

Chapter 3: Classification and coding

H.R. Shin

The *Cancer Incidence in Five Continents* series has followed the evolution of the International Classification of Diseases through four revisions and the creation of a coding scheme for oncology, the International Classification of Diseases for Oncology (ICD-O), now in its third edition (ICD-O-3). Volumes I and II (Doll *et al.*, 1966; 1970) presented the data on cancer incidence coded to the 7th Revision (ICD-7; WHO, 1957). Volume III (Waterhouse *et al.*, 1976) published data using both the 7th and the 8th (ICD-8; WHO, 1967) revisions. ICD-8, which came into effect in 1968, was used in Volume IV (Waterhouse *et al.*, 1982), presenting data for the years 1973-77. The 9th Revision of the ICD (ICD-9; WHO, 1977) was used for Volumes V (Muir *et al.*, 1987), VI (Parkin *et al.*, 1992), VII (Parkin *et al.*, 1997). The 10th revision of the ICD (ICD-10, WHO, 1992) was used for Volume VIII (Parkin *et al.*, 2002) and the present volume.

The data are published at the level of the 3-character ICD-10 codes in the individual registry tables and, as in previous

volumes, some grouping of ICD codes has been used. Malignant neoplasm of gum, floor of mouth and other and unspecified parts of mouth have been put together (ICD-10 C03-C06). Follicular (nodular) non-Hodgkin lymphoma, diffuse non-Hodgkin lymphoma, peripheral and cutaneous T-cell lymphomas and other and unspecified types of non-Hodgkin lymphoma have been combined as Non-Hodgkin lymphoma. Other categories have been combined to correspond to a single three-digit rubric in ICD-10; for example base of tongue + other and unspecified parts of tongue (ICD-10 C01-C02), and rectosigmoid junction and rectum (C19-C20). Myeloproliferative disorders (MPD) including morphology behavior M9950/3, 996_/3, 9975/3 and Myelodysplastic syndromes (MDS) including M998_/3 were separately presented according to the ICD-O-3. Table 3.1 presents the ICD-10 individual site codes, the full ICD-10 titles, the Volume IX groupings and short titles used in the tables of incidence.

Table 3.1 Classification used in incidence tables

Site	Full title	Groupings used in tables	Short title used in tables
C00	Malignant neoplasm of lip	-	Lip
C01	Malignant neoplasm of base of tongue	C01-C02 are grouped	Tongue
C02	Malignant neoplasm of other and unspecified parts of tongue		
C03	Malignant neoplasm of gum	C03-C06 are grouped	Mouth
C04	Malignant neoplasm of floor of mouth		
C05	Malignant neoplasm of palate		
C06	Malignant neoplasm of other and unspecified parts of mouth		
C07	Malignant neoplasm of parotid gland	C07-C08 are grouped	Salivary gland
C08	Malignant neoplasm of other and unspecified major salivary glands		
C09	Malignant neoplasm of tonsil	-	Tonsil
C10	Malignant neoplasm of oropharynx	-	Other oropharynx
C11	Malignant neoplasm of nasopharynx	-	Nasopharynx
C12	Malignant neoplasm of pyriform sinus	C12-C13 are grouped	Hypopharynx
C13	Malignant neoplasm of hypopharynx		
C14	Malignant neoplasm of other and ill-defined sites in the lip, oral cavity and pharynx	-	Pharynx unspecified
C15	Malignant neoplasm of oesophagus	-	Oesophagus
C16	Malignant neoplasm of stomach	-	Stomach
C17	Malignant neoplasm of small intestine	-	Small intestine
C18	Malignant neoplasm of colon	-	Colon
C19	Malignant neoplasm of rectosigmoid junction	C19-C20 are grouped	Rectum
C20	Malignant neoplasm of rectum		
C21	Malignant neoplasm of anus and anal canal	-	Anus
C22	Malignant neoplasm of liver and intrahepatic bile ducts	-	Liver
C23	Malignant neoplasm of gallbladder	C23-C24 are grouped	Gallbladder etc.
C24	Malignant neoplasm of other and unspecified parts of biliary tract		
C25	Malignant neoplasm of pancreas	-	Pancreas
C26	Malignant neoplasm of other and ill defined digestive organs	C26 is included in other and unspecified	

Table 3.1 Classification used in incidence tables

Site	Full title	Groupings used in tables	Short title used in tables
C30	Malignant neoplasm of nasal cavity and middle ear	C30-C31 are grouped	Nose, sinuses, etc.
C31	Malignant neoplasm of accessory sinuses		
C32	Malignant neoplasm of larynx	-	Larynx
C33	Malignant neoplasm of trachea	C33-C34 are grouped	Trachea, bronchus and lung
C34	Malignant neoplasm of bronchus and lung		
C37	Malignant neoplasm of thymus	C37-C38 are grouped	Other thoracic organs
C38	Malignant neoplasm of heart, mediastinum and pleura		
C39	Malignant neoplasm of other and ill-defined sites in the respiratory system and introthoracic organs	C39 is included in other and unspecified	
C40	Malignant neoplasm of bone and articular cartilage of limbs	C40-C41 are grouped	Bone
C41	Malignant neoplasm of bone and articular cartilage of other and unspecified sites		
C43	Malignant melanoma of skin	-	Melanoma of skin
C44	Other malignant neoplasms of skin	-	Other skin
C45	Mesothelioma	-	Mesothelioma
C46	Kaposi sarcoma	-	Kaposi sarcoma
C47	Malignant neoplasm of peripheral nerves and autonomic nervous system	C47+C49 are grouped	Connective and soft tissue
C48	Malignant neoplasm of retroperitoneum and peritoneum	C48 is included in other and unspecified	
C49	Malignant neoplasm of other connective and soft tissue	C49 is grouped with C47	
C50	Malignant neoplasm of breast	-	Breast
C51	Malignant neoplasm of vulva	-	Vulva
C52	Malignant neoplasm of vagina	-	Vagina
C53	Malignant neoplasm of cervix uteri	-	Cervix uteri
C54	Malignant neoplasm of corpus uteri	-	Corpus uteri
C55	Malignant neoplasm of uterus, part unspecified	-	Uterus unspecified
C56	Malignant neoplasm of ovary	-	Ovary
C57	Malignant neoplasm of other and unspecified female genital organs	-	Other female genital organs
C58	Malignant neoplasm of placenta	-	Placenta
C60	Malignant neoplasm of penis	-	Penis
C61	Malignant neoplasm of prostate	-	Prostate
C62	Malignant neoplasm of testis	-	Testis
C63	Malignant neoplasm of other and unspecified male genital organs	-	Other male genital organs
C64	Malignant neoplasm of kidney, except renal pelvis	-	Kidney
C65	Malignant neoplasm of renal pelvis	-	Renal pelvis
C66	Malignant neoplasm of ureter	-	Ureter
C67	Malignant neoplasm of bladder	-	Bladder
C68	Malignant neoplasm of other and unspecified urinary organs	-	Other urinary organs
C69	Malignant neoplasm of eye and adnexa	-	Eye
C70	Malignant neoplasm of meninges	C70-72 are grouped together	Brain, nervous system
C71	Malignant neoplasm of brain		
C72	Malignant neoplasm of spinal cord, cranial nerves and other parts of central nervous system		
C73	Malignant neoplasm of thyroid gland	-	Thyroid
C74	Malignant neoplasm of adrenal gland	-	Adrenal gland

