

# LEARNING DISABILITIES

*A fact sheet on individuals with learning disabilities in the London Borough of Hounslow.*

## 1 General Practice Data

A dataset of 714 patient records was collated from 48 of the 56 GP practices in Hounslow. These records were selected on the basis of being patients that had been categorised with the following READ codes - E3...%, Eu7..% ,Eu81z 918e. These records were linked to a dataset of all GP registered patients in Hounslow, to provide key identifiers of NHS number and date of birth. Of the 714 patient records 677 were linked to NHS numbers/Date of birth. The date of birth was used to calculate the patients age at the time that the data was extracted (October 2010).

Table 1: Dataset summary

Domain	value
No. of LD records extracted	714
No. of practices	48
No. of records linked to NHS numbers	94.8
% Males	57.8
Mean/Median age	36.1/34
Mean/Median age of males	34/32
Mean/Median age of females	38.9/38
Mean/Median age at earliest coding of LD	17.7/10
Mean/Median age at earliest coding of LD - males	17.6/11
Mean/Median age at earliest coding of LD - females	17.9/9.5
Directly standardised rate per 100,000 males	338.6 (+/- 35)
Directly standardised rate per 100,000 females	258.6 (+/- 30.6)

Table 2: Groupings used to categorise types of Learning disabilities

Group1	Group2	Group3	Group4
Chromosomal anomalies	Developmental disorder of scholastic skills	Low I.Q.	On learning disability register
Congenital cerebral palsy	Child with special educational needs	Mental disorders after brain damage	Referral to learning disability team
Other and unspecified congenital anomalies	Specific delays in development	Mental retardation	Learning disabilities administration status
Other nervous system congenital anomalies	Specific Reading Disorder	Severe Learning Disabilities	
	Specific Disorder of arithimetical skills		
	Learning difficulties		

Table 3: Dataset summary by group

Domain	Group 1	Group 2	Group 3	Group 4
No. of LD records extracted	77	365	119	153
No. of practices	28	47	37	32
No. of records linked to NHS numbers	96.1	96.2	91.6	93.5
% Males	51.9	57	54.6	65.4
Mean/Median age	32.7/32	36.6/33	44.7/47	29.8/25
Mean/Median age of males	30/26.5	35.5/32	42.9/43	27/22
Mean/Median age of females	35.6/36.5	38.1/36	46.5/50.5	35.6/31
Mean/Median age at earliest coding of LD	8.1/0	19.3/13	14.1/8	21.5/15
Mean/Median age at earliest coding of LD - males	6.4/0	20.1/13.5	13.2/9	19.2/13.5
Mean/Median age at earliest coding of LD - females	9.9/0	18.1/9.5	15.1/6	26.9/21.5

