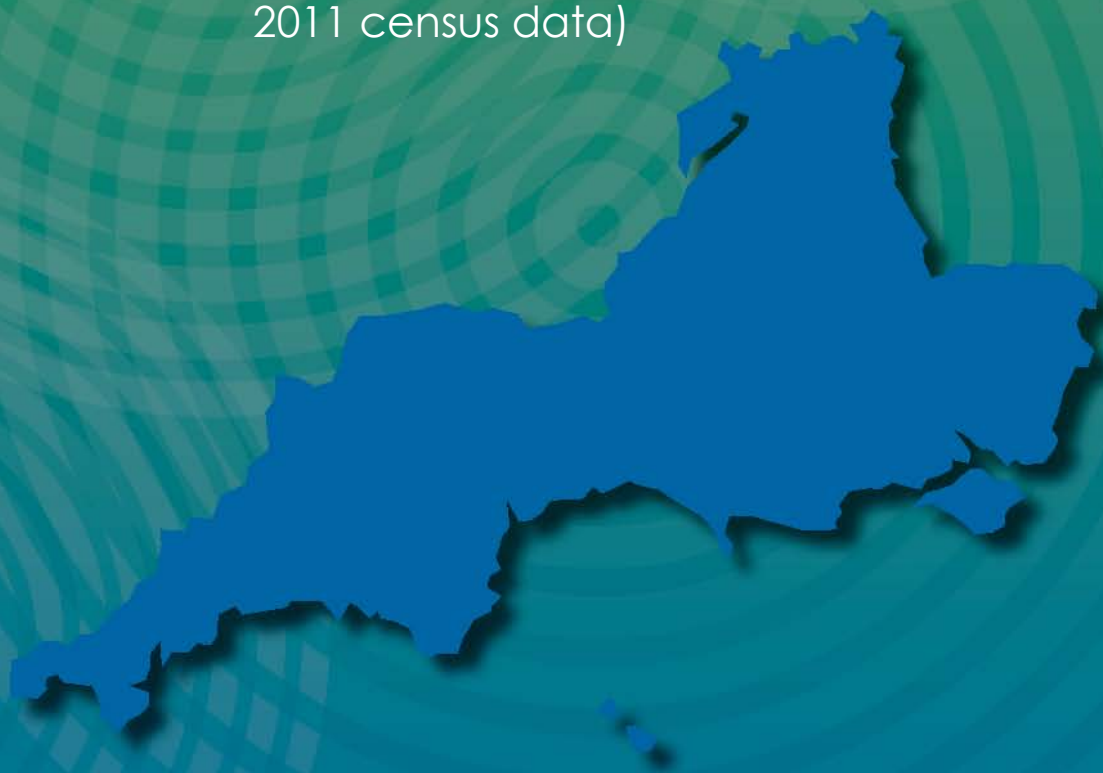




Channel Islands Cancer Registration Report

Public version, incorporating 2007–09
data

July 2012 (populations updated using
2011 census data)



Channel Islands Cancer Registration Report incorporating 2007–09 data

July 2012

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1 Introduction

The South West Cancer Intelligence Service (SWCIS) has assisted the cancer registration process for the Channel Islands since January 1996. This is the 9th annual report from this service to incorporate data for Jersey and Guernsey. Data for the South West (previous Government Office Region) of England are provided for comparison. In most cases where provided, the incidence rates have been standardised to the European Standard Population.

Channel Island cancer registrations are derived from three primary sources:

- Electronic In-Patient data, Pathology and death information is received from both islands. Guernsey also sends an out-patient file containing information on chemotherapy treatment.
- Hospital episodes (HES) data from mainland NHS hospitals
- Pathology data from mainland NHS hospitals.

Other sources include downloads from other regional cancer registries e.g. Thames, to enable complete registration for cases treated outside the South West region. SWCIS also obtains radiotherapy and chemotherapy data from treatment centres but at present this is not completely collected.

The tumours currently registered by the SWCIS include the following:

	Ref ICD 10
All malignant neoplasms	C00–C97
In situ neoplasms	D00–D09
Benign neoplasm of cerebral meninges, brain and other CNS	D32–D33
Benign neoplasms of pituitary gland, craniopharyngeal duct, and pineal gland	D352–D354
Neoplasms of uncertain/unknown behaviour	D37–D48

Except otherwise stated, all the data and figures provided in this report relate to adults aged 20 years and above. Because of the small numbers of paediatric cases, these are now reported separately. For the purpose of this report, the 'paediatric' term refers to those aged 0 to 19 years.

Therefore, there are now 21 "cancer sites or types" for which information is provided throughout this report. In some cases, particularly in sections on

incidence trends and survival, only a limited number of cancer sites (the 4 most common) is reported on. The “cancer sites or types” adopted for this report and their ICD-10 definitions are listed below:

	*Cancer site/type	ICD-10 code(s)
1	**All malignant neoplasms excl. non-melanoma skin	C00-C97 excl. C44
2	Head & neck	C00-C14, C30-C32, C73
3	Upper gastrointestinal	C15-C16, C25
4	Colorectal	C18-C21
5	Hepatobiliary	C22-C24
6	Lung	C33-C34
7	Malignant melanoma	C43
8	***Other Skin	C44
9	Female breast	C50
10	Uterus	C54-C55
11	Ovary	C56
12	Other gynaecological	C51-C53, C57-C58
13	Prostate	C61
14	Kidney and ureter	C64-C66
15	Bladder	C67
16	Male urogenital excl. prostate	C60-C63 excl. C61
17	Brain and CNS	C70-C72
18	Lymphoma	C81-C85, C96
19	Leukaemia	C91-C95
20	****Other sites	****Other Cs
21	Paediatric - 0-19 years	C00-C97 excl. C44

Note: *Except otherwise stated, all cancer sites/types in this table (and hence throughout this report) are for adults aged 20 years and above only.
 **Sometimes shortened and referred to as “all malignancies (C00-C97 excl. C44)” in the body of this report.
 ***In the South West, only the first Basal Cell Carcinoma (BCC) and/or Squamous Cell Carcinoma (SCC) case(s) are recorded per patient. In addition, most of these cases are diagnosed and treated on outpatient basis. Therefore, the data for South West may not be complete.
 ****That is, all other malignancies (other ICD-10 codes starting with a ‘C’) which have not been included in cancer site/type 2 to 19 above, but including ‘C50’ for males only (i.e. Male breast).

Because of the changes to the cancer sites/types, as described above, and the continual update of the source database, the data for previous years in this report may not perfectly match the data in previous reports.

This report is an update using new 2007-09 population data for Jersey. The populations were re-estimated based on the 2011 census results.

2 Summary of Results

2.1 Incidence

Incidence Counts

- i. In Guernsey, there were an average of 670 new tumours registered each year between 2007 and 2009. 91% of these new tumours (representing an average of 608 each year) were malignant tumours and the remaining 9% (which were excluded from further analysis) were benign or in situ tumours. Non-melanoma skin cancers (NMSC) accounted for around 40% of the 3-year annual mean count of 607 malignant tumours.
- ii. In Jersey, there were an average of 975 new tumours registered each year between 2007 and 2009. 82% of these new tumours (representing an average of 803 each year) were malignant tumours and the remaining 18% (which were excluded from further analysis) were benign or in situ tumours. NMSC accounted for around 39% of the 3-year annual mean count of 803 malignant tumours.
- iii. Overall, an all-age average of 362 new malignancies (excluding NMSC) were registered each year between 2007 and 2009 in Guernsey and an all-age average of 491 new malignancies (excluding NMSC) were registered each year in Jersey over the 3-year period.

Incidence Rates

- iv. Guernsey and Jersey have a significantly higher five-year age standardised incidence rate (2005-2009) for malignant cancer excluding NMSC than the South West (see 3.8). Guernsey had a significantly higher rate compared with the South West in 2009 (see 4.1). Prior to the use of PAS data for registration the Channel Islands typically had lower rates than the South West region.
- v. In contrast to the last report, age specific incidence rates for all malignant cancers excluding NMSC (see 4.1, upper right graph) are broadly similar for both Guernsey and Jersey in comparison to the

values of the South West. However, compared to the South West, Guernsey appears to have slightly higher rates for the higher age groups (70-79 and 80+) which historically had lower rates (as noted in the last report).

- vi. The five-year age standardised incidence rates for head and neck cancer are significantly higher in both the Channel Islands when compared with the South West rate (see 3.8). Rates for Guernsey are significantly higher than the South West's in 2008 while rates for Jersey are significantly higher than the South West's in both 2007 and 2008 (see 4.2).
- vii. There were no statistically significant differences between single-year age standardised incidence rates between either of the Channel Islands and the South West for lung cancer between 2007 and 2009 (see 4.6). But lung cancer five-year (2005-2009) age standardised rates are significantly higher in both the Channel Islands compared with the South West (see 3.8).
- viii. Malignant melanoma five-year age standardised incidence rates are significantly higher in Jersey in comparison to the South West, with rates significantly higher every year from 2007 to 2009. While five-year rates in Guernsey are typical of the South West, a big malignant melanoma incidence increase in 2009 resulted in a significantly higher age standardised rate (compared with the South West) for that year (see 3.8 and 4.7).
- ix. For non-melanoma skin cancer (otherwise referred to as "Other Skin" in this report), the five-year age standardised incidence rates are significantly higher in both Channel Islands compared with the South West. Single-year rates were also significantly higher for every year from 2007 to 2009 in both Channel Islands when compared with the South West (see 3.8 and 4.8).

- x. The female breast cancer five-year (2005-2009) and 2007 single-year age standardised incidence rates in Guernsey are significantly lower than those of the South West while Jersey's rates are typical of the South West region (see 3.8 and 4.9).
- xi. The only other female-only cancer to be significantly different in five-year (2005-2009) age standardised rates between any of the Channel Islands and the South West is cancer of the uterus. This is significantly lower in Jersey when compared with the South West (see 3.8).
- xii. Bladder cancer five-year incidence rates in Guernsey and kidney and ureter cancer in Jersey are high and low respectively, when compared with the South West (see 3.8).
- xiii. The five-year (2005-2009) age standardised incidence rate for "other cancers" in Jersey is significantly lower than that of the South West. See 3.8 and chapter 4 respectively for all five-year (2005-2009) and 2007-2009 single-year age standardised rates.

Incidence Trends

- xiv. In Guernsey, the incidence for all malignancies excluding non-melanoma skin cancer (C00-C97 excl. C44) in all adult persons (aged 20 years and above) has significantly increased from 1999 to 2009. The age-standardised rate (ASR) has increased by 28.7% from 505 per 100,000 in 1999 to 650 per 100,000 in 2009, while the numbers of cases rose from 264 to 400, an increase of 51.5% (see 5.1).
- xv. There are no significant differences over time (from 1999 – 2009) in the incidence ASR for female breast cancer in Jersey. In Guernsey, however, its incidence count and ASR doubled from 1999 to 2004 but significantly decreased from 2004 to 2009 (see 5.2).

- xvi. In Guernsey, there are no significant differences over time (from 1999 – 2009) in the incidence ASR for prostate cancer. Jersey’s incidence for prostate cancer in all adult persons (aged 20 years and above) significantly increased from 1999 to 2004 but it decreased significantly from 2004 to 2009 (see 5.3).
- xvii. In both Guernsey and Jersey, there are no significant differences over time (from 1999 – 2009) in the incidence ASR for colorectal cancer (See 5.4).
- xviii. There are no significant differences over time (from 1999 to 2009) in the incidence ASR for lung cancer in Guernsey. In Jersey, however, the incidence for lung cancer in adult females and all adult persons (aged 20 years and above) significantly decreased from 1999 to 2001. In addition, the incidence ASR for lung cancer in all adult persons in Jersey also decreased significantly from 1999 to 2009 by 44.8% – from 95 per 100,000 in 1999 to 52 per 100,000 in 2009 (see 5.5).

2.2 Mortality

- i. Of the known causes of cancer death (see 6.1), the three causes that contributed the majority of deaths from cancer in both Jersey and Guernsey between 2007 and 2009 are lung, upper gastro-intestinal and colorectal cancers (see table below which was derived from the data in 6.1).

Top three causes of cancer death in the Channel Islands, 2007-2009 (Table derived from 6.1)

Cause of death	% of all known cancer deaths (2007 – 2009)	
	Guernsey	Jersey
Lung cancer	21.7%	22.2%
Upper gastro-intestinal cancer	14.3%	13.3%
Colorectal cancer	10.6%	9.1%

- ii. The observed number of known deaths from ‘all cancers (excluding non-melanoma skin cancer)’ between 2007 and 2009 in Guernsey

is typical of the South West. Of the known causes of cancer death, only hepatobiliary and uterine cancers caused significantly fewer deaths than expected in Guernsey after adjusting for differences in age and sex (see 6.2a).

- iii. In Jersey, of the known causes of cancer death (and using the South West as the reference), fewer deaths than expected were caused by all cancers (excluding non-melanoma skin cancer), bladder cancer, and the aggregation of 'other cancers'. Conversely, more deaths than expected were caused by head & neck cancers and non-melanoma skin cancer (see 6.2b).
- iv. 6.3 presents the figures for other known (non-cancer) causes of death in people with a cancer diagnosis in the Channel Islands. In addition, 6.4 shows the very small number of cases where there is an unknown cause of death for people with a cancer diagnosis.

2.3 Relative survival

- i. The one and five-year relative survival rates for the four major cancer sites for both Guernsey and Jersey are largely typical of the South West region (see 7.2 to 7.5).
- ii. However, the one-year relative survival rate of colorectal cancer in Jersey males is significantly higher than the South West's (see 7.4).
- iii. Lung cancer relative survival is the worst of the four major cancer sites. In both Guernsey and Jersey, less than 35% of patients are alive just after one year of diagnosis. This is similar to the South West, where less than 30% of patients are alive after one year of diagnosis (compare 7.5 with 7.2 – 7.4).
- iv. Furthermore, less than 15% of patients diagnosed with lung cancer in Guernsey and Jersey are still alive five years after diagnosis. This is similar to the South West, where less than 10% of patients are typically alive five years after diagnosis (see 7.5).

- v. Female breast and prostate cancer relative survival rates are over 90% and 75% (after one and five years of diagnosis respectively) in the Channel Islands (see 7.2 and 7.3).

2.4 Data quality

- i. The proportion of 2008 and 2009 cases with a recorded stage, for almost all the measured cancer types, does not currently meet the UKACR standard of completeness (see 8.1). The only exceptions are colorectal cancer (2009 data only), breast cancer (2009 data for Guernsey only), and malignant melanoma (2009 data for Jersey only).
- ii. For the 2008 data, only malignant melanoma and lung cancer registrations in Jersey were observed to have currently met the UKACR standard of pathological confirmation (see 8.2a).
- iii. For the 2009 registrations data, lung cancer, melanoma of skin (for Jersey only), prostate cancer (Guernsey only) and bladder cancer (Jersey only) do not currently meet the UKACR standard of pathological confirmation (see 8.2b).
- iv. Other useful information are placed in 8.3 – 8.7.

3 New cases of cancer, 2007–2009

3.1 New cases registered each year

Persons

	Guernsey			Jersey		
	2007	2008	2009	2007	2008	2009
All registrations including <i>in situ</i> and benign tumours	613	661	741	961	992	972
All malignant neoplasms (C00-C97)	547	586	692	808	818	785
All malignant neoplasms excl. non-melanoma skin (C00-C97 excl C44)	334	349	403	504	513	457
All paediatric – 0-19 years – cases (C00-C97)	<5	<5	<5	<5	8	<5

Males

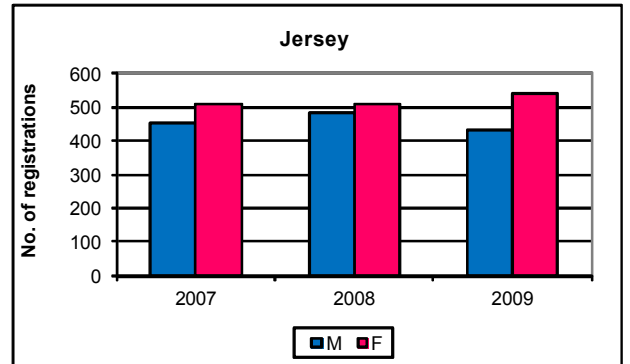
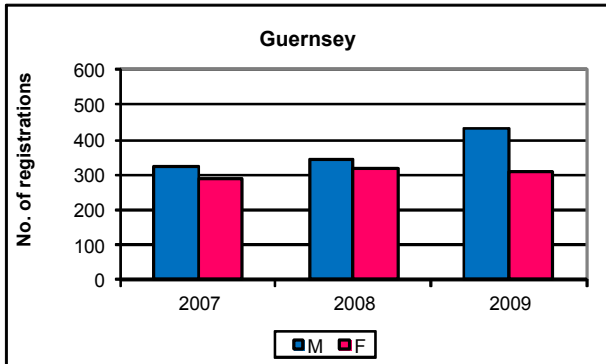
	Guernsey			Jersey		
	2007	2008	2009	2007	2008	2009
All registrations including <i>in situ</i> and benign tumours	325	343	431	450	482	431
All malignant neoplasms (C00-C97)	306	311	412	421	445	395
All malignant neoplasms excl. non-melanoma skin (C00-C97 excl C44)	184	186	231	271	283	232
All paediatric – 0-19 years – cases (C00-C97)	<5	<5	<5	<5	<5	<5

Females

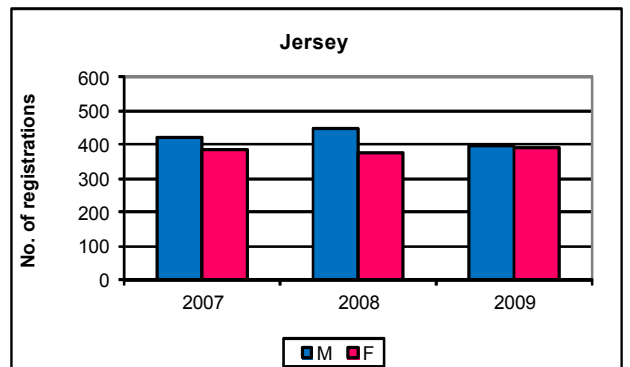
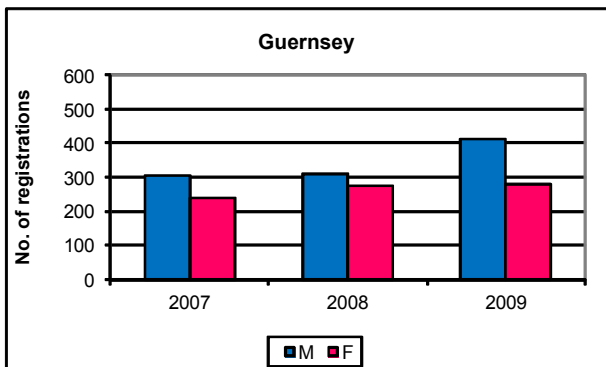
	Guernsey			Jersey		
	2007	2008	2009	2007	2008	2009
All registrations including <i>in situ</i> and benign tumours	288	318	310	511	510	541
All malignant neoplasms (C00-C97)	241	275	280	387	373	390
All malignant neoplasms excl. non-melanoma skin (C00-C97 excl C44)	150	163	172	233	230	225
All paediatric – 0-19 years – cases (C00-C97)	<5	<5	<5	<5	<5	<5

3.2 New cases registered each year by sex

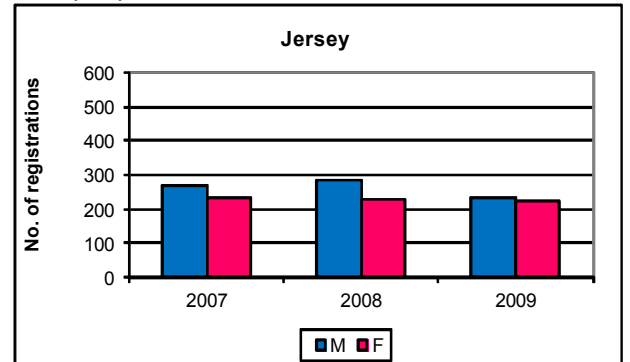
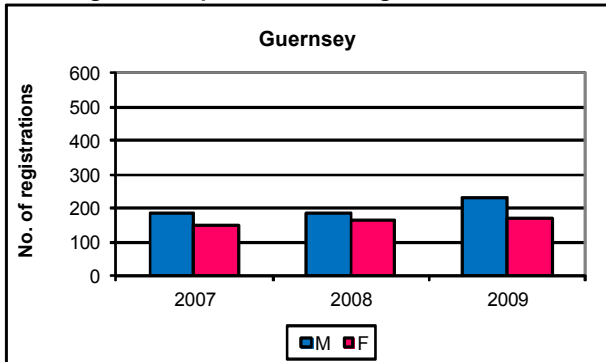
All registrations including *in situ* and benign tumours



