S5.01 The WHO disease subtype must be recorded where relevant (refer to Appendix 4).

Appendix 4 WHO classification of tumours of Haematopoietic and Lymphoid Tissues\textsuperscript{20}

Incorporating updated ICD-O-3 morphology codes approved by the IARC/WHO committee as at 1 September 2011 and published online at http://www.who.int/classifications/icd/updates/ICDO3Updates2011.pdf

A pathology report of any notifiable haematological condition from any specimen (that is, the condition is regarded as malignant and has a morphology code ending in /3) must be notified to the Cancer Registry.

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycythaemia vera</td>
<td>9950/3</td>
<td></td>
</tr>
<tr>
<td>Myeloproliferative neoplasm, NOS</td>
<td>9960/3</td>
<td></td>
</tr>
<tr>
<td>Chronic myelogenous leukaemia, \textit{BCR-ABL1} positive</td>
<td>9875/3</td>
<td></td>
</tr>
<tr>
<td>Chronic neutrophilic leukaemia</td>
<td>9963/3</td>
<td></td>
</tr>
<tr>
<td>Primary myelofibrosis</td>
<td>9961/3</td>
<td></td>
</tr>
<tr>
<td>Essential thrombocythaemia</td>
<td>9962/3</td>
<td></td>
</tr>
<tr>
<td>Chronic eosinophilic leukaemia, NOS</td>
<td>9964/3</td>
<td></td>
</tr>
<tr>
<td>Myeloproliferative neoplasm, unclassifiable</td>
<td>9975/3</td>
<td></td>
</tr>
</tbody>
</table>

**Mastocytosis**
- Cutaneous mastocytosis: 9740/1
  - Extracutaneous mastocytoma: 9740/1
- Systemic mastocytosis: 9741/3
  - Systemic mastocytosis with AHNMD: 9741/3
  - Aggressive systemic mastocytosis: 9741/3
- Mast cell leukaemia: 9742/3
- Mast cell sarcoma: 9740/3

**Myeloid and Lymphoid Neoplasms with Eosinophilia and Abnormalities of \textit{PDGFA, PDGFB} and \textit{FGFR1}**
- Myeloid and lymphoid neoplasms with \textit{PDGFA} rearrangement: 9965/3
- Myeloid neoplasms with \textit{PDGFB} rearrangement: 9966/3
- Myeloid and lymphoid neoplasms with \textit{FGFR1} abnormalities: 9967/3

**Myelodysplastic/Myzelo proliferative Neoplasms**
- Chronic myelomonocytic leukaemia: 9945/3
- Atypical chronic myeloid leukaemia, \textit{BCR-ABL1} negative: 9876/3
- Juvenile myelomonocytic leukaemia: 9946/3
- Myelodysplastic/myeloproliferative neoplasm, unclassifiable: 9975/3
- Refractory anaemia with ring sideroblasts associated with marked thrombocytosis: 9982/3

**Myelodysplastic Syndromes**
- Refractory cytopenia with unilineage dysplasia: 9980/3
- Refractory anaemia: 9991/3
- Refractory neutropenia: 9992/3
- Refractory thrombocytopenia: 9982/3
- Refractory anaemia with ring sideroblasts: 9982/3
ACUTE MYELOID LEUKAEMIA (AML) AND RELATED PRECURSOR NEOPLASMS

AML with recurrent genetic abnormalities

9896/3 Acute myeloid leukaemia with t(8;21)(q22;q22); RUNX1-RUNX1T1
9871/3 Acute myeloid leukaemia with inv(16)(p13.1q22) or t(16;16)(p13.1;q22); CBF3-MYH11
9866/3 Acute promyelocytic leukaemia with t(15;17)(q22;q12); PML-RARA
9897/3 Acute myeloid leukaemia with t(9;11)(p22;q23); MLL3-MLL
9865/3 Acute myeloid leukaemia with t(6;9)(p23;q34); DEK-NUP214
9869/3 Acute myeloid leukaemia with inv(3)(q21q26.2) or t(3;3)(q21;q26.2); RPN1-EVI1
9911/3 Acute myeloid leukaemia (megakaryoblastic) with t(1;22)(p13;q13); RBM15-MKL1
9861/3 AML with mutated NPM1
9861/3 AML with mutated CEBPA
9895/3 Acute myeloid leukaemia (AML) with myelodysplasia-related changes
9920/3 Therapy-related myeloid neoplasms

