

Ref: FOI/CAD/ID 4120

**Please reply to:**  
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12 December 2017

## Freedom of Information Act 2000

I am writing in response to your request for information made under the Freedom of Information Act 2000 in relation to Neuromuscular conditions.

*For the purposes of this request:*

- Neuromuscular conditions refer to any such conditions, including all types of Muscular dystrophy;
  - Muscular dystrophy refers to all such conditions including Duchenne muscular dystrophy; and
  - Duchenne muscular dystrophy refers only to that specific condition
1. Please provide information on the total number of unplanned admissions to your Trust for patients with the following conditions broken down by hospital (where appropriate) and by calendar year since 2011 including data for 2017 to date. If you hold data by financial year then that is acceptable also:
    - a. Neuromuscular conditions – this includes any peripheral neuropathy, guillain barre syndrome, myasthenia gravis, any primary muscle disease, this is a very wide classification including lots of different conditions
    - b. Muscular dystrophies – includes Duchenne, Becker, myotonic dystrophy, and any genetic muscular dystrophy
    - c. Duchenne muscular dystrophy – these will be mostly children, mostly male
  2. Please provide a breakdown of the reasons for the unplanned admissions e.g. Accident, breathing problems, etc – this should be broken down by the relevant data sets that you hold, broken down by hospital (where appropriate) and by calendar year since 2011 including data for 2017 to date. If you hold data by financial year then that is acceptable also.
  3. Please provide the following outcomes broken down by the same hospitals (as appropriate), calendar (or financial) years for each condition as detailed above:
    - a. Discharged from A&E
    - b. Admitted to hospital and subsequently discharged
    - c. Died

4. Please provide a breakdown of unexpected deaths of patients in your Trust broken down by the above conditions and by the same hospitals (as appropriate), and by calendar (or financial) years.
5. Please provide details of any changes that your Trust has made to care and other policies as a result of unexpected deaths of patients with the referenced conditions in the time period stated.
6. Please provide a copy of the protocols to be followed by all paramedic, ambulance and A&E staff dealing with an unplanned admission of a patient with one of the specified conditions.
7. Please provide details of adaptations provided by hospitals in your trust for persons with neuromuscular (and other) conditions who may not be ambulant, or who may be unable to lift items such as cutlery, press buttons etc. For example, provision of hoists, wash/dry toilets, adapted call buttons; intercom systems; modified cutlery; provision of staff to feed a patient who is unable to do so him or herself due to muscle wasting.
8. Please provide details of the procedures hospitals in your trust follow if a physiotherapist is required at night for persons who have a neuromuscular condition, especially if physiotherapists are not normally on duty in the night.

**1. Number of non-elective admissions Jan 2011 - June 2017 with the following ICD10 codes in primary and secondary positions by hospital**

a. Neuromuscular conditions – ICD10 codes G60\* to G64\* or G70\* to G73\* inclusive

Jan 2011-Jun 2017	MAID	TWH	KS	TCH	Grand Total
2011	95	33	87		215
2012	94	120		1	215
2013	109	183		1	293
2014	107	146		1	254
2015	127	144		2	273
2016	167	141			308
2017	62	80			142
<b>Grand Total</b>	<b>761</b>	<b>847</b>	<b>87</b>	<b>5</b>	<b>1700</b>

b. Muscular dystrophies – ICD10 codes used G71\* inclusive (therefore also included in the above)

Jan 2011-Jun 2017	MAID	TWH	KS	TCH	Grand Total
2011	10	5	9		24
2012	10	16		1	27
2013	8	21			29
2014	10	24			34
2015	17	24			41
2016	19	33			52
2017	2	17			19
<b>Grand Total</b>	<b>76</b>	<b>140</b>	<b>9</b>	<b>1</b>	<b>226</b>

c. Duchenne muscular dystrophy – ICD10 code used G71.0 (therefore also included in both tables above)

Jan 2011-Jun 2017	MAID	TWH	KS	TCH	Grand Total
2011	4	3	5		12
2012	7	4		1	12
2013	7	9			16
2014	10	10			20

2015	9	9			18
2016	9	14			23
2017	1	9			10
<b>Grand Total</b>	<b>47</b>	<b>58</b>	<b>5</b>	<b>1</b>	<b>111</b>

## **2 Breakdown of patients from question 1 by primary diagnosis, i.e. main reason for admission**

a. Neuromuscular conditions – ICD10 codes G60\* to G64\* or G70\* to G73\* inclusive

<b>2011</b>	<b>MAID</b>	<b>TWH</b>	<b>KS</b>	<b>Grand Total</b>
Guillain-Barré syndrome	9	7	2	18
Urinary tract infection, site not specified	7	2	1	10
Type 2 diabetes mellitus	4		5	9
Lobar pneumonia, unspecified	2	1	3	6
Atrial fibrillation and flutter	2	2	1	5
Syncope and collapse		1	4	5
Chron obstruct pulmonary dis wth acute exacerbation, unspec	1	1	2	4
Polyneuropathy, unspecified	1		3	4
Unspecified acute lower respiratory infection	4			4
Cellulitis of other parts of limb	1	1	2	4
Transient cerebral ischaemic attack, unspecified	3	1		4
Acute myocardial infarction, unspecified	1	1	2	4
Type 1 diabetes mellitus	2		1	3
Unspecified injury of head			3	3
Ulcer of lower limb, not elsewhere classified	2		1	3
Chest pain, unspecified		1	2	3
Other cerebral infarction	1		2	3
Noninfective gastroenteritis and colitis, unspecified	1	1	1	3
Alcoholic liver disease, unspecified		2		2
Influenza with pneumonia seasonal influenza virus identified			2	2
Fractures of other parts of lower leg			2	2
Asthma, unspecified	1		1	2
Subtrochanteric fracture	2			2
Unstable angina	1		1	2
Fracture of lower end of tibia			2	2
Cellulitis of finger and toe	2			2
Gout, unspecified		2		2
Pneumonia, unspecified	1	1		2
Agranulocytosis			2	2
Malignant neoplasm: Upper lobe, bronchus or lung	1	1		2
Other superficial injuries of hip and thigh			1	1
Observation for other suspected diseases and conditions	1			1
Sepsis, unspecified			1	1
Dysphagia	1			1
Other and unspecified intestinal obstruction			1	1
Dyspnoea	1			1

Pneumonitis due to food and vomit		1		1
Erythema multiforme, unspecified	1			1
Disease of stomach and duodenum, unspecified			1	1
First degree perineal laceration during delivery	1			1
Oth comps genitourinary prosth devs implants & grafts			1	1
Fluid overload	1			1
Other pneumothorax			1	1
Fracture of lower end of femur			1	1
Pertrochanteric fracture			1	1
Atrial premature depolarization	1			1
Sciatica	1			1
Fracture of lumbar vertebra			1	1
Supraventricular tachycardia	1			1
Fracture of neck of femur		1		1
Diverticular dis of small intestine with perf and abscess			1	1
Fracture of other finger	1			1
Open wound of scalp	1			1
Fracture of patella			1	1
Other and unspecified convulsions			1	1
Fracture of rib			1	1
Other chronic pancreatitis			1	1
Fracture of sacrum			1	1
Other specified general symptoms and signs			1	1
Fracture of upper end of tibia			1	1
Pain localized to upper abdomen	1			1
Benign neoplasm: Meninges, unspecified			1	1
Pneumonia due to Klebsiella pneumoniae	1			1
Gastroenteritis and colitis due to radiation	1			1
Crohn disease of large intestine		1		1
Gastrointestinal haemorrhage, unspecified			1	1
Senility	1			1
Atherosclerotic heart disease			1	1
Spondylosis, unspecified	1			1
Acute transmural myocardial infarction of inferior wall	1			1
Diaphragmatic hernia without obstruction or gangrene	1			1
Hereditary and idiopathic neuropathy, unspecified			1	1
Disorientation, unspecified			1	1
Inf inflamm react due oth int prosth devs implants & grafts	1			1
Dizziness and giddiness			1	1
Infect and inflamm react due int fixation dev [any site]			1	1
Open wound of knee	1			1
Infect inflamm reac due oth card vasc devs implant and graft		1		1
Orthostatic hypotension		1		1
Infection following a procedure, not elsewhere classified			1	1
Other and unspecified abdominal pain	1			1