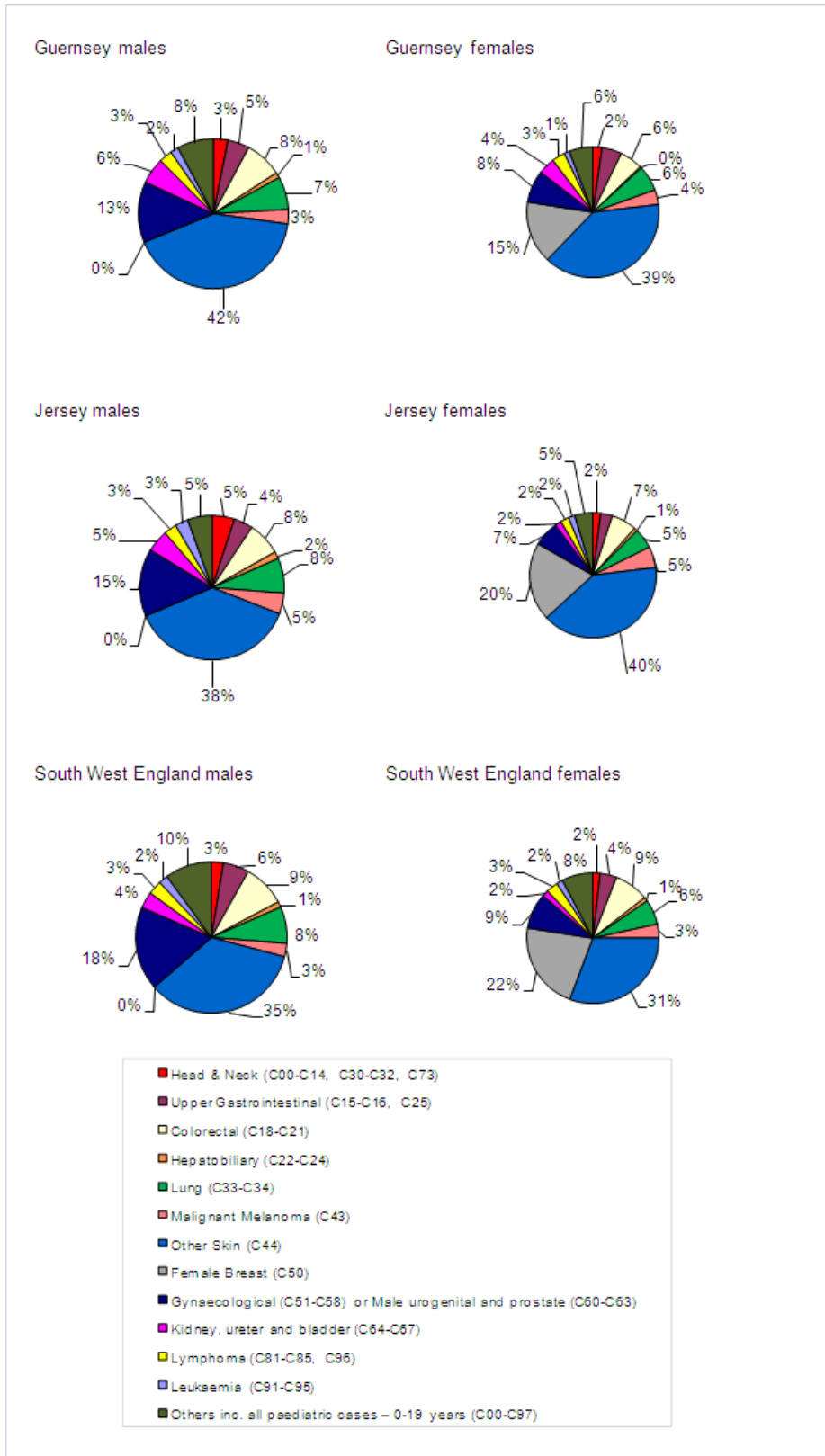
All malignant neoplasms (C00 - C97)



All malignant neoplasms excluding non-melanoma skin cancer (C44)



3.3 Proportion of new cases of all malignant neoplasms (C00-C97) by site, 2007–2009



3.4 3-year average number of new cases and median age at diagnosis, 2007–2009

Cancer site (ICD 10 code)	Average annual no. of cases			Median age at diagnosis		
	Guernsey	Jersey	South West	Guernsey	Jersey	South West
All malignant neoplasms excl. non-melanoma skin	362	491	30,509	70	68	71
Head & neck (C00-C14, C30-C32, C73)	17	29	990	60	62	63
Upper gastrointestinal (C15-C16, C25)	29	30	2,202	72	73	75
Colorectal (C18-C21)	43	57	4,009	72	71	73
Hepatobiliary (C22-C24)	5	10	504	72	72	73
Lung (C33-C34)	41	53	3,192	72	72	74
Malignant melanoma (C43)	20	40	1,402	65	62	64
Other Skin (C44)	246	312	14,867	72	69	73
Female breast (C50)	41	77	4,700	63	61	64
Uterus (C54-C55)	9	9	782	65	70	67
Ovary (C56)	7	9	663	72	72	68
Other gynaecological (C51-C53, C57-C58)	5	7	457	53	58	57
Prostate (C61)	45	64	4,253	72	72	72
Kidney and ureter (C64-C66)	9	10	911	74	68	71
Bladder (C67)	21	17	989	74	79	76
Male urogenital excl. prostate (C60-C63 excl C61)	<5	<5	265	37	37	41
Brain and CNS (C70-C72)	6	7	459	69	64	63
Lymphoma (C81-C85, C96)	18	20	1,338	66	65	69
Leukaemia (C91-C95)	9	19	799	74	73	74
Other sites (Other Cs)	30	26	2,400	76	69	74
Paediatric – 0-19 years (C00-C97)	<5	<5	192	14	15	12

3.5 New cases by ICD-10 Site, 2007-2009

3.5.1 New cases of ICD-10 C00 - C31, 2007 - 2009

Site	Sex	Guernsey			Jersey		
		2007	2008	2009	2007	2008	2009
Lip	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Base of tongue	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other and unspecified parts of tongue	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Gum	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Floor of mouth	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Palate	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other and unspecified parts of mouth	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Parotid gland	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other and unspecified major salivary glands	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Tonsil	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Oropharynx	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Nasopharynx	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Pyriform sinus	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Hypopharynx	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other and ill-defined sites in the lip, oral cavity and pharynx	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Oesophagus	M	8	9	5	7	△	5
	F	5	△	5	△	△	△
Stomach	M	△	△	5	7	6	5
	F	7	△	△	7	△	△
Small intestine	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Colon	M	16	12	14	19	16	14
	F	11	13	9	21	16	18
Rectosigmoid junction	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Rectum	M	11	8	9	15	15	12
	F	△	△	△	△	5	7
Anus and anal canal	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Liver and intrahepatic bile ducts	M	△	5	6	5	5	5
	F	△	△	△	△	△	△
Gallbladder	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other and unspecified parts of biliary tract	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Pancreas	M	6	6	△	△	11	6
	F	△	7	5	△	8	6
Other and ill-defined digestive organs	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Nasal cavity and middle ear	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Accessory sinuses	M	△	△	△	△	△	△
	F	△	△	△	△	△	△

3.5.2 New cases of ICD-10 C32 – C68, 2007 – 2009

Site	Sex	Guernsey			Jersey		
		2007	2008	2009	2007	2008	2009
Larynx	M	△	△	△	△	6	△
	F	△	△	△	△	△	△
Trachea	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Bronchus and lung	M	22	28	23	40	35	24
	F	13	17	19	15	23	22
Thymus	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Heart, mediastinum and pleura	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Bone and articular cartilage of limbs	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Bone and articular cartilage of other and unspecified	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Melanoma of skin	M	6	6	20	19	19	22
	F	8	10	11	21	21	20
Other skin	M	122	125	181	150	164	163
	F	91	112	108	154	143	165
Mesothelioma	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Retroperitoneum and peritoneum	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other connective and soft tissue	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Breast	M	△	△	△	△	△	△
	F	39	42	41	71	80	80
Vulva	M	△	△	△	△	△	△
	F	△	△	△	5	△	△
Vagina	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Cervix uteri	M	△	△	△	△	△	△
	F	5	△	△	△	△	6
Corpus uteri	M	△	△	△	△	△	△
	F	7	9	8	14	△	7
Uterus, part unspecified	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Ovary	M	△	△	△	△	△	△
	F	11	8	△	9	9	8
Other and unspecified female genital organs	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Placenta	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Penis	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Prostate	M	42	44	49	74	64	53
	F	△	△	△	△	△	△
Testis	M	△	△	5	△	5	△
	F	△	△	△	△	△	△
Kidney, except renal pelvis	M	△	6	11	△	7	12
	F	△	△	△	△	△	△
Renal pelvis	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Ureter	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Bladder	M	17	9	11	9	18	13
	F	8	7	11	6	△	△
Other and unspecified urinary organs	M	△	△	△	△	△	△
	F	△	△	△	△	△	△

3.5.3 New cases of ICD-10 C69 – C97, 2007 – 2009

Site	Sex	Guernsey			Jersey		
		2007	2008	2009	2007	2008	2009
Eye and adnexa	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Meninges	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Brain	M	△	△	8	△	6	△
	F	△	△	5	△	5	△
Spinal cord, cranial nerves and other parts of the CNS	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Thyroid gland	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Adrenal gland	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other endocrine glands and related structures	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other and ill-defined sites	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Secondary lymph nodes	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Secondary respiratory and digestive organs	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Secondary other sites	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Without specification of site	M	△	△	5	△	6	5
	F	△	△	5	△	△	△
Hodgkin's disease	M	△	△	△	△	5	△
	F	△	△	△	△	△	△
Follicular [nodular] non-Hodgkin's lymphoma	M	△	△	5	△	△	△
	F	△	△	△	△	△	△
Diffuse non-Hodgkin's lymphoma	M	9	△	5	6	△	△
	F	△	△	11	5	5	△
Peripheral and cutaneous T-cell lymphomas	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other and unspecified types of non-Hodgkin's lymphoma	M	△	△	△	5	△	△
	F	△	△	△	△	△	△
Immunoproliferative diseases	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Multiple myeloma and plasma cell	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Lymphoid leukaemia	M	△	△	5	6	7	6
	F	△	△	△	△	△	△
Myeloid leukaemia	M	△	△	△	△	8	5
	F	△	△	△	△	△	△
Leukaemia of unspecified cell type	M	△	△	△	△	△	△
	F	△	△	△	△	△	△
Other and unspecified of lymphoid, haematopoietic and related tissue	M	△	△	△	△	△	△
	F	△	△	△	△	△	△

There were no registrations for the following cancer sites:

- C39 (Other and ill-defined sites in the respiratory system),
- C46 (Kaposi's sarcoma),
- C47 (Peripheral nerves and autonomic nervous system),
- C63 (Other and unspecified male genital organs),
- C86 (Other specified types of T/NK-cell Lymphoma),
- C93 (Monocytic leukaemia),
- C94 (Other leukaemias of specified cell type), and
- C97 (Independent [primary] multiple sites).

3.6 5-year incidence rates by site, 2005–2009

The 5 year incidence rates reported are directly age standardised rates based on the number of new cases registered between 2005 and 2009. These rates were used in order to take into account the different age structures of the Channel Islands and the South West. These rates have been standardised to the European standard population.

3.6a: 5-year (2005–2009) incidence rates by site, Guernsey compared with South West England

Cancer Site/Category (ICD-10 Code)	Guernsey						South West						ASR Significance Test	
	Count	ASR	LCI	UCI	(±2 se)	Crude Rate	Count	ASR	LCI	UCI	(±2 se)	Crude Rate	P-value	High/Low
All Malignancies (C00-C97 excl C44)	1,682	587.4	558.5	616.4	29.0	694.2	149,992	559.9	556.8	562.9	3.0	755.0	0.03	High
Head & neck (C00-C14, C30-C32, C73)	82	32.0	25.4	39.7	7.0	33.8	4,803	20.6	20.0	21.2	0.6	24.2	<0.01	High
Upper gastrointestinal (C15-C16, C25)	128	42.1	34.5	49.7	7.6	52.8	11,114	37.9	37.2	38.7	0.8	55.9	0.14	NS
Colorectal (C18-C21)	207	71.5	61.4	81.5	10.0	85.4	19,555	67.6	66.6	68.6	1.0	98.4	0.23	NS
Hepatobiliary (C22-C24)	19	6.6	4.0	10.3	3.0	7.8	2,378	8.4	8.0	8.7	0.4	12.0	0.12	NS
Lung (C33-C34)	196	66.6	57.0	76.2	9.6	80.9	15,831	55.4	54.5	56.3	0.9	79.7	0.01	High
Malignant melanoma (C43)	91	34.8	28.0	42.7	7.2	37.6	6,813	29.0	28.3	29.7	0.7	34.3	0.06	NS
Other Skin (C44)	1,129	384.3	361.1	407.5	23.2	466.0	69,555	248.2	246.2	250.2	2.0	350.1	<0.01	High
Female breast (C50)	218	158.1	136.4	179.8	21.7	174.7	23,515	186.0	183.4	188.5	2.5	228.7	<0.01	Low
Uterus (C54-C55)	37	25.1	17.6	34.6	8.5	29.7	3,801	28.5	27.6	29.5	1.0	37.0	0.21	NS
Ovary (C56)	34	22.5	15.6	31.4	7.9	27.3	3,498	26.0	25.1	27.0	0.9	34.0	0.19	NS
Other gynaecological (C51-C53, C57-C58)	26	18.9	12.4	27.7	7.6	20.8	2,198	19.2	18.3	20.1	0.9	21.4	0.47	NS
Prostate (C61)	197	143.5	123.2	163.8	20.3	167.6	20,631	155.9	153.7	158.1	2.2	215.2	0.12	NS
Kidney and ureter (C64-C66)	46	15.3	11.2	20.4	4.6	19.0	4,407	16.7	16.1	17.2	0.5	22.2	0.28	NS
Bladder (C67)	98	30.9	25.1	37.6	6.4	40.4	4,934	16.6	16.1	17.1	0.5	24.8	<0.01	High
Male urogenital excl. prostate (C60-C63 excl C61)	16	14.3	8.2	23.3	7.0	13.6	1,293	14.0	13.3	14.8	0.8	13.5	0.47	NS
Brain and CNS (C70-C72)	25	9.6	6.2	14.1	3.8	10.3	2,288	9.8	9.4	10.3	0.4	11.5	0.45	NS
Lymphoma (C81-C85, C96)	85	30.6	24.5	37.9	6.7	35.1	6,689	26.2	25.6	26.9	0.7	33.7	0.10	NS
Leukaemia (C91-C95)	40	12.5	8.9	17.0	4.0	16.5	4,016	14.3	13.8	14.8	0.5	20.2	0.19	NS
Other sites (Other Cs)	137	43.9	36.2	51.7	7.7	56.5	12,227	42.5	41.7	43.3	0.8	61.5	0.36	NS
Paediatric – 0-19 years (C00-C97)	13	19.4	10.3	33.1	10.7	19.1	936	15.8	14.8	16.8	1.0	15.7	0.26	NS

3.6b: 5-year (2005–2009) incidence rates by site, Jersey compared with South West England

Cancer Site/Category (ICD-10 Code)	Jersey						South West						ASR Significance Test	
	Count	ASR	LCI	UCI	(±2 se)	Crude Rate	Count	ASR	LCI	UCI	(±2 se)	Crude Rate	P-value	High/Low
All Malignancies (C00-C97 excl C44)	2,450	597.7	573.5	622.0	24.7	675.8	149,992	559.9	556.8	562.9	3.0	755.0	<0.01	High
Head & neck (C00-C14, C30-C32, C73)	153	40.7	34.2	47.2	6.6	42.2	4,803	20.6	20.0	21.2	0.6	24.2	<0.01	High
Upper gastrointestinal (C15-C16, C25)	170	39.9	33.8	46.1	6.3	46.9	11,114	37.9	37.2	38.7	0.8	55.9	0.26	NS
Colorectal (C18-C21)	297	68.8	60.7	76.8	8.2	81.9	19,555	67.6	66.6	68.6	1.0	98.4	0.39	NS
Hepatobiliary (C22-C24)	41	10.2	7.3	13.8	3.2	11.3	2,378	8.4	8.0	8.7	0.4	12.0	0.14	NS
Lung (C33-C34)	293	70.0	61.8	78.2	8.4	80.8	15,831	55.4	54.5	56.3	0.9	79.7	<0.01	High
Malignant melanoma (C43)	181	46.3	39.4	53.1	7.0	49.9	6,813	29.0	28.3	29.7	0.7	34.3	<0.01	High
Other Skin (C44)	1,479	354.8	336.2	373.4	19.0	407.9	69,555	248.2	246.2	250.2	2.0	350.1	<0.01	High
Female breast (C50)	363	173.2	154.8	191.5	18.7	194.9	23,515	186.0	183.4	188.5	2.5	228.7	0.09	NS
Uterus (C54-C55)	38	17.3	12.3	23.8	5.8	20.4	3,801	28.5	27.6	29.5	1.0	37.0	<0.01	Low
Ovary (C56)	51	23.4	17.4	30.8	6.8	27.4	3,498	26.0	25.1	27.0	0.9	34.0	0.22	NS
Other gynaecological (C51-C53, C57-C58)	34	17.3	12.0	24.2	6.1	18.3	2,198	19.2	18.3	20.1	0.9	21.4	0.27	NS
Prostate (C61)	325	167.1	148.7	185.4	18.7	184.3	20,631	155.9	153.7	158.1	2.2	215.2	0.12	NS
Kidney and ureter (C64-C66)	53	13.2	9.9	17.2	3.7	14.6	4,407	16.7	16.1	17.2	0.5	22.2	0.03	Low
Bladder (C67)	78	17.3	13.6	21.5	4.0	21.5	4,934	16.6	16.1	17.1	0.5	24.8	0.38	NS
Male urogenital excl. prostate (C60-C63 excl C61)	26	14.3	9.3	21.0	5.7	14.7	1,293	14.0	13.3	14.8	0.8	13.5	0.46	NS
Brain and CNS (C70-C72)	35	9.4	6.5	13.1	3.2	9.7	2,288	9.8	9.4	10.3	0.4	11.5	0.39	NS
Lymphoma (C81-C85, C96)	99	24.8	20.1	30.2	5.1	27.3	6,689	26.2	25.6	26.9	0.7	33.7	0.29	NS
Leukaemia (C91-C95)	75	17.5	13.8	22.0	4.2	20.7	4,016	14.3	13.8	14.8	0.5	20.2	0.06	NS
Other sites (Other Cs)	138	33.5	27.8	39.2	5.8	38.1	12,227	42.5	41.7	43.3	0.8	61.5	<0.01	Low
Paediatric – 0-19 years (C00-C97)	17	16.9	9.8	27.0	8.2	17.1	936	15.8	14.8	16.8	1.0	15.7	0.40	NS

Note:

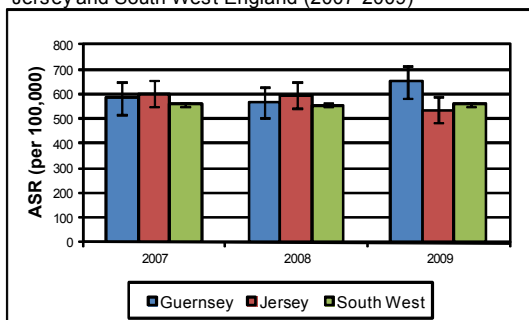
ASR – Directly Age Standardised Incidence Rate (significance testing is at 5% significance level); LCI – 95% Lower Confidence Interval; UCI – 95% Upper Confidence Interval; se – Standard Error; NS – Rate is not significantly different; High – Rate is significantly high when compared with the South West; Low - Rate is significantly low when compared with the South West.

4 New cases and rates by site

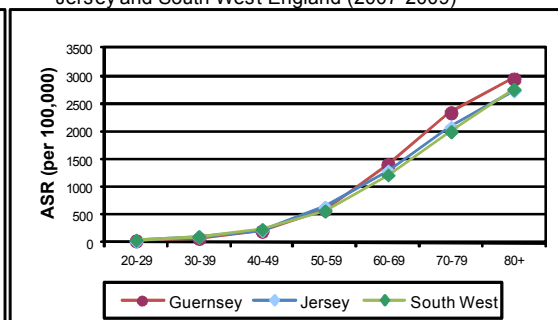
Because of the very small numbers of paediatric (0 to 19 years) cases, these are not reported in this chapter. All the data and figures provided in this chapter, therefore, relate to adults aged 20 years and above.

