![Public Health England]
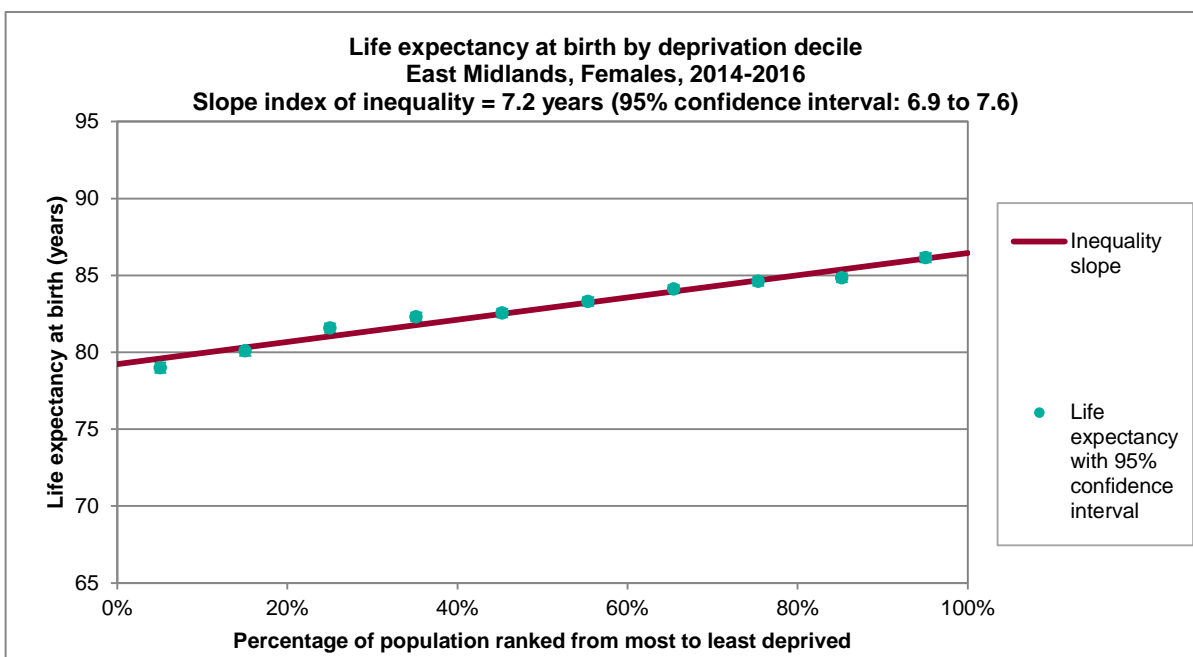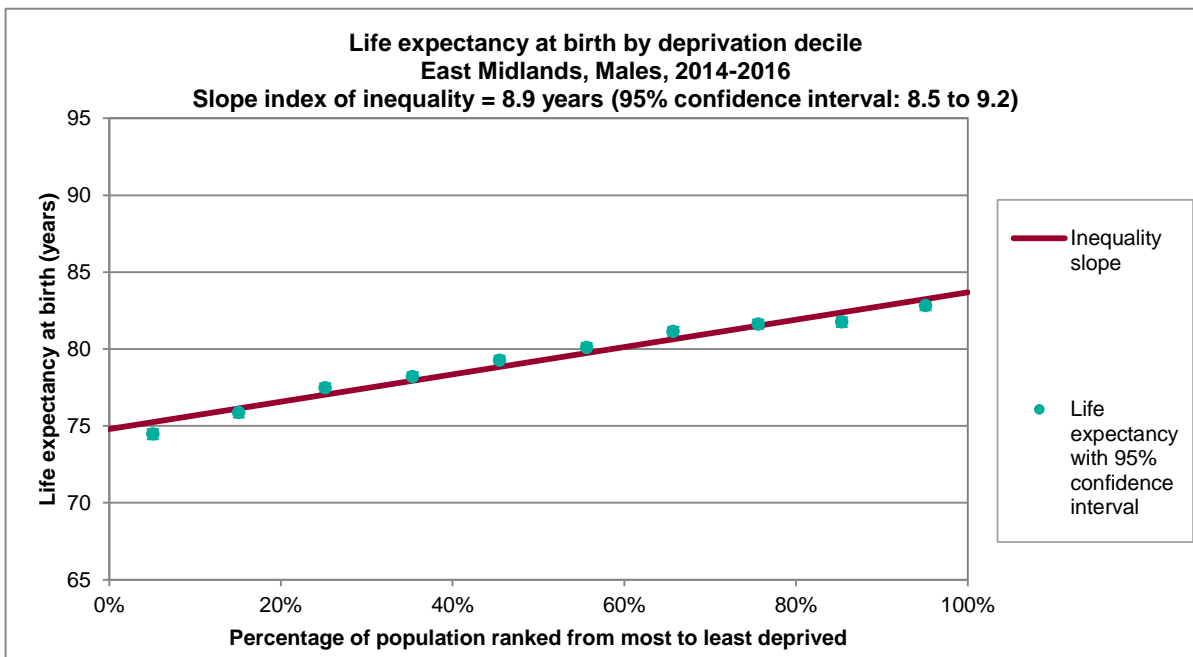
Slope index of inequality in life expectancy at birth within English local authorities, based on local deprivation deciles within each area, 2014-2016

Public Health Outcomes Framework Indicator 0.2iii

East Midlands (E12000004)

Life expectancy at birth by deprivation decile
East Midlands, Males, 2014-2016
Slope index of inequality = 8.9 years (95% confidence interval: 8.5 to 9.2)

Life expectancy at birth by deprivation decile
East Midlands, Females, 2014-2016
Slope index of inequality = 7.2 years (95% confidence interval: 6.9 to 7.6)

Deprivation decile	Males			Females		
	Life expectancy	95% CI	Population	Life expectancy	95% CI	Population
1	74.5	(74.1 , 74.8)	235,022	79.0	(78.7 , 79.3)	240,131
2	75.9	(75.5 , 76.2)	227,735	80.1	(79.8 , 80.4)	232,785
3	77.5	(77.2 , 77.8)	237,081	81.6	(81.3 , 81.9)	239,638
4	78.2	(77.9 , 78.5)	234,241	82.3	(82.0 , 82.6)	240,197
5	79.3	(79.0 , 79.6)	234,188	82.6	(82.3 , 82.8)	239,335
6	80.1	(79.8 , 80.4)	234,593	83.3	(83.0 , 83.6)	238,937
7	81.1	(80.8 , 81.4)	231,082	84.1	(83.8 , 84.4)	237,608
8	81.6	(81.3 , 81.9)	225,730	84.6	(84.3 , 84.9)	233,799
9	81.8	(81.4 , 82.1)	224,471	84.9	(84.6 , 85.1)	232,118
10	82.8	(82.5 , 83.1)	226,619	86.2	(85.9 , 86.5)	234,319