Table 3.1 Classification used in incidence tables

Site	Full title	Groupings used in tables	Short title used in tables
C75	Malignant neoplasm of other endocrine glands and related structures	-	Other endocrine
C76	Malignant neoplasm of other and ill-defined sites	C76 is included in other and unspecified	
C80	Malignant neoplasm without specification of site	C80 is included in other and unspecified	
C81	Hodgkin disease	-	Hodgkin disease
C82	Follicular (nodular) non-Hodgkin lymphoma	C82-C85, C96 are grouped	Non-Hodgkin lymphoma
C83	Diffuse non-Hodgkin lymphoma		
C84	Peripheral and cutaneous T-cell lymphomas		
C85	Other and unspecified types of non-Hodgkin lymphoma		
C88	Malignant immunoproliferative diseases	-	Immunoproliferative diseases
C90	Multiple myeloma and malignant plasma cell neoplasms	-	Multiple myeloma
C91	Lymphoid leukaemia	-	Lymphoid leukaemia
C92	Myeloid leukaemia	C92-C94 are grouped (following ICD-O-3)	Myeloid leukaemia
C93	Monocytic leukaemia		
C94	Other leukaemias of specified cell type		
C95	Leukaemia of unspecified cell type	-	Leukaemia unspecified
C96	Other and unspecified malignant neoplasms of lymphoid, haematopoietic and related tissue	C96 is grouped with C82-C85	
O&U		Includes C26, C39, C48, C76 and C80	Other and unspecified
MPD	Myeloproliferative disorders	Includes ICD-O-3 M 9950/3, 996_/3, 9975/3	Myeloproliferative disorders
MDS	Myelodysplastic syndromes	Includes ICD-O-3 M 998_/3	Myelodysplastic syndromes
ALL			All sites
ALLb			All sites but C44

Classifications used in the cancer registry

Since the publication in 1976 of the first edition of the ICD-O (WHO, 1976) with clearly defined axes of anatomical location, histology and behaviour, international conformity to standard classification systems and coding rules has increased steadily. For data published in Volume IV (1973–77), 90% of registries recorded histological diagnosis; for coding just over one third of the registries used MOTNAC (ACS, 1951; 1968), one third had started to use ICD-O and 12% used SNOP (CAP, 1965). About 75% of contributors to Volume V used ICD-O to code histology, and this figure rose to over 90% for Volumes VI and VII. Four of the 186 contributors to the Volume VIII and only one of the 225 contributors to the present volume did not code their histological data to ICD-O.

Data submitted for the first four volumes of *Cancer Incidence in Five Continents* were sent in tabular format, by sex, site and five-year age group, on tape, diskette or, most frequently, the forms designed for the purpose. The only verification possible was to tally the columns and rows. For the fifth volume, registries were given the opportunity of sending data in the form of a case-listing coded

to ICD-9 topography only, or to ICD-9 or ICD-O topography plus ICD-O morphology. A very small minority of registries sent data coded to ICD-O. Contributors to Volume VI were encouraged to send data as a listing of cases, but 24% sent tabulated data. For Volumes VII, VIII and IX, data had to be sent as a case listing. In practice, it was still necessary to ask registries some questions, notably in relation to non-melanoma skin, breast, ovary and bladder cancer.

While the majority of the data submitted for this volume had been coded or converted to ICD-O, registries were asked what classification systems were used for coding data in the registry during the period. Of the 225 registries contributing data to this volume, 202 (89.8%) coded to ICD-O-3 or ICD-O-2 topography and morphology, 29 (12.9%) to ICD-9 or ICD-10 topography and ICD-O morphology, and 4 (1.8%) did not register histology and coded topography to ICD-9 or ICD-10. Seven registries used ICD-O-1 topography and morphology, and one registry coded morphology to MOTNAC with ICD-O-7 topography (Table 3.2).

Table 3.2 Coding practices

Continents (No. of Registries)	ICD-O-3 (T+M)	ICD-O-2 (T+M)	ICD-O-1 (T+M)	ICD-9 + ICD-O-1 (M)	ICD-9 + ICD-O-2 (M)	ICD-10 + ICD-O-2 (M)	ICD-10 + ICD-O-3 (M)	ICD-9	ICD-10	ICD-7+ MOTNAC	Total
Africa (5)	4	1	0	0	0	0	0	0	0	0	5
South and Central America (11)	7	4	0	0	0	0	0	0	0	0	11
North America (54)	53	1	0	0	0	0	0	0	0	0	54
Asia (44)	31	5	2	1	1	6	0	0	0	0	56*
Europe (100)	75	12	5	3	1	12	3	2	2	1	116**
Oceania (11)	8	1	0	1	0	1	0	0	0	0	11
Total (225)	178	24	7	5	2	19	3	2	2	1	253

*Total greater than 44 (registries using two systems).

**Total greater than 100 (registries using two or three systems).

Table 3.3 presents the summary table of coding practices for the selected sites, carcinoma of bladder, benign tumors of brain and nervous system, borderline tumours of brain, endometrium of uterus, ovary and carcinoma of breast with ductal carcinoma in situ, intraductal and lobular carcinoma in situ. Borderline ovary cancer is no longer

behavior /3 according to the ICD-O-3. However, some registries are still coding it as /3. For the comparison of cancer incidence from these selected sites, the coding practices of each registry should be reviewed. Table 3.4a and Table 3.4b present the coding practices recorded in the questionnaires by registry

