

Sefton Strategic Needs Assessment:

Health – Supporting Data

Health topics affecting Sefton residents

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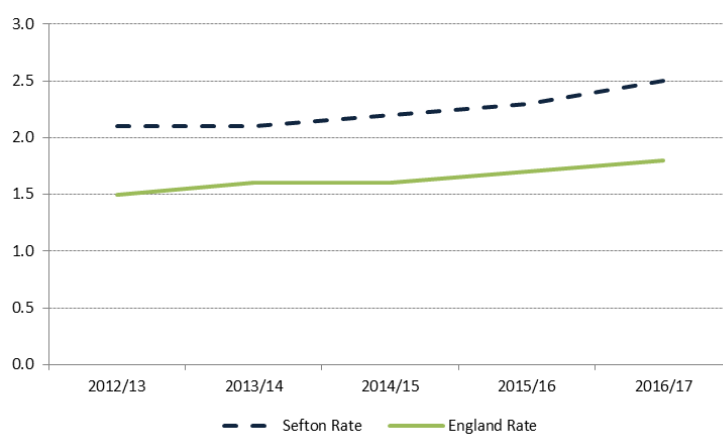
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Cardiovascular Diseases

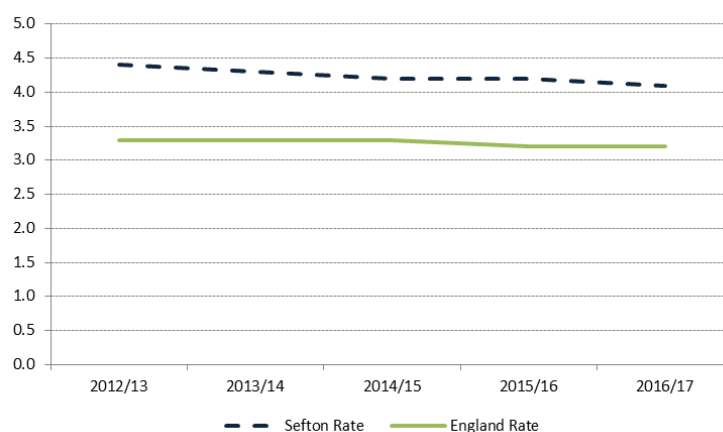
% of Atrial Fibrillation Prevalence as Recorded on Practice Disease Register (All Ages)

Period	Sefton Rate	England Rate
2012/13	2.1	1.5
2013/14	2.1	1.6
2014/15	2.2	1.6
2015/16	2.3	1.7
2016/17	2.5	1.8



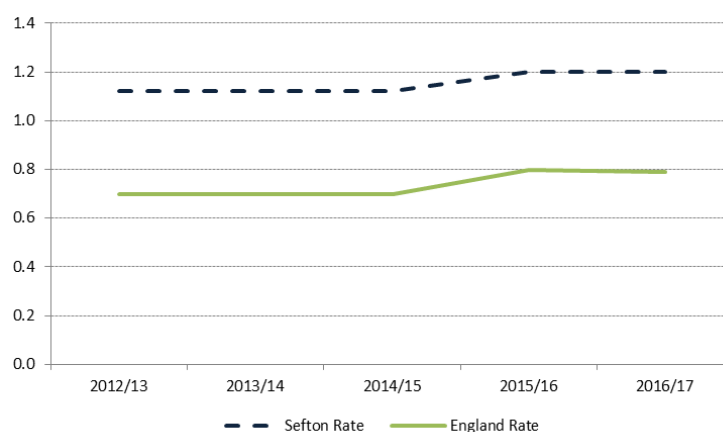
% of Coronary Heart Disease Prevalence as Recorded on Practice Disease Registers (All Ages)

Period	Sefton Rate	England Rate
2012/13	4.4	3.3
2013/14	4.3	3.3
2014/15	4.2	3.3
2015/16	4.2	3.2
2016/17	4.1	3.2



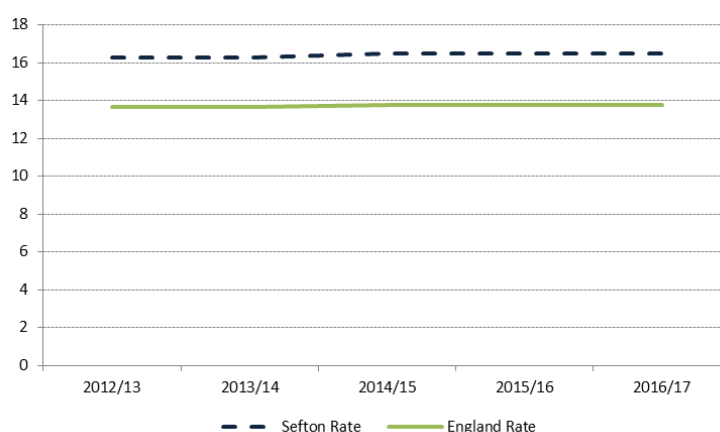
% of Heart Failure Prevalence as Recorded on Practice Disease Registers (All Ages)

Period	Sefton Rate	England Rate
2012/13	1.1	0.7
2013/14	1.1	0.7
2014/15	1.1	0.7
2015/16	1.2	0.8
2016/17	1.2	0.8

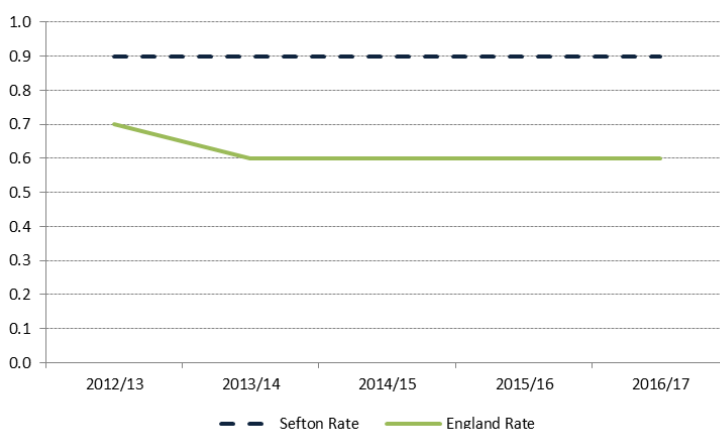


% of Hypertension Prevalence as Recorded on Practice Disease Registers (All Ages)

Period	Sefton Rate	England Rate
2012/13	16.3	13.7
2013/14	16.3	13.7
2014/15	16.5	13.8
2015/16	16.5	13.8
2016/17	16.5	13.8

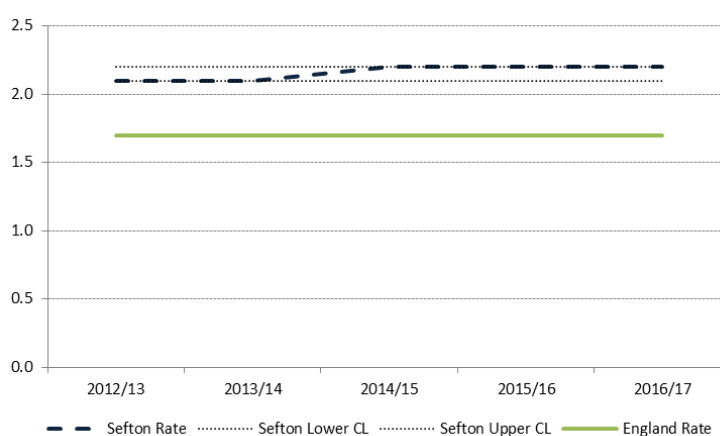
*% of Peripheral Arterial Disease Prevalence as Recorded on Practice Disease Registers (All Ages)*

Period	Sefton Rate	England Rate
2012/13	0.9	0.7
2013/14	0.9	0.6
2014/15	0.9	0.6
2015/16	0.9	0.6
2016/17	0.9	0.6

*% of Stroke Prevalence as Recorded on Practice Disease Register (All Ages)*

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	2.1	2.1	2.2	1.7
2013/14	2.1	2.1	2.2	1.7
2014/15	2.2	2.1	2.2	1.7
2015/16	2.2	2.1	2.2	1.7
2016/17	2.2	2.1	2.2	1.7

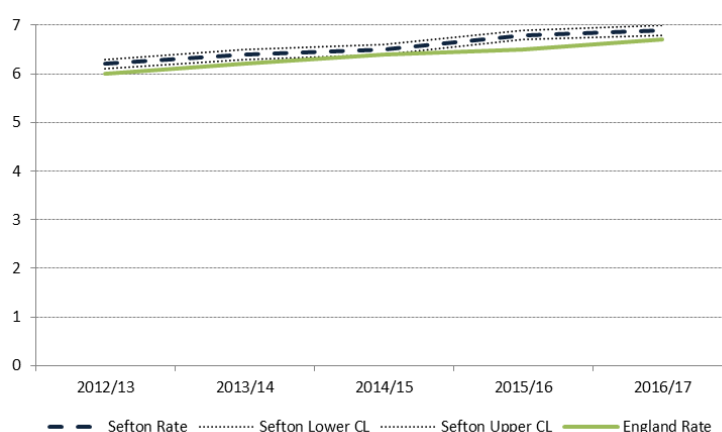
2012/13 value for Sefton and England are estimated figures



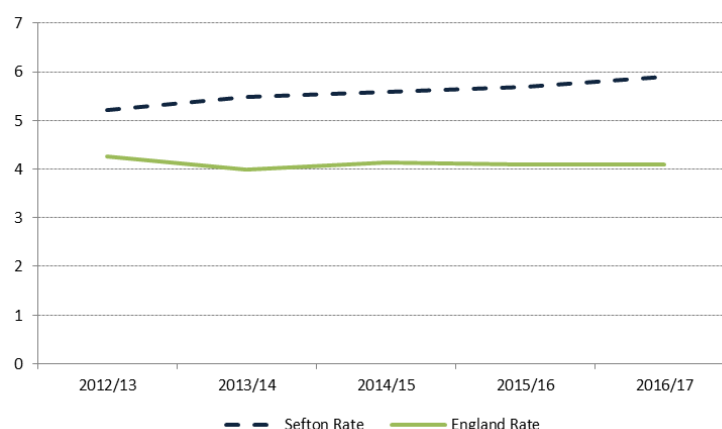
Recorded Diabetes (% of QOF Recorded Cases Registered with GP Aged 17+)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	6.2	6.1	6.3	6.0
2013/14	6.4	6.3	6.5	6.2
2014/15	6.5	6.4	6.6	6.4
2015/16	6.8	6.7	6.9	6.5
2016/17	6.9	6.8	7.0	6.7

2012/13 value for Sefton and England are estimated figures

*% of Chronic Kidney Disease Prevalence as Recorded on Practice Disease Registers (All Ages)*

Period	Sefton Rate	England Rate
2012/13	5.2	4.3
2013/14	5.5	4.0
2014/15	5.6	4.1
2015/16	5.7	4.1
2016/17	5.9	4.1

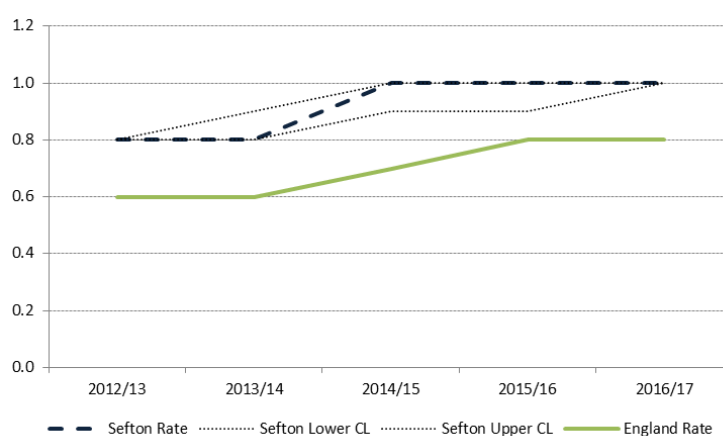


Cardiovascular disease is a general term for a group of diseases that affect the heart and blood vessels. They include coronary heart disease (CHD), stroke, peripheral arterial disease, chronic kidney disease (CKD) and diabetes. The prevalence of cardiovascular diseases (as measured on GP practice registers) is higher for Sefton than England as a whole. In 2016/17: 11,400 patients had been identified with CHD, 45,616 with hypertension, 15,665 with diabetes and 12,621 with CKD by Sefton GP practices. However, the actual prevalence of cardiovascular diseases in Sefton is likely to be higher than these figures as not all cases will be known to GPs.

