Chapter 4: Histological groups

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BACKGROUND

The data presented in this volume of *Cancer Incidence in Five Continents* (CI5) are mainly organized by the predominantly site-based categories of Chapter II (Neoplasms) of the 10th revision of the *International Classification of Diseases* (ICD-10; WHO, 1992) (see Chapter 3 of this book). However, for some sites of cancer, the histological type is particularly relevant clinically and/or epidemiologically. In the present volume, the data are grouped according to histological types as originally defined in CI5 Volume IX (Curado et al., 2007) and listed in this chapter.

GENERAL STRUCTURE

The main structure of the histological grouping is that specific types of malignant neoplasms are listed, as well as the category "Unspecified malignant neoplasm" (i.e. malignant tumours that are so poorly differentiated that we are unable to classify them into major groups such as carcinoma or sarcoma). Neoplasms that have a specific morphology but are too rare to be listed among the major histological groups are grouped together in the category "Other specified malignant neoplasm". Similarly, in the category "Carcinoma", specific subtypes, such as "Squamous cell carcinoma" and "Adenocarcinoma", are listed, as well as "Unspecified carcinoma" (i.e. carcinomas that are so poorly differentiated that we are unable to classify them according to histological subtype, although it is still possible to distinguish them from non-epithelial malignant neoplasms such as sarcoma). Morphological codes are listed for the specific types of neoplasm (or carcinoma), and for "Unspecified malignant neoplasm" (or carcinoma). The remaining codes of neoplasia (or carcinoma) are then automatically assigned to the "Other specified malignant neoplasm" (or carcinoma) category.

SITES

For inclusion in CI5 as a distinct histological type within a site group, a type must be both sufficiently common at the site and clinically epidemiologically relevant. The following 15 organ sites are included in this chapter, with accompanying histological type information: oesophagus, anus, liver, lung, bone, skin, cervix uteri, corpus uteri, ovary, testis, kidney and renal pelvis, urinary bladder, eye, brain and central nervous system, and thyroid, as well as haematological malignancies. Some major cancer sites, such as breast and prostate, are not included, because most malignant neoplasms

at these sites are adenocarcinomas, and the coding of adenocarcinoma subtypes is not consistent. Kidney was combined with renal pelvis because some urothelial carcinomas originating from the renal pelvis are site coded as kidney cancers, while others are coded as renal pelvis cancers. Hodgkin lymphoma and leukaemias are combined together in the haematological group.

TYPES OF NEOPLASMS INCLUDED

The CI5 Volume X data include all invasive malignant neoplasms and some non-invasive malignant neoplasms. For most morphology codes, a fifth digit of /1 or /2 automatically excludes data entry. Carcinoma in situ is reported by many cancer registries, but is not generally dealt with in this volume, with the exception of urothelial carcinoma in situ. A few lesions of borderline malignancy are included, such as low-grade non-invasive papillary transitional cell tumours, which are now designated as papillary urothelial neoplasia of low malignant potential (PUNLMP) (8130/1). Flat carcinoma in situ of the urothelium (8120/2) and PUNLMP (8130/1, 8130/2) have been grouped with transitional cell carcinoma in this volume. Because skin has been added to the sites, basal cell carcinoma is reported as a separate group, although many cancer registries do not have statistics on these tumours. Within the 15 organ sites presented, there are no cases of mesothelioma (ICD-O M905_), Kaposi sarcoma (9140), lymphoma, or leukaemia (9590-9989), as these cancers have their own specific ICD-10 codes and are presented separately in this volume.

MORPHOLOGY CODES

The grouping of morphology codes presents several difficulties. The ICD-O system is based on separate site (topography) and morphology (histology) codes that can be combined. Inevitably, in cancer registry data, morphology codes are sometimes mistakenly combined with codes for sites where these entities do not occur or have not been reported. Some morphology codes are redundant (i.e. multiple codes can be applied for the same tumour). Other codes are obsolete (i.e. the entities have been renamed or deleted in later revisions of tumour classifications). A major difficulty is the variation in coding precision (specific codes for tumour subtypes vs comprehensive codes for broad categories such as adenocarcinoma), which limits the utility of detailed codes. An example of this is kidney tumours. Renal cell carcinomas are often coded as

renal cell carcinoma, not otherwise specified (NOS) (8312) or adenocarcinoma, NOS (8140), while others are subtyped. Therefore, all carcinomas of the kidney are grouped together in this chapter.

