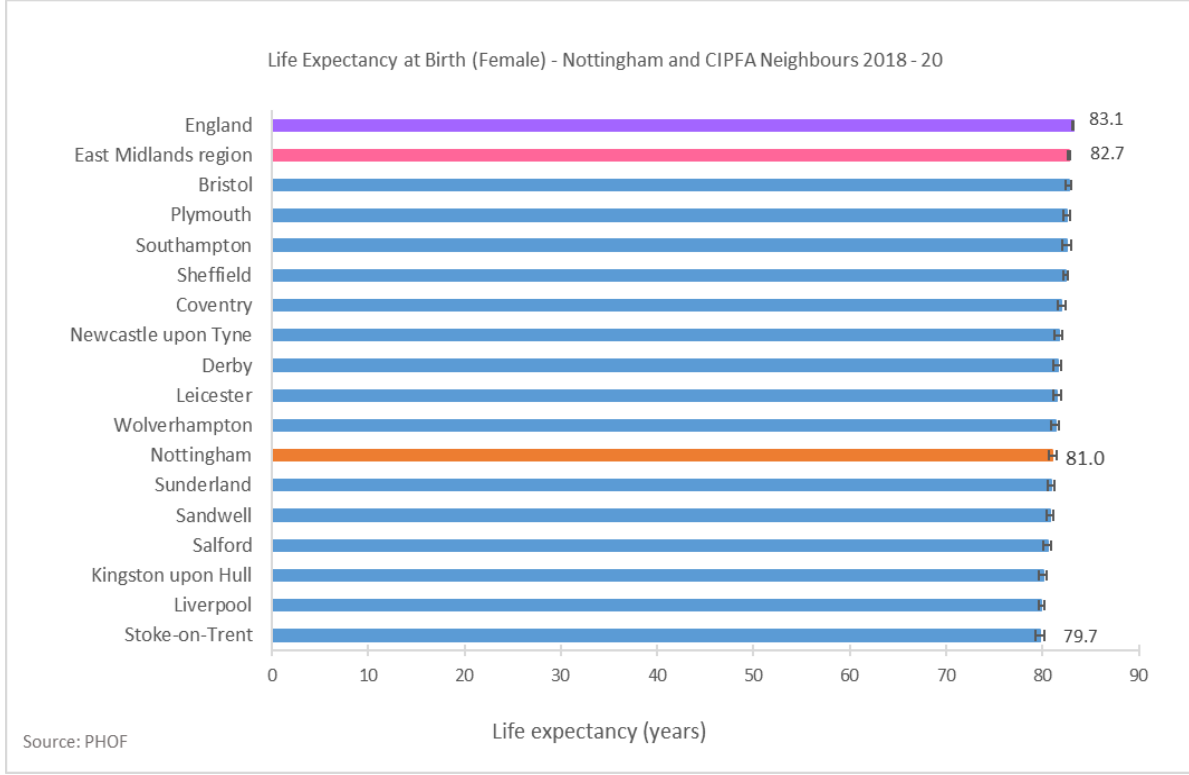
- Compared with the England average, Nottingham's life expectancy for both males (76.6 years) and females (81.0 years) is significantly lower than the England average (79.4 male; 83.1 female)
- Men in Nottingham will live on average approximately three years less and women two years less than the England average.
- Although the gap between England and Nottingham for both men and women fluctuates from year to year, the over trend shows an increase in the gap.
- Nottingham's life expectancy for men is currently ranked 138th out of 150 local authorities in England and 134th for women.



Life Expectancy: Nottingham compared to the regional average and CIPFA Neighbours

- Nottingham's life expectancy at birth for both men and women is significantly lower than the regional average, with men living on average over two and half year less and women approximately two years less.
- The gap between the East Midlands and Nottingham has decreased over the years for both men and women from 3.3 years in 2001-03 to 2.6 years in 2018-16 for men and from 2.0 years to 1.7 years for women.
- Compared with the CIPFA neighbours, Nottingham has the 6th lowest life expectancy for men and 7th for women

