

**UNIVERSITY OF BOLTON**

**SCHOOL OF HEALTH AND SOCIAL SCIENCES**

**BSC(HONS) PGDIP SPECIALIST COMMUNITY  
PUBLIC HEALTH NURSING**

**BSC (HONS) PGDIP SPECIALIST COMMUNITY  
NURSING**

**CPD FRAMEWORK (UNDERGRADUATE &  
POSTGRADUATE)**

**BSC (HONS) PROFESSIONAL STUDIES**

**SEMESTER ONE EXAMINATIONS 2009/2010**

**LEADING HEALTH PROMOTION**

**MODULE NO: HLT3103/4028**

Date: Friday 4<sup>th</sup> December 2009

Time: 10.00 – 10.55

**INSTRUCTIONS TO CANDIDATES:**

There are 5 questions on this paper. (20 marks)

Answer ALL questions.

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Please turn the page

University of Bolton  
School of Health and Social Sciences  
BSc(Hons) PGDip Specialist Community Public Health Nursing  
BSc (Hons) PGDip Specialist Community Nursing  
CPD Framework (Undergraduate & Postgraduate)  
BSc (Hons) Professional Studies  
Leading Health Promotion  
Module No. HLT3103/4028

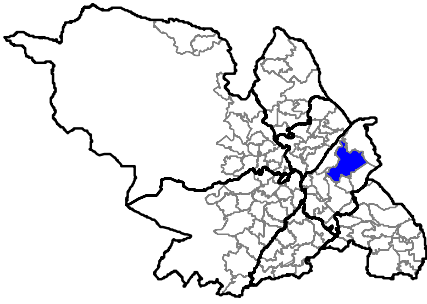
**ANSWER ALL QUESTIONS**

1. What would the 'incidence' of 'swine flu' tell you? 1 mark

**FOR ALL THE FOLLOWING QUESTIONS PLEASE USE THE DATA GIVEN**

2. Comparing the Population Profile and pyramids identify 2 features of the Darnell data that are significant to its health. 2 marks
3. From the Housing, Economic and deprivation data what can you deduce from the Deprivation Indicator.  
Bullet point 3 factors. 3marks
4. List 4 types of data in this report and give the source for each. 4 marks
5. From the data, identify and justify 3 health needs that could be addressed in public health promotion. 10 marks

**END OF QUESTIONS**



# Darnall Neighbourhood Profile

## 2007/08

This profile presents a series of data items with comparison to another neighbourhood, PCT, deprivation quintile, Service District, Enhanced Public Health Programme (EHPH) area or Sheffield as a whole. This analysis is available to the public and may be quoted, re-used, and freely published on websites. Previous years profiles are also available.

Map shows neighbourhood and Service District boundaries.

Neighbourhoods are allocated to the PCT and service district with which the majority of its population is registered. Darnall is allocated to Arbourthorne / Manor / Darnall Service District.

Trend data for all indicators and geographies is available in the Neighbourhood Trends Interactive Tool available at [www.sheffield.nhs.uk/healthdata/nhoods.php](http://www.sheffield.nhs.uk/healthdata/nhoods.php) under Background Data. Further information and comparison between years is available in the Sheffield Health and Well-being Atlas, available at [www.sheffield.nhs.uk/healthdata/atlas.php](http://www.sheffield.nhs.uk/healthdata/atlas.php).

