

Patient Safety Indicators Appendices

APPENDIX I: Immunocompromised State Diagnosis and Procedure Codes: (IMMUNID)

<i>ICD-9-CM</i>		<i>ICD-10-CM</i>	
042	HUMAN IMMUNODEFICIENCY VIRUS DISEASE	B20	Human immunodeficiency virus [HIV] disease
1363	PNEUMOCYSTOSIS	B59	Pneumocystosis
1992	MALIG NEOPL-TRANSP ORGAN	C802	Malignant neoplasm associated with transplanted organ
23873	HI GRDE MYELOYDYS SYN LES	C888	Other malignant immunoproliferative diseases
23876	MYELOFI W MYELO METAPLAS	C9440	Acute panmyelosis with myelofibrosis not having achieved remission
23877	POST TP LYMPHPROLIF DIS	C9441	Acute panmyelosis with myelofibrosis, in remission
23879	LYMPH/HEMATPOITC TIS NEC	C9442	Acute panmyelosis with myelofibrosis, in relapse
260	KWASHIORKOR	C946	Myelodysplastic disease, not classified
261	NUTRITIONAL MARASMUS	D4622	Refractory anemia with excess of blasts 2
262	OTH SEVERE MALNUTRITION	D471	Chronic myeloproliferative disease
27900	HYPOGAMMAGLOBULINEM NOS	D479	Neoplasm of uncertain behavior of lymphoid, hematopoietic and related tissue, unspecified
27901	SELECTIVE IGA IMMUNODEF	D47Z1	Post-transplant lymphoproliferative disorder (PTLD)
27902	SELECTIVE IGM IMMUNODEF	D47Z9	Other specified neoplasms of uncertain behavior of lymphoid, hematopoietic and related tissue
27903	SELECTIVE IG DEFIC NEC	D6109	Other constitutional aplastic anemia
27904	CONG HYPOGAMMAGLOBULINEM	D61810	Antineoplastic chemotherapy induced pancytopenia
27905	IMMUNODEFIC W HYPER-IGM	D61811	Other drug-induced pancytopenia
27906	COMMON VARIABL IMMUNODEF	D61818	Other pancytopenia
27909	HUMORAL IMMUNITY DEF NEC	D700	Congenital agranulocytosis
27910	IMMUNDEF T-CELL DEF NOS	D701	Agranulocytosis secondary to cancer chemotherapy
27911	DIGEORGES SYNDROME	D702	Other drug-induced agranulocytosis
27912	WISKOTT-ALDRICH SYNDROME	D704	Cyclic neutropenia

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27913	NEZELOFS SYNDROME	D708	Other neutropenia
27919	DEFIC CELL IMMUNITY NOS	D709	Neutropenia, unspecified
2792	COMBINED IMMUNITY DEFICIENCY	D71	Functional disorders of polymorphonuclear neutrophils
2793	UNSPECIFIED IMMUNITY DEFICIENCY	D720	Genetic anomalies of leukocytes
2794	AUTOIMMUNE DISEASE, NOT ELSEWHERE CLASSIFIED	D72810	Lymphocytopenia
27941	AUTOIMMUN LYMPH PROF SYND	D72818	Other decreased white blood cell count
27949	AUTOIMMUNE DISEASE NEC	D72819	Decreased white blood cell count, unspecified
27950	GRAFT-VERSUS-HOST NOS	D7381	Neutropenic splenomegaly
27951	AC GRAFT-VERSUS-HOST DIS	D7581	Myelofibrosis
27952	CHRONC GRAFT-VS-HOST DIS	D761	Hemophagocytic lymphohistiocytosis
27953	AC ON CHRN GRFT-VS-HOST	D762	Hemophagocytic syndrome, infection-associated
2798	OTHER SPECIFIED DISORDERS INVOLVING THE IMMUNE MECHANISM	D763	Other histiocytosis syndromes
2799	UNSPECIFIED DISORDER OF IMMUNE MECHANISM	D800	Hereditary hypogammaglobulinemia
28409	CONST APLASTC ANEMIA NEC	D801	Nonfamilial hypogammaglobulinemia
2841	PANCYTOPENIA	D802	Selective deficiency of immunoglobulin A [IgA]
28411	ANTINEOPLASTIC CHEMOTHERAPY INDUCED PANCYTOPENIA	D803	Selective deficiency of immunoglobulin G [IgG] subclasses
28412	OTHER DRUG INDUCED PANCYTOPENIA	D804	Selective deficiency of immunoglobulin M [IgM]
28419	OTHER PANCYTOPENIA	D805	Immunodeficiency with increased immunoglobulin M [IgM]
2880	AGRANULOCYTOSIS	D806	Antibody deficiency with near-normal immunoglobulins or with hyperimmunoglobulinemia
28800	NEUTROPENIA NOS	D807	Transient hypogammaglobulinemia of infancy
28801	CONGENITAL NEUTROPENIA	D808	Other immunodeficiencies with predominantly antibody defects
28802	CYCLIC NEUTROPENIA	D809	Immunodeficiency with predominantly antibody defects, unspecified
28803	DRUG INDUCED NEUTROPENIA	D810	Severe combined immunodeficiency [SCID] with reticular dysgenesis