Table 3.3 Summary table of coding practices for the selected sites

Continents (No. of Registries)	Carcinoma of Bladder		Benign Tumours of Brain and Nervous system	Borderline Tumours			Carcinoma of Breast		
	<i>In situ</i>	NOS		Brain	Endometrium	Ovary	Ductal, <i>in situ</i>	Intraductal NOS	Lobular, <i>in situ</i>
Africa (5)	3 (0)	4 (4)	1 (0)	2 (0)	2 (0)	2 (0)	3 (0)	4 (1)	3 (0)
South and Central America (11)	8 (1)	11 (9)	5 (3)	4 (2)	2 (0)	5 (1)	11 (1)	11 (4)	11(2)
North America (54)	51 (6)	49 (31)	43 (1)	38 (0)	10 (0)	28 (3)	50 (0)	50 (4)	50 (0)
Asia (44)	25 (2)	36 (33)	19 (3)	23 (5)	21 (6)	23 (7)	27 (1)	30 (9)	28 (2)
Europe (100)	86 (8)	89 (55)	70 (3)	79 (4)	58 (3)	77 (14)	83 (3)	82 (10)	82 (2)
Oceania (11)	8 (0)	8 (7)	4 (0)	4 (0)	5 (0)	6 (1)	10 (0)	10 (0)	9 (0)
Total (225)	181 (17)	197 (139)	142 (10)	150 (11)	98 (9)	141 (26)	184 (5)	187 (28)	183 (6)
% of coded	80.4	87.6	63.1	66.7	43.6	62.7	81.8	83.1	81.3
(% of behavior/3)	(7.6)	(61.8)	(4.4)	(4.9)	(4)	(11.6)	(2.2)	(12.4)	(2.7)

() Recoded to behaviour /3

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Table 3.4a Coding practices: Recorded

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. behaviour of ovary	Borderline tumour, unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma NOS of breast	Lobular carcinoma <i>in situ</i> of breast
Africa									
Algeria, Setif	N	N	N	N	N	N	N	N	N
Egypt, Gharbiah	Y	Y	N	Y	Y	Y	Y	Y	Y
Tunisia, Central Region	Y	Y	Y	Y	Y	Y	Y	Y	Y
Uganda, Kyadondo County	N	Y	N	N	N	N	N	Y	N
Zimbabwe, Harare	Y	Y	N	N	N	N	Y	Y	Y
South and Central America									
Argentina, Bahia Blanca	Y	Y	Y	Y	Y	Y	Y	Y	Y
Brazil, Brasilia	Y	Y	N	N	N	N	Y	Y	Y
Brazil, Cuiaba	Y	Y	N	N	N	N	Y	Y	Y
Brazil, Goiânia	Y	Y	Y	Y	N	Y	Y	Y	Y
Brazil, São Paulo	Y	Y	N	N	N	N	Y	Y	Y
Chile, Valdivia	N	Y	Y	N	N	Y	Y	Y	Y
Colombia, Cali	N	Y	Y	N	N	N	Y	Y	Y
Costa Rica	Y	Y	N	N	N	N	Y	Y	Y
Ecuador, Quito	Y	Y	N	Y	N	N	Y	Y	Y
France, Martinique	Y	Y	Y	Y	Y	Y	Y	Y	Y
Peru, Trujillo	N	Y	N	Y	N	N	Y	Y	Y
North America									
Canada	Y	Y	Y	Y	Y	Y	Y	Y	Y
Canada, Alberta	Y	N	Y	NS	NS	Y	Y	Y	Y
Canada, British Columbia	Y	Y	Y	Y	Y	Y	Y	Y	Y
Canada, Manitoba	Y	Y	Y	Y	Y	Y	Y	Y	Y
Canada, New Brunswick	Y	Y	Y	Y	Y	Y	Y	Y	Y
Canada, Newfoundland and Labrador	Y	Y	Y	NS	NS	Y	Y	Y	Y
Canada, Northwest Territories	Y	Y	Y	Y	Y	Y	Y	Y	Y
Canada, Nova Scotia	Y	Y	Y	Y	Y	Y	Y	Y	Y
Canada, Ontario	N	Y	N	N	N	N	N	N	N
Canada, Prince Edward Island	Y	Y	Y	Y	N	Y	Y	Y	Y

Table 3.4a Coding practices: Recorded

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. and unk. behaviour of ovary	Borderline tumour, unk. and unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma NOS of breast	Lobular carcinoma <i>in situ</i> of breast
Canada, Saskatchewan	Y	Y	Y	Y	Y	Y	Y	Y	Y
USA, Alabama	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Alaska	Y	Y	Y	N	N	N	Y	Y	Y
USA, Arizona	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, California	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, California, Greater San Francisco Bay Area	NS	NS	NS	NS	NS	NS	NS	NS	NS
USA, California, Los Angeles County	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, Colorado	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Connecticut	Y	Y	Y	N	N	Y	Y	Y	Y
USA, District of Columbia	Y	Y	Y	Y	Y	N	Y	Y	Y
USA, Florida	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Georgia	Y	Y	Y	Y	Y	Y	Y	Y	Y
USA, Georgia, Atlanta	Y	N	N	Y	N	N	Y	Y	Y
USA, Idaho	Y	Y	Y	Y	NS	Y	Y	Y	Y
USA, Illinois	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Indiana	Y	Y	N	N	N	N	Y	Y	Y
USA, Iowa	Y	Y	N	Y	N	N	Y	Y	Y
USA, Kentucky	Y	Y	N	Y	N	Y	Y	Y	Y
USA, Louisiana	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Louisiana, New Orleans	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Maine	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, Massachusetts	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Michigan	Y	Y	Y	N	N	N	Y	Y	Y
USA, Michigan, Detroit	Y	Y	N	Y	N	N	Y	Y	Y
USA, Missouri	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Montana	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, New Jersey	Y	Y	Y	Y	N	N	Y	Y	Y
USA, New Mexico	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, New York State	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, NPCR	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, Ohio	Y	Y	Y	N	N	Y	Y	Y	Y