Note: Decile 1 is the most deprived decile. Population refers to the average of the mid-year population estimates for 2014-2016.
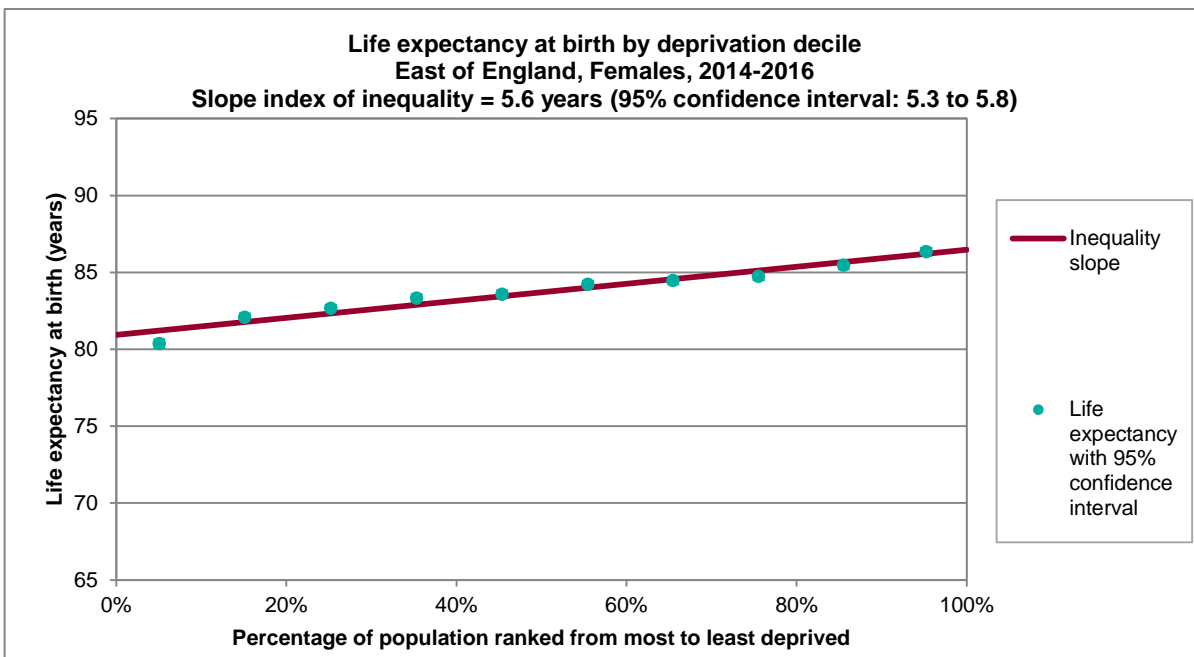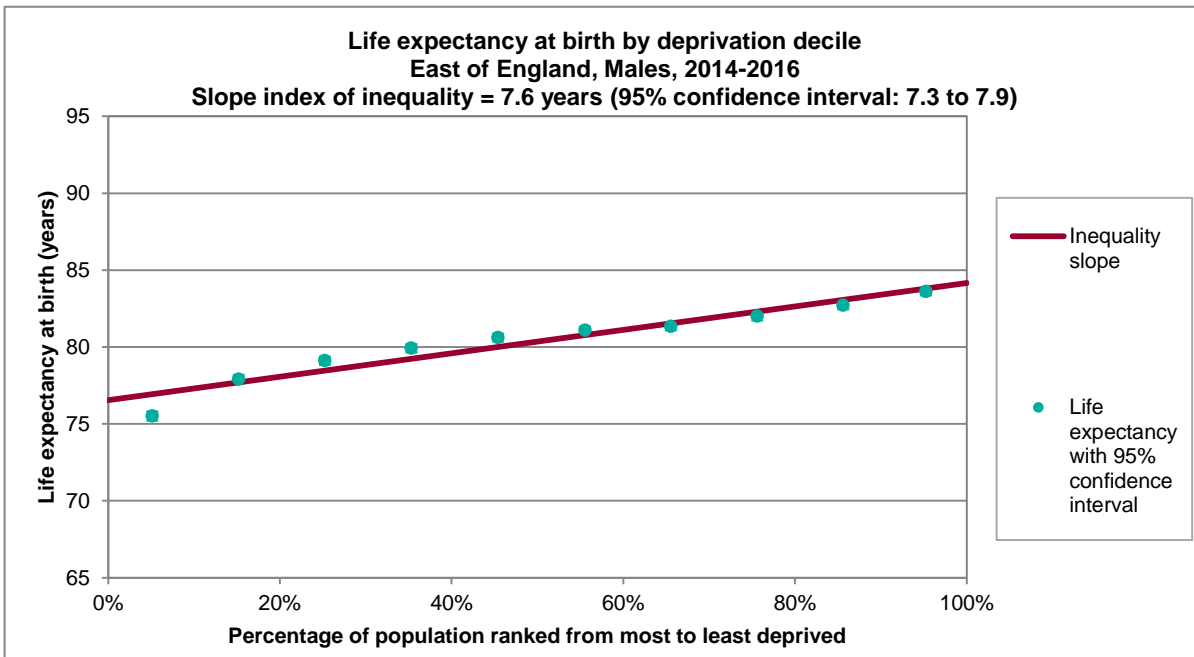
Sources: Office for National Statistics, mortality data and mid-year population estimates; Department for Communities and Local Government, Index of Multiple Deprivation 2015. Analysis by Public Health England's Knowledge and Intelligence Team (Epidemiology and Surveillance)

Public Health England

Slope index of inequality in life expectancy at birth within English local authorities, based on local deprivation deciles within each area, 2014-2016

Public Health Outcomes Framework Indicator 0.2iii

East of England (E12000006)

**Life expectancy at birth by deprivation decile
East of England, Males, 2014-2016
Slope index of inequality = 7.6 years (95% confidence interval: 7.3 to 7.9)**

**Life expectancy at birth by deprivation decile
East of England, Females, 2014-2016
Slope index of inequality = 5.6 years (95% confidence interval: 5.3 to 5.8)**

Deprivation decile	Males			Females		
	Life expectancy	95% CI	Population	Life expectancy	95% CI	Population
1	75.5	(75.2 , 75.8)	306,967	80.4	(80.1 , 80.7)	312,224
2	77.9	(77.6 , 78.2)	296,379	82.1	(81.8 , 82.3)	307,878
3	79.1	(78.8 , 79.4)	303,516	82.7	(82.4 , 82.9)	314,727
4	79.9	(79.7 , 80.2)	300,198	83.3	(83.1 , 83.6)	308,438
5	80.6	(80.4 , 80.9)	303,596	83.6	(83.3 , 83.8)	311,114
6	81.1	(80.8 , 81.3)	302,605	84.2	(84.0 , 84.5)	310,890
7	81.3	(81.1 , 81.6)	296,632	84.5	(84.2 , 84.7)	307,455
8	82.0	(81.7 , 82.3)	305,291	84.7	(84.5 , 85.0)	312,165
9	82.7	(82.5 , 83.0)	294,014	85.5	(85.2 , 85.7)	304,105
10	83.6	(83.4 , 83.9)	283,321	86.3	(86.1 , 86.6)	293,609