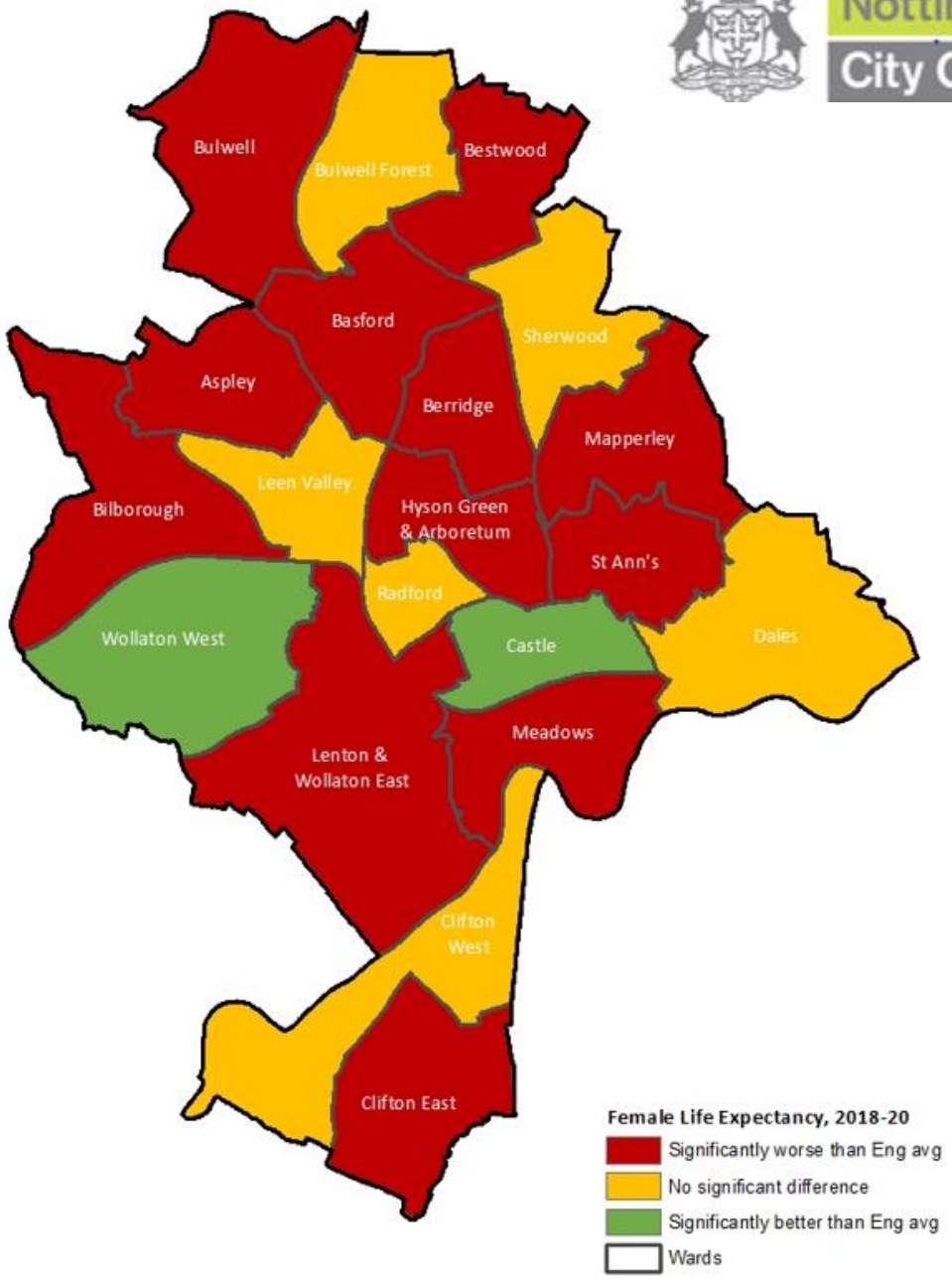




Life Expectancy: Within Nottingham (Female)

Compared with the England average,

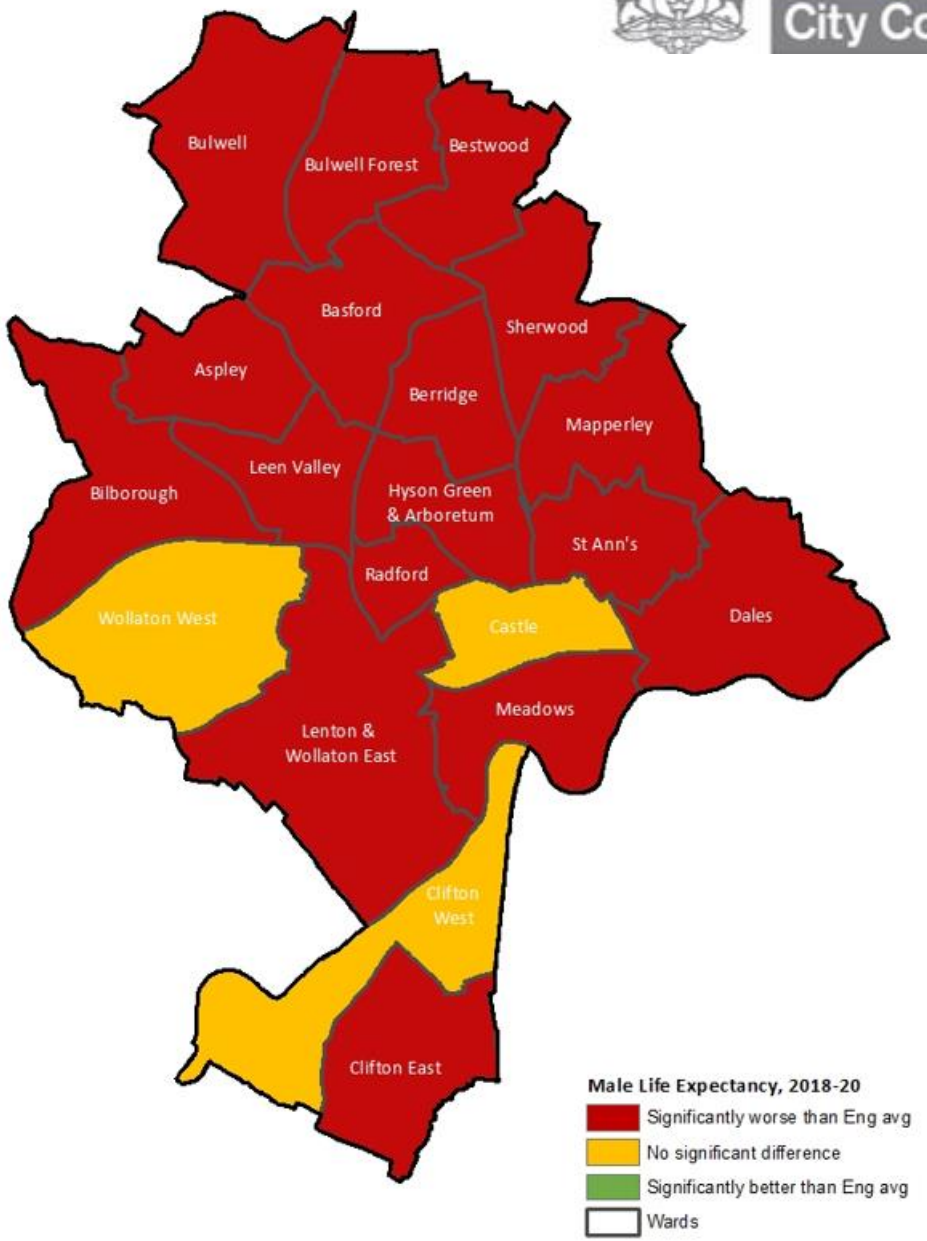
- 2 of 20 wards (Wollaton west and Castle) have significantly higher life expectancy;
- 12 wards have significantly lower Life expectancy and
- 6 no significant difference to the England average for females



