



190.17 - Prothrombin Time (PT)

Other Names/Abbreviations

PT

Description

Basic plasma coagulation function is readily assessed with a few simple laboratory tests: the Partial Thromboplastin Time (PTT), Prothrombin Time (PT), Thrombin Time (TT), or a quantitative fibrinogen determination. The PT test is one in-vitro laboratory test used to assess coagulation. While the PTT assesses the intrinsic limb of the coagulation system, the PT assesses the extrinsic or tissue factor dependent pathway. Both tests also evaluate the common coagulation pathway involving all the reactions that occur after the activation of factor X. Extrinsic pathway factors are produced in the liver and their production is dependent on adequate vitamin K activity. Deficiencies of factors may be related to decreased production or increased consumption of coagulation factors. The PT/INR is most commonly used to measure the effect of warfarin and regulate its dosing. Warfarin blocks the effect of vitamin K on hepatic production of extrinsic pathway factors.

A PT is expressed in seconds and/or as an international normalized ratio (INR). The INR is the PT ratio that would result if the WHO reference thromboplastin was used in performing the test.

Current medical information does not clarify the role of laboratory PT testing in patients who are self monitoring. Therefore, the indications for testing apply regardless of whether or not the patient is also PT self-testing.

HCPCS Codes (Alphanumeric, CPT[®] AMA)

Code	Description
85610	Prothrombin Time

ICD-9-CM Codes Covered by Medicare Program

The individual ICD-9-CM codes included in code ranges in the table below can be viewed on CMS' website under Downloads: Lab Code List. The link is: <http://www.cms.gov/Medicare/Coverage/CoverageGenInfo/LabNCDsICD9.html>

Code	Description
002.0-002.9	Typhoid and paratyphoid
003.0-003.9	Other Salmonella infections
038.9	Unspecified Septicemia
042	Human Immunodeficiency virus (HIV) disease
060.0-060.9	Yellow fever
065.0-065.9	Arthropod-borne hemorrhagic fever
070.0-070.9	Viral hepatitis
075	Infectious mononucleosis
078.6	Hemorrhagic nephrosonephritis
078.7	Arenaviral hemorrhagic fever

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Code	Description
084.8	Blackwater fever
120.0	Schistosomiasis
121.1	Clonorchiasis
121.3	Fascioliasis
124	Trichinosis
134.2	Hirudiniasis
135	Sarcoidosis
152.0-152.9	Malignant neoplasm of small intestine, including duodenum
155.0-155.2	Malignant neoplasm of liver and intrahepatic bile ducts
156.0-156.9	Malignant neoplasm of gallbladder and extrahepatic bile ducts
157.0-157.9	Malignant neoplasm of pancreas
188.0-189.9	Malignant neoplasm of bladder, kidney, and other and unspecified urinary organs
197.7	Secondary malignant neoplasm, liver
198.0	Secondary malignant neoplasm, kidney
198.1	Secondary malignant neoplasm, other urinary organs
200.00-200.28	Lymphosarcoma and reticulosarcoma; Burkitt's tumor or lymphoma
200.30-200.38	Marginal zone lymphoma
200.40-200.48	Mantle cell lymphoma
200.50-200.58	Primary central nervous system lymphoma
200.60-200.68	Anaplastic large cell lymphoma
200.70-200.78	Large cell lymphoma
200.80-200.88	Malignant tumors of lymphatic tissue; other named variants
202.00-202.68	Other malignant neoplasms of lymphoid and histiocytic tissue
202.70-202.78	Peripheral T-cell lymphoma
202.80-202.98	Other lymphomas; other and unspecified malignant neoplasms of lymphoid and histiocytic tissue
209.20-209.27, 209.29	Malignant carcinoid tumors of other and unspecified sites
209.70	Secondary neuroendocrine tumor, unspecified site
209.71	Secondary neuroendocrine tumor of distant lymph nodes
209.72	Secondary neuroendocrine tumor of liver
209.73	Secondary neuroendocrine tumor of bone
209.74	Secondary neuroendocrine tumor of peritoneum
209.75	Secondary Merkel cell carcinoma
209.79	Secondary neuroendocrine tumor of other sites
223.0-223.9	Benign neoplasm of kidney and other urinary organs
238.4	Polycythemia vera
238.5	Histocytic and mast cells – neoplasm of uncertain behavior
238.6	Plasma cells – neoplasm of uncertain behavior
238.71	Essential thrombocythemia
238.72	Low grade myelodysplastic syndrome lesions
238.73	High grade myelodysplastic syndrome lesions