Table 3.4a Coding practices: Recorded

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. behaviour of ovary	Borderline tumour, unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma NOS of breast	Lobular carcinoma <i>in situ</i> of breast
USA, Oklahoma	Y	N	N	N	N	N	NS	NS	NS
USA, Oregon	Y	Y	N	N	N	N	Y	Y	Y
USA, Pennsylvania	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Rhode Island	Y	Y	Y	N	N	Y	Y	Y	Y
USA, SEER	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, South Carolina	Y	Y	N	Y	Y	N	Y	Y	Y
USA, Texas	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, Utah	Y	Y	Y	N	N	N	Y	Y	Y
USA, Vermont	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Washington	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Washington, Seattle	Y	Y	Y	Y	N	Y	Y	Y	Y
USA, West Virginia	Y	Y	Y	N	N	Y	Y	Y	Y
USA, Wisconsin	Y	Y	Y	Y	N	N	Y	Y	Y
Asia									
Bahrain	Y	Y	Y	Y	Y	Y	Y	Y	Y
China, Guangzhou	N	Y	Y	N	N	Y	Y	Y	Y
China, Hong Kong	N	Y	N	Y	Y	N	N	N	N
China, Jiashan	Y	Y	Y	N	N	Y	Y	Y	Y
China, Nangang District, Harbin City	N	Y	Y	N	N	Y	Y	Y	Y
China, Shanghai	N	N	Y	N	N	Y	N	N	N
China, Zhongshan	Y	Y	Y	Y	Y	Y	Y	Y	Y
Cyprus	Y	Y	N	N	N	N	Y	Y	Y
India, Chennai (Madras)	N	Y	N	Y	N	N	N	N	N
India, Karunagappally	N	Y	N	N	N	N	N	N	N
India, Mumbai (Bombay)	N	Y	N	N	N	N	N	N	N
India, Nagpur	N	Y	N	N	N	N	N	N	N
India, New Delhi	N	Y	N	Y	Y	Y	Y	Y	Y
India, Poona	N	Y	N	N	N	N	N	N	N
India, Trivandrum	N	Y	N	N	N	N	N	N	N
Israel	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 3.4a Coding practices: Recorded

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. behaviour of ovary	Borderline tumour, unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma NOS of breast	Lobular carcinoma <i>in situ</i> of breast
Japan, Aichi Prefecture	Y	Y	N	Y	Y	N	Y	Y	Y
Japan, Fukui Prefecture	Y	Y	N	N	N	N	Y	Y	Y
Japan, Hiroshima	Y	Y	Y	Y	Y	NS	Y	Y	Y
Japan, Miyagi Prefecture	Y	Y	Y	Y	Y	Y	Y	Y	Y
Japan, Nagasaki Prefecture	Y	Y	Y	Y	Y	Y	Y	Y	Y
Japan, Osaka Prefecture	Y	Y	Y	N	N	Y	Y	Y	Y
Japan, Yamagata Prefecture	Y	Y	N	N	N	N	Y	Y	Y
Korea	Y	N	N	N	N	N	Y	Y	Y
Korea, Busan	Y	N	N	N	N	N	Y	Y	Y
Korea, Daegu	Y	Y	Y	Y	Y	Y	Y	Y	Y
Korea, Daejeon	Y	N	N	N	N	N	Y	Y	Y
Korea, Gwangju	N	Y	N	Y	N	N	N	N	N
Korea, Incheon	N	N	N	N	N	N	N	N	N
Korea, Jeju	Y	Y	Y	Y	Y	Y	Y	Y	Y
Korea, Seoul	Y	Y	Y	N	N	N	Y	Y	Y
Korea, Ulsan	N	Y	N	N	N	N	N	Y	N
Kuwait	Y	Y	N	Y	Y	Y	Y	Y	Y
Malaysia, Penang	Y	Y	Y	Y	Y	Y	Y	Y	Y
Malaysia, Sarawak	N	N	N	N	N	N	N	N	N
Oman	Y	Y	Y	Y	Y	Y	Y	Y	Y
Pakistan, South Karachi	N	N	N	Y	Y	Y	N	N	N
Philippines, Manila	Y	Y	N	Y	Y	Y	Y	Y	Y
Singapore	Y	Y	N	Y	Y	Y	Y	Y	Y
Thailand, Chiang Mai	Y	Y	N	Y	Y	Y	Y	Y	Y
Thailand, Lampang	Y	Y	Y	Y	Y	Y	Y	Y	Y
Thailand, Songkhla	N	Y	Y	Y	Y	Y	Y	Y	Y
Turkey, Antalya	N	Y	Y	Y	Y	Y	N	N	N
Turkey, Izmir	Y	Y	Y	Y	Y	Y	Y	Y	Y
Europe									
Austria	Y	Y	N	Y	N	N	Y	Y	Y

Table 3.4a Coding practices: Recorded

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. behaviour of ovary	Borderline tumour, unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma NOS of breast	Lobular carcinoma <i>in situ</i> of breast
Austria, Tyrol	Y	Y	N	Y	Y	NS	Y	Y	Y
Austria, Vorarlberg	Y	Y	Y	Y	Y	Y	Y	Y	Y
Belarus	Y	Y	N	N	N	N	Y	Y	Y
Belgium, Antwerp	Y	Y	Y	N	N	Y	Y	Y	Y
Belgium, Flanders	Y	Y	Y	Y	Y	Y	Y	Y	Y
Bulgaria	Y	Y	N	N	N	N	Y	Y	Y
Croatia	N	Y	Y	N	N	Y	NS	NS	NS
Czech Republic	Y	Y	N	Y	Y	Y	Y	Y	Y
Denmark	Y	Y	Y	Y	Y	Y	Y	Y	Y
Estonia	Y	Y	Y	Y	N	Y	Y	Y	Y
Finland	Y	Y	Y	Y	Y	Y	Y	Y	Y
France, Bas-Rhin	Y	Y	Y	Y	Y	Y	Y	Y	Y
France, Calvados	Y	Y	Y	Y	Y	Y	Y	Y	Y
France, Doubs	Y	Y	N	Y	N	N	Y	Y	Y
France, Haut-Rhin	Y	Y	Y	Y	Y	Y	Y	Y	Y
France, Hérault	Y	Y	Y	Y	N	Y	Y	Y	Y
France, Isère	Y	Y	Y	Y	Y	Y	Y	Y	Y
France, Loire-Atlantique	N	Y	N	N	N	N	N	N	N
France, Manche	Y	Y	Y	Y	Y	Y	Y	Y	Y
France, Somme	Y	Y	N	Y	Y	N	Y	Y	Y
France, Tarn	Y	Y	Y	Y	Y	Y	Y	Y	Y
France, Vendée	N	Y	N	N	N	N	N	N	N
Germany, Brandenburg	Y	Y	N	Y	Y	Y	Y	Y	Y
Germany, Free State of Saxony	Y	Y	N	Y	Y	Y	Y	Y	Y
Germany, Hamburg	Y	Y	N	Y	N	N	Y	Y	Y
Germany, Mecklenburg-Western Pomerania	Y	Y	N	Y	Y	Y	Y	Y	Y
Germany, Munich	Y	Y	Y	Y	Y	Y	Y	Y	Y
Germany, North Rhine-Westphalia: Münster	Y	Y	Y	Y	Y	Y	Y	Y	Y
Germany, Saarland	N	N	N	Y	Y	Y	N	N	N
Iceland	Y	Y	Y	Y	N	Y	Y	Y	Y
Ireland	N	N	N	Y	Y	Y	N	N	N

