



North East Lincolnshire

Clinical Commissioning Group

Neurology Profile

These profiles have been developed to support the work of the Neurology Intelligence Network (NIN) in providing health intelligence with which to inform the provision of care and treatment of people in England who have a neurological condition.

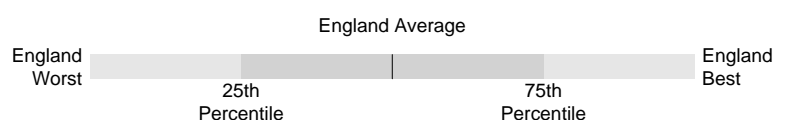
The indicators in the Neurological Profiles are currently arranged into three data domains covering:

- Neurology services;
- Epilepsy care;
- Emergency hospital admissions for neurological conditions.

Neurology Services

	Period	Local value	Eng. value	Eng. lowest	Range	Eng. highest
1 New outpatient neurology appointments for those aged 20+ DSR per 100,000 population (consultant)	2013/14	702.5	943.7	190.9		2470.4
2 New outpatient neurology appointments seen in home CCG (consultant)	2013/14	61.0	51.0	0.0		99.3
3 Follow up outpatient neurology appointments seen in home CCG (consultant)	2013/14	55.7	47.7	0.0		99.1
4 All outpatient neurology appointments seen in home CCG (consultant)	2013/14	59.3	49.5	0.0		98.9
5 All outpatient neurology appointments seen in home CCG (nursing)	2013/14	98.6	59.2	0.0		100
6 Follow up outpatient neurology appointments seen in home CCG (combined)	2013/14	60.9	48.3	0.0		99.1
7 All outpatient neurology appointments seen in home CCG (combined)	2013/14	62.5	49.8	0.0		98.9

- Significantly lower than England average
- Not significantly different from England average
- Significantly higher than England average



Epilepsy

	Period	Local value	Eng. value	Eng. lowest	Range	Eng. highest
Prevalence						
8 Recorded prevalence of Epilepsy (18 years and over)	2012/13	1027	780	457		1116
Primary Care - Drug Management						
9 Cost of the use of Phenytoin Sodium	2012/13	62223	74031	85		125138
10 Cost of use of Sodium Valproate	2012/13	44464	46656	53		67841
11 Cost of use of Levetiracetam	2012/13	21652	38885	22		79375
12 Cost of use of Carbamazepine	2012/13	40062	34141	43		46189
13 Cost of use of Other drugs excluding Pregabalin	2012/13	107000	125502	120		216824
Secondary Care - Overview						
14 Proportion of population admitted to hospital with a primary diagnosis of Epilepsy	2012/13	70.7	56.6	24.6		108.9
15 Proportion of population admitted to hospital with a mention of a diagnosis of Epilepsy	2012/13	341.5	282.4	151.4		493.3
16 Use of emergency bed-days following admissions for epilepsy	2012/13	267.0	252.0	88.7		540.2
17 Length of stay after an emergency admission for epilepsy.	2013/14	1.55	1.49	0.58		3.13
18 Epilepsy - DSR of admissions (Mention)	2013/14	426.4	401.3	212.3		855.2
Secondary Care - Diagnosis Process						
19 Proportion of admissions for epilepsy managed by a consultant neurologist	2012/13	7.5	11.3	3.6		44.0
Outcomes						
20 Epilepsy seizure free 12-month period	2013/14	65.8	61.1	46.5		87.1
21 Epilepsy - DSR of admissions (Primary Diagnosis)	2013/14	121.4	120.6	52.8		229.7
22 Epilepsy mortality rate	2009 - 13	1.83	1.64	1.33		2.22
23 Deaths from Epilepsy as rate per diagnosed cases.	2009 - 13	950 ^	916	739		1104