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Code	Description
238.74	Myelodysplastic syndrome with 5q deletion
238.75	Myelodysplastic syndrome, unspecified
238.76	Myelofibrosis with myeloid metaplasia
238.77	Post-transplant lymphoproliferative disorder (PTLD)
238.79	Other lymphatic and hematopoietic tissues
239.4	Neoplasm of unspecified nature, bladder
239.5	Neoplasm of unspecified nature, other genitourinary organs
239.9	Neoplasm of unspecified nature, site unspecified
246.3	Hemorrhage and infarction of thyroid
249.40	Secondary diabetes mellitus with renal manifestations, not stated as uncontrolled
249.41	Secondary diabetes mellitus with renal manifestations, uncontrolled
250.40-250.43	Diabetic with renal manifestations
263.0-263.9	Other and unspecified protein/calorie malnutrition
269.0	Deficiency of Vitamin K
269.2	Unspecified vitamin deficiency
273.0-273.3, 273.8-273.9	Disorders of plasma protein metabolism
275.01	Hereditary hemochromatosis
275.02	Hemochromatosis due to repeated red blood cell transfusions
275.03	Other hemochromatosis
275.09	Other disorders of iron metabolism
277.1	Disorders of porphyrin metabolism
277.30	Amyloidosis, unspecified
277.31	Familial Mediterranean fever
277.39	Other amyloidosis
280.0	Iron deficiency anemia, secondary to blood loss - chronic
280.9	Iron deficiency anemia, unspecified
281.0	Pernicious anemia
281.1	Other vitamin B12 deficiency anemia, NEC
281.9	Unspecified deficiency anemia, NOS
285.0	Sideroblastic anemia
285.1	Acute posthemorrhagic anemia
286.0-286.9	Coagulation defects
287.0-287.39	Allergic purpura; qualitative platelet defects; other non-thrombocytopenic purpuras; primary thrombocytopenia
287.41	Posttransfusion purpura
287.49	Other secondary thrombocytopenia
287.5-287.9	Thrombocytopenia, unspecified; other specified and unspecified hemorrhagic conditions
289.81	Primary hypercoagulable state
290.40-290.43	Vascular dementia

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Code	Description
325	Phlebitis and thrombophlebitis of intracranial venous sinuses
342.90-342.92	Hemiplegia NOS
360.43	Hemophthalmos, except current injury
362.18	Retinal vasculitis
362.30-362.37	Retinal vascular occlusion
362.43	Hemorrhagic detachment of retinal pigment epithelium
362.81	Retinal hemorrhage
363.61-363.72	Choroidal hemorrhage and rupture, detachment
368.9	Unspecified visual disturbances
372.72	Conjunctival hemorrhage
374.81	Hemorrhage of eyelid
376.32	Orbital hemorrhage
377.42	Hemorrhage in optic nerve sheaths
377.53	Disorders of optic chiasm associated with vascular disorders
377.62	Disorders of visual pathways associated with vascular disorders
377.72	Disorders of visual cortex associated with vascular disorders
379.23	Vitreous hemorrhage
380.31	Hematoma of auricle or pinna
386.2	Vertigo of central origin
386.50	Labyrinthine dysfunction, unspecified
394.0-394.9	Diseases of the mitral valve
395.0	Rheumatic aortic stenosis
395.2	Rheumatic aortic stenosis with insufficiency
396.0-396.9	Diseases of mitral and aortic valves
397.0-397.9	Diseases of other endocardial structures
398.0-398.99	Other rheumatic heart disease
403.01, 403.11, 403.91	Hypertensive chronic kidney disease, with chronic kidney disease stage V or end stage renal disease
404.02, 404.12, 404.92	Hypertensive heart and chronic kidney disease, without heart failure and with chronic kidney disease stage V or end stage renal disease
410.00-410.92	Acute myocardial infarction
411.1	Intermediate coronary syndrome
411.81	Coronary occlusion without myocardial infarction
411.89	Other acute and subacute forms of ischemic heart disease
413.0-413.9	Angina pectoris
414.00-414.07	Coronary atherosclerosis
414.3	Coronary atherosclerosis due to lipid rich plaque
414.4	Coronary atherosclerosis due to calcified coronary lesion
414.8	Other specified forms of chronic ischemic heart disease
414.9	Chronic ischemic heart disease, unspecified
415.0 – 415.19	Acute pulmonary heart disease