Table 3.4a Coding practices: Recorded

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. behaviour of ovary	Borderline tumour, unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma NOS of breast	Lobular carcinoma <i>in situ</i> of breast
Italy, Biella Province	N	N	N	Y	Y	Y	N	N	N
Italy, Brescia Province	Y	Y	Y	Y	N	Y	N	N	N
Italy, Ferrara Province	N	N	N	N	N	N	N	N	N
Italy, Florence and Prato	Y	Y	Y	Y	Y	Y	Y	Y	Y
Italy, Genoa Province	Y	Y	Y	Y	Y	Y	Y	Y	Y
Italy, Macerata Province	N	Y	N	N	N	N	N	N	N
Italy, Milan	Y	Y	Y	Y	Y	Y	Y	Y	Y
Italy, Modena Province	N	N	N	Y	N	N	N	N	N
Italy, Naples	Y	Y	Y	Y	Y	Y	Y	Y	Y
Italy, North East	N	N	N	N	N	Y	N	N	N
Italy, Parma Province	Y	Y	Y	N	N	Y	Y	Y	Y
Italy, Ragusa Province	Y	Y	Y	Y	N	Y	Y	Y	Y
Italy, Reggio Emilia Province	Y	NS	Y	Y	N	NS	Y	Y	Y
Italy, Romagna Region	Y	Y	Y	Y	Y	Y	Y	Y	Y
Italy, Salerno Province	N	Y	N	N	N	N	Y	Y	Y
Italy, Sassari Province	Y	Y	Y	Y	N	Y	Y	Y	Y
Italy, Sondrio	Y	Y	Y	NS	NS	Y	N	N	N
Italy, Syracuse Province	N	N	N	N	N	N	N	N	N
Italy, Torino	Y	Y	N	Y	N	Y	Y	Y	Y
Italy, Umbria Region	Y	Y	Y	Y	N	Y	Y	Y	Y
Italy, Varese Province	Y	Y	Y	Y	Y	Y	Y	Y	Y
Italy, Veneto Region	Y	Y	Y	Y	Y	Y	Y	Y	Y
Latvia	Y	Y	N	Y	Y	N	Y	Y	Y
Lithuania	Y	Y	Y	Y	Y	Y	Y	Y	Y
Malta	Y	Y	Y	Y	Y	Y	Y	Y	Y
The Netherlands	Y	Y	Y	Y	NS	Y	Y	Y	Y
The Netherlands, Eindhoven	Y	N	Y	Y	Y	NS	Y	NS	NS
The Netherlands, Maastricht	Y	Y	Y	Y	Y	Y	Y	Y	Y
Norway	Y	Y	Y	Y	Y	Y	Y	Y	Y
Poland, Cracow	N	N	N	Y	Y	Y	N	N	N
Poland, Kielce	Y	Y	N	NS	NS	NS	Y	Y	Y

Table 3.4a Coding practices: Recorded

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. behaviour of ovary	Borderline tumour, unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma of breast	Lobular carcinoma <i>in situ</i> of breast
Poland, Warsaw City	Y	Y	Y	Y	Y	Y	Y	Y	Y
Portugal, Porto	Y	Y	Y	Y	Y	Y	Y	Y	Y
Portugal, South Regional	Y	Y	Y	NS	NS	Y	NS	NS	NS
Russia, St Petersburg	Y	Y	Y	Y	Y	Y	Y	Y	Y
Serbia	Y	Y	N	N	N	N	Y	Y	Y
Slovak Republic	Y	Y	Y	Y	Y	Y	Y	Y	Y
Slovenia	Y	Y	Y	Y	N	Y	Y	Y	Y
Spain, Albacete	Y	Y	Y	Y	N	Y	Y	Y	Y
Spain, Asturias	Y	Y	Y	N	N	Y	Y	Y	Y
Spain, Basque Country	Y	Y	Y	Y	N	Y	Y	Y	Y
Spain, Canary Islands	Y	Y	Y	Y	N	Y	Y	Y	Y
Spain, Cuenca	Y	Y	Y	Y	Y	Y	Y	Y	Y
Spain, Girona	Y	Y	Y	Y	Y	Y	Y	Y	Y
Spain, Granada	Y	Y	N	Y	N	Y	N	N	N
Spain, Murcia	Y	Y	N	N	N	Y	Y	Y	Y
Spain, Navarra	Y	Y	Y	N	N	Y	Y	Y	Y
Spain, Tarragona	Y	Y	NS	N	N	Y	Y	Y	Y
Spain, Zaragoza	N	N	Y	N	N	Y	N	N	N
Sweden	Y	Y	Y	Y	Y	Y	Y	Y	Y
Switzerland, Geneva	Y	Y	Y	Y	Y	Y	Y	Y	Y
Switzerland, Graubünden and Glarus	Y	Y	Y	Y	Y	Y	Y	Y	Y
Switzerland, Neuchâtel	Y	Y	Y	Y	Y	Y	Y	Y	Y
Switzerland, St Gall-Appenzell	Y	Y	Y	Y	Y	Y	Y	Y	Y
Switzerland, Ticino	Y	Y	Y	Y	NS	NS	Y	Y	Y
Switzerland, Valais	Y	Y	Y	N	N	Y	Y	Y	Y
Switzerland, Vaud	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK, England, East of England Region	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK, England, Merseyside and Cheshire	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK, England, North Western	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK, England, Northern and Yorkshire	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK, England, Oxford Region	Y	Y	Y	Y	Y	Y	Y	Y	Y

Table 3.4a Coding practices: Recorded

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unsk. and unk. behaviour of ovary	Borderline tumour, unsk. and unk. behaviour of endometrium	Borderline tumour, unsk. and unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma NOS of breast	Lobular carcinoma <i>in situ</i> of breast
UK, England, South and Western Regions	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK, England, Thames	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK, England, Trent	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK, England, West Midlands	Y	Y	Y	Y	Y	Y	Y	Y	Y
UK, Northern Ireland	Y	Y	Y	NS	Y	Y	Y	Y	Y
UK, Scotland	Y	Y	Y	Y	Y	Y	Y	Y	Y
Oceania									
Australian Capital Territory	N	N	N	N	N	N	Y	Y	Y
Australia, New South Wales	N	N	N	N	N	N	Y	Y	Y
Australia, Northern Territory	Y	Y	N	N	N	N	Y	Y	Y
Australia, Queensland	Y	Y	Y	Y	Y	Y	Y	Y	Y
South Australia	Y	Y	N	N	N	N	Y	Y	Y
Australia, Tasmania	Y	Y	Y	Y	Y	Y	Y	Y	Y
Australia, Victoria	Y	Y	Y	Y	Y	Y	Y	Y	Y
Western Australia	Y	Y	Y	Y	Y	Y	Y	Y	Y
French Polynesia	N	N	N	N	N	N	N	N	N
New Zealand	Y	Y	N	Y	N	N	Y	Y	N
USA, Hawaii	Y	Y	N	Y	Y	N	Y	Y	Y