Figure 1: Boxplots of age by LD disability group

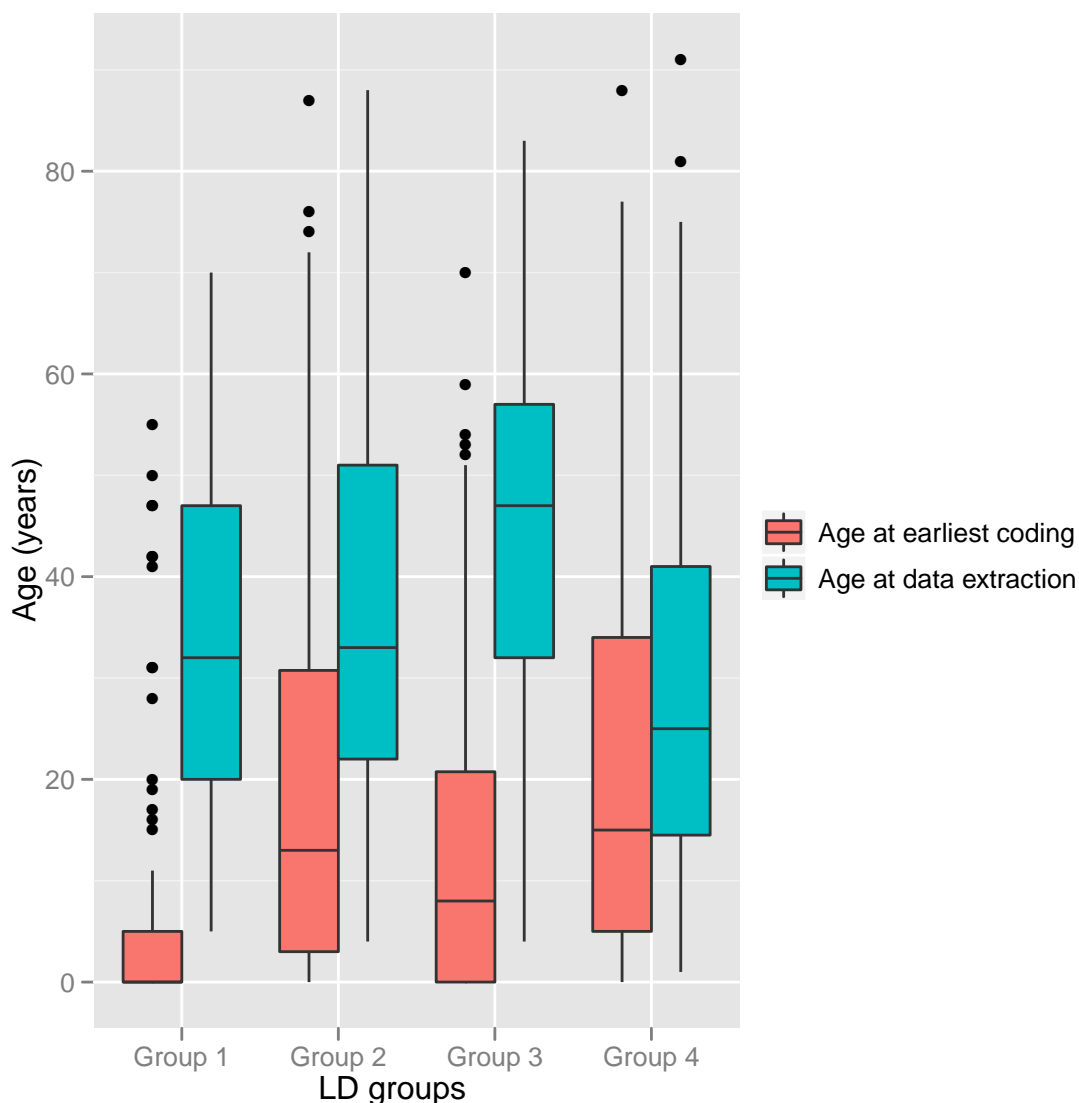


Table 4: BMI screening data among learning disabilities patients aged 18 and older

Domain	Group 1	Group 2	Group 3	Group 4	Total
BMI measured - Yes	36.0	207.0	67.0	71.0	381.0
BMI measured - No	22.0	87.0	31.0	27.0	167.0
% BMI measured	62.1	70.4	68.4	72.4	69.5
% Underweight	2.9	13.0	12.3	7.5	11.0
%Healthy weight	23.5	29.5	26.2	29.9	28.4
% Over weight	35.3	30.9	26.2	34.3	31.1
% Obese	38.2	26.6	35.4	28.4	29.5

Table 5: Blood pressure screening data among learning disabilities patients aged 18 and older

Domain	Group 1	Group 2	Group 3	Group 4	Total
BP measured - Yes	48.0	243.0	80.0	77.0	448.0
BP measured - No	10.0	51.0	18.0	21.0	100.0
% BP measured	82.8	82.7	81.6	78.6	81.8
% At risk of hypertension (BP >= 140/90)	7.0	5.2	13.4	1.4	6.1
% BP < 140/90	93.0	94.8	86.6	98.6	93.9

Table 6: Cervical and Breast screening data among female learning disabilities patients

Domain	Group 1	Group 2	Group 3	Group 4	Total
No. of eligible females who have had a Cervical Smear	22.0	55.0	21.0	23.0	121.0
No. of eligible females that have not	5.0	42.0	13.0	10.0	70.0
No. of females not eligible (under 25 or over 64 yrs old)	10.0	60.0	20.0	20.0	110.0
% Screened	81.5	56.7	61.8	69.7	63.4
No. of eligible females who have had a mammo-gram	5.0	19.0	10.0	3.0	37.0
No. of eligible females that have not	5.0	31.0	20.0	16.0	72.0
No. of females not eligible (under 50 yrs old)	27.0	107.0	24.0	34.0	192.0
% Screened	50.0	38.0	33.3	15.8	33.9