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Code	Description
416.9	Chronic pulmonary heart disease, unspecified
423.0	Hemopericardium
424.0	Mitral valve disorders
424.1	Aortic valve disorder
424.90	Endocarditis, valve unspecified, unspecified cause
425.0, 425.11, 425.18, 425.2-425.9	Cardiomyopathy
427.0-427.9	Cardiac dysrhythmias
428.0-428.9	Heart failure
429.0-429.4	Ill-defined descriptions and complications of heart disease
429.79	Other sequelae of myocardial infarction, not elsewhere classified
430	Subarachnoid hemorrhage
431	Intracerebral hemorrhage
432.0-432.9	Other and unspecified intracranial hemorrhage
433.00-433.91	Occlusion and stenosis of precerebral arteries
434.00-434.91	Occlusion of cerebral arteries
435.0-435.9	Transient cerebral ischemia
436	Acute, but ill-defined cerebrovascular disease
437.0	Cerebral atherosclerosis
437.1	Other generalized ischemic cerebrovascular disease
437.6	Nonpyogenic thrombosis of intracranial venous sinus
440.0-440.32	Atherosclerosis of aorta; of other arteries; of bypass grafts
440.4	Chronic total occlusion of artery of the extremities
440.8-440.9	Atherosclerosis of other specified arteries; generalized and unspecified atherosclerosis
441.0-441.9	Aortic aneurysm and dissection
443.0-443.9	Other peripheral vascular disease
444.01, 444.09, 444.1-444.9	Arterial embolism and thrombosis
447.1	Stricture of artery
447.2	Rupture of artery
447.6	Arteritis, unspecified
448.0	Hereditary hemorrhagic telangiectasia
448.9	Other and unspecified capillary diseases
451.0-451.9	Phlebitis and thrombophlebitis
452	Portal vein thrombosis
453.0	Budd-Chiari syndrome
453.1	Thrombophlebitis migrans
453.2	Embolism and thrombosis of inferior vena cava
453.3	Embolism and thrombosis of renal vein
453.40	Acute venous embolism and thrombosis of unspecified deep vessels of lower extremity

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Code	Description
453.41	Acute venous embolism and thrombosis of deep vessels of proximal lower extremity
453.42	Acute venous embolism and thrombosis of deep vessels of distal lower extremity
453.50	Chronic venous embolism and thrombosis of unspecified deep vessels of lower extremity
453.51	Chronic venous embolism and thrombosis of deep vessels of proximal lower extremity
453.52	Chronic venous embolism and thrombosis of deep vessels of distal lower extremity
453.6	Venous embolism and thrombosis of superficial vessels of lower extremity
453.71	Chronic venous embolism and thrombosis of superficial veins of upper extremity
453.72	Chronic venous embolism and thrombosis of deep veins of upper extremity
453.73	Chronic venous embolism and thrombosis of upper extremity, unspecified
453.74	Chronic venous embolism and thrombosis of axillary veins
453.75	Chronic venous embolism and thrombosis of subclavian veins
453.76	Chronic venous embolism and thrombosis of internal jugular veins
453.77	Chronic venous embolism and thrombosis of other thoracic veins
453.79	Chronic venous embolism and thrombosis of other specified veins
453.81	Acute venous embolism and thrombosis of superficial veins of upper extremity
453.82	Acute venous embolism and thrombosis of deep veins of upper extremity
453.83	Acute venous embolism and thrombosis of upper extremity, unspecified
453.84	Acute venous embolism and thrombosis of axillary veins
453.85	Acute venous embolism and thrombosis of subclavian veins
453.86	Acute venous embolism and thrombosis of internal jugular veins
453.87	Acute venous embolism and thrombosis of other thoracic veins
453.89	Acute venous embolism and thrombosis of other specified veins
453.9	Other venous embolism and thrombosis of unspecified site
455.2	Internal hemorrhoids with other complication
455.5	External hemorrhoids with other complication
455.8	Unspecified hemorrhoids with other complication
456.0-456.1	Esophageal varices
456.8	Varices of other sites
459.0	Hemorrhage, unspecified
459.10-459.19	Postphlebotic syndrome
459.2	Compression of vein
459.81	Venous (peripheral) insufficiency, unspecified