Some cancer types occur in several organs but have different clinical behaviour depending on the site of origin. For most sites, adenosquamous carcinoma (8560) and mucoepidermoid carcinoma (8430) are included in the category "Other specified carcinoma". An exception is the corpus uteri (C54), where these are included in the category "Adenocarcinoma" because they are thought to have similar biology (Zaino and Kurman, 1988). Furthermore, squamous differentiation is very common in endometrioid carcinoma (8380-8383), which makes it difficult to differentiate between these tumours. Another example is metaplastic carcinoma (8575), which is generally included in the category "Other specified carcinoma". However, for the corpus uteri, it is included in the category "Other specified malignant neoplasm", because metaplastic carcinoma is considered equivalent to carcinosarcoma at this site (Silverberg et al., 1990).

The "Unspecified carcinoma" category includes tumours that are coded as carcinoma, NOS, but also some descriptive diagnoses of poorly differentiated cancers. These tumours can be recognized as carcinomas but are too undifferentiated to be further classified according to their histogenetic origin. This group generally includes the morphology codes 8010–8035. An exception is in the lung, where "Large cell carcinoma" is a separate category in the WHO classification, and includes 8010–8012, 8014–8031, and 8035 (Travis et al., 2004). The thyroid is another exception, where "Anaplastic carcinoma" is also a specific category in the WHO classification, and includes the morphology codes 8020–8035 (DeLellis et al., 2004).

Some tumours are evidently miscoded in cancer registry data, because their incidence is far higher than expected. Papillary carcinomas, NOS are listed in the category "Squamous cell neoplasm" in ICD-O-3 (Fritz et al., 2000). But most bladder tumours for which this code is used are probably miscoded urothelial carcinomas rather than papillary squamous cell carcinomas, and they are therefore included in the "Transitional cell carcinoma" category. In the thyroid, it can be assumed that carcinomas assigned the morphology code 8050 are actually papillary carcinomas of the thyroid, and they are therefore included in that category. In the kidney, it can be assumed that the majority of tumours with the morphology code 8050 are miscoded papillary renal cell carcinomas, and they are consequently included in the "Renal cell carcinoma" category.

OESOPHAGUS (C15)

The "Adenocarcinoma" category excludes linitis plastica (8142), which occurs in the gastric epithelium. The "Squamous cell carcinoma" category includes basaloid squamous cell carcinoma (8083). The principal cancers in the "Other specified carcinoma"

4 Unspecified malignant neoplasm

category are large cell carcinoma (8012-8014) and small cell carcinoma (8041-8045). Melanoma and carcinosarcoma are included in the category "Other specified malignant neoplasm".

Table 4.1. Oesophagus (C15)

Carcinoma 1.1 Squamous cell carcinoma 1.2 Adenocarcinoma	8010–8576 8050–8078, 8083–8084 8140–8141, 8143–8145, 8190–8231,
	8260–8263, 8310, 8401, 8480–8490, 8550–8551, 8570–8574, 8576
1.3 Other specified carcinoma	6550-6551, 6570-6574, 6570
1.4 Unspecified carcinoma	8010–8035
2 Sarcoma	8800–8811, 8830, 8840–8921, 8990–8991, 9040–9044, 9120–9133, 9150, 9540–9581
3 Other specified malignant neoplasm	

8000-8005

ANUS (C21)

The category "Squamous cell carcinoma" includes basaloid and cloacogenic carcinomas (8123–8124) and basaloid squamous cell carcinoma (8083). Cloacogenic carcinoma is a controversial entity, sometimes defined as carcinoma arising from the anal transition zone, and sometimes as a morphological

variant of squamous cell carcinoma. The term "basaloid carcinoma" has also been used to designate this group of tumours. Their reported incidence is highly variable, possibly because of the confusing nomenclature. Hence, these tumour types are included in the category "Squamous cell carcinoma".

