Chapter 3

Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)

Excludes2: autoimmune disease (systemic) NOS (M35.9)
certain conditions originating in the perinatal period (P00-P96)
complications of pregnancy, childbirth and the puerperium (O00-O9A)
congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E88)
human immunodeficiency virus [HIV] disease (B20)
injury, poisoning and certain other consequences of external causes (S00-T88)
neoplasms (C00-D49)
symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R94)

This chapter contains the following blocks:

D50-D53	Nutritional anemias
D55-D59	Hemolytic anemias
D60-D64	Aplastic and other anemias and other bone marrow failure syndromes
D65-D69	Coagulation defects, purpura and other hemorrhagic conditions
D70-D77	Other disorders of blood and blood-forming organs
D78	Intraoperative and postprocedural complications of the spleen
D80-D89	Certain disorders involving the immune mechanism

Nutritional anemias (D50-D53)

D50 Iron deficiency anemia

Includes: asiderotic anemia
hypochromic anemia

D50.0 Iron deficiency anemia secondary to blood loss (chronic)
Posthemorrhagic anemia (chronic)

Excludes1: acute posthemorrhagic anemia (D62)
congenital anemia from fetal blood loss (P61.3)

D50.1 Sideropenic dysphagia
Kelly-Paterson syndrome
Plummer-Vinson syndrome

D50.8 Other iron deficiency anemias
Iron deficiency anemia due to inadequate dietary iron intake

D50.9 Iron deficiency anemia, unspecified

D51 Vitamin B12 deficiency anemia

Excludes1: vitamin B12 deficiency (E53.8)

D51.0 Vitamin B12 deficiency anemia due to intrinsic factor deficiency
Addison anemia
Biermer anemia
Pernicious (congenital) anemia
Congenital intrinsic factor deficiency

D51.1 Vitamin B12 deficiency anemia due to selective vitamin B12 malabsorption with proteinuria
Imerslund (Gräsbeck) syndrome
Megaloblastic hereditary anemia

D51.2 Transcobalamin II deficiency

D51.3 Other dietary vitamin B12 deficiency anemia
Vegan anemia

D51.8 Other vitamin B12 deficiency anemias

D51.9 Vitamin B12 deficiency anemia, unspecified

D52 Folate deficiency anemia

Excludes1: folate deficiency without anemia (E53.8)

D52.0 Dietary folate deficiency anemia
Nutritional megaloblastic anemia

D52.1 Drug-induced folate deficiency anemia

Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)

D52.8 Other folate deficiency anemias

D52.9 Folate deficiency anemia, unspecified
Folic acid deficiency anemia NOS

D53 Other nutritional anemias

Includes: megaloblastic anemia unresponsive to vitamin B12 or folate therapy

D53.0 Protein deficiency anemia
Amino-acid deficiency anemia
Orotaciduric anemia

Excludes1: Lesch-Nyhan syndrome (E79.1)

D53.1 Other megaloblastic anemias, not elsewhere classified
Megaloblastic anemia NOS

Excludes1: Di Guglielmo's disease (C94.0)

D53.2 Scorbutic anemia

Excludes1: scurvy (E54)

D53.8 Other specified nutritional anemias
Anemia associated with deficiency of copper
Anemia associated with deficiency of molybdenum
Anemia associated with deficiency of zinc

Excludes1: nutritional deficiencies without anemia, such as:
copper deficiency NOS (E61.0)
molybdenum deficiency NOS (E61.5)
zinc deficiency NOS (E60)

D53.9 Nutritional anemia, unspecified
Simple chronic anemia

Excludes1: anemia NOS (D64.9)

Hemolytic anemias (D55-D59)

D55 Anemia due to enzyme disorders

Excludes1: drug-induced enzyme deficiency anemia (D59.2)

D55.0 Anemia due to glucose-6-phosphate dehydrogenase [G6PD] deficiency

Favism
G6PD deficiency anemia

D55.1 Anemia due to other disorders of glutathione metabolism

Anemia (due to) enzyme deficiencies, except G6PD, related to the hexose monophosphate [HMP] shunt pathway
Anemia (due to) hemolytic nonspherocytic (hereditary), type I

D55.2 Anemia due to disorders of glycolytic enzymes

Hemolytic nonspherocytic (hereditary) anemia, type II
Hexokinase deficiency anemia
Pyruvate kinase [PK] deficiency anemia
Triose-phosphate isomerase deficiency anemia

Excludes1: disorders of glycolysis not associated with anemia (E74.8)

D55.3 Anemia due to disorders of nucleotide metabolism

D55.8 Other anemias due to enzyme disorders

D55.9 Anemia due to enzyme disorder, unspecified

D56 Thalassemia

Excludes1: sickle-cell thalassemia (D57.4-)

D56.0 Alpha thalassemia

Alpha thalassemia major
Hemoglobin H Constant Spring
Hemoglobin H disease
Hydrops fetalis due to alpha thalassemia
Severe alpha thalassemia
Triple gene defect alpha thalassemia

Use additional code, if applicable, for hydrops fetalis due to alpha thalassemia (P56.99)

Excludes1: alpha thalassemia trait or minor (D56.3)
asymptomatic alpha thalassemia (D56.3)
hydrops fetalis due to isoimmunization (P56.0)
hydrops fetalis not due to immune hemolysis (P83.2)

D56.1 Beta thalassemia

Beta thalassemia major
Cooley's anemia
Homozygous beta thalassemia
Severe beta thalassemia
Thalassemia intermedia
Thalassemia major

Excludes1: beta thalassemia minor (D56.3)
beta thalassemia trait (D56.3)
delta-beta thalassemia (D56.2)
hemoglobin E-beta thalassemia (D56.5)
sickle-cell beta thalassemia (D57.4-)