Influenza with oth resp manifestation virus not identified			1	1
Other and unspecified disturbances of skin sensation			1	1
Acute sinusitis, unspecified	1			1
Chronic obstruct pulmonary dis with acute lower resp infec	1			1
Intestinal adhesions [bands] with obstruction		1		1
Other iron deficiency anaemias	1			1
Intracerebral haemorrhage, unspecified			1	1
Other specified cerebrovascular diseases			1	1
Labyrinthitis			1	1
Other specified interstitial pulmonary diseases		1		1
Liver disease, unspecified		1		1
Pain localized to other parts of lower abdomen			1	1
Adult hypertrophic pyloric stenosis	1			1
Palpitations	1			1
Volvulus	1			1
Pleural effusion, not elsewhere classified			1	1
Malignant neoplasm of rectosigmoid junction	1			1
Constipation	1			1
Malignant neoplasm: Bronchus or lung, unspecified	1			1
Poisoning: Other opioids	1			1
Malignant neoplasm: Pancreas, unspecified	1			1
Radiculopathy	1			1
Malignant neoplasm: Temporal lobe	1			1
Secondary malignant neoplasm of bone and bone marrow	1			1
Angina pectoris with documented spasm	1			1
Sepsis due to other Gram-negative organisms	1			1
Acute renal failure, unspecified	1			1
Spinal stenosis	1			1
Mech comp of internal fixation device of bones of limb			1	1
Degeneration of nervous system due to alcohol			1	1
Megacolon, not elsewhere classified	1			1
Alcoholic cirrhosis of liver	1			1
Mental and behavioural disorders due to use of alcohol			1	1
Traumatic subdural haemorrhage	1			1
Multiple fractures of ribs			1	1
Alcoholic polyneuropathy			1	1
Multiple myeloma	1			1
Anaemia, unspecified			1	1
Myalgia			1	1
Unspecified renal colic	1			1
Myelodysplastic syndrome, unspecified			1	1
Duodenal ulcer	1			1
Acute subendocardial myocardial infarction			1	1
Malignant otitis externa			1	1
Malaise and fatigue	1			1

<b>Grand Total</b>	<b>95</b>	<b>33</b>	<b>87</b>	<b>215</b>
<b>2012</b>	<b>MAID</b>	<b>TWH</b>	<b>TCH</b>	<b>Grand Total</b>
Polyneuropathy, unspecified	2	15		17
Other inflammatory polyneuropathies		15		15
Unspecified acute lower respiratory infection	3	6		9
Other specified polyneuropathies		7		7
Type 1 diabetes mellitus	1	5		6
Chronic obstruct pulmonary dis with acute lower resp infec	4	1		5
Guillain-Barré syndrome	2	3		5
Myasthenia gravis	2	3		5
Atrial fibrillation and flutter	1	3		4
Urinary tract infection, site not specified	4			4
Chest pain, unspecified	2	1		3
Tendency to fall, not elsewhere classified	1	2		3
Supraventricular tachycardia	3			3
Hypoglycaemia, unspecified		3		3
Multiple myeloma	3			3
Lobar pneumonia, unspecified	2	1		3
Fracture of neck of femur	1	2		3
Mental and behavioural disorders due to use of alcohol		3		3
Acute myocardial infarction, unspecified	1	1		2
Type 2 diabetes mellitus	2			2
Precordial pain	2			2
Agranulocytosis	1	1		2
Infect inflamm reac due oth card vasc devs implant and graft	2			2
Dizziness and giddiness	2			2
Pain in joint	2			2
Effusion of joint	1	1		2
Sepsis, unspecified	2			2
Headache	2			2
Hypokalaemia	1	1		2
Cerebral infarction, unspecified	2			2
Sacroiliitis, not elsewhere classified		1		1
Other specified intervertebral disc displacement	1			1
Tubulo-interstitial nephritis not spec as acute or chronic	1			1
Epilepsy, unspecified	1			1
Phlebitis/thrombophlebitis oth deep vessels low extremties		1		1
Epistaxis		1		1
Subtrochanteric fracture		1		1
Foreign body in oesophagus		1		1
Bronchopneumonia, unspecified		1		1
Fracture of fibula alone		1		1
Pain in limb	1			1
Fracture of lateral malleolus	1			1

Calculus of gallbladder without cholecystitis		1		1
Fracture of lower end of radius		1		1
Senility		1		1
Alcoholic hepatic failure	1			1
TB lung confirm sputum microscopy with or without culture		1		1
Fracture of shaft of humerus		1		1
Cellulitis of trunk	1			1
Fractures of other parts of lower leg		1		1
Other specified cerebrovascular diseases		1		1
Gastritis, unspecified	1			1
Calculus of gallbladder with acute cholecystitis		1		1
Gastrointestinal haemorrhage, unspecified		1		1
Pericardial effusion (noninflammatory)	1			1
Anaemia, unspecified	1			1
Pneumonia due to Streptococcus pneumoniae	1			1
Haemorrhage of anus and rectum		1		1
Pulmonary embolism without mention of acute cor pulmonale	1			1
Constipation	1			1
Sec & uns malig neoplasm of axillary & upp limb lymph nodes	1			1
Hyperkalaemia	1			1
Stroke, not specified as haemorrhage or infarction			1	1
Ataxia, unspecified		1		1
Campylobacter enteritis	1			1
Cough		1		1
Toxic gastroenteritis and colitis	1			1
Hypo-osmolality and hyponatraemia	1			1
Dyspnoea		1		1
Hypothermia not assoc with low environmental temperature		1		1
Congestive heart failure	1			1
Idiopathic thrombocytopenic purpura	1			1
Other spec compli cardiac vasc prosth devices impl grafts		1		1
Inf inflamm react due oth int prosth devs implants & grafts		1		1
Other specified disorders of penis		1		1
Deficiency of other specified B group vitamins	1			1
Other specified myopathies	1			1
Intestinal adhesions [bands] with obstruction		1		1
Dilated cardiomyopathy		1		1
Left ventricular failure	1			1
Parkinson disease	1			1
Atherosclerotic heart disease		1		1
Pertrochanteric fracture	1			1
Mechanical complication of urinary (indwelling) catheter	1			1
Pleural effusion, not elsewhere classified		1		1
Unspecified injury of wrist and hand	1			1
Pneumonia, unspecified	1			1

Diffuse large B-cell lymphoma	1			1
Disorders of plasmaprotein metabolism NEC	1			1
Viral intestinal infection, unspecified	1			1
Rectal prolapse	1			1
Multiple fractures of fingers		1		1
Scoliosis, unspecified		1		1
Atrioventricular block, complete		1		1
Secondary malignant neoplasm of bone and bone marrow	1			1
Muscular dystrophy	1			1
Acute transmural myocardial infarction of inferior wall	1			1
Atrioventricular block, second degree	1			1
Subdural haemorrhage (acute)(nontraumatic)		1		1
Myelodysplastic syndrome, unspecified	1			1
Superficial injury of nose		1		1
Necrotizing fasciitis	1			1
Syncope and collapse	1			1
Unspecified injury of head	1			1
Cellulitis of finger and toe		1		1
Orthostatic hypotension	1			1
Transient cerebral ischaemic attack, unspecified		1		1
Other and unspecified abdominal pain		1		1
Cellulitis of other parts of limb		1		1
Other and unspecified abnormal involuntary movements		1		1
Ulcer of lower limb, not elsewhere classified		1		1
Other and unspecified convulsions		1		1
Unspecified injury of abdomen, lower back and pelvis		1		1
Other cerebral infarction		1		1
Other chest pain	1			1
Open wound of eyelid and periocular area	1			1
Ventricular premature depolarization		1		1
Missed abortion		1		1
Acute myeloblastic leukaemia [AML]		1		1
Mitral (valve) insufficiency		1		1
<b>Grand Total</b>	<b>94</b>	<b>120</b>	<b>1</b>	<b>215</b>
<b>2013</b>	<b>MAID</b>	<b>TWH</b>	<b>TCH</b>	<b>Grand Total</b>
Other inflammatory polyneuropathies	3	26		29
Type 1 diabetes mellitus	2	10		12
Urinary tract infection, site not specified	7	5		12
Polyneuropathy, unspecified	2	6		8
Tendency to fall, not elsewhere classified	4	4		8
Guillain-Barré syndrome	1	7		8
Atrial fibrillation and flutter	2	5		7
Myasthenia gravis	4	3		7
Unspecified acute lower respiratory infection	3	3		6