## 1.1 Linkage to flu data set for comorbidities

Table 7: Linkage of learning disabilities patient records to flu registers

Domain	Value
No. of LD records linked to Flu registers	165
% of all extracted LD records	23.1
No. of practices	48
% Males	49.7
Mean/Median age	42.9/44
Mean/Median age of males	40.3/38.5
Mean/Median age of females	45.5/47

Table 8: Co-morbidities inferred from linkage of learning disabilities patient records to flu registers

Domain	Group 1	Group 2	Group 3	Group 4	Total
LD patients linked to flu register	31.0	75.0	29.0	30.0	165.0
% with Asthma	12.9	20.0	13.8	20.0	17.6
% with COPD	3.2	1.3	3.4	3.3	2.4
% with Heart Disease	12.9	5.3	17.2	10.0	9.7
% with Renal Disease	9.7	9.3	10.3	6.7	9.1
% Diabetic	0.0	14.7	34.5	16.7	15.8
% Immunosuppressed	0.0	5.3	0.0	0.0	2.4
% with Liver disease	0.0	0.0	3.4	6.7	1.8
% suffered CVA or TIA	3.2	6.7	6.9	0.0	4.8
% with Chronic Neurological Disease	48.4	29.3	37.9	23.3	33.3

## 1.2 In patient attendances

Table 9: Linkage of learning disabilities patient records to inpatient admissions. Data source - Secondary Uses Service

Domain	2007/8	2008/9	2009/10	2010/11
No. of Admissions	207	193	206	270
% admissions in 0 to 14 year olds	33.3	20.2	23.3	14.4
% admissions in 15 to 64 year olds	54.6	67.9	65.5	69.3
% admissions in 65 year olds and older	12.1	11.9	11.2	16.3
Rate of admissions in 0 to 14 year olds	0.7	0.4	0.5	0.4
Rate of admissions in 15 to 64 year olds	0.2	0.3	0.3	0.4
Rate of admissions in 65 year olds and older	0.4	0.4	0.4	0.7
% Emergency Admissions	49.8	53.9	52.4	49.6
% Admissions to West Middlesex University Hospital	58.9	64.2	59.2	48.5
% Admissions to Ashford and St Peters Hospitals	3.4	3.6	3.4	2.6
Mean Length of Stay (LOS)	4.2	3.2	5.6	3.7
Mean LOS in 0 to 14 year olds	2.3	2.3	4.3	1.2
Mean LOS in 15 to 64 year olds	4.0	3.3	6.1	2.9
Mean LOS in 65 year olds and older	10.12	4.1	5.4	8.8
Max. LOS	98	92	166	105
Max LOS in 0 to 14 year olds	18	28	42	21
Max LOS in 15 to 64 year olds	80	92	166	63
Max LOS in 65 year olds and older	98	28	46	105
Costs £	304,011.71	237,960.1	366,711	420,732
No. of individuals	127	120	116	131
% individuals in 0 to 14 year olds	27.6	21.7	16.4	16.8
% individuals in 15 to 64 year olds	59.1	64.2	74.1	66.4
% individuals in 65 year olds and older	13.4	14.2	9.5	16.8
Mean/median patient age	35/37	34.8/35	36/34.5	39.1/38
Mean/median patient age in 0 to 14 year olds	7/6	7.3/7	7.5/7	8.5/8
Mean/median patient age in 15 to 64 year olds	39.6/42	36.1/37	37.6/38	38.6/38
Mean/median patient age in 65 year olds and older	72.1/71	71.3/68	72.5/70	71.5/69.5
% males (of individuals)	40.2	58.3	51.7	53.4

Table 10: Linkage of learning disabilities patient records to inpatient admissions: Attendances by specialty. Data source - Secondary Uses Service

Description	2007/08	%	2008/09	%	2009/10	%	2010/11	%
Learning Disability	0.0	0.0	71.0	8.2	192.0	16.9	537.0	34.4
Trauma & Orthopaedics	49.0	6.3	61.0	7.0	63.0	5.6	110.0	7.0
Neurology	83.0	10.8	87.0	10.0	110.0	9.7	110.0	7.0
Ophthalmology	75.0	9.7	81.0	9.4	96.0	8.5	99.0	6.3
General Medicine	50.0	6.5	53.0	6.1	59.0	5.2	57.0	3.6
Paediatrics	51.0	6.6	69.0	8.0	73.0	6.4	57.0	3.6
Ear Nose & Throat	70.0	9.1	63.0	7.3	59.0	5.2	47.0	3.0
Nursing Episode	44.0	5.7	36.0	4.2	39.0	3.4	43.0	2.8
Allied Health Professional Episode	18.0	2.3	29.0	3.3	40.0	3.5	42.0	2.7
Cardiology	0.0	0.0	7.0	0.8	7.0	0.6	41.0	2.6