Table 4.2. Anus (C21)

1 Carcinoma 8010–8576

1.1 Squamous cell carcinoma 8050–8076, 8083–8084, 8123–8124

1.2 Adenocarcinoma 8140–8145, 8190–8231, 8260–8263, 8310, 8401, 8480–8490, 8550–8551, 8570–8574,

8576

1.3 Other specified carcinoma

1.4 Unspecified carcinoma 8010–8011

2 Melanoma 8720–8790

3 Other specified malignant neoplasm

4 Unspecified malignant neoplasm 8000–8005

LIVER (C22)

The category "Hepatocellular carcinoma" includes hepatoid carcinomas (8576), under the assumption that these are actually miscoded hepatocellular carcinomas. The category "Cholangiocarcinoma" encompasses all primary carcinomas of the liver of

biliary epithelial type (i.e. it excludes hepatocellular carcinoma and combined hepatocellular and cholangiocarcinoma). Combined hepatocellular and cholangiocarcinoma (8180) is included in the "Other specified carcinoma" category, as are carcinoids.

Table 4.3. Liver (C22)

1 Carcinoma 8010–8576

1.1 Hepatocellular carcinoma 8170–8176

1.2 Cholangiocarcinoma (all intrahepatic biliary carcinomas, i.e. all primary adenocarcinomas) 8050, 8140–8141, 8160–8161, 8260, 8440, 8480–8500, 8570–8572

1.3 Other specified carcinoma

1.4 Unspecified carcinoma 8010–8035

2 Hepatoblastoma 8970

3 Sarcoma

3.1 Haemangiosarcoma 9120–9133, 9161

3.2 Other sarcomas 8800–8811, 8830, 8840–8921, 8990–8991,

9040-9044, 9150, 9170, 9540-9581

4 Other specified malignant neoplasm

5 Unspecified malignant neoplasm 8000–8005

LUNG (C34)

One change has been made in the histological groupings for lung cancer since Volume IX: neuroendocrine carcinoma, NOS (M-8246/3), which had previously been included in the "Small cell carcinoma" category, is now classified under "Other specified carcinoma". The "Squamous cell carcinoma" category includes papillary carcinomas, NOS (8050), because these are listed under "Squamous cell neoplasm" in ICD-O-3. The category "Adenocarcinoma" includes bronchiolo-alveolar adenocarcinoma (8250–8254) but excludes adenoid cystic (8200), mucoepidermoid (8430), and adenosquamous (8560)

carcinomas, which are instead included in the category "Other specified carcinoma". The category "Large cell carcinoma" includes cancers so described (8012), as well as other morphological variants of undifferentiated carcinomas (except those with neuroendocrine or spindle differentiation) and clear cell adenocarcinoma (8310). The category "Other specified carcinoma" includes non-small cell carcinoma (8046); carcinoid tumours (8240-8245); and adenoid cystic (8200), mucoepidermoid (8430), adenosquamous (8560),large cell neuroendocrine (8013) and carcinomas.

Table 4.4. Lung (C34)

1 Carcinoma 8010–8576

1.1 Squamous cell carcinoma 8050–8078, 8083–8084

1.2 Adenocarcinoma 8140, 8211, 8230–8231, 8250–8260, 8323, 8480–8490, 8550–8551, 8570–8574, 8576

1.3 Small cell carcinoma 8041–8045

1.4 Large cell carcinoma (including giant cell, clear cell 8010–8012, 8014–8031, 8035, 8310 and large cell undifferentiated carcinoma)

1.5 Other specified carcinoma

2 Sarcoma 8800–8811, 8830, 8840–8921, 8990–8991, 9040–9044, 9120–9133, 9150, 9540–9581

3 Other specified malignant neoplasm

4 Unspecified malignant neoplasm 8000–8005

BONE (C40-C41)