Type 2 diabetes mellitus	3	3		6
Sepsis, unspecified	4	1		5
Cellulitis of other parts of limb	3	2		5
Other specified polyneuropathies		5		5
Osteomyelitis, unspecified	1	3		4
Lobar pneumonia, unspecified	3	1		4
Chest pain, unspecified	1	3		4
Headache	1	3		4
Hypoglycaemia, unspecified	4			4
Muscular dystrophy		3		3
Syncope and collapse	2	1		3
Gastroenteritis and colitis of unspecified origin	2	1		3
Ascites		3		3
Cutaneous abscess, furuncle and carbuncle of limb		3		3
Angina pectoris, unspecified	2	1		3
Dyspnoea	2	1		3
Heart failure, unspecified		3		3
Other cerebral infarction		2	1	3
Chronic obstruct pulmonary dis with acute lower resp infec	1	2		3
Other and unspecified abdominal pain		3		3
Acute renal failure, unspecified	1	1		2
Stroke, not specified as haemorrhage or infarction	2			2
Pneumonia, unspecified	1	1		2
Fractures of other parts of lower leg		2		2
Acute myocardial infarction, unspecified	2			2
Atherosclerotic heart disease		2		2
Pertrochanteric fracture		2		2
Hyperkalaemia	2			2
Spinal stenosis	1	1		2
Bronchopneumonia, unspecified		2		2
Constipation	1	1		2
Left ventricular failure	2			2
Disorientation, unspecified	1	1		2
Motor neuron disease		2		2
Acute respiratory failure		2		2
Cellulitis of finger and toe		2		2
Other streptococcal sepsis	1	1		2
Phlebitis/thrombophlebitis superfic vessels low extremities	1			1
Fracture of lower end of radius		1		1
Other specified diabetes mellitus	1			1
Malaise and fatigue		1		1
Acidosis	1			1
Malignant neoplasm: Oesophagus, unspecified		1		1
Disruption of operation wound, not elsewhere classified		1		1
Mech comp gastrointestinal prosth devs implants & grafts	1			1

Bell palsy		1		1
Melaena		1		1
Duodenal ulcer		1		1
Mental and behavioural disorders due to use of alcohol		1		1
Visual hallucinations		1		1
Fracture of rib	1			1
Open wound of head, part unspecified		1		1
Multiple myeloma	1			1
Malignant neoplasms of independent (primary) multiple sites	1			1
Cauda equina syndrome	1			1
Congestive heart failure		1		1
Essential (primary) hypertension		1		1
Fever, unspecified		1		1
Myotonic disorders		1		1
Ulcer of lower limb, not elsewhere classified		1		1
Nausea and vomiting	1			1
Infect inflamm reac due oth card vasc devs implant and graft	1			1
Neuromuscular dysfunction of bladder, unspecified	1			1
Other spec symptoms signs involv nervous/musculoskel systs		1		1
Oesophagitis		1		1
Other gastritis	1			1
Open wound of other parts of head	1			1
Superficial injury of other parts of head	1			1
Orthostatic hypotension	1			1
Cellulitis of external ear		1		1
Alcoholic cirrhosis of liver		1		1
Superficial injury of shoulder and upper arm, unspecified		1		1
Other intracerebral haemorrhage	1			1
Malignant neoplasm: Liver cell carcinoma	1			1
Occlusion and stenosis of carotid artery		1		1
Secondary malignant neoplasm of bone and bone marrow	1			1
Secondary malignant neoplasm of brain and cerebral meninges	1			1
Haemorrhage of anus and rectum		1		1
Cord compression, unspecified	1			1
Bronchiectasis		1		1
Alcoholic hepatic failure	1			1
Thrombocytopenia, unspecified	1			1
Other chest pain	1			1
Drug-induced myopathy		1		1
Chron obstruct pulmonary dis with acute exacerbation, unspec	1			1
Unsp comp int othopaedic prosth dev implant & graft		1		1
Other specified abnormal findings of blood chemistry	1			1
Unstable angina	1			1
Other specified diseases of stomach and duodenum	1			1
Viral intestinal infection, unspecified	1			1

Other specified myopathies		1		1
Fracture of neck of femur		1		1
Anaemia, unspecified		1		1
Alcoholic myopathy		1		1
Other specified soft tissue disorders		1		1
Calculus of bile duct without cholangitis or cholecystitis	1			1
Other symptoms and signs involving appearance and behaviour		1		1
Other disorders of peripheral nervous system		1		1
Pain in joint		1		1
Decubitus ulcer and pressure area, unspecified		1		1
Nephrotic syndrome	1			1
Disorders of phosphorus metabolism and phosphatases	1			1
Epistaxis		1		1
TB lung without mention of bact or histological confirm		1		1
Extranod marg zone Bcell lymph mucaso lymph tiss [MALTlymph]	1			1
Superficial injury of head, part unspecified		1		1
Pleural effusion, not elsewhere classified	1			1
Primary angle-closure glaucoma	1			1
Acute upper respiratory infection, unspecified		1		1
Bradycardia, unspecified	1			1
Chronic respiratory failure	1			1
Anoxic brain damage, not elsewhere classified		1		1
Post-traumatic wound infection, not elsewhere classified		1		1
Other specified injuries of head		1		1
Precordial pain	1			1
Cardiac arrest, unspecified		1		1
Pulmonary embolism without mention of acute cor pulmonale	1			1
Pain localized to upper abdomen		1		1
Palpitations		1		1
Symptomatic neurosyphilis		1		1
Other and unspecified abnormalities of gait and mobility		1		1
Neoplasm of uncertain or unknown behaviour, unspecified		1		1
Other and unspecified convulsions		1		1
Acute cholecystitis		1		1
Other and unspecified speech disturbances		1		1
<b>Grand Total</b>	<b>109</b>	<b>183</b>	<b>1</b>	<b>293</b>
<b>2014</b>	<b>MAID</b>	<b>TWH</b>	<b>TCH</b>	<b>Grand Total</b>
Other inflammatory polyneuropathies		14		14
Unspecified acute lower respiratory infection	7	6		13
Cellulitis of other parts of limb	6	5		11
Guillain-Barré syndrome	6	4		10
Syncope and collapse	2	7		9
Urinary tract infection, site not specified	5	1		6
Chronic obstruct pulmonary dis with acute lower resp infec	3	2		5

Tendency to fall, not elsewhere classified		5		5
Chest pain, unspecified	3	2		5
Polyneuropathy, unspecified	4	1		5
Other specified polyneuropathies	1	4		5
Type 1 diabetes mellitus	2	2		4
Other and unspecified convulsions		4		4
Type 2 diabetes mellitus	1	3		4
Anaemia, unspecified		3		3
Lobar pneumonia, unspecified	3			3
Dizziness and giddiness	2	1		3
Ulcer of lower limb, not elsewhere classified		3		3
Myasthenia gravis	2	1		3
Unspecified haematuria	1	2		3
Other and unspecified abnormalities of gait and mobility	2	1		3
Pertrochanteric fracture		3		3
Volume depletion	2			2
Drug-induced myopathy	1	1		2
Other specified myopathies	1	1		2
Fractures of other parts of lower leg		2		2
Ascites		2		2
Gastritis, unspecified	1	1		2
Chronic kidney disease, stage 5	1	1		2
Gastroenteritis and colitis of unspecified origin		2		2
Sepsis, unspecified	1	1		2
Headache	2			2
Cerebral infarction, unspecified	2			2
Left ventricular failure		2		2
Unstable angina	1	1		2
Mental and behavioural disorders due to use of alcohol	2			2
Volvulus		2		2
Orthostatic hypotension	2			2
Other and unspecified abdominal pain	1	1		2
Precordial pain	1	1		2
Sprain and strain of hip		1		1
Intestinal adhesions [bands] with obstruction		1		1
Malignant neoplasm: Other parts of pancreas	1			1
Coxarthrosis, unspecified		1		1
Fracture of acetabulum		1		1
Lymphoedema, not elsewhere classified		1		1
Other spec symptoms signs involv nervous/musculoskel systs		1		1
Malaise and fatigue	1			1
Fracture of thoracic vertebra		1		1
Malignant neoplasm: Upper lobe, bronchus or lung	1			1
Anaemia in neoplastic disease	1			1
Mechanical complication of urinary (indwelling) catheter	1			1