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28809	NEUTROPENIA NEC	D811	Severe combined immunodeficiency [SCID] with low T- and B-cell numbers
2881	FUNCTION DIS NEUTROPHILS	D812	Severe combined immunodeficiency [SCID] with low or normal B-cell numbers
2882	GENETIC ANOMALY LEUKOCYT	D814	Nezelofs syndrome
2884	HEMOPHAGOCYTIC SYNDROMES	D816	Major histocompatibility complex class I deficiency
28850	LEUKOCYTOPENIA NOS	D817	Major histocompatibility complex class II deficiency
28851	LYMPHOCYTOPENIA	D8189	Other combined immunodeficiencies
28859	DECREASED WBC COUNT NEC	D819	Combined immunodeficiency, unspecified
28953	NEUTROPENIC SPLENOMEGALY	D820	Wiskott-Aldrich syndrome
28983	MYELOFIBROSIS	D821	Di Georges syndrome
40301	MAL HYP KIDNEY W CHR KID	D822	Immunodeficiency with short-limbed stature
40311	BEN HYP KIDNEY W CHR KID	D823	Immunodeficiency following hereditary defective response to Epstein-Barr virus
40391	HYP KIDNEY NOS W CHR KID	D824	Hyperimmunoglobulin E [IgE] syndrome
40402	MAL HY HRT/KID W CHR KID	D828	Immunodeficiency associated with other specified major defects
40403	MAL HYP HRT/KID W HF/KID	D829	Immunodeficiency associated with major defect, unspecified
40412	BEN HYP HT/KID W CHR KID	D830	Common variable immunodeficiency with predominant abnormalities of B-cell numbers and function
40413	BEN HYP HT/KID W HF/KID	D831	Common variable immunodeficiency with predominant immunoregulatory T-cell disorders
40492	HYP HT/KID NOS W CHR KID	D832	Common variable immunodeficiency with autoantibodies to B- or T-cells
40493	HYP HRT/KID NOS W HF/KID	D838	Other common variable immunodeficiencies
5793	INTEST POSTOP NONABSORB	D839	Common variable immunodeficiency, unspecified
585	CHRONIC RENAL FAILURE	D840	Lymphocyte function antigen-1 [LFA-1] defect
5855	CHRON KIDNEY DIS STAGE V	D841	Defects in the complement system
5856	END STAGE RENAL DISEASE	D848	Other specified immunodeficiencies
9968	COMPLICATIONS OF TRANSPLANTED ORGAN	D849	Immunodeficiency, unspecified