D56.2 Delta-beta thalassemia

Homozygous delta-beta thalassemia

Excludes1: delta-beta thalassemia minor (D56.3)
delta-beta thalassemia trait (D56.3)

D56.3 Thalassemia minor

Alpha thalassemia minor
Alpha thalassemia silent carrier
Alpha thalassemia trait
Beta thalassemia minor
Beta thalassemia trait
Delta-beta thalassemia minor
Delta-beta thalassemia trait
Thalassemia trait NOS

Excludes1: alpha thalassemia (D56.0)
beta thalassemia (D56.1)
delta-beta thalassemia (D56.2)
hemoglobin E-beta thalassemia (D56.5)
sickle-cell trait (D57.3)

D56.4 Hereditary persistence of fetal hemoglobin [HPFH]

D56.5 Hemoglobin E-beta thalassemia

Excludes1: beta thalassemia (D56.1)
beta thalassemia minor (D56.3)
beta thalassemia trait (D56.3)
delta-beta thalassemia (D56.2)
delta-beta thalassemia trait (D56.3)
hemoglobin E disease (D58.2)
other hemoglobinopathies (D58.2)
sickle-cell beta thalassemia (D57.4-)

D56.8 Other thalassemias

Dominant thalassemia
Hemoglobin C thalassemia
Mixed thalassemia
Thalassemia with other hemoglobinopathy

Excludes1: hemoglobin C disease (D58.2)
hemoglobin E disease (D58.2)
other hemoglobinopathies (D58.2)
sickle-cell anemia (D57.-)
sickle-cell thalassemia (D57.4)

D56.9 Thalassemia, unspecified

Mediterranean anemia (with other hemoglobinopathy)

D57 Sickle-cell disorders

Use additional code for any associated fever (R50.81)

Excludes1: other hemoglobinopathies (D58.-)

D57.0 Hb-SS disease with crisis

Sickle-cell disease NOS with crisis
Hb-SS disease with vasoocclusive pain

D57.00 Hb-SS disease with crisis, unspecified

D57.01 Hb-SS disease with acute chest syndrome

D57.02 Hb-SS disease with splenic sequestration

D57.1 Sickle-cell disease without crisis

Hb-SS disease without crisis

Sickle-cell anemia NOS
Sickle-cell disease NOS
Sickle-cell disorder NOS

D57.2 Sickle-cell/Hb-C disease
Hb-SC disease
Hb-S/Hb-C disease

D57.20 Sickle-cell/Hb-C disease without crisis

D57.21 Sickle-cell/Hb-C disease with crisis

D57.211 Sickle-cell/Hb-C disease with acute chest syndrome

D57.212 Sickle-cell/Hb-C disease with splenic sequestration

D57.219 Sickle-cell/Hb-C disease with crisis, unspecified
Sickle-cell/Hb-C disease with crisis NOS

D57.3 Sickle-cell trait
Hb-S trait
Heterozygous hemoglobin S

D57.4 Sickle-cell thalassemia
Sickle-cell beta thalassemia
Thalassemia Hb-S disease

D57.40 Sickle-cell thalassemia without crisis
Microdrepanocytosis
Sickle-cell thalassemia NOS

D57.41 Sickle-cell thalassemia with crisis
Sickle-cell thalassemia with vasoocclusive pain

D57.411 Sickle-cell thalassemia with acute chest syndrome

D57.412 Sickle-cell thalassemia with splenic sequestration

D57.419 Sickle-cell thalassemia with crisis, unspecified
Sickle-cell thalassemia with crisis NOS

D57.8 Other sickle-cell disorders
Hb-SD disease
Hb-SE disease

D57.80 Other sickle-cell disorders without crisis

D57.81 Other sickle-cell disorders with crisis

D57.811 Other sickle-cell disorders with acute chest syndrome

D57.812 Other sickle-cell disorders with splenic sequestration

D57.819 Other sickle-cell disorders with crisis, unspecified
Other sickle-cell disorders with crisis NOS

D58 Other hereditary hemolytic anemias

Excludes1: hemolytic anemia of the newborn (P55.-)

D58.0 Hereditary spherocytosis
Acholuric (familial) jaundice
Congenital (spherocytic) hemolytic icterus

Minkowski-Chauffard syndrome

D58.1 Hereditary elliptocytosis
Elliptocytosis (congenital)
Ovalocytosis (congenital) (hereditary)

D58.2 Other hemoglobinopathies
Abnormal hemoglobin NOS
Congenital Heinz body anemia
Hb-C disease
Hb-D disease
Hb-E disease
Hemoglobinopathy NOS
Unstable hemoglobin hemolytic disease

Excludes1: familial polycythemia (D75.0)
Hb-M disease (D74.0)
hemoglobin E-beta thalassemia (D56.5)
hereditary persistence of fetal hemoglobin [HPFH] (D56.4)
high-altitude polycythemia (D75.1)
methemoglobinemia (D74.-)
other hemoglobinopathies with thalassemia (D56.8)

D58.8 Other specified hereditary hemolytic anemias
Stomatocytosis

D58.9 Hereditary hemolytic anemia, unspecified

D59 Acquired hemolytic anemia

D59.0 Drug-induced autoimmune hemolytic anemia

Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)

D59.1 Other autoimmune hemolytic anemias
Autoimmune hemolytic disease (cold type) (warm type)
Chronic cold hemagglutinin disease
Cold agglutinin disease
Cold agglutinin hemoglobinuria
Cold type (secondary) (symptomatic) hemolytic anemia
Warm type (secondary) (symptomatic) hemolytic anemia

Excludes1: Evans syndrome (D69.41)
hemolytic disease of newborn (P55.-)
paroxysmal cold hemoglobinuria (D59.6)