Dementia

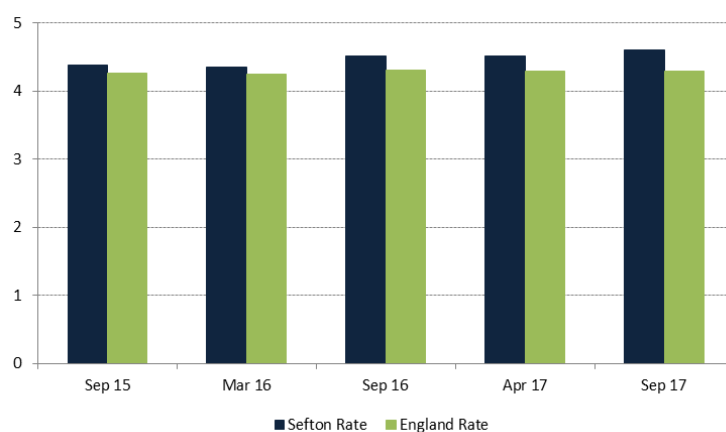
Dementia Prevalence (% of Patients Registered on Practice Disease Register All Ages)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	0.8	0.8	0.8	0.6
2013/14	0.8	0.8	0.9	0.6
2014/15	1.0	0.9	1.0	0.7
2015/16	1.0	0.9	1.0	0.8
2016/17	1.0	1.0	1.0	0.8



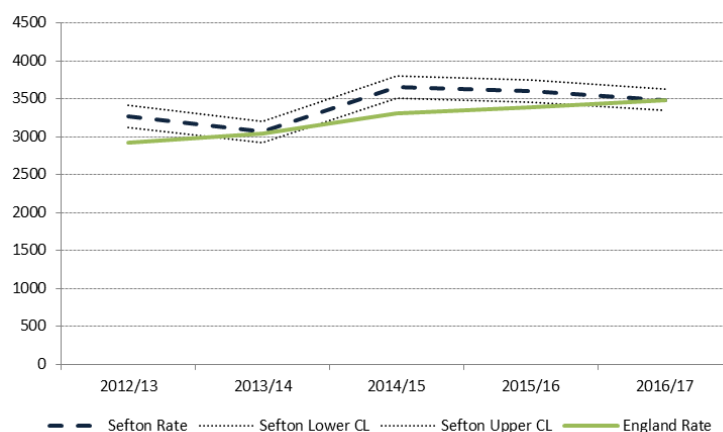
% with Dementia Recorded Prevalence Aged 65+ (of those on Practice Register)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
Sep 15	4.4	4.2	4.6	4.3
Mar 16	4.4	4.2	4.5	4.3
Sep 16	4.5	4.4	4.7	4.3
Apr 17	4.5	4.4	4.7	4.3
Sep 17	4.6	4.4	4.8	4.3



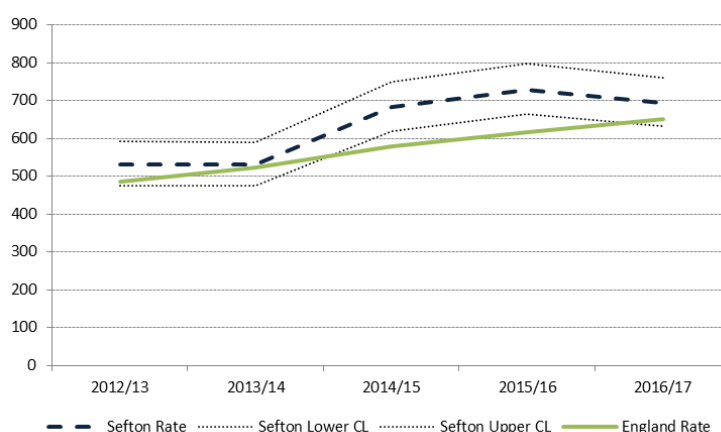
Emergency Hospital Admissions for Dementia those Aged 65+ (Directly Standardised Rate per 100,000)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	3273	3132	3420	2924
2013/14	3067	2931	3207	3047
2014/15	3659	3513	3810	3306
2015/16	3609	3464	3758	3387
2016/17	3489	3348	3634	3482



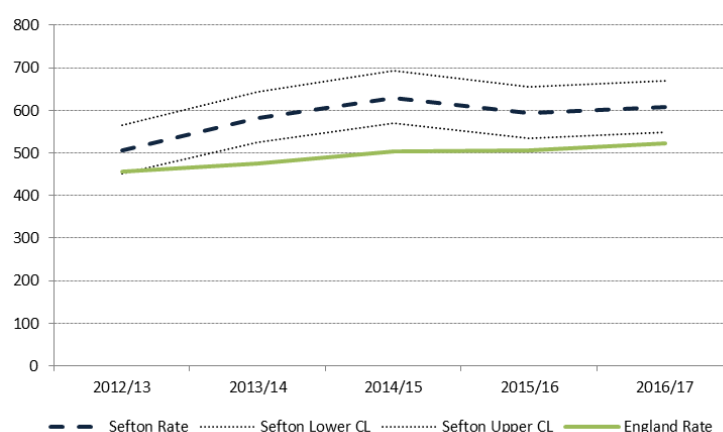
Inpatient Admissions for Alzheimer's Disease Aged 65+ (Directly Standardised Rate per 100,000)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	531.7	475.8	592.4	486.3
2013/14	531.1	475.5	591.3	523.0
2014/15	683.4	621.0	750.4	579.5
2015/16	730.4	665.9	799.4	616.7
2016/17	694.6	632.3	761.4	652.1



Inpatient Admissions for Vascular Dementia Aged 65+ (Directly Standardised Rate per 100,000)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	506.8	452.5	565.9	455.4
2013/14	581.7	523.7	644.3	474.3
2014/15	629.9	570.0	694.3	503.8
2015/16	593.0	535.2	655.3	505.5
2016/17	607.4	549.5	669.6	523.3



Dementia is a term used to describe a group of symptoms associated with a decline in brain function. Those with dementia may experience problems with memory, thinking speed, language, judgement, understanding or mood for example. Alzheimer's disease and vascular dementia make up the majority of cases but there are many different types and causes of dementia.

Dementia prevalence in Sefton has been estimated to be slightly higher than for England as a whole. At September 2017 approximately 4.6% of patients over 65 who were registered with a Sefton GP had been diagnosed with dementia. This equates to approximately 2,800 people aged over 65. However estimates by Oxford Brookes University and the Institute of Public Care suggest this is a large underestimate and that roughly 4,600 over 65s are currently living with dementia in Sefton.

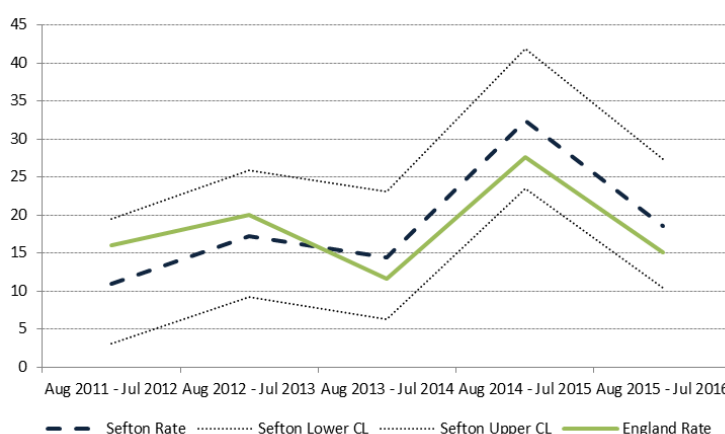
The number of people on dementia registers has increased both in Sefton and nationally. With improving healthcare and people living longer this trend is predicted to continue. The number of over 65s living with dementia in Sefton is predicted to rise to 5,000 by 2020 and to over 7,000 by 2035.

Dementia is a costly condition, placing a large burden on our health and social care system. People with dementia have been found to be more likely to be admitted to hospital for an avoidable reason. Sefton's rate of emergency admissions in over 65s due to dementia is higher than the national average as are rates of inpatient admission for Alzheimer's disease and Vascular Dementia.

Excess Winter Deaths

Excess Winter Death (Ratio)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
Aug 2011 - Jul 2012	11	3.1	19.5	16.1
Aug 2012 - Jul 2013	17.3	9.3	25.9	20.1
Aug 2013 - Jul 2014	14.4	6.3	23.1	11.6
Aug 2014 - Jul 2015	32.4	23.5	41.9	27.7
Aug 2015 - Jul 2016	18.6	10.4	27.4	15.1

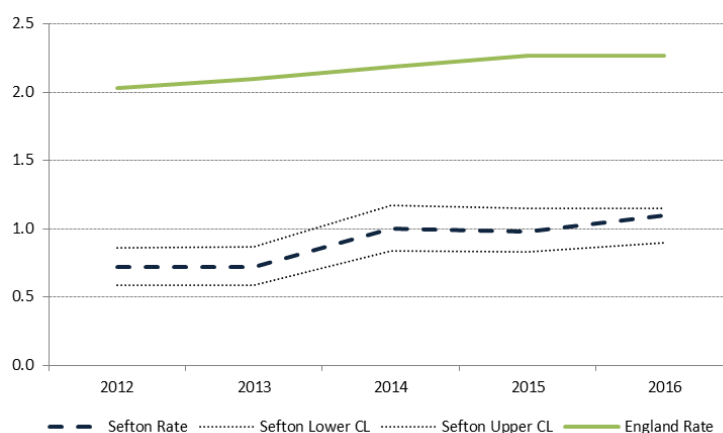


In England the number of deaths peaks in the colder winter months. Excess Winter Mortality in Sefton dropped back to average levels in 2015/16 following a sharp increase in 2014/15. This is similar to the national picture. In Sefton the very elderly female population have been found to be particularly vulnerable to winter mortality and respiratory diseases are the main underlying cause.

Human Immunodeficiency Virus (HIV)

HIV Diagnosed Prevalence Aged 15-59 (Crude rate per 100,000)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012	0.7	0.6	0.9	2.0
2013	0.7	0.6	0.9	2.1
2014	1.0	0.8	1.2	2.2
2015	1.0	0.8	1.2	2.3
2016	1.1	0.9	1.2	2.3



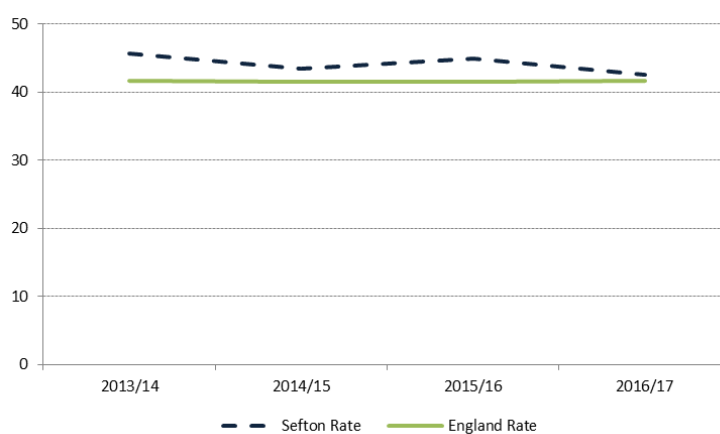
The diagnosed prevalence rate of HIV in Sefton has been estimated to be 1.1 per 100,000 residents aged 15-59 years. This is significantly lower than the North West (1.9) and England (2.3) rates. In 2016, there were 11 newly diagnosed cases of HIV for Sefton, a rate of 4.8 per 100,000 residents aged 15 years or older. Most new diagnoses were amongst the 25-34 age group.