Note: Decile 1 is the most deprived decile. Population refers to the average of the mid-year population estimates for 2014-2016.
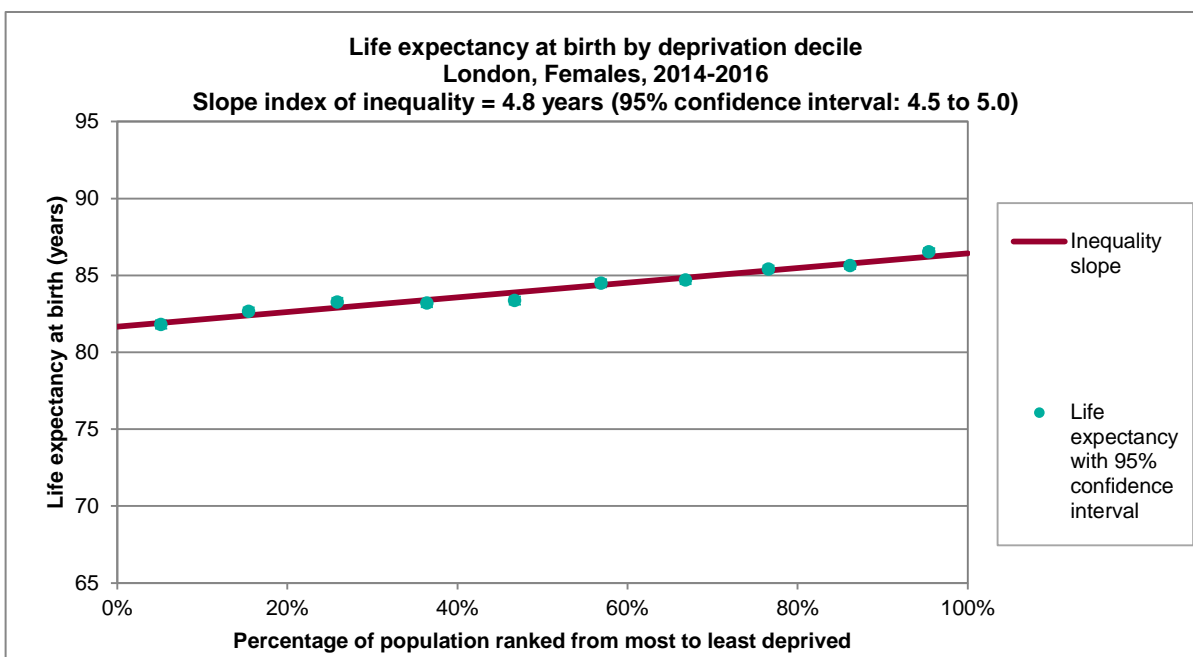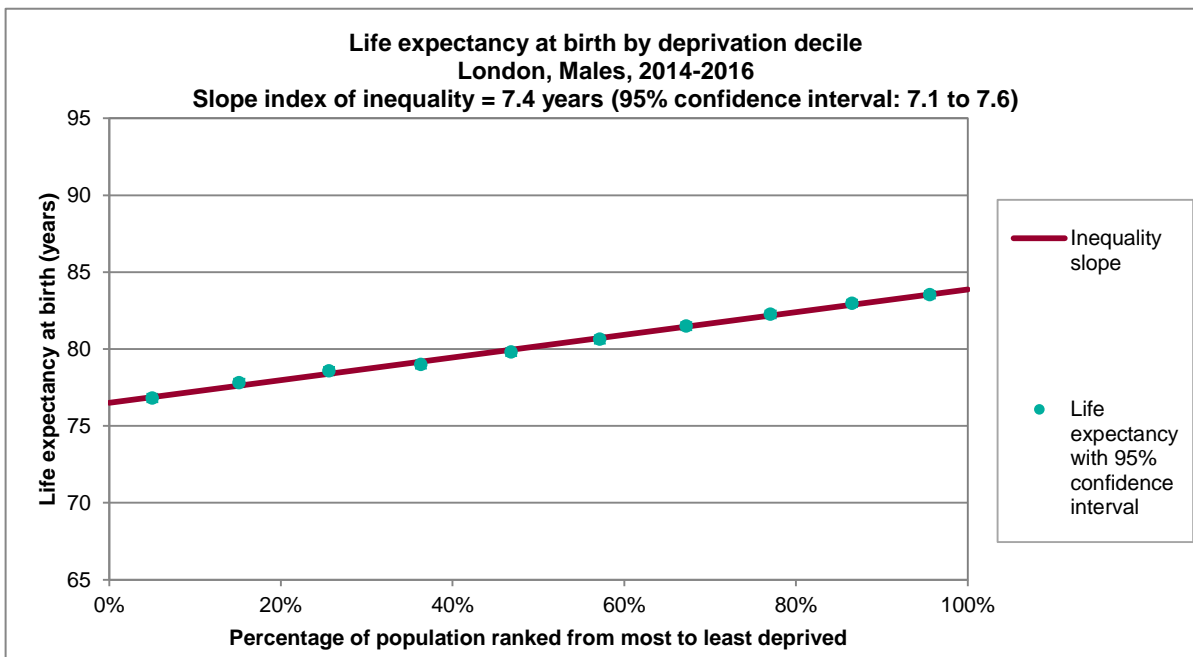
Sources: Office for National Statistics, mortality data and mid-year population estimates; Department for Communities and Local Government, Index of Multiple Deprivation 2015. Analysis by Public Health England's Knowledge and Intelligence Team (Epidemiology and Surveillance)

Public Health England

Slope index of inequality in life expectancy at birth within English local authorities, based on local deprivation deciles within each area, 2014-2016

Public Health Outcomes Framework Indicator 0.2iii

London (E12000007)

Life expectancy at birth by deprivation decile
London, Males, 2014-2016
Slope index of inequality = 7.4 years (95% confidence interval: 7.1 to 7.6)

Life expectancy at birth (years)

Percentage of population ranked from most to least deprived

— Inequality slope

● Life expectancy with 95% confidence interval

Life expectancy at birth by deprivation decile
London, Females, 2014-2016
Slope index of inequality = 4.8 years (95% confidence interval: 4.5 to 5.0)

Life expectancy at birth (years)

Percentage of population ranked from most to least deprived

— Inequality slope

● Life expectancy with 95% confidence interval

Deprivation decile	Males			Females		
	Life expectancy	95% CI	Population	Life expectancy	95% CI	Population
1	76.8	(76.5 , 77.1)	433,288	81.8	(81.6 , 82.1)	448,837
2	77.8	(77.5 , 78.1)	438,168	82.7	(82.4 , 82.9)	448,654
3	78.6	(78.3 , 78.8)	463,504	83.3	(83.0 , 83.5)	461,406
4	79.0	(78.7 , 79.3)	457,808	83.2	(82.9 , 83.4)	456,203
5	79.8	(79.5 , 80.1)	449,007	83.4	(83.1 , 83.6)	445,242
6	80.6	(80.4 , 80.9)	439,879	84.5	(84.2 , 84.7)	438,604
7	81.5	(81.2 , 81.7)	428,775	84.7	(84.4 , 84.9)	428,673
8	82.3	(82.0 , 82.5)	416,227	85.4	(85.2 , 85.7)	422,222
9	83.0	(82.7 , 83.2)	402,326	85.6	(85.4 , 85.9)	413,401
10	83.5	(83.3 , 83.8)	378,627	86.5	(86.3 , 86.8)	395,914

Note: Decile 1 is the most deprived decile. Population refers to the average of the mid-year population estimates for 2014-2016.
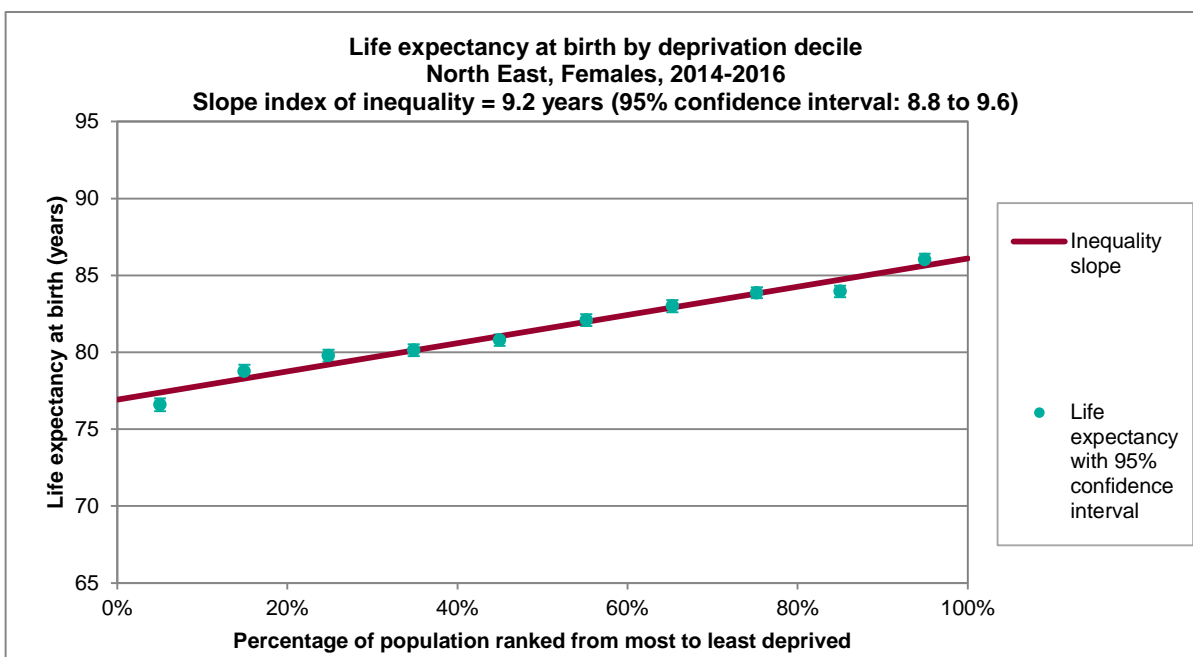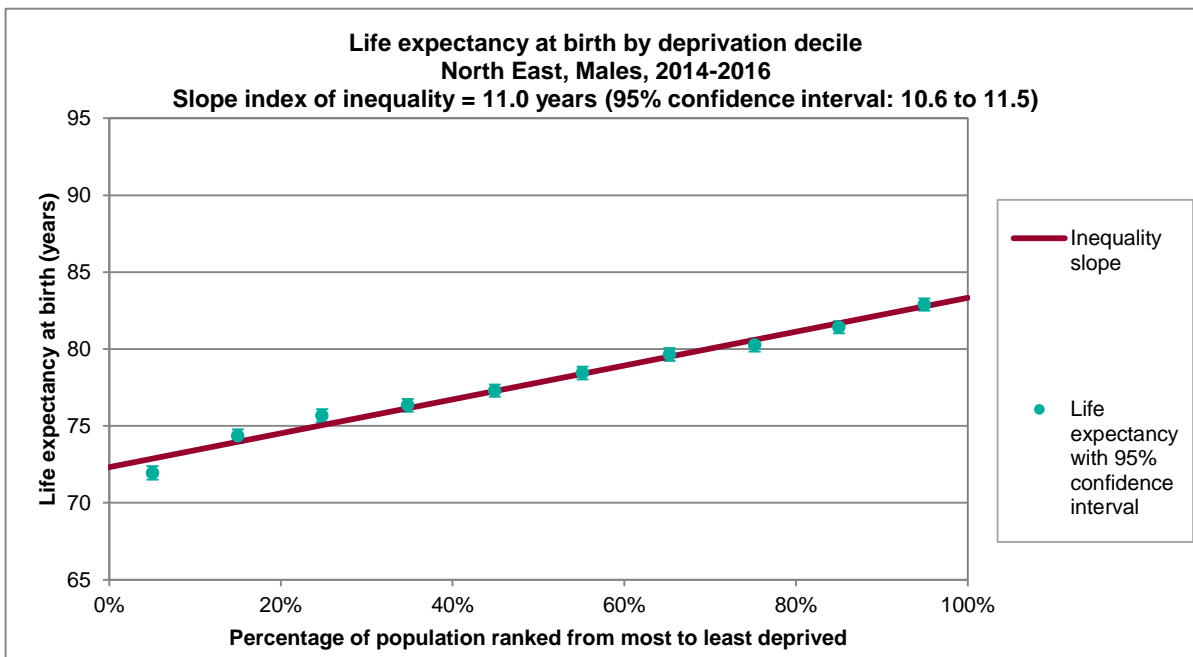
Sources: Office for National Statistics, mortality data and mid-year population estimates; Department for Communities and Local Government, Index of Multiple Deprivation 2015. Analysis by Public Health England's Knowledge and Intelligence Team (Epidemiology and Surveillance)