Fracture of shafts of both ulna and radius		1		1
Fracture of lower end of tibia		1		1
Ulcerative colitis, unspecified		1		1
Muscular dystrophy	1			1
Subjective visual disturbances	1			1
Disorientation, unspecified		1		1
Open wound of other parts of forearm	1			1
Myopathy, unspecified		1		1
Infection following a procedure, not elsewhere classified		1		1
Nausea and vomiting		1		1
Other specified cardiac arrhythmias		1		1
Oesophagitis		1		1
Visual field defects	1			1
Open wound of other parts of lower leg		1		1
Sepsis due to streptococcus, group B		1		1
Open wound of scalp		1		1
Perforation of intestine (nontraumatic)		1		1
Fracture of pubis		1		1
Vascular parkinsonism		1		1
Atrial fibrillation and flutter		1		1
Glycogen storage disease		1		1
Diverticular dis of large intestine without perf or abscess		1		1
Atrioventricular block, first degree	1			1
Congestive heart failure	1			1
Haemorrhage and haematoma complicating a procedure NEC		1		1
Other and unspecified speech disturbances		1		1
Superficial injury of other and unspecified parts of thorax		1		1
Other cerebral infarction			1	1
Disorders of zinc metabolism	1			1
Other chest pain		1		1
Essential (primary) hypertension	1			1
Atrioventricular block, complete		1		1
Chron obstruct pulmonary dis with acute exacerbation, unspec		1		1
Fracture of upper end of tibia		1		1
Iron deficiency anaemia, unspecified	1			1
Mechanical complication of other urinary devices and implant	1			1
Alcoholic hepatitis	1			1
Hyperosmolality and hypernatraemia		1		1
Acidosis		1		1
Trichilemmal cyst		1		1
Malignant neoplasm of thyroid gland	1			1
Other specified dermatitis	1			1
Labyrinthitis	1			1
Pain localized to other parts of lower abdomen		1		1
Other and unspecified injuries of cervical spinal cord		1		1

Palpitations		1		1
Vascular disorder of intestine, unspecified		1		1
Atherosclerotic heart disease	1			1
Chondrocostal junction syndrome [Tietze]	1			1
Phlebitis/thrombophlebitis oth deep vessels low extremities	1			1
Other non-follicular lymphoma	1			1
Pleural effusion, not elsewhere classified	1			1
Mechanical complication of internal joint prosthesis		1		1
Pneumonia due to Streptococcus pneumoniae		1		1
Dislocation of cervical vertebra		1		1
Cellulitis of finger and toe		1		1
Delirium, unspecified	1			1
Fracture of lower end of femur		1		1
Fracture of first cervical vertebra		1		1
Secondary malignant neoplasm of bone and bone marrow	1			1
Poisoning: Other synthetic narcotics	1			1
Sepsis due to other Gram-negative organisms	1			1
Other symptoms and signs concerning food and fluid intake	1			1
Heart failure, unspecified		1		1
Bullous pemphigoid		1		1
Hyperkalaemia	1			1
Other specified injuries of ankle and foot	1			1
Hypo-osmolality and hyponatraemia	1			1
Alcoholic myopathy	1			1
Dysphagia		1		1
Calculus of ureter	1			1
Dyspnoea	1			1
Toxic effect of carbon monoxide	1			1
Epistaxis		1		1
Fracture of lower end of radius		1		1
Infect inflamm reac due oth card vasc devs implant and graft		1		1
Cardiomegaly		1		1
Other specified soft tissue disorders	1			1
Other and unspecified hydronephrosis	1			1
Other symptoms and signs involving emotional state	1			1
Acute cholecystitis		1		1
Pain in joint		1		1
<b>Grand Total</b>	<b>107</b>	<b>146</b>	<b>1</b>	<b>254</b>
<b>2015</b>	<b>MAID</b>	<b>TWH</b>	<b>TCH</b>	<b>Grand Total</b>
Tendency to fall, not elsewhere classified	6	6	1	13
Unspecified acute lower respiratory infection	6	6		12
Guillain-Barré syndrome	6	6		12
Type 1 diabetes mellitus	5	6		11
Urinary tract infection, site not specified	8	2		10

Lobar pneumonia, unspecified	5	4		9
Cellulitis of other parts of limb	2	4		6
Polyneuropathy, unspecified	4	2		6
Type 2 diabetes mellitus	3	3		6
Volvulus		6		6
Syncope and collapse	2	3		5
Other inflammatory polyneuropathies	2	3		5
Fractures of other parts of lower leg	2	2		4
Disorientation, unspecified	2	2		4
Dyspnoea	1	3		4
Chest pain, unspecified	2	2		4
Acute renal failure, unspecified		3		3
Ulcer of lower limb, not elsewhere classified		3		3
Transient cerebral ischaemic attack, unspecified	3			3
Essential (primary) hypertension	1	2		3
Chronic obstruct pulmonary dis with acute lower resp infec	2	1		3
Open wound of other parts of head	2	1		3
Anaemia, unspecified	2	1		3
Orthostatic hypotension	2	1		3
Congestive heart failure	2	1		3
Other and unspecified abdominal pain		3		3
Myasthenia gravis	2	1		3
Other intracranial injuries		2		2
Nausea and vomiting	2			2
Constipation		2		2
Ascites	1	1		2
Epistaxis	1	1		2
Fracture of neck of femur	1	1		2
Pulmonary embolism without mention of acute cor pulmonale	1	1		2
Fracture of pubis	1	1		2
Myoclonus	1	1		2
Fracture of sacrum	1	1		2
Other and unspecified convulsions	2			2
Atherosclerotic heart disease	1	1		2
Other chest pain	2			2
Atrial fibrillation and flutter	2			2
Pneumonia, unspecified	2			2
Hypoglycaemia, unspecified		2		2
Agranulocytosis	2			2
Malignant neoplasm: Oesophagus, unspecified		2		2
Diverticular dis of large intestine without perf or abscess		2		2
Mechanical complication of urinary (indwelling) catheter	2			2
Other cerebral infarction		1	1	2
Unspecified haematuria	1			1
Prolonged second stage (of labour)		1		1

Acute bronchitis, unspecified	1			1
Bacterial meningoencephalitis and meningomyelitis NEC		1		1
Acute appendicitis, other and unspecified		1		1
Low back pain		1		1
Fracture of nasal bones	1			1
Lymphoedema, not elsewhere classified		1		1
Pneumothorax, unspecified		1		1
Malaise and fatigue		1		1
Sepsis due to unspecified staphylococcus		1		1
Follow-up care involving plastic surgery of lower extremity		1		1
Inf inflamm react due oth int prosth devs implants & grafts		1		1
Malignant neoplasm: Overlapping lesion of bladder	1			1
Acute ischaemic heart disease, unspecified		1		1
Malignant neoplasm: Temporal lobe	1			1
Chest pain on breathing	1			1
Malignant neoplasm: Upper lobe, bronchus or lung	1			1
Hypokalaemia		1		1
Fracture of bone in neoplastic disease		1		1
Postconcussional syndrome	1			1
Mental and behavioural disorders due to use of alcohol	1			1
Respiratory failure, unspecified		1		1
Mitochondrial myopathy, not elsewhere classified	1			1
Subarachnoid haemorrhage from carotid siphon and bifurcation	1			1
Multiple fractures of thoracic spine		1		1
Thoracic aortic aneurysm, ruptured		1		1
Multiple myeloma	1			1
Alcoholic liver disease, unspecified		1		1
Multiple sclerosis	1			1
Unspecified injury of head		1		1
Muscular dystrophy	1			1
Effusion of joint		1		1
Acute abdomen		1		1
Drug-induced hypoglycaemia without coma	1			1
Gastroenteritis and colitis of unspecified origin		1		1
Polymyalgia rheumatica		1		1
Myopathy, unspecified		1		1
Laryngeal spasm		1		1
Myotonic disorders	1			1
Pneumonitis due to food and vomit	1			1
Gastrointestinal haemorrhage, unspecified		1		1
Cerebral infarction, unspecified		1		1
Calculus of kidney with calculus of ureter	1			1
Post-traumatic wound infection, not elsewhere classified		1		1
Open wound of other parts of lower leg	1			1
Hypo-osmolality and hyponatraemia	1			1