Stage of diagnosis is a key predictor of HIV-related outcomes. People diagnosed with HIV late have a ten-fold increased risk of death in the year following diagnosis compared to those diagnosed promptly. In Sefton, the proportion of people diagnosed with HIV at a late stage (CD4 count <350 cells/mm³ within 3 months of diagnosis) was 54.8% for the 2014 to 2016 period. This compares to 40.1% for England and 46.8% for the North West.

Hospital Admissions

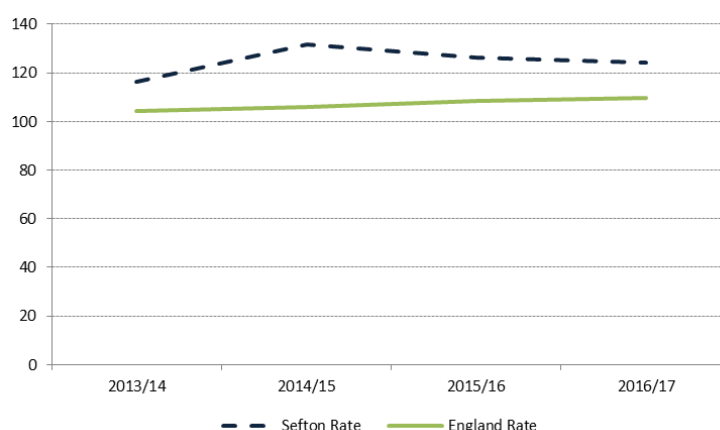
Elective Hospital Admissions for All Sefton Residents (Crude Rate per 1,000 Population)

Period	Sefton		England
	Count	Rate	Rate
2013/14	12476	45.7	41.7
2014/15	11882	43.4	41.5
2015/16	12284	44.9	41.5
2016/17	11665	42.5	41.7
2017/18	10570	38.5	42.3



Non-Elective Hospital Admissions for Sefton Residents (Crude Rate per 100,000 Population)

Period	Sefton		England
	Count	Rate	Rate
2013/14	31797	116.4	104.2
2014/15	35960	131.5	105.8
2015/16	34531	126.2	108.3
2016/17	34113	124.4	109.8
2017/18	35690	130.1	113.8



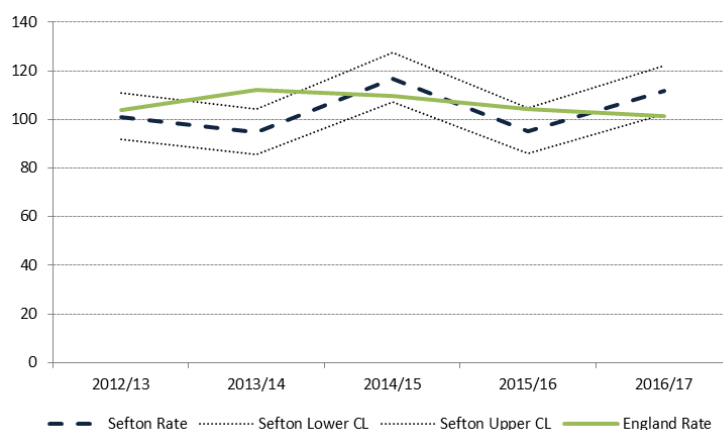
Based on changing population numbers and age structures it is predicted that the number of people being admitted to hospital for a planned procedure will increase. However, planned (elective) admissions have shown overall reductions for Sefton between 2013/14 and 2017/18 to just over 10,500 admissions. Currently the top reasons for planned admissions amongst Sefton adults are major knee and hip procedures, accounting for 12% of planned admissions for Sefton patients during 2016/17.

The number of unplanned (non-elective or emergency) hospital admissions amongst Sefton residents has fluctuated across the past five years, with a rise seen from 2016/17 to 2017/18. The top cause of unplanned admissions to hospital for Sefton adults in 2016/17 was non-interventional acquired cardiac conditions (5% of admissions) followed by Lobar, Atypical or Viral Pneumonia (3% of admissions).

Hospital Admissions - Children

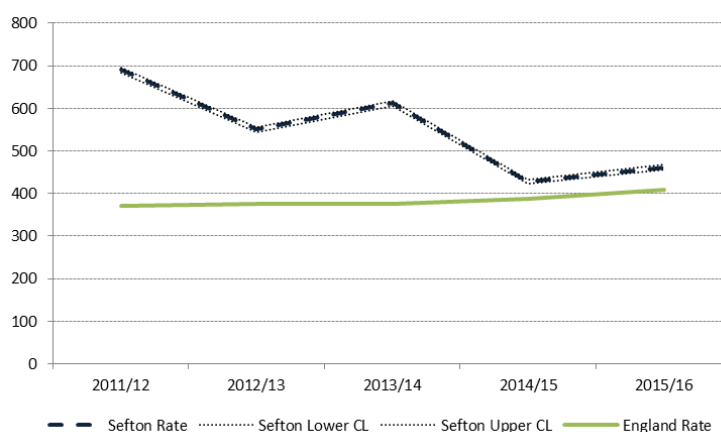
Hospital Admissions Caused by Unintentional and Deliberate Injuries in Children Aged 0 - 14 (Crude Rate per 1,000 0 - 14 Population)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	100.9	91.7	110.8	103.9
2013/14	94.8	85.8	104.4	112.2
2014/15	116.9	107.0	127.5	109.6
2015/16	95.2	86.2	104.7	104.2
2016/17	111.8	102.2	122.1	101.5



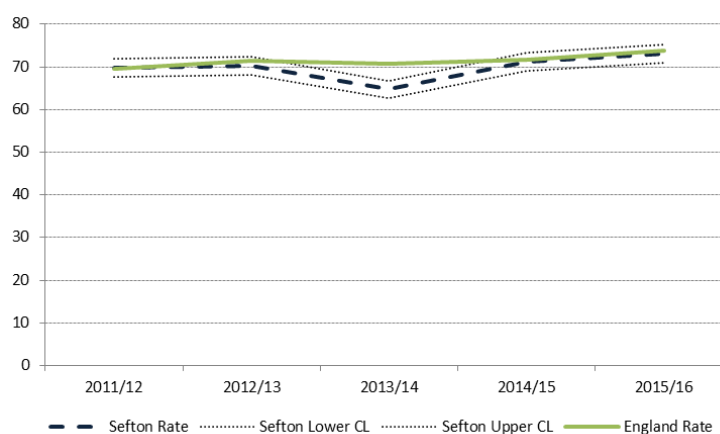
A & E Attendances by 0 - 19 Year Olds (Crude Rate per 1,000 0 - 19 Population)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2011/12	689.9	683.4	696.6	370.5
2012/13	550.7	544.8	556.6	376.5
2013/14	612.6	606.4	618.1	375.2
2014/15	427.1	421.8	432.3	387.1
2015/16	461.4	455.9	466.9	408.5



Emergency Hospital Admissions 0-19 Year Olds (Crude Rate per 1,000 0 - 19 Population)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2011/12	69.8	67.7	72.0	69.6
2012/13	70.3	68.2	72.4	71.5
2013/14	64.7	62.6	66.7	70.8
2014/15	71.2	69.1	73.4	71.8
2015/16	73.1	70.9	75.3	73.8



Each year there are around 400-500 emergency hospital admissions caused by unintentional and deliberate injuries to children aged 14 and under. At 111.8 per 1,000 population, the Sefton rate has increased compared to the previous year yet is still not significantly different to the national rate (101.5)

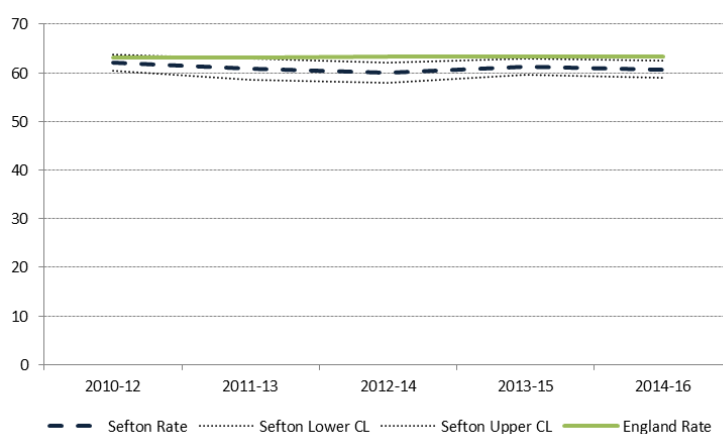
The rate of Accident and Emergency (A&E) attendances in 0-19 year olds in Sefton has also declined, by 33% between 2011/12 and 2015/16. Despite this the Sefton rate has consistently been significantly higher than the England average (408.5)

Sefton's rate of emergency hospital admissions in 0-19 year olds has increased over the last couple of years, from a low of 64.7 per 1,000 population in 2013/14 to 73.1 per 1,000 in 2015/16. However Sefton remains in line with the national rate (73.8).

Life Expectancy

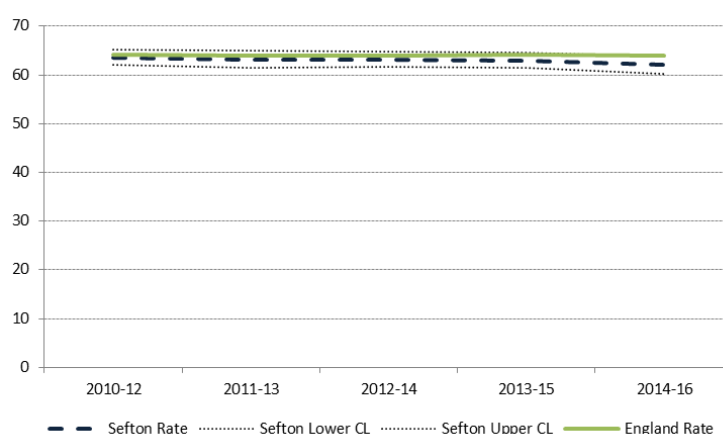
Healthy Life Expectancy at Birth (Male)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	62.2	60.5	63.8	63.2
2011-13	60.8	58.5	63.0	63.2
2012-14	60.0	58.0	62.0	63.4
2013-15	61.2	59.6	62.9	63.4
2014-16	60.7	59.0	62.5	63.3



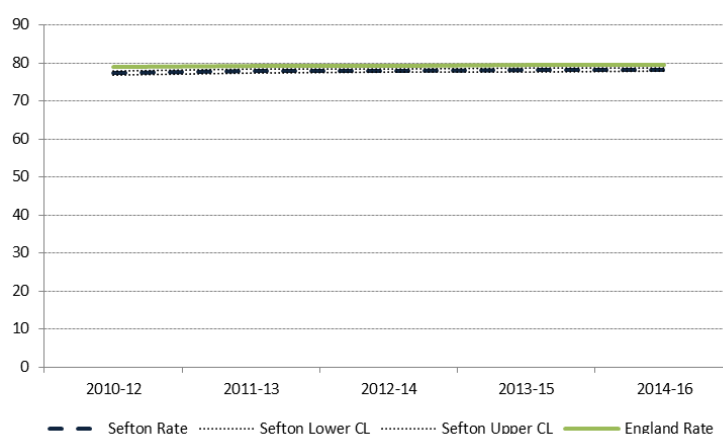
Healthy Life Expectancy at Birth (Female)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	63.6	62.0	65.3	64.1
2011-13	63.2	61.5	65.0	63.9
2012-14	63.2	61.7	64.8	63.9
2013-15	63.0	61.4	64.6	64.1
2014-16	62.0	60.2	63.7	63.9