![Public Health England]

Slope index of inequality in life expectancy at birth within English local authorities, based on local deprivation deciles within each area, 2014-2016

Public Health Outcomes Framework Indicator 0.2iii

North East (E12000001)

Life expectancy at birth by deprivation decile
North East, Males, 2014-2016
Slope index of inequality = 11.0 years (95% confidence interval: 10.6 to 11.5)

Life expectancy at birth by deprivation decile
North East, Females, 2014-2016
Slope index of inequality = 9.2 years (95% confidence interval: 8.8 to 9.6)

Deprivation decile	Males			Females		
	Life expectancy	95% CI	Population	Life expectancy	95% CI	Population
1	71.9	(71.5 , 72.4)	129,951	76.6	(76.2 , 77.0)	134,314
2	74.3	(73.9 , 74.8)	125,901	78.8	(78.4 , 79.2)	131,391
3	75.7	(75.3 , 76.1)	127,168	79.8	(79.4 , 80.2)	133,586
4	76.4	(75.9 , 76.8)	130,045	80.1	(79.7 , 80.5)	134,643
5	77.3	(76.9 , 77.7)	131,364	80.8	(80.4 , 81.2)	135,750
6	78.4	(78.0 , 78.9)	131,670	82.1	(81.7 , 82.5)	136,934
7	79.6	(79.2 , 80.1)	129,354	83.0	(82.6 , 83.4)	134,340
8	80.3	(79.8 , 80.7)	126,404	83.9	(83.5 , 84.2)	131,287
9	81.4	(81.0 , 81.8)	126,419	84.0	(83.6 , 84.3)	131,069
10	82.9	(82.5 , 83.3)	129,972	86.0	(85.7 , 86.4)	135,161

Note: Decile 1 is the most deprived decile. Population refers to the average of the mid-year population estimates for 2014-2016.
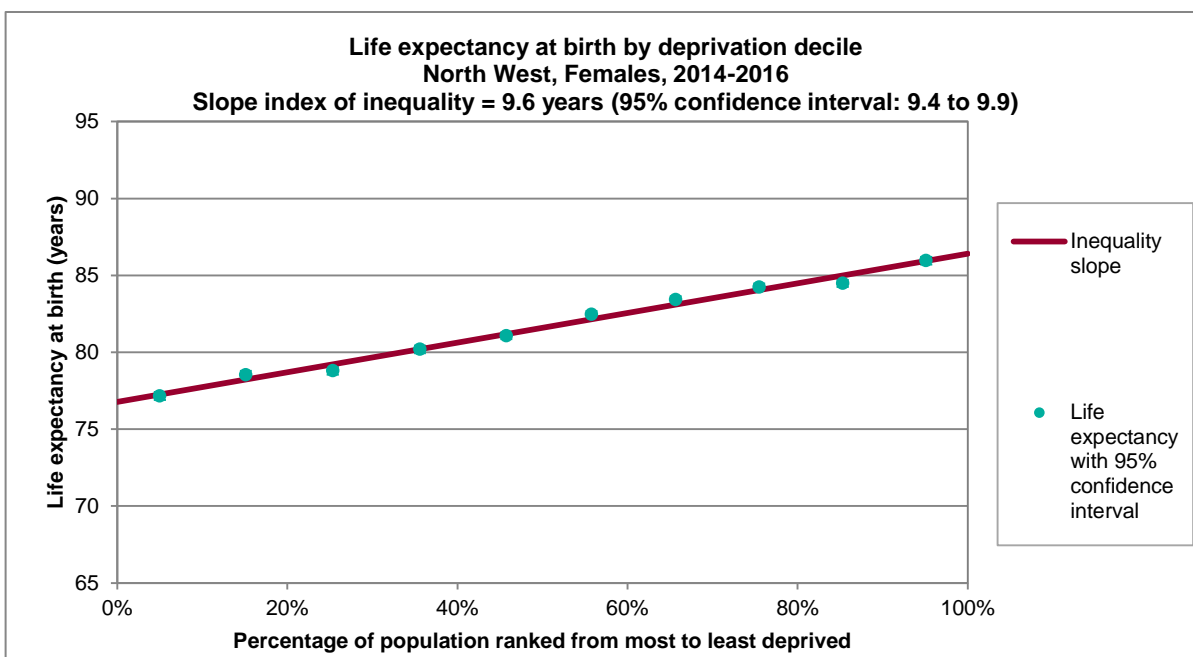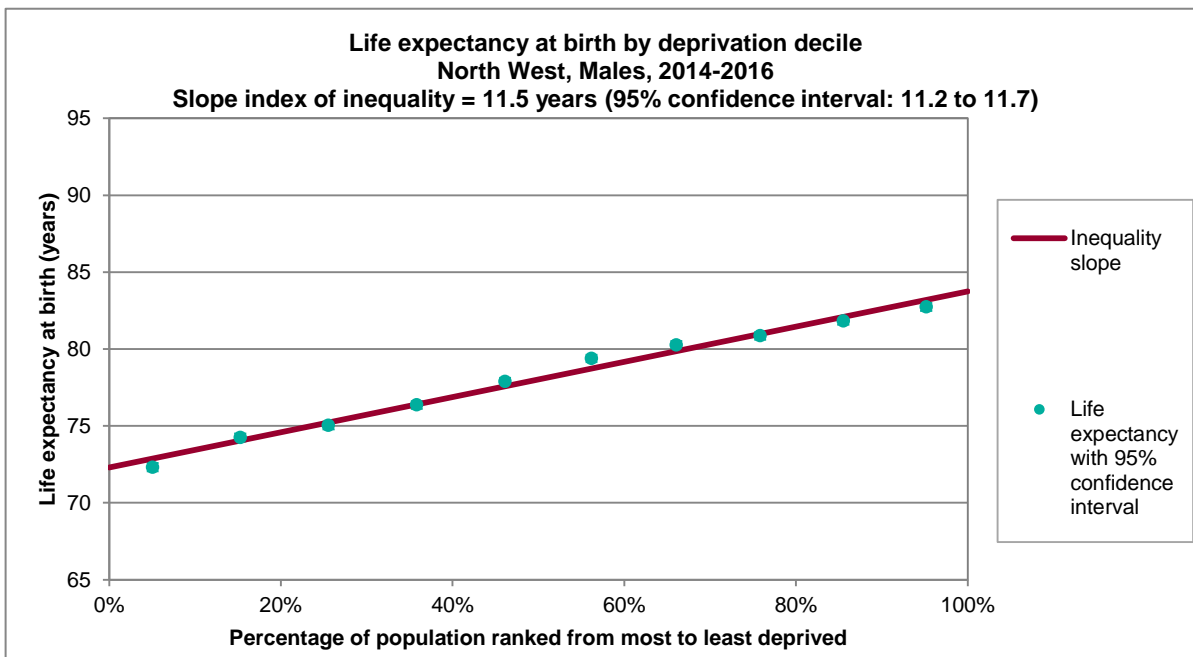
Sources: Office for National Statistics, mortality data and mid-year population estimates; Department for Communities and Local Government, Index of Multiple Deprivation 2015. Analysis by Public Health England's Knowledge and Intelligence Team (Epidemiology and Surveillance)