D59.2 Drug-induced nonautoimmune hemolytic anemia
Drug-induced enzyme deficiency anemia

Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)

D59.3 Hemolytic-uremic syndrome

Use additional code to identify associated:
E. coli infection (B96.2-)
Pneumococcal pneumonia (J13)
Shigella dysenteriae (A03.9)

D59.4 Other nonautoimmune hemolytic anemias
Mechanical hemolytic anemia
Microangiopathic hemolytic anemia
Toxic hemolytic anemia

D59.5 Paroxysmal nocturnal hemoglobinuria [Marchiafava-Micheli]

Excludes1: hemoglobinuria NOS (R82.3)

D59.6 Hemoglobinuria due to hemolysis from other external causes
Hemoglobinuria from exertion
March hemoglobinuria
Paroxysmal cold hemoglobinuria

Use additional code (Chapter 20) to identify external cause

Excludes1: hemoglobinuria NOS (R82.3)

D59.8 Other acquired hemolytic anemias

D59.9 Acquired hemolytic anemia, unspecified
Idiopathic hemolytic anemia, chronic

Aplastic and other anemias and other bone marrow failure syndromes (D60-D64)

D60 Acquired pure red cell aplasia [erythroblastopenia]

Includes: red cell aplasia (acquired) (adult) (with thymoma)

Excludes1: congenital red cell aplasia (D61.01)

D60.0 Chronic acquired pure red cell aplasia

D60.1 Transient acquired pure red cell aplasia

D60.8 Other acquired pure red cell aplasias

D60.9 Acquired pure red cell aplasia, unspecified

D61 Other aplastic anemias and other bone marrow failure syndromes

Excludes1: neutropenia (D70.-)

D61.0 Constitutional aplastic anemia

D61.01 Constitutional (pure) red blood cell aplasia
Blackfan-Diamond syndrome
Congenital (pure) red cell aplasia
Familial hypoplastic anemia
Primary (pure) red cell aplasia
Red cell (pure) aplasia of infants

Excludes1: acquired red cell aplasia (D60.9)

D61.09 Other constitutional aplastic anemia
Fanconi's anemia
Pancytopenia with malformations

D61.1 Drug-induced aplastic anemia

Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)

D61.2 Aplastic anemia due to other external agents

Code first, if applicable, toxic effects of substances chiefly nonmedicinal as to source (T51-T65)

D61.3 Idiopathic aplastic anemia

D61.8 Other specified aplastic anemias and other bone marrow failure syndromes

D61.81 Pancytopenia

Excludes1: pancytopenia (due to) (with) aplastic anemia (D61.9)
pancytopenia (due to) (with) bone marrow infiltration (D61.82)
pancytopenia (due to) (with) congenital (pure) red cell aplasia (D61.01)
pancytopenia (due to) (with) hairy cell leukemia (C91.4-)
pancytopenia (due to) (with) human immunodeficiency virus disease (B20.-)
pancytopenia (due to) (with) leukoerythroblastic anemia (D61.82)
pancytopenia (due to) (with) myeloproliferative disease (D47.1)

Excludes2: pancytopenia (due to) (with) myelodysplastic syndromes (D46.-)

D61.810 Antineoplastic chemotherapy induced pancytopenia

Excludes2: aplastic anemia due to antineoplastic chemotherapy (D61.1)

D61.811 Other drug-induced pancytopenia

Excludes2: aplastic anemia due to drugs (D61.1)

D61.818 Other pancytopenia

D61.82 Myelophthisis
Leukoerythroblastic anemia
Myelophthisic anemia
Panmyelophthisis

Code also the underlying disorder, such as:
malignant neoplasm of breast (C50.-)
tuberculosis (A15.-)

Excludes1: idiopathic myelofibrosis (D47.1)
myelofibrosis NOS (D75.81)
myelofibrosis with myeloid metaplasia (D47.4)
primary myelofibrosis (D47.1)
secondary myelofibrosis (D75.81)

D61.89 Other specified aplastic anemias and other bone marrow failure syndromes

D61.9 Aplastic anemia, unspecified
Hypoplastic anemia NOS
Medullary hypoplasia

D62 Acute posthemorrhagic anemia

Excludes1: anemia due to chronic blood loss (D50.0)
blood loss anemia NOS (D50.0)
congenital anemia from fetal blood loss (P61.3)

D63 Anemia in chronic diseases classified elsewhere

D63.0 Anemia in neoplastic disease

Code first neoplasm (C00-D49)

Excludes1: aplastic anemia due to antineoplastic chemotherapy (D61.1)

Excludes2: anemia due to antineoplastic chemotherapy (D64.81)

D63.1 Anemia in chronic kidney disease
Erythropoietin resistant anemia (EPO resistant anemia)

Code first underlying chronic kidney disease (CKD) (N18.-)

D63.8 Anemia in other chronic diseases classified elsewhere

Code first underlying disease, such as:
diphyllobothriasis (B70.0)
hookworm disease (B76.0-B76.9)
hypothyroidism (E00.0-E03.9)
malaria (B50.0-B54)
symptomatic late syphilis (A52.79)
tuberculosis (A18.89)

D64 Other anemias

Excludes1: refractory anemia (D46.-)
refractory anemia with excess blasts in transformation [RAEB T] (C92.0-)

D64.0 Hereditary sideroblastic anemia
Sex-linked hypochromic sideroblastic anemia

D64.1 Secondary sideroblastic anemia due to disease

Code first underlying disease

D64.2 Secondary sideroblastic anemia due to drugs and toxins

Code first poisoning due to drug or toxin, if applicable (T36-T65 with fifth or sixth character 1-4 or 6)

Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)