### Population Profile

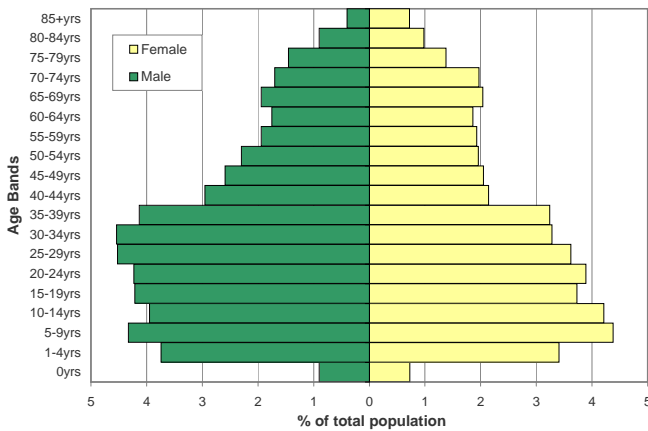
Age	Darnall		Sheffield	
	#	Rate	#	Rate
0-4yrs	718	8.8%	30,888	5.6%
5-14yrs	1,379	16.9%	61,014	11%
15-24yrs	1,312	16%	89,248	16.2%
25-44yrs	2,323	28.4%	160,463	29%
45-64yrs	1,339	16.4%	126,212	22.8%
65-74yrs	626	7.7%	43,609	7.9%
75-84yrs	386	4.7%	29,262	5.3%
85yrs+	92	1.1%	11,804	2.1%
<b>Total Population</b>	<b>8,175</b>		<b>552,500</b>	

Data Source: Population Health Register 2007- average of snapshots during the year.

Ethnic Group	Darnall		Sheffield	
	#	Rate	#	Rate
White	3,869	54%	468,180	91.2%
Mixed	136	1.9%	8,308	1.6%
Asian / Asian British	2,760	38.5%	23,366	4.6%
Black / Black British	218	3%	9,153	1.8%
Chinese or Other	187	2.6%	4,257	0.8%
<b>Total Population</b>	<b>7,170</b>		<b>513,264</b>	

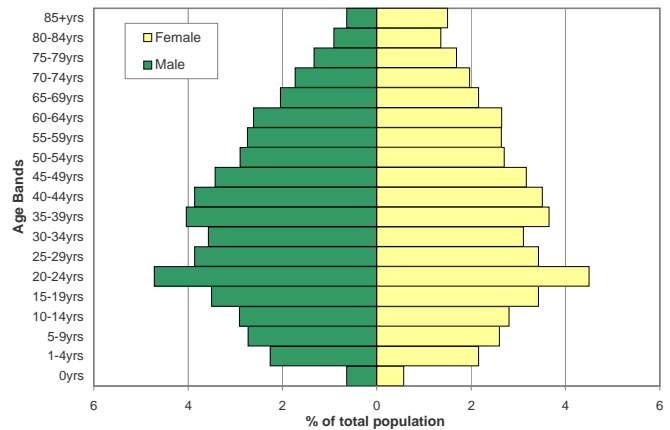
Data Source: 2001 Census, Office for National Statistics.

Darnall Population Pyramid 2007



Data Source: Population Health Register 2007- average of snapshots during the year.

Sheffield Population Pyramid 2007



Data Source: Population Health Register 2007- average of snapshots during the year.

### Housing, Economic and Deprivation Indicators

Deprivation Indicator	Darnall		Sheffield	
	#	Rate	#	Rate
Households claiming Income Support	1,070	40.2%	39,027	17%
Children 0-4yrs living in households claiming benefits	260	35.6%	4,901	16%
Vacant domestic properties	126	4.5%	7,897	3.3%
Moving household (change in Council Tax payer) in the last year	291	10.9%	24,088	10.5%
Deprivation rank *	1	-	-	-
Deprivation quintile *	MD	-	-	-

Data Source: Housing Benefits System, Sheffield City Council, 2007.

Deprivation Rank and Quintile based on proportion of households claiming Income Support in 2007. MD - Most Deprived Deprivation Quintile; AA - Above Average Deprivation Quintile; AV - Average Deprivation Quintile; BA - Below Average Deprivation Quintile; LD - Least Deprived Deprivation Quintile. \* only available for neighbourhoods

Economic Activity	Darnall		Sheffield	
	#	Rate	#	Rate
<b>Economically active</b>				
Employed	1,644	34.9%	208,226	55.7%
Unemployed	349	7.4%	15,659	4.2%
Full time student	118	2.5%	12,193	3.3%
<b>Economically inactive</b>				
Retired	651	13.8%	50,579	13.5%
Permanently sick / disabled	525	11.2%	23,143	6.2%
Other	1,417	30.1%	64,323	17.2%
<b>All people aged 16-74 years</b>	<b>4,704</b>		<b>374,123</b>	

Data Source: 2001 Census, Office for National Statistics.

