

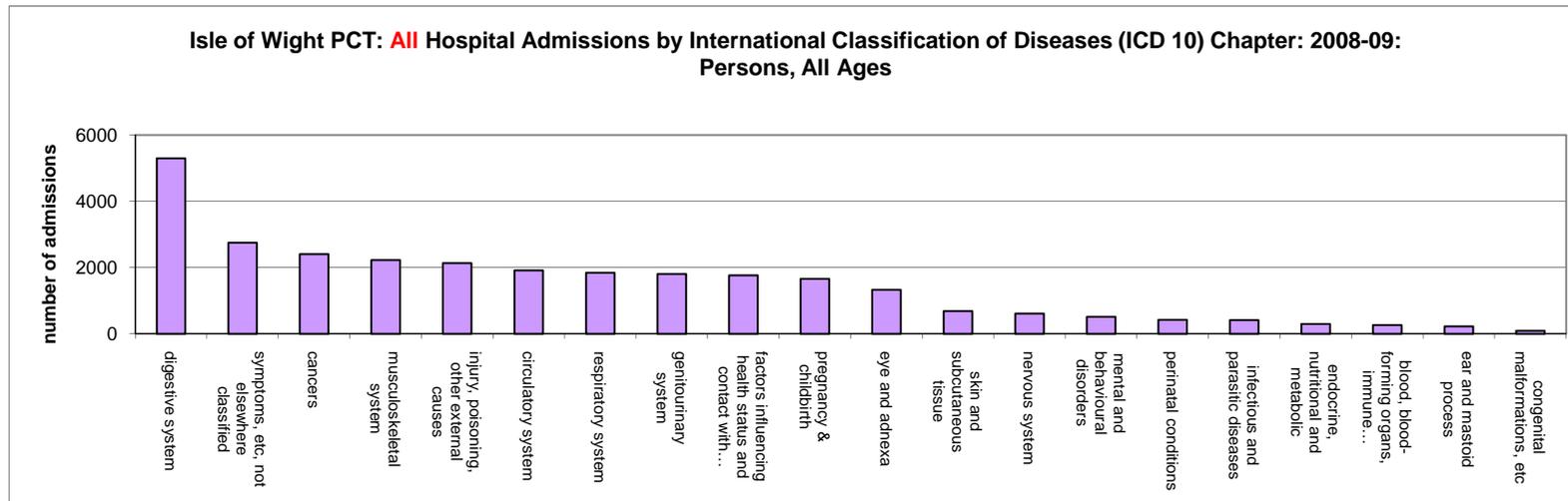
Isle of Wight Joint Strategic Needs Assessment: Core Dataset		2009	
Domain:	Burden of Ill Health	Indicator:	Hospital Admissions - Top 10 Causes
Sub-Domain:	Misc	Indicator References:	JSNA Core Dataset number 32
Sub-sub- Domain:	All Causes	Data Source:	Isle of Wight Primary Care Trust
		Indicator definition:	see below

Isle of Wight Residents: Hospital Admissions by Method of Admission: 2008-09

Admission Method	Number of Admissions	% of Total	Examples
Emergency	11501	39%	pneumonia, heart attacks, head injuries
Elective	14938	51%	cataract procedures, cancer treatments
Non Emergency, Non Elective	2766	9%	childbirth and related
Total	29205	100%	