NS, not stated

Table 3.4b Coding practices: Recoded to behaviour /3

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, uns. and unk. behaviour of ovary	Borderline tumour, uns. and unk. behaviour of endometrium	Borderline tumour, uns. and unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma of breast	Lobular carcinoma <i>in situ</i> of breast
Africa									
Algeria, Setif	N	N	N	N	N	N	N	N	N
Egypt, Gharbiah	N	Y	NA	N	N	N	N	N	N
Tunisia, Central Region	N	Y	N	N	N	N	N	N	N
Uganda, Kyadondo County	NA	Y	NA	NA	NA	NA	NA	Y	NA
Zimbabwe, Harare	N	Y	NA	NA	NA	NA	N	N	N
South America									
Argentina, Bahia Blanca	N	Y	Y	N	N	N	N	Y	N
Brazil, Brasilia	N	Y	NA	NA	NA	NA	N	Y	Y
Brazil, Cuiaba	N	Y	N	N	N	N	N	Y	N
Brazil, Goiânia	Y	Y	Y	Y	NA	Y	Y	N	Y
Brazil, São Paulo	N	N	N	NA	NA	NA	N	N	N
Chile, Valdivia	NA	Y	Y	N	N	Y	N	N	N
Colombia, Cali	N	Y	N	N	N	N	N	N	N
Costa Rica	N	N	NA	NA	NA	NA	N	N	N
Ecuador, Quito	N	Y	NA	N	NA	NA	N	N	N
France, Martinique	N	Y	NS	N	N	N	N	Y	N
Peru, Trujillo	N	Y	N	NS	NA	NA	N	N	N
North America									
Canada	NS	NS	NS	NS	NS	NS	NS	NS	NS
Canada, Alberta	N	NA	NS	NS	NS	NS	NS	NS	NS
Canada, British Columbia	N	Y	N	N	N	N	N	N	N
Canada, Manitoba	N	Y	N	N	N	N	N	Y	N
Canada, New Brunswick	NS	NS	NS	NS	NS	NS	NS	NS	NS
Canada, Newfoundland and Labrador	N	N	N	NS	NS	N	N	N	N
Canada, Northwest Territories	N	N	N	N	N	N	N	N	N
Canada, Nova Scotia	N	Y	N	N	N	N	N	N	N
Canada, Ontario	NA	Y	NA	N	N	N	NA	NA	NA

Table 3.4b Coding practices: Recoded to behaviour /3

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, uns. and unk. behaviour of ovary	Borderline tumour, uns. and unk. behaviour of endometrium	Borderline tumour, uns. and unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma NOS of breast	Lobular carcinoma <i>in situ</i> of breast
Canada, Prince Edward Island	N	N	N	NS	NS	N	N	N	N
Canada, Saskatchewan	N	Y	N	N	N	N	N	N	N
USA, Alabama	N	Y	N	NA	NA	N	N	N	N
USA, Alaska	N	Y	N	N	N	N	N	N	N
USA, Arizona	N	Y	N	NS	NS	N	N	N	N
USA, California	N	Y	N	N	NA	N	NS	NS	NS
USA, California, Greater San Francisco Bay Area	NS	NS	NS	NS	NS	NS	NS	NS	NS
USA, California, Los Angeles County	N	Y	N	N	NA	N	N	N	N
USA, Colorado	N	Y	N	NA	NA	N	N	N	N
USA, Connecticut	N	Y	N	NA	NA	NS	N	N	N
USA, District of Columbia	N	N	N	N	N	N	N	N	N
USA, Florida	N	N	N	N	N	N	N	N	N
USA, Georgia	N	N	N	N	N	N	N	N	N
USA, Georgia, Atlanta	Y	NA	NA	N	NA	NA	N	N	N
USA, Idaho	N	N	N	N	NS	N	N	N	N
USA, Illinois	Y	NS	N	NA	NA	NS	N	N	N
USA, Indiana	N	Y	NA	NS	NS	NS	N	N	N
USA, Iowa	N	Y	NA	N	NA	NA	N	N	N
USA, Kentucky	Y	Y	N	Y	NA	N	N	N	N
USA, Louisiana	N	N	N	NA	NA	N	N	N	N
USA, Louisiana, New Orleans	N	N	N	NA	NA	N	N	N	N
USA, Maine	N	Y	N	Y	N	N	N	N	N
USA, Massachusetts	N	Y	N	NA	NA	N	N	N	N
USA, Michigan	N	Y	N	NA	NA	NA	N	N	N
USA, Michigan, Detroit	N	Y	NA	N	NA	NA	N	N	N
USA, Missouri	Y	NS	N	NA	NA	NS	N	N	N
USA, Montana	N	Y	N	N	N	N	N	N	N
USA, New Jersey	N	Y	N	N	NA	NA	N	N	N
USA, New Mexico	N	N	N	N	N	N	N	N	N
USA, New York State	N	N	N	N	N	N	N	N	N
USA, NPCR	N	N	N	NA	NA	N	N	N	N

Table 3.4b Coding practices: Recoded to behaviour /3

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. behaviour of ovary	Borderline tumour, unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma of breast	Lobular carcinoma <i>in situ</i> of breast
USA, Ohio	N	Y	N	NA	NA	NS	N	N	N
USA, Oklahoma	N	N	N	N	N	N	N	N	N
USA, Oregon	N	NS	NA	NA	NA	NA	N	N	N
USA, Pennsylvania	N	Y	N	NA	NA	NS	N	Y	N
USA, Rhode Island	N	Y	N	N	N	N	N	Y	N
USA, SEER	Y	Y	N	NS	NA	N	N	N	N
USA, South Carolina	NS	Y	NA	NS	NS	NA	NS	NS	NS
USA, Texas	N	Y	N	N	N	N	N	N	N
USA, Utah	N	Y	N	NA	NA	NA	N	N	N
USA, Vermont	N	Y	N	NA	NA	N	N	N	N
USA, Washington	N	Y	N	NA	NA	N	N	N	N
USA, Washington, Seattle	N	Y	N	N	NA	N	N	N	N
USA, West Virginia	N	NS	N	NA	NA	N	N	NS	N
USA, Wisconsin	Y	N	Y	Y	NA	NA	N	Y	N
Asia									
Bahrain	N	Y	N	N	N	N	N	N	N
China, Guangzhou	NA	Y	Y	NA	NA	Y	N	N	N
China, Hong Kong	N	Y	N	Y	Y	N	N	N	N
China, Jiashan	N	Y	N	NA	NA	N	N	Y	N
China, Nangang District, Harbin City	N	Y	Y	N	N	Y	N	Y	Y
China, Shanghai	N	N	Y	N	N	Y	N	N	N
China, Zhongshan	N	Y	N	N	N	N	N	N	N
Cyprus	N	Y	N	N	N	N	N	N	N
India, Chennai (Madras)	N	Y	N	N	N	NA	N	N	N
India, Karunagappally	N	Y	N	N	N	N	N	N	N
India, Mumbai (Bombay)	N	Y	N	N	N	N	N	N	N
India, Nagpur	N	Y	N	N	N	N	N	N	N
India, New Delhi	NA	Y	NA	Y	Y	Y	NA	Y	NA
India, Poona	N	Y	N	N	N	N	N	N	N
India, Trivandrum	N	Y	N	NA	NA	NA	N	N	N