The main categories are "Osteosarcoma", "Chondrosarcoma", and "Ewing sarcoma". These three groups encompass the same ICD-O entities as groups VIII A-C in the third edition of *International Classification of Childhood Cancer* (Steliarova-Foucher et al., 2005). The "Other specified sarcoma" category includes epithelioid sarcoma (8804), fibrosarcoma (8810–8812), malignant fibrous histiocytoma (8830), liposarcomas

(8850 - 8858). angiosarcomas (9120-9133), malignant giant cell tumours (9250). The "Other specified malignant neoplasm" category includes desmoplastic small round cell tumour (8806), (8990), chordoma (9370-9372), mesenchymoma adamantinomas (9261,9310), and primitive neuroectodermal tumour (PNET) (9473).

Table 4.5. Bone (C40-C41)

1 Sarcoma 8800–8921, 9040–9044, 9120–9133, 9150,

9180–9250, 9260, 9540–9581 1.1 Osteosarcoma 9180–9200

1.2 Chondrosarcoma9210–92431.3 Ewing sarcoma9260

1.4 Other specified sarcoma

1.5 Unspecified sarcoma

8800–8803, 8805

2 Other specified malignant neoplasm

3 Unspecified malignant neoplasm 8000-8005

SKIN (C43-C44)

Basal cell carcinoma is registered and reported by several cancer registries, and has therefore been included.

Table 4.6. Skin (C43–C44)		
1 Carcinoma1.1 Squamous cell carcinoma1.2 Basal cell carcinoma1.3 Other specified carcinoma1.4 Unspecified carcinoma	8010–8576 8050–8078, 8083–8084 8090–8098	
2 Melanoma	8720–8790	
3 Other specified malignant neoplasm		
4 Unspecified malignant neoplasm	8000–8005	

CERVIX UTERI (C53)

Mucoepidermoid carcinoma (8430) and adenosquamous carcinoma (8560) are included in the category "Other specified carcinoma". The "Other specified malignant neoplasm" category includes Mullerian

mixed tumour (8950), carcinosarcoma (8980), and melanoma (8720-8790). Malignant endometrioid adenofibroma (8381) is also classified as "Other specified malignant neoplasm".

Table 4.7. Cervix uteri (C53)		
1 Carcinoma1.1 Squamous cell carcinoma1.2 Adenocarcinoma	8010–8380, 8382–8576 8050–8078, 8083–8084 8140–8141, 8190–8211, 8230–8231, 8260–8263, 8310, 8380, 8382–8384, 8440–8490, 8570–8574, 8576	
1.3 Other specified carcinoma1.4 Unspecified carcinoma	8010–8035	
2 Sarcoma	8800–8811, 8830, 8840–8921, 8990–8991, 9040–9044, 9120–9133, 9150, 9540–9581	
3 Other specified malignant neoplasm		
4 Unspecified malignant neoplasm	8000–8005	

CORPUS UTERI (C54)

Squamous cell carcinomas are included in the category "Other specified carcinoma" because of their rarity at this site. Unlike for other sites, mucoepidermoid (8430) and adenosquamous (8569) carcinomas are included in the category "Adenocarcinoma", because squamous differentiation is very common in adenocarcinoma of the corpus uteri, and it is assumed that partial

squamous differentiation does not change the behaviour of these neoplasms. Also, unlike for other sites, metaplastic carcinoma (8575) is included in the category "Other specified malignant neoplasm", because in the corpus uteri, metaplastic carcinoma of the endometrium has been equated with carcinosarcoma.