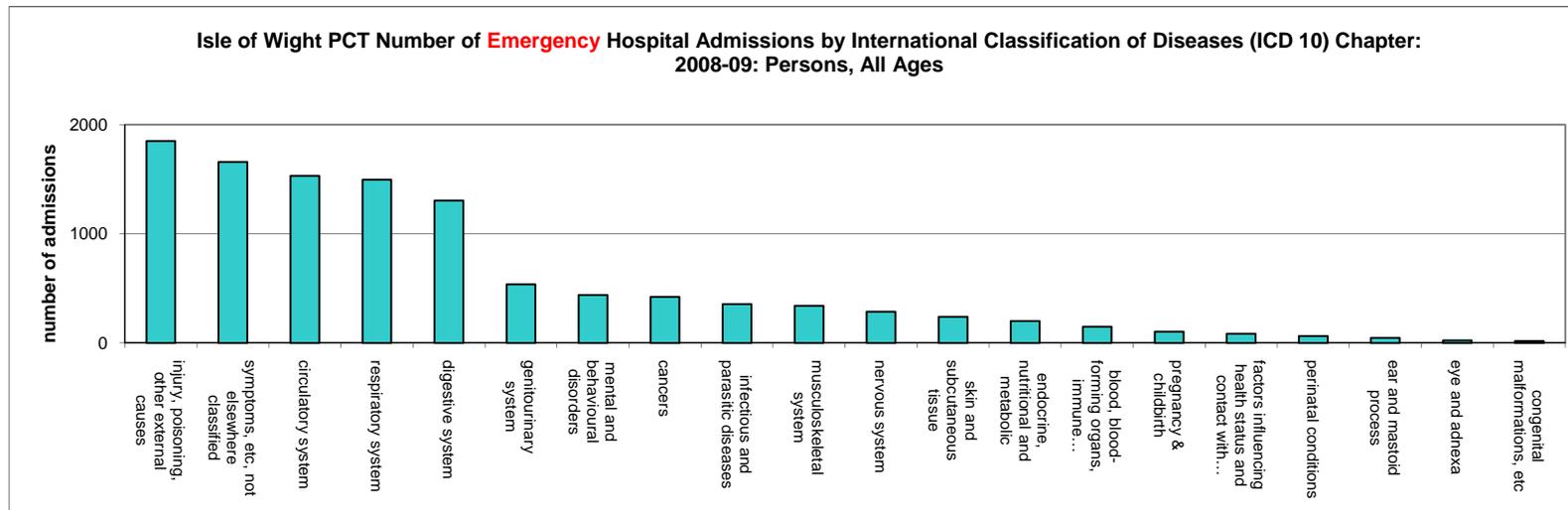
Isle of Wight Residents: All Hospital Admissions by Cause of Admission (Primary Diagnosis) - Classified by ICD-10 Chapter: 2008-09

ICD-10 Chapter	Title	Number of Admissions - All
A00-B99	Certain infectious and parasitic diseases	410
C00-D48	Neoplasms	2405
D50-D89	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	263
E00-E90	Endocrine, nutritional and metabolic diseases	295
F00-F99	Mental and behavioural disorders	511
G00-G99	Diseases of the nervous system	608
H00-H59	Diseases of the eye and adnexa	1329
H60-H95	Diseases of the ear and mastoid process	220
I00-I99	Diseases of the circulatory system	1913
J00-J99	Diseases of the respiratory system	1840
K00-K93	Diseases of the digestive system	5301
L00-L99	Diseases of the skin and subcutaneous tissue	681
M00-M99	Diseases of the musculoskeletal system and connective tissue	2226
N00-N99	Diseases of the genitourinary system	1802
O00-O99	Pregnancy, childbirth and the puerperium	1655
P00-P96	Certain conditions originating in the perinatal period	421
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	91
R00-R99	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	2749
S00-T98	Injury, poisoning and certain other consequences of external causes	2133
V01-Y98	External causes of morbidity and mortality	
Z00-Z99	Factors influencing health status and contact with health services	1764
U00-U99	Codes for special purposes	
	Not yet coded (e.g. because patients not yet discharged)	588
	Total	29205