Cardiac arrest with successful resuscitation	1			1
Sepsis due to other Gram-negative organisms	1			1
Cellulitis of finger and toe	1			1
Stupor		1		1
Other and unspecified abnormalities of breathing		1		1
Superficial injury of wrist and hand, unspecified		1		1
Gout, unspecified	1			1
Acute transmural myocardial infarction of inferior wall	1			1
Other and unspecified intestinal obstruction		1		1
Colostomy and enterostomy malfunction		1		1
Other and unspecified speech disturbances	1			1
Infect inflamm reac due oth card vasc devs implant and graft	1			1
Fever, unspecified		1		1
Intestinal adhesions [bands] with obstruction		1		1
Heart failure, unspecified	1			1
Unspecified injury of ankle and foot		1		1
Other impaction of intestine		1		1
Unstable angina	1			1
Acute periodontitis		1		1
Viral intestinal infection, unspecified		1		1
Fluid overload		1		1
Acute transverse myelitis in demyelinating disease of CNS	1			1
Other specified congenital malformations of heart		1		1
Chronic ulcer of skin, not elsewhere classified		1		1
Other specified functional intestinal disorders		1		1
Anaemia comp pregnancy, childbirth and the puerperium		1		1
Other symptoms and signs involving appearance and behaviour		1		1
Acute respiratory failure		1		1
Pain localized to other parts of lower abdomen		1		1
Open wound of other parts of wrist and hand	1			1
Pain localized to upper abdomen		1		1
Other specified degenerative diseases of nervous system	1			1
Palpitations		1		1
Pertrochanteric fracture	1			1
<b>Grand Total</b>	<b>127</b>	<b>144</b>	<b>2</b>	<b>273</b>
<b>2016</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Urinary tract infection, site not specified	8	5	13	
Unspecified acute lower respiratory infection	8	2	10	
Pneumonia, unspecified		10	10	
Type 2 diabetes mellitus	4	4	8	
Cellulitis of other parts of limb	5	1	6	
Acute renal failure, unspecified	3	3	6	
Congestive heart failure	3	3	6	
Tendency to fall, not elsewhere classified	3	3	6	

Guillain-Barré syndrome	6		6	
Polyneuropathy, unspecified	5	1	6	
Chest pain, unspecified	3	2	5	
Sepsis, unspecified	4	1	5	
Transient cerebral ischaemic attack, unspecified	4		4	
Acute upper respiratory infection, unspecified	3	1	4	
Type 1 diabetes mellitus		4	4	
Chronic obstruct pulmonary dis with acute lower resp infec	3	1	4	
Ulcer of lower limb, not elsewhere classified	1	3	4	
Syncope and collapse		4	4	
Lobar pneumonia, unspecified	3	1	4	
Precordial pain	4		4	
Volvulus		4	4	
Epistaxis		3	3	
Hypo-osmolality and hyponatraemia	1	2	3	
Headache	3		3	
Atrial fibrillation and atrial flutter, unspecified	3		3	
Anaemia, unspecified	2	1	3	
Osteomyelitis, unspecified	1	2	3	
Atherosclerotic heart disease	2	1	3	
Other and unspecified abdominal pain		3	3	
Other and unspecified speech disturbances	1	2	3	
Pleural effusion, not elsewhere classified		3	3	
Fracture of shaft of tibia		2	2	
Ascites		2	2	
Hyperkalaemia	2		2	
Other chest pain	2		2	
Mech comp gastrointestinal prosth devs implants & grafts		2	2	
Other hypotension	1	1	2	
Volume depletion	2		2	
Pilonidal cyst with abscess		2	2	
Angina pectoris, unspecified	1	1	2	
Myasthenia gravis	1	1	2	
Dysphagia	2		2	
Calculus of gallbladder with acute cholecystitis		2	2	
Fracture of pubis	2		2	
Poisoning: Calcium-channel blockers	2		2	
Other and unspecified convulsions	1	1	2	
Acute cholecystitis		2	2	
Unspecified haematuria	1	1	2	
Infect inflam react due pros dev implt & graft urinary syst	1	1	2	
Other cerebral infarction	1	1	2	
Sepsis due to other Gram-negative organisms	1	1	2	
Mechanical complication of urinary (indwelling) catheter	2		2	
Other transient cerebral ischaemic attacks and related synd		1	1	

Atrial fibrillation and flutter	1		1	
Postprocedural renal failure	1		1	
Candidal stomatitis		1	1	
Gastroenteritis and colitis of unspecified origin		1	1	
Acute subendocardial myocardial infarction	1		1	
Paroxysmal atrial fibrillation	1		1	
Heart failure, unspecified	1		1	
Secondary malignant neoplasm of pleura		1	1	
Hereditary ataxia, unspecified	1		1	
Unspecified appendicitis		1	1	
Cerebral infarction, unspecified	1		1	
Other specified myopathies	1		1	
Hyperparathyroidism, unspecified	1		1	
Pain localized to other parts of lower abdomen		1	1	
Hypertensive heart disease with (congestive) heart failure		1	1	
Disorder of autonomic nervous system, unspecified		1	1	
Hypoglycaemia, unspecified		1	1	
Pyothorax without fistula		1	1	
Cerebrl infarct due unspec occlusion or stenosis cerebri arts	1		1	
Severe pre-eclampsia		1	1	
Hypothermia		1	1	
Fatty (change of) liver, not elsewhere classified		1	1	
Infect and inflamm react due int fixation dev [any site]		1	1	
Gastritis, unspecified		1	1	
Acute pharyngitis, unspecified	1		1	
Other specified abnormal findings of blood chemistry		1	1	
Infection following a procedure, not elsewhere classified	1		1	
Other specified soft tissue disorders	1		1	
Injury of muscle(s) and tendon(s) of rotator cuff shoulder	1		1	
Otitis media, unspecified		1	1	
Intestinal adhesions [bands] with obstruction		1	1	
Paraesthesia of skin		1	1	
Labour and delivery complicated by fetal stress, unspecified		1	1	
Diaphragmatic hernia without obstruction or gangrene	1		1	
Lambert-Eaton syndrome	1		1	
Poisoning: Other antiepileptic and sedative-hypnotic drugs		1	1	
Left ventricular failure	1		1	
Primary pulmonary hypertension	1		1	
Chilblains	1		1	
Respiratory failure, unspecified		1	1	
Locl-rel(foc)part)symp epilep/ epileptic syn simple part seiz		1	1	
Sepsis due to Streptococcus pneumoniae	1		1	
Low back pain		1	1	
Spondylosis, unspecified	1		1	
Lumbago with sciatica	1		1	

Traumatic subarachnoid haemorrhage	1		1	
Malaise and fatigue	1		1	
Fracture of fibula alone	1		1	
Malignant neoplasm of rectum	1		1	
Unspecified injury of head	1		1	
Malignant neoplasm: Pancreas, unspecified	1		1	
Viral intestinal infection, unspecified		1	1	
Malignant neoplasm: Upper lobe, bronchus or lung	1		1	
Other spec compli cardiac vasc prosth devices impl grafts		1	1	
Malignant neuroleptic syndrome	1		1	
Other specified disorders of penis	1		1	
Chronic kidney disease, unspecified		1	1	
Other specified polyneuropathies	1		1	
Asthma, unspecified	1		1	
Other streptococcal arthritis and polyarthritis		1	1	
Acute appendicitis, other and unspecified		1	1	
Other unspecified gastroenteritis colitis infectious origin		1	1	
Mitochondrial myopathy, not elsewhere classified	1		1	
Pain in limb	1		1	
Multiple myeloma	1		1	
Pain localized to upper abdomen	1		1	
Chronic obstructive pulmonary disease, unspecified	1		1	
Paralytic ileus		1	1	
Myelodysplastic syndrome, unspecified	1		1	
Pertrochanteric fracture	1		1	
Myopathy, unspecified		1	1	
Diffuse large B-cell lymphoma	1		1	
Nausea and vomiting	1		1	
Diverticular dis of large intestine without perf or abscess		1	1	
Nerve root and plexus compressions in intravert disc disord	1		1	
Dysarthria and anarthria	1		1	
Neuropathy in association with hereditary ataxia		1	1	
Anaemia in other chronic diseases classified elsewhere		1	1	
Oesophagitis	1		1	
Prolonged second stage (of labour)		1	1	
Open wound of scalp	1		1	
Respiratory distress of newborn, unspecified		1	1	
Orchitis epididymitis and epididymo-orchitis without absces		1	1	
Secondary malignant neoplasm of bone and bone marrow	1		1	
Coma, unspecified	1		1	
Encephalitis, myelitis and encephalomyelitis, unspecified		1	1	
Oth spec conds ass with fem gen organs and mens cycle	1		1	
Encephalopathy, unspecified	1		1	
Congenital insufficiency of aortic valve	1		1	
Sialoadenitis		1	1	