![Public Health England logo]

Slope index of inequality in life expectancy at birth within English local authorities, based on local deprivation deciles within each area, 2014-2016

Public Health Outcomes Framework Indicator 0.2iii

North West (E12000002)

**Life expectancy at birth by deprivation decile
North West, Males, 2014-2016
Slope index of inequality = 11.5 years (95% confidence interval: 11.2 to 11.7)**

**Life expectancy at birth by deprivation decile
North West, Females, 2014-2016
Slope index of inequality = 9.6 years (95% confidence interval: 9.4 to 9.9)**

Deprivation decile	Males			Females		
	Life expectancy	95% CI	Population	Life expectancy	95% CI	Population
1	72.3	(72.1 , 72.6)	357,538	77.2	(76.9 , 77.4)	364,315
2	74.3	(74.0 , 74.5)	364,459	78.5	(78.3 , 78.8)	371,742
3	75.0	(74.8 , 75.3)	362,274	78.8	(78.6 , 79.0)	372,600
4	76.4	(76.1 , 76.6)	365,196	80.2	(79.9 , 80.4)	373,154
5	77.9	(77.6 , 78.1)	362,359	81.1	(80.9 , 81.3)	367,910
6	79.4	(79.1 , 79.6)	349,063	82.5	(82.2 , 82.7)	360,871
7	80.3	(80.0 , 80.5)	349,156	83.4	(83.2 , 83.7)	359,627
8	80.9	(80.6 , 81.1)	342,427	84.2	(84.0 , 84.5)	355,225
9	81.8	(81.6 , 82.1)	341,961	84.5	(84.3 , 84.7)	359,193
10	82.7	(82.5 , 83.0)	341,109	86.0	(85.7 , 86.2)	355,304

Note: Decile 1 is the most deprived decile. Population refers to the average of the mid-year population estimates for 2014-2016.
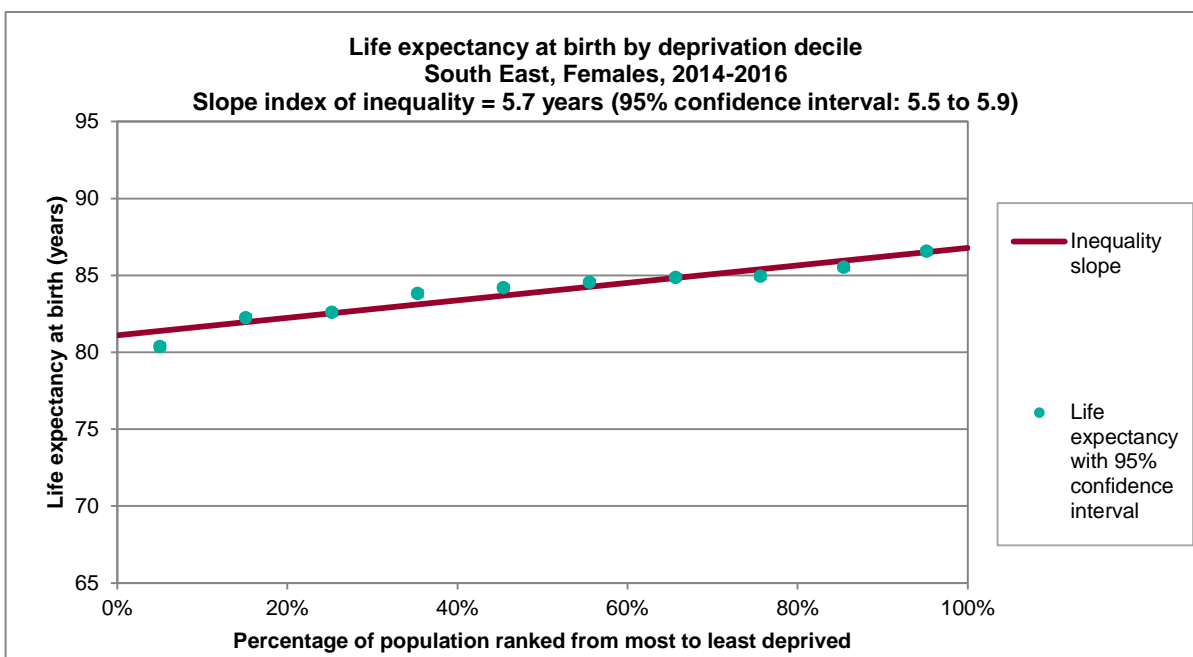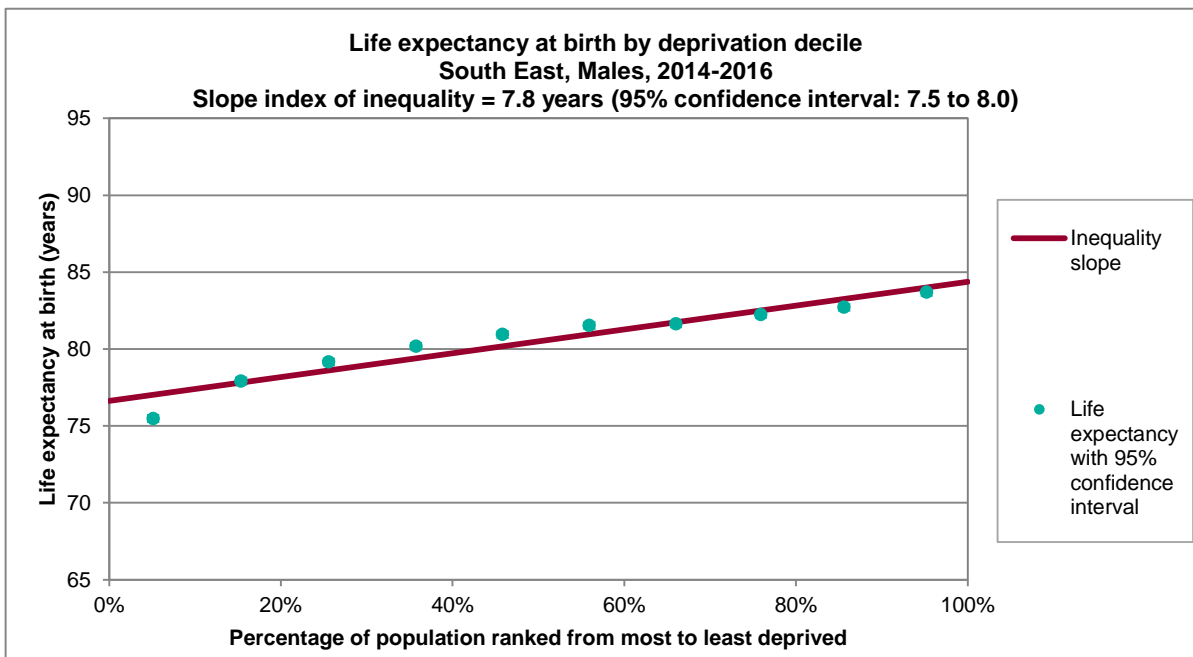
Sources: Office for National Statistics, mortality data and mid-year population estimates; Department for Communities and Local Government, Index of Multiple Deprivation 2015. Analysis by Public Health England's Knowledge and Intelligence Team (Epidemiology and Surveillance)