Table 11: Linkage of learning disabilities patient records to inpatient admissions: Emergency attendances by specialty. Data source - Secondary Uses Service

Description	2007/08	%	2008/09	%	2009/10	%	2010/11	%
Accident & Emergency	30.0	29.1	47.0	45.2	27.0	25.0	44.0	32.8
General Medicine	20.0	19.4	18.0	17.3	11.0	10.2	20.0	14.9
Gastroenterology	1.0	1.0	6.0	5.8	13.0	12.0	16.0	11.9
Paediatrics	28.0	27.2	13.0	12.5	16.0	14.8	12.0	9.0
Trauma & Orthopaedics	3.0	2.9	3.0	2.9	0.0	0.0	9.0	6.7
Geriatric Medicine	3.0	2.9	2.0	1.9	12.0	11.1	9.0	6.7
General Surgery	9.0	8.7	1.0	1.0	7.0	6.5	6.0	4.5
Adult Mental Illness	0.0	0.0	0.0	0.0	6.0	5.6	5.0	3.7
Anaesthetics	0.0	0.0	0.0	0.0	2.0	1.9	3.0	2.2
Cardiology	2.0	1.9	1.0	1.0	1.0	0.9	3.0	2.2

Table 12: Number of admissions per diagnosis ICD10 block: April 2007 to March 2011 - Top 10. Data source - Secondary Uses Service

ICD10 Block	Count	%
Episodic and paroxysmal disorders	96	11.5
Diseases of oral cavity, salivary glands and jaws	49	5.6
General symptoms and signs	41	4.7
Malignant neoplasms of thyroid and other endocrine glands	41	4.9
Other diseases of urinary system	39	4.6
Other acute lower respiratory infections	25	3.0
Diseases of oesophagus, stomach and duodenum	23	2.7
Influenza and pneumonia	22	2.7
Symptoms and signs involving the digestive system and abdomen	21	2.5
Symptoms and signs involving the circulatory and respiratory systems	18	2.1

Table 13: Number of individuals admitted per diagnosis ICD10 block: April 2007 to March 2011 - Top 10. Data source - Secondary Uses Service

ICD10 Block	Count	%
Episodic and paroxysmal disorders	49	8.3
Diseases of oral cavity, salivary glands and jaws	48	8.0
General symptoms and signs	35	6.2
Symptoms and signs involving the digestive system and abdomen	20	3.4
Diseases of oesophagus, stomach and duodenum	19	3.2
Other diseases of urinary system	18	3.2
Symptoms and signs involving the circulatory and respiratory systems	17	3.0
Other diseases of intestines	15	2.6
Infections of the skin and subcutaneous tissue	12	2.1
Influenza and pneumonia	11	1.8

### 1.3 Accident and Emergency attendances

Table 14: Attendances at A&amp;E: April 2007 to March 2011. Data source - Secondary Uses Service

Domain	2007/8	2008/9	2009/10	2010/11
No. of Attendances	298.0	312.0	348.0	431.0
% in 0 to 14 year olds	23.2	18.9	17.0	8.1
% in 15 to 64 year olds	65.4	70.8	73.9	76.6
% in 65 year olds and older	11.4	10.3	9.2	15.3
Attendances per all LD individuals 0 to 14 year olds	0.7	0.6	0.6	0.4
Attendances per all LD individuals 15 to 64 year olds	0.4	0.4	0.5	0.6
Attendances per all LD individuals in 65 year olds and older	0.6	0.5	0.5	1.1
% Group 1	18.5	12.5	11.5	6.3
% Group 2	49.3	58.7	57.8	64.7
% Group 3	13.8	14.7	9.5	8.8
% Group 4	18.5	14.1	21.3	20.2
% Arrival by ambulance	19.9	22.4	24.3	33.4
Costs £	22910.0	24476.0	34816.0	4496.0

Table 15: No. of individuals attending at A&amp;E: April 2007 to March 2011. Data source - Secondary Uses Service

Domain	Overall	2007/08	2008/09	2009/10	2010/11
No. of individuals	372.0	153.0	168.0	169.0	197.0
Mean no. of attendances per individual		1.9	1.9	2.1	2.2
Median no. of attendances per individual		1.0	1.0	1.0	1.0
Max. no. of attendances		15.0	9.0	18.0	31.0