D64.3 Other sideroblastic anemias
Sideroblastic anemia NOS
Pyridoxine-responsive sideroblastic anemia NEC

D64.4 Congenital dyserythropoietic anemia
Dyshematopoietic anemia (congenital)

Excludes1: Blackfan-Diamond syndrome (D61.01)
Di Guglielmo's disease (C94.0)

D64.8 Other specified anemias

D64.81 Anemia due to antineoplastic chemotherapy
Antineoplastic chemotherapy induced anemia

Excludes1: aplastic anemia due to antineoplastic chemotherapy (D61.1)

Excludes2: anemia in neoplastic disease (D63.0)

D64.89 Other specified anemias
Infantile pseudoleukemia

D64.9 Anemia, unspecified

Coagulation defects, purpura and other hemorrhagic conditions (D65-D69)

D65 Disseminated intravascular coagulation [defibrination syndrome]
Afibrinogenemia, acquired
Consumption coagulopathy
Diffuse or disseminated intravascular coagulation [DIC]
Fibrinolytic hemorrhage, acquired
Fibrinolytic purpura
Purpura fulminans

Excludes1: disseminated intravascular coagulation (complicating):

abortion or ectopic or molar pregnancy (O00-O07, O08.1)
in newborn (P60)
pregnancy, childbirth and the puerperium (O45.0, O46.0, O67.0, O72.3)

D66 Hereditary factor VIII deficiency
Classical hemophilia
Deficiency factor VIII (with functional defect)
Hemophilia NOS
Hemophilia A

Excludes1: factor VIII deficiency with vascular defect (D68.0)

D67 Hereditary factor IX deficiency
Christmas disease
Factor IX deficiency (with functional defect)
Hemophilia B
Plasma thromboplastin component [PTC] deficiency

D68 Other coagulation defects

Excludes1: abnormal coagulation profile (R79.1)
coagulation defects complicating abortion or ectopic or molar pregnancy (O00-O07, O08.1)
coagulation defects complicating pregnancy, childbirth and the puerperium (O45.0, O46.0, O67.0, O72.3)

D68.0 Von Willebrand's disease
Angiohemophilia
Factor VIII deficiency with vascular defect
Vascular hemophilia

Excludes1: capillary fragility (hereditary) (D69.8)
factor VIII deficiency NOS (D66)
factor VIII deficiency with functional defect (D66)

D68.1 Hereditary factor XI deficiency
Hemophilia C
Plasma thromboplastin antecedent [PTA] deficiency
Rosenthal's disease

D68.2 Hereditary deficiency of other clotting factors
AC globulin deficiency
Congenital afibrinogenemia
Deficiency of factor I [fibrinogen]
Deficiency of factor II [prothrombin]
Deficiency of factor V [labile]
Deficiency of factor VII [stable]
Deficiency of factor X [Stuart-Prower]
Deficiency of factor XII [Hageman]
Deficiency of factor XIII [fibrin stabilizing]
Dysfibrinogenemia (congenital)
Hypoproconvertinemia
Owren's disease
Proaccelerin deficiency

D68.3 Hemorrhagic disorder due to circulating anticoagulants

D68.31 Hemorrhagic disorder due to intrinsic circulating anticoagulants, antibodies, or inhibitors

D68.311 Acquired hemophilia
Autoimmune hemophilia
Autoimmune inhibitors to clotting factors
Secondary hemophilia

D68.312 Antiphospholipid antibody with hemorrhagic disorder
Lupus anticoagulant (LAC) with hemorrhagic disorder
Systemic lupus erythematosus [SLE] inhibitor with hemorrhagic disorder

Excludes1: antiphospholipid antibody, finding without diagnosis (R76.0)
antiphospholipid antibody syndrome (D68.61)
antiphospholipid antibody with hypercoagulable state (D68.61)
lupus anticoagulant (LAC) finding without diagnosis (R76.0)
lupus anticoagulant (LAC) with hypercoagulable state (D68.62)
systemic lupus erythematosus [SLE] inhibitor finding without diagnosis (R76.0)
systemic lupus erythematosus [SLE] inhibitor with hypercoagulable state (D68.62)

D68.318 Other hemorrhagic disorder due to intrinsic circulating anticoagulants, antibodies, or inhibitors
Antithromboplastinemia
Antithromboplastinogenemia
Hemorrhagic disorder due to intrinsic increase in antithrombin
Hemorrhagic disorder due to intrinsic increase in anti-VIIIa
Hemorrhagic disorder due to intrinsic increase in anti-IXa
Hemorrhagic disorder due to intrinsic increase in anti-XIa

D68.32 Hemorrhagic disorder due to extrinsic circulating anticoagulants
Drug-induced hemorrhagic disorder
Hemorrhagic disorder due to increase in anti-IIa
Hemorrhagic disorder due to increase in anti-Xa
Hyperheparinemia

Use additional code for adverse effect, if applicable, to identify drug (T45.515, T45.525)

D68.4 Acquired coagulation factor deficiency
Deficiency of coagulation factor due to liver disease
Deficiency of coagulation factor due to vitamin K deficiency

Excludes1: vitamin K deficiency of newborn (P53)

D68.5 Primary thrombophilia
Primary hypercoagulable states

Excludes1: antiphospholipid syndrome (D68.61)
lupus anticoagulant (D68.62)
secondary activated protein C resistance (D68.69)
secondary antiphospholipid antibody syndrome (D68.69)
secondary lupus anticoagulant with hypercoagulable state (D68.69)
secondary systemic lupus erythematosus [SLE] inhibitor with hypercoagulable state (D68.69)
systemic lupus erythematosus [SLE] inhibitor finding without diagnosis (R76.0)
systemic lupus erythematosus [SLE] inhibitor with hemorrhagic disorder (D68.312)
thrombotic thrombocytopenic purpura (M31.1)