9861/3 Acute myeloid leukaemia, NOS
9872/3 Acute myeloid leukaemia with minimal differentiation
9873/3 Acute myeloid leukaemia without maturation
9874/3 Acute myeloid leukaemia with maturation
9867/3 Acute myelomonocytic leukaemia
9891/3 Acute monoblastic and monocytic leukaemia
9840/3 Acute erythroid leukaemia
9910/3 Acute megakaryoblastic leukaemia
9870/3 Acute basophilic leukaemia
9931/3 Acute panmyelosis with myelofibrosis
9930/3 Myeloid sarcoma

Myeloid proliferations related to Down Syndrome
9898/1 Transient abnormal myelopoiesis
9898/3 Myeloid leukaemia associated with Down syndrome
9727/3 Blastic plasmacytoid dendritic cell neoplasm

ACUTE LEUKAEMIAS OF AMBIGUOUS LINEAGE

9801/3 Acute undifferentiated leukaemia
9806/3 Mixed phenotype acute leukaemia with t(9;22)(q34;q11.2); BCR-ABL1
9807/3 Mixed phenotype acute leukaemia with t(v;11q23); MLL rearranged
9808/3 Mixed phenotype acute leukaemia, B/myeloid, NOS
9809/3 Mixed phenotype acute leukaemia, T/myeloid, NOS
  Natural killer (NK) cell lymphoblastic leukaemia/lymphoma

PRECURSOR LYMPHOID NEOPLASMS

B lymphoblastic leukaemia/lymphoma
9811/3 B lymphoblastic leukaemia/lymphoma, NOS
9812/3 B lymphoblastic leukaemia/lymphoma with recurrent genetic abnormalities
9813/3 B lymphoblastic leukaemia/lymphoma with t(12;21)(p13;q22); TEL-AML1 (ETV6-RUNX1)
9814/3 B lymphoblastic leukaemia/lymphoma with hyperdiploidy
9815/3 B lymphoblastic leukaemia/lymphoma with hyperdiploidy
B lymphoblastic leukaemia/lymphoma with hypodiploidy (hypodiploid ALL)
B lymphoblastic leukaemia/lymphoma with t(5;14)(q31;q32) IL3-IGH
B lymphoblastic leukaemia/lymphoma with t(1;19)(q23;p13.3); E2A-PBX1 (TCF3-PBX1)