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99680	COMP ORGAN TRANSPLNT NOS	D893	Immune reconstitution syndrome
99681	COMPL KIDNEY TRANSPLANT	D89810	Acute graft-versus-host disease
99682	COMPL LIVER TRANSPLANT	D89811	Chronic graft-versus-host disease
99683	COMPL HEART TRANSPLANT	D89812	Acute on chronic graft-versus-host disease
99684	COMPL LUNG TRANSPLANT	D89813	Graft-versus-host disease, unspecified
99685	COMPL MARROW TRANSPLANT	D8982	Autoimmune lymphoproliferative syndrome [ALPS]
99686	COMPL PANCREAS TRANSPLNT	D8989	Other specified disorders involving the immune mechanism, not elsewhere classified
99687	COMP INTESTINE TRANSPLNT	D899	Disorder involving the immune mechanism, unspecified
99688	STEM CELL TRANSPLANT COMPLICATIONS	E40	Kwashiorkor
99689	COMP OTH ORGAN TRANSPLNT	E41	Nutritional marasmus
V420	KIDNEY REPLACED BY TRANSPLANT	E42	Marasmic kwashiorkor
V421	HEART REPLACED BY TRANSPLANT	E43	Unspecified severe protein-calorie malnutrition
V426	LUNG REPLACED BY TRANSPLANT	I120	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease
V427	LIVER REPLACED BY TRANSPLANT	I1311	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease
V428	OTHER SPECIFIED ORGAN OR TISSUE	I132	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
V4281	BONE MARROW SPECIFIED BY TRANSPLANT	K912	Postsurgical malabsorption, not elsewhere classified
V4282	PERIPHERAL STEM CELLS REPLACED BY TRANSPLANT	M359	Systemic involvement of connective tissue, unspecified
V4283	PANCREAS REPLACED BY TRANSPLANT	N185	Chronic kidney disease, stage 5
V4284	INTESTINES REPLACE BY TRANSPLANT	N186	End stage renal disease
V4289	OTHER REPLACED BY TRANSPLANT	T8600	Unspecified complication of bone marrow transplant
V451	RENAL DIALYSIS STATUS	T8601	Bone marrow transplant rejection
V4511	RENAL DIALYSIS STATUS	T8602	Bone marrow transplant failure

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V560	RENAL DIALYSIS ENCOUNTER	T8603	Bone marrow transplant infection
V561	FT/ADJ XTRCORP DIAL CATH	T8609	Other complications of bone marrow transplant
V562	FIT/ADJ PERIT DIAL CATH	T8610	Unspecified complication of kidney transplant
		T8611	Kidney transplant rejection
		T8612	Kidney transplant failure
		T8613	Kidney transplant infection
		T8619	Other complication of kidney transplant
		T8620	Unspecified complication of heart transplant
		T8621	Heart transplant rejection
		T8622	Heart transplant failure
		T8623	Heart transplant infection
		T86290	Cardiac allograft vasculopathy
		T86298	Other complications of heart transplant
		T8630	Unspecified complication of heart-lung transplant
		T8631	Heart-lung transplant rejection
		T8632	Heart-lung transplant failure
		T8633	Heart-lung transplant infection
		T8639	Other complications of heart-lung transplant
		T8640	Unspecified complication of liver transplant
		T8641	Liver transplant rejection
		T8642	Liver transplant failure
		T8643	Liver transplant infection
		T8649	Other complications of liver transplant
		T865	Complications of stem cell transplant
		T86810	Lung transplant rejection
		T86811	Lung transplant failure
		T86812	Lung transplant infection
		T86818	Other complications of lung transplant
		T86819	Unspecified complication of lung transplant
		T86830	Bone graft rejection
		T86831	Bone graft failure
		T86832	Bone graft infection

T86838	Other complications of bone graft
T86839	Unspecified complication of bone graft
T86850	Intestine transplant rejection
T86851	Intestine transplant failure
T86852	Intestine transplant infection
T86858	Other complications of intestine transplant
T86859	Unspecified complication of intestine transplant
T86890	Other transplanted tissue rejection
T86891	Other transplanted tissue failure
T86892	Other transplanted tissue infection
T86898	Other complications of other transplanted tissue
T86899	Unspecified complication of other transplanted tissue
T8690	Unspecified complication of unspecified transplanted organ and tissue
T8691	Unspecified transplanted organ and tissue rejection
T8692	Unspecified transplanted organ and tissue failure
T8693	Unspecified transplanted organ and tissue infection
T8699	Other complications of unspecified transplanted organ and tissue
Z4821	Encounter for aftercare following heart transplant
Z4822	Encounter for aftercare following kidney transplant
Z4823	Encounter for aftercare following liver transplant
Z4824	Encounter for aftercare following lung transplant
Z48280	Encounter for aftercare following heart-lung transplant
Z48290	Encounter for aftercare following bone marrow transplant
Z48298	Encounter for aftercare following other organ transplant
Z4901	Encounter for fitting and adjustment of extracorporeal dialysis catheter

Z4902	Encounter for fitting and adjustment of peritoneal dialysis catheter
Z4931	Encounter for adequacy testing for hemodialysis
Z940	Kidney transplant status
Z941	Heart transplant status
Z942	Lung transplant status
Z943	Heart and lungs transplant status
Z944	Liver transplant status
Z9481	Bone marrow transplant status
Z9482	Intestine transplant status
Z9483	Pancreas transplant status
Z9484	Stem cells transplant status
Z9489	Other transplanted organ and tissue status
Z992	Dependence on renal dialysis