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Life Expectancy: Within Nottingham (Male)

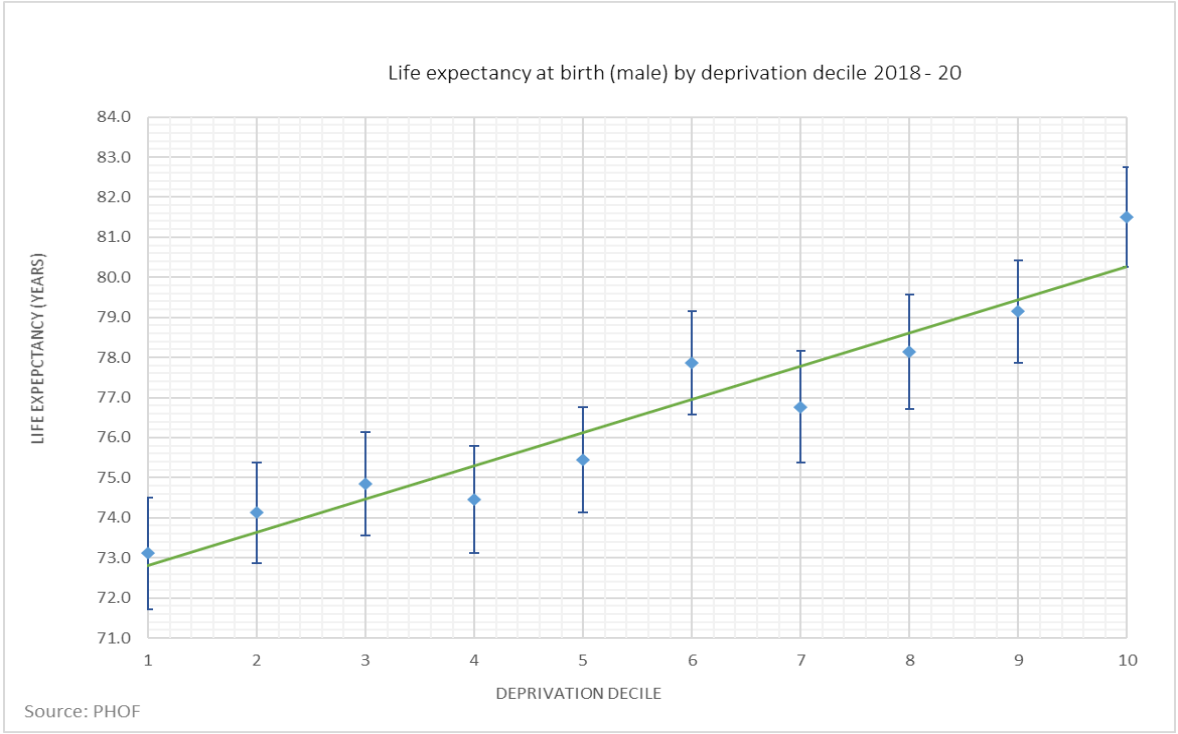
- In 17 of 20 wards in Nottingham, life expectancy is significantly lower than the England average for males and 3 wards with no significant difference to the national average



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Life Expectancy: Within Nottingham

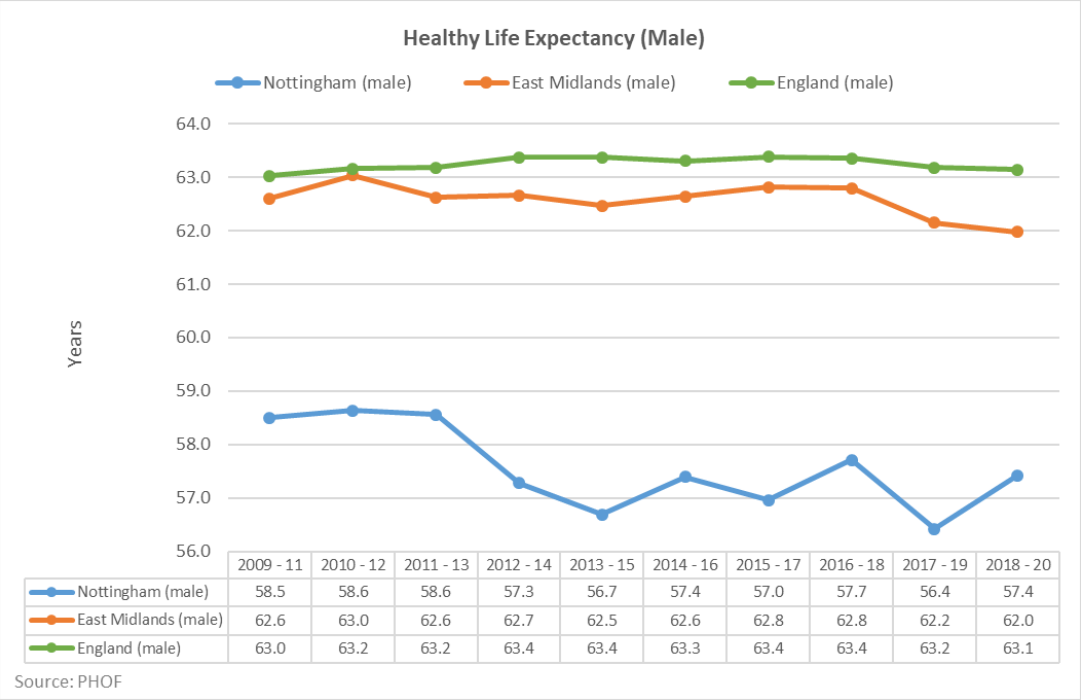
- Based on the 2018-20 figures, life expectancy at birth in the most deprived areas of the city is 73.1 years and 80.1 years for females whilst in the least deprived areas 81.5 years for males and 86.0 years for females.
- The gap in life expectancy between the most deprived areas and least deprived is 8.3 years for males and 7.5 years for females
- This implies that a male born in the least affluent areas in the city would expect to live on average 8 years less than a male born in the most affluent areas.
- Likewise, a female born in the least affluent areas in the city would expect to live on average seven and a half years less than a female born in the most affluent areas