Table 3.4b Coding practices: Recoded to behaviour /3

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, uns. and unk. behaviour of ovary	Borderline tumour, uns. and unk. behaviour of endometrium	Borderline tumour, uns. and unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma of breast	Lobular carcinoma <i>in situ</i> of breast
Israel	NS	NS	NS	NS	NS	NS	NS	NS	NS
Japan, Aichi Prefecture	N	Y	NA	Y	Y	NA	N	N	N
Japan, Fukui Prefecture	Y	Y	NA	NA	NA	NA	N	N	N
Japan, Hiroshima	N	Y	NS	N	Y	NS	N	Y	N
Japan, Miyagi Prefecture	N	Y	N	Y	Y	N	N	N	N
Japan, Nagasaki Prefecture	N	Y	N	N	N	N	N	N	N
Japan, Osaka Prefecture	N	Y	N	NA	NA	N	N	N	N
Japan, Yamagata Prefecture	N	Y	NA	NA	NA	NA	N	N	N
Korea	N	N	N	N	N	N	N	N	N
Korea, Busan	N	N	N	N	N	N	N	N	N
Korea, Daegu	N	Y	N	N	N	N	N	N	N
Korea, Daejeon	N	N	N	N	N	N	N	N	N
Korea, Gwangju	NA	Y	NA	Y	NA	NA	NA	NA	NA
Korea, Incheon	N	N	N	N	N	N	N	N	N
Korea, Jeju	N	N	N	N	N	N	N	N	N
Korea, Seoul	N	Y	N	N	N	N	N	N	N
Korea, Ulsan	N	Y	N	N	N	N	N	Y	N
Kuwait	Y	Y	NA	NS	NS	NS	Y	Y	Y
Malaysia, Penang	N	Y	N	N	N	N	N	Y	N
Malaysia, Sarawak	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oman	N	Y	N	N	N	N	N	N	N
Pakistan, South Karachi	N	N	N	Y	N	N	N	N	N
Philippines, Manila	N	Y	N	N	N	N	N	N	N
Singapore	N	Y	N	N	N	N	N	N	N
Thailand, Chiang Mai	N	Y	NA	Y	Y	Y	N	Y	N
Thailand, Lampang	N	Y	N	N	N	N	N	Y	N
Thailand, Songkhla	N	Y	N	N	N	N	N	N	N
Turkey, Antalya	N	N	N	N	N	N	N	N	N
Turkey, Izmir	N	N	N	N	N	N	N	N	N

Table 3.4b Coding practices: Recoded to behaviour /3

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, uns. and unk. behaviour of ovary	Borderline tumour, uns. and unk. behaviour of endometrium	Borderline tumour, uns. and unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma of breast	Lobular carcinoma <i>in situ</i> of breast
Europe									
Austria	N	Y	NA	Y	NA	NA	N	Y	N
Austria, Tyrol	N	Y	NA	Y	Y	NS	N	N	N
Austria, Vorarlberg	N	Y	N	N	N	N	N	N	N
Belarus	N	Y	NA	NA	NA	NA	N	N	N
Belgium, Antwerp	N	Y	N	NA	NA	N	N	Y	N
Belgium, Flanders	N	N	N	N	N	N	N	N	N
Bulgaria	N	Y	N	N	N	N	N	N	N
Croatia	NA	Y	N	NA	NA	N	N	N	N
Czech Republic	N	N	N	NS	NS	NS	NS	NS	NS
Denmark	Y	Y	Y	N	N	Y	Y	Y	N
Estonia	N	Y	N	Y	NA	N	N	N	N
Finland	N	Y	N	N	N	N	N	N	N
France, Bas-Rhin	N	N	N	N	N	N	N	N	N
France, Calvados	N	N	N	N	N	N	N	N	N
France, Doubs	N	N	N	NS	NA	NA	NS	NS	NS
France, Haut-Rhin	N	Y	N	N	N	N	N	N	N
France, Hérault	N	N	N	N	NA	N	N	N	N
France, Isère	N	N	N	N	N	N	N	N	N
France, Loire-Atlantique	NA	N	NA	NA	NA	NA	NA	NA	NA
France, Manche	N	N	N	N	N	N	N	N	N
France, Somme	Y	Y	NA	N	N	NA	N	N	N
France, Tam	N	N	N	Y	N	N	N	N	N
France, Vendée	NA	Y	NA	NA	NA	NA	NA	NA	NA
Germany, Brandenburg	N	Y	NA	N	N	N	N	N	N
Germany, Free State of Saxony	N	Y	NA	N	N	N	N	N	N
Germany, Hamburg	Y	Y	NA	N	NA	NA	N	N	N
Germany, Mecklenburg-Western Pomerania	N	Y	NA	N	N	N	N	N	N
Germany, Munich	Y	Y	N	N	N	N	N	N	N
Germany, North Rhine-Westphalia: Münster	N	N	N	N	N	N	N	Y	N