4.1 All malignancies (C00–C97 excluding C44)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

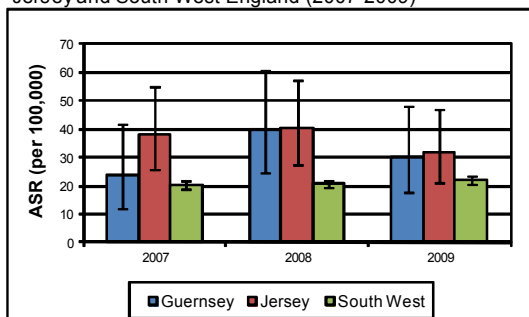


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for all cancers in Guernsey, Jersey and South West England.

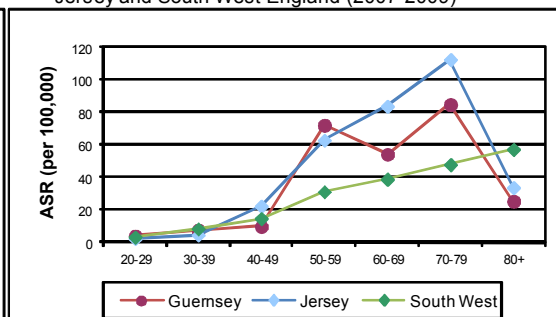
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	584.3	567.7	649.7	602.6	594.3	537.3	559.2	556.5	558.5
±(2se)	65.3	61.9	65.9	54.1	53.1	50.5	6.7	6.7	6.7
New cases	331	346	400	500	505	456	29,946	30,231	30,773
Crude Rate	693.5	688.7	788.8	674.3	671.1	600.9	751.7	752.7	762.0

4.2 Head and neck cancer (C00–C14, C30–C32, C73)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

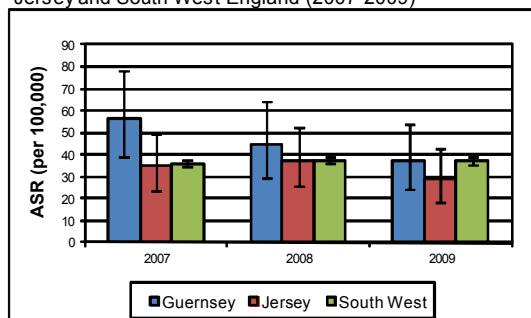


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for head and neck cancer in Guernsey, Jersey and South West England.

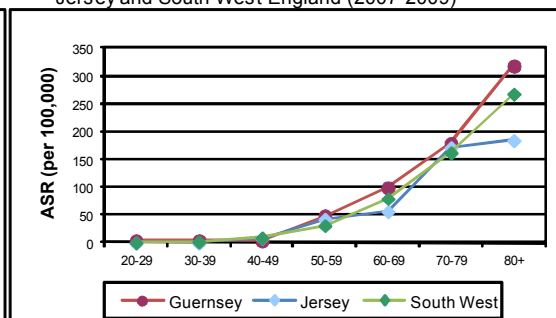
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	23.9	39.6	30.1	38.4	40.6	32.1	20.6	20.7	22.0
±(2se)	13.9	17.2	14.5	14.1	14.4	12.6	1.4	1.4	1.4
New cases	12	21	17	29	31	26	948	984	1,037
Crude Rate	25.1	41.8	33.5	39.1	41.2	34.3	23.8	24.5	25.7

4.3 Upper gastro-intestinal (GI) cancer (C15-C16, C25)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

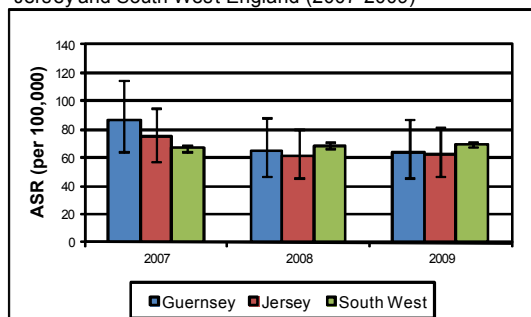


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for upper GI cancer in Guernsey, Jersey and South West England.

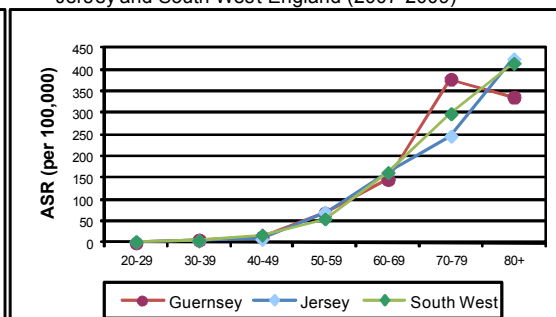
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	56.1	44.3	36.9	34.9	37.3	28.8	36.1	37.6	37.1
±(2se)	20.0	17.4	15.1	12.7	13.2	11.6	1.6	1.6	1.6
New cases	34	27	26	31	33	25	2,123	2,237	2,246
Crude Rate	71.2	53.7	51.3	41.8	43.9	32.9	53.3	55.7	55.6

4.4 Colorectal cancer (C18-C21)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

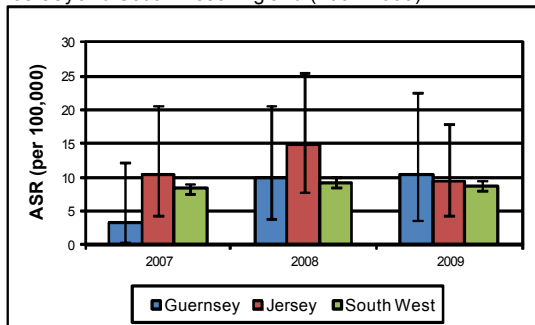


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for colorectal cancer in Guernsey, Jersey and South West England.

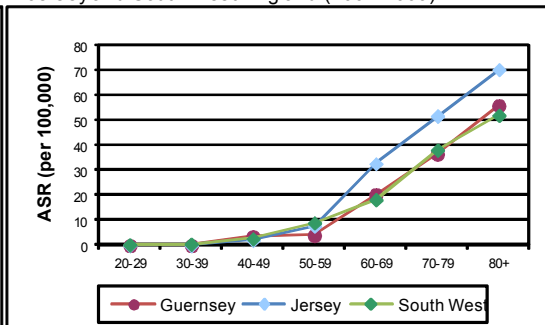
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	87.0	64.8	64.1	74.6	61.4	62.2	67.1	68.8	69.5
±(2se)	25.1	20.6	20.6	19.1	16.9	17.1	2.2	2.4	2.2
New cases	48	41	39	62	54	54	3,884	3,998	4,146
Crude Rate	100.6	81.6	76.9	83.6	71.8	71.2	97.5	99.5	102.7

4.5 Hepatobiliary cancer (C22-C24)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

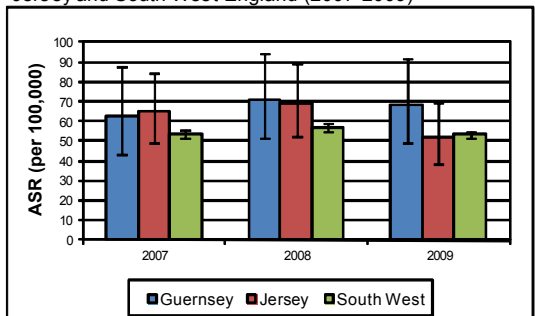


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for hepatobiliary cancer in Guernsey, Jersey and South West England.

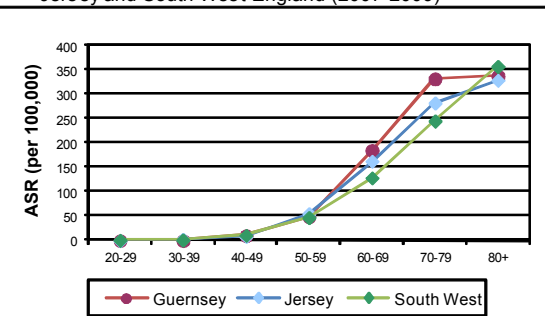
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	3.4	10.0	10.4	10.5	14.9	9.5	8.4	9.3	8.8
±(2se)	4.9	7.8	8.4	7.3	8.3	6.5	0.8	0.8	0.8
New cases	Suppress	Suppress	Suppress	8	13	9	471	524	518
Crude Rate	4.2	13.9	11.8	10.8	17.3	11.9	11.8	13.0	12.8

4.6 Lung cancer (C33-C34)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

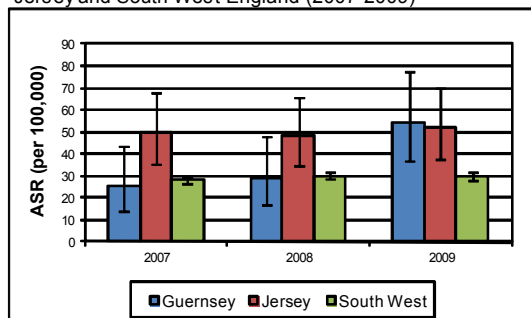


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for lung cancer in Guernsey, Jersey and South West England.

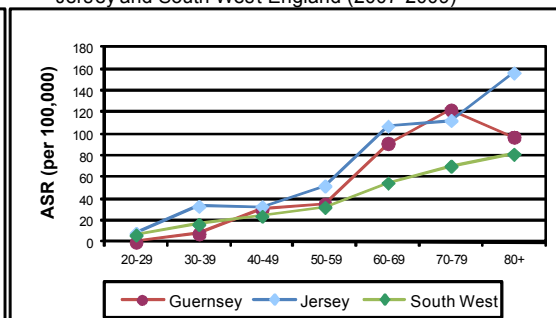
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	62.9	70.5	68.3	65.1	69.0	52.1	53.7	57.1	53.4
±(2se)	21.4	21.4	21.0	17.7	18.1	15.3	2.0	2.0	2.0
New cases	35	45	43	55	58	46	3,076	3,336	3,164
Crude Rate	73.3	89.6	84.8	74.2	77.1	60.6	77.2	83.1	78.3

4.7 Malignant melanoma (C43)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

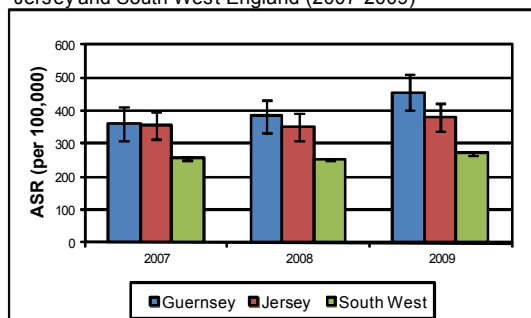


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for malignant melanoma in Guernsey, Jersey and South West England.

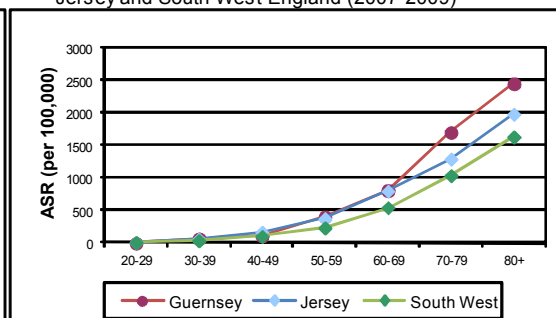
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	25.8	29.4	54.4	49.9	48.4	51.8	28.2	30.2	29.9
±(2se)	13.9	14.5	19.6	15.9	15.3	16.0	1.6	1.6	1.6
New cases	14	16	31	39	40	42	1,328	1,449	1,429
Crude Rate	29.3	31.8	61.1	52.6	53.2	55.3	33.3	36.1	35.4

4.8 Other skin cancers (C44)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

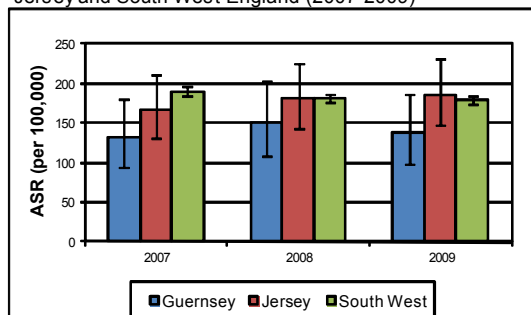


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for other skin cancer in Guernsey, Jersey and South West England.

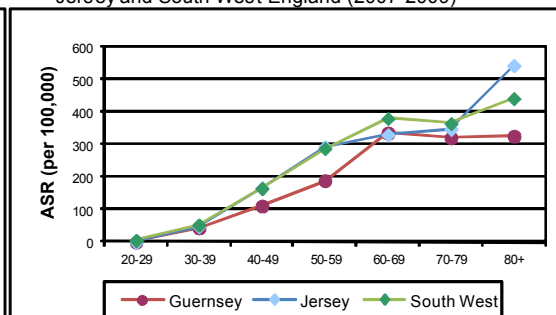
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	360.7	384.3	456.9	355.2	351.3	381.8	256.6	253.3	272.3
±(2se)	50.3	50.8	54.5	41.2	40.6	42.3	4.5	4.4	4.5
New cases	213	237	289	304	305	328	14,352	14,450	15,800
Crude Rate	446.3	471.8	569.9	410.0	405.3	432.2	360.2	359.8	391.2

4.9 Female breast cancer (C50)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

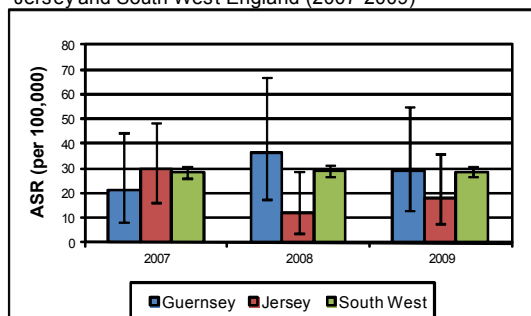


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for female breast cancer in Guernsey, Jersey and South West England.

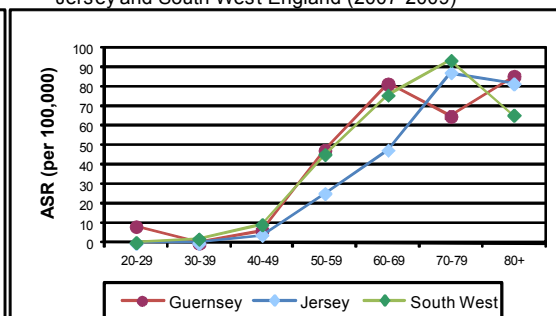
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	132.1	150.7	137.4	166.9	181.0	186.4	190.3	181.1	178.7
±(2se)	43.7	47.0	43.7	40.0	41.0	41.9	5.7	5.5	5.5
New cases	39	42	41	71	80	80	4,830	4,633	4,638
Crude Rate	158.5	162.8	158.1	187.5	208.1	206.4	234.4	223.4	222.5

4.10 Cancer of the uterus (C54-C55)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

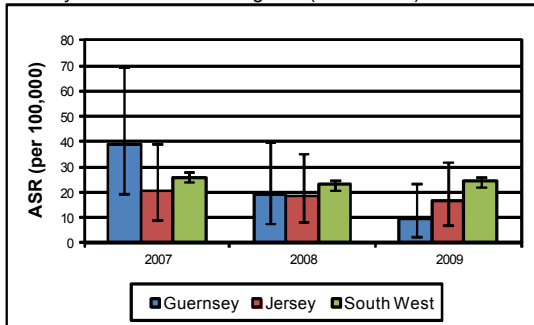


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for uterine cancer in Guernsey, Jersey and South West England.

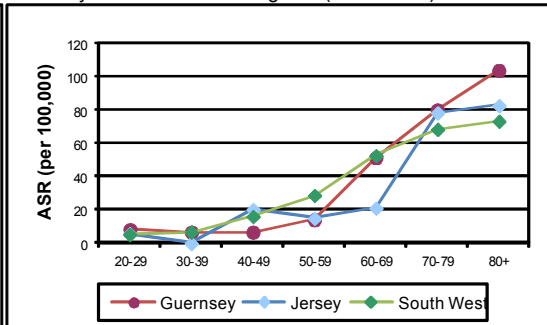
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	21.6	36.5	29.0	29.6	12.4	18.2	28.4	29.2	28.8
±(2se)	17.4	23.1	20.2	15.6	11.2	12.9	2.2	2.2	2.2
New cases	7	10	9	15	5	8	758	796	792
Crude Rate	28.5	38.8	34.7	39.6	13.0	20.6	36.8	38.4	38.0

4.11 Cancer of the ovary (C56)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

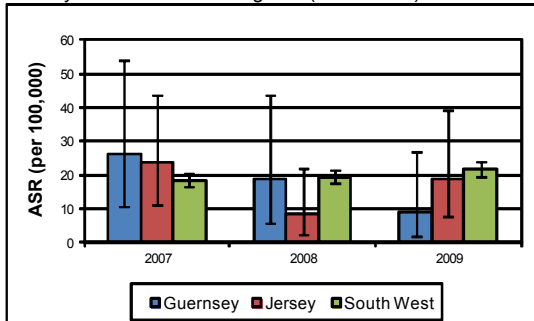


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for ovarian cancer in Guernsey, Jersey and South West England.

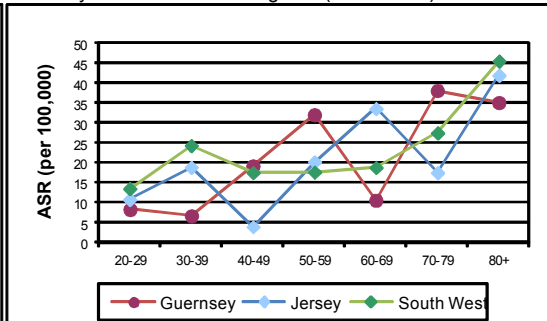
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	38.9	19.4	9.3	20.7	18.5	16.4	26.2	23.1	24.4
±(2se)	24.1	15.3	10.0	14.2	12.5	11.8	2.2	2.0	2.0
New cases	Suppress	Suppress	Suppress	9	9	8	686	633	671
Crude Rate	44.7	27.1	15.4	23.8	23.4	20.6	33.3	30.5	32.2

4.12 Other gynaecological cancers (C51–C53, C57–C58)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

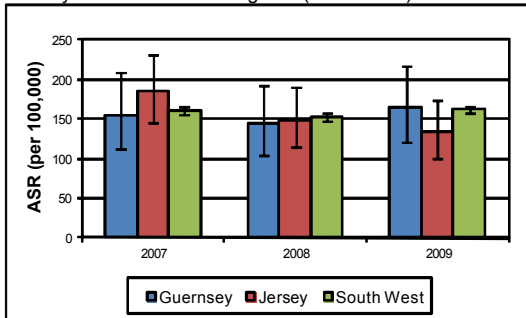


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for other gynaecological cancer in Guernsey, Jersey and South West England.

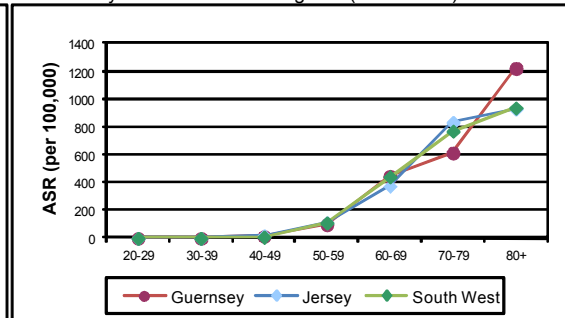
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	26.3	18.7	9.2	23.7	8.7	19.2	18.6	19.6	21.9
±(2se)	20.6	16.7	11.2	15.2	8.9	14.4	2.0	2.0	2.2
New cases	Suppress	Suppress	Suppress	Suppress	Suppress	Suppress	444	439	487
Crude Rate	28.5	19.4	11.6	26.4	10.4	18.1	21.5	21.2	23.4

4.13 Prostate cancer (C61)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

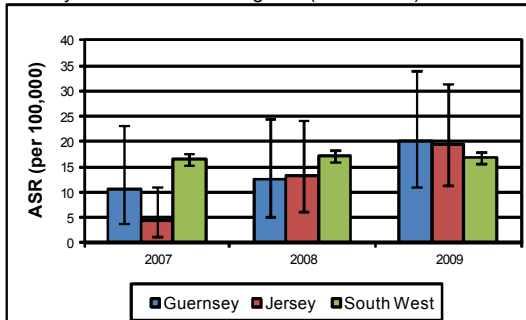


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for prostate cancer in Guernsey, Jersey and South West England.

