### Appendix 4. List of excluded conditions

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| **Disease name** | **Disease group** | **Primary code list source was Kuan et al** | **Exclusion reason** |
| Adrenal adenoma | Diseases of the Endocrine System |  | Code list unavailable |
| Osteonecrosis | Musculoskeletal conditions |  | Code list unavailable |
| Paget’s Disease | Musculoskeletal conditions |  | Code list unavailable |
| Toxoplasmosis | Infectious Diseases |  | Code list unavailable |
| Biliary duct strictures | Diseases of the Digestive System |  | Code list unavailable |
| Vitamin D deficiency | Diseases of the Endocrine System |  | Available codes do not capture fully; need prescriptions and test results too |
| Post cricoid web | Diseases of the Digestive System |  | Code list unavailable |
| Thrombocytosis | Haematological/Immunological conditions |  | Symptom, not disease |
| Pancreatic duct dilatation | Diseases of the Digestive System |  | Code list unavailable |
| Hydrosalpinx | Diseases of the Genitourinary system |  | Code list unavailable |
| Plantar fasciitis | Musculoskeletal conditions |  | Code list unavailable |
| Small bowel stricture | Diseases of the Digestive System |  | Code list unavailable |
| Vertebral fractures | Musculoskeletal conditions |  | Code list unavailable |
| Pelvic cysts | Diseases of the Genitourinary system |  | Code list unavailable |
| Gastric intestinal metaplasia | Diseases of the Digestive System |  | Code list unavailable |
| Liver lesions | Benign Neoplasm/CIN |  | Code list unavailable |
| EBV | Infectious Diseases |  | Code list unavailable |
| Cauda equina/cord compression | Musculoskeletal conditions |  | Code list unavailable |
| Sacroillitis | Musculoskeletal conditions |  | Code list unavailable |
| Benign/indeterminate lung changes | Benign Neoplasm/CIN |  | Code list unavailable |
| Fractured neck of femur | Musculoskeletal conditions |  | Code list unavailable |
| Para-thyroid adenoma | Diseases of the Endocrine System |  | Code list unavailable |
| Hip labral tear | Musculoskeletal conditions |  | Code list unavailable |
| Acromegaly | Diseases of the Endocrine System |  | Code list unavailable |
| Cushing's syndrome | Diseases of the Endocrine System |  | Code list unavailable |
| Hypopituitarism | Diseases of the Endocrine System |  | Code list unavailable |
| Vasculitis/CT disorders | Musculoskeletal conditions |  | Code list unavailable |
| Heavy metal toxicity | Haematological/Immunological conditions |  | Code list unavailable |
| Appendix mucocele | Diseases of the Digestive System |  | Code list unavailable |
| Q fever | Infectious Diseases |  | Code list unavailable |
| Haemochromatosis | Haematological/Immunological conditions |  | Code list unavailable |
| Mesenteric panniculitis | Diseases of the Digestive System |  | Code list unavailable |
| Brucellosis | Infectious Diseases |  | Code list unavailable |
| Gallbladder polyps | Diseases of the Digestive System |  | Code list unavailable |
| Addison’s disease | Diseases of the Endocrine System |  | Code list unavailable |
| Thoracic outlet syndrome | Diseases of the Circulatory System |  | Code list unavailable |
| Benign bony lesions | Benign Neoplasm/CIN |  | Code list unavailable |
| Raised SFLC/paraproteins | Haematological/Immunological conditions |  | Code list unavailable |
| Pancreatic cysts/lesions | Benign Neoplasm/CIN |  | Code list unavailable |
| Myometrium adenomyosis | Diseases of the Genitourinary system |  | Code list unavailable |
| Cytomegalovirus | Infectious Diseases |  | Code list unavailable |
| Secondary pulmonary hypertension | Diseases of the Circulatory System | y | Not incident disease |
| Cystic fibrosis | Diseases of the Endocrine System | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Obesity | Diseases of the Endocrine System | y | Symptom, not disease |
| Postcoital and contact bleeding | Diseases of the Genitourinary system | y | Symptom, not disease |
| Postmenopausal bleeding | Diseases of the Genitourinary system | y | Symptom, not disease |
| Undescended testicle | Diseases of the Genitourinary system | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Pulmonary collapse (excl pneumothorax) | Diseases of the Respiratory System | y | Symptom, not disease |
| Secondary polycythaemia | Haematological/Immunological conditions | y | Not incident disease |
| Hyposplenism | Haematological/Immunological conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Primary or Idiopathic Thrombocytopaenia | Haematological/Immunological conditions | y | Symptom, not disease |
| Secondary or other Thrombocytopaenia | Haematological/Immunological conditions | y | Symptom, not disease |
| Sickle-cell trait | Haematological/Immunological conditions | y | Symptom, not disease |
| Splenomegaly | Haematological/Immunological conditions | y | Symptom, not disease |
| Thalassaemia trait | Haematological/Immunological conditions | y | Symptom, not disease |
| Thrombophilia | Haematological/Immunological conditions | y | Symptom, not disease |
| Intellectual disability | Mental Health Disorders | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Juvenile arthritis | Musculoskeletal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Cerebral Palsy | Neurological conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Diabetic neurological complications | Neurological conditions | y | Not incident disease |
| Congenital malformations of cardiac septa | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Down's syndrome | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| High birth weight | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Intrauterine hypoxia | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Slow fetal growth or low birth weight | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Neonatal jaundice (excl haemolytic dz of the newborn) | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Patent ductus arteriosus | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Post-term infant | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Prematurity | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Respiratory distress of newborn | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Bacterial sepsis of newborn | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |
| Spina bifida | Perinatal conditions | y | Age-irrelevant (e.g. usually diagnosed in childhood) |