

Supplemental Table 1. Diagnostic Codes

Condition	ICD-9 Diagnostic Code
Primary immunodeficiency (PID), inclusion criteria	
Autoinflammatory Diseases	279.9, 277.31, 710.8
Combined immunodeficiencies with associated or syndromic features (includes ataxia-telangiectasia)	279.12, 279.2, 362.15, 757.39
Complement deficiencies	279.8
Congenital defects of phagocyte number or function	288.01, 288.2, 289.89, 516.0
Defects in Intrinsic and Innate Immunity	279.9, 288.2
Diseases of Immune Dysregulation	238.79, 279.9, 288.4
Immunodeficiencies affecting cellular and humoral immunity	279.05, 279.2, 279 (279.0-3, 279.41)
Predominantly Antibody Deficiencies	279.00, 279.01, 279.02, 279.03, 279.04, 279.05, 279.06
Granuloma	
Skin	686.1
Foreign body	709.4
Orbital or conjunctival	376.11, 372.61
Giant Cell	526.3
Muscle	728.82
Lethal midline	446.3
Secondary Immune Deficiencies	
HIV	042
Solid organ tumors	140.x-199.x
Lymphoid tumors	200.xx-203.xx
Chronic leukemias	204.xx-207.xx
Nutritional deficiencies	260.x-269.x
Other metabolic disorders or immune disease	270.x-273.x
Organ/Tissue Replacement	V42.xx