Data as at Census day, 29th April 2001.

Housing Tenure	Darnall		Sheffield	
	#	Rate	#	Rate
Owner occupied	904	34.4%	130,892	60.2%
Local Authority rented	1,125	42.8%	57,614	26.5%
Housing Association / RSL rented	242	9.2%	8,326	3.8%
Private rented	262	10%	16,587	7.6%
Rented other	97	3.7%	4,180	1.9%
<b>All Household Spaces</b>	<b>2,630</b>	-	<b>217,599</b>	-

Data Source: 2001 Census, Office for National Statistics.  
Data as at Census day, 29th April 2001.

Housing Type	Darnall		Sheffield	
	#	Rate	#	Rate
Detached	118	4.3%	31,721	14.1%
Semi-detached	893	32.6%	84,072	37.3%
Terraced	1,203	43.9%	67,357	29.9%
Flats / Maisonette / Apartment	512	18.7%	41,951	18.6%
Other (includes mobile / temporary)	9	0.3%	147	0.1%
<b>All Properties</b>	<b>2,740</b>	-	<b>225,134</b>	-

Data Source: 2001 Census, Office for National Statistics.  
Data as at Census day, 29th April 2001.

## Births, Pregnancy and Life Expectancy

Births and Pregnancy	Darnall			Sheffield	
	#	Rate (95% CI)		#	Rate (95% CI)
Live births	774	-		31,194	-
Live births with birthweight <2500g (per 1,000 live births)	106	13.7 (11.3 - 16.6)	>	2,898	9.3 (9 - 9.7)
Mothers intending to breastfeed at delivery*	113	80.7% (74.1% - 87.3%)	-	4,634	73.8% (72.7% - 74.9%)
Mothers recorded as smoking at delivery*	10	7.1% (2.8% - 11.4%)	<	907	14.4% (13.6% - 15.3%)
Average age of mother at first delivery*	23.8yrs	23.8yrs (15.1yrs - 32.5yrs)	-	26.7yrs	26.7yrs (14.6yrs - 38.7yrs)
Conceptions to females aged <18 years (per 1,000 female population aged <18yrs)**	14	27 (16 - 45)	<	1,457	50.9 (48.4 - 53.5)

Data Source: Public Health Birth Files, Office for National Statistics, 2003-2007, except \* SHTT PROTOS extract, 2007; Population Health Register extracts, 2003-2007.

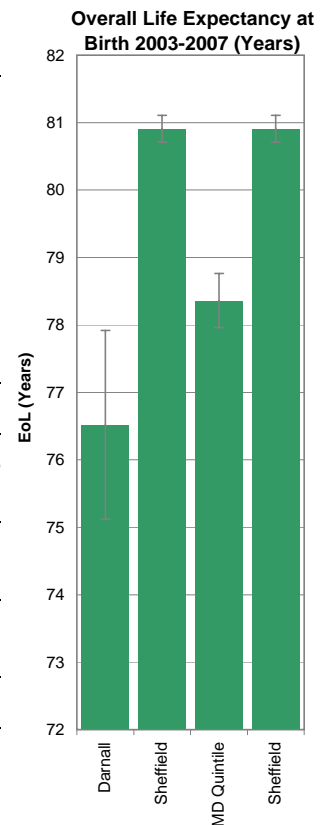
All periods 2003-2007 except \* 2006-2007 and \*\* 2005-2007. \*\* Deprivation quintiles and LAA target currently not available. 95% Confidence intervals for rates shown in brackets - use this as an indicator of the reliability of the data. ! indicates data has been suppressed as the numerator and rate are based on < 5 cases or the denominator and rate are based on <21 cohort population.