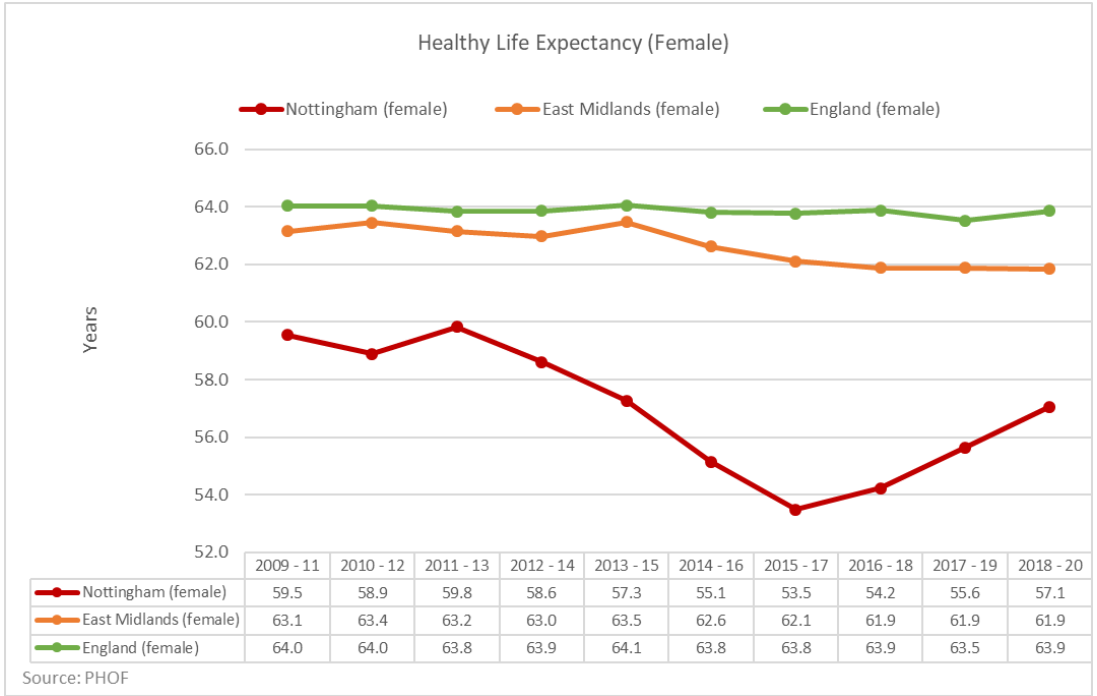
Healthy Life Expectancy: Nottingham compared to the England average

- Healthy life expectancy is a measure of the average number of years a person would expect to live in good health based on the current mortality rates and prevalence of self-reported good health (PHOF, 2017)
- 2018-20 healthy life expectancy in Nottingham for both men (57.4 years) and women (57.1) is significantly lower than the England average(men- 63.1 years; women -63.9 years)
- This suggests that men and women in Nottingham will spend 75% and 70% of life in good health respectively compared to the national average of 80% for males and 77% for females
- Nottingham's healthy life expectancy for men is currently ranked 139th out of 150 local authorities and 143rd for women



	2009 - 11	2010 - 12	2011 - 13	2012 - 14	2013 - 15	2014 - 16	2015 - 17	2016 - 18	2017 - 19	2018 - 20
Nottingham (male)	58.5	58.6	58.6	57.3	56.7	57.4	57.0	57.7	56.4	57.4
East Midlands (male)	62.6	63.0	62.6	62.7	62.5	62.6	62.8	62.8	62.2	62.0
England (male)	63.0	63.2	63.2	63.4	63.4	63.3	63.4	63.4	63.2	63.1