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**Medicare National Coverage Determinations (NCD)
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Code	Description
459.89	Other, other specified disorders of circulatory system
511.81	Malignant pleural effusion
511.89	Other specified forms of effusion, except tuberculosis
514	Pulmonary congestion and hypostasis
530.7	Gastroesophageal laceration - hemorrhage syndrome
530.82	Esophageal hemorrhage
530.86	Infection of esophagostomy
530.87	Mechanical complication of esophagostomy
531.00-535.61	Gastric ulcer, duodenal ulcer, peptic ulcer, gastrojejunal ulcer, gastritis and duodenitis
535.70	Eosinophilic gastritis, without mention of obstruction
535.71	Eosinophilic gastritis, with obstruction
555.0-555.9	Regional enteritis
556.0-556.9	Ulcerative colitis
557.0-557.9	Vascular insufficiency of intestine
562.02-562.03	Diverticulosis of small intestine with hemorrhage
562.10	Diverticulosis of colon w/o hemorrhage
562.11	Diverticulitis of colon w/o hemorrhage
562.12	Diverticulosis of colon with hemorrhage
562.13	Diverticulitis of colon with hemorrhage
568.81	Hemoperitoneum (nontraumatic)
569.3	Hemorrhage of rectum and anus
571.0-571.9	Chronic liver disease and cirrhosis
572.2	Hepatic encephalopathy
572.4	Hepatorenal syndrome
572.8	Other sequelae of chronic liver disease
573.1-573.9	Hepatitis in viral diseases, other and unspecified disorder of liver
576.0-576.9	Other disorders of Biliary tract
577.0	Acute pancreatitis
578.0-578.9	Gastrointestinal hemorrhage
579.0-579.9	Intestinal Malabsorption
581.0-581.9	Nephrotic Syndrome
583.9	Nephritis, with unspecified pathological lesion in kidney
584.5	Acute kidney failure with lesion of tubular necrosis
584.6	Acute kidney failure with lesion of renal cortical necrosis
584.7	Acute kidney failure with lesion of renal medullary (papillary) necrosis
584.8	Acute kidney failure with other specified pathological lesion in kidney
584.9	Acute kidney failure, unspecified
585.4-585.9	Chronic kidney disease
586	Renal failure, unspecified

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Code	Description
593.81-593.89	Other specified disorders of kidney and ureter
596.7	Hemorrhage into bladder wall
596.81	Infection of cystostomy
596.82	Mechanical complication of cystostomy
596.83	Other complication of cystostomy
596.89	Other specified disorders of bladder
599.70	Hematuria, unspecified
599.71	Gross hematuria
599.72	Microscopic hematuria
607.82	Vascular disorders of penis
608.83	Vascular disorders of male genital organs
611.89	Other specified disorders of breast including hematoma
620.7	Hematoma of broad ligament
621.4	Hematometra
622.8	Other specified noninflammatory disorders of cervix
623.6	Vaginal hematoma
623.8	Other specified noninflammatory disorders of the vagina
624.5	Hematoma of vulva
626.2-626.9	Abnormal bleeding from female genital tract
627.0	Premenopausal menorrhagia
627.1	Postmenopausal bleeding
629.0	Hematocele female, not classified elsewhere
632	Missed abortion
634.10-634.12	Spontaneous abortion, complicated by excessive hemorrhage
635.10-635.12	Legally induced abortion, complicated by delayed or excessive hemorrhage
636.10-636.12	Illegally induced abortion, complicated by delayed or excessive hemorrhage
637.10-637.12	Abortion unspecified, complicated by delayed or excessive hemorrhage
638.1	Failed attempted abortion, complicated by delayed or excessive hemorrhage
639.1	Delayed or excessive hemorrhage following abortion and ectopic and molar pregnancies
639.6	Complications following abortion and ectopic and molar pregnancies with embolism
640.00-640.93	Hemorrhage in early pregnancy
641.00-641.93	Antepartum hemorrhage, abruptio placentae, and placenta previa
642.00-642.94	Hypertension complicating pregnancy, childbirth, and the puerperium
646.70-646.73	Liver disorders in pregnancy
649.30	Coagulation defects complicating pregnancy, childbirth, or the puerperium, unspecified as to episode of care or not applicable