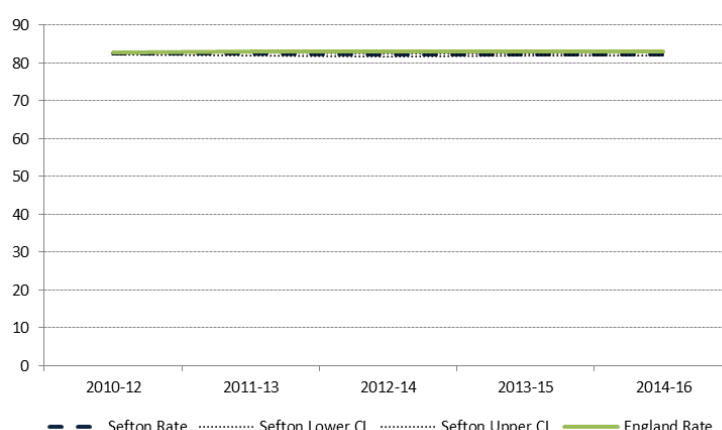
Life Expectancy at Birth (Male)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	77.4	77.0	77.9	79.1
2011-13	78.0	77.5	78.4	79.3
2012-14	78.0	77.6	78.4	79.4
2013-15	78.3	77.8	78.7	79.5
2014-16	78.3	77.9	78.7	79.5



Life Expectancy at Birth (Female)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	82.6	82.2	83.0	82.9
2011-13	82.4	82.0	82.8	83.0
2012-14	82.2	81.8	82.6	83.1
2013-15	82.2	81.9	82.6	83.1
2014-16	82.3	81.9	82.7	83.1



Life expectancy (LE) at birth in 2014-16 has remained stable for males and increased slightly for females in Sefton. Life expectancy at birth in Sefton is 82.3 years for females and 78.3 years for males.

The gap between male and female life expectancy has decreased overall, across the last five time periods in Sefton. In 2014-16, the difference between male and female life expectancy in Sefton was 4 years, with the 2010-12, the difference between Sefton's male and female life expectancy being 5.2 years. However, there has been a minimal increase (0.1 years) when comparing the current period to 2013-15.

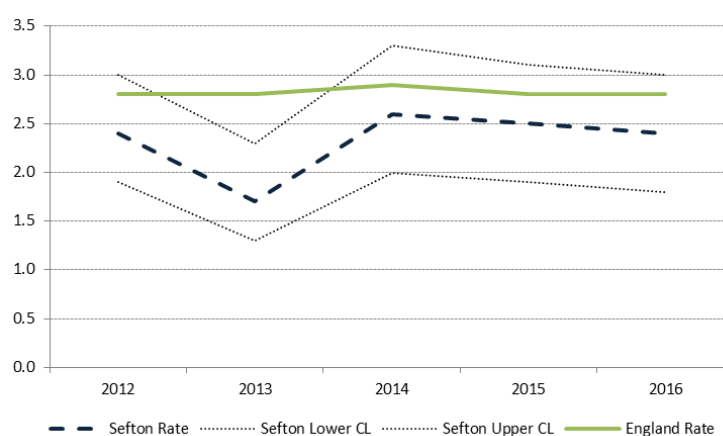
The male healthy life expectancy (HLE) at birth for Sefton (60.7) is significantly lower than the England average (63.3) but not significantly different to the North West (60.9). There is a gap of nearly 18 years between male LE and HLE in Sefton meaning an estimated 18 years will be spent in 'Not Good' health.

The Sefton HLE at birth for females is higher than the male HLE at 62.0. However females in Sefton are estimated to spend over two more years of their life in 'not good' health than men. The difference between LE and HLE for females is 20. The Sefton HLE at birth for females has become significantly different to the England in 2014-16 (for the first time in the last six years), there remains no significant difference between Sefton and the North West averages.

Low Birth Weight

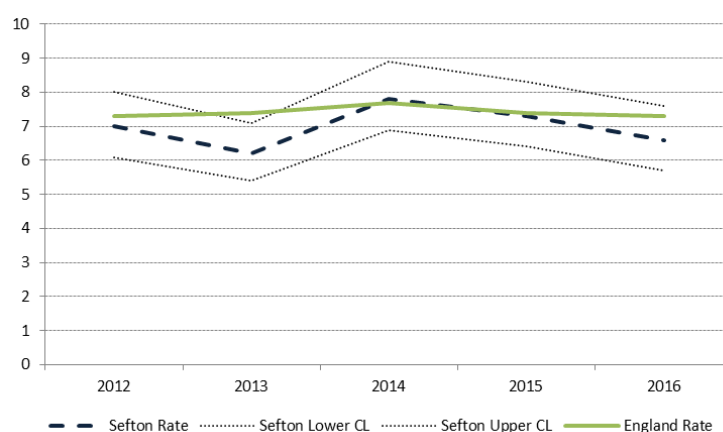
Proportion of Low Birth Weight of Term Babies (of all Full Term Births)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012	2.4	1.9	3.0	2.8
2013	1.7	1.3	2.3	2.8
2014	2.6	2.0	3.3	2.9
2015	2.5	1.9	3.1	2.8
2016	2.4	1.8	3.0	2.8



Proportion of Low Birth Weight of All Babies (of all Births)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012	7.0	6.1	8.0	7.3
2013	6.2	5.4	7.1	7.4
2014	7.8	6.9	8.9	7.7
2015	7.3	6.4	8.3	7.4
2016	6.6	5.7	7.6	7.3

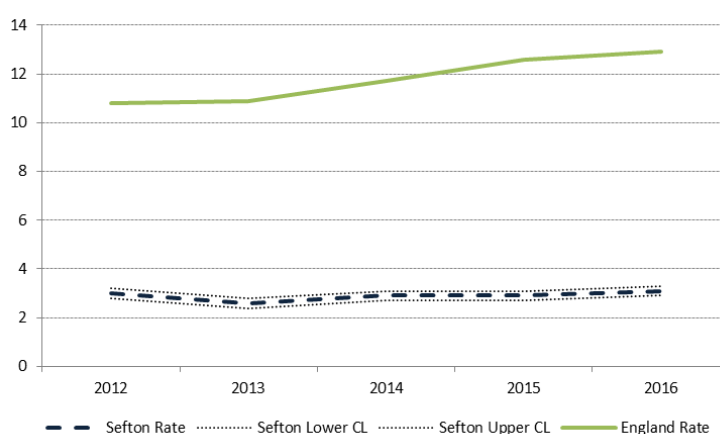


Low birth weight (under 2500g) not only increases the risk of mortality and illness in infants but is a risk factor for diseases such as diabetes and heart disease in later life. Despite year on year variation, Sefton's percentage of low birth weight babies tends to remain around 7%. Sefton's overall rate for 2016 is 6.6%, lower than the England average (7.3%). Low birth weight is often linked to prematurity. In fact, if only babies born at term are considered, Sefton's rate of low weight babies drops to 2.5% in 2105, there is a further drop to 2.4% in 2016. Low weight births tend to be more common amongst Sefton's most deprived communities.

Migrant GP Registration

Migrant GP Registration (Crude rate per 1,000)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012	3.0	2.8	3.2	10.8
2013	2.6	2.4	2.8	10.9
2014	2.9	2.7	3.1	11.7
2015	2.9	2.7	3.1	12.6
2016	3.1	2.9	3.3	12.9



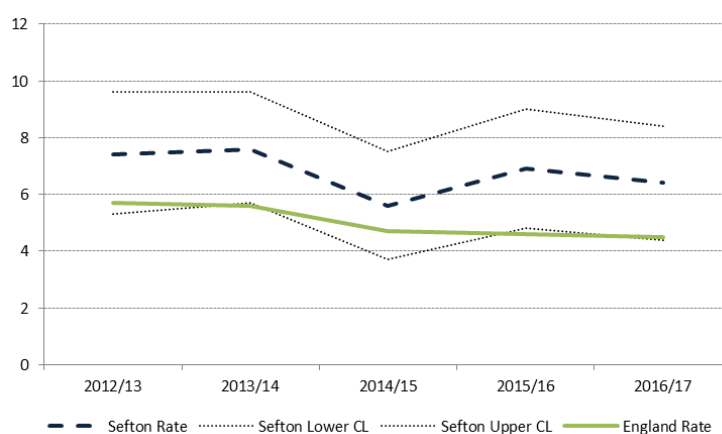
The term migrant refers to people born outside the UK and therefore encompasses a diverse group of individuals and experiences (for example asylum seekers, refugees, economic migrants and international students). As such, different groups of migrants may have very different health needs. However, evidence suggests that overall non-UK born individuals residing in the UK have poorer health outcomes compared to UK born residents.

In 2016 there were approximately 850 new migrant GP registrations, giving a rate of 3.1 per 1,000 population. This is much lower than the national average of 12.9 per 1,000 population.

Mental Well Being

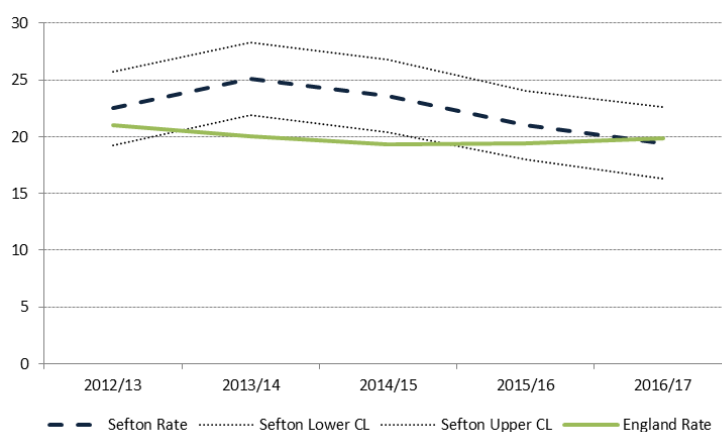
% Self-Reported Wellbeing - People with Low Life Satisfaction Score

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	7.4	5.3	9.6	5.7
2013/14	7.6	5.7	9.6	5.6
2014/15	5.6	3.7	7.5	4.7
2015/16	6.9	4.8	9.0	4.6
2016/17	6.4	4.4	8.4	4.5



% Self-Reported Wellbeing - People with a High Anxiety Score

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	22.5	19.2	25.7	21.0
2013/14	25.1	21.9	28.3	20.0
2014/15	23.6	20.4	26.8	19.3
2015/16	21.0	18.0	24.0	19.4
2016/17	19.4	16.3	22.6	19.9

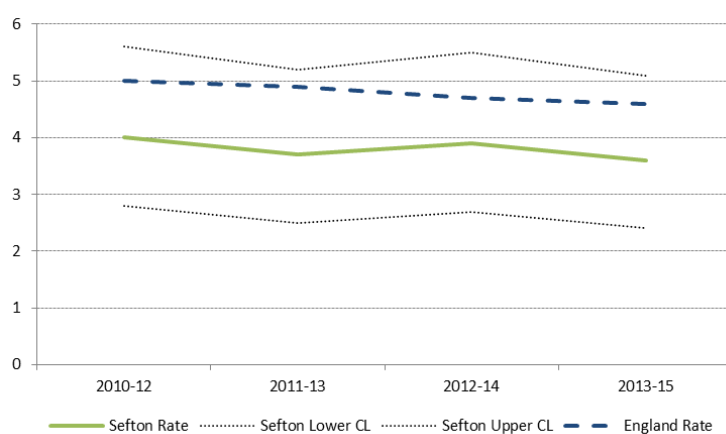


The Office of National Statistics has been working to develop new national measures of well-being. The latest survey results (2016/17) found Sefton residents reported poorer well-being than England overall. In particular the percentage of Sefton respondents with a low life satisfaction score was significantly higher than the national rate.