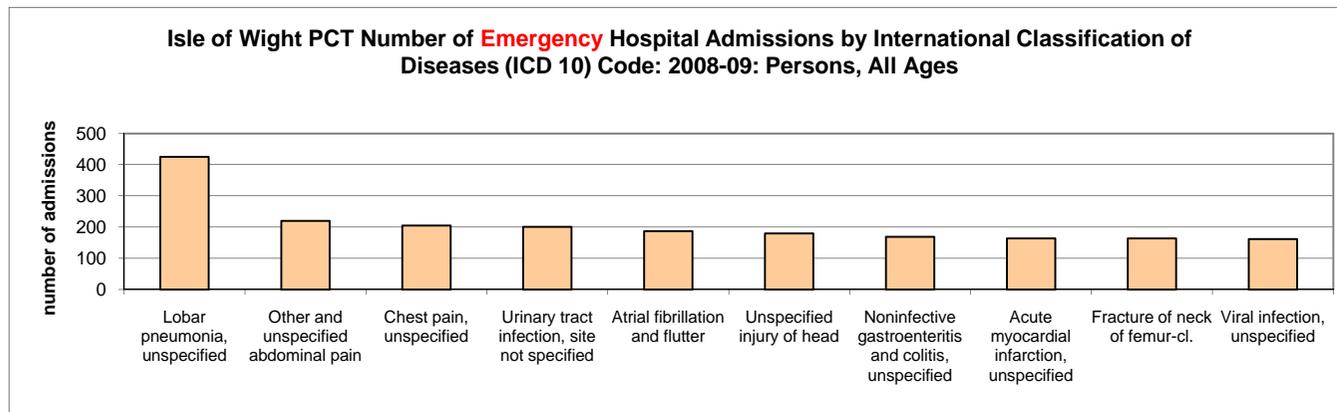
Isle of Wight Residents: Emergency Hospital Admissions by Cause of Admission (Primary Diagnosis) - Classified by ICD-10 Chapter: 2008-09

Blocks	Title	Number of Admissions - Emergency
A00-B99	Certain infectious and parasitic diseases	355
C00-D48	Cancers	422
D50-D89	Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	149
E00-E90	Endocrine, nutritional and metabolic diseases	200
F00-F99	Mental and behavioural disorders	439
G00-G99	Diseases of the nervous system	287
H00-H59	Diseases of the eye and adnexa	23
H60-H95	Diseases of the ear and mastoid process	47
I00-I99	Diseases of the circulatory system	1531
J00-J99	Diseases of the respiratory system	1497
K00-K93	Diseases of the digestive system	1305
L00-L99	Diseases of the skin and subcutaneous tissue	239
M00-M99	Diseases of the musculoskeletal system and connective tissue	340
N00-N99	Diseases of the genitourinary system	537
O00-O99	Pregnancy, childbirth and the puerperium	104
P00-P96	Certain conditions originating in the perinatal period	63
Q00-Q99	Congenital malformations, deformations and chromosomal abnormalities	17
R00-R99	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	1659
S00-T98	Injury, poisoning and certain other consequences of external causes	1850
V01-Y98	External causes of morbidity and mortality	
Z00-Z99	Factors influencing health status and contact with health services	85
U00-U99	Codes for special purposes	
	Not coded (e.g. because patients not yet discharged)	352
	Total	11501



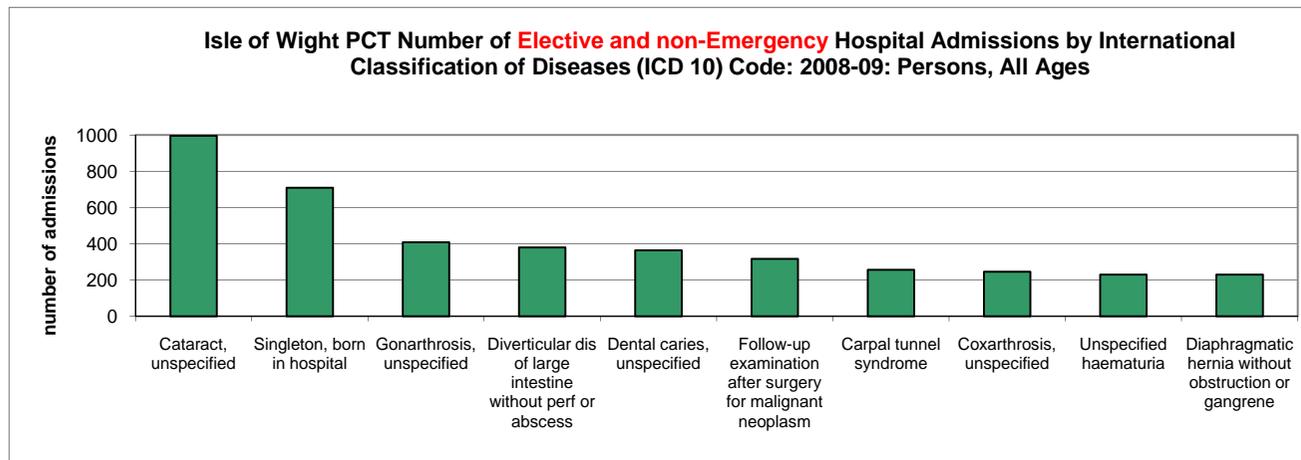
Isle of Wight Residents: Top Ten Causes of Hospital Admissions - Classified by ICD Code: 2008-09
Emergency Admissions