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Code	Description
649.31	Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with or without mention of antepartum condition
649.32	Coagulation defects complicating pregnancy, childbirth, or the puerperium, delivered, with mention of postpartum complication
649.33	Coagulation defects complicating pregnancy, childbirth, or the puerperium, antepartum condition or complication
649.34	Coagulation defects complicating pregnancy, childbirth, or the puerperium, postpartum condition or complication
649.50	Spotting complicating pregnancy, unspecified as to episode of care or not applicable
649.51	Spotting complicating pregnancy, delivered, with or without mention of antepartum condition
649.53	Spotting complicating pregnancy, antepartum condition or complication
656.00-656.03	Fetal maternal hemorrhage
658.40-658.43	Infection of amniotic cavity
666.00-666.34	Postpartum hemorrhage
671.20-671.94	Venous complications in pregnancy and the puerperium except legs, vulva and perineum
673.00-673.84	Obstetrical pulmonary embolism
674.30-674.34	Other complications of obstetrical surgical wounds
713.2	Arthropathy associated with hematological disorders
713.6	Arthropathy associated with hypersensitivity reaction
719.15	Hemarthrosis pelvic region and thigh
719.16	Lower leg
719.19	Multiple sites
729.5	Pain in limb
729.81	Swelling of limb
733.10	Pathologic fracture, unspecified site
746.00-746.9	Other Congenital anomalies of heart
762.1	Other forms of placental separation and hemorrhage
767.0, 767.11	Birth trauma, subdural and cerebral hemorrhage and injury to scalp
767.8	Other specified birth trauma
770.3	Pulmonary hemorrhage
772.0	Fetal blood loss affecting newborn
772.10-772.14	Fetal and neonatal intraventricular hemorrhage
772.2	Fetal and neonatal subarachnoid hemorrhage
772.3	Fetal and neonatal umbilical hemorrhage after birth
772.4	Fetal and neonatal gastrointestinal hemorrhage
772.5	Fetal and neonatal adrenal hemorrhage
772.6	Fetal and neonatal cutaneous hemorrhage
772.8	Fetal and neonatal other specified hemorrhage of fetus or newborn
772.9	Fetal and neonatal unspecified hemorrhage of newborn
774.6	Unspecified fetal and neonatal jaundice

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Code	Description
776.0	Hemorrhagic disease of the newborn
776.1	Transient neonatal thrombocytopenia
776.2	Disseminated intravascular coagulation in newborn
776.3	Other transient neonatal disorders of coagulation
776.4	Polycythemia neonatorum
776.5	Congenital anemia
776.6	Anemia of prematurity
776.7	Transient neonatal neutropenia
776.8	Other specified transient hematological disorders
776.9	Unspecified hematological disorder specific to newborn
780.2	Syncope and collapse
782.3	Edema
782.4	Jaundice, unspecified, not of newborn
782.7	Spontaneous ecchymosis
784.7	Epistaxis
784.8	Hemorrhage from throat
785.4	Gangrene
785.50	Shock without mention of trauma
786.05	Shortness of breath
786.30	Hemoptysis, unspecified
786.31	Acute idiopathic pulmonary hemorrhage in infants (AIPHI)
786.39	Other hemoptysis
786.50	Chest pain, unspecified
786.51	Precordial pain
786.59	Chest pain, other
789.00-789.09	Abdominal pain
789.1	Hepatomegaly
789.51	Malignant ascites
789.59	Other ascites
789.7	Colic
790.92	Abnormal coagulation profile
790.94	Euthyroid sick syndrome
791.2	Hemoglobinuria
794.8	Abnormal Liver Function Study
800.00-800.99	Fracture of vault of skull
801.00-801.99	Fracture of base of skull
802.20-802.9	Fracture of face bones
803.00-803.99	Other and unqualified skull fractures
804.00-804.99	Multiple fractures involving skull or face with other bones
805.00-806.9	Fracture, vertebral column
807.00-807.09	Fractures of rib(s), closed