Note: ^ - Value estimated

Emergency Admissions to Hospital relating to a Neurological condition

	Period	Local value	Eng. value	Eng. lowest	Range	Eng. highest
24 All Conditions - DSR of admissions (Mention)	2013/14	2672	3410	1867		6715
25 Ataxia - Rate of admissions (Mention)	2013/14	5.8	7.6	2.8		20.3
26 Central Nervous System Infections - Rate of admissions (Mention)	2013/14	31.2	25.8	11.1		46.1
27 Central Nervous System Infections - Rate of admissions (Primary Diagnosis)	2013/14	24.7	16.9	6.6		33.6
28 Cranial Nerve Disorder - Rate of admissions (Mention)	2013/14	37.8	27.8	7.4		59.1
29 Cranial Nerve Disorder - Rate of admissions (Primary Diagnosis)	2013/14	15.6	10.0	3.3		24.4
30 Development Disorders - Rate of admissions (Mention)	2013/14	24.7	25.0	9.6		57.4
31 Epilepsy - DSR of admissions (Mention)	2013/14	426.4	401.3	212.3		855.2
32 Epilepsy - DSR of admissions (Primary Diagnosis)	2013/14	121.4	120.6	52.8		229.7
33 Functional Disorders - Rate of admissions (Mention)	2013/14	6.6	6.0	2.1		20.7
34 Headaches and Migraine - DSR admissions (Mention)	2013/14	130.8	256.3	129.9		558.1
35 Headaches and Migraine - DSR of admissions (Primary Diagnosis)	2013/14	72.9	153.8	72.9		298.9
36 Motor Neurone Disease & Spinal Muscular Atrophy - Rate of admissions (Mention)	2013/14	- *	9.2	2.5		21.4
37 Multiple Sclerosis & Inflammatory Disorders - Rate of admissions (Mention)	2013/14	55.9	58.1	28.0		99.9
38 Multiple Sclerosis & Inflammatory Disorders - Rate of admissions (Primary Diagnosis)	2013/14	10.7	6.6	2.5		21.9
39 Neuromuscular Diseases - Rate of admissions (Mention)	2013/14	38.6	35.7	11.0		114.8
40 Neuromuscular Diseases - Rate of admissions (Primary Diagnosis)	2013/14	8.2	8.7	3.8		35.6
41 Parkinsonism & other Extrapramidal Disorders/Tic Disorder - DSR of admissions (Mention)	2013/14	179.2	182.7	89.6		397.3
42 Parkinsonism & other Extrapramidal Disorders/Tic Disorder - Rate of admissions (Primary Diagnosis)	2013/14	13.2	11.9	4.0		27.0
43 Peripheral Nerve Disorders - DSR of admissions (Mention)	2013/14	86.7	73.1	14.0		293.1
44 Spondylotic Myelopathy & Radiculopathy - DSR of admissions (Mention)	2013/14	41.5	54.0	18.3		139.6
45 Spondylotic Myelopathy & Radiculopathy - Rate of admissions (Primary Diagnosis)	2013/14	20.6	18.0	6.0		46.9
46 Traumatic Brain & Spine Injury - DSR of admissions (Mention)	2013/14	45.4	46.9	21.6		104.2
47 Traumatic Brain & Spine Injury - DSR of admissions (Primary Diagnosis)	2013/14	36.7	38.9	19.1		89.8
48 Tumours of the Nervous System - DSR of admissions(Mention)	2013/14	55.1	61.7	34.3		105.6
49 Tumours of the Nervous System - Rate of admissions (Primary Diagnosis)	2013/14	19.7	19.4	6.6		43.3

Note: * - Disclosure control applied

Definitions

Neurology Services

1 Age standardised rate of new outpatient appointments (consultant led) for those aged 20+ 2 Percentage of new outpatient neurology consultant led appointments that were provided in home CCG (by residence) 3 Percent of follow up outpatient neurology consultant led appointments that were provided within the home CCG (by residence) 4 Percent of all outpatient neurology consultant led appointments that were provided within the home CCG (by residence) 5 Percentage of all outpatient neurology nursing appointments that were provided within home CCG (by residence) 6 Percent of follow up outpatient neurology consultant and nursing appointments that were provided within the home CCG (by residence) 7 Percent of all outpatient neurology consultant and nursing appointments that were provided within the home CCG (by residence)

Epilepsy

8 The number of people aged 18 years and over receiving drug treatment for epilepsy recorded on practice register as a proportion of all people (18+) registered in the CCG. 9 Two quarter cost of the use of Phenytoin Sodium Q1Q2201314 per 1,000 registered cases for Epilepsy drug treatment recorded on practice registers. 10 Two quarter cost of the use of Sodium Valproate Q1Q2201314 per 1,000 registered cases for Epilepsy drug treatment recorded on practice registers. 11 Two quarter cost of the use of Levetiracetam Q1Q2201314 per 1,000 registered cases for Epilepsy drug treatment recorded on practice registers. 12 Two quarter cost of the use of Carbamazepine Q1Q2201314 per 1,000 registered cases for Epilepsy drug treatment recorded on practice registers. 13 Two quarter cost of the use of Other drugs excl Pregabalin Q1Q2201314 per 1,000 registered cases for Epilepsy drug treatment recorded on practice registers. 14 Proportion of population admitted to hospital with a primary diagnosis of Epilepsy per 100,000 population (18+). 15 Proportion of population admitted to hospital with a mention of a diagnosis of Epilepsy per 100,000 population (18+). 16 The sum of individual hospital lengths of stay following an emergency admission where the primary diagnosis was for epilepsy per 100,000 population. 17 Average length of stay (calculated as a mean number of days) after an emergency admission for epilepsy. 18 Age standardised rate of emergency admissions to hospital due to Epilepsy with a mention of Epilepsy in the diagnosis code, for those aged 20+ (CCG resident population). 19 In patient admissions where the specialist code was recorded as consultant neurologist. The main specialty code for Neurology is 400. Percentage rates were calculated with respect to the total episode counts pertaining to neurological conditions. 20 Proportion of individuals aged 18 years and over receiving drug treatment for epilepsy recorded on practice register who have been seizure free in the last 12-months 21 Age standardised rate of emergency admissions to hospital due to Epilepsy with a primary diagnosis of epilepsy in the diagnosis code, for those aged 20+ (CCG resident population). 22 Age-standardised rate of mortality from epilepsy in persons 18-74 years old per 100,000 population. 23 Five year deaths data (2009-13) as rate per 100,000 diagnosed case of Epilepsy recorded on primary care register averaged for two years 2012-13 and 2013-14. Calculated at Area Team level.