Congenital myopathies		1	1	
Enterocolitis due to Clostridium difficile		1	1	
Other and unspecified intestinal obstruction		1	1	
Essential (primary) hypertension	1		1	
Alcoholic liver disease, unspecified		1	1	
Tubal pregnancy		1	1	
Constipation		1	1	
Fitting and adjustment of urinary device	1		1	
Cutaneous abscess, furuncle and carbuncle of limb		1	1	
Bronchopneumonia, unspecified	1		1	
Other disorders of electrolyte and fluid balance NEC		1	1	
Acute monoblastic/monocytic leukaemia	1		1	
Cutaneous abscess, furuncle and carbuncle of trunk		1	1	
Unstable angina	1		1	
Other inflammatory polyneuropathies	1		1	
Viral infection, unspecified	1		1	
Other intracranial injuries		1	1	
Visual disturbance, unspecified	1		1	
Other psoriasis	1		1	
Gonarthrosis, unspecified	1		1	
Other spec abdominal hernia with obstruct without gangrene		1	1	
Melaena	1		1	
<b>Grand Total</b>	<b>167</b>	<b>141</b>	<b>308</b>	
<b>2017</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Polyneuropathy, unspecified	5	1	6	
Pneumonia, unspecified	2	4	6	
Cellulitis of other parts of limb	1	3	4	
Type 1 diabetes mellitus		3	3	
Pneumonitis due to food and vomit	3		3	
Anaemia, unspecified	3		3	
Acute renal failure, unspecified		3	3	
Sepsis, unspecified		3	3	
Retention of urine	2	1	3	
Headache	3		3	
Tendency to fall, not elsewhere classified	1	2	3	
Myasthenia gravis	2	1	3	
Type 2 diabetes mellitus	3		3	
Unspecified acute lower respiratory infection	1	2	3	
Urinary tract infection, site not specified	1	2	3	
Hyperkalaemia	1	1	2	
Nausea and vomiting	1	1	2	
Spontaneous abortion		2	2	
Pain in joint		2	2	
Ulcer of lower limb, not elsewhere classified		2	2	

Pain in limb	1	1	2	
Asthma, unspecified	2		2	
Gastrointestinal haemorrhage, unspecified		2	2	
Myopathy, unspecified	1	1	2	
Guillain-Barré syndrome	1	1	2	
Chronic obstruct pulmonary dis with acute lower resp infec		2	2	
Atrial fibrillation and atrial flutter, unspecified		2	2	
Other and unspecified abdominal pain		2	2	
Precordial pain	2		2	
Osteomyelitis, unspecified	1	1	2	
Iron deficiency anaemia, unspecified	2		2	
Other specified soft tissue disorders		1	1	
Status asthmaticus		1	1	
Cutaneous abscess, furuncle and carbuncle of limb		1	1	
Bell palsy	1		1	
Unstable angina	1		1	
Haematemesis		1	1	
Pain localized to other parts of lower abdomen		1	1	
Haemophilus influenzae infection, unspecified site		1	1	
Respiratory failure, unspecified		1	1	
Haemorrhage of anus and rectum		1	1	
Fracture of neck of femur	1		1	
Bronchiectasis		1	1	
Other specified diseases of stomach and duodenum		1	1	
Hemiplegia, unspecified	1		1	
Cluster headache syndrome		1	1	
Cardiac arrhythmia, unspecified	1		1	
Constipation	1		1	
Hypoglycaemia, unspecified	1		1	
Pulmonary embolism without mention of acute cor pulmonale		1	1	
Hypotension, unspecified		1	1	
Disorders of both mitral and aortic valves	1		1	
Infect inflamm reac due oth card vasc devs implant and graft		1	1	
Thrombocytopenia, unspecified	1		1	
Infection following a procedure, not elsewhere classified		1	1	
Gastroenteritis and colitis of unspecified origin		1	1	
Viral infection, unspecified		1	1	
Gout, unspecified	1		1	
Abn finds diagnostic imaging of oth parts of digestive tract		1	1	
Other specified fever		1	1	
Mental disord dis of nervous system comp preg/birth/puerp		1	1	
Other symptoms and signs involving emotional state		1	1	
Migraine with aura [classical migraine]	1		1	
Coma, unspecified	1		1	
Migraine, unspecified		1	1	

Pilonidal cyst with abscess		1	1	
Multiple sclerosis		1	1	
Coxarthrosis, unspecified		1	1	
Acute transmural myocardial infarction of inferior wall	1		1	
Dilated cardiomyopathy		1	1	
Chron obstruct pulmonary dis wth acute exacerbation, unspec		1	1	
Radiation proctitis	1		1	
Atherosclerotic heart disease		1	1	
Discitis, unspecified		1	1	
Obstruction of bile duct		1	1	
Diverticular dis of large intestine with perf and abscess		1	1	
Oesophageal varices bleeding DCE		1	1	
Drug-induced myopathy	1		1	
Orchitis epididymitis and epididymo-orchitis without absces	1		1	
Focal brain injury	1		1	
Chronic obstructive pulmonary disease, unspecified	1		1	
Gastric ulcer	1		1	
Chronic sinusitis, unspecified	1		1	
Unspecified injury of abdomen, lower back and pelvis		1	1	
Other and unspecified speech disturbances		1	1	
Acute ischaemic heart disease, unspecified	1		1	
Other bacterial infections of unspecified site	1		1	
Other bacterial pneumonia	1		1	
Lobar pneumonia, unspecified		1	1	
<b>Grand Total</b>	<b>62</b>	<b>80</b>	<b>142</b>	

b. Muscular dystrophies – ICD10 codes used G71* inclusive (therefore also included 2a)				
<b>2011</b>	<b>MAID</b>	<b>TWH</b>	<b>KS</b>	<b>Grand Total</b>
Lobar pneumonia, unspecified	1	1	1	3
Unspecified acute lower respiratory infection	2			2
Diverticular dis of small intestine with perf and abscess			1	1
Palpitations	1			1
Other superficial injuries of hip and thigh			1	1
Fracture of lower end of femur			1	1
Pneumonitis due to food and vomit		1		1
Fracture of patella			1	1
Atrial fibrillation and flutter		1		1
Labyrinthitis			1	1
Pain localized to other parts of lower abdomen			1	1
Diaphragmatic hernia without obstruction or gangrene	1			1
Pneumonia, unspecified		1		1

Malignant neoplasm: Temporal lobe	1			1
Supraventricular tachycardia	1			1
Syncope and collapse		1		1
Unspecified injury of head			1	1
Megacolon, not elsewhere classified	1			1
Volvulus	1			1
Other and unspecified abdominal pain	1			1
Other cerebral infarction			1	1
<b>Grand Total</b>	<b>10</b>	<b>5</b>	<b>9</b>	<b>24</b>
<b>2012</b>	<b>MAID</b>	<b>TWH</b>	<b>TCH</b>	<b>Grand Total</b>
Unspecified acute lower respiratory infection		4		4
Supraventricular tachycardia	3			3
Lobar pneumonia, unspecified	1	1		2
Precordial pain	1			1
Bronchopneumonia, unspecified		1		1
Stroke, not specified as haemorrhage or infarction			1	1
Fracture of neck of femur		1		1
Tendency to fall, not elsewhere classified		1		1
Missed abortion		1		1
Pericardial effusion (noninflammatory)	1			1
Muscular dystrophy	1			1
Scoliosis, unspecified		1		1
Necrotizing fasciitis	1			1
Subdural haemorrhage (acute)(nontraumatic)		1		1
Other and unspecified abnormal involuntary movements		1		1
TB lung confirm sputum microscopy with or without culture		1		1
Other and unspecified convulsions		1		1
Dilated cardiomyopathy		1		1
Tubulo-interstitial nephritis not spec as acute or chronic	1			1
Other chest pain	1			1
Other specified disorders of penis		1		1
<b>Grand Total</b>	<b>10</b>	<b>16</b>	<b>1</b>	<b>27</b>
<b>2013</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Muscular dystrophy		3	3	
Chest pain, unspecified		2	2	
Unspecified acute lower respiratory infection	1	1	2	
Constipation	1	1	2	
Chronic respiratory failure	1		1	
Other gastritis	1		1	
Acute respiratory failure		1	1	
Open wound of head, part unspecified		1	1	
Other and unspecified abdominal pain		1	1	
Bronchopneumonia, unspecified		1	1	
Fractures of other parts of lower leg		1	1	