![Public Health England]

Slope index of inequality in life expectancy at birth within English local authorities, based on local deprivation deciles within each area, 2014-2016

Public Health Outcomes Framework Indicator 0.2iii

South East (E12000008)

**Life expectancy at birth by deprivation decile
South East, Males, 2014-2016
Slope index of inequality = 7.8 years (95% confidence interval: 7.5 to 8.0)**

**Life expectancy at birth by deprivation decile
South East, Females, 2014-2016
Slope index of inequality = 5.7 years (95% confidence interval: 5.5 to 5.9)**

Deprivation decile	Males			Females		
	Life expectancy	95% CI	Population	Life expectancy	95% CI	Population
1	75.5	(75.3 , 75.7)	450,860	80.4	(80.1 , 80.6)	457,448
2	77.9	(77.7 , 78.1)	451,818	82.2	(82.0 , 82.5)	459,982
3	79.2	(78.9 , 79.4)	448,921	82.6	(82.4 , 82.8)	458,096
4	80.2	(80.0 , 80.4)	445,570	83.8	(83.6 , 84.0)	459,128
5	81.0	(80.7 , 81.2)	443,632	84.2	(84.0 , 84.4)	458,880
6	81.5	(81.3 , 81.7)	446,874	84.6	(84.4 , 84.8)	461,738
7	81.6	(81.4 , 81.8)	442,273	84.9	(84.7 , 85.1)	458,106
8	82.2	(82.0 , 82.4)	429,207	85.0	(84.8 , 85.2)	446,295
9	82.7	(82.5 , 82.9)	425,565	85.5	(85.3 , 85.7)	446,007
10	83.7	(83.5 , 83.9)	420,752	86.6	(86.4 , 86.8)	438,189

Note: Decile 1 is the most deprived decile. Population refers to the average of the mid-year population estimates for 2014-2016.
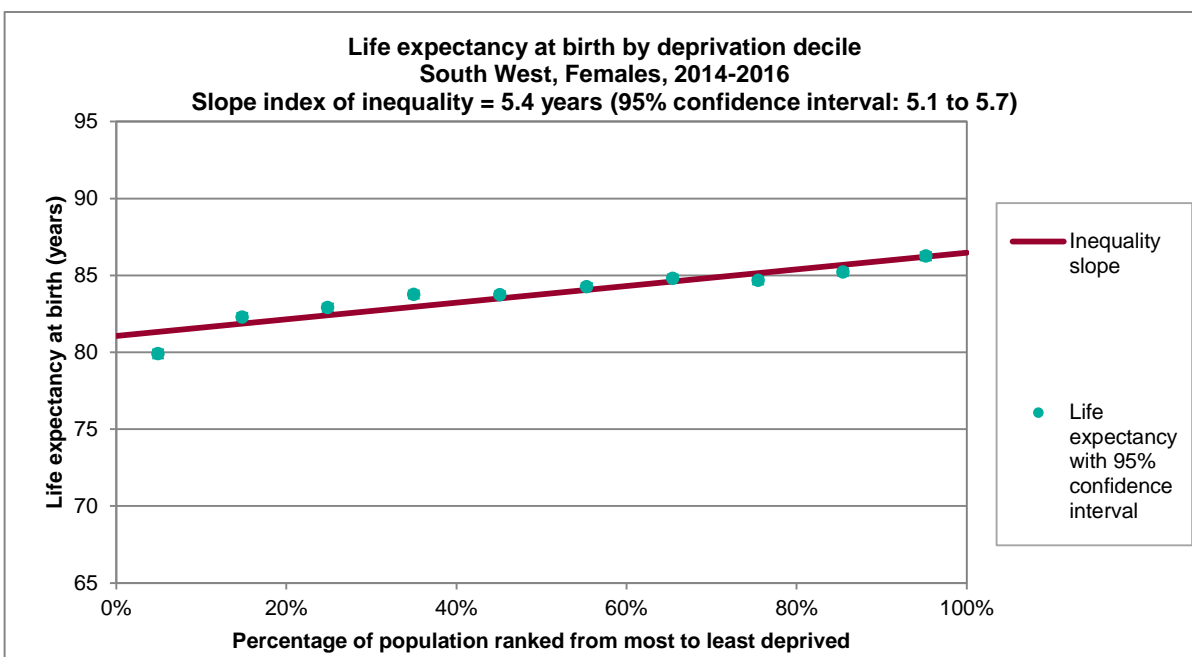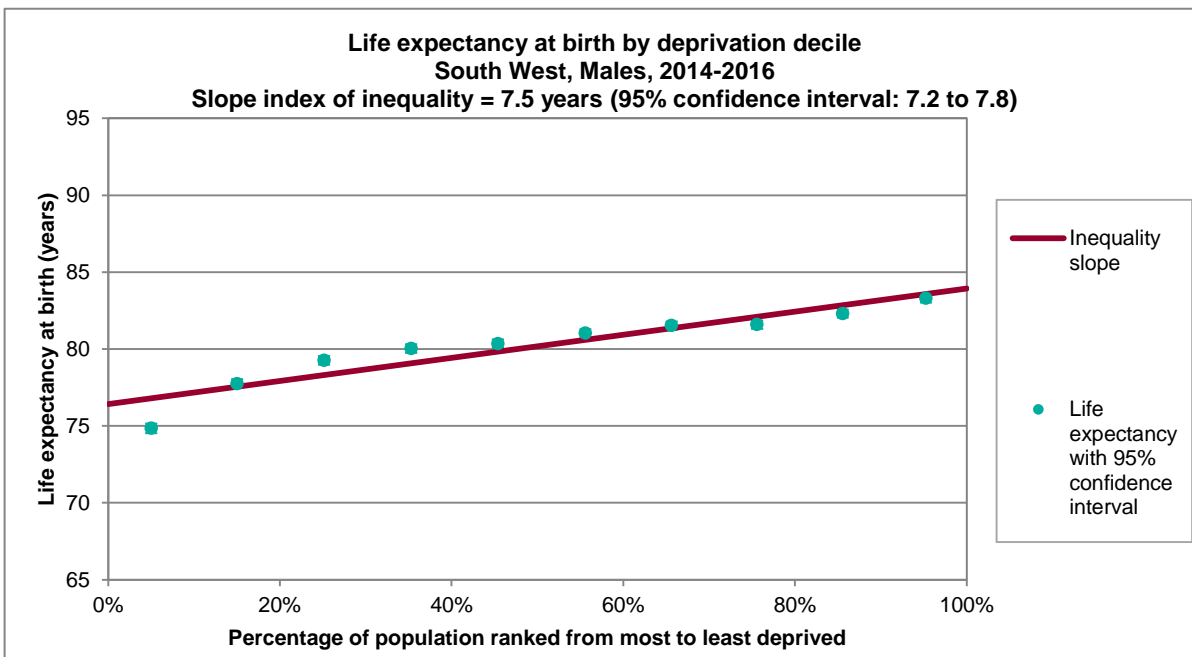
Sources: Office for National Statistics, mortality data and mid-year population estimates; Department for Communities and Local Government, Index of Multiple Deprivation 2015. Analysis by Public Health England's Knowledge and Intelligence Team (Epidemiology and Surveillance)

Public Health England

Slope index of inequality in life expectancy at birth within English local authorities, based on local deprivation deciles within each area, 2014-2016

Public Health Outcomes Framework Indicator 0.2iii

South West (E12000009)