Mortality

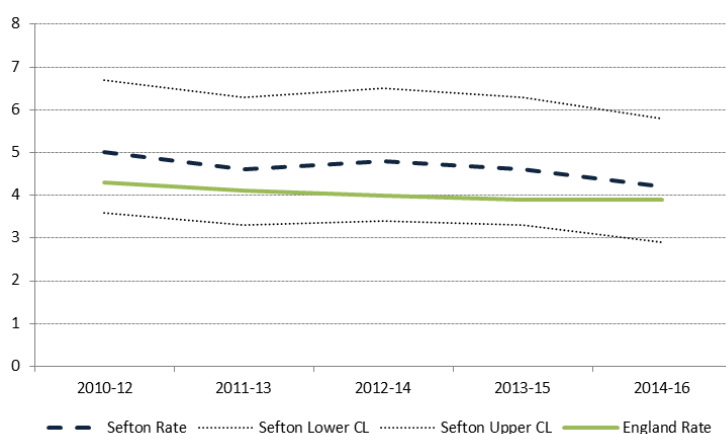
Still Births (Crude rate per 1,000 births)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	4.0	2.8	5.6	5.0
2011-13	3.7	2.5	5.2	4.9
2012-14	3.9	2.7	5.5	4.7
2013-15	3.6	2.4	5.1	4.6
2014-16	4.2	2.9	5.8	4.5



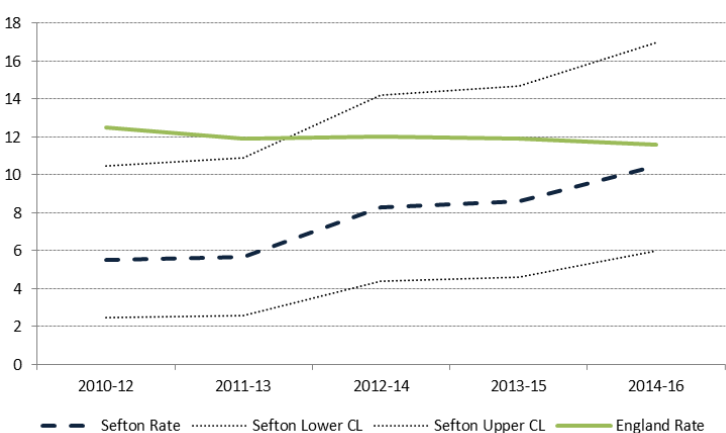
Infant Mortality (Crude rate per 100,000 under 1)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	5.0	3.6	6.7	4.3
2011-13	4.6	3.3	6.3	4.1
2012-14	4.8	3.4	6.5	4.0
2013-15	4.6	3.3	6.3	3.9
2014-16	4.2	2.9	5.8	3.9



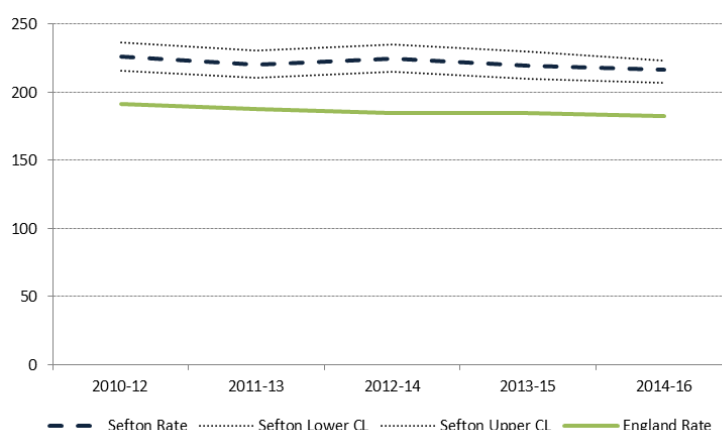
Child Mortality (Directly Standardised Rate per 100,000 1-17)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	5.5	2.5	10.5	12.5
2011-13	5.7	2.6	10.9	11.9
2012-14	8.3	4.4	14.2	12.0
2013-15	8.6	4.6	14.7	11.9
2014-16	10.5	6.0	17.0	11.6

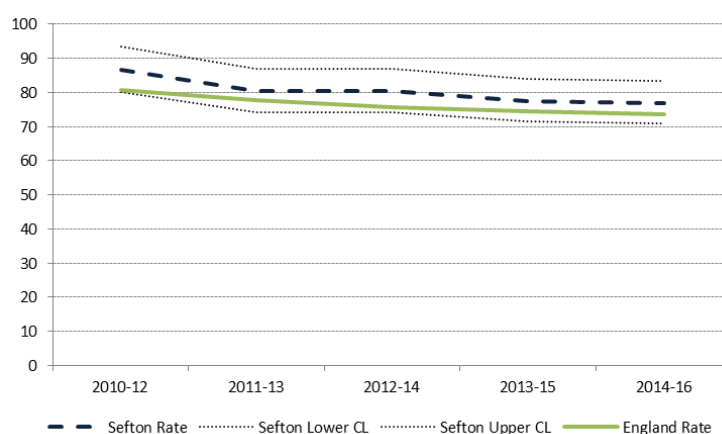


Mortality from Causes Considered Preventable (Directly Standardised Rate per 100,000)

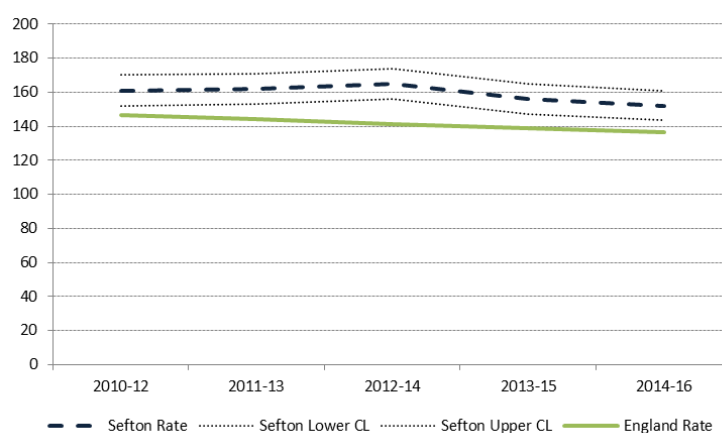
Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	226.2	216.2	236.7	191.4
2011-13	220.2	210.4	230.5	187.4
2012-14	224.8	214.8	235.1	185.1
2013-15	219.8	209.9	230.0	184.5
2014-16	216.6	206.8	223.0	182.8

*Under 75 Mortality from All Cardiovascular Diseases (Directly Standardised Rate per 100,000 0-74)*

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	86.6	80.1	93.4	80.8
2011-13	80.4	74.2	87.0	77.8
2012-14	80.3	74.1	86.8	75.7
2013-15	77.5	71.4	83.9	74.6
2014-16	76.9	70.9	83.3	73.5

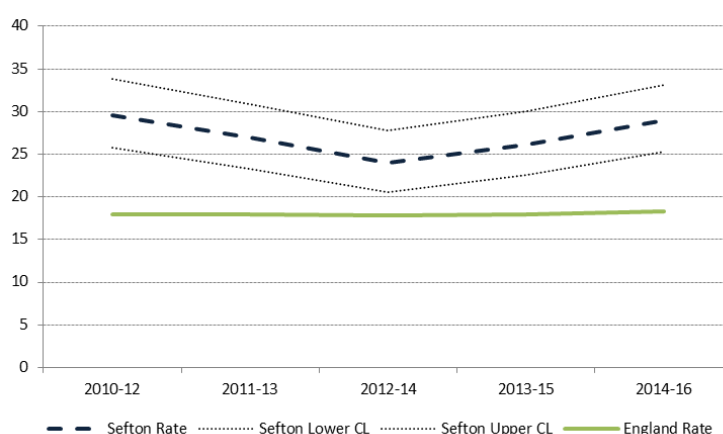
*Under 75 Mortality from Cancer (Directly Standardised Rate per 100,000 0-74)*

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	160.9	152.0	170.1	146.5
2011-13	161.9	153.1	171.1	144.4
2012-14	164.9	156.0	174.1	141.5
2013-15	155.9	147.3	164.9	138.8
2014-16	152.2	143.7	161.0	136.8

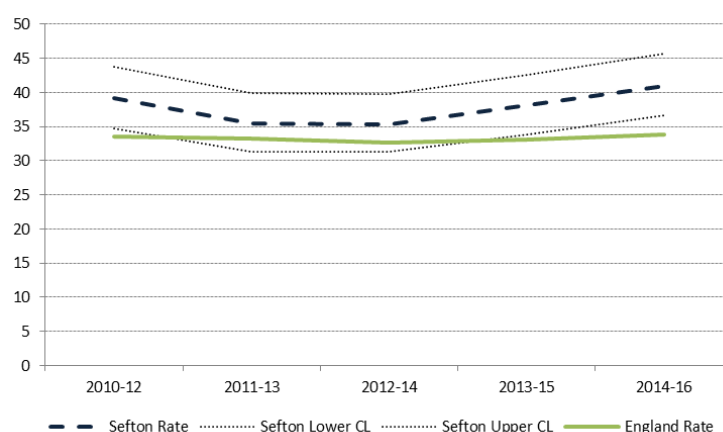


Under 75 Mortality from Liver Disease (Directly Standardised Rate per 100,000 0-74)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	29.6	25.8	33.8	18.0
2011-13	26.9	23.3	30.9	17.9
2012-14	24.0	20.6	27.8	17.8
2013-15	26.1	22.6	30.0	18.0
2014-16	29.0	25.3	33.1	18.3

*Under 75 Mortality from Respiratory Disease (Directly Standardised Rate per 100,000 0-74)*

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	39.1	34.8	43.8	33.5
2011-13	35.4	31.3	39.9	33.2
2012-14	35.3	31.3	39.8	32.6
2013-15	38.1	33.9	42.6	33.1
2014-16	41.0	36.6	45.7	33.8



Infant rate for Sefton is similar to the England average. Sefton's Infant Mortality Rate has remained around 4.0 to 5.0 per 1000 live births in recent years. Figures for 2014-16 show that infant mortality has decreased compared to 2013-15. It should be noted that there are less than 20 infant (under 1 year) deaths in Sefton per year. Sefton's stillbirth rate has also remained stable, with an average of 12 stillbirths to Sefton mothers each year. Child mortality within Sefton in 2014-16 is lower than the rate seen across England, however, there has been a considerable increase when compared to 2013-15.

For adults, mortality rates tend to be higher for Sefton than for England as a whole. Cancers are the largest single cause of death in Sefton (29% of deaths) followed by diseases of the circulatory system (23%).

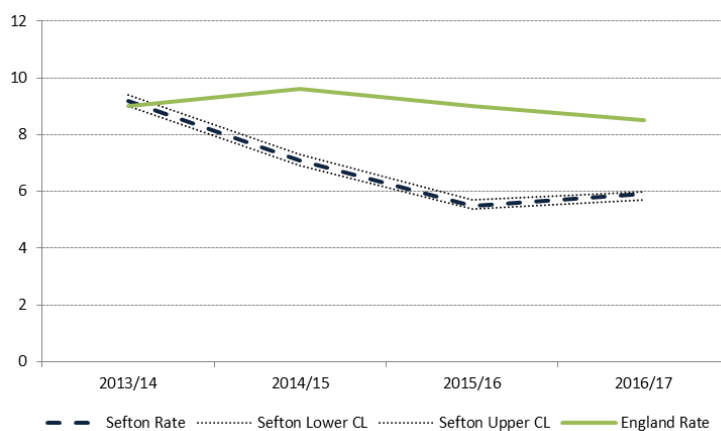
Sefton's rate of mortality from causes considered preventable has decreased over the past decade but has been significantly worse than the England average since 2001-03. Improvements have been seen in Sefton's under 75 mortality rates for cancer and cardiovascular disease. However, deaths in under 75s due to liver disease and respiratory disease have recently increased. Sefton is ranked the 16th highest of 150 local authorities for deaths due to liver disease.