Table 16: Cost groups A&amp;E: April 2007 to March 2011. Data source - Secondary Uses Service

Cost Level	2007/08	%	2008/09	%	2009/10	%	2010/11	%
Invalid For Grouping	0	0.0	2	0.6	1	0.3	0	0.0
High Cost Imaging (died/admitted)	5	1.7	8	2.6	12	3.4	11	2.6
High Cost Imaging (referred/discharged)	3	1.0	5	1.6	5	1.4	8	1.9
Other High Cost Investigation (died/admitted)	51	17.1	69	22.1	59	17.0	87	20.2
Other High Cost Investigation (referred/discharged)	62	20.8	67	21.5	76	21.8	94	21.8
Lower Cost Investigation (died/admitted)	19	6.4	18	5.8	23	6.6	29	6.7
Lower Cost Investigation (referred/discharged)	34	11.4	38	12.2	31	8.9	54	12.5
No Investigation (died/admitted)	18	6.0	6	1.9	12	3.4	9	2.1
No Investigation (referred/discharged)	106	35.6	99	31.7	126	36.2	139	32.3

Table 17: Cost groups A&amp;E: by LD group. Data source - Secondary Uses Service

Cost Level	Group 1	%	Group 2	%	Group 3	%	Group 4	%
Invalid For Grouping	0	0.0	1	0.1	2	1.3	0	0.0
High Cost Imaging (died/admitted)	2	1.2	22	2.7	8	5.1	4	1.5
High Cost Imaging (referred/discharged)	3	1.9	11	1.4	2	1.3	5	1.9
Other High Cost Investigation (died/admitted)	53	32.9	146	18.0	30	19.0	37	14.2
Other High Cost Investigation (referred/discharged)	26	16.1	181	22.3	36	22.8	56	21.5
Lower Cost Investigation (died/admitted)	5	3.1	52	6.4	14	8.9	18	6.9
Lower Cost Investigation (referred/discharged)	14	8.7	91	11.2	20	12.7	32	12.3
No Investigation (died/admitted)	8	5.0	27	3.3	1	0.6	9	3.5
No Investigation (referred/discharged)	50	31.1	279	34.4	45	28.5	96	36.9

## 1.4 Outpatient attendances

Table 18: Linkage of learning disabilities patient records to outpatient admissions. Data source - Secondary Uses Service

Domain	2007/8	2008/9	2009/10	2010/11
No. of Attendances	772.0	866.0	1134.0	1562.0
No. of first attendances	253.0	248.0	284.0	309.0
% in 0 to 14 year olds	23.6	23.0	19.5	14.8
% in 15 to 64 year olds	65.4	64.3	66.8	69.3
% in 65 year olds and older	11.0	12.7	13.8	15.9
Attendances per all LD individuals 0 to 14 year olds	1.9	2.1	2.3	2.4
Attendances per all LD individuals 15 to 64 year olds	1.0	1.1	1.5	2.1
Attendances per all LD individuals in 65 year olds and older	1.4	1.8	2.6	4.2
% Group 1	12.7	10.7	11.6	10.0
% Group 2	54.0	55.2	57.2	59.3
% Group 3	14.4	14.0	11.6	15.2
% Group 4	18.9	20.1	19.5	15.6
Cost £	52141.0	61453.0	72287.0	103464.0

Table 19: No. of individuals with LD attending at outpatient appointments: April 2007 to March 2011. Data source - Secondary Uses Service

	Overall	2007/08	2008/09	2009/10	2010/11
No. of individuals	442.0	245.0	260.0	276.0	288.0
Mean no. of attendances per individual		3.2	3.3	4.1	5.4
Median no. of attendances per individual		2.0	2.0	3.0	3.0
Max no. of attendances		27.0	17.0	43.0	119.0

Table 20: Attendances at outpatient by specialty: April 2007 to March 2011. Data source - Secondary Uses Service