T Lymphoblastic leukaemia/lymphoma

MATURE B-CELL NEOPLASMS

Chronic lymphocytic leukaemia / small lymphocytic lymphoma
B-cell prolymphocytic leukaemia
Splenic marginal zone lymphoma
Hairy cell leukaemia
Splenic B-cell lymphoma/leukaemia, unclassifiable
Splenic diffuse red pulp small B-cell lymphoma
Hairy cell leukaemia-variant
Lymphoplasmacytic lymphoma
Waldenström macroglobulinemia
Heavy chain diseases
Alpha heavy chain disease
Gamma heavy chain disease
Mu heavy chain disease
Plasma cell myeloma
Asymptomatic (smoldering) myeloma
Non-secretory myeloma
Plasma cell leukaemia
Solitary plasmacytoma of bone
Extraosseous plasmacytoma
Extranodal marginal zone lymphoma of mucosa-associated lymphoid tissue (MALT lymphoma)
Nodal marginal zone lymphoma
Paediatric nodal marginal zone lymphoma
Follicular lymphoma
Paediatric follicular lymphoma
Intrafollicular neoplasia/"in situ" follicular lymphoma
Primary cutaneous follicle centre lymphoma
Mantle cell lymphoma
Diffuse large B-cell lymphoma (DLBCL), NOS
T-cell/histiocyte rich large B-cell lymphoma
Primary DLBCL of the central nervous system (CNS)
Primary cutaneous DLBCL, leg type
Epstein-Barr virus (EBV) positive diffuse large B-cell lymphoma of the elderly
DLBCL associated with chronic inflammation
Lymphomatoid granulomatosis
Primary mediastinal (thymic) large B-cell lymphoma
Intravascular large B-cell lymphoma
ALK positive large B-cell lymphoma
Plasmablastic lymphoma
Large B-cell lymphoma arising in HHV8-associated multicentric Castleman disease
Primary effusion lymphoma
Burkitt lymphoma
Primary effusion lymphoma
B-cell lymphoma, unclassifiable, with features intermediate between diffuse large B-cell lymphoma and Burkitt lymphoma
B-cell lymphoma, unclassifiable, with features intermediate between diffuse large B-cell lymphoma and classical Hodgkin lymphoma
MATURE T-CELL AND NK-CELL NEOPLASMS
9834/3 T-cell prolymphocytic leukaemia
9831/3 T-cell large granular lymphocytic leukaemia
9831/3 Chronic lymphoproliferative disorder of NK-cells
9948/3 Aggressive NK-cell leukaemia
9724/3 Systemic EBV+ T-cell lymphoproliferative disease of childhood
9725/3 Hydroa vacciniforme-like lymphoma
9827/3 Adult T-cell leukaemia/lymphoma
9719/3 Extranasal NK/T cell lymphoma, nasal type
9717/3 Enteropathy-associated T-cell lymphoma
9716/3 Hepatosplenic T-cell lymphoma
9708/3 Subcutaneous panniculitis-like T-cell lymphoma
9700/3 Mycosis fungoides
9701/3 Sézary syndrome
Primary cutaneous CD30 positive T-cell lymphoproliferative disorders
9718/1 Lymphomatoid papulosis
9718/3 Primary cutaneous anaplastic large cell lymphoma
9726/3 Primary cutaneous gamma-delta T-cell lymphoma
9709/3 Primary cutaneous CD8 positive aggressive epidermotropic cytotoxic T-cell lymphoma
9709/3 Primary cutaneous CD4 positive small/medium T-cell lymphoma
9702/3 Peripheral T-cell lymphoma, (NOS)
9705/3 Angioimmunoblastic T-cell lymphoma
9714/3 Anaplastic large cell lymphoma, ALK positive
9702/3 Anaplastic large cell lymphoma, ALK negative

HODGKIN LYMPHOMA
9659/3 Nodular lymphocyte predominant Hodgkin lymphoma
9650/3 Classical Hodgkin lymphoma
9663/3 Nodular sclerosis classical Hodgkin lymphoma
9651/3 Lymphocyte-rich classical Hodgkin lymphoma
9652/3 Mixed cellularity classical Hodgkin lymphoma
9653/3 Lymphocyte-depleted classical Hodgkin lymphoma

HISTIOCYTIC AND DENDRITIC CELL NEOPLASMS
9755/3 Histiocytic sarcoma
9751/3 Langerhans cell histiocytosis
9756/3 Langerhans cell sarcoma
9757/3 Interdigitating dendritic cell sarcoma
9758/3 Follicular dendritic cell sarcoma
9759/3 Fibroblastic reticular cell tumour
9757/3 Indeterminate dendritic cell tumour
  Disseminated juvenile xanthogranuloma

POST-TRANSPLANT LYMPHOPROLIFERATIVE DISORDERS (PTLD)
Early lesions
  9971/1 Plasmacytic hyperplasia
  9971/1 Infectious mononucleosis-like PTLD
9791/3 Polymorphic PTLD
Monomorphic PTLD (B- and T/NK-cell types) *
9650/3 Classical Hodgkin lymphoma type PTLD *

The italicized numbers are provisional codes for the 4th edition of ICD-O. While they are expected to be incorporated in the next ICD-O edition, they currently remain subject to change.
The italicized histologic types are provisional entities for which the WHO Working Group felt there was insufficient evidence to recognize as distinct diseases at this time.
*These lesions are classified according to the leukaemia or lymphoma to which they correspond and are assigned the respective ICD-O code.