NHS Health Check

% of the Eligible Population Aged 40 – 74 Receiving a NHS Health Check

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2013/14	9.2	9	9.4	9.0
2014/15	7.1	6.9	7.3	9.6
2015/16	5.5	5.4	5.7	9.0
2016/17	5.9	5.7	6	8.5

2012/13 value for Sefton and England are estimated figures



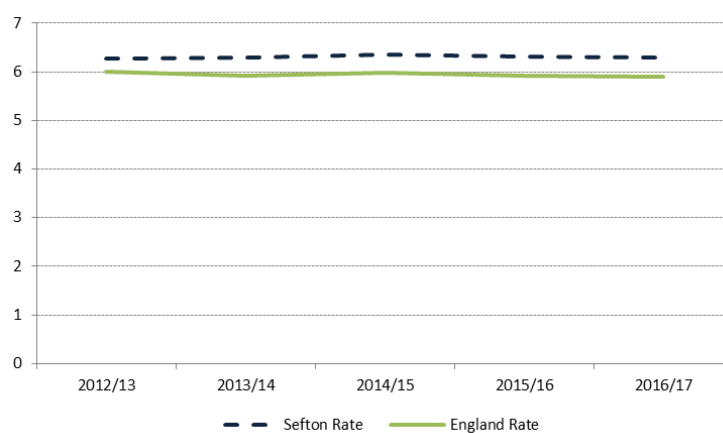
The NHS Health Check programme aims to detect and prevent heart disease, diabetes, kidney disease, stroke and dementia. People aged 40-74 who have not already been diagnosed with one of these conditions are invited to a health check every five years to assess their risk of developing cardiovascular disease.

Nationally uptake of the NHS health check has decreased since the programme's inception. Uptake in Sefton has also declined, however at a much steeper rate. The proportion of Sefton's eligible population receiving a NHS Health Check decreased by over a third between 2013/14 and 2016/17. In 2016/17 5.9% of Sefton residents eligible to receive a health check did so compared with 8.5% nationally.

Respiratory Disease

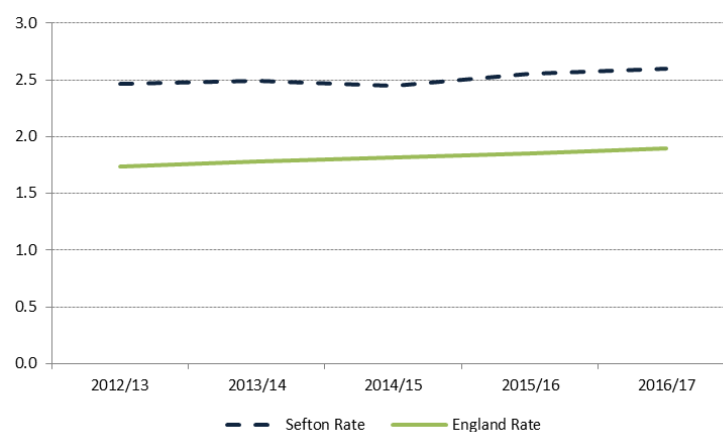
% of Asthma Prevalence as Recorded on Practice Disease Register (All Ages)

Period	Sefton Rate	England Rate
2012/13	6.3	6.0
2013/14	6.3	5.9
2014/15	6.3	6.0
2015/16	6.3	5.9
2016/17	6.3	5.9



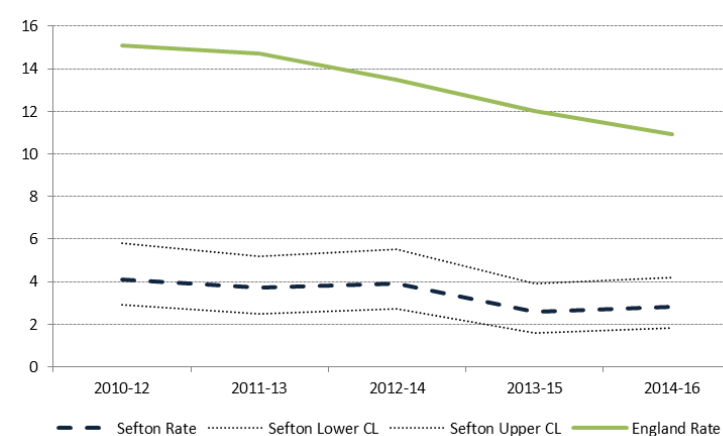
% of Chronic Obstructive Pulmonary Disease Prevalence as Recorded on Practice Disease Register (All Ages)

Period	Sefton Rate	England Rate
2012/13	2.5	1.7
2013/14	2.5	1.8
2014/15	2.4	1.8
2015/16	2.6	1.9
2016/17	2.6	1.9



Incidence of Tuberculosis (Crude rate per 100,000)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	4.1	2.9	5.8	15.1
2011-13	3.7	2.5	5.2	14.7
2012-14	3.9	2.7	5.5	13.5
2013-15	2.6	1.6	3.9	12.0
2014-16	2.8	1.8	4.2	10.9



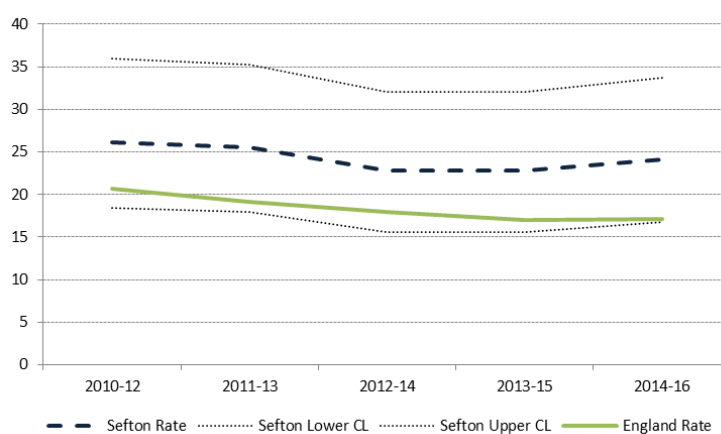
Respiratory diseases are the third highest cause of death in Sefton, responsible for 14% of all deaths. Respiratory diseases include acute infections such as pneumonia and bronchitis as well as chronic conditions such as Chronic Obstructive Pulmonary Disease (COPD) and asthma.

GP practice registers show that Sefton has higher levels of chronic respiratory conditions such as asthma and COPD than England as a whole. However the actual prevalence of these conditions may be even higher. Modelled estimates suggest the COPD prevalence for Sefton is 3.7%, equating to approximately 2,430 undiagnosed cases of COPD in Sefton.

Road Traffic Incidents

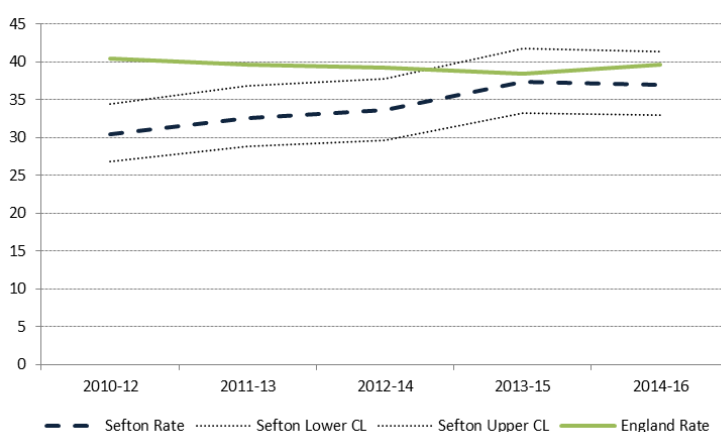
Children Killed and Seriously Injured on Roads (Crude Rate per 100,000 Population 0-15)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	26.1	18.4	36	20.7
2011-13	25.5	17.9	35.3	19.1
2012-14	22.8	15.6	32.1	17.9
2013-15	22.8	15.6	32.1	17.0
2014-16	24.1	16.7	33.7	17.1



Killed and Seriously Injured on Roads (Crude rate per 100,000 Population)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2010-12	30.4	26.8	34.4	40.5
2011-13	32.6	28.8	36.8	39.7
2012-14	33.6	29.7	37.8	39.3
2013-15	37.4	33.3	41.8	38.5
2014-16	37	33	41.4	39.7



Sefton's rate of people killed and seriously injured on roads has increased by 22% since 2010-12 and is now not significantly different to the national rate. Prior to 2013-15 Sefton's rate was consistently significantly lower than the England average.

The rate of children aged 0 to 15 killed or seriously injured on roads has remained stable around 24 per 100,000 and is not significantly different to national or regional rates.

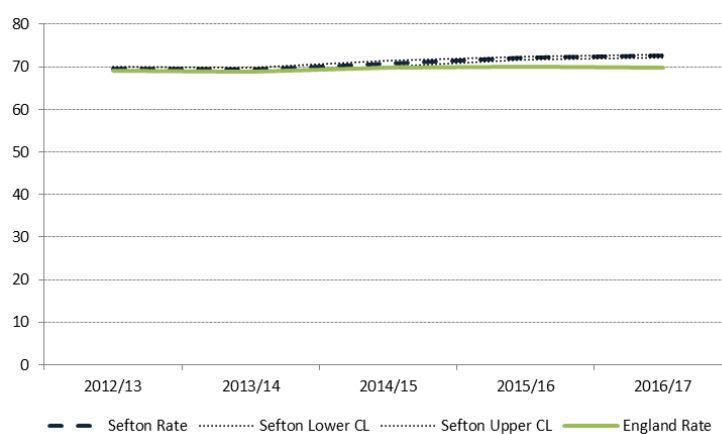


Vaccinations - Adults

% of Eligible Adults Aged 65+ who have Received the PPV Vaccine

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	69.6	69.3	70.0	69.1
2013/14	69.3	68.9	69.7	68.9
2014/15	70.7	70.0	71.4	69.8
2015/16	72.1	71.8	72.5	70.1
2016/17	72.6	72.2	72.9	69.8

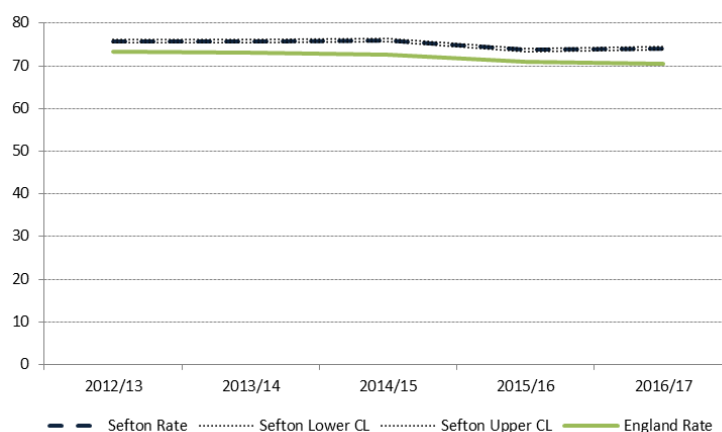
The 2012/13 values in England has been estimated from former primary care organisations covered by LA