Table 3.4b Coding practices: Recoded to behaviour /3

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. behaviour of ovary	Borderline tumour, unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma of breast	Lobular carcinoma <i>in situ</i> of breast
Germany, Saarland	N	N	NA	N	N	N	N	N	N
Iceland	N	Y	N	N	NA	N	N	N	N
Ireland	N	N	N	N	N	N	N	N	N
Italy, Biella Province	N	N	N	N	N	N	N	N	N
Italy, Brescia Province	N	Y	N	Y	N	N	N	N	N
Italy, Ferrara Province	N	N	NA	NA	NA	NA	N	N	N
Italy, Florence and Prato	N	N	N	N	N	N	N	N	N
Italy, Genoa Province	N	Y	N	N	N	N	NS	NS	NS
Italy, Macerata Province	NA	Y	NA	NA	NA	NA	NA	NA	NA
Italy, Milan	N	Y	N	N	N	Y	N	N	N
Italy, Modena Province	N	N	NA	N	NA	NA	N	N	N
Italy, Naples	N	N	N	N	N	N	N	N	N
Italy, North East	N	N	N	N	N	Y	N	N	N
Italy, Parma Province	N	Y	N	NA	NA	N	N	N	N
Italy, Ragusa Province	N	N	N	N	N	N	N	N	N
Italy, Reggio Emilia Province	Y	NS	N	N	NA	NS	N	N	N
Italy, Romagna Region	N	Y	N	N	N	N	N	N	N
Italy, Salerno Province	N	Y	NA	NA	NA	NA	N	N	N
Italy, Sassari Province	N	N	N	Y	NA	N	N	N	N
Italy, Sondrio	N	N	N	N	N	N	N	N	N
Italy, Syracuse Province	NA	NA	NA	NA	NA	NA	NA	NA	NA
Italy, Torino	N	N	NA	N	N	N	N	N	N
Italy, Umbria Region	Y	Y	N	N	NA	N	N	N	N
Italy, Varese Province	N	Y	N	Y	Y	N	N	N	N
Italy, Veneto Region	N	Y	N	N	N	N	N	N	N
Latvia	N	Y	NA	Y	N	NA	N	N	N
Lithuania	NS	NS	NS	NS	NS	NS	NS	NS	NS
Malta	N	N	N	NS	N	N	N	N	N
The Netherlands	N	N	N	N	NS	N	N	N	N
The Netherlands, Eindhoven	N	NA	NS	NS	NS	NS	NS	NS	NS
The Netherlands, Maastricht	N	N	N	N	N	N	N	N	N

Table 3.4b Coding practices: Recoded to behaviour /3

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, unk. behaviour of ovary	Borderline tumour, unk. behaviour of endometrium	Borderline tumour, unk. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma of breast	Lobular carcinoma <i>in situ</i> of breast
Norway	N	N	N	N	N	N	N	N	N
Poland, Cracow	N	N	N	N	N	N	N	N	N
Poland, Kielce	N	N	N	NS	NS	NS	NS	NS	NS
Poland, Warsaw City	N	Y	N	N	N	N	N	N	N
Portugal, Porto	NS	NS	NS	NS	NS	NS	NS	NS	NS
Portugal, South Regional	N	Y	N	NS	NS	NS	Y	Y	Y
Russia, St Petersburg	N	Y	Y	Y	Y	Y	N	Y	N
Serbia	N	N	N	N	N	N	N	N	N
Slovak Republic	Y	Y	Y	N	N	N	Y	Y	Y
Slovenia	N	Y	N	N	NA	N	N	N	NS
Spain, Albacete	N	Y	N	N	N	N	N	N	N
Spain, Asturias	N	N	N	N	N	N	N	N	N
Spain, Basque Country	N	Y	N	N	NA	N	N	N	NS
Spain, Canary Islands	N	Y	N	Y	N	N	N	N	N
Spain, Cuenca	Y	Y	N	N	N	N	N	N	N
Spain, Girona	N	Y	N	N	N	N	N	N	N
Spain, Granada	N	Y	NA	N	NA	N	NA	NA	NA
Spain, Murcia	N	Y	NA	NA	NA	NA	N	N	N
Spain, Navarra	N	Y	N	NA	NA	N	N	N	N
Spain, Tarragona	N	Y	N	NA	NA	N	N	N	N
Spain, Zaragoza	NA	NA	N	NA	NA	N	NA	NA	NA
Sweden	N	N	N	N	N	N	N	N	N
Switzerland, Geneva	N	Y	N	N	N	N	N	N	N
Switzerland, Graubünden and Glarus	N	Y	NS	N	NS	N	N	Y	N
Switzerland, Neuchâtel	N	N	N	N	N	N	N	N	N
Switzerland, St Gall-Appenzell	N	Y	NS	N	N	N	N	Y	N
Switzerland, Ticino	N	Y	N	N	NS	NS	N	N	N
Switzerland, Valais	N	N	N	NA	NA	NS	NS	NS	NS
Switzerland, Vaud	N	N	N	N	N	N	N	N	N
UK, England, East of England Region	N	N	N	NS	NS	NS	N	N	N
UK, England, Merseyside and Cheshire	N	Y	N	N	N	N	N	N	N

Table 3.4b Coding practices: Recoded to behaviour /3

	Carcinoma of bladder, <i>in situ</i>	Carcinoma of bladder NOS	Benign tumours of brain and nervous system	Borderline tumour, uns. and unk. behaviour of ovary	Borderline tumour, uns. and unk. behaviour of endometrium	Borderline tumour, uns. behaviour of brain	Ductal carcinoma <i>in situ</i> of breast	Intraduct carcinoma NOS of breast	Lobular carcinoma <i>in situ</i> of breast
UK, England, North Western	N	Y	N	N	N	N	N	N	N
UK, England, Northern and Yorkshire	N	Y	N	Y	N	N	N	N	N
UK, England, Oxford Region	N	N	N	N	N	N	N	Y	N
UK, England, South and Western Regions	N	N	N	NS	N	N	N	N	N
UK, England, Thames	N	Y	N	NS	NS	NS	N	N	N
UK, England, Trent	N	Y	N	Y	N	N	N	N	N
UK, England, West Midlands	N	Y	N	Y	N	N	N	N	N
UK, Northern Ireland	N	Y	N	NS	N	N	N	N	N
UK, Scotland	NS	NS	NS	Y	N	N	N	N	N
Oceania									
Australian Capital Territory	NA	NA	NA	NA	NA	NA	NS	NS	NS
Australia, New South Wales	NA	NA	NA	NA	NA	NA	NS	NS	NS
Australia, Northern Territory	N	Y	NA	NA	NA	NA	N	N	N
Australia, Queensland	N	Y	N	N	N	N	N	N	N
South Australia	N	N	NA	NA	NA	NA	N	N	N
Australia, Tasmania	N	NS	N	N	N	N	N	N	N
Australia, Victoria	N	Y	N	N	N	N	N	N	N
Western Australia	N	Y	N	N	N	N	N	N	N
French Polynesia	NA	Y	NA	NA	NA	NA	NA	NA	NA
New Zealand	N	Y	NA	Y	NA	NA	N	N	NA
USA, Hawaii	N	Y	NA	NS	NS	NA	N	N	N

NS, not stated

NA, not applicable (not recorded)