Life Expectancy at Birth	Darnall			Sheffield	
	#	Rate (95% CI)		#	Rate (95% CI)
Male life expectancy at birth	74.9yrs	74.9yrs (73yrs - 76.9yrs)	<	77.8yrs	77.8yrs (77.6yrs - 78yrs)
Female life expectancy at birth	78.2yrs	78.2yrs (76.2yrs - 80.2yrs)	<	81.3yrs	81.3yrs (81.1yrs - 81.5yrs)
Overall life expectancy at birth	76.5yrs	76.5yrs (75.1yrs - 77.9yrs)	<	80.9yrs	80.9yrs (80.7yrs - 81.1yrs)

Data Source: Public Health Mortality Files, Office for National Statistics, 2003-2007; Population Health Register, 2003-2007.

Life Expectancy calculation based on a method calculated by the West Midlands Public Health Observatory. All periods 2003-2007. 95% Confidence intervals for rates shown in brackets. \* Life expectancy calculation invalid for areas with a cohort population of less than 5,000. ! indicates data has been suppressed as the numerator and rate are based on < 5 cases or the denominator and rate are based on <21 cohort population.

> indicates neighbourhood rate is significantly higher than the comparator rate (p<0.05); < rate is significantly lower than the comparator rate, and - rate is not significantly different to the comparator rate.



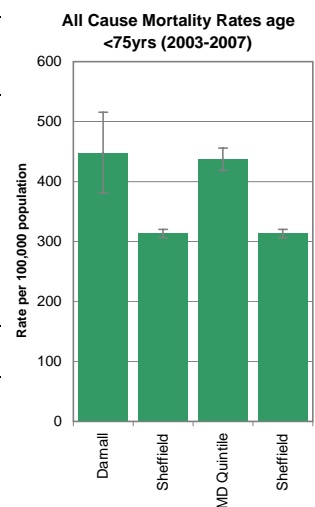
## Mortality Rates

Deaths	Darnall			Sheffield	
	#	Rate (95% CI)		#	Rate (95% CI)
Infant deaths aged <1 year	7	9 (4.3 - 18.9)	-	181	5.8 (5 - 6.7)
All cause deaths aged <75 years	374	448.1 (380.8 - 515.4)	>	25,866	313.4 (306.5 - 320.3)
Cancer deaths aged <75 years	52	142.9 (104.8 - 181)	-	3,276	120 (115.7 - 124.3)
Circulatory disease deaths aged <75 years	45	116.7 (82.3 - 151.1)	-	2,364	85.2 (81.6 - 88.8)
CHD deaths aged <75 years	25	65.8 (39.9 - 91.7)	-	1,441	52 (49.2 - 54.8)
Stroke deaths aged <75 years	42	19.6 (5.5 - 33.7)	-	2,539	15.7 (14.2 - 17.2)
Respiratory disease deaths aged <75 years	63	68.4 (42 - 94.8)	>	3,733	28.8 (26.7 - 30.9)

Data Source: Public Health Mortality Files, Office for National Statistics, 2003-2007; Population Health Register extracts, 2003-2007.

All mortality rates expressed as European Age Standardised rates per 100,000 population except infant deaths aged <1 year expressed as rate per 1,000 live births. All periods 2003-2007. 95% Confidence intervals for rates shown in brackets. ! indicates data has been suppressed as the numerator and rate are based on < 5 cases or the denominator and rate are based on <21 cohort population.

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# Hospital Admission Rates, Referrals and Outpatients

## Emergency Admissions / A&E Attendances

	Darnall			Sheffield		
	#	Rate (95% CI)		#	Rate (95% CI)	
All emergency admissions (all causes)	989	11920.9 (11221.2 - 12620.6)	>	54,437	8824.8 (8750.1 - 8899.5)	
A&E attendances aged 65yrs+	410	37143.6 (34290.7 - 39996.5)	>	22,473	23980.9 (23693.6 - 24268.2)	
Emergency admissions aged 65yrs+	332	29461.5 (26769.9 - 32153.1)	>	21,505	22369.4 (22089 - 22649.8)	
Emergency admissions aged <18yrs	220	86.9 (75.9 - 97.9)	>	8,174	72.9 (71.4 - 74.4)	
Emergency admissions for Chronic Disease* †	1,025	2490 (2338.1 - 2641.9)	>	48,508	1594 (1579.1 - 1608.9)	
Non-elective admissions for CHD*	242	624.7 (547.9 - 701.5)	>	12,296	356.8 (349.7 - 363.9)	

Data Source: Inpatient Minimum Data Sets, 2007/08; Population Health Register extracts, 2007/08.

