Supplemental Digital Content 2, Table. *International Classification of Diseases, Ninth Revision, Clinical Modification* codes used for identifying underlying disorders of *pneumocystis* infection

Human immunodeficiency virus infection	042, V08, 079.53
Hematologic malignancy (lymphoma, leukemia, and myelodysplastic syndrome)	200, 201, 202.0, 202.1, 202.2, 202.4, 202.7, 202.8, 202.9, 203, 204, 205, 206, 207.0, 207.2, 207.8, 208, 238.7, V10.6, V10.7
Primary immunodeficiency (severe combined immunodeficiency [SCID], hyper immunoglobulin [Ig] M syndrome, hyper IgE syndrome, DiGeorge syndrome, ataxia telangiectasia, Wiskott-Aldrich syndrome, Nezelof syndrome, congenital agammaglobulinemia, immunodeficiency with T-cell defects, chronic granulomatous disease, selective IgM deficiency, selective IgA deficiency, and common variable immune deficiency)	279.01, 279.02, 279.04, 279.05, 279.06, 279.1, 279.2, 288.1, 334.8
Hematopoietic stem cell transplant	V42.81, V42.82, 996.85, 996.88
Solid organ transplant (heart, liver, kidney, lung, pancreas, and intestine)	V42.0, V42.1, V42.2, V42.4, V42.6, V42.7, V42.83, V42.84, V42.89, 996.80, 996.81, 996.82, 996.83, 996.84, 996.86, 996.87
Solid organ malignant tumor (gastrointestinal tract, hepatobiliary tract, pancreas, respiratory tract, musculoskeletal, skin, urogenital, and endocrine including neuroblastoma)	140-171, 174-199, V10.0-5,8,9
Autoimmune and chronic inflammatory disorders (systemic lupus erythematosus, juvenile idiopathic arthritis, dermatomyositis, polymyositis, systemic sclerosis, polyarteritis nodosa, Goodpasture syndrome, granulomatosis and polyangiitis or Wegener granulomatosis, Behçet disease, demyelinating central nervous system disease, inflammatory bowel disease, and sarcoidosis)	710.0-4, 710.8-9, 279.4, 135, 136.1, 283.0, 340, 341, 714.0-3, 446.0, 446.21, 446.4, 446.5, 446.7, 555, 556