Table 4.8. Corpus uteri (C54)

1 Carcinoma 8010–8574, 8576

1.1 Adenocarcinoma (including mucoepidermoid and adenosquamous carcinoma)

8140–8141, 8190–8211, 8230–8231, 8260–8263, 8310, 8380, 8382–8384, 8430, 8440–8490, 8510, 8560, 8570–8574, 8576

1.2 Other specified carcinoma
1.3 Unspecified carcinoma
8010–8035

2 Sarcoma 8800–8811, 8830, 8840–8921, 8990-8991, 9040–9044, 9120–9133, 9150, 9540-9581

3 Other specified malignant neoplasm

4 Unspecified malignant neoplasm 8000–8005

OVARY (C56)

The first four carcinoma categories listed here correspond to malignant serous, mucinous, endometrioid, and clear cell tumours. Among the carcinomas not included in these four groups, there are various adenocarcinomas that cannot with certainty be allocated to any of the above groups, and are hence included in the category "Adenocarcinoma, NOS". This category also includes papillary adenocarcinoma (8260), cystadenocarcinoma (8440), and other variants of adenocarcinoma. Within the category "Adenocarcinoma, NOS", there are most likely a substantial

number of tumours that actually belong to categories 1.1–1.4. Truly unclassified adenocarcinomas of the ovary are uncommon. Sex cord-stromal tumours have their own group. The category "Germ cell tumours" includes dysgerminomas, embryonal carcinomas, and teratomas, as well as the rare carcinoid tumours of the ovary, and the very rare gonadoblastomas. Lipid cell tumours, malignant Brenner tumours, and sarcomas are very rare and are consigned to the category "Other specified malignant neoplasm".

Table 4.9. Ovary (C56)

1 Carcinoma 8010–8231, 8246–8576, 9014–9015, 9110

 1.1 Serous carcinoma
 8441, 8460–8463, 9014

 1.2 Mucinous carcinoma
 8470–8490, 9015

 1.3 Endometrioid carcinoma
 8380–8383, 8560, 8570

1.4 Clear cell carcinoma 8310–8313, 9110

1.5 Adenocarcinoma, NOS 8140–8147, 8170–8190, 8211–8231, 8260, 8384, 8440, 8576

1.6 Other specified carcinoma
1.7 Unspecified carcinoma
8010–8035

2 Sex cord-stromal tumours 8590–8671

3 Germ cell tumours 8240–8245, 9060–9102

4 Other specified malignant neoplasm (including Mullerian mixed tumour, carcinosarcoma)

5 Unspecified malignant neoplasm 8000–8005

TESTIS (C62)

Spermatocytic seminoma has a more favourable prognosis than does seminoma, and these tumours should not be grouped together. Embryonal carcinoma, malignant teratoma, yolk sac tumour, choriocarcinoma,

and mixed germ cell tumours are included in the category "Non-seminomatous germ cell tumours". Sex cord-stromal tumours are included in the category "Other specified malignant neoplasm".

Table 4.10. Testis (C62)

1 Germ cell tumours 9060–9102

1.1 Seminoma 9060–9062, 9064

1.2 Spermatocytic seminoma1.3 Non-seminomatous germ cell tumours90639065–9102

2 Other specified malignant neoplasm

3 Unspecified malignant neoplasm 8000–8005

KIDNEY (C64) AND RENAL PELVIS (C65)

There are several major difficulties with the histological grouping of kidney tumours. Transitional cell and squamous carcinomas in the kidney usually originate from the renal pelvis, although it may be difficult to trace the origin of the tumour. It can be assumed that some of these are site coded kidney (C64) and others renal pelvis (C65). Hence, these two sites are now grouped.

Renal cell carcinomas have recently undergone a reclassification based on molecular, cytogenetic, morphological, and clinical data. However, a substantial portion of these tumours are coded as renal cell

carcinoma, NOS (8312) or adenocarcinoma, NOS (8140), while others are subtyped. Therefore, the "Renal cell carcinoma" category includes adenocarcinoma, NOS (8140), specific subtypes of renal cell carcinoma, and also obsolete entities such as granular cell carcinoma (8320). Papillary carcinoma, NOS (8050) is listed under "Squamous cell neoplasm" in ICD-O-3. When this code is used for renal tumours, it is probably most often a miscoding of papillary renal carcinoma, and it is therefore included in the "Renal cell carcinoma" category as well.