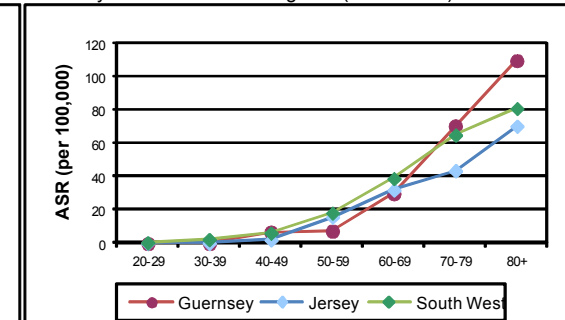
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	155.0	143.5	164.5	185.2	149.1	133.9	160.7	152.0	161.9
±(2se)	47.4	43.1	46.5	42.6	37.1	36.3	4.9	4.7	4.9
New cases	42	44	49	74	64	53	4,230	4,108	4,422
Crude Rate	181.6	180.0	197.8	204.0	173.8	142.7	219.9	211.4	226.3

4.14 Kidney and ureter cancer (C64-C66)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

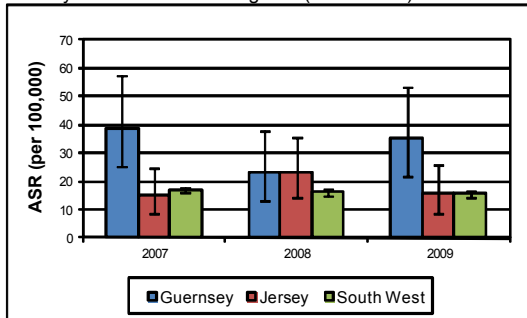


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for kidney and ureter cancer in Guernsey, Jersey and South West England.

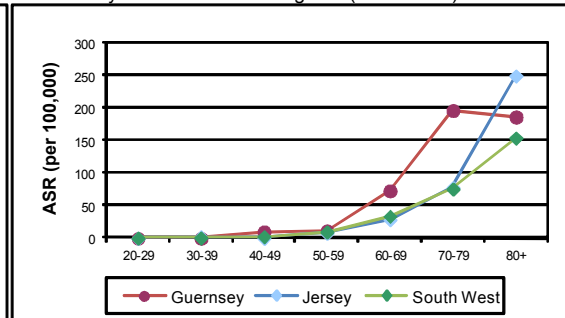
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	10.6	12.5	20.3	4.4	13.1	19.6	16.6	17.2	16.8
±(2se)	8.8	9.0	11.2	4.4	8.2	9.6	1.2	1.2	1.2
New cases	6	8	14	Suppress	Suppress	Suppress	878	936	920
Crude Rate	12.6	15.9	27.6	5.4	13.3	22.4	22.0	23.3	22.8

4.15 Bladder cancer (C67)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

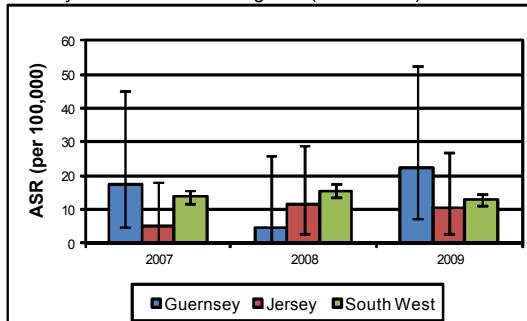


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for bladder cancer in Guernsey, Jersey and South West England.

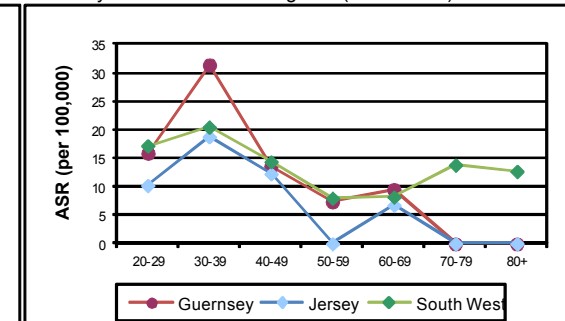
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	38.9	23.4	35.2	15.0	23.4	15.6	16.9	16.3	15.7
±(2se)	15.9	12.0	15.1	8.0	10.2	8.1	1.2	1.0	1.0
New cases	25	16	22	15	21	15	1,003	984	980
Crude Rate	52.4	31.8	43.4	20.2	27.9	19.8	25.2	24.5	24.3

4.16 Male urogenital cancer excl prostate cancer (C60-C63 excl C61)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for male urogenital cancer in Guernsey, Jersey and South West England.

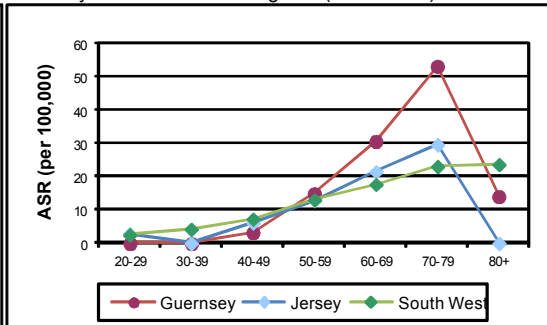
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	17.7	4.7	22.5	5.0	11.3	10.6	13.8	15.6	13.1
±(2se)	17.4	9.2	19.8	7.0	11.1	10.4	1.8	1.8	1.6
New cases	Suppress	Suppress	Suppress	Suppress	Suppress	Suppress	250	291	254
Crude Rate	17.3	4.1	20.2	5.5	10.9	10.8	13.0	15.0	13.0

4.17 Brain and CNS cancer (C70-C72)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

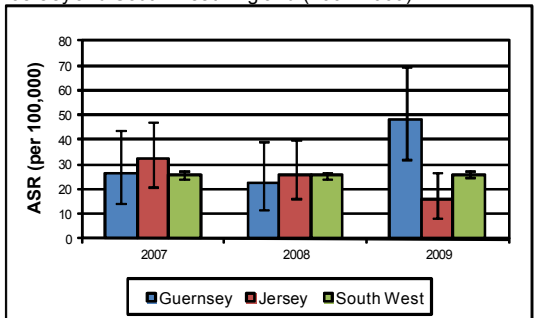


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for brain and CNS cancer in Guernsey, Jersey and South West England.

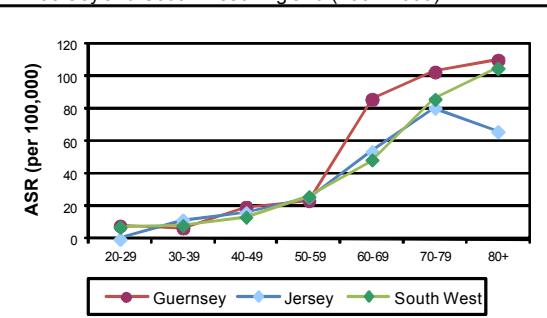
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	2.1	8.1	23.2	8.7	15.5	2.8	9.6	10.0	9.6
±(2se)	4.1	7.3	12.7	6.5	8.9	3.9	1.0	1.0	1.0
New cases	Suppress	Suppress	Suppress	Suppress	Suppress	Suppress	454	459	464
Crude Rate	2.1	10.0	25.6	9.4	15.9	2.6	11.4	11.4	11.5

4.18 Lymphoma (C81-C85, C96)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

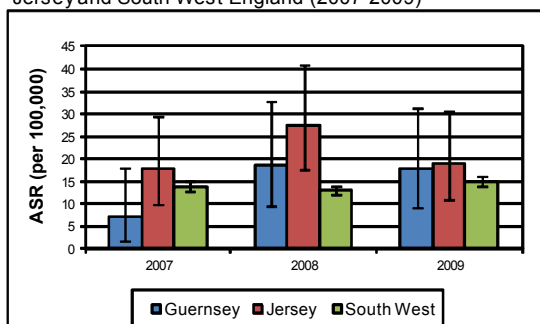


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for lymphoma in Guernsey, Jersey and South West England.

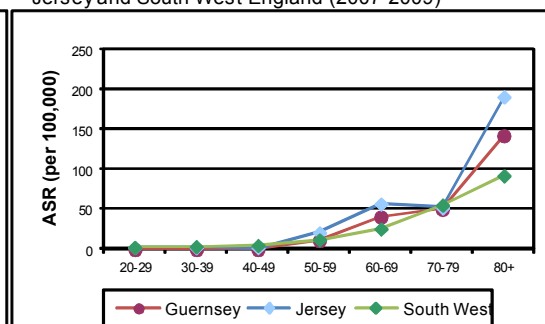
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	26.3	22.4	48.2	32.3	26.0	16.0	25.8	25.6	26.2
±(2se)	14.1	12.9	18.0	12.7	11.3	8.6	1.6	1.4	1.6
New cases	14	12	29	26	21	14	1,308	1,328	1,377
Crude Rate	29.3	23.9	57.2	35.1	27.9	18.4	32.8	33.1	34.1

4.19 Leukaemia (C91-C95)

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)

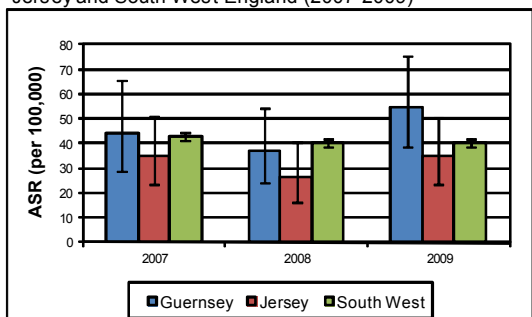


Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for leukaemia in Guernsey, Jersey and South West England.

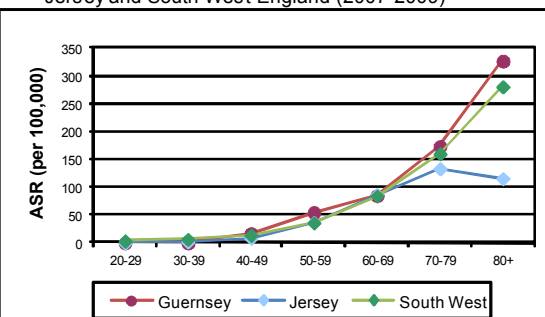
	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	7.1	18.7	18.0	17.9	27.5	19.1	14.0	13.1	15.0
±(2se)	7.1	11.0	10.6	9.3	11.3	9.4	1.0	1.0	1.2
New cases	Suppress	Suppress	Suppress	15	24	17	786	765	846
Crude Rate	8.4	23.9	23.7	20.2	31.9	22.4	19.7	19.0	20.9

4.20 Other sites' cancers (Other 'C' ICD-10 codes) including male breast cancer

Age standardised incidence rates for Guernsey, Jersey and South West England (2007-2009)



Age specific incidence rates for Guernsey, Jersey and South West England (2007-2009)



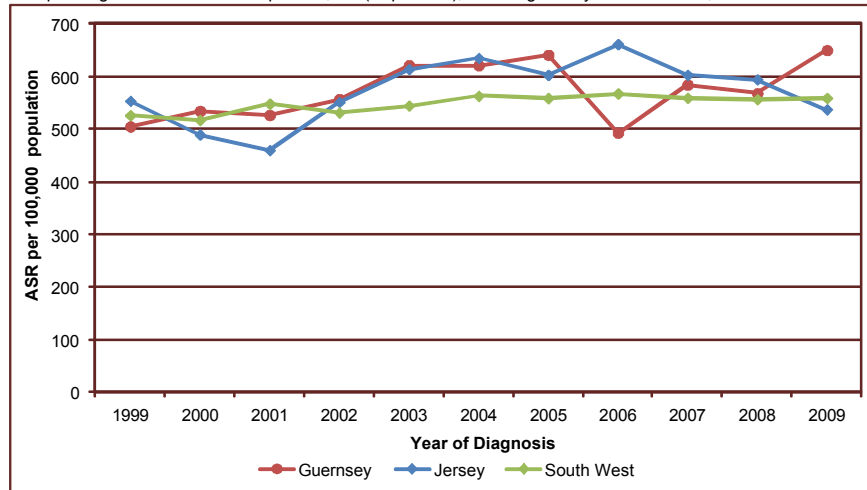
Age standardised incidence rates (ASR) with confidence limits, number of new cases and the crude rate (per 100,000 population) for other sites in Guernsey, Jersey and South West England.

	Guernsey			Jersey			South West		
	2007	2008	2009	2007	2008	2009	2007	2008	2009
ASR	44.5	37.2	54.8	35.2	26.6	35.4	43.1	40.2	40.1
±(2se)	18.0	14.9	18.4	13.2	11.3	13.1	1.8	1.8	1.8
New cases	26	27	37	28	22	29	2,489	2,331	2,381
Crude Rate	54.5	53.7	73.0	37.8	29.2	38.2	62.5	58.0	59.0

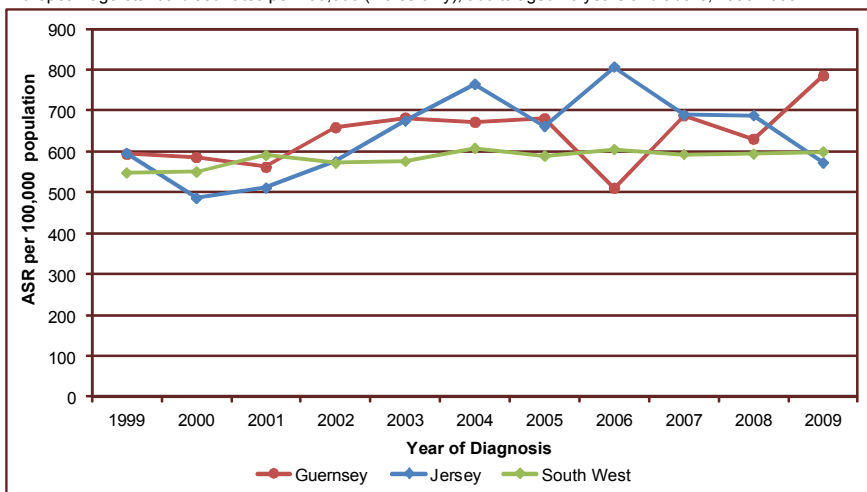
5 Incidence trends, 1999 – 2009

5.1 All malignancies (C00–C97 excluding C44)

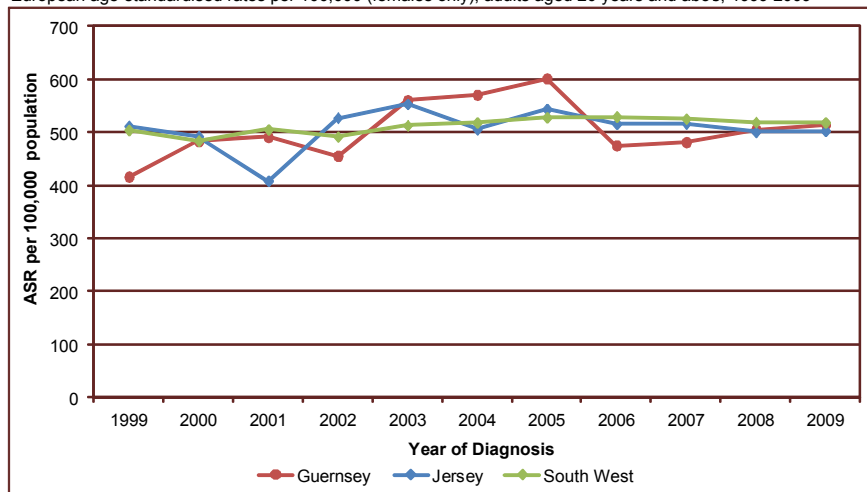
Incidence trend for all malignancies (C00-C97 excl. C44) in Guernsey, Jersey and South West England, European age-standardised rates per 100,000 (all persons), adults aged 20 years and above, 1999-2009



Incidence trends for all malignancies (C00-C97 excl. C44) in Guernsey, Jersey and South West England, European age-standardised rates per 100,000 (males only), adults aged 20 years and above, 1999-2009



Incidence trends for all malignancies (C00-C97 excl. C44) in Guernsey, Jersey and South West England, European age-standardised rates per 100,000 (females only), adults aged 20 years and above, 1999-2009

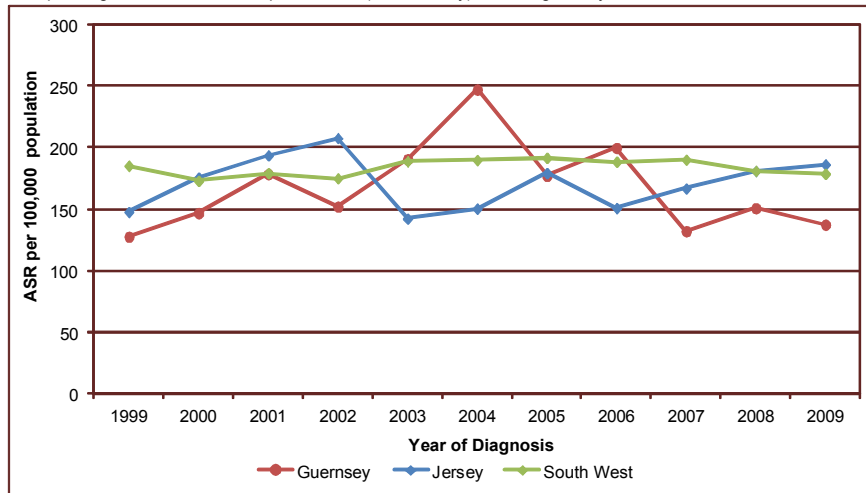


New cases, crude rates, European age-standardised rates (ASR) per 100,000 and confidence limits for all malignancies (C00-C97 excl. C44), adults aged 20+ years, Guernsey, Jersey and South West England, 1999-2009

Area	Year	Males					Females					Persons				
		Count	Crude Rate	ASR	ASR LCI	ASR UCI	Count	Crude Rate	ASR	ASR LCI	ASR UCI	Count	Crude Rate	ASR	ASR LCI	ASR UCI
Guernsey	1999	144	654.2	593.3	495.5	691.1	120	501.0	416.3	336.8	495.8	264	574.4	504.8	441.8	567.8
	2000	145	658.7	585.5	489.3	681.8	144	601.3	483.3	399.4	567.2	289	628.8	534.4	470.6	598.3
	2001	134	608.7	561.4	465.5	657.3	136	567.8	491.1	404.4	577.9	270	587.4	526.3	461.6	590.9
	2002	157	713.2	657.9	553.9	761.9	135	563.7	455.7	373.2	538.2	292	635.3	556.8	490.4	623.2
	2003	163	740.5	681.7	576.0	787.5	158	659.7	560.5	468.2	652.9	321	698.4	621.1	551.0	691.3
	2004	163	740.5	671.4	567.2	775.6	180	751.6	570.7	481.2	660.1	343	746.3	621.0	552.4	689.7
	2005	163	740.5	679.7	574.3	785.1	169	705.6	601.7	506.1	697.2	332	722.3	640.7	569.5	711.8
	2006	132	569.7	510.2	422.0	598.3	141	576.0	475.2	392.3	558.2	273	572.9	492.7	432.2	553.2
	2007	181	782.6	687.1	586.0	788.2	150	609.7	481.5	399.2	563.8	331	693.5	584.3	519.1	649.5
	2008	184	752.9	630.1	537.5	722.6	162	627.9	505.4	422.9	587.9	346	688.7	567.7	505.7	629.7
2009	229	924.4	784.5	681.5	887.4	171	659.3	515.0	433.1	596.9	400	788.8	649.7	584.0	715.5	
Jersey	1999	205	625.2	594.7	512.8	676.7	208	587.1	511.9	439.4	584.3	413	605.4	553.3	498.6	608.0
	2000	168	512.4	485.8	411.9	559.8	200	564.5	492.4	421.6	563.2	368	539.5	489.1	437.9	540.3
	2001	176	536.8	510.6	434.7	586.5	166	468.5	408.7	344.1	473.4	342	501.3	459.7	409.8	509.5
	2002	199	606.9	574.3	493.8	654.7	215	606.8	527.5	454.2	600.9	414	606.9	550.9	496.5	605.3
	2003	236	719.8	673.9	587.3	760.4	221	623.8	553.3	477.8	628.8	457	669.9	613.6	556.2	671.0
	2004	271	824.2	763.8	672.2	855.5	212	596.7	505.8	434.6	576.9	483	706.0	634.8	576.8	692.8
	2005	240	727.4	661.1	576.3	745.9	229	643.9	543.9	470.2	617.7	469	684.1	602.5	546.4	658.7
	2006	297	897.6	806.0	713.4	898.6	223	626.2	516.1	445.5	586.7	520	756.9	661.1	602.8	719.3
	2007	270	744.2	688.8	605.7	771.9	230	607.3	516.3	447.0	585.6	500	674.3	602.6	548.5	656.7
	2008	279	757.7	687.8	606.1	769.6	226	588.0	500.8	433.1	568.4	505	671.1	594.3	541.2	647.4
2009	232	624.9	572.0	497.5	646.5	224	578.0	502.6	434.5	570.8	456	600.9	537.3	486.8	587.8	
South West	1999	12,310	695.8	547.5	537.6	557.4	13,110	677.0	504.3	494.9	513.8	25,420	686.0	525.9	519.1	532.8
	2000	12,496	699.9	549.7	539.8	559.6	12,816	656.1	484.1	474.9	493.3	25,312	677.0	516.9	510.1	523.6
	2001	13,615	755.7	590.5	580.3	600.7	13,595	691.4	505.5	496.2	514.8	27,210	722.2	548.0	541.1	554.9
	2002	13,417	739.2	570.9	560.9	580.8	13,268	669.7	491.7	482.6	500.8	26,685	702.9	531.3	524.5	538.0
	2003	13,719	749.7	575.6	565.7	585.5	14,053	706.3	513.2	503.9	522.5	27,772	727.1	544.4	537.6	551.2
	2004	14,690	793.7	607.3	597.1	617.4	14,115	705.6	518.4	509.1	527.7	28,805	747.9	562.8	556.0	569.7
	2005	14,461	771.6	588.7	578.8	598.6	14,681	726.4	528.0	518.7	537.3	29,142	748.1	558.4	551.6	565.2
	2006	15,149	800.2	604.8	594.8	614.7	14,751	723.1	529.7	520.4	539.0	29,900	760.2	567.2	560.4	574.0
	2007	15,097	784.9	592.8	583.0	602.6	14,849	720.6	525.5	516.3	534.8	29,946	751.7	559.2	552.4	565.9
	2008	15,446	795.0	593.8	584.1	603.5	14,785	713.0	519.1	510.0	528.2	30,231	752.7	556.5	549.8	563.1
2009	15,807	808.9	598.8	589.2	608.5	14,966	718.0	518.2	509.1	527.3	30,773	762.0	558.5	551.9	565.2	