Life expectancy at birth by deprivation decile
South West, Males, 2014-2016
Slope index of inequality = 7.5 years (95% confidence interval: 7.2 to 7.8)

Life expectancy at birth by deprivation decile
South West, Females, 2014-2016
Slope index of inequality = 5.4 years (95% confidence interval: 5.1 to 5.7)

Deprivation decile	Males			Females		
	Life expectancy	95% CI	Population	Life expectancy	95% CI	Population
1	74.8	(74.5 , 75.1)	269,020	79.9	(79.6 , 80.2)	273,599
2	77.8	(77.5 , 78.0)	268,899	82.3	(82.0 , 82.6)	276,841
3	79.3	(79.0 , 79.5)	276,034	82.9	(82.6 , 83.2)	283,452
4	80.0	(79.8 , 80.3)	269,062	83.8	(83.5 , 84.0)	278,881
5	80.4	(80.1 , 80.6)	273,833	83.7	(83.5 , 84.0)	284,853
6	81.0	(80.7 , 81.3)	273,987	84.3	(84.0 , 84.5)	283,966
7	81.5	(81.3 , 81.8)	266,183	84.8	(84.6 , 85.1)	278,193
8	81.6	(81.3 , 81.9)	269,225	84.7	(84.4 , 84.9)	280,927
9	82.3	(82.0 , 82.6)	266,797	85.2	(85.0 , 85.5)	275,009
10	83.3	(83.0 , 83.6)	254,684	86.3	(86.0 , 86.5)	266,701

Note: Decile 1 is the most deprived decile. Population refers to the average of the mid-year population estimates for 2014-2016.
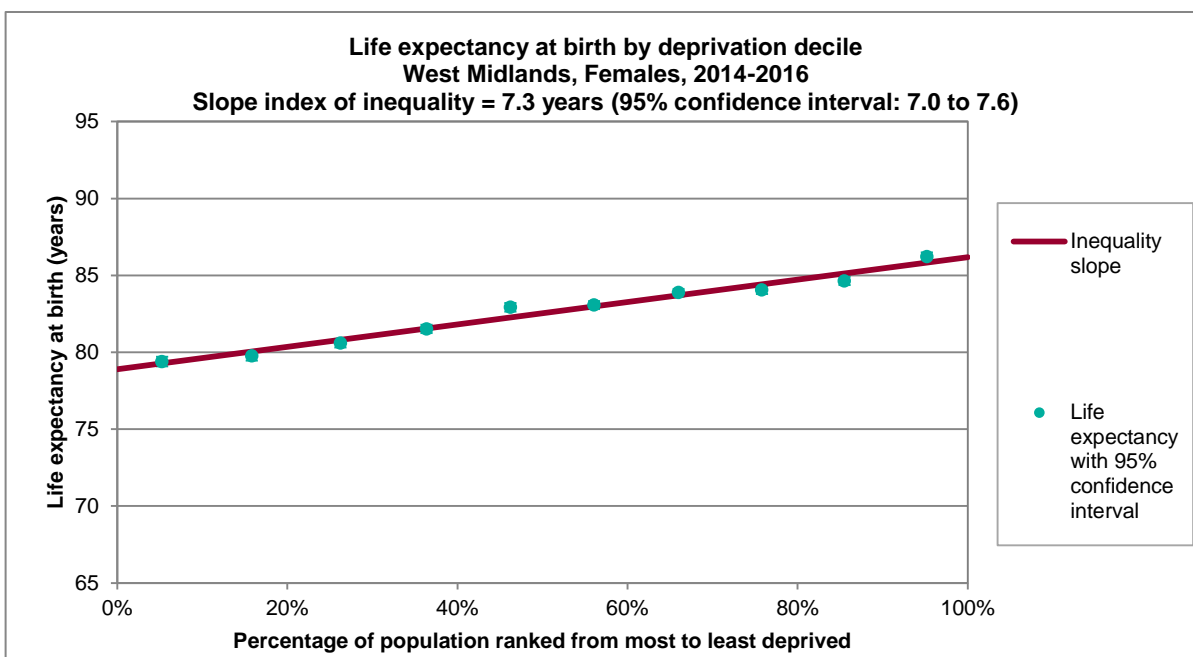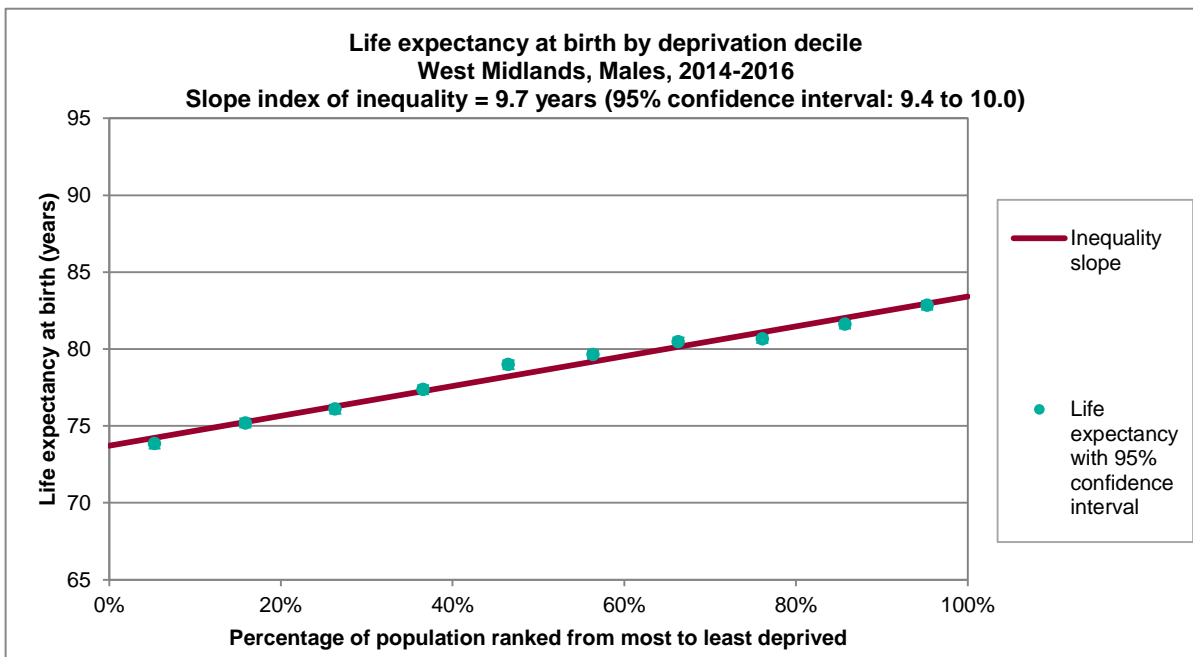
Sources: Office for National Statistics, mortality data and mid-year population estimates; Department for Communities and Local Government, Index of Multiple Deprivation 2015. Analysis by Public Health England's Knowledge and Intelligence Team (Epidemiology and Surveillance)

Slope index of inequality in life expectancy at birth within English local authorities, based on local deprivation deciles within each area, 2014-2016

Public Health Outcomes Framework Indicator 0.2iii

West Midlands (E12000005)

**Life expectancy at birth by deprivation decile
West Midlands, Males, 2014-2016
Slope index of inequality = 9.7 years (95% confidence interval: 9.4 to 10.0)**

**Life expectancy at birth by deprivation decile
West Midlands, Females, 2014-2016
Slope index of inequality = 7.3 years (95% confidence interval: 7.0 to 7.6)**

Deprivation decile	Males			Females		
	Life expectancy	95% CI	Population	Life expectancy	95% CI	Population
1	73.8	(73.5 , 74.2)	301,261	79.4	(79.1 , 79.7)	306,176
2	75.2	(74.9 , 75.5)	300,393	79.8	(79.5 , 80.1)	307,390
3	76.1	(75.8 , 76.4)	295,985	80.6	(80.3 , 80.9)	298,695
4	77.4	(77.1 , 77.7)	286,845	81.5	(81.2 , 81.8)	290,241
5	79.0	(78.7 , 79.3)	279,340	82.9	(82.7 , 83.2)	283,338
6	79.6	(79.4 , 79.9)	281,951	83.1	(82.8 , 83.3)	288,536
7	80.5	(80.2 , 80.7)	284,088	83.9	(83.6 , 84.1)	289,668
8	80.7	(80.4 , 80.9)	272,517	84.1	(83.8 , 84.3)	280,559
9	81.6	(81.3 , 81.9)	276,207	84.6	(84.4 , 84.9)	284,428
10	82.9	(82.6 , 83.1)	268,645	86.2	(85.9 , 86.5)	278,745

Note: Decile 1 is the most deprived decile. Population refers to the average of the mid-year population estimates for 2014-2016.