D68.51 Activated protein C resistance
Factor V Leiden mutation

D68.52 Prothrombin gene mutation

D68.59 Other primary thrombophilia
Antithrombin III deficiency
Hypercoagulable state NOS
Primary hypercoagulable state NEC
Primary thrombophilia NEC
Protein C deficiency
Protein S deficiency

Thrombophilia NOS

D68.6 Other thrombophilia
Other hypercoagulable states

Excludes1: diffuse or disseminated intravascular coagulation [DIC] (D65)
heparin induced thrombocytopenia (HIT) (D75.82)
hyperhomocysteinemia (E72.11)

D68.61 Antiphospholipid syndrome
Anticardiolipin syndrome
Antiphospholipid antibody syndrome

Excludes1: anti-phospholipid antibody, finding without diagnosis (R76.0)
anti-phospholipid antibody with hemorrhagic disorder (D68.312)
lupus anticoagulant syndrome (D68.62)

D68.62 Lupus anticoagulant syndrome
Lupus anticoagulant
Presence of systemic lupus erythematosus [SLE] inhibitor

Excludes1: anticardiolipin syndrome (D68.61)
antiphospholipid syndrome (D68.61)
lupus anticoagulant (LAC) finding without diagnosis (R76.0)
lupus anticoagulant (LAC) with hemorrhagic disorder (D68.312)

D68.69 Other thrombophilia
Hypercoagulable states NEC
Secondary hypercoagulable state NOS

D68.8 Other specified coagulation defects

Excludes1: hemorrhagic disease of newborn (P53)

D68.9 Coagulation defect, unspecified

D69 Purpura and other hemorrhagic conditions

Excludes1: benign hypergammaglobulinemic purpura (D89.0)
cryoglobulinemic purpura (D89.1)
essential (hemorrhagic) thrombocythemia (D47.3)
hemorrhagic thrombocythemia (D47.3)
purpura fulminans (D65)
thrombotic thrombocytopenic purpura (M31.1)
Waldenström hypergammaglobulinemic purpura (D89.0)

D69.0 Allergic purpura
Allergic vasculitis
Nonthrombocytopenic hemorrhagic purpura
Nonthrombocytopenic idiopathic purpura
Purpura anaphylactoid
Purpura Henoch(-Schönlein)
Purpura rheumatica
Vascular purpura

Excludes1: thrombocytopenic hemorrhagic purpura (D69.3)

D69.1 Qualitative platelet defects
Bernard-Soulier [giant platelet] syndrome
Glanzmann's disease
Grey platelet syndrome
Thromboasthenia (hemorrhagic) (hereditary)

Thrombocytopathy

Excludes1: von Willebrand's disease (D68.0)

D69.2 Other nonthrombocytopenic purpura
Purpura NOS
Purpura simplex
Senile purpura

D69.3 Immune thrombocytopenic purpura
Hemorrhagic (thrombocytopenic) purpura
Idiopathic thrombocytopenic purpura
Tidal platelet dysgenesis

D69.4 Other primary thrombocytopenia

Excludes1: transient neonatal thrombocytopenia (P61.0)
Wiskott-Aldrich syndrome (D82.0)

D69.41 Evans syndrome

D69.42 Congenital and hereditary thrombocytopenia purpura
Congenital thrombocytopenia
Hereditary thrombocytopenia

Code first congential or hereditary disorder, such as:
thrombocytopenia with absent radius (TAR syndrome) (Q87.2)

D69.49 Other primary thrombocytopenia
Megakaryocytic hypoplasia
Primary thrombocytopenia NOS

D69.5 Secondary thrombocytopenia

Excludes1: heparin induced thrombocytopenia (HIT) (D75.82)
transient thrombocytopenia of newborn (P61.0)

D69.51 Posttransfusion purpura
Posttransfusion purpura from whole blood (fresh) or blood products
PTP

D69.59 Other secondary thrombocytopenia

D69.6 Thrombocytopenia, unspecified

D69.8 Other specified hemorrhagic conditions
Capillary fragility (hereditary)
Vascular pseudohemophilia

D69.9 Hemorrhagic condition, unspecified

Other disorders of blood and blood-forming organs (D70-D77)

D70 Neutropenia

Includes: agranulocytosis
decreased absolute neurophile count (ANC)

Use additional code for any associated:
fever (R50.81)
mucositis (J34.81, K12.3-, K92.81, N76.81)

Excludes1: neutropenic splenomegaly (D73.81)

transient neonatal neutropenia (P61.5)

D70.0 Congenital agranulocytosis
Congenital neutropenia
Infantile genetic agranulocytosis
Kostmann's disease

D70.1 Agranulocytosis secondary to cancer chemotherapy

Code also underlying neoplasm

Use additional code for adverse effect, if applicable, to identify drug (T45.1X5)

D70.2 Other drug-induced agranulocytosis

Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)

D70.3 Neutropenia due to infection

D70.4 Cyclic neutropenia
Cyclic hematopoiesis
Periodic neutropenia

D70.8 Other neutropenia

D70.9 Neutropenia, unspecified

D71 Functional disorders of polymorphonuclear neutrophils
Cell membrane receptor complex [CR3] defect
Chronic (childhood) granulomatous disease
Congenital dysphagocytosis
Progressive septic granulomatosis

D72 Other disorders of white blood cells

Excludes1: basophilia (D72.824)
immunity disorders (D80-D89)
neutropenia (D70)
preleukemia (syndrome) (D46.9)

D72.0 Genetic anomalies of leukocytes
Alder (granulation) (granulocyte) anomaly
Alder syndrome
Hereditary leukocytic hypersegmentation
Hereditary leukocytic hyposegmentation
Hereditary leukomelanopathy
May-Hegglin (granulation) (granulocyte) anomaly
May-Hegglin syndrome
Pelger-Huët (granulation) (granulocyte) anomaly
Pelger-Huët syndrome