Description	2007/08	%	2008/09	%	2009/10	%	2010/11	%
Learning Disability	0.0	0.0	71.0	8.2	192.0	16.9	537.0	34.4
Trauma & Orthopaedics	49.0	6.3	61.0	7.0	63.0	5.6	110.0	7.0
Neurology	83.0	10.8	87.0	10.0	110.0	9.7	110.0	7.0
Ophthalmology	75.0	9.7	81.0	9.4	96.0	8.5	99.0	6.3
General Medicine	50.0	6.5	53.0	6.1	59.0	5.2	57.0	3.6
Paediatrics	51.0	6.6	69.0	8.0	73.0	6.4	57.0	3.6
Ear, Nose & Throat	70.0	9.1	63.0	7.3	59.0	5.2	47.0	3.0
Nursing Episode	44.0	5.7	36.0	4.2	39.0	3.4	43.0	2.8
Allied Health Professional Episode	18.0	2.3	29.0	3.3	40.0	3.5	42.0	2.7
Cardiology	0.0	0.0	7.0	0.8	7.0	0.6	41.0	2.6

Table 21: Attendances at outpatient by specialty - new first contacts: April 2007 to March 2011. Data source - Secondary Uses Service

Description	2007/08	%	2008/09	%	2009/10	%	2010/11	%
Trauma & Orthopaedics	21.0	8.3	23.0	9.3	26.0	9.2	49.0	15.9
Nursing Episode	36.0	14.2	31.0	12.5	32.0	11.3	25.0	8.1
Ophthalmology	20.0	7.9	18.0	7.3	28.0	9.9	24.0	7.8
Cardiology	0.0	0.0	3.0	1.2	3.0	1.1	24.0	7.8
Neurology	20.0	7.9	19.0	7.7	27.0	9.5	22.0	7.1
General Medicine	13.0	5.1	8.0	3.2	15.0	5.3	19.0	6.1
Paediatrics	7.0	2.8	28.0	11.3	24.0	8.5	18.0	5.8
General Surgery	11.0	4.3	11.0	4.4	15.0	5.3	13.0	4.2
Gastroenterology	10.0	4.0	11.0	4.4	8.0	2.8	12.0	3.9
Gynaecology	4.0	1.6	2.0	0.8	15.0	5.3	12.0	3.9

## 2 NHS funded continuing care data

The data refers to individuals known to be in care from April 2008 to March 2011, although placements may have begun before that. These are all individuals who have been placed with a care provider. Those who either died before the service could be provided or for who there is no placement details given, have been excluded. Individuals were traced against the NHS Connecting for Health Spine to confirm NHS numbers, and whether they had died.

Table 22: Summary of NHS funded continuing care data

Indicator	Value
No. of Individuals	147
No. successfully traced	36
No. known to have died	1
% Male	25.2
% Gender not given	67.3
% Records with a date of birth given	35.4
Mean/Median age	42/42
Mean/Median age of males	39.1/38.5
Mean/Median age of females	41.9/42.5

Table 23: Summary of NHS funded continuing care LD data: Total costs for all individuals where a cost is recorded in the data

Indicator	Costs - all individuals
Mean	228
Median	165
Max	1144
No. of Individuals	143

Table 24: Summary of NHS funded continuing care LD data: Client Types

Client Type	Count	%
Aftercare following Section 3 discharge	6	4
LD	29	20
Not recorded	99	67
Section 3	6	4
Section 37	1	1
Treatment	6	4

### 3 Data from the London Borough of Hounslow (Swift data)

The following data was provided by London Borough of Hounslow on individuals with learning disabilities receiving support.

Table 25: Summary of LBH Swift LD data. Data source: London Borough of Hounslow

Indicator	Value
No. of Individuals	643
% Male	58.5
Mean/Median age	42.7/41
Mean/Median age of males	40.8/39
Mean/Median age of females	45.4/44

Table 26: Summary of LBH Swift LD data: Client Types. Data source: London Borough of Hounslow

Client Type	Count	%
Learning disability	628	98
Not Recorded	3	0
Physical disability, frailty and sensory impairment	12	2

Table 27: Summary of LBH Swift LD data: Ethnic group. Data source: London Borough of Hounslow

Ethnicity	Count	%	Population	Crude rate per 1000 population
White	441	69	135859	3
Indian	79	12	47512	2
Other	40	6	12813	3
Pakistani	25	4	11824	2
Other Asian	15	2	9549	2
Black African	16	2	7381	2
Black Other	5	1	4024	1
Black Caribbean	10	2	3060	3
Bangladeshi	4	1	2353	2
Chinese	1	0	2292	0
No information	4	1		
Refused	3	0		

## 4 Overlap between datasets

Figure 2: Venn diagram of the overlap between the three datasets of General Practice, the LBH Swift data and the NHS Continuing Care