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**Medicare National Coverage Determinations (NCD)
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Code	Description
807.10-807.19	Fracture of rib(s), open
808.8-808.9	Unspecified fracture of pelvis
809.0-809.1	Ill-defined fractures of bones of trunk
810.00-810.13	Fracture of clavicle
811.00-811.19	Fracture of scapula
812.00-812.59	Fracture of humerus
813.10-813.18	Fracture of radius and ulna, upper end, open
813.30-813.33	Shaft, open
813.50-813.54	Lower end, open
813.90-813.93	Fracture unspecified part, open
819.0-819.1	Multiple fractures involving both upper limbs, closed and open
820.00-821.39	Fracture of neck of femur
823.00-823.92	Fracture of tibia and fibula
827.0-829.1	Other multiple lower limb
852.00-853.19	Subarachnoid subdural, and extradural hemorrhage, following injury, Other and specified intracranial hemorrhage following injury
860.0-860.5	Traumatic pneumothorax and hemothorax
861.00-861.32	Injury to heart and lung
862.0-862.9	Injury to other and unspecified intrathoracic organs
863.0-863.90	Injury to gastrointestinal tract
863.91-863.95, 863.99	Adding to Injury to gastrointestinal tract
864.00-864.19	Injury to liver
865.00-865.19	Injury to spleen
866.00-866.13	Injury to kidney
867.0-867.9	Injury to pelvic organs
868.00-868.19	Injury to other intra-abdominal organs
869.0-869.1	Internal injury to unspecified or ill defined organs
900.00-900.9	Injury to blood vessels of head and neck
901.0-901.9	Injury to blood vessels of the thorax
902.0-902.9	Injury to blood vessels of the abdomen and pelvis
903.00-903.9	Injury to blood vessels of upper extremity
904.0-904.9	Injury to blood vessels of lower extremity and unspecified sites
920-924.9	Contusion with intact skin surface
925.1-929.9	Crushing injury
958.2	Secondary and recurrent hemorrhage
959.9	Injury, unspecified site
964.0-964.9	Poisoning by agents primarily affecting blood constituents
980.0-980.9	Toxic effect of alcohol
981	Toxic effect of petroleum products
982.0-982.8	Toxic effects of solvents other than petroleum-based
987.0-987.9	Toxic effect of other gases, fumes or vapors

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Code	Description
989.0-989.9	Toxic effect of other substances chiefly non-medicinal as to source
995.20	Unspecified adverse effect of unspecified drug, medicinal and biological substance
995.21	Arthus phenomenon
995.24	Failed moderate sedation during procedure
995.27	Other drug allergy
995.29	Unspecified adverse effect of other drug, medicinal & biological substance
996.82	Complication of transplanted liver
997.02	Iatrogenic cerebrovascular infarction or hemorrhage
997.41	Retained cholelithiasis following cholecystectomy
997.49	Other digestive system complications
998.11-998.12	Hemorrhage or hematoma complicating a procedure
999.2	Other vascular complications
999.80	Transfusion reaction, unspecified
999.83	Hemolytic transfusion reaction, incompatibility unspecified
999.84	Acute hemolytic transfusion reaction, incompatibility unspecified
999.85	Delayed hemolytic transfusion reaction, incompatibility unspecified
999.89	Other transfusion reaction
V08	Asymptomatic HIV infection
V12.1	History of nutritional deficiency
V12.3	Personal history of diseases of blood and blood-forming organs
V12.50-V12.55, V12.59	Personal history of transient ischemic attack, cerebral infarction, or pulmonary embolism without residual deficits
V15.1	Personal history of surgery to heart and great vessels
V15.21	Personal history of undergoing in utero procedure during pregnancy
V15.22	Personal history of undergoing in utero procedure while a fetus
V15.29	Surgery to other organs
V42.0	Kidney replaced by transplant
V42.1	Heart replaced by transplant
V42.2	Heart valve replaced by transplant
V42.6	Lung replaced by transplant
V42.7	Liver replaced by transplant
V42.81-V42.89	Other specified organ or tissue replaced by transplant
V43.21-V43.22	Heart replaced by other means
V43.3	Heart valve replaced by other means
V43.4	Blood vessel replaced by other means
V58.2	Transfusion of blood products
V58.61	Long-term (current) use of anticoagulants
V58.83	Encounter for therapeutic drug monitoring