Sources: Office for National Statistics, mortality data and mid-year population estimates; Department for Communities and Local Government, Index of Multiple Deprivation 2015. Analysis by Public Health England's Knowledge and Intelligence Team (Epidemiology and Surveillance)
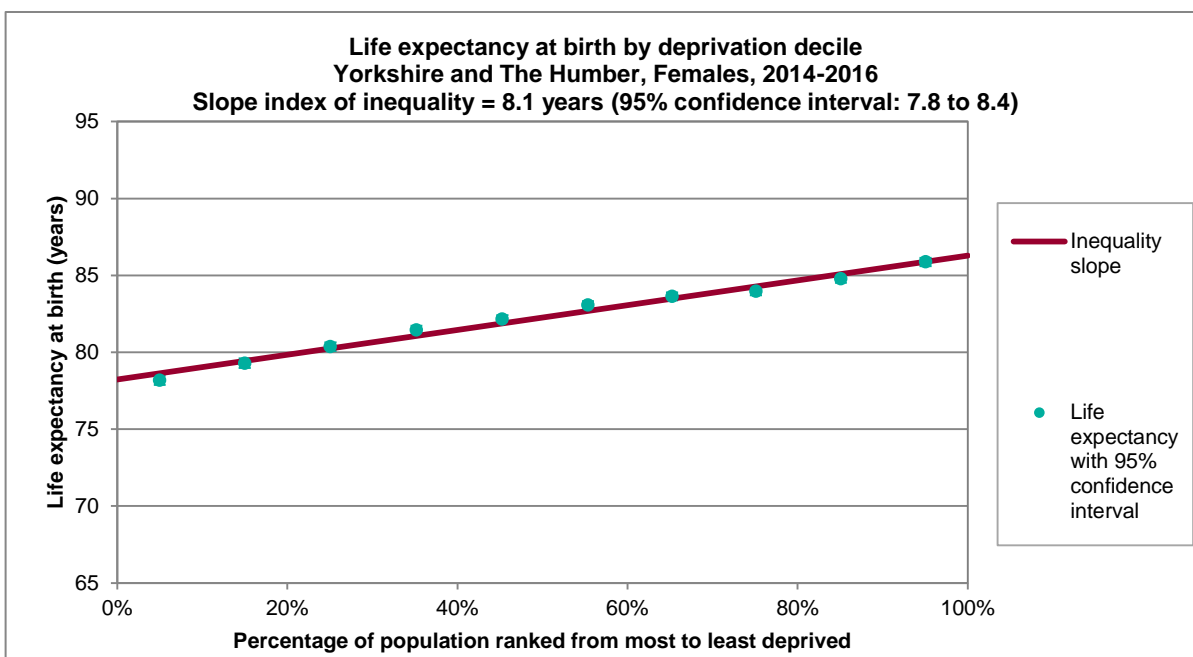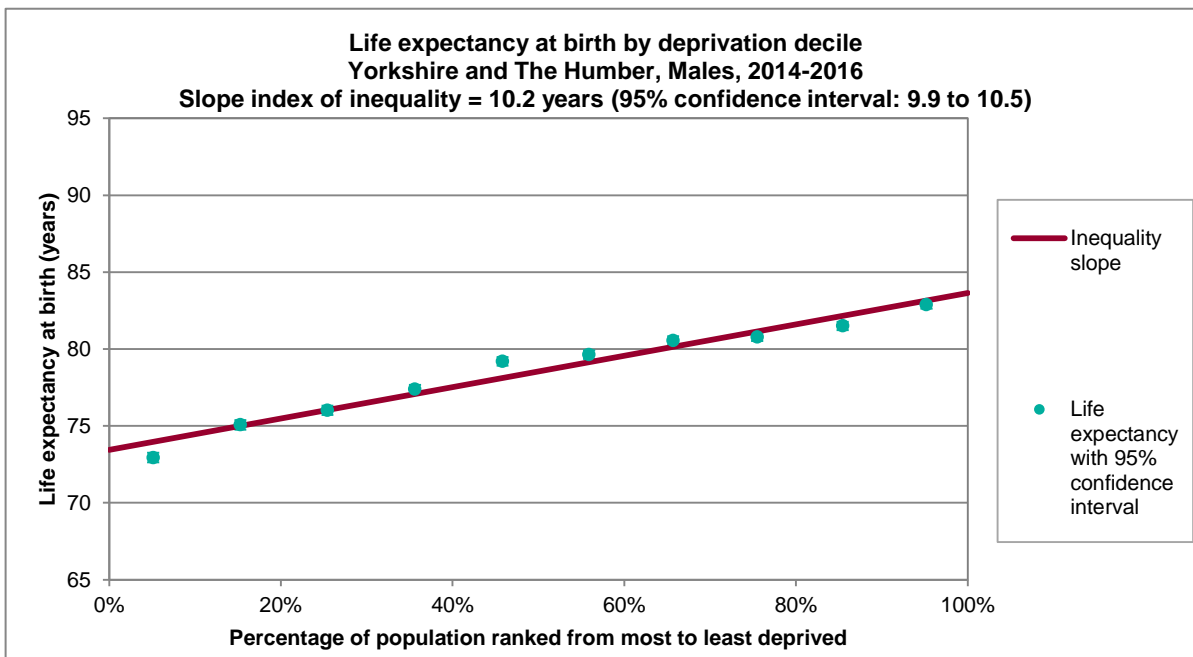
Public Health England

Slope index of inequality in life expectancy at birth within English local authorities, based on local deprivation deciles within each area, 2014-2016

Public Health Outcomes Framework Indicator 0.2iii

Yorkshire and The Humber (E12000003)

Life expectancy at birth by deprivation decile
Yorkshire and The Humber, Males, 2014-2016
Slope index of inequality = 10.2 years (95% confidence interval: 9.9 to 10.5)

Life expectancy at birth by deprivation decile
Yorkshire and The Humber, Females, 2014-2016
Slope index of inequality = 8.1 years (95% confidence interval: 7.8 to 8.4)

Deprivation decile	Males			Females		
	Life expectancy	95% CI	Population	Life expectancy	95% CI	Population
1	72.9	(72.6 , 73.3)	272,537	78.2	(77.9 , 78.5)	272,911
2	75.1	(74.8 , 75.4)	267,942	79.3	(79.0 , 79.6)	273,188
3	76.0	(75.7 , 76.3)	270,757	80.4	(80.1 , 80.7)	277,767
4	77.4	(77.1 , 77.7)	271,864	81.4	(81.2 , 81.7)	274,915
5	79.2	(78.9 , 79.5)	270,993	82.2	(81.9 , 82.4)	277,431
6	79.6	(79.4 , 79.9)	264,985	83.1	(82.8 , 83.3)	273,253
7	80.6	(80.3 , 80.8)	255,797	83.6	(83.4 , 83.9)	266,565
8	80.8	(80.5 , 81.1)	265,099	84.0	(83.7 , 84.2)	272,627
9	81.5	(81.2 , 81.8)	264,481	84.8	(84.5 , 85.0)	273,858
10	82.9	(82.6 , 83.2)	254,903	85.9	(85.6 , 86.2)	270,241

Note: Decile 1 is the most deprived decile. Population refers to the average of the mid-year population estimates for 2014-2016.

Sources: Office for National Statistics, mortality data and mid-year population estimates; Department for Communities and Local Government, Index of Multiple Deprivation 2015. Analysis by Public Health England's Knowledge and Intelligence Team (Epidemiology and Surveillance)