Source: PHOF

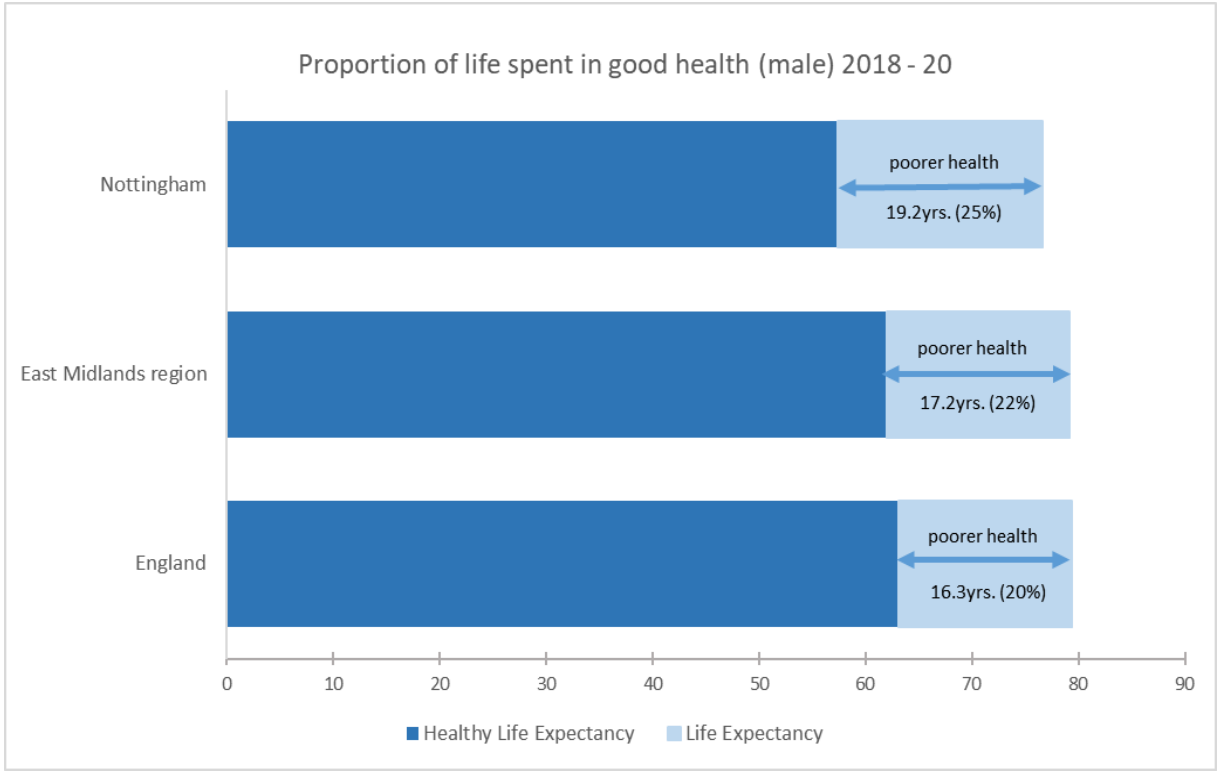


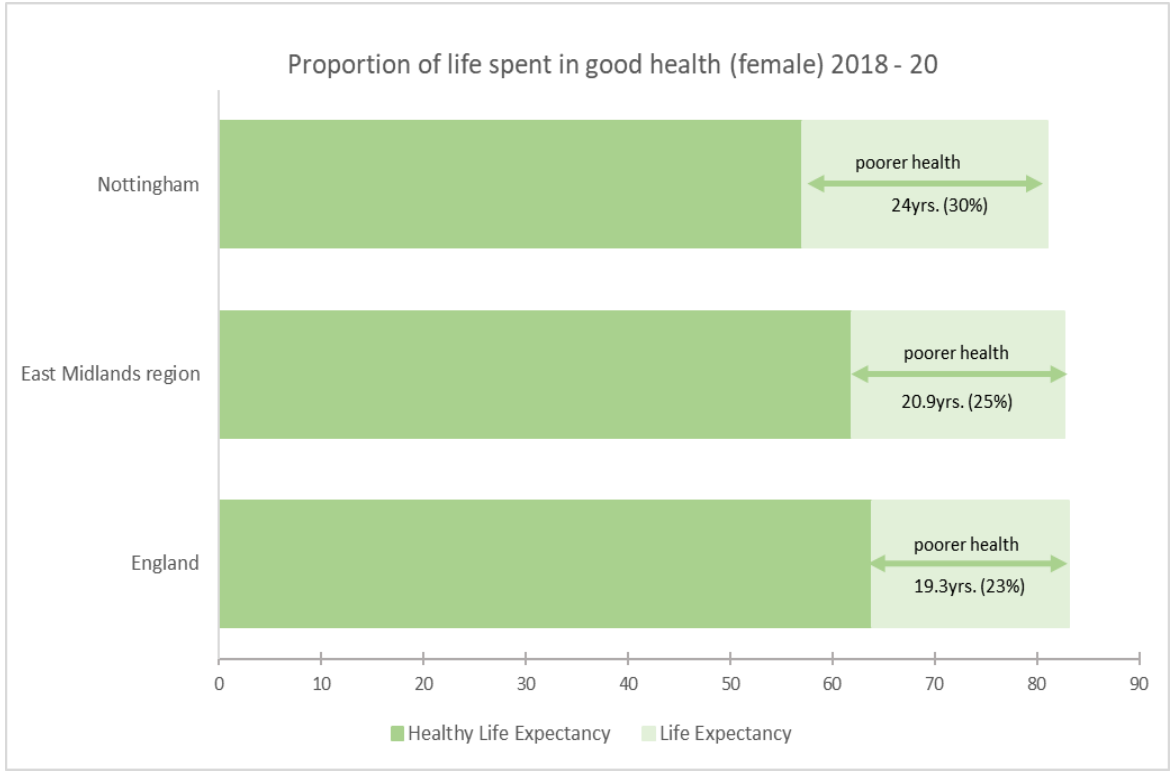
	2009 - 11	2010 - 12	2011 - 13	2012 - 14	2013 - 15	2014 - 16	2015 - 17	2016 - 18	2017 - 19	2018 - 20
Nottingham (female)	59.5	58.9	59.8	58.6	57.3	55.1	53.5	54.2	55.6	57.1
East Midlands (female)	63.1	63.4	63.2	63.0	63.5	62.6	62.1	61.9	61.9	61.9
England (female)	64.0	64.0	63.8	63.9	64.1	63.8	63.8	63.9	63.5	63.9