Emergency Admissions to Hospital relating to a Neurological condition

24 Age standardised rate of emergency admissions to hospital due to a neurological condition with a mention of any of the neurological conditions in the diagnosis code, for those aged 20+ (CCG resident population). 25 The crude rate of emergency admissions to hospital due to Ataxia with a mention of Ataxia in the diagnosis code, per 100,000; 20+ population (CCG resident population). 26 The crude rate of emergency admissions to hospital due to Central Nervous System Infections with a mention of Central Nervous System Infections in the diagnosis code, per 100,000; 20+ population (CCG resident population). 27 The crude rate of emergency admissions to hospital due to Central Nervous System Infections as the primary diagnosis, for those aged 20+ per 100,000 (CCG resident population). 28 The crude rate of emergency admissions to hospital due to Cranial Nerve Disorder with a mention of Cranial Nerve Disorder in the diagnosis code, per 100,000; 20+ population (CCG resident population). 29 The crude rate of emergency admissions to hospital due to Cranial Nerve Disorder as the primary diagnosis, for those aged 20+ per 100,000 (CCG resident population). 30 The crude rate of emergency admissions to hospital due to Development Disorders with a mention of Development Disorders in the diagnosis code, per 100,000; 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20+ population (CCG resident population). 38 The crude rate of emergency admissions to hospital due to Multiple Sclerosis and Inflammatory Disorders as the primary diagnosis, for those aged 20+ per 100,000 (CCG resident population). 39 The crude rate of emergency admissions to hospital due to Neuromuscular Diseases with a mention of Neuromuscular Diseases in the diagnosis code, per 100,000; 20+ population (CCG resident population). 40 The crude rate of emergency admissions to hospital due to Neuromuscular Diseases as the primary diagnosis, for those aged 20+ per 100,000 (CCG resident population). 41 Age standardised rate of emergency admissions to hospital due to Parkinsonism and other Extrapryramidal Disorders/Tic Disorder with a mention of Parkinsonism and other Extrapryramidal Disorders/Tic Disorder in the diagnosis code, for those aged 20+ (CCG resident population). 42 The crude rate of emergency admissions to hospital due to Parkinsonism & other Extrapryramidal Disorders/Tic Disorder as the primary diagnosis, for those aged 20+ per 100,000 (CCG resident population). 43 Age standardised rate of emergency admissions to Peripheral Nerve Disorders with a mention of Peripheral Nerve Disorders in the diagnosis code, for those aged 20+ (CCG resident population). 44 Age standardised rate of emergency admissions to Spondylotic Myelopathy and Radiculopathy with a mention of Spondylotic Myelopathy and Radiculopathy in the diagnosis code, for those aged 20+ (CCG resident population). 45 The crude rate of emergency admissions to hospital due to Spondylotic Myelopathy and Radiculopathy with a primary diagnosis of Spondylotic Myelopathy and Radiculopathy in the diagnosis code, for those aged 20+ (CCG resident population). 46 Age standardised rate of emergency admissions to Traumatic Brain and Spine Injury with a mention of Traumatic Brain and Spine Injury in the diagnosis code, for those aged 20+ (CCG resident population). 47 Age standardised rate of emergency admissions to hospital due to Traumatic Brain and Spine injury with a primary diagnosis of Traumatic Brain and Spine injury in the diagnosis code, for those aged 20+ (CCG resident population). 48 Age standardised rate of emergency admissions to Tumours of the Nervous System with a mention of Tumours of the Nervous System in the diagnosis code, for those aged 20+ (CCG resident population). 49 The crude rate of emergency admissions to hospital due to Tumours of the nervous system as the primary diagnosis, for those aged 20+ per 100,000 (CCG resident population).