Table 4.11. Kidney (C64) and renal pelvis (C65)

1 Carcinoma 8010–8576

 1.1 Squamous, transitional cell carcinoma
 8051–8084, 8120–8122, 8130–8131

 1.2 Renal cell carcinoma
 8050, 8140, 8260, 8270, 8280–8312,

8316–8320, 8340–8344 1.3 Other specified carcinoma

1.4 Unspecified carcinoma 8010–8035

2 Other specified malignant neoplasm

3 Unspecified malignant neoplasm 8000–8005

URINARY BLADDER (C67)

The classification of urinary bladder tumours has undergone several revisions in recent years. Some low-grade papillary transitional cell tumours are now designated as PUNLMP (8130/1). To enable longitudinal comparisons, flat carcinoma in situ (8120/2) and PUNLMP (8130/1, 8130/2) have been included in the category "Transitional cell carcinoma".

Papillary carcinomas, NOS (8050) are listed under "Squamous cell neoplasm" in ICD-O-3. But when this code is used for bladder tumours, it is probably most often a miscoding of transitional cell carcinoma, and it is therefore included in the "Transitional cell carcinoma" category. Pheochromocytoma, malignant paraganglioma, melanoma, and carcinosarcoma are included in the "Other specified malignant neoplasm" category.

Table 4.12. Urinary bladder (C67)		
1 Carcinoma	8010–8576	
1.1 Squamous cell carcinoma 1.2 Transitional cell carcinoma (including transitional	8051–8078, 8083–8084 8050, 8120–8122, 8130–8131	
cell carcinoma with squamous and/or glandular differentiation)	0000, 0120 0122, 0100 0101	
1.3 Adenocarcinoma	8140–8145, 8190–8231, 8260–8263, 8310, 8401, 8480–8490, 8550–8551, 8570–8574, 8576	
1.4 Other specified carcinoma		
1.5 Unspecified carcinoma	8010–8035	
2 Sarcoma	8800–8811, 8830, 8840–8921, 8990–8991, 9040–9044, 9120–9133, 9150, 9540–9581	
3 Other specified malignant neoplasm		
4 Unspecified malignant neoplasm	8000–8005	

EYE (C69)

The principal eye cancers – retinoblastoma and malignant melanoma – form two categories. The carcinomas are divided into three subgroups: "Squamous cell carcinoma" (70% of the carcinomas, principally tumours of the conjunctiva and cornea), "Other specified carcinoma" (14.6% of the carcinomas,

comprising almost entirely adenocarcinomas and mainly originating in the lacrimal gland and duct), and "Unspecified carcinoma". Squamous cell carcinomas that are site coded for the eye (C69) probably include some cancers that originate in the skin (C44) of the eyelids.

Table 4.13. Eye (C69)		
1 Retinoblastoma	9510–9513	
2 Malignant melanoma	8720–8790	
3 Carcinoma3.1 Squamous cell carcinoma3.2 Other specified carcinoma3.3 Unspecified carcinoma	8010–8576 8050–8078, 8083–8084 8010–8035	
4 Sarcoma	8800–8811, 8830, 8840–8921, 8990–8991, 9040–9044, 9120–9133, 9150, 9540–9581	
5 Other specified malignant neoplasm		
6 Unspecified malignant neoplasm	8000–8005	

BRAIN AND CENTRAL NERVOUS SYSTEM (C71-C72)

These categories are based on those of the WHO Pathology and Genetics of Tumours of the Nervous System classification (Kleihues and Cavenee, 1997). Atypical teratoid/rhabdoid tumour (9508) is included in the "Embryonal tumours" category. The "Other neuroepithelial tumours" category includes olfactory, pineal, and some pituitary tumours, such as craniopharyngioma (9350-9352); pinealoma, pineocytoma, and pineoblastoma (9360-9362); and olfactory neuroepitheliomatous neoplasms (9520-9523). The term "pinealoma" (9360) encompasses pineocytoma (9361) and pineoblastoma (9362). Lymphomas and haematopoietic neoplasms are not included.