5.2 Female breast cancer (C50)

Incidence trends for female breast cancer (C50) in Guernsey, Jersey and South West England,
European age-standardised rates per 100,000 (females only), adults aged 20 years and above, 1999-2009

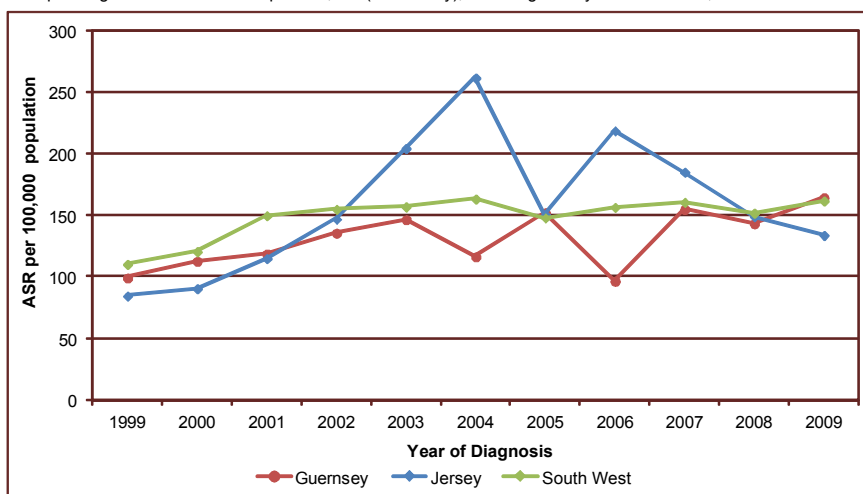


New cases, crude rates, European age-standardised rates (ASR) per 100,000 and confidence limits for female breast cancer (C50), adults aged 20+ years, Guernsey, Jersey and South West England, 1999-2009

Females	
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5.3 Prostate cancer (C61)

Incidence trends for prostate cancer (C18-C21) in Guernsey, Jersey and South West England, European age-standardised rates per 100,000 (males only), adults aged 20 years and above, 1999-2009

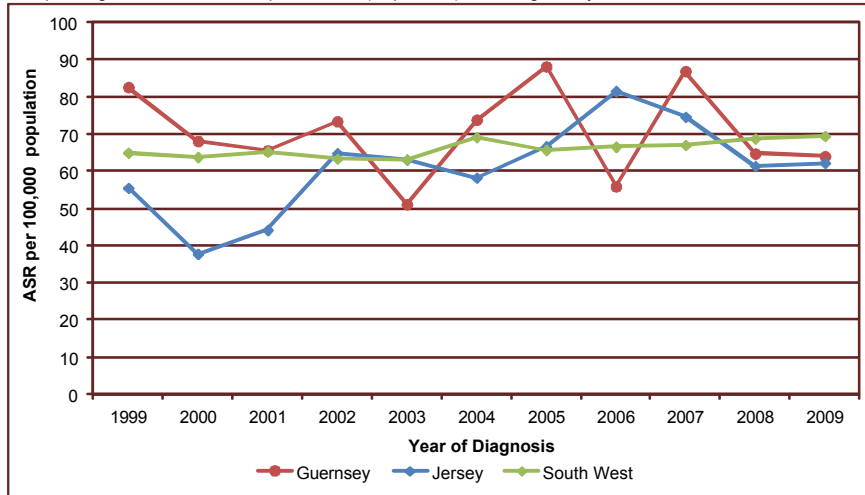


New cases, crude rates, European age-standardised rates (ASR) per 100,000 and confidence limits for prostate cancer (C61), adults aged 20+ years, Guernsey and Jersey, 1999-2009

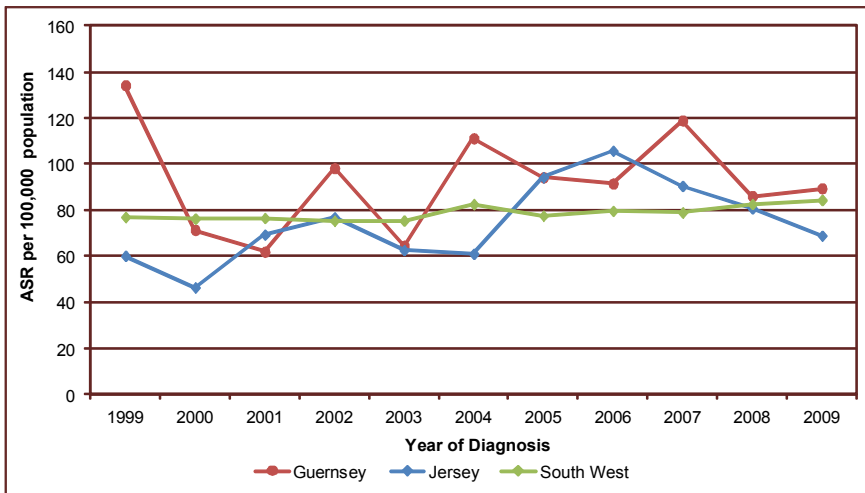
Area	Year	Males				
		Count	Crude Rate	ASR	ASR LCI	ASR UCI
Guernsey	1999	24	109.0	99.4	63.7	147.9
	2000	28	127.2	112.9	75.0	163.2
	2001	29	131.7	118.9	79.6	170.7
	2002	33	149.9	135.8	93.5	190.7
	2003	36	163.5	146.7	102.8	203.2
	2004	28	127.2	116.5	77.4	168.4
	2005	36	163.5	152.3	106.6	210.8
	2006	26	112.2	96.7	63.2	141.7
	2007	42	181.6	155.0	111.7	209.5
	2008	44	180.0	143.5	104.2	192.6
2009	49	197.8	164.5	121.7	217.5	
Jersey	1999	30	91.5	84.7	57.1	120.9
	2000	33	100.6	90.6	62.4	127.3
	2001	40	122.0	115.1	82.2	156.7
	2002	52	158.6	147.2	109.9	193.0
	2003	71	216.5	204.5	159.7	257.9
	2004	94	285.9	261.7	211.5	320.2
	2005	54	163.7	150.8	113.3	196.7
	2006	80	241.8	218.8	173.5	272.4
	2007	74	204.0	185.2	145.5	232.6
	2008	64	173.8	149.1	114.8	190.4
2009	53	142.7	133.9	100.3	175.2	
South West	1999	2,654	150.0	110.4	106.1	114.7
	2000	2,916	163.3	120.7	116.2	125.1
	2001	3,647	202.4	149.8	144.8	154.8
	2002	3,819	210.4	155.0	150.0	160.1
	2003	3,894	212.8	157.0	152.0	162.1
	2004	4,095	221.2	163.5	158.3	168.6
	2005	3,788	202.1	148.1	143.2	152.9
	2006	4,083	215.7	156.6	151.7	161.6
	2007	4,230	219.9	160.7	155.8	165.7
	2008	4,108	211.4	152.0	147.2	156.8
2009	4,422	226.3	161.9	157.0	166.8	

5.4 Colorectal cancer (C18-C21)

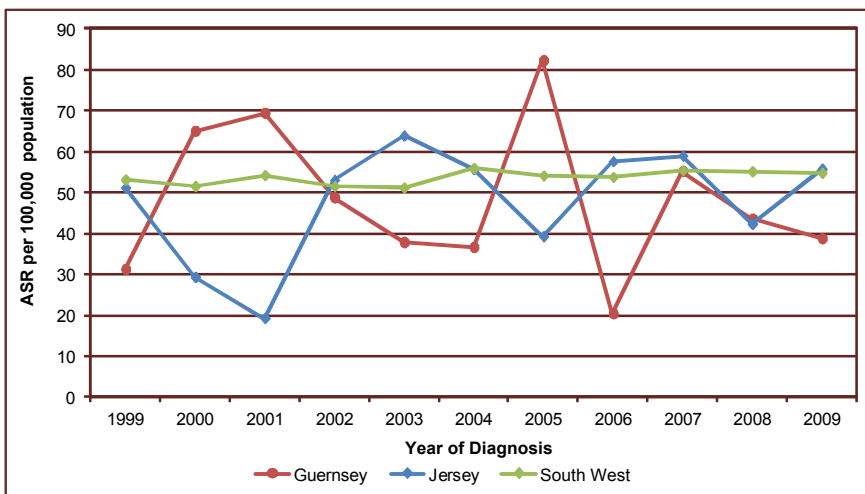
Incidence trend for colorectal cancer (C18-C21) in Guernsey, Jersey and South West England, European age-standardised rates per 100,000 (all persons), adults aged 20 years and above, 1999-2009



Incidence trends for colorectal cancer (C18-C21) in Guernsey, Jersey and South West England, European age-standardised rates per 100,000 (males only), adults aged 20 years and above, 1999-2009



Incidence trends for colorectal cancer (C18-C21) in Guernsey, Jersey and South West England, European age-standardised rates per 100,000 (females only), adults aged 20 years and above, 1999-2009

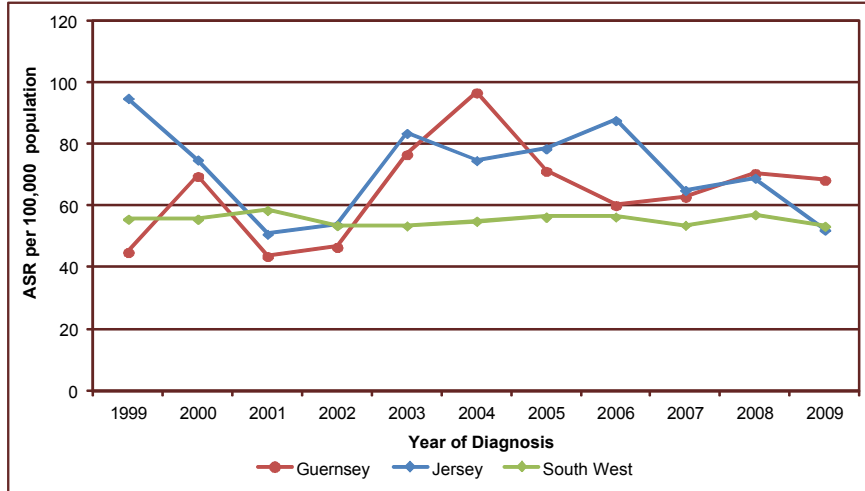


New cases, crude rates, European age-standardised rates (ASR) per 100,000 and confidence limits for colorectal cancer (C18-C21), adults aged 20+ years, Guernsey, Jersey and South West England, 1999-2009

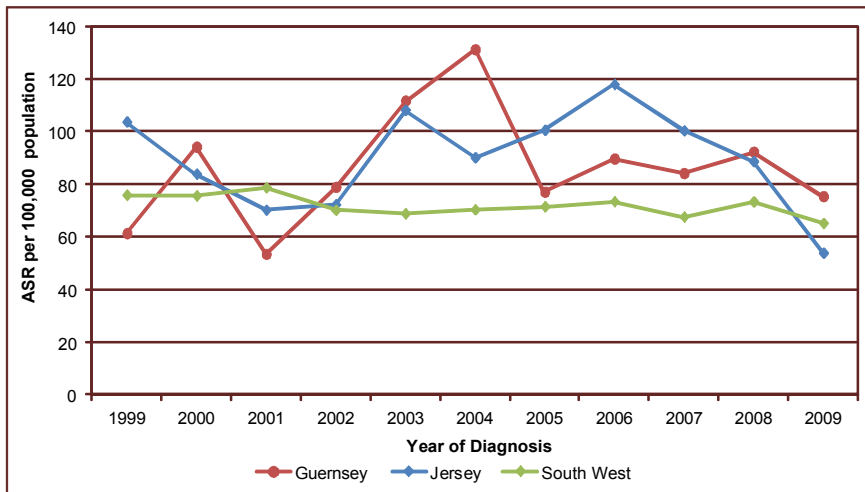
Area	Year	Males					Females					Persons				
		Count	Crude Rate	ASR	ASR LCI	ASR UCI	Count	Crude Rate	ASR	ASR LCI	ASR UCI	Count	Crude Rate	ASR	ASR LCI	ASR UCI
Guernsey	1999	35	159.0	134.1	93.4	186.5	11	45.9	31.2	15.6	55.8	46	100.1	82.7	60.5	110.3
	2000	17	77.2	71.3	41.5	114.1	22	91.9	65.0	40.7	98.4	39	84.9	68.1	48.4	93.1
	2001	15	68.1	61.8	34.6	102.0	22	91.9	69.4	43.5	105.1	37	80.5	65.6	46.2	90.4
	2002	24	109.0	98.2	62.9	146.1	17	71.0	48.7	28.4	78.0	41	89.2	73.5	52.7	99.7
	2003	15	68.1	64.5	36.1	106.3	11	45.9	37.8	18.9	67.6	26	56.6	51.1	33.4	74.9
	2004	27	122.7	111.1	73.2	161.7	16	66.8	36.6	20.9	59.4	43	93.6	73.9	53.5	99.5
	2005	23	104.5	94.2	59.7	141.3	25	104.4	82.2	53.2	121.4	48	104.4	88.2	65.0	117.0
	2006	23	99.3	91.5	58.0	137.3	8	32.7	20.4	8.8	40.1	31	65.1	55.9	38.0	79.4
	2007	32	138.4	118.8	81.3	167.7	16	65.0	55.1	31.5	89.5	48	100.6	87.0	64.1	115.3
	2008	25	102.3	86.0	55.7	127.0	16	62.0	43.5	24.9	70.6	41	81.6	64.8	46.5	87.9
2009	26	105.0	89.4	58.4	131.0	13	50.1	38.7	20.6	66.2	39	76.9	64.1	45.5	87.6	
Jersey	1999	21	64.0	60.0	37.1	91.7	22	62.1	51.1	32.0	77.3	43	63.0	55.5	40.2	74.8
	2000	16	48.8	46.3	26.5	75.2	14	39.5	29.3	16.0	49.1	30	44.0	37.8	25.5	53.9
	2001	23	70.1	69.2	43.9	103.9	11	31.0	19.2	9.6	34.4	34	49.8	44.2	30.6	61.8
	2002	27	82.3	76.8	50.6	111.8	23	64.9	53.0	33.6	79.5	50	73.3	64.9	48.2	85.5
	2003	22	67.1	62.5	39.1	94.6	26	73.4	63.8	41.7	93.5	48	70.4	63.1	46.5	83.7
	2004	22	66.9	60.9	38.2	92.2	26	73.2	55.7	36.4	81.6	48	70.2	58.3	43.0	77.3
	2005	37	112.1	94.1	66.3	129.7	22	61.9	39.2	24.6	59.3	59	86.1	66.6	50.7	86.0
	2006	39	117.9	105.6	75.1	144.4	29	81.4	57.5	38.5	82.6	68	99.0	81.6	63.4	103.4
	2007	35	96.5	90.3	62.9	125.6	27	71.3	58.9	38.8	85.7	62	83.6	74.6	57.2	95.7
	2008	33	89.6	80.7	55.5	113.3	21	54.6	42.2	26.1	64.6	54	71.8	61.4	46.2	80.2
2009	27	72.7	68.8	45.3	100.0	27	69.7	55.7	36.7	81.0	54	71.2	62.2	46.7	81.2	
South West	1999	1,725	97.5	76.9	73.2	80.6	1,635	84.4	53.0	50.2	55.9	3,360	90.7	65.0	62.6	67.3
	2000	1,743	97.6	76.2	72.5	79.9	1,607	82.3	51.4	48.7	54.2	3,350	89.6	63.8	61.5	66.1
	2001	1,795	99.6	76.4	72.8	80.1	1,712	87.1	54.1	51.3	57.0	3,507	93.1	65.3	63.0	67.6
	2002	1,792	98.7	75.2	71.6	78.8	1,641	82.8	51.4	48.7	54.2	3,433	90.4	63.3	61.1	65.6
	2003	1,837	100.4	75.3	71.8	78.9	1,646	82.7	51.1	48.3	53.8	3,483	91.2	63.2	60.9	65.4
	2004	2,029	109.6	82.5	78.8	86.2	1,793	89.6	55.9	53.0	58.7	3,822	99.2	69.2	66.8	71.5
	2005	1,948	103.9	77.4	73.9	81.0	1,783	88.2	54.0	51.3	56.8	3,731	95.8	65.7	63.5	68.0
	2006	2,029	107.2	79.5	75.9	83.1	1,767	86.6	53.7	50.9	56.5	3,796	96.5	66.6	64.3	68.8
	2007	2,051	106.6	78.9	75.3	82.4	1,833	89.0	55.3	52.5	58.1	3,884	97.5	67.1	64.8	69.3
	2008	2,172	111.8	82.5	78.9	86.1	1,826	88.1	55.1	52.3	57.8	3,998	99.5	68.8	66.5	71.1
2009	2,284	116.9	84.3	80.7	87.9	1,862	89.3	54.7	52.0	57.4	4,146	102.7	69.5	67.3	71.7	

5.5 Lung cancer (C33-C34)

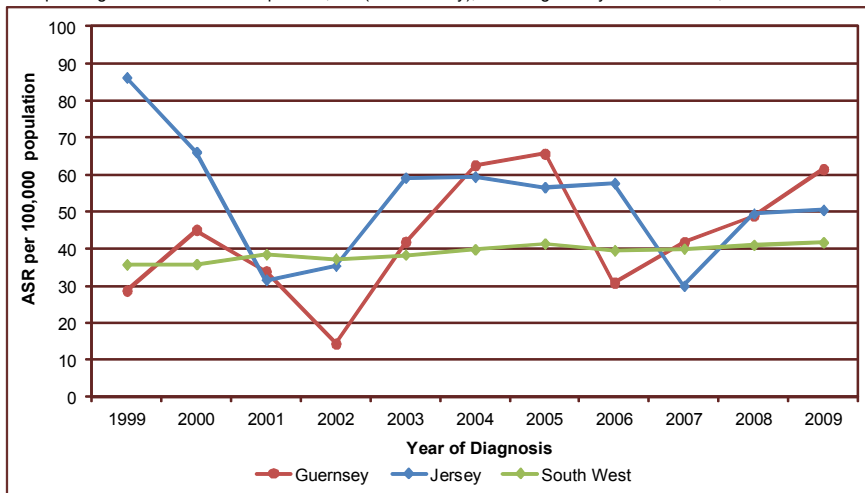
Incidence trend for lung cancer (C33-C34) in Guernsey, Jersey and South West England,
European age-standardised rates per 100,000 (all persons), adults aged 20 years and above, 1999-2009