<i>Immunocompromised State Procedure</i>

0018	INFUS IMMUNOSUP ANTIBODY	02YA0Z0	Transplantation of Heart, Allogeneic, Open Approach
335	LUNG TRANSPLANT	02YA0Z2	Transplantation of Heart, Zooplastic, Open Approach
3350	LUNG TRANSPLANT NOS	0BYC0Z0	Transplantation of Right Upper Lung Lobe, Allogeneic, Open Approach
3351	UNILAT LUNG TRANSPLANT	0BYC0Z2	Transplantation of Right Upper Lung Lobe, Zooplastic, Open Approach
3352	BILAT LUNG TRANSPLANT	0BYD0Z0	Transplantation of Right Middle Lung Lobe, Allogeneic, Open Approach
336	COMBINED HEART-LUNG TRANSPLANTATION	0BYD0Z2	Transplantation of Right Middle Lung Lobe, Zooplastic, Open Approach
375	HEART TRANSPLANTATION	0BYF0Z0	Transplantation of Right Lower Lung Lobe, Allogeneic, Open Approach
3751	HEART TRANSPLANTATION	0BYF0Z2	Transplantation of Right Lower Lung Lobe, Zooplastic, Open Approach
410	OPERATIONS ON BONE MARROW AND SPLEEN	0BYG0Z0	Transplantation of Left Upper Lung Lobe, Allogeneic, Open Approach
4100	BONE MARROW TRNSPLNT NOS	0BYG0Z2	Transplantation of Left Upper Lung Lobe, Zooplastic, Open Approach
4101	AUTO BONE MT W/O PURG	0BYH0Z0	Transplantation of Lung Lingula, Allogeneic, Open Approach
4102	ALO BONE MARROW TRNSPLNT	0BYH0Z2	Transplantation of Lung Lingula, Zooplastic, Open Approach
4103	ALLOGRFT BONE MARROW NOS	0BYJ0Z0	Transplantation of Left Lower Lung Lobe, Allogeneic, Open Approach

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4104	AUTO HEM STEM CT W/O PUR	0BYJ0Z2	Transplantation of Left Lower Lung Lobe, Zooplastic, Open Approach
4105	ALLO HEM STEM CT W/O PUR	0BYK0Z0	Transplantation of Right Lung, Allogeneic, Open Approach
4106	CORD BLD STEM CELL TRANS	0BYK0Z2	Transplantation of Right Lung, Zooplastic, Open Approach
4107	AUTO HEM STEM CT W PURG	0BYL0Z0	Transplantation of Left Lung, Allogeneic, Open Approach
4108	ALLO HEM STEM CT W PURG	0BYL0Z2	Transplantation of Left Lung, Zooplastic, Open Approach
4109	AUTO BONE MT W PURGING	0BYM0Z0	Transplantation of Bilateral Lungs, Allogeneic, Open Approach
5051	AUXILIARY LIVER TRANSPL	0BYM0Z2	Transplantation of Bilateral Lungs, Zooplastic, Open Approach
5059	LIVER TRANSPLANT NEC	0FSG0ZZ	Reposition Pancreas, Open Approach
5280	PANCREATIC TRANSPLANT, NOS	0FSG4ZZ	Reposition Pancreas, Percutaneous Endoscopic Approach
5281	REIMPLANTATION OF PANCREATIC TISSUE	0FY00Z0	Transplantation of Liver, Allogeneic, Open Approach
5282	REIMPLANTATION OF PANCREATIC TISSUE	0FY00Z2	Transplantation of Liver, Zooplastic, Open Approach
5283	HETEROTRANSPLANT OF PANCREAS	0FYG0Z0	Transplantation of Pancreas, Allogeneic, Open Approach
5285	ALLOTTRANSPLANTATION OF CELLS OF ISLETS OF LINGERHANS	0FYG0Z2	Transplantation of Pancreas, Zooplastic, Open Approach
5286	TRANSPLANTATION OF CELLS OF ISLETS OF LANGERHANS, NOS	0TY00Z0	Transplantation of Right Kidney, Allogeneic, Open Approach
5569	OTHER KIDNEY TRANSPLANTATION	0TY00Z2	Transplantation of Right Kidney, Zooplastic, Open Approach
		0TY10Z0	Transplantation of Left Kidney, Allogeneic, Open Approach
		0TY10Z2	Transplantation of Left Kidney, Zooplastic, Open Approach
		30230AZ	Transfusion of Embryonic Stem Cells into Peripheral Vein, Open Approach
		30230G0	Transfusion of Autologous Bone Marrow into Peripheral Vein, Open Approach
		30230G1	Transfusion of Nonautologous Bone Marrow into Peripheral Vein, Open Approach
		30230X0	Transfusion of Autologous Cord Blood Stem Cells into Peripheral Vein, Open Approach