Table 4.14. Brain and central nervous system (C71-C72)

1 Tumours of neuroepithelial tissue

1.1 Gliomas

1.1.1 Astrocytic tumours

1.1.2 Oligodendroglial tumours and mixed gliomas

1.1.3 Ependymal tumours

1.1.4 Gliomas, others

1.2 Embryonal tumours

1.2.1 Medulloblastoma

1.2.2 Other

1.3 Other neuroepithelial tumours

2 Other specified malignant neoplasm

3 Unspecified malignant neoplasm

8680, 9350-9362, 9380-9508, 9520-9523

9380-9384, 9391-9460

9384, 9400-9421, 9424, 9440-9442

9382, 9450-9451

9383, 9391-9394

9380-9381, 9423, 9430, 9444, 9460

9470-9474, 9490, 9500-9504, 9508

9470-9472, 9474

9473, 9490, 9500-9504, 9508

8000-8005

THYROID (C73)

Follicular and papillary carcinomas constitute the majority of thyroid cancers. The "Papillary carcinoma" category includes follicular carcinomas with a papillary component (8340). It is assumed that most cases of papillary squamous carcinoma (8050) are actually papillary carcinomas, and they are therefore included in this category as well. "Minimally invasive follicular carcinoma" (8335) is a new code in ICD-O-3, and is included in the category "Follicular carcinoma".

Squamous carcinoma is no longer recognized as a major histological type in the WHO classification, and it is therefore included in the category "Other specified carcinoma".

"Anaplastic carcinoma" (encompassing undifferentiated, giant cell, and spindle cell carcinomas) is a separate category from "Unspecified carcinoma". Poorly differentiated carcinoma is a controversial entity and has been classified under "Anaplastic carcinoma". Small cell carcinoma (8040-8045) is specifically excluded, since the great majority of tumours previously so diagnosed are in fact lymphomas.

Insular thyroid carcinoma (8337) is a distinctive clinicopathological entity that has been included in the "Other specified carcinoma" category. medullary-follicular carcinoma (8346) and mixed medullary-papillary carcinoma (8347) are also included in this category.

Table 4.15. Thyroid (C73)

1 Carcinoma

1.1 Follicular carcinoma

1.2 Papillary carcinoma

1.3 Medullary carcinoma

1.4 Anaplastic carcinoma

1.5 Other specified carcinoma

1.6 Unspecified carcinoma

2 Sarcoma

3 Other specified malignant neoplasm

4 Unspecified malignant neoplasm

8010-8576

8290, 8330-8335

8050, 8260, 8340-8344, 8350, 8450-8460

8345, 8510-8513

8020-8035

8010-8015

8800-8811, 8830, 8840-8921, 8990-8991,

9040-9044, 9120-9133, 9150, 9540-9581

8000-8005

HAEMATOPOIETIC AND LYMPHOID TISSUES (9590-9989)

Hodgkin lymphoma has been reclassified, and the previous category "Lymphocytic predominance" (9657–9659, 9660) has been replaced by the new categories "Nodular lymphocytic predominance"

(9659) and "Classical lymphocyte-rich" (9651). The category "Non-Hodgkin lymphoma NOS" is used because some cancer registries lack sufficiently specific data for lineage-based classification.

Table 4.16. Haematopoietic and lymphoid tissues (9590–9989)		
 1 Hodgkin lymphoma 1.1 Nodular lymphocytic predominance 1.2 Classical lymphocyte-rich 1.3 Nodular sclerosis 1.4 Mixed cellularity 1.5 Lymphocytic depletion 1.6 Unspecified 	9650–9667 9659 9651 9663–9667 9652 9653–9655	
2 B-cell neoplasms	9670–9699, 9728, 9731–9734, 9761–9764, 9823–9826, 9833, 9836, 9940	
3 T-cell and NK-cell neoplasms	9700–9719, 9729, 9827–9831, 9834, 9837, 9948	
4 Myeloid neoplasms	9840, 9860–9931, 9945–9946, 9950, 9960–9964, 9975, 9980–9989	
5 Non-Hodgkin lymphoma NOS	9591	
6 Other specified malignant neoplasms		
7 Unspecified malignant neoplasms	9590, 9596, 9727, 9760, 9800–9801, 9805, 9820, 9832, 9835	

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