Incidence trends for lung cancer (C33-C34) in Guernsey, Jersey and South West England,
European age-standardised rates per 100,000 (males only), adults aged 20 years and above, 1999-2009



Incidence trends for lung cancer (C33-C34) in Guernsey, Jersey and South West England,
European age-standardised rates per 100,000 (females only), adults aged 20 years and above, 1999-2009



New cases, crude rates, European age-standardised rates (ASR) per 100,000 and confidence limits for lung cancer (C33-C34), adults aged 20+ years, Guernsey, Jersey and South West England, 1999-2009

Area	Year	Males					Females					Persons				
		Count	Crude Rate	ASR	ASR LCI	ASR UCI	Count	Crude Rate	ASR	ASR LCI	ASR UCI	Count	Crude Rate	ASR	ASR LCI	ASR UCI
Guernsey	1999	15	68.1	61.2	34.3	101.0	8	33.4	28.6	12.3	56.4	23	50.0	44.9	28.5	67.4
	2000	24	109.0	94.1	60.3	140.0	14	58.5	45.0	24.6	75.5	38	82.7	69.5	49.2	95.5
	2001	13	59.1	53.4	28.4	91.3	11	45.9	33.8	16.9	60.5	24	52.2	43.6	27.9	64.9
	2002	19	86.3	78.8	47.5	123.1	5	20.9	14.3	4.6	33.3	24	52.2	46.5	29.8	69.3
	2003	26	118.1	111.6	72.9	163.5	12	50.1	41.8	21.6	73.0	38	82.7	76.7	54.3	105.2
	2004	33	149.9	131.0	90.2	184.0	23	96.0	62.4	39.6	93.7	56	121.8	96.7	73.1	125.6
	2005	19	86.3	77.0	46.3	120.2	20	83.5	65.6	40.0	101.2	39	84.9	71.3	50.7	97.4
	2006	23	99.3	89.6	56.8	134.4	11	44.9	30.7	15.3	55.0	34	71.3	60.1	41.7	84.0
	2007	22	95.1	84.1	52.7	127.3	13	52.8	41.7	22.2	71.3	35	73.3	62.9	43.8	87.5
	2008	28	114.6	92.2	61.2	133.2	17	65.9	48.9	28.5	78.3	45	89.6	70.5	51.4	94.4
2009	23	92.8	75.2	47.7	112.9	20	77.1	61.4	37.5	94.9	43	84.8	68.3	49.5	92.1	
Jersey	1999	36	109.8	103.6	72.6	143.4	36	101.6	86.2	60.4	119.3	72	105.5	94.9	74.2	119.5
	2000	28	85.4	83.8	55.7	121.2	26	73.4	66.0	43.1	96.7	54	79.2	74.9	56.3	97.8
	2001	24	73.2	70.2	45.0	104.4	14	39.5	31.5	17.2	52.9	38	55.7	50.8	36.0	69.8
	2002	25	76.2	72.2	46.8	106.6	14	39.5	35.3	19.3	59.3	39	57.2	53.8	38.2	73.5
	2003	39	118.9	108.1	76.9	147.7	22	62.1	59.1	37.0	89.5	61	89.4	83.6	63.9	107.4
	2004	32	97.3	90.0	61.6	127.1	24	67.6	59.3	38.0	88.3	56	81.9	74.7	56.4	97.0
	2005	38	115.2	100.4	71.1	137.9	25	70.3	56.5	36.6	83.5	63	91.9	78.5	60.3	100.4
	2006	45	136.0	117.9	86.0	157.7	26	73.0	57.6	37.6	84.4	71	103.3	87.7	68.5	110.7
	2007	40	110.3	100.3	71.6	136.5	15	39.6	29.9	16.7	49.3	55	74.2	65.1	49.0	84.7
	2008	35	95.1	88.6	61.7	123.2	23	59.8	49.4	31.3	74.1	58	77.1	69.0	52.4	89.1
2009	24	64.6	53.9	34.5	80.1	22	56.8	50.4	31.6	76.3	46	60.6	52.1	38.2	69.5	
South West	1999	1,755	99.2	75.8	72.2	79.5	1,027	53.0	35.6	33.3	38.0	2,782	75.1	55.7	53.6	57.9
	2000	1,759	98.5	75.6	71.9	79.2	1,040	53.2	35.8	33.4	38.1	2,799	74.9	55.7	53.5	57.8
	2001	1,849	102.6	78.7	75.0	82.3	1,141	58.0	38.4	36.0	40.8	2,990	79.4	58.5	56.3	60.7
	2002	1,705	93.9	70.1	66.7	73.5	1,118	56.4	37.2	34.8	39.6	2,823	74.4	53.7	51.6	55.7
	2003	1,695	92.6	68.8	65.4	72.1	1,189	59.8	38.3	35.9	40.7	2,884	75.5	53.5	51.5	55.6
	2004	1,748	94.4	70.3	66.9	73.7	1,212	60.6	39.8	37.3	42.2	2,960	76.9	55.0	52.9	57.1
	2005	1,830	97.6	71.5	68.1	74.8	1,272	62.9	41.3	38.9	43.8	3,102	79.6	56.4	54.3	58.5
	2006	1,907	100.7	73.4	70.0	76.8	1,246	61.1	39.5	37.1	41.9	3,153	80.2	56.4	54.3	58.5
	2007	1,801	93.6	67.5	64.3	70.7	1,275	61.9	39.9	37.5	42.3	3,076	77.2	53.7	51.7	55.7
	2008	1,988	102.3	73.3	70.0	76.6	1,348	65.0	40.9	38.6	43.3	3,336	83.1	57.1	55.1	59.2
2009	1,807	92.5	65.1	62.0	68.2	1,357	65.1	41.7	39.2	44.1	3,164	78.3	53.4	51.4	55.3	

6 Mortality

6.1 Counts and rates of known cancer deaths, 2007-2009

The age-specific rates of the South West were applied to each of the Channel Island populations in order to calculate expected counts of mortality and derive indirectly standardised mortality rates (SIR) for each recorded cancer type. Please note that the number of observed deaths may be incomplete due to cause of death not being recorded in all cases. Counts under 5 are marked as such, and other counts may be suppressed so that counts under 5 cannot be calculated.

6.2a: Observed and expected counts and indirectly standardised rates (SIR) of known cancer deaths in Guernsey, 2007-2009, using South West England as the reference population (significance testing is at 5% significance level)

Cause of Death	Males					Females					Persons				
	Observed	Expected	SIR	SIR LCI	SIR UCI	Observed	Expected	SIR	SIR LCI	SIR UCI	Observed	Expected	SIR	SIR LCI	SIR UCI
All malignancies (C00-C97 excl. C44)	240	238	101.0	88.2	113.8	200	217	92.1	79.3	104.8	440	455	96.7	87.7	105.8
Head & neck (C00-C14, C30-C32, C73)	5	6	82.4	26.8	192.4	5	4	140.0	45.4	326.6	10	10	103.8	49.8	190.8
Upper gastrointestinal (C15-C16, C25)	34	35	96.5	66.8	134.9	29	25	115.9	77.6	166.4	63	60	104.5	80.3	133.8
Colorectal (C18-C21)	29	26	113.6	76.1	163.2	18	23	79.8	47.3	126.2	47	48	97.8	71.8	130.0
Hepatobiliary (C22-C24)	<5	6				0	5	0.0	0.0	63.8	<5	11			
Lung (C33-C34)	61	50	122.1	93.4	156.8	35	35	100.4	70.0	139.7	96	85	113.2	91.7	138.2
Malignant melanoma (C43)	<5	4				<5	4				7	8	85.3	34.3	175.8
Other Skin (C44)	<5	1				<5	1				2	2	112.9	13.7	407.8
Female breast (C50)						26	37	70.1	45.8	102.8					
Uterus (C54-C55)						<5	6								
Ovary (C56)						15	14	110.4	61.8	182.1					
Other gynaecological (C51-C53, C57-C58)						5	5	108.0	35.1	252.0					
Prostate (C61)	38	33	113.8	80.5	156.1										
Kidney and ureter (C64-C66)	8	7	110.2	47.6	217.2	4	4	91.0	24.8	233.1	12	12	103.0	53.2	179.9
Bladder (C67)	10	10	101.1	48.5	185.9	8	5	162.2	70.0	319.5	18	15	121.4	71.9	191.9
Male urogenital excl. prostate (C60-C63 excl C61)	0	1	0.0	0.0	479.7										
Brain and CNS (C70-C72)	8	8	102.1	44.1	201.1	8	5	153.6	66.3	302.6	16	13	122.6	70.1	199.2
Lymphoma (C81-C85, C96)	<5	8				Suppressed	7				9	15	58.2	26.6	110.4
Leukaemia (C91-C95)	8	8	95.7	41.3	188.6	7	6	119.7	48.1	246.7	15	14	105.6	59.1	174.1
Other cancers (Other Cs)	29	34	84.1	56.3	120.8	30	34	88.6	59.8	126.5	59	68	86.3	65.7	111.4

6.2b: Observed and expected counts and indirectly standardised rates (SIR) of known cancer deaths in Jersey, 2007-2009, using South West England as the reference population

Cause of Death	Males					Females					Persons				
	Observed	Expected	SIR	SIR LCI	SIR UCI	Observed	Expected	SIR	SIR LCI	SIR UCI	Observed	Expected	SIR	SIR LCI	SIR UCI
All malignancies (C00-C97 excl. C44)	321	333	96.3	85.7	106.8	242	295	82.0	71.7	92.4	563	628	89.6	82.2	97.0
Head & neck (C00-C14, C30-C32, C73)	<i>Suppressed</i>	9				<5	5				25	14	184.8	119.6	272.8
Upper gastrointestinal (C15-C16, C25)	45	50	90.8	66.2	121.4	31	34	92.3	62.7	131.0	76	83	91.4	72.0	114.4
Colorectal (C18-C21)	27	36	75.4	49.7	109.6	25	30	82.9	53.6	122.3	52	66	78.8	58.8	103.3
Hepatobiliary (C22-C24)	13	9	145.7	77.6	249.2	7	6	110.7	44.5	228.1	20	15	131.2	80.1	202.6
Lung (C33-C34)	85	70	121.2	96.8	149.8	42	47	88.7	63.9	119.9	127	117	108.1	89.3	126.9
Malignant melanoma (C43)	<i>Suppressed</i>	6				<5	5				14	12	119.9	65.6	201.2
Other Skin (C44)	<i>Suppressed</i>	1				<5	1				8	2	334.4	144.4	658.9
Female breast (C50)						44	51	85.7	62.3	115.0					
Uterus (C54-C55)						10	8	123.2	59.1	226.5					
Ovary (C56)						17	19	90.6	52.8	145.1					
Other gynaecological (C51-C53, C57-C58)						<5	7								
Prostate (C61)	43	46	93.5	67.7	126.0										
Kidney and ureter (C64-C66)	<i>Suppressed</i>	10				<5	6				19	16	117.7	70.9	183.8
Bladder (C67)	<i>Suppressed</i>	14				<5	6				9	20	44.5	20.4	84.5
Male urogenital excl. prostate (C60-C63 excl. C61)	0	1	0.0	0.0	329.2										
Brain and CNS (C70-C72)	7	11	61.1	24.6	126.0	6	7	81.4	29.9	177.1	13	19	69.1	36.8	118.1
Lymphoma (C81-C85, C96)	12	12	103.0	53.2	180.0	8	10	83.0	35.8	163.5	20	21	94.0	57.4	145.1
Leukaemia (C91-C95)	12	12	102.0	52.7	178.1	7	8	89.2	35.9	183.8	19	20	96.9	58.3	151.3
Other cancers (Other Cs)	24	48	49.6	31.8	73.8	28	45	61.8	41.1	89.4	52	94	55.5	41.5	72.8

Note:

SIR – Indirectly Standardised Mortality Rate; LCI – 95% Lower Confidence Interval; UCI – 95% Upper Confidence Interval

6.2 Mortality – known non cancer deaths

This table shows the number of persons diagnosed with their first registered cancer who have died from a cause other than cancer.

Cancer diagnosis site/category (ICD-10 Codes)	Sex	Guernsey			Jersey		
		2007	2008	2009	2007	2008	2009
All malignancies (C00-C97 excl. C44)	M	26	21	26	29	47	46
	F	27	18	19	40	38	26
Head & neck (C00-C14, C30-C32, C73)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Upper gastrointestinal (C15-C16, C25)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	5	<5
Colorectal (C18-C21)	M	<5	<5	<5	<5	7	8
	F	<5	<5	5	9	5	6
Hepatobiliary (C22-C24)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Lung (C33-C34)	M	<5	<5	<5	<5	8	<5
	F	<5	<5	<5	6	6	<5
Malignant melanoma (C43)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Other Skin (C44)	M	10	18	13	22	26	25
	F	11	15	22	25	40	31
Female breast (C50)	M	<5	<5	<5	<5	<5	<5
	F	10	5	6	7	10	5
Uterus (C54-C55)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Ovary (C56)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Other gynaecological (C51-C53, C57-C58)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Prostate (C61)	M	<5	5	9	14	7	17
	F	<5	<5	<5	<5	<5	<5
Kidney and ureter (C64-C66)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Bladder (C67)	M	5	<5	<5	<5	<5	6
	F	<5	<5	<5	<5	<5	<5
Male urogenital excl. prostate (C60-C63 excl C61)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Brain and CNS (C70-C72)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Lymphoma (C81-C85, C96)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Leukaemia (C91-C95)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Other sites (Other Cs)	M	<5	<5	5	<5	6	<5
	F	<5	<5	<5	<5	<5	<5
Paediatric – 0-19 years (C00-C97)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5

6.3 Mortality – unknown causes of death

This table shows the number of persons diagnosed with their first registered cancer who have died but have a missing cause of death.

Cancer diagnosis site/category (ICD-10 Codes)	Sex	Guernsey			Jersey		
		2007	2008	2009	2007	2008	2009
All malignancies (C00-C97 excl. C44)	M	9	<5	<5	6	<5	<5
	F	5	<5	<5	<5	<5	<5
Head & neck (C00-C14, C30-C32, C73)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Upper gastrointestinal (C15-C16, C25)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Colorectal (C18-C21)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Hepatobiliary (C22-C24)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Lung (C33-C34)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Malignant melanoma (C43)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Other Skin (C44)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Female breast (C50)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Uterus (C54-C55)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Ovary (C56)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Other gynaecological (C51-C53, C57-C58)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Prostate (C61)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Kidney and ureter (C64-C66)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Bladder (C67)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Male urogenital excl. prostate (C60-C63 excl C61)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Brain and CNS (C70-C72)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Lymphoma (C81-C85, C96)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Leukaemia (C91-C95)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Other sites (Other Cs)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5
Paediatric – 0-19 years (C00-C97)	M	<5	<5	<5	<5	<5	<5
	F	<5	<5	<5	<5	<5	<5

7 Survival

7.1 Relative survival

One and five-year relative survival for the four most common cancer sites (female breast, prostate, colorectal, and lung) has been calculated for patients diagnosed between 2005 and 2009 and followed up as at the end of 2010.

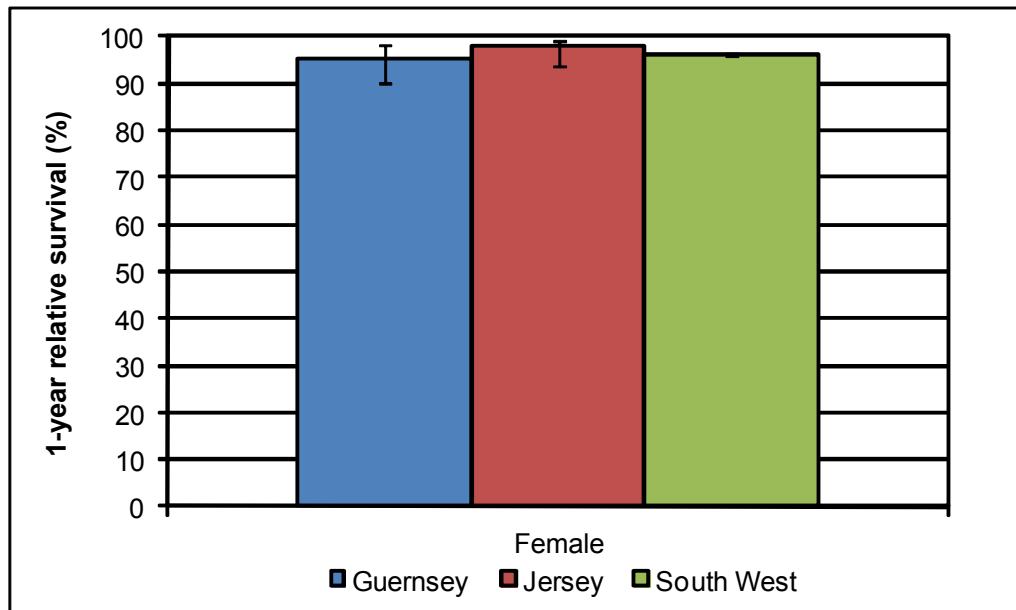
Relative survival looks at the ratio of the observed survival in this cohort with the survival that would be expected from a group of people from the general population, matched with similar characteristics such as age, sex and year of interest.

For five-year relative survival, it is not possible to follow up all of the cohort patients diagnosed between 2005 and 2009 for five years. It is desirable, however, to have the most up-to-date estimates of survival in order to reflect the most recent performance of services. Therefore, a specialist survival technique – period survival – was used.

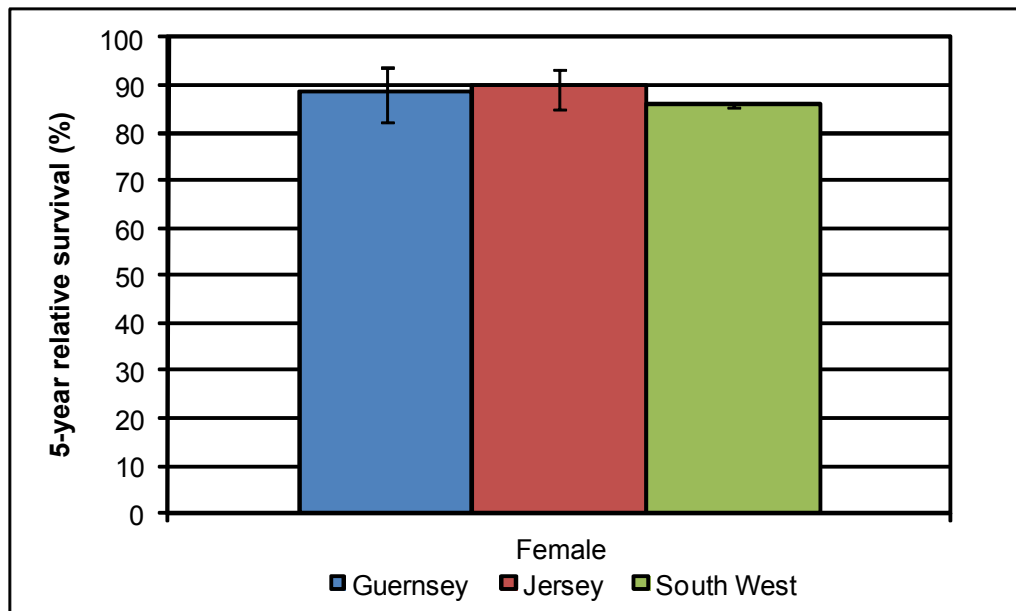
The period survival approach uses the most recent five-year cohort in which it is possible to follow up all the patients for five years (that is, patients diagnosed between 2001 and 2005) as well as patients that contribute to the survival from there onwards. Further details on this technique are at <http://survcan.iarc.fr/survivalchap2.php>.