30230X1	Transfusion of Nonautologous Cord Blood Stem Cells into Peripheral Vein, Open Approach
30230Y0	Transfusion of Autologous Hematopoietic Stem Cells into Peripheral Vein, Open Approach
30230Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Peripheral Vein, Open Approach
30233AZ	Transfusion of Embryonic Stem Cells into Peripheral Vein, Percutaneous Approach
30233G0	Transfusion of Autologous Bone Marrow into Peripheral Vein, Percutaneous Approach
30233G1	Transfusion of Nonautologous Bone Marrow into Peripheral Vein, Percutaneous Approach
30233X0	Transfusion of Autologous Cord Blood Stem Cells into Peripheral Vein, Percutaneous Approach
30233X1	Transfusion of Nonautologous Cord Blood Stem Cells into Peripheral Vein, Percutaneous Approach
30233Y0	Transfusion of Autologous Hematopoietic Stem Cells into Peripheral Vein, Percutaneous Approach
30233Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Peripheral Vein, Percutaneous Approach
30240AZ	Transfusion of Embryonic Stem Cells into Central Vein, Open Approach
30240G0	Transfusion of Autologous Bone Marrow into Central Vein, Open Approach
30240G1	Transfusion of Nonautologous Bone Marrow into Central Vein, Open Approach
30240X0	Transfusion of Autologous Cord Blood Stem Cells into Central Vein, Open Approach

30240X1	Transfusion of Nonautologous Cord Blood Stem Cells into Central Vein, Open Approach
30240Y0	Transfusion of Autologous Hematopoietic Stem Cells into Central Vein, Open Approach
30240Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Central Vein, Open Approach
30243AZ	Transfusion of Embryonic Stem Cells into Central Vein, Percutaneous Approach
30243G0	Transfusion of Autologous Bone Marrow into Central Vein, Percutaneous Approach
30243G1	Transfusion of Nonautologous Bone Marrow into Central Vein, Percutaneous Approach
30243X0	Transfusion of Autologous Cord Blood Stem Cells into Central Vein, Percutaneous Approach
30243X1	Transfusion of Nonautologous Cord Blood Stem Cells into Central Vein, Percutaneous Approach
30243Y0	Transfusion of Autologous Hematopoietic Stem Cells into Central Vein, Percutaneous Approach
30243Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Central Vein, Percutaneous Approach
30250G0	Transfusion of Autologous Bone Marrow into Peripheral Artery, Open Approach
30250G1	Transfusion of Nonautologous Bone Marrow into Peripheral Artery, Open Approach
30250X0	Transfusion of Autologous Cord Blood Stem Cells into Peripheral Artery, Open Approach
30250X1	Transfusion of Nonautologous Cord Blood Stem Cells into Peripheral Artery, Open Approach

30250Y0	Transfusion of Autologous Hematopoietic Stem Cells into Peripheral Artery, Open Approach
30250Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Peripheral Artery, Open Approach
30253G0	Transfusion of Autologous Bone Marrow into Peripheral Artery, Percutaneous Approach
30253G1	Transfusion of Nonautologous Bone Marrow into Peripheral Artery, Percutaneous Approach
30253X0	Transfusion of Autologous Cord Blood Stem Cells into Peripheral Artery, Percutaneous Approach
30253X1	Transfusion of Nonautologous Cord Blood Stem Cells into Peripheral Artery, Percutaneous Approach
30253Y0	Transfusion of Autologous Hematopoietic Stem Cells into Peripheral Artery, Percutaneous Approach
30253Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Peripheral Artery, Percutaneous Approach
30260G0	Transfusion of Autologous Bone Marrow into Central Artery, Open Approach
30260G1	Transfusion of Nonautologous Bone Marrow into Central Artery, Open Approach