Source: PHOF

Healthy Life Expectancy: Nottingham's window of need

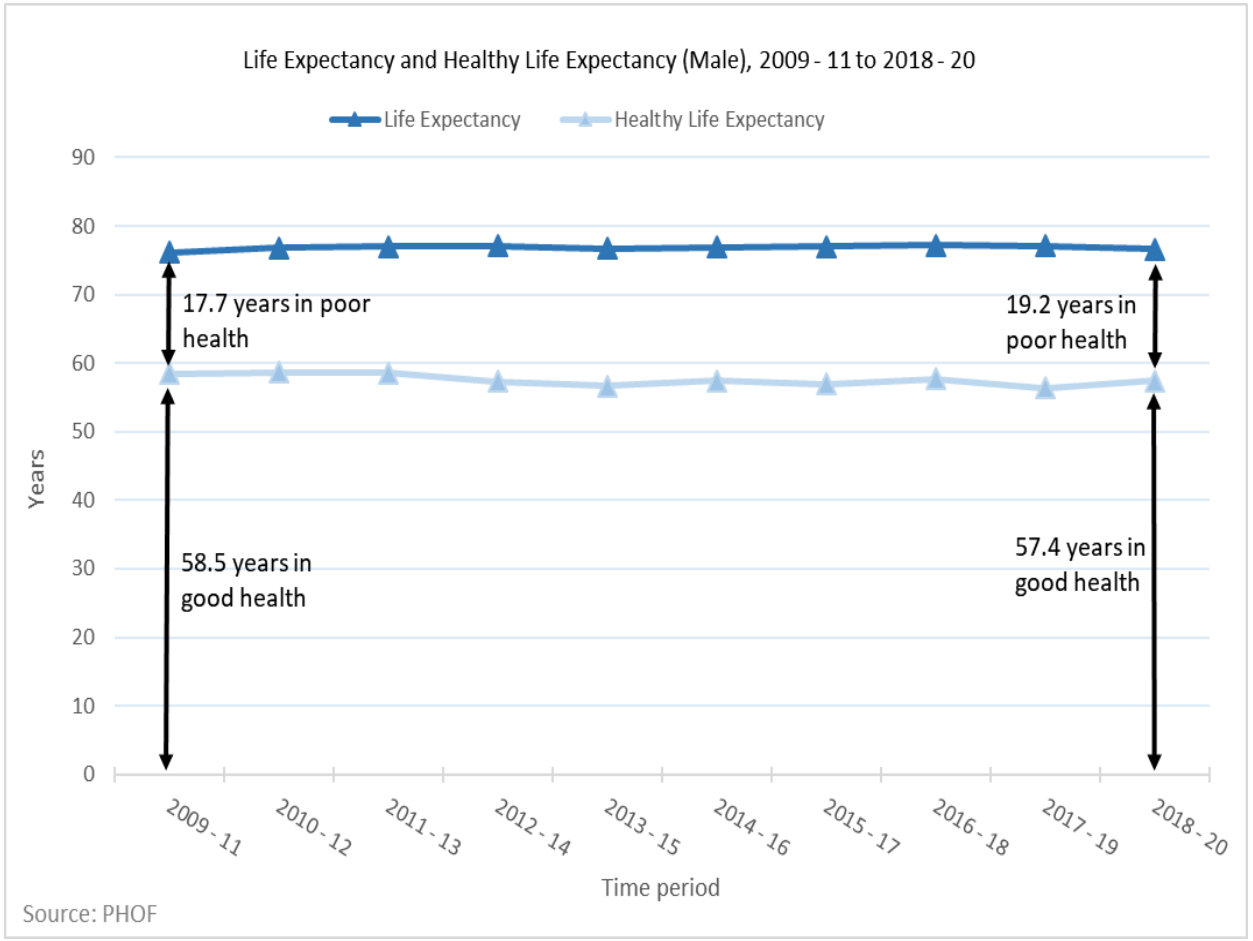
- In the East Midlands, the window of need is defined as the gap between life expectancy and healthy life expectancy, and is the number of years an individual can expect to live in poor health.
- Based on the 2018-20 figures, Nottingham's window of need for males is 19.2years and 24.0 years for females, higher than the England and regional average for both males and females (England 16.3 years and East Midlands 17.2 years for males; England 19.3 years and East Midlands 20.9 years for females).
- This means that although females in Nottingham live on average 4 years longer than males, a larger proportion (30%) of life will be sent in poorer health compared to males who will spend 25% in poorer health.
- Compared to the England and regional average, both males and females in Nottingham will spend a larger proportion of life in poorer health.