All rates expressed as European Age Standardised rates per 100,000 population except emergency admissions aged <18yrs expressed as rate per 1,000 population. All periods 2007/08 except \* 2003/04 - 2007/08. 95% Confidence intervals for rates shown in brackets. ! indicates data has been suppressed as the numerator and rate are based on < 5 cases or the denominator and rate are based on <21 cohort population.

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## Elective Admissions

	Darnall			Sheffield		
	#	Rate (95% CI)		#	Rate (95% CI)	
All elective admissions (all causes)*	1,169	14608.1 (13846.1 - 15370.1)	>	78,131	13311.1 (13221.7 - 13400.5)	
Elective admissions for Chronic Disease †	306	828 (739.7 - 916.3)	>	16,369	587.6 (578.5 - 596.7)	
Elective admissions for CHD	134	408.9 (346.7 - 471.1)	>	7,973	274.9 (268.7 - 281.1)	

Data Source: Inpatient Minimum Data Sets, 2003/04 - 2007/08; Population Health Register extracts, 2003/04-2007/08.

All rates expressed as European Age Standardised rates per 100,000 population. All periods 2003/04 - 2007/08 except \* 2007/08. 95% Confidence intervals for rates shown in brackets. ! indicates data has been suppressed as the numerator and rate are based on < 5 cases or the denominator and rate are based on <21 cohort population.

> indicates neighbourhood rate is significantly higher than the comparator rate (p<0.05), < rate is significantly lower than the comparator rate, and - rate is not significantly different to the comparator rate.

## Other Admissions

	Darnall			Sheffield		
	#	Rate (95% CI)		#	Rate (95% CI)	
All admissions for Cancer	722	1923.2 (1789.3 - 2057.1)	<	67,499	2251.3 (2233.7 - 2268.9)	
All admissions for COPD	299	740.5 (656.9 - 824.1)	>	10,889	348.2 (341.2 - 355.2)	
All admissions for Stroke	91	214.8 (169.7 - 259.9)	>	6,037	158.7 (154 - 163.4)	
All admissions for Asthma	124	308.2 (254.2 - 362.2)	>	3,602	137.9 (133.5 - 142.3)	
All admissions for Diabetes	36	91.9 (62.4 - 121.4)	=	1,872	64.8 (61.8 - 67.8)	
All admissions for Mental Health problems	94	255.2 (206 - 304.4)	>	4,913	163.8 (159 - 168.6)	

Data Source: Inpatient Minimum Data Sets, 2003/04-2007/08; Population Health Register extracts, 2003/04-2007/08.

All rates expressed as European Age Standardised rates per 100,000 population. All periods 2003/04 - 2007/08. 95% Confidence intervals for rates shown in brackets. ! indicates data has been suppressed as the numerator and rate are based on < 5 cases or the denominator and rate are based on <21 cohort population.

> indicates neighbourhood rate is significantly higher than the comparator rate (p<0.05), < rate is significantly lower than the comparator rate, and - rate is not significantly different to the comparator rate.