Pneumonia, unspecified	1		1	
Gastroenteritis and colitis of unspecified origin	1		1	
Urinary tract infection, site not specified		1	1	
Hyperkalaemia	1		1	
Visual hallucinations		1	1	
Lobar pneumonia, unspecified		1	1	
Superficial injury of other parts of head	1		1	
Malaise and fatigue		1	1	
Cellulitis of external ear		1	1	
Anoxic brain damage, not elsewhere classified		1	1	
Other specified injuries of head		1	1	
Acute upper respiratory infection, unspecified		1	1	
Myotonic disorders		1	1	
<b>Grand Total</b>	<b>8</b>	<b>21</b>	<b>29</b>	
<b>2014</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Unspecified acute lower respiratory infection	4	1	5	
Syncope and collapse		3	3	
Left ventricular failure		2	2	
Other and unspecified convulsions		2	2	
Acidosis		1	1	
Fracture of lower end of femur		1	1	
Haemorrhage and haematoma complicating a procedure NEC		1	1	
Chest pain, unspecified		1	1	
Unspecified haematuria		1	1	
Lobar pneumonia, unspecified	1		1	
Dislocation of cervical vertebra		1	1	
Mechanical complication of urinary (indwelling) catheter	1		1	
Pertrochanteric fracture		1	1	
Mental and behavioural disorders due to use of alcohol	1		1	
Fracture of pubis		1	1	
Muscular dystrophy	1		1	
Volvulus		1	1	
Other and unspecified abdominal pain		1	1	
Fracture of acetabulum		1	1	
Fracture of thoracic vertebra		1	1	
Poisoning: Other synthetic narcotics	1		1	
Trichilemmal cyst		1	1	
Heart failure, unspecified		1	1	
Pain in joint		1	1	
Atrioventricular block, complete		1	1	
Other symptoms and signs involving emotional state	1		1	
<b>Grand Total</b>	<b>10</b>	<b>24</b>	<b>34</b>	
<b>2015</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Volvulus		6	6	

Lobar pneumonia, unspecified	1	2	3	
Fractures of other parts of lower leg	2		2	
Constipation		2	2	
Unspecified acute lower respiratory infection	1	1	2	
Other intracranial injuries		1	1	
Other and unspecified abnormalities of breathing		1	1	
Syncope and collapse	1		1	
Fever, unspecified		1	1	
Other cerebral infarction		1	1	
Fracture of neck of femur		1	1	
Other specified functional intestinal disorders		1	1	
Fracture of pubis	1		1	
Calculus of kidney with calculus of ureter	1		1	
Cerebral infarction, unspecified		1	1	
Other and unspecified speech disturbances	1		1	
Heart failure, unspecified	1		1	
Other chest pain	1		1	
Hypokalaemia		1	1	
Other specified congenital malformations of heart		1	1	
Congestive heart failure	1		1	
Pain localized to upper abdomen		1	1	
Thoracic aortic aneurysm, ruptured		1	1	
Tendency to fall, not elsewhere classified	1		1	
Urinary tract infection, site not specified	1		1	
Acute renal failure, unspecified		1	1	
Mitochondrial myopathy, not elsewhere classified	1		1	
Atrial fibrillation and flutter	1		1	
Viral intestinal infection, unspecified		1	1	
Muscular dystrophy	1		1	
Myotonic disorders	1		1	
<b>Grand Total</b>	<b>17</b>	<b>24</b>	<b>41</b>	
<b>2016</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Unspecified acute lower respiratory infection	2	1	3	
Volvulus		3	3	
Pneumonia, unspecified		3	3	
Mech comp gastrointestinal prosth devs implants & grafts		2	2	
Anaemia, unspecified	1	1	2	
Congestive heart failure	1	1	2	
Urinary tract infection, site not specified	1	1	2	
Dysphagia	2		2	
Fracture of shaft of tibia		2	2	
Other and unspecified abdominal pain		2	2	
Other unspecified gastroenteritis colitis infectious origin		1	1	
Type 2 diabetes mellitus		1	1	

Respiratory failure, unspecified		1	1	
Ascites		1	1	
Volume depletion	1		1	
Bronchopneumonia, unspecified	1		1	
Prolonged second stage (of labour)		1	1	
Gastritis, unspecified		1	1	
Tendency to fall, not elsewhere classified	1		1	
Headache	1		1	
Unspecified injury of head	1		1	
Infect and inflamm react due int fixation dev [any site]		1	1	
Dysarthria and anarthria	1		1	
Locl-rel(foc)part)symp epilep/ epilptic syn simple part seiz		1	1	
Chronic obstruct pulmonary dis with acute lower resp infec	1		1	
Chest pain, unspecified	1		1	
Respiratory distress of newborn, unspecified		1	1	
Mitochondrial myopathy, not elsewhere classified	1		1	
Sepsis, unspecified	1		1	
Acute appendicitis, other and unspecified		1	1	
Tubal pregnancy		1	1	
Other and unspecified convulsions	1		1	
Congenital myopathies		1	1	
Other and unspecified intestinal obstruction		1	1	
Acute subendocardial myocardial infarction	1		1	
Other intracranial injuries		1	1	
Diverticular dis of large intestine without perf or abscess		1	1	
Other spec abdominal hernia with obstruct without gangrene		1	1	
Other specified abnormal findings of blood chemistry		1	1	
<b>Grand Total</b>	<b>19</b>	<b>33</b>	<b>52</b>	
<b>2017</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Pneumonia, unspecified		2	2	
Tendency to fall, not elsewhere classified		2	2	
Other and unspecified abdominal pain		2	2	
Pain in joint		1	1	
Dilated cardiomyopathy		1	1	
Atherosclerotic heart disease		1	1	
Gastrointestinal haemorrhage, unspecified		1	1	
Gastroenteritis and colitis of unspecified origin		1	1	
Iron deficiency anaemia, unspecified	1		1	
Pain in limb		1	1	
Mental disord dis of nervous system comp preg/birth/puerp		1	1	
Sepsis, unspecified		1	1	
Asthma, unspecified	1		1	
Viral infection, unspecified		1	1	
Other specified diseases of stomach and duodenum		1	1	

Other specified soft tissue disorders		1	1	
<b>Grand Total</b>	<b>2</b>	<b>17</b>	<b>19</b>	

c. Duchenne muscular dystrophy – ICD10 code used G71.0 (therefore also included in both 2a and 2b)				
<b>2011</b>	<b>MAID</b>	<b>TWH</b>	<b>KS</b>	<b>Grand Total</b>
Unspecified acute lower respiratory infection	2			2
Supraventricular tachycardia	1			1
Pneumonia, unspecified		1		1
Diverticular dis of small intestine with perf and abscess			1	1
Lobar pneumonia, unspecified			1	1
Pneumonitis due to food and vomit		1		1
Other and unspecified abdominal pain	1			1
Fracture of patella			1	1
Syncope and collapse		1		1
Other cerebral infarction			1	1
Other superficial injuries of hip and thigh			1	1
<b>Grand Total</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>12</b>
<b>2012</b>	<b>MAID</b>	<b>TWH</b>	<b>TCH</b>	<b>Grand Total</b>
Supraventricular tachycardia	3			3
Lobar pneumonia, unspecified	1	1		2
Other chest pain	1			1
Bronchopneumonia, unspecified		1		1
Other specified disorders of penis		1		1
Fracture of neck of femur		1		1
Stroke, not specified as haemorrhage or infarction			1	1
Muscular dystrophy	1			1
Necrotizing fasciitis	1			1
<b>Grand Total</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>12</b>
<b>2013</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Muscular dystrophy		3	3	
Unspecified acute lower respiratory infection	1		1	
Cellulitis of external ear		1	1	
Other gastritis	1		1	
Fractures of other parts of lower leg		1	1	
Constipation	1		1	
Hyperkalaemia	1		1	
Visual hallucinations		1	1	
Lobar pneumonia, unspecified		1	1	
Superficial injury of other parts of head	1		1	
Malaise and fatigue		1	1	
Other specified injuries of head		1	1	
Chronic respiratory failure	1		1	
Pneumonia, unspecified	1		1	
<b>Grand Total</b>	<b>7</b>	<b>9</b>	<b>16</b>	