Excludes1: Chédiak (-Steinbrinck)-Higashi syndrome (E70.330)

D72.1 Eosinophilia
Allergic eosinophilia
Hereditary eosinophilia

Excludes1: Löffler's syndrome (J82)
pulmonary eosinophilia (J82)

D72.8 Other specified disorders of white blood cells

Excludes1: leukemia (C91-C95)

D72.81 Decreased white blood cell count

Excludes1: neutropenia (D70.-)

D72.810 Lymphocytopenia
Decreased lymphocytes

D72.818 Other decreased white blood cell count
Basophilic leukopenia
Eosinophilic leukopenia
Monocytopenia
Other decreased leukocytes
Plasmacytopenia

D72.819 Decreased white blood cell count, unspecified
Decreased leukocytes, unspecified
Leukocytopenia, unspecified
Leukopenia

Excludes1: malignant leukopenia (D70.9)

D72.82 Elevated white blood cell count

Excludes1: eosinophilia (D72.1)

D72.820 Lymphocytosis (symptomatic)
Elevated lymphocytes

D72.821 Monocytosis (symptomatic)

Excludes1: infectious mononucleosis (B27.-)

D72.822 Plasmacytosis

D72.823 Leukemoid reaction
Basophilic leukemoid reaction
Leukemoid reaction NOS
Lymphocytic leukemoid reaction
Monocytic leukemoid reaction
Myelocytic leukemoid reaction
Neutrophilic leukemoid reaction

D72.824 Basophilia

D72.825 Bandemia
Bandemia without diagnosis of specific infection

Excludes1: confirmed infection - code to infection
leukemia (C91.-, C92.-, C93.-, C94.-, C95.-)

D72.828 Other elevated white blood cell count

D72.829 Elevated white blood cell count, unspecified
Elevated leukocytes, unspecified
Leukocytosis, unspecified

D72.89 Other specified disorders of white blood cells
Abnormality of white blood cells NEC

D72.9 Disorder of white blood cells, unspecified
Abnormal leukocyte differential NOS

D73 Diseases of spleen

D73.0 Hyposplenism
Atrophy of spleen

Excludes1: asplenia (congenital) (Q89.01)
postsurgical absence of spleen (Z90.81)

D73.1 Hypersplenism

Excludes1: neutropenic splenomegaly (D73.81)
primary splenic neutropenia (D73.81)
splenitis, splenomegaly in late syphilis (A52.79)
splenitis, splenomegaly in tuberculosis (A18.85)
splenomegaly NOS (R16.1)
splenomegaly congenital (Q89.0)

D73.2 Chronic congestive splenomegaly

D73.3 Abscess of spleen

D73.4 Cyst of spleen

D73.5 Infarction of spleen
Splenic rupture, nontraumatic
Torsion of spleen

Excludes1: rupture of spleen due to Plasmodium vivax malaria (B51.0)
traumatic rupture of spleen (S36.03-)

D73.8 Other diseases of spleen

D73.81 Neutropenic splenomegaly
Werner-Schultz disease

D73.89 Other diseases of spleen
Fibrosis of spleen NOS
Perisplenitis
Splenitis NOS

D73.9 Disease of spleen, unspecified

D74 Methemoglobinemia

D74.0 Congenital methemoglobinemia
Congenital NADH-methemoglobin reductase deficiency
Hemoglobin-M [Hb-M] disease
Methemoglobinemia, hereditary

D74.8 Other methemoglobinemias
Acquired methemoglobinemia (with sulfhemoglobinemia)
Toxic methemoglobinemia

D74.9 Methemoglobinemia, unspecified

D75 Other and unspecified diseases of blood and blood-forming organs

Excludes2: acute lymphadenitis (L04.-)
chronic lymphadenitis (I88.1)
enlarged lymph nodes (R59.-)
hypergammaglobulinemia NOS (D89.2)
lymphadenitis NOS (I88.9)
mesenteric lymphadenitis (acute) (chronic) (I88.0)

D75.0 Familial erythrocytosis

Benign polycythemia
Familial polycythemia

Excludes1: hereditary ovalocytosis (D58.1)

D75.1 Secondary polycythemia
Acquired polycythemia
Emotional polycythemia
Erythrocytosis NOS
Hypoxemic polycythemia
Nephrogenous polycythemia
Polycythemia due to erythropoietin
Polycythemia due to fall in plasma volume
Polycythemia due to high altitude
Polycythemia due to stress
Polycythemia NOS
Relative polycythemia

Excludes1: polycythemia neonatorum (P61.1)
polycythemia vera (D45)

D75.8 Other specified diseases of blood and blood-forming organs

D75.81 Myelofibrosis
Myelofibrosis NOS
Secondary myelofibrosis NOS

Code first the underlying disorder, such as:
malignant neoplasm of breast (C50.-)

Use additional code, if applicable, for associated therapy-related myelodysplastic syndrome (D46.-)

Use additional code for adverse effect, if applicable, to identify drug (T45.1X5)

Excludes1: acute myelofibrosis (C94.4-)
idiopathic myelofibrosis (D47.1)
leukoerythroblastic anemia (D61.82)
myelofibrosis with myeloid metaplasia (D47.4)
myelophthisic anemia (D61.82)
myelophthisis (D61.82)
primary myelofibrosis (D47.1)

D75.82 Heparin induced thrombocytopenia (HIT)

D75.89 Other specified diseases of blood and blood-forming organs

D75.9 Disease of blood and blood-forming organs, unspecified

D76 Other specified diseases with participation of lymphoreticular and reticulohistiocytic tissue