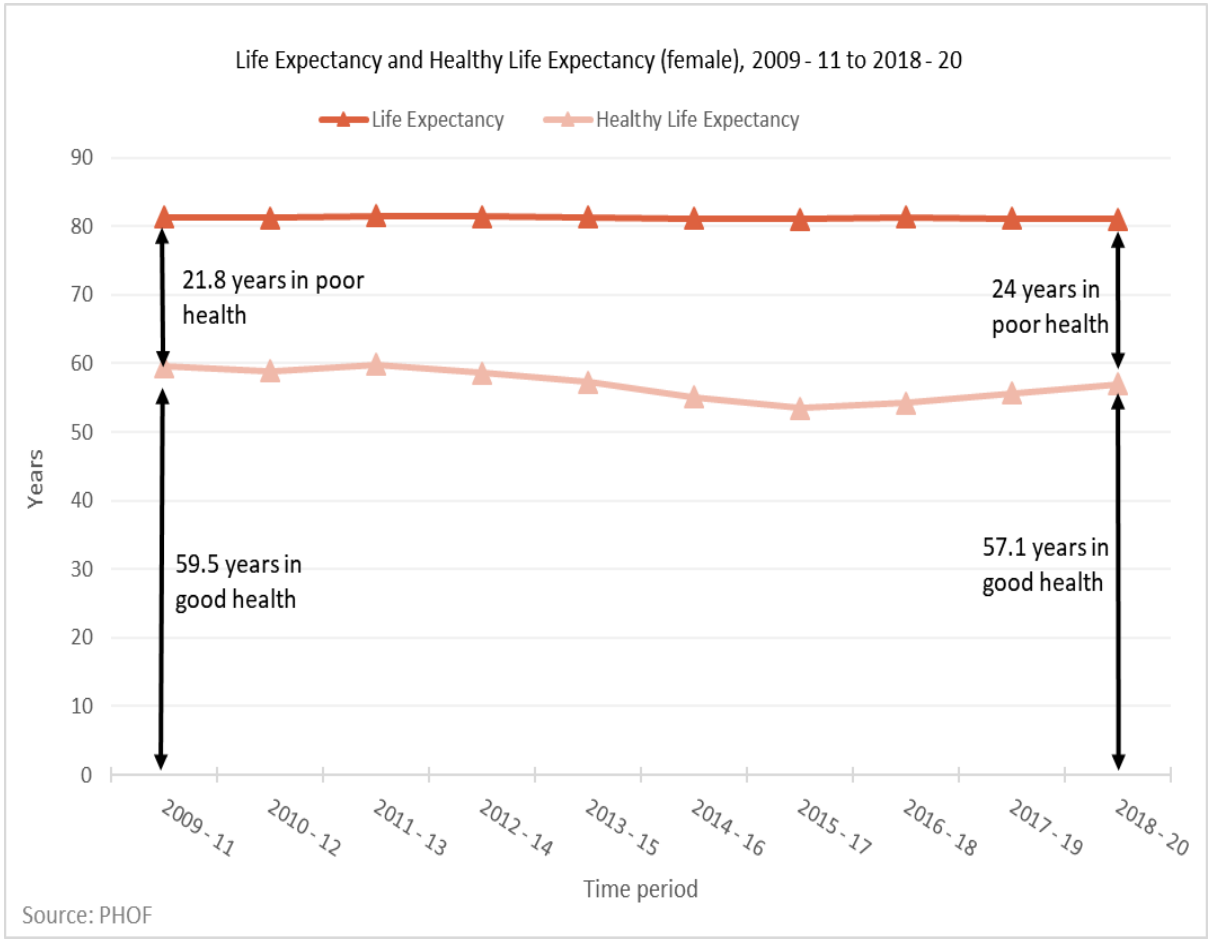




Healthy Life Expectancy: Change in window of need over time

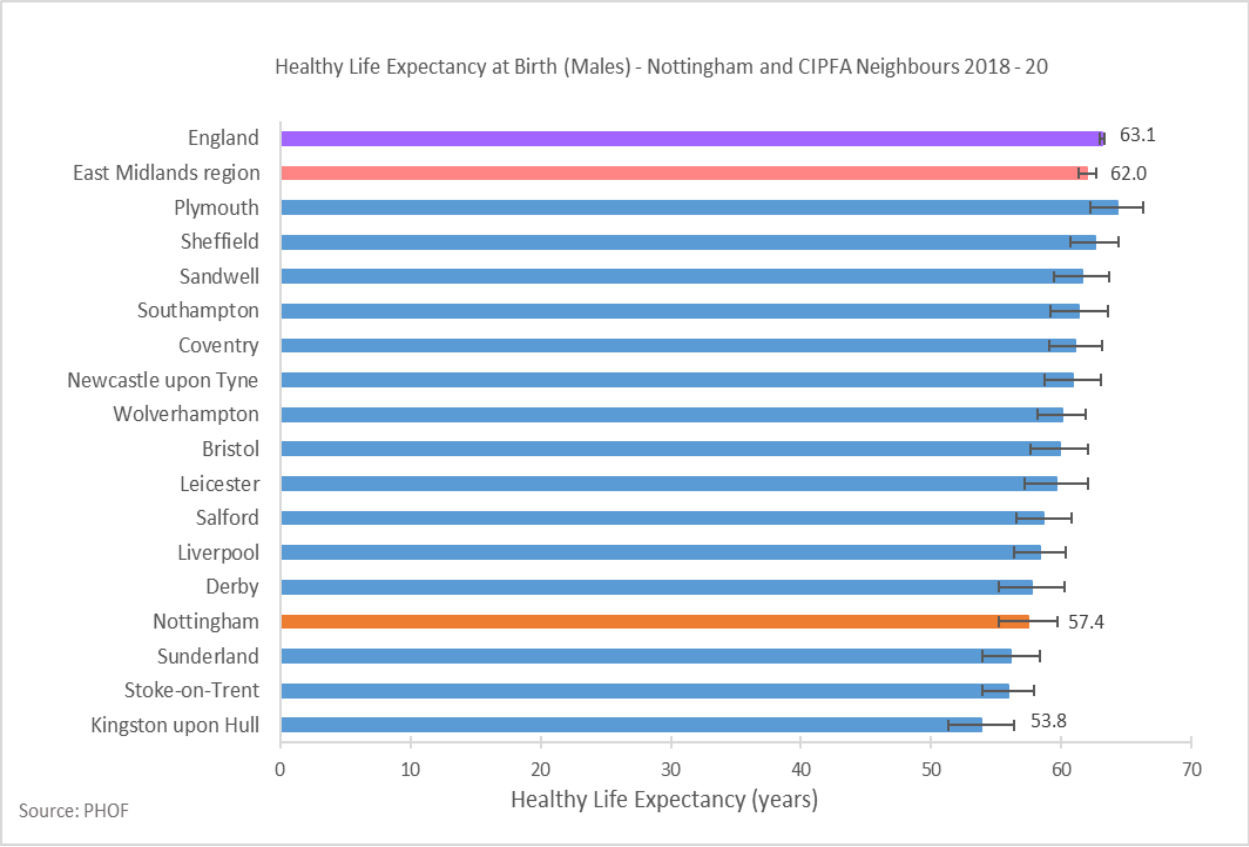
- The window of need in Nottingham has increased by 1.5 years for men, from 17.7 years in 2009-11 to 19.2 years in 2018-20 and by 2.2 years for women from 21.8 years in 2009-11 to 24.0 years in 2018-20

