

Supplemental Table 1: International Classification of Diseases for Oncology, 3rd Ed. Codes for each cancer site used in ascertainment of primary incident invasive cancers across cohorts. This coding was developed from Moore et al.<sup>3</sup>

Cancer site	ICD-O-3 codes and, if applicable, ICD-O-3 histology <sup>†</sup>
Esophageal adenocarcinoma	C150-159& histologies: 8140, 8142, 8144, 8261, 8310, 8480, 8481, 8570
Gallbladder	C239
Liver*	C220 and C221
Lung	C340-C349
Kidney	C649 and C659
Small intestine	C170-179
Gastric cardia	C160
Endometrial	C540-C549 and C559
Esophageal squamous	C150-159 and histologies 8041, 8070-8072, 8074
Myeloid leukemia	Acute myeloid leukemia: any histology of 9840, 9861, 9865-9867, 9869, 9871-9874, 9895-9898, 9910-9911, 9920 Acute monocytic leukemia: any histology of 9891 Chronic myeloid leukemia: any histology of 9863, 9875-9876, 9945-9946 Other myeloid/monocytic leukemia: any histology of 9860, 9930
Myeloma	Any histology of 9731-9732, 9734
Colon	C180-C189, C260
Head and neck	Lip: C000-C009 Tongue: C019-C029 Salivary gland: C079-C089 Floor of mouth: C040-C049 Gum and other mouth: C030-C039, C050-C059, C060-C069 Nasopharynx: C110-C119 Tonsil: C090-C099 Oropharynx: C100-C109 Hypopharynx: C129, C30-C139 Other oral cavity and pharynx: C140, C142, C148 Larynx: C320-C329
Rectum	C199, C209
Bladder	C670-C679
Breast	C500-C509
Non-Hodgkin's Lymphoma (NHL)	NHL-nodal: C024, C098, C099, C111, C142, C379, C422, C770-C779 and histologies: 9590-9597, 9670-9671, 9673, 9675, 9678-9680, 9684,

	9687-9691, 9695, 9698-9702, 9705, 9708, 9709, 9712, 9714-9719, 9724-9729, 9735, 9737, 9738, 9811-9818, 9823, 9827, 9837
	NHL-extranodal, definition 1: All sites except C024, C098-C099, C111, C142, C379, C422, C770-C779 and histologies of: 9590-9597, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9688, 9689-9691, 9695, 9698-9702, 9705, 9708, 9709, 9712, 9714-9719, 9724-9729, 9735, 9737, 9738
	NHL-extranodal, definition 2: All sites except C024, C098, C099, C111, C142, C379, C420-C422, C424, C770-C779 and histologies of: 9811-9818, 9823, 9827, 9837
Thyroid	C739
Gastric non-cardia	C161-169
Soft tissue	C380, C470-C479, C490-C499
Pancreas	C250-C259
Lymphocytic leukemia	Acute lymphocytic leukemia, definition 1: Any histology of 9826, 9835-9836 Acute lymphocytic leukemia, definition 2: C420, C421, C424 and histologies: 9811-9818, 9837 Chronic lymphocytic leukemia: C420, C421, C424 and histology 9823 Other lymphocytic leukemia: Any histology of 9820, 9832-9834, 9940.
Ovary	C569
Brain	C710-C719
Prostate†	C619
Skin cancer, excluding basal and squamous	Melanoma: C440-C449 and histologies 8720-8790 Other non-epithelial skin: C440-C449, excluding histologies 8000-8005, 8010-8046, 8050-8084, 8090-8110, 8720-8790, 9050-9055, 9140, 9590-9992

\* A small proportion of the liver cancer classification consists of intrahepatic bile duct cancer cases.

† A small proportion of the kidney cancer classification consists of renal pelvis cancer cases.

‡ Unless otherwise stated, cancer definitions exclude the histologies 9050-9055, 9140, and 9590-9992.