% of Eligible Adults Aged 65+ who have Received the Flu Vaccine

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	75.8	75.5	76.2	73.4
2013/14	75.8	75.5	76.2	73.2
2014/15	76.0	75.7	76.4	72.7
2015/16	73.7	73.3	74.0	71.0
2016/17	74.1	73.8	74.5	70.5

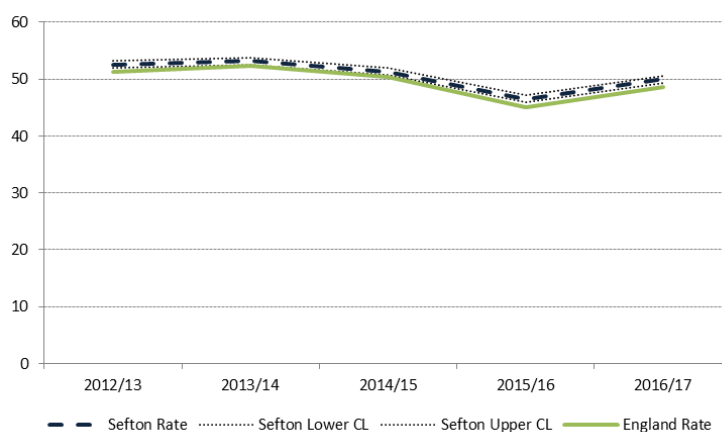
The 2012/13 value in England has been estimated from former primary care organisations covered by LA



Flu vaccination Coverage (% of at Risk Individuals from Age Six Months to Under 65 Years, Excluding Otherwise 'Healthy' Pregnant Women and Carers)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	52.6	52.0	53.2	51.3
2013/14	53.2	52.6	53.8	52.3
2014/15	51.3	50.8	51.9	50.3
2015/16	46.5	46.0	47.1	45.1
2016/17	50.0	49.4	50.6	48.6

The 2012/13 value in England has been estimated from former primary care organisations covered by LA



The seasonal influenza vaccination programme runs each year with the aim of protecting individuals at higher risk of developing complications or dying if they develop flu. This includes people with specific underlying health conditions, those aged over 65 and pregnant women.

For the 2016/17 season Sefton's flu vaccination coverage in the over 65 age group fell to 74.1%, just below the 75% target but nonetheless significantly higher than the England average (70.5%). Fifty percent of at risk individuals (people with and underlying health condition) received the flu vaccination in 2016/17. Again, Sefton is significantly higher than the coverage for England but below the target (55%).

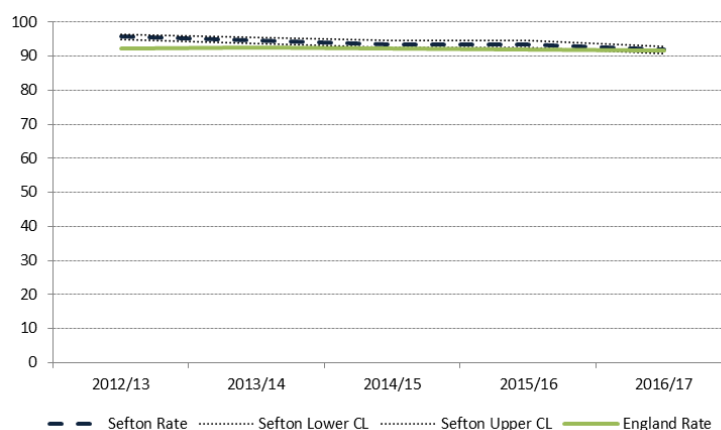
As well as the seasonal flu vaccine, people aged over 65 are also offered immunisation against pneumococcal infections. Coverage for this vaccination has increased to 72.6%, slightly below the target (75%).

Vaccinations - Children

% of Eligible Children who have Received One Dose of MMR Vaccine on or after their 1st Birthday and Anytime up to their 2nd Birthday

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	95.8	95.0	96.5	92.3
2013/14	94.7	93.8	95.5	92.7
2014/15	93.6	92.6	94.5	92.3
2015/16	93.6	92.7	94.5	91.9
2016/17	92.0	90.9	93.0	91.6

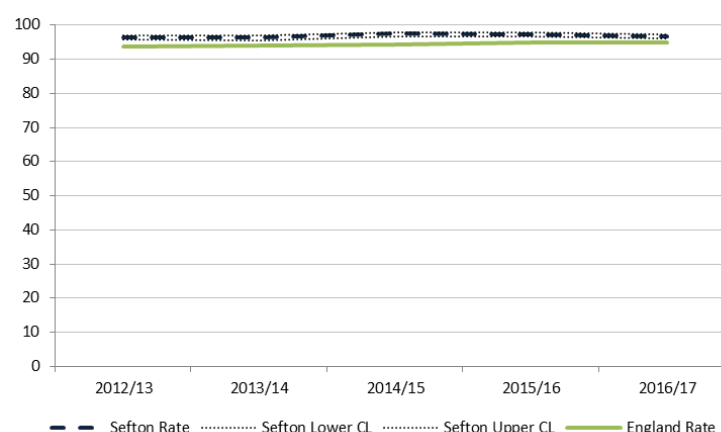
The 2014/15 and 2015/16 values for Sefton along with 2012/13 and 2013/14 values in England have been estimated from former primary care organisations covered by LA



% of Eligible Children who have Received One Dose of MMR Vaccine on or after their 1st Birthday and Anytime up to their 5th Birthday

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	96.5	95.8	97.1	93.9
2013/14	96.3	95.6	97.0	94.1
2014/15	97.5	96.8	98.0	94.4
2015/16	97.4	96.8	97.9	94.8
2016/17	96.8	96.1	97.4	95.0

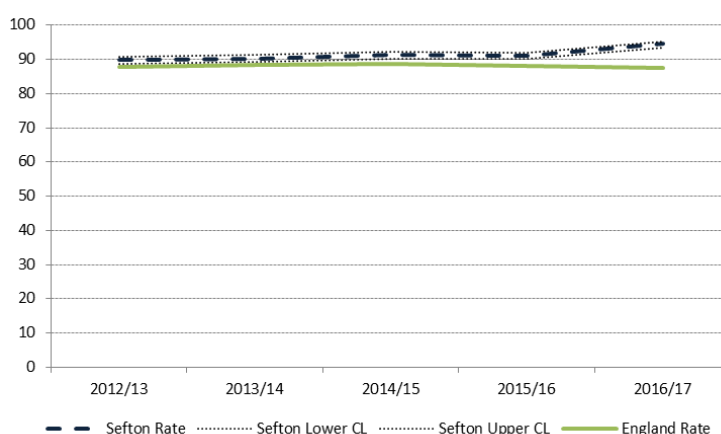
The 2014/15 and 2015/16 values for Sefton along with 2012/13 and 2013/14 values in England have been estimated from former primary care organisations covered by LA



% of Eligible Children who have Received Two Doses of MMR Vaccine on or after their 1st Birthday and Anytime up to their 5th Birthday

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	89.9	88.7	90.9	87.7
2013/14	90.3	89.2	91.4	88.3
2014/15	91.3	90.2	92.3	88.6
2015/16	91.2	90.1	92.1	88.2
2016/17	94.5	93.6	95.3	87.6

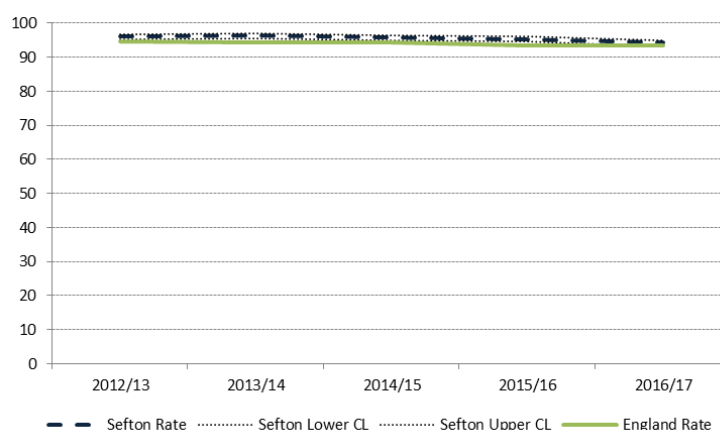
The 2014/15 and 2015/16 values for Sefton along with 2012/13 and 2013/14 values in England have been estimated from former primary care organisations covered by LA



% of Eligible Children who Received Three Doses of Dtap / IPV / Hib Vaccine Anytime by their 1st Birthday

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	96.0	95.2	96.7	94.7
2013/14	96.3	95.6	97.0	94.3
2014/15	95.7	94.9	96.4	94.2
2015/16	95.3	94.5	96.1	93.6
2016/17	94.2	93.2	95.0	93.4

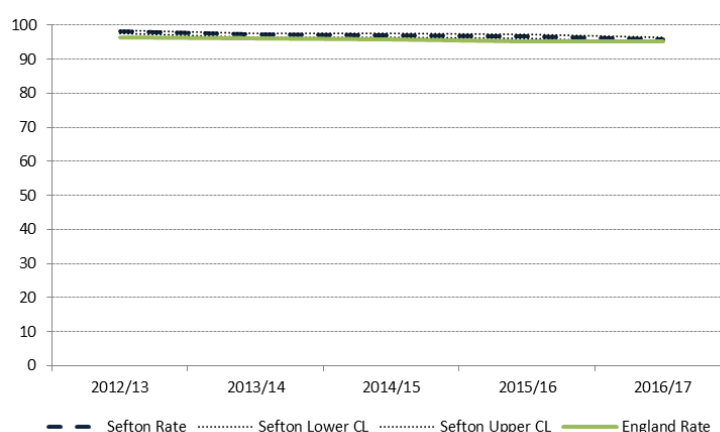
The 2014/15 and 2015/16 values for Sefton along with 2012/13 and 2013/14 values in England have been estimated from former primary care organisations covered by LA



% of Eligible Children who Received Three Doses of Dtap / IPV / Hib Vaccine Anytime by their 2nd Birthday

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	98.1	97.5	98.5	96.3
2013/14	97.2	96.5	97.7	96.1
2014/15	97.0	96.3	97.6	95.7
2015/16	96.7	96.0	97.3	95.2
2016/17	95.8	95.0	96.5	95.1

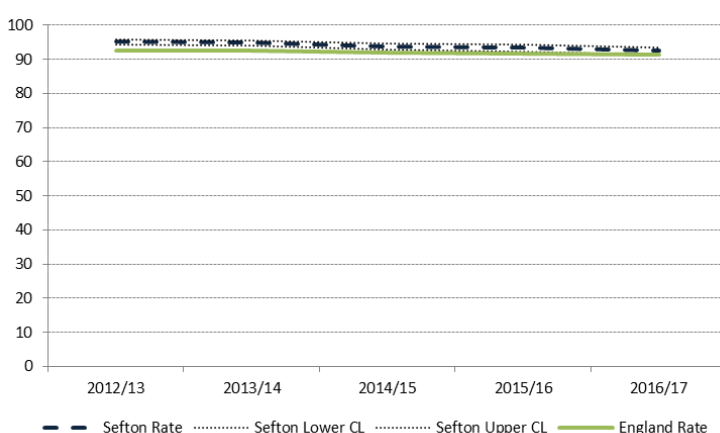
The 2014/15 and 2015/16 values for Sefton along with 2012/13 and 2013/14 values in England have been estimated from former primary care organisations covered by LA



% of Eligible Children who Received Hib / Men C Booster Vaccine Anytime by their 2nd Birthday

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	95.1	94.3	95.9	92.7
2013/14	94.9	94.0	95.6	92.5
2014/15	93.9	93.0	94.7	92.1
2015/16	93.4	92.4	94.3	91.6
2016/17	92.5	91.4	93.4	91.5