† Chronic Diseases include CHD, diabetes and respiratory diseases include COPD and asthma

## Referrals, Outpatients and Home Care Clients

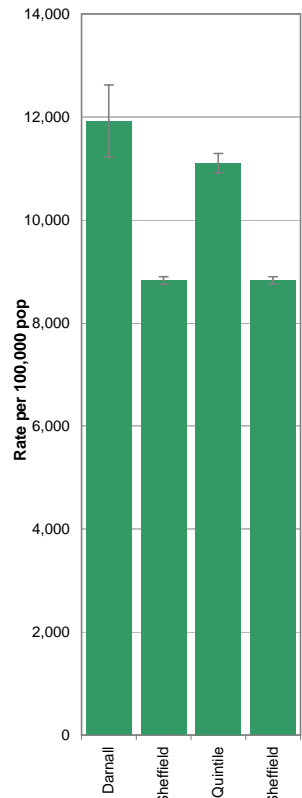
	Darnall			Sheffield		
	#	Rate (95% CI)		#	Rate (95% CI)	
CAMHS Referrals	N/A	N/A	=	N/A	N/A	
Mental Health 1st Outpatients Attendances	259	699.1 (617.8 - 780.4)	>	13,243	476.8 (468.6 - 485)	
Intensive Home Care Clients	27	2.5 (1.7 - 3.6)	>	1,237	1.5 (1.4 - 1.5)	

Data Source: CAMHS 2007; Inpatient Minimum Datasets 2003/04-2007/08; Sheffield City Council 2006/07

CAMHS as rate per 1,000 aged 0-18, Outpatients Attendances as rate per 100,000, Home Care Clients as rate per 100 aged 65+. 95% Confidence intervals for rates shown in brackets. ! indicates data has been suppressed as the numerator and rate are based on < 5 cases or the denominator and rate are based on <21 cohort population.

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All Cause Emergency Admissions (2007/08)



NB: CAMHS referrals for 2007/08 not yet available. When data is available this indicator will be updated.



# Darnall Overview

This table shows how Darnall compares to Sheffield, the quintiles of deprivation and Sheffield PCTs. Cells shaded green indicate that Darnall is statistically significantly better than its comparator and cells shaded red indicate that Darnall is statistically significantly worse. Blank cells indicate no statistically significant difference. \* data are suppressed due to small numbers - data unavailable