7.2 Female breast cancer (C50) relative survival

1-year relative survival for female breast cancer (2005-2009 cohort)

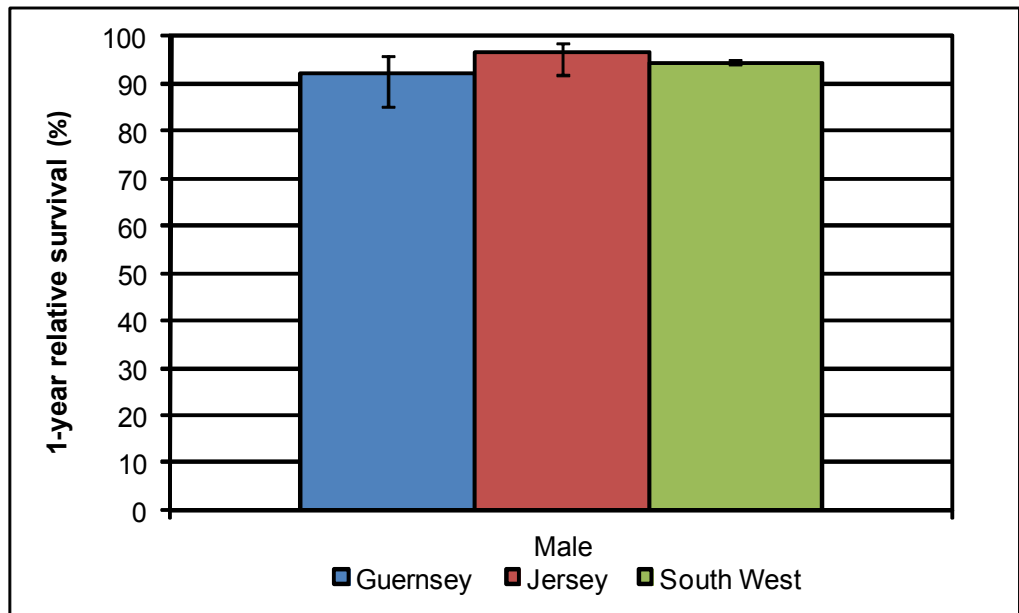


5-year relative survival for female breast cancer (2005-2009 cohort)

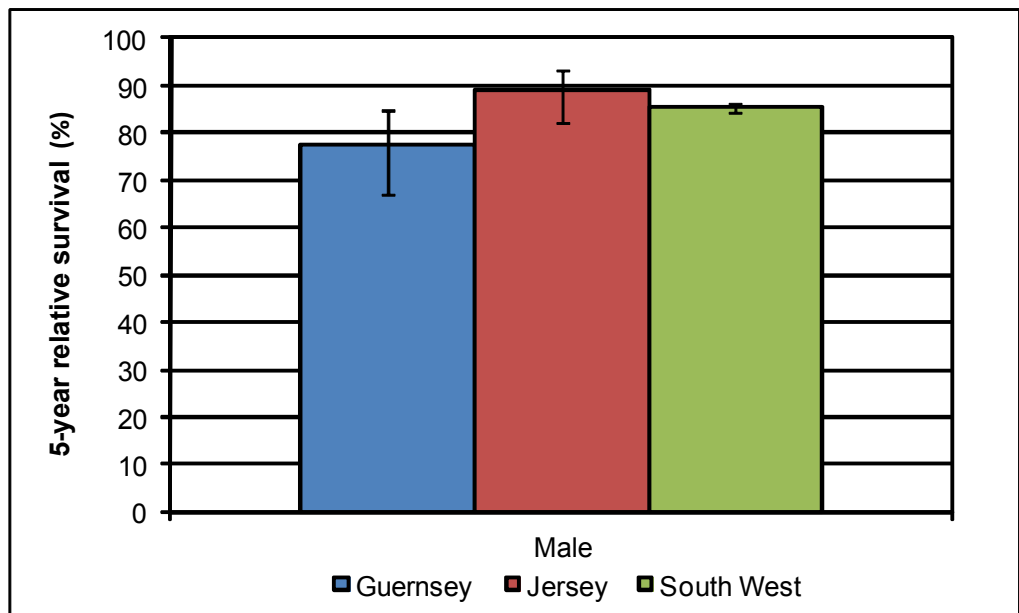


7.3 Prostate cancer (C61) relative survival

1-year relative survival for prostate cancer (2005-2009 cohort)

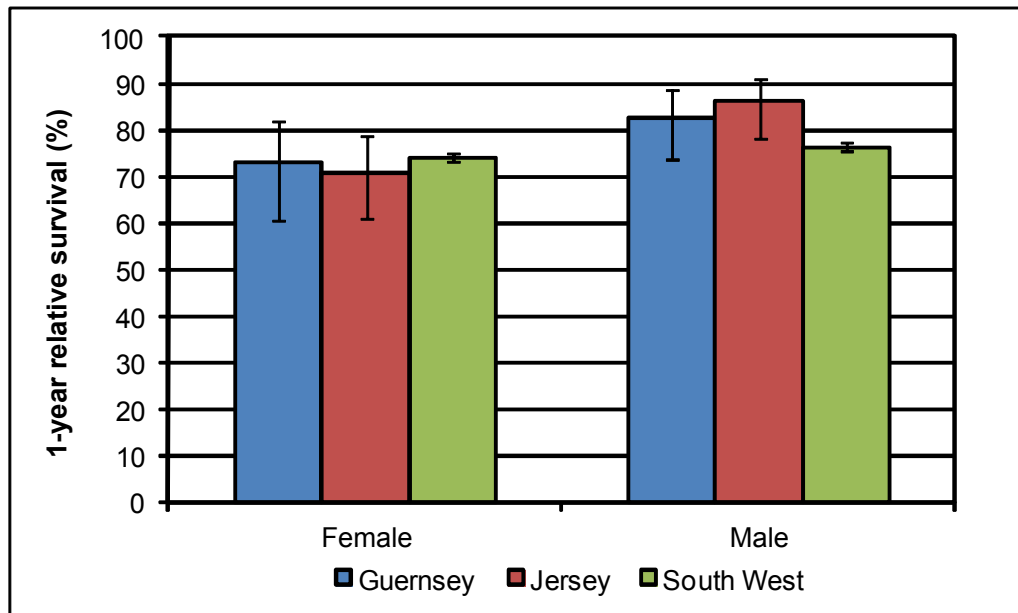


5-year relative survival for prostate cancer (2005-2009 cohort)

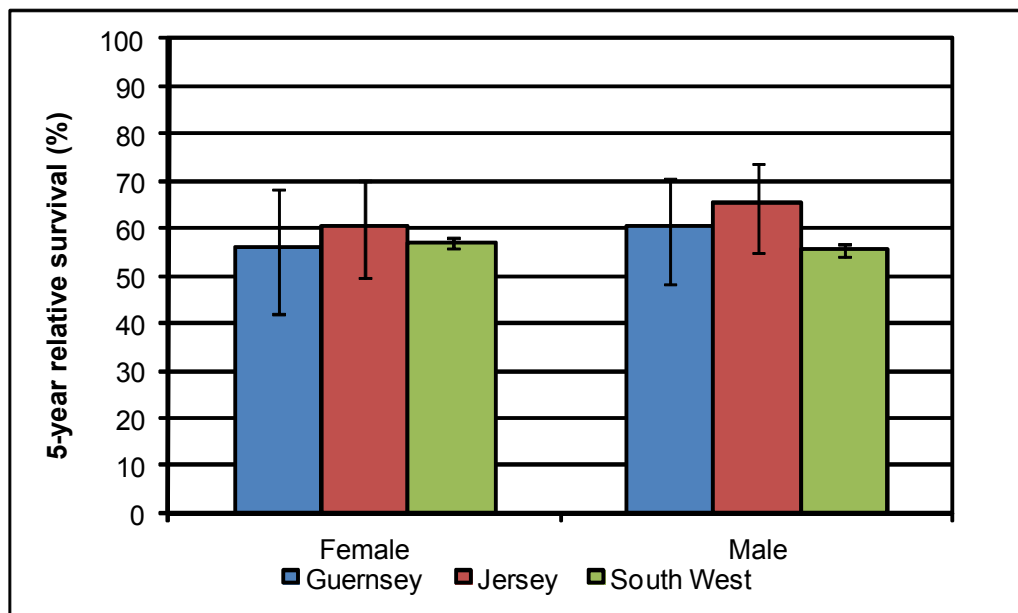


7.4 Colorectal cancer (C18-C21) relative survival

1-year relative survival for colorectal cancer (2005-2009 cohort)

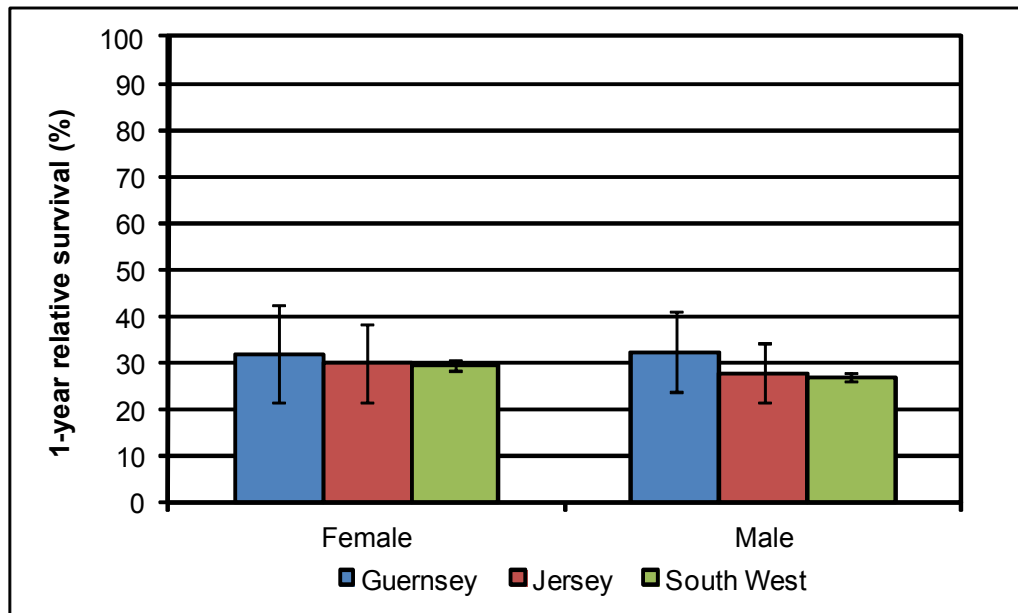


5-year relative survival for colorectal cancer (2005-2009 cohort)

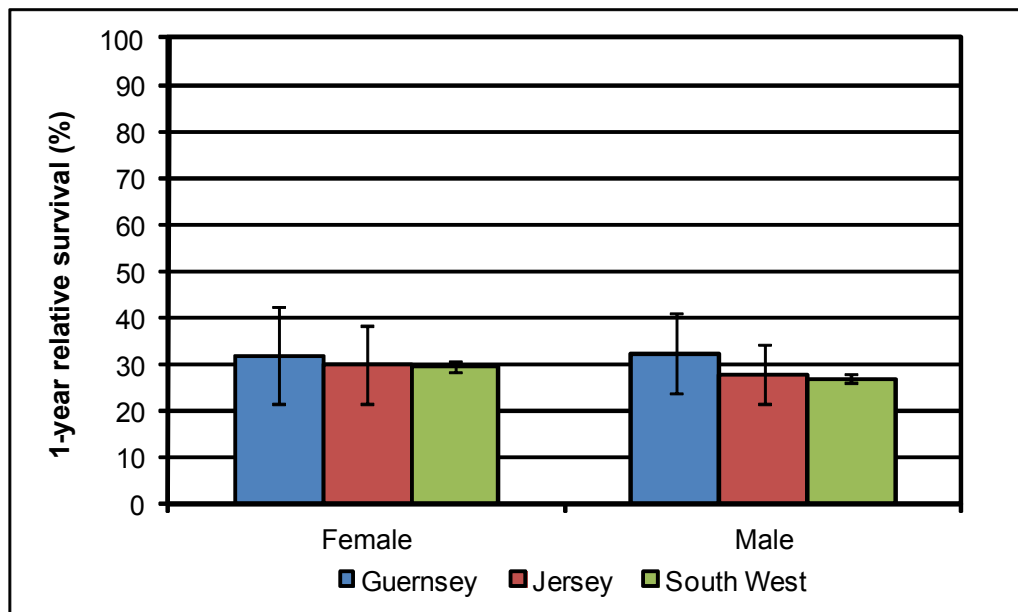


7.5 Lung cancer (C33 and C34) relative survival

1-year relative survival for lung cancer (2005-2009 cohort)



5-year relative survival for lung cancer (2005-2009 cohort)



8 Data quality and other information, 2008 and 2009

SWCIS measures registry performance and data quality by a standard set of agreed criteria developed by the UK Association of Cancer Registries (UKACR). This enables registries to compare performance and data quality.

A modified set of the criteria is presented below to enable the quality of the Channel Islands' Cancer Registry Dataset to be measured.

Check for 2008 Data

DATA ITEM	DATABASE CHECK (%)		
	Blank	Valid unknown	Valid known
Postcode*	0.0	4.2	95.8
Sex	0.0	0.0	100.0
Date of Birth	0.0	0.0	100.0
Anniversary (diagnosis) date	0.0	0.0	100.0
Site of primary growth***	0.0	1.1	98.9
Morphology**	0.0	15.3	84.7
Pathology verified (Y/N)****	18.3	0.0	81.7
Behaviour of growth	0.0	0.0	100.0
Basis of diagnosis	0.0	0.0	100.0

Check for 2009 Data

DATA ITEM	DATABASE CHECK (%)		
	Blank	Valid unknown	Valid known
Postcode*	0.0	3.5	96.5
Sex	0.0	0.0	100.0
Date of Birth	0.0	0.0	100.0
Anniversary (diagnosis) date	0.0	0.0	100.0
Site of primary growth***	0.0	1.0	99.0
Morphology**	0.0	9.3	90.7
Pathology verified	8.4	0.0	91.6
Behaviour of growth	0.0	0.0	100.0
Basis of diagnosis	0.0	0.0	100.0

* Some psuedo-postcodes used

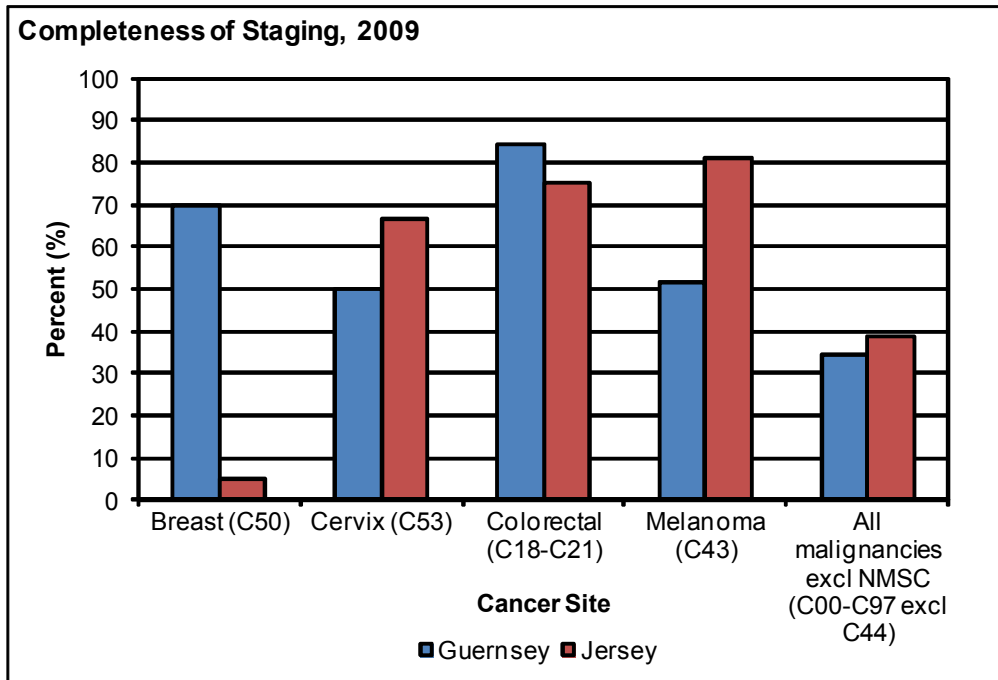
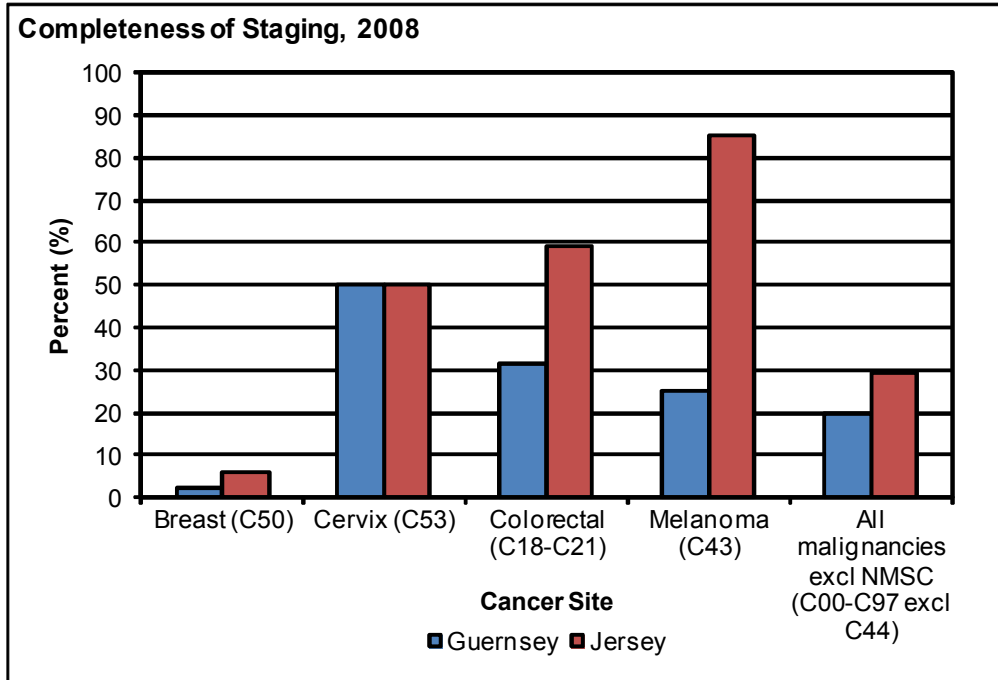
** ICD-10 morphology codes bewteen M8000 and M8010 without pathological verification have been classed as unknown

*** ICD-10 code C80 counted as unknown

 Improvement on previous year

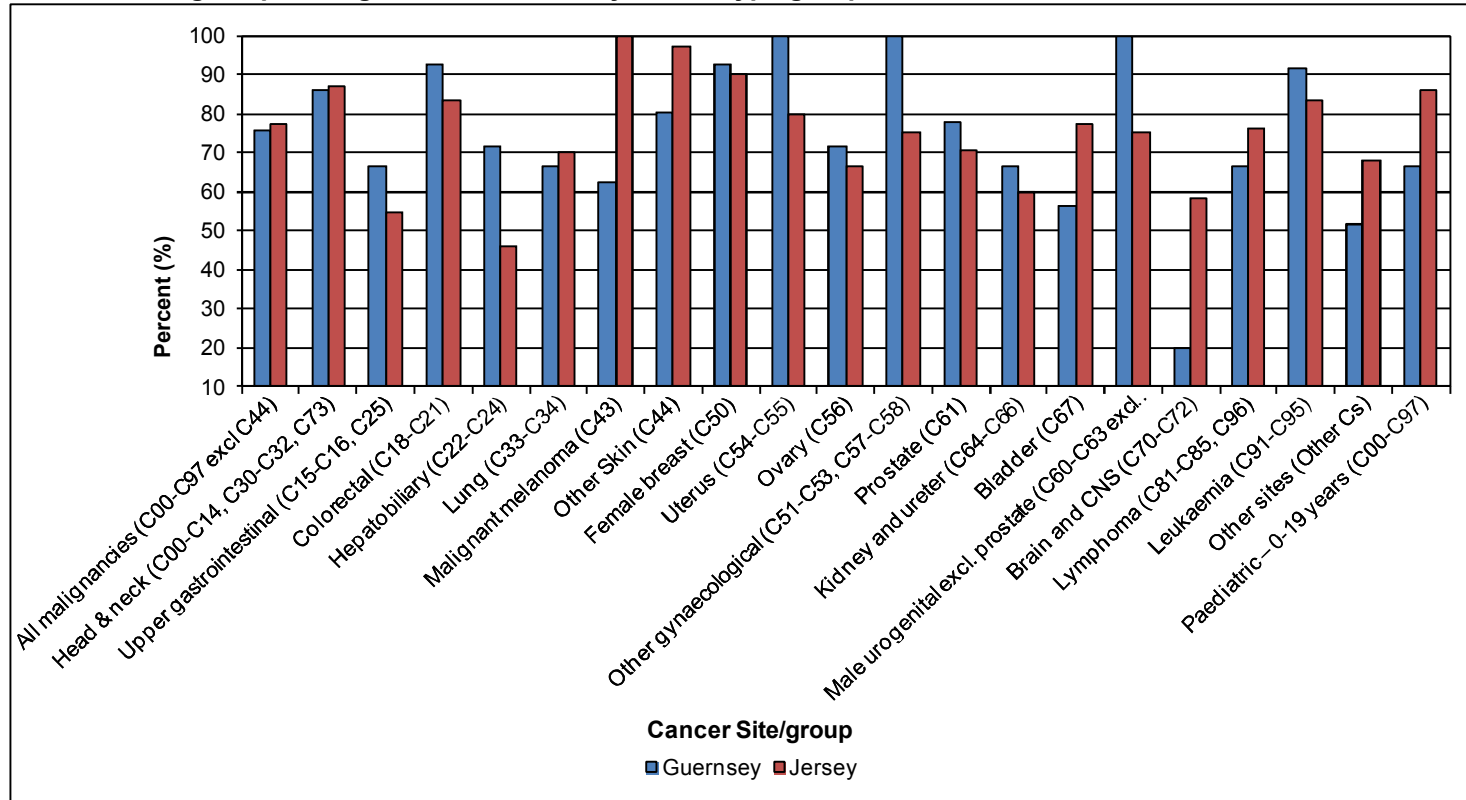
Some of the data quality items, particularly pathological confirmation and staging completeness, are explored further later in this chapter.

