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) myelodysplastic syndromes (D46.-)
pancytopenia (due to) (with) myeloproliferative disease (D47.1)

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: anemia due to antineoplastic chemotherapy (D64.81)
aplastic anemia due to antineoplastic chemotherapy (D61.1)

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: anemia in neoplastic disease (D63.0)
aplastic anemia due to antineoplastic chemotherapy (D61.1)

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)