Excludes1: (Abt-) Letterer-Siwe disease (C96.0)
eosinophilic granuloma (C96.6)
Hand-Schüller-Christian disease (C96.5)
histiocytic medullary reticulosis (C96.9)
histiocytic sarcoma (C96.A)
histiocytosis X, multifocal (C96.5)
histiocytosis X, unifocal (C96.6)
Langerhans-cell histiocytosis, multifocal (C96.5)
Langerhans-cell histiocytosis NOS (C96.6)
Langerhans-cell histiocytosis, unifocal (C96.6)
leukemic reticuloendotheliosis (C91.4-)
lipomelanotic reticulosis (I89.8)

malignant histiocytosis (C96.A)
malignant reticulosis (C86.0)
nonlipid reticuloendotheliosis (C96.0)

D76.1 Hemophagocytic lymphohistiocytosis
Familial hemophagocytic reticulosis
Histiocytoses of mononuclear phagocytes

D76.2 Hemophagocytic syndrome, infection-associated

Use additional code to identify infectious agent or disease.

D76.3 Other histiocytosis syndromes
Reticulohistiocytoma (giant-cell)
Sinus histiocytosis with massive lymphadenopathy
Xanthogranuloma

D77 Other disorders of blood and blood-forming organs in diseases classified elsewhere

Code first underlying disease, such as:
amyloidosis (E85.-)
congenital early syphilis (A50.0)
echinococcosis (B67.0-B67.9)
malaria (B50.0-B54)
schistosomiasis [bilharziasis] (B65.0-B65.9)
vitamin C deficiency (E54)

Excludes1: rupture of spleen due to Plasmodium vivax malaria (B51.0)
splenitis, splenomegaly in late syphilis (A52.79)
splenitis, splenomegaly in tuberculosis (A18.85)

Intraoperative and postprocedural complications of the spleen (D78)

D78 Intraoperative and postprocedural complications of the spleen

D78.0 Intraoperative hemorrhage and hematoma of the spleen complicating a procedure

Excludes1: intraoperative hemorrhage and hematoma of the spleen due to accidental puncture or laceration during a procedure (D78.1-)

D78.01 Intraoperative hemorrhage and hematoma of the spleen complicating a procedure on the spleen

D78.02 Intraoperative hemorrhage and hematoma of the spleen complicating other procedure

D78.1 Accidental puncture and laceration of the spleen during a procedure

D78.11 Accidental puncture and laceration of the spleen during a procedure on the spleen

D78.12 Accidental puncture and laceration of the spleen during other procedure

D78.2 Postprocedural hemorrhage of the spleen following a procedure

D78.21 Postprocedural hemorrhage of the spleen following a procedure on the spleen

D78.22 Postprocedural hemorrhage of the spleen following other procedure

D78.3 Postprocedural hematoma and seroma of the spleen following a procedure

D78.31 Postprocedural hematoma of the spleen following a procedure on the spleen

D78.32 Postprocedural hematoma of the spleen following other procedure

D78.33 Postprocedural seroma of the spleen following a procedure on the spleen

D78.34 Postprocedural seroma of the spleen following other procedure

D78.8 Other intraoperative and postprocedural complications of the spleen

Use additional code, if applicable, to further specify disorder

D78.81 Other intraoperative complications of the spleen

D78.89 Other postprocedural complications of the spleen

Certain disorders involving the immune mechanism (D80-D89)

Includes: defects in the complement system
immunodeficiency disorders, except human immunodeficiency virus [HIV] disease
sarcoidosis

Excludes1: autoimmune disease (systemic) NOS (M35.9)
functional disorders of polymorphonuclear neutrophils (D71)
human immunodeficiency virus [HIV] disease (B20)

D80 Immunodeficiency with predominantly antibody defects

D80.0 Hereditary hypogammaglobulinemia
Autosomal recessive agammaglobulinemia (Swiss type)
X-linked agammaglobulinemia [Bruton] (with growth hormone deficiency)

D80.1 Nonfamilial hypogammaglobulinemia
Agammaglobulinemia with immunoglobulin-bearing B-lymphocytes
Common variable agammaglobulinemia [CVAgamma]
Hypogammaglobulinemia NOS

D80.2 Selective deficiency of immunoglobulin A [IgA]

D80.3 Selective deficiency of immunoglobulin G [IgG] subclasses

D80.4 Selective deficiency of immunoglobulin M [IgM]

D80.5 Immunodeficiency with increased immunoglobulin M [IgM]

D80.6 Antibody deficiency with near-normal immunoglobulins or with hyperimmunoglobulinemia

D80.7 Transient hypogammaglobulinemia of infancy

D80.8 Other immunodeficiencies with predominantly antibody defects
Kappa light chain deficiency

D80.9 Immunodeficiency with predominantly antibody defects, unspecified

D81 Combined immunodeficiencies

Excludes1: autosomal recessive agammaglobulinemia (Swiss type) (D80.0)

D81.0 Severe combined immunodeficiency [SCID] with reticular dysgenesis

D81.1 Severe combined immunodeficiency [SCID] with low T- and B-cell numbers

D81.2 Severe combined immunodeficiency [SCID] with low or normal B-cell numbers

D81.3 Adenosine deaminase [ADA] deficiency

D81.4 Nezelof's syndrome

D81.5 Purine nucleoside phosphorylase [PNP] deficiency

D81.6 Major histocompatibility complex class I deficiency
Bare lymphocyte syndrome

D81.7 Major histocompatibility complex class II deficiency

D81.8 Other combined immunodeficiencies

D81.81 Biotin-dependent carboxylase deficiency
Multiple carboxylase deficiency

Excludes1: biotin-dependent carboxylase deficiency due to dietary deficiency of biotin (E53.8)