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Indications

1. A PT may be used to assess patients taking warfarin. The PT is generally not useful in monitoring patients receiving heparin who are not taking warfarin.
2. A PT may be used to assess patients with signs or symptoms of abnormal bleeding or thrombosis. For example:
 - Swollen extremity with or without prior trauma
 - Unexplained bruising
 - Abnormal bleeding, hemorrhage or hematoma
 - Petechiae or other signs of thrombocytopenia that could be due to Disseminated Intravascular Coagulation
3. A PT may be useful in evaluating patients who have a history of a condition known to be associated with the risk of bleeding or thrombosis that is related to the extrinsic coagulation pathway. Such abnormalities may be genetic or acquired. For example:
 - Dysfibrinogenemia
 - Afibrinogenemia (complete)
 - Acute or chronic liver dysfunction or failure, including Wilson's disease and Hemochromatosis
 - Disseminated intravascular coagulation (DIC)
 - Congenital and acquired deficiencies of factors II, V, VII, X
 - Vitamin K deficiency
 - Lupus erythematosus
 - Hypercoagulable state
 - Paraproteinemia
 - Lymphoma
 - Amyloidosis
 - Acute and chronic leukemias
 - Plasma cell dyscrasia
 - HIV infection
 - Malignant neoplasms
 - Hemorrhagic fever
 - Salicylate poisoning
 - Obstructive jaundice
 - Intestinal fistula
 - Malabsorption syndrome
 - Colitis
 - Chronic diarrhea
 - Presence of peripheral venous or arterial thrombosis or pulmonary emboli or myocardial infarction



- Patients with bleeding or clotting tendencies
 - Organ transplantation
 - Presence of circulating coagulation inhibitors
4. A PT may be used to assess the risk of hemorrhage or thrombosis in patients who are going to have a medical intervention known to be associated with increased risk of bleeding or thrombosis. For example:
- Evaluation prior to invasive procedures or operations of patients with personal history of bleeding or a condition associated with coagulopathy.
 - Prior to the use of thrombolytic medication

Limitations

1. When an ESRD patient is tested for PT, testing more frequently than weekly requires documentation of medical necessity, e.g., other than chronic renal failure or renal failure unspecified.
2. The need to repeat this test is determined by changes in the underlying medical condition and/or the dosing of warfarin. In a patient on stable warfarin therapy, it is ordinarily not necessary to repeat testing more than every two to three weeks. When testing is performed to evaluate a patient with signs or symptoms of abnormal bleeding or thrombosis and the initial test result is normal, it is ordinarily not necessary to repeat testing unless there is a change in the patient's medical status.
3. Since the INR is a calculation, it will not be paid in addition to the PT when expressed in seconds, and is considered part of the conventional PT test.
4. Testing prior to any medical intervention associated with a risk of bleeding and thrombosis (other than thrombolytic therapy) will generally be considered medically necessary only where there are signs or symptoms of a bleeding or thrombotic abnormality or a personal history of bleeding, thrombosis or a condition associated with a coagulopathy. Hospital/clinic-specific policies, protocols, etc., in and of themselves, cannot alone justify coverage.

ICD-9-CM Codes That Do Not Support Medical Necessity

Any ICD-9-CM code not listed in either of the ICD-9-CM covered or non-covered sections.

Sources of Information

CMD Clinical Laboratory Workgroup

1999 CPT Physicians' Current Procedural Terminology, American Medical Association

Wintrobe's Clinical Hematology 9th Ed. Lea and Febinger

Harrison's Principles of Internal Medicine, McGraw Hill, 14th Ed., 1997.

Diagnostic Tests Handbook, Springhouse Corporation, 1987.

Hemostasis and Thrombosis: Basic Principles and Clinical Practice. Colman, et al editors, J.B. Lippincott, 3rd Edition, 1994, pp 896-898 and 1045-1046.

Disorders of Hemostasis, Ratnoff, Oscar D. and Forbes, Charles D., W.B. Saunders Co. 1996.

Merck Manual of Diagnosis and Therapy, 16th Edition (should be replaced w/17th Edition 1999.)



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report**

“Performance of the Coumatrak System at a Large Anticoagulation Clinic”. *Coagulation and Transfusion Medicine*. January 1995. p. 98-102.

“Monitoring Oral Anticoagulation Therapy with Point-of-Care Devices. Correlation and Caveats”. *Clinical Chemistry*: No. 9, 1997, p1785-1786.

“College of American Pathologists Conference XXXI on Laboratory Monitoring of Anticoagulant Therapy”. *Arch.Pathol.Lab.Med.* Vol.122. September 1998. p. 768-780.

“A Structured Teaching and Self-management Program for Patients Receiving Oral Anti-coagulation”. *JAMA*; 1999; 281: 145-150.

NCD 190.17

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