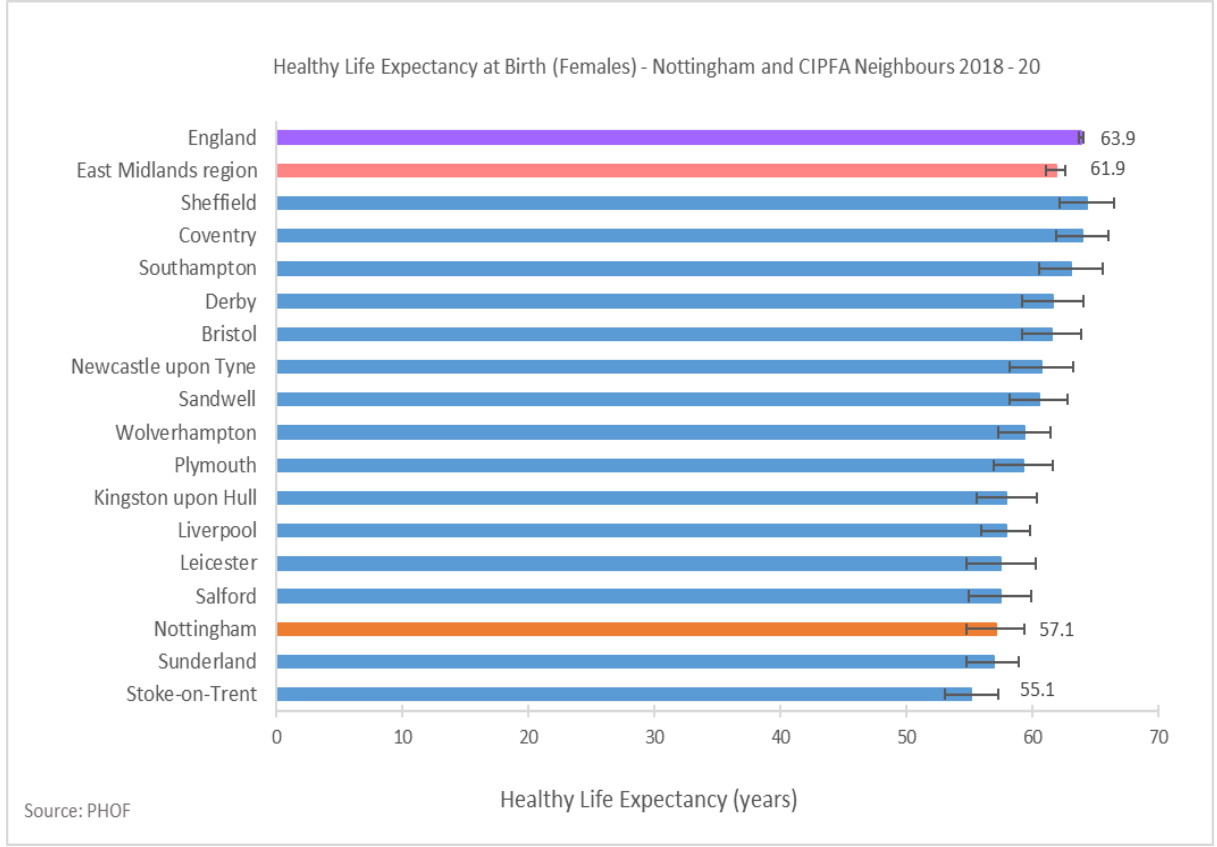




Healthy Life Expectancy: Nottingham compared to the regional average and CIPFA Neighbours

- Nottingham's healthy life expectancy (2018-20) for both men (57.4 years) and women (57.1 years) is also significantly lower than the regional average (men 62.0 years and 61.9 years women)
- Compared with CIPFA neighbours, Nottingham has the 4th lowest healthy life expectancy for men and 3rd lowest for women





Why Nottingham has a lower life expectancy and healthy life expectancy

- Based on 2020-21 data, the largest contributors to the life expectancy gap in both males and females are Circulatory diseases, Covid-19 and Cancer
- These conditions account for 65% of mortalities