Admission Ranking	ICD Code	Description	Number of Admissions
1	J181	Lobar pneumonia, unspecified	425
2	R104	Other and unspecified abdominal pain	220
3	R074	Chest pain, unspecified	205
4	N390	Urinary tract infection, site not specified	201
5	I48X	Atrial fibrillation and flutter	187
6	S099	Unspecified injury of head	180
7	K529	Noninfective gastroenteritis and colitis, unspecified	169
8	I219	Acute myocardial infarction, unspecified	164
9	S7200	Fracture of neck of femur	164
10	B349	Viral infection, unspecified	162
		Total	2077



Isle of Wight Residents: Top Ten Causes of Hospital Admissions - Classified by ICD Code: 2008-09
Elective and non-Emergency Admissions

Admission Ranking	ICD Code	Description	Number of Admissions
1	H269	Cataract, unspecified	996
2	Z380	Singleton, born in hospital	709
3	M179	Gonarthrosis, unspecified	408
4	K573	Diverticular disease of large intestine without perforation or abscess	380
5	K029	Dental caries, unspecified	364
6	Z080	Follow-up examination after surgery for malignant neoplasm	317
7	G560	Carpal tunnel syndrome	257
8	M169	Coxarthrosis, unspecified	246
9	K449	Diaphragmatic hernia without obstruction or gangrene	230
10	R31X	Unspecified haematuria	230
		Total	4137



COMMENTARY

All hospital admissions are 'coded' to a specific cause of admission using the standard International Classification of Disease (ICD) codes. This classification is divided into 21 Chapters, each of which contains a large number of specific diagnosis codes.

Each hospital admission is allocated a 'Primary Diagnosis' code, which represents the main condition for which hospital treatment is required, and up to 12 'Secondary Diagnosis' codes. All the analysis above is of Primary Diagnosis codes.

Admissions are further classified by method of admission - i.e. whether they are:

- emergency admissions: where admission is at short notice because of clinical need;
- elective admissions: where the decision to admit is at a different time from the actual admission;
- non-elective and non-emergency admissions: for example, childbirth.

The data and charts above show the following breakdowns, for 2008-09 hospital admissions of IW residents:

- Breakdown by method of admission. Emergency admissions comprised 39% of total admissions.
- Breakdown by cause of admission by **ICD chapter** - for **All Admissions**. Diseases of the digestive system comprised the largest single group of admissions but this disease chapter does include dental treatments, as well as ulcers and gallbladder conditions.
- Breakdown by cause of admission by **ICD chapter** - for **Emergency Admissions**. When 'unclassified symptoms' are excluded, the largest groups of admissions were for injuries, circulatory disease (including heart attacks) and respiratory disease (including pneumonia).
- Breakdown by cause of admission by **ICD Code** - for **Emergency Admissions**. Main causes of admission included pneumonia, chest pain, heart conditions and fracture of neck of femur (hip).
- Breakdown by cause of admission by **ICD Code** - for **Elective and non-Emergency Admissions**. Main causes of admission included cataract procedures, childbirth and dental treatments.

INDICATOR DEFINITION

Indicator:	Main Causes of Hospital Admission
Definition:	Hospital admissions by cause (by ICD (International Statistical Classification of Diseases) Chapter and Code)
Numerator (number of people or events)	Number of hospital admissions of people resident in the specified area who were admitted in the specified period (including those not yet discharged). NB: each admission is counted only once, but if a person is admitted more than once then each of their admissions is counted.
Denominator (total population or events)	All Ages by Gender NB: no admission rates are shown above.
Geographic Coverage	Primary Care Trust
Time period	2008-09
Data Source(s)	Isle of Wight Primary Care Trust
Significance for Health	It is not possible to draw conclusions purely from hospital admission numbers.
Factors that might affect the Accuracy of this Indicator	