8.1 Completeness of staging, 2008 and 2009

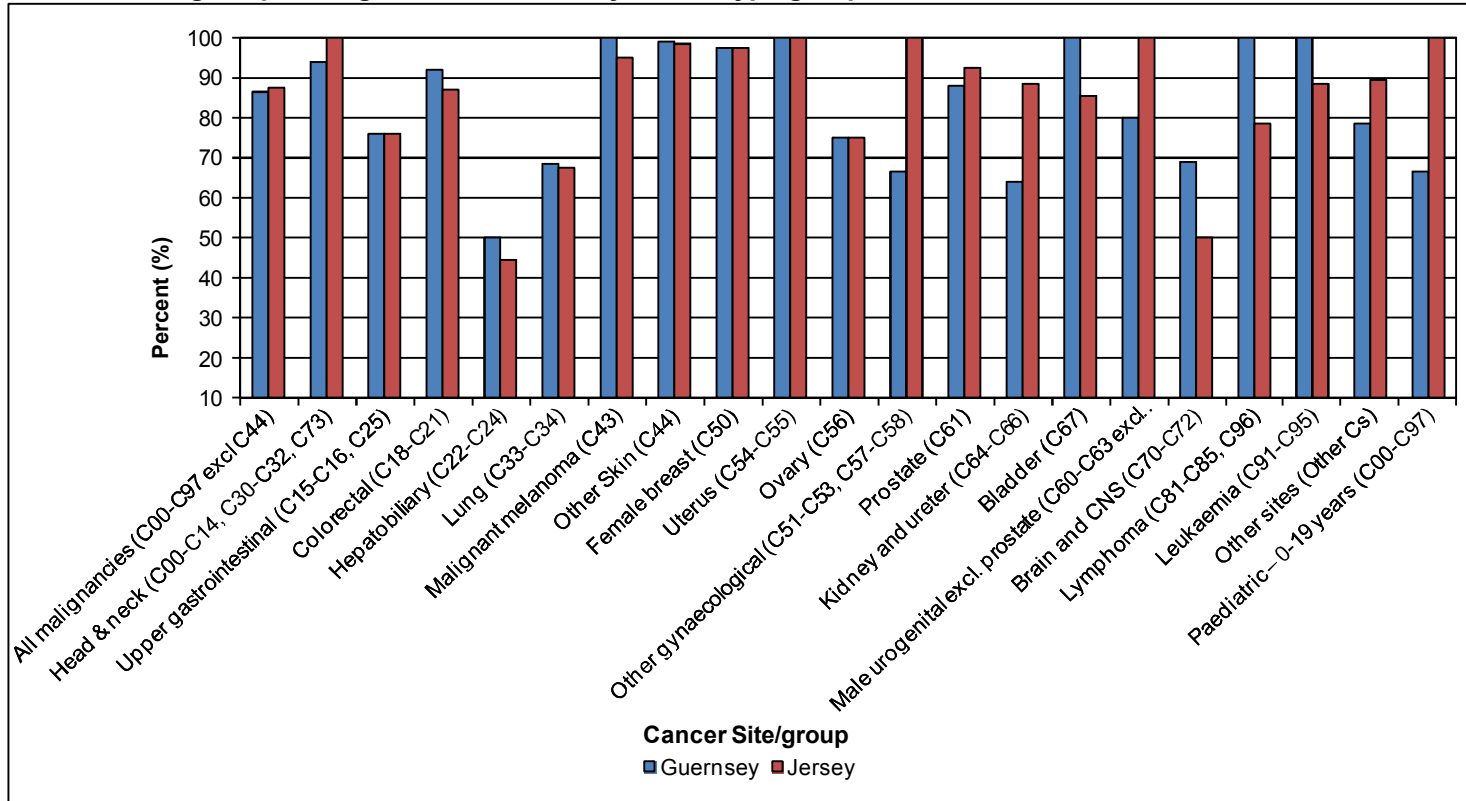


8.2 Percentage of pathological confirmation, 2008 and 2009

8.2a: Percentage of pathological confirmation by cancer type/group, 2008

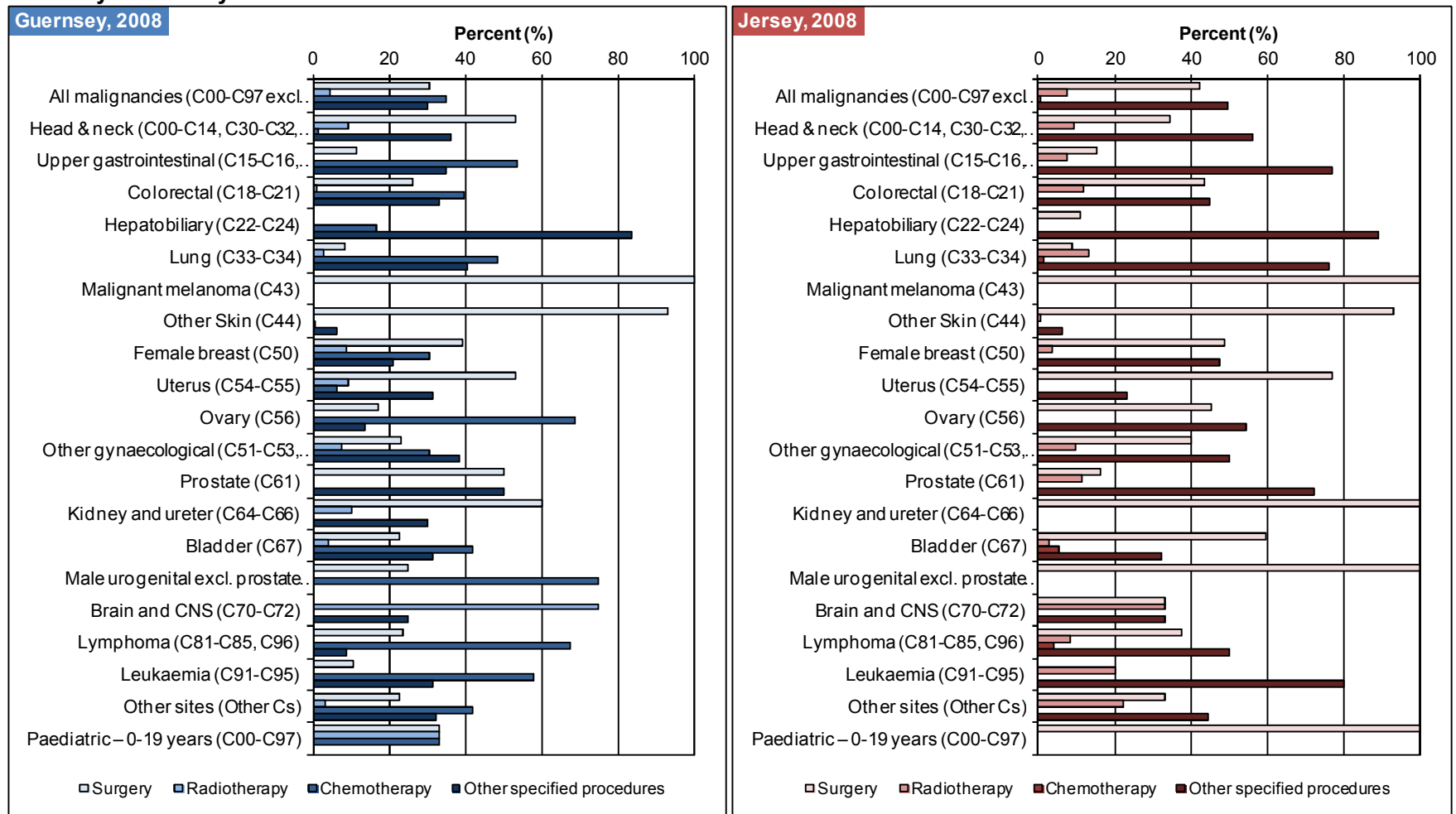


8.2b: Percentage of pathological confirmation by cancer type/group, 2009

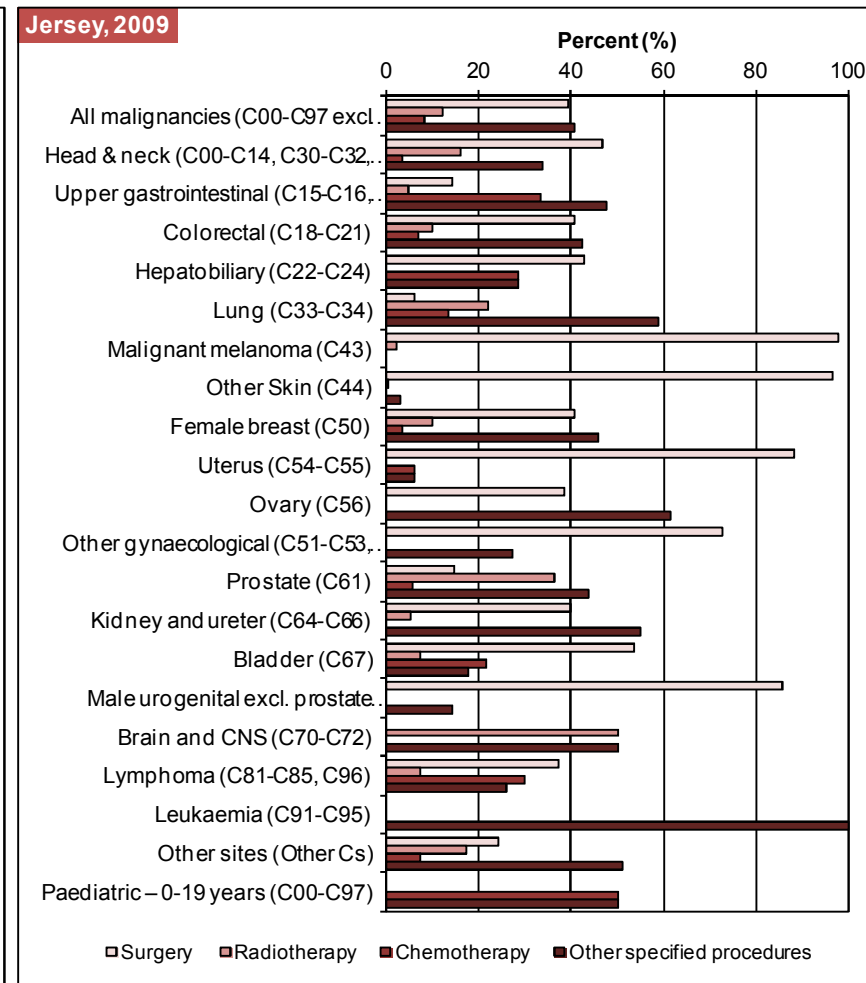
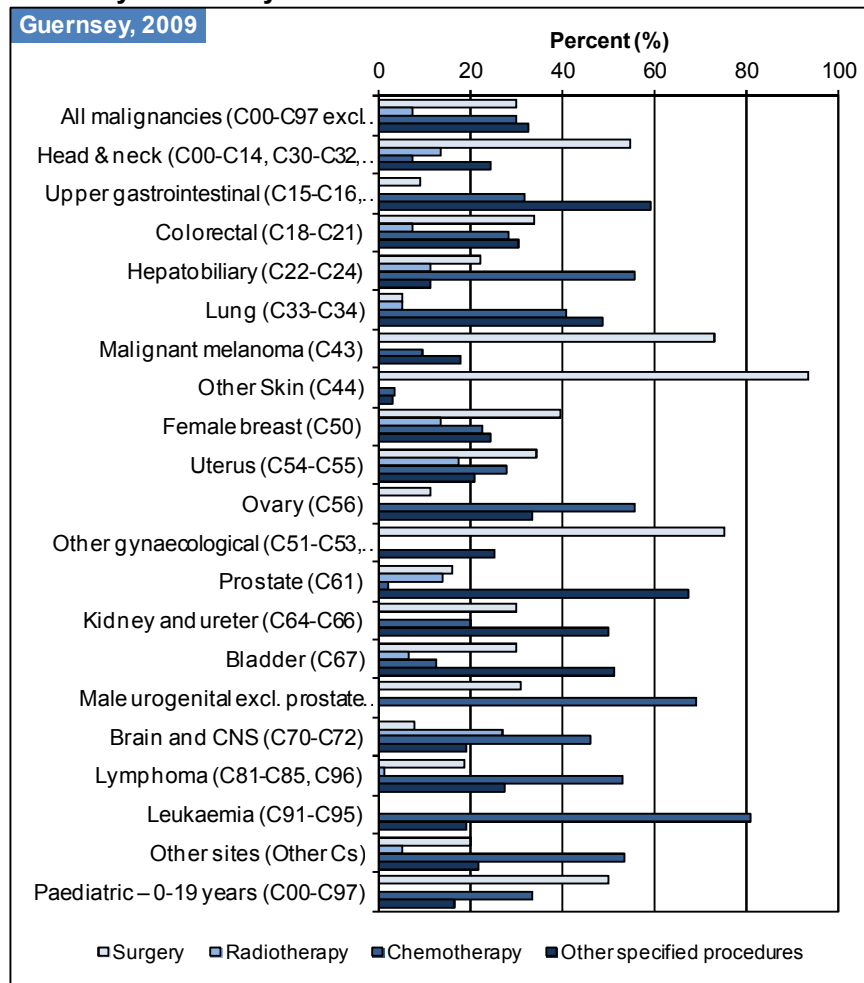


8.3 Treatments recorded for people registered in 2008 and 2009

8.3a: Percentage of treatments recorded within 6 months of diagnosis, for people registered in 2008, by each cancer type or group, Guernsey and Jersey



8.3b: Percentage of treatments recorded within 6 months of diagnosis, for people registered in 2009, by each cancer type or group, Guernsey and Jersey



8.4 Channel Islands Population, 2003– 2009

Population figures are estimates provided by the Channel Islands and updated following the 2011 census. For certain years where no estimates were available as at the time of producing this report, estimates for nearest available year(s) were used. This was particularly the case for the population figures used to calculate the incidence trends (see chapter 5) for 1999 to 2002 where the 2003 population figures were used. Below are the population figures used for subsequent years (that is, 2003 – 2009):

8.7a: Guernsey population figures used for all calculations and analysis of the report's underlying data

5-year Age band	2003		2004		2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0 - 4	1,630	1,546	1,630	1,546	1,630	1,546	1,522	1,384	1,586	1,427	1,657	1,469	1,637	1,485
05.-09	1,798	1,654	1,798	1,654	1,798	1,654	1,637	1,552	1,627	1,564	1,662	1,538	1,632	1,562
10.-14	1,839	1,833	1,839	1,833	1,839	1,833	1,769	1,673	1,720	1,671	1,745	1,712	1,749	1,669
15 - 19	1,858	1,686	1,858	1,686	1,858	1,686	1,934	1,905	1,962	1,890	2,036	1,939	2,093	1,963
20 - 24	1,785	1,893	1,785	1,893	1,785	1,893	2,042	1,941	2,011	1,964	2,098	2,048	2,177	2,056
25 - 29	1,976	2,020	1,976	2,020	1,976	2,020	1,951	1,942	1,946	1,885	2,118	1,978	2,193	2,030
30 -34	2,189	2,451	2,189	2,451	2,189	2,451	2,094	2,097	1,964	2,014	1,945	1,965	1,917	1,928
35 - 39	2,382	2,403	2,382	2,403	2,382	2,403	2,346	2,483	2,292	2,442	2,379	2,448	2,362	2,383
40 - 44	2,182	2,284	2,182	2,284	2,182	2,284	2,504	2,484	2,477	2,497	2,521	2,627	2,488	2,596
45 - 49	2,072	1,996	2,072	1,996	2,072	1,996	2,247	2,331	2,281	2,402	2,448	2,508	2,507	2,571
50 - 54	2,304	2,316	2,304	2,316	2,304	2,316	2,105	2,023	2,128	2,036	2,240	2,176	2,310	2,225
55 - 59	1,655	1,636	1,655	1,636	1,655	1,636	2,200	2,197	2,035	2,101	2,111	2,210	2,096	2,152
60 - 64	1,544	1,509	1,544	1,509	1,544	1,509	1,509	1,474	1,758	1,730	2,020	1,974	2,064	2,080
65 - 69	1,252	1,339	1,252	1,339	1,252	1,339	1,350	1,388	1,328	1,326	1,366	1,383	1,379	1,397
70 - 74	1,042	1,299	1,042	1,299	1,042	1,299	1,067	1,233	1,102	1,250	1,209	1,312	1,258	1,342
75 - 79	806	1,122	806	1,122	806	1,122	817	1,114	846	1,107	929	1,194	950	1,190
80 - 84	463	819	463	819	463	819	562	883	560	905	610	969	599	958
85+	361	863	361	863	361	863	378	891	399	942	444	1,008	473	1,029

8.7b: Jersey population figures used for all calculations and analysis of the report's underlying data

5-year Age band	2003		2004		2005		2006		2007		2008		2009	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
0-4	2,378	2,294	2,372	2,350	2,432	2,390	2,421	2,409	2,369	2,449	2,404	2,485	2,424	2,506
5-9	2,524	2,384	2,503	2,327	2,419	2,308	2,377	2,287	2,373	2,288	2,408	2,322	2,428	2,342
10-14	2,644	2,524	2,633	2,503	2,616	2,417	2,617	2,388	2,621	2,472	2,660	2,508	2,683	2,529
15-19	2,456	2,287	2,516	2,319	2,561	2,442	2,607	2,538	2,750	2,528	2,791	2,566	2,815	2,587
20-24	2,398	2,486	2,367	2,422	2,352	2,294	2,357	2,219	2,888	2,822	2,931	2,864	2,955	2,888
25-29	2,616	2,899	2,552	2,810	2,489	2,762	2,419	2,718	3,219	3,222	3,267	3,270	3,294	3,297
30-34	3,356	3,561	3,196	3,405	3,006	3,235	2,855	3,063	3,525	3,425	3,578	3,476	3,608	3,506
35-39	3,936	3,955	3,819	3,937	3,744	3,883	3,627	3,779	3,473	3,468	3,524	3,519	3,554	3,549
40-44	3,689	3,761	3,787	3,841	3,881	3,942	3,934	4,024	4,018	4,015	4,078	4,075	4,112	4,109
45-49	3,215	3,349	3,309	3,454	3,407	3,509	3,531	3,572	4,022	4,006	4,082	4,065	4,116	4,099
50-54	3,014	3,069	3,007	3,052	3,012	3,112	2,999	3,155	3,397	3,518	3,447	3,570	3,476	3,600
55-59	2,812	2,879	2,908	2,969	3,005	3,041	2,999	3,011	2,839	2,965	2,881	3,009	2,905	3,035
60-64	2,157	2,184	2,168	2,242	2,199	2,275	2,362	2,475	2,720	2,707	2,761	2,747	2,784	2,770
65-69	1,933	1,991	2,008	2,042	2,005	2,077	1,994	2,088	1,862	2,027	1,889	2,057	1,905	2,074
70-74	1,421	1,673	1,478	1,685	1,550	1,706	1,609	1,756	1,664	1,825	1,689	1,852	1,703	1,868
75-79	1,134	1,373	1,116	1,403	1,116	1,449	1,115	1,457	1,290	1,489	1,309	1,511	1,320	1,524
80-84	650	1,140	715	1,132	763	1,105	814	1,098	790	1,136	801	1,153	808	1,163
85+	457	1,110	451	1,135	464	1,175	474	1,197	574	1,246	583	1,264	588	1,275