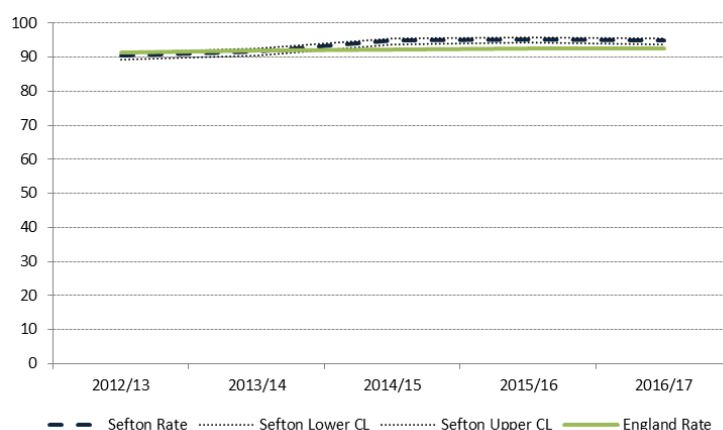
The 2014/15 and 2015/16 values for Sefton along with 2012/13 and 2013/14 values in England have been estimated from former primary care organisations covered by LA



% of Eligible Children who Received Hib / Men C Booster Vaccine Anytime by their 5th Birthday

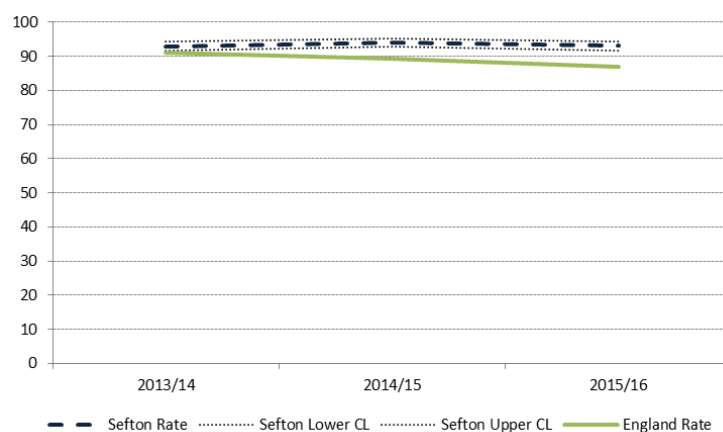
Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2012/13	90.5	89.3	91.5	91.5
2013/14	91.7	90.6	92.6	91.9
2014/15	94.8	93.9	95.5	92.4
2015/16	95.1	94.2	95.8	92.6
2016/17	94.8	93.9	95.6	92.6

The 2014/15 and 2015/16 values for Sefton along with 2012/13 and 2013/14 values in England have been estimated from former primary care organisations covered by LA



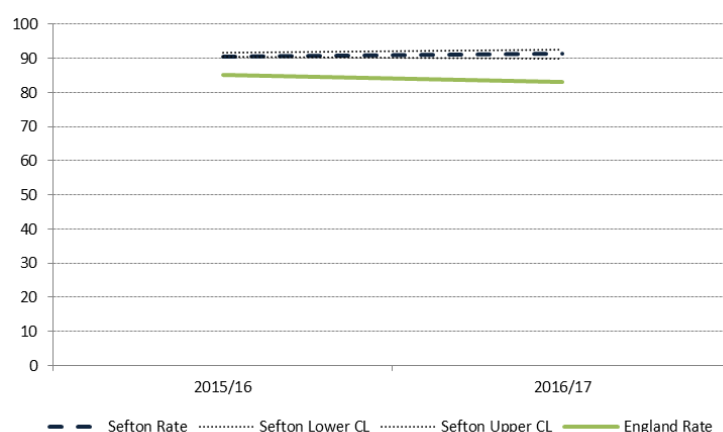
% HPV Vaccination Coverage for One Dose (Females 12-13 Years Old)

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2013/14	93.0	91.6	94.2	91.1
2014/15	94.1	92.8	95.2	89.4
2015/16	93.1	91.7	94.2	87.0



% HPV Vaccination Coverage for Two Doses (Females 13-14 Years Old)

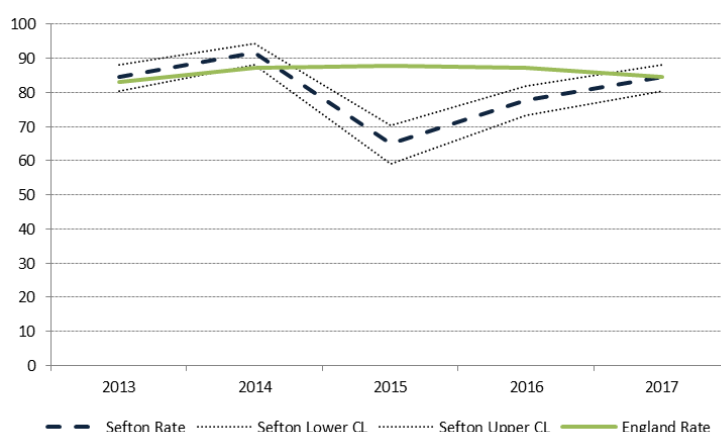
Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2015/16	90.4	90.4	91.7	85.1
2016/17	91.4	89.9	92.7	83.1



% of Children in Care with Up to Date Immunisations

Period	Sefton			England
	Rate	Lower CL	Upper CL	Rate
2013	84.6	80.3	88.1	83.2
2014	91.7	88.0	94.3	87.1
2015	64.9	59.2	70.2	87.8
2016	77.8	73.2	81.8	87.2
2017	84.5	80.3	88.0	84.6

The 2016 values for Sefton and England are based on counts rounded to the nearest 5



All babies and children are routinely offered immunisation against a range of infectious diseases such as tetanus, diphtheria and polio. The World Health Organisation recommends that at least 95% of children nationally are immunised against several diseases targeted by the UK immunisation programme (diphtheria, tetanus, pertussis, polio, Hib, measles, mumps and rubella).

Sefton has good coverage rates for childhood immunisations. Sefton achieves above the 95% target and higher than the England average for most immunisations in the schedule. The immunisation with the lowest coverage is the Measles, Mumps and Rubella (MMR) vaccination. However, Sefton still achieves 94.5% MMR coverage at 5 years old (2 doses) an increase from 89.9% in 2012/13.

Whilst Sefton has achieved good childhood immunisation coverage for children overall it does not meet the 95% target for children in care. The proportion of children in care with up to date immunisations dropped from 91.7% in 2014 to 64.9% in 2015. Coverage increased to 77.8% in 2016 but remained significantly lower than the England and North West rates (87.2% and 90.4% respectively). However in 2017, there has been an increase, which has brought Sefton (84.5%) in line with the national rate (84.6%).

Sources

Cardiovascular Diseases			
Page	Sub Section	Source	Date
5, 6 & 7	Prevalence	Quality Outcomes Framework (QOF)	2012/13 - 2016/17

Dementia			
Page	Sub Section	Source	Date
8, 9 & 10	Prevalence	Public Health Profiles - Fingertips / Mental Health, Dementia and Neurology / Crisis Care Profile / Risk Factors Developing Mental Health Crisis	2012 - 2017
9 & 10	Emergency Hospital Admissions	Public Health Profiles - Fingertips / Mental Health, Dementia and Neurology / Dementia Profile / Pathway on a Page	2012/13- 2016/17
10	Inpatient Admissions	Public Health Profiles - Fingertips / Mental Health, Dementia and Neurology / Dementia Profile / Supporting Well	2012/13- 2016/17

Excess Winter Deaths			
Page	Sub Section	Source	Date
10	Ratio	Public Health Profiles - Fingertips / Public Health Outcome Framework / Healthcare and Premature Mortality	2011/12 - 2015/16

HIV			
Page	Sub Section	Source	Date
11	Prevalence	Public Health Profiles - Fingertips / Health Protection / All Indicators	2012 - 2016

Hospital Admissions			
Page	Sub Section	Source	Date
12	Elective / Non-Elective	NHS England / Home / Statistics / Statistical Work Areas / Hospital Activity / Monthly Hospital Activity	2013/14 - 2016/17

Hospital Admissions - Children			
Page	Sub Section	Source	Date
13 & 14	Deliberate Injuries	Public Health Profiles - Fingertips / Public Health Outcome Framework / Health Improvement	2012/13 - 2016/17
13 & 14	A & E Attendances	Public Health Profiles - Fingertips / Child and Maternal Health / Early Years / Other Indicators	2011/12 - 2015/16
13 & 14	Emergency	Public Health Profiles - Fingertips / Child and Maternal Health / Overview of Child Health / All Indicators	2011/12 - 2015/16

Life Expectancy			
Page	Sub Section	Source	Date
15 & 16	Healthy & All Life Expectancy	Public Health Profiles - Fingertips / Public Health Outcome Framework / Overarching Indicators	2010/12 - 2014/16

Low Birth Weight			
Page	Sub Section	Source	Date
17	Full Term & All Births	Public Health Profiles - Fingertips / Child and Maternal Health / Pregnancy and Birth / Key Indicators	2011 - 2016

Migrant GP Registration			
Page	Sub Section	Source	Date
18	Migrant GP Registration	Public Health Profiles - Fingertips / Mental Health, Dementia and Neurology / Common Mental Health Disorders / Risk and Related Factors	2012 - 2016

Mental Well Being			
Page	Sub Section	Source	Date
19	Self-Reported Wellbeing	Public Health Profiles - Fingertips / Public Health Outcome Framework / Health Improvement	2012/13 - 2016/17

Mortality			
Page	Sub Section	Source	Date
20 & 22	Still Births	Public Health Profiles - Fingertips / Child and Maternal Health / Pregnancy and Birth / Key Indicators	2010/12 - 2014/16
20 & 22	Infant Mortality	Public Health Profiles - Fingertips / Public Health Outcome Framework / Healthcare and Premature Mortality	2010/12 - 2014/16
20 & 22	Child Mortality	Public Health Profiles - Fingertips / Child and Maternal Health / Young People / All Indicators	2010/12 - 2014/16
21 & 22	Preventable / Disease Type	Public Health Profiles - Fingertips / Public Health Outcome Framework / Healthcare and Premature Mortality	2010/12 - 2014/16

NHS Health Check			
Page	Sub Section	Source	Date
23	Eligible Population	Public Health Profiles - Fingertips / Mental Health, Dementia and Neurology / Dementia Profile / Pathway on a Page	2013/14 - 2016/17

Respiratory Disease			
Page	Sub Section	Source	Date
24 & 25	Asthma / COPD	Quality Outcomes Framework (QOF)	2012/13 - 2016/17
24 & 25	Tuberculosis	Public Health Profiles - Fingertips / Health Protection / Respiratory Infection	2010/12 - 2014/16

Road Traffic Incidents			
Page	Sub Section	Source	Date
26	Children	Public Health Profiles - Fingertips / Child and Maternal Health / School Age Children / Key Indicators	2010/12 - 2014/16
26	All	Public Health Profiles - Fingertips / Health Profiles / Injuries and Ill Health	2009/11 - 2014/16

Vaccinations - Adults			
Page	Sub Section	Source	Date
27 & 28	PPV Vaccine / Flu Vaccine	Public Health Profiles - Fingertips / Public Health Outcomes Framework / Health Protection	2012/13 - 2016/17

Vaccinations - Children			
Page	Sub Section	Source	Date
29, 30, 31 & 32	MMR, Dtap / IPV / Hib & Hib / Men C Booster / HPV Vaccines	Public Health Profiles - Fingertips / Public Health Outcomes Framework / Health protection	2012/13 - 2016/17
31 & 32	Looked After Children Immunisations	Public Health Profiles - Fingertips / Child and Maternal Health / Early Years / All Indicators	2013 - 2017