D81.810 Biotinidase deficiency

D81.818 Other biotin-dependent carboxylase deficiency
Holocarboxylase synthetase deficiency
Other multiple carboxylase deficiency

D81.819 Biotin-dependent carboxylase deficiency, unspecified
Multiple carboxylase deficiency, unspecified

D81.89 Other combined immunodeficiencies

D81.9 Combined immunodeficiency, unspecified
Severe combined immunodeficiency disorder [SCID] NOS

D82 Immunodeficiency associated with other major defects

Excludes1: ataxia telangiectasia [Louis-Bar] (G11.3)

D82.0 Wiskott-Aldrich syndrome
Immunodeficiency with thrombocytopenia and eczema

D82.1 Di George's syndrome
Pharyngeal pouch syndrome
Thymic alymphoplasia
Thymic aplasia or hypoplasia with immunodeficiency

D82.2 Immunodeficiency with short-limbed stature

D82.3 Immunodeficiency following hereditary defective response to Epstein-Barr virus
X-linked lymphoproliferative disease

D82.4 Hyperimmunoglobulin E [IgE] syndrome

D82.8 Immunodeficiency associated with other specified major defects

D82.9 Immunodeficiency associated with major defect, unspecified

D83 Common variable immunodeficiency

D83.0 Common variable immunodeficiency with predominant abnormalities of B-cell numbers and function

D83.1 Common variable immunodeficiency with predominant immunoregulatory T-cell disorders

D83.2 Common variable immunodeficiency with autoantibodies to B- or T-cells

D83.8 Other common variable immunodeficiencies

D83.9 Common variable immunodeficiency, unspecified

D84 Other immunodeficiencies

D84.0 Lymphocyte function antigen-1 [LFA-1] defect

D84.1 Defects in the complement system
C1 esterase inhibitor [C1-INH] deficiency

D84.8 Other specified immunodeficiencies

D84.9 Immunodeficiency, unspecified

D86 Sarcoidosis

D86.0 Sarcoidosis of lung

D86.1 Sarcoidosis of lymph nodes

D86.2 Sarcoidosis of lung with sarcoidosis of lymph nodes

D86.3 Sarcoidosis of skin

D86.8 Sarcoidosis of other sites

D86.81 Sarcoid meningitis

D86.82 Multiple cranial nerve palsies in sarcoidosis

D86.83 Sarcoid iridocyclitis

D86.84 Sarcoid pyelonephritis
Tubulo-interstitial nephropathy in sarcoidosis

D86.85 Sarcoid myocarditis

D86.86 Sarcoid arthropathy
Polyarthritis in sarcoidosis

D86.87 Sarcoid myositis

D86.89 Sarcoidosis of other sites
Hepatic granuloma
Uveoparotid fever [Heerfordt]

D86.9 Sarcoidosis, unspecified

D89 Other disorders involving the immune mechanism, not elsewhere classified

Excludes1: hyperglobulinemia NOS (R77.1)
monoclonal gammopathy (of undetermined significance) (D47.2)

Excludes2: transplant failure and rejection (T86.-)

D89.0 Polyclonal hypergammaglobulinemia
Benign hypergammaglobulinemic purpura
Polyclonal gammopathy NOS

D89.1 Cryoglobulinemia
Cryoglobulinemic purpura
Cryoglobulinemic vasculitis
Essential cryoglobulinemia
Idiopathic cryoglobulinemia
Mixed cryoglobulinemia
Primary cryoglobulinemia
Secondary cryoglobulinemia

D89.2 Hypergammaglobulinemia, unspecified

D89.3 Immune reconstitution syndrome

Immune reconstitution inflammatory syndrome [IRIS]

Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)

D89.4 Mast cell activation syndrome and related disorders

Excludes1: aggressive systemic mastocytosis (C96.21)
congenital cutaneous mastocytosis (Q82.2)
(non-congenital) cutaneous mastocytosis (D47.01)
(indolent) systemic mastocytosis (D47.02)
malignant mast cell neoplasm (C96.2-)
malignant mastocytoma (C96.29)
mast cell leukemia (C94.3-)
mast cell sarcoma (C96.22)
mastocytoma NOS (D47.09)
other mast cell neoplasms of uncertain behavior (D47.09)
systemic mastocytosis associated with a clonal hematologic non-mast cell lineage disease (SM-AHNMD) (D47.02)

D89.40 Mast cell activation, unspecified

Mast cell activation disorder, unspecified
Mast cell activation syndrome, NOS

D89.41 Monoclonal mast cell activation syndrome

D89.42 Idiopathic mast cell activation syndrome

D89.43 Secondary mast cell activation

Secondary mast cell activation syndrome

Code also underlying etiology, if known

D89.49 Other mast cell activation disorder

Other mast cell activation syndrome

D89.8 Other specified disorders involving the immune mechanism, not elsewhere classified

D89.81 Graft-versus-host disease

Code first underlying cause, such as:
complications of transplanted organs and tissue (T86.-)
complications of blood transfusion (T80.89)

Use additional code to identify associated manifestations, such as:
desquamative dermatitis (L30.8)
diarrhea (R19.7)
elevated bilirubin (R17)
hair loss (L65.9)

D89.810 Acute graft-versus-host disease

D89.811 Chronic graft-versus-host disease

D89.812 Acute on chronic graft-versus-host disease

D89.813 Graft-versus-host disease, unspecified

D89.82 Autoimmune lymphoproliferative syndrome [ALPS]

D89.89 Other specified disorders involving the immune mechanism, not elsewhere classified

Excludes1: human immunodeficiency virus disease (B20)

D89.9 Disorder involving the immune mechanism, unspecified

Immune disease NOS