<b>2014</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Unspecified acute lower respiratory infection	4		4	
Haemorrhage and haematoma complicating a procedure NEC		1	1	
Other symptoms and signs involving emotional state	1		1	
Fracture of lower end of femur		1	1	
Fracture of acetabulum		1	1	
Fracture of pubis		1	1	
Chest pain, unspecified		1	1	
Heart failure, unspecified		1	1	
Pertrochanteric fracture		1	1	
Lobar pneumonia, unspecified	1		1	
Unspecified haematuria		1	1	
Mechanical complication of urinary (indwelling) catheter	1		1	
Poisoning: Other synthetic narcotics	1		1	
Mental and behavioural disorders due to use of alcohol	1		1	
Trichilemmal cyst		1	1	
Muscular dystrophy	1		1	
Other and unspecified abdominal pain		1	1	
<b>Grand Total</b>	<b>10</b>	<b>10</b>	<b>20</b>	
<b>2015</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Fractures of other parts of lower leg	2		2	
Acute renal failure, unspecified		1	1	
Other specified functional intestinal disorders		1	1	
Other cerebral infarction		1	1	
Calculus of kidney with calculus of ureter	1		1	
Atrial fibrillation and flutter	1		1	
Congestive heart failure	1		1	
Muscular dystrophy	1		1	
Fever, unspecified		1	1	
Other intracranial injuries		1	1	
Fracture of neck of femur		1	1	
Syncope and collapse	1		1	
Thoracic aortic aneurysm, ruptured		1	1	
Urinary tract infection, site not specified	1		1	
Viral intestinal infection, unspecified		1	1	
Heart failure, unspecified	1		1	
Hypokalaemia		1	1	
<b>Grand Total</b>	<b>9</b>	<b>9</b>	<b>18</b>	
<b>2016</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Fracture of shaft of tibia		2	2	
Mech comp gastrointestinal prosth devs implants & grafts		2	2	
Unspecified acute lower respiratory infection	1		1	
Other and unspecified intestinal obstruction		1	1	
Ascites		1	1	

Bronchopneumonia, unspecified	1		1	
Other specified abnormal findings of blood chemistry		1	1	
Chronic obstruct pulmonary dis with acute lower resp infec	1		1	
Urinary tract infection, site not specified	1		1	
Diverticular dis of large intestine without perf or abscess		1	1	
Other and unspecified convulsions	1		1	
Dysarthria and anarthria	1		1	
Other intracranial injuries		1	1	
Anaemia, unspecified		1	1	
Tubal pregnancy		1	1	
Headache	1		1	
Unspecified injury of head	1		1	
Infect and inflamm react due int fixation dev [any site]		1	1	
Volume depletion	1		1	
Acute appendicitis, other and unspecified		1	1	
Other and unspecified abdominal pain		1	1	
<b>Grand Total</b>	<b>9</b>	<b>14</b>	<b>23</b>	
<b>2017</b>	<b>MAID</b>	<b>TWH</b>	<b>Grand Total</b>	
Tendency to fall, not elsewhere classified		2	2	
Atherosclerotic heart disease		1	1	
Pain in limb		1	1	
Pain in joint		1	1	
Gastrointestinal haemorrhage, unspecified		1	1	
Dilated cardiomyopathy		1	1	
Pneumonia, unspecified		1	1	
Iron deficiency anaemia, unspecified	1		1	
Mental disord dis of nervous system comp preg/birth/puerp		1	1	
<b>Grand Total</b>	<b>1</b>	<b>9</b>	<b>10</b>	

3. The number of all the patients identified in question 1 whose outcome was died or discharged

a. Neuromuscular conditions – ICD10 codes G60\* to G64\* or G70\* to G73\* inclusive

Jan 2011-Jun 2017	MAID	TWH	K S	TCH	Grand Total
<b>Died</b>					
2011	6	2	1		9
2012	3	3			6
2013	5	4			9
2014	6	4			10
2015	4	5			9
2016	3	6			9
2017	3	3			6
<b>Discharged</b>					
2011	89	31	86		206
2012	91	117		1	209
2013	104	179		1	284
2014	101	142		1	244
2015	123	139		2	264
2016	164	135			299
2017	59	77			136
<b>Grand Total</b>	<b>761</b>	<b>847</b>	<b>87</b>	<b>5</b>	<b>1700</b>

b. Muscular dystrophies – ICD10 codes used G71\* inclusive (therefore also included in the above)

Jan 2011-Jun 2017	MAID	TWH	K S	TCH	Grand Total
<b>Died</b>					
2011	1	1			2

Of which, the number which came via A&E - please note these are all inpatients it is not possible to identify any with these conditions who attended A&E and were not admitted as the A&E coding is not sufficient to give this detail of conditions

Admit_Method	A&E				
Jan 2011-Jun 2017	MAID	TWH	K S	TCH	Grand Total
<b>Died</b>					
2011	6	1	1		8
2012	2	3			5
2013	5	4			9
2014	6	4			10
2015	4	5			9
2016	3	6			9
2017	3	3			6
<b>Discharged</b>					
2011	82	29	84		195
2012	86	74		1	161
2013	97	125		1	223
2014	96	111		1	208
2015	120	123		2	245
2016	159	120			279
2017	59	73			132
<b>Grand Total</b>	<b>728</b>	<b>681</b>	<b>85</b>	<b>5</b>	<b>1499</b>

Admit_Method	A&E				
Jan 2011-Jun 2017	MAID	TWH	K S	TCH	Grand Total
<b>Died</b>					
2011	1				1

2012	1	1			2
2013	1	1			2
2015	1	1			2
2016		1			1
2017		1			1
<b>Discharged</b>					
2011	9	4	9		22
2012	9	15		1	25
2013	7	20			27
2014	10	24			34
2015	16	23			39
2016	19	32			51
2017	2	16			18
<b>Grand Total</b>	<b>76</b>	<b>140</b>	<b>9</b>	<b>1</b>	<b>226</b>

2012	1	1			2
2013	1	1			2
2015	1	1			2
2016		1			1
2017		1			1
<b>Discharged</b>					
2011	8	4	9		21
2012	9	8		1	18
2013	6	15			21
2014	10	19			29
2015	16	19			35
2016	18	26			44
2017	2	15			17
<b>Grand Total</b>	<b>73</b>	<b>111</b>	<b>9</b>	<b>1</b>	<b>194</b>

c. Duchenne muscular dystrophy – ICD10 code used G71.0 (therefore also included in both tables above)

Jan 2011-Jun 2017	MAI D	TW H	K S	TC H	Grand Total
<b>Died</b>					
2012	1	1			2
2013	1				1
2015	1	1			2
2017		1			1
<b>Discharged</b>					
2011	4	3	5		12
2012	6	3		1	10
2013	6	9			15
2014	10	10			20
2015	8	8			16
2016	9	14			23
2017	1	8			9
<b>Grand Total</b>	<b>47</b>	<b>58</b>	<b>5</b>	<b>1</b>	<b>111</b>

Admit_Method	A&E				
Jan 2011-Jun 2017	MAID	TWH	K S	TCH	Grand Total
<b>Died</b>					
2012	1	1			2
2013	1				1
2015	1	1			2
2017		1			1
<b>Discharged</b>					
2011	4	3	5		12
2012	6	3		1	10
2013	5	7			12
2014	10	9			19
2015	8	7			15
2016	9	12			21
2017	1	7			8
<b>Grand Total</b>	<b>46</b>	<b>51</b>	<b>5</b>	<b>1</b>	<b>103</b>



4. The Trust does not hold this information in a reportable format and has estimated that it will cost more than the appropriate limit to consider this part of your request. The appropriate limit is specified in regulations and represents the estimated cost of one person spending 3½ working days in determining whether the Trust holds the information, locating, retrieving and extracting the information. Under Section 12 of the Freedom of Information Act 2000 the Trust is not obliged to comply with this part of your request and we will not be processing this part of your request further.

5. The Trust is not aware of any such changes.

6. The Trust is not aware of any such protocols for adult patients.

The Trust is currently looking at a patient passport for children with additional needs - not just Duchenne. However current practice is having an open access letter which details a plan of care and also fast tracks patient to paediatrics. Parents and the ward have a copy of this and it is also in the patients notes.

7.

Mobile hoists available on wards

Some modified cutlery available

8. An emergency respiratory physiotherapy on call service is available 24 hours a day for those who meet the respiratory on call clinical criteria (ie clinical deterioration if not seen)