Indicator	Period	Indicator Value for Darnall	Sheffield	Quintiles of Deprivation				
				MD	AA	AV	BA	LD
Births: Average Age of Mother at First Registerable Birth	2007	23.8 (15.1 - 32.5)						
Births: Breastfeeding Intention at Delivery (%)	2007	80.7 (74.1 - 87.3)		Higher		Higher		
Births: Conception Rate per 1,000 (females age <18yrs)	2005-2007	27 (16 - 45)	Lower	Lower	Lower			
Births: Low Birth Weight (< 2500g) rate per 1,000	2003-2007	13.7 (11.3 - 16.6)	Higher		Higher	Higher	Higher	Higher
Births: Mothers Recorded as Smokers at Delivery (percent)	2007	7.1 (2.8 - 11.4)	Lower	Lower	Lower			
Deprivation: Children age 0-4yrs in households claiming income support (percent)	2007	35.6 (31.4 - 40.1)	Higher		Higher	Higher	Higher	Higher
Disease: A&E Attendances (age 65yrs+) rate per 100,000	2007/08	37143.6 (34290.7 - 39996.5)	Higher	Higher	Higher	Higher	Higher	Higher
Disease: Admissions to Hospital for Asthma (all ages) rate per 100,000	2003/04-2007/08	308.2 (254.2 - 362.2)	Higher	Higher	Higher	Higher	Higher	Higher
Disease: Admissions to Hospital for Cancer (all ages) rate per 100,000	2003/04-2007/08	1923.2 (1789.3 - 2057.1)	Lower			Lower	Lower	Lower
Disease: Admissions to Hospital for COPD (all ages) rate per 100,000	2003/04-2007/08	740.5 (656.9 - 824.1)	Higher	Higher	Higher	Higher	Higher	Higher
Disease: Admissions to Hospital for Diabetes (all ages) rate per 100,000	2003/04-2007/08	91.9 (62.4 - 121.4)					Higher	Higher
Disease: Admissions to Hospital for Stroke (all ages) rate per 100,000	2003/04-2007/08	214.8 (169.7 - 259.9)	Higher			Higher	Higher	Higher
Disease: Admissions to Hospital Mental Health Specialties (all ages) rate per 100,000	2003/04-2007/08	255.2 (206 - 304.4)	Higher			Higher	Higher	Higher
Disease: Average Waiting Time for Hip/Knee Operations rate per 100,000	2003/04-2007/08	164.8 (127.6 - 202)						
Disease: Elective Admissions to Hospital (all ages) rate per 100,000	2007/08	14608.1 (13846.1 - 15370.1)	Higher		Higher	Higher	Higher	Higher
Disease: Elective Admissions to Hospital for CHD (all ages) rate per 100,000	2003/04-2007/08	408.9 (346.7 - 471.1)	Higher		Higher	Higher	Higher	Higher
Disease: Elective Admissions to Hospital for Chronic Diseases (all ages) rate per 100,000	2003/04-2007/08	828 (739.7 - 916.3)	Higher	Higher	Higher	Higher	Higher	Higher
Disease: Emergency Admissions to Hospital (age < 18yrs) rate per 1,000	2007/08	86.9 (75.9 - 97.9)	Higher			Higher	Higher	Higher
Disease: Emergency Admissions to Hospital (age 65yrs+) rate per 100,000	2007/08	29461.5 (26769.9 - 32153.1)	Higher		Higher	Higher	Higher	Higher
Disease: Emergency Admissions to Hospital (all ages) rate per 100,000	2007/08	11920.9 (11221.2 - 12620.6)	Higher		Higher	Higher	Higher	Higher
Disease: Emergency Admissions to Hospital for CHD (all ages) rate per 100,000: 99/00-03/04	2003/04-2007/08	624.7 (547.9 - 701.5)	Higher	Higher	Higher	Higher	Higher	Higher
Disease: Emergency Admissions to Hospital for Chronic Diseases (all ages) rate per 100,000	2003/04-2007/08	2490 (2338.1 - 2641.9)	Higher	Higher	Higher	Higher	Higher	Higher
Disease: Mental Health 1st Outpatient Attendances (all ages) rate per 100,000	2003/04-2007/08	699.1 (617.8 - 780.4)	Higher			Higher	Higher	Higher
Disease: CAMHS Referrals	2007	-	-	-	-	-	-	-
Disease: Intensive Home Care Clients	2007	2.5 (1.7 - 3.6)	Higher			Higher	Higher	Higher
Life Expectancy: Life Expectancy at Birth (Males and Females Combined)	2003-2007	76.5 (75.1 - 77.9)	Lower	Lower	Lower	Lower	Lower	Lower
Life Expectancy: Life Expectancy at Birth of Females	2003-2007	78.2 (76.2 - 80.2)	Lower			Lower	Lower	Lower
Life Expectancy: Life Expectancy at Birth of Males	2003-2007	74.9 (73 - 76.9)	Lower			Lower	Lower	Lower
Mortality: All Causes (< 75yrs) rate per 100,000	2003-2007	448.1 (380.8 - 515.4)	Higher			Higher	Higher	Higher
Mortality: Deaths from Cancer (age < 75yrs) rate per 100,000	2003-2007	142.9 (104.8 - 181)						Higher
Mortality: Deaths from CHD (age < 75yrs) rate per 100,000	2003-2007	65.8 (39.9 - 91.7)						Higher
Mortality: Deaths from Circulatory Diseases (age < 75yrs) rate per 100,000	2003-2007	116.7 (82.3 - 151.1)					Higher	Higher
Mortality: Deaths from Respiratory Diseases (age < 75yrs) rate per 100,000	2003-2007	68.4 (42 - 94.8)	Higher		Higher	Higher	Higher	Higher
Mortality: Deaths from Stroke (age < 75yrs) rate per 100,000	2003-2007	19.6 (5.5 - 33.7)						
Mortality: Infant Deaths (age < 1yr) rate per 1,000	2003-2007	9 (4.3 - 18.9)						
Environment: Child RTA's	2004-2007	*	*	*	*	*	*	*
Environment: Incidence of Crime	2006/07	122.2 (114.8 - 130.1)	Higher		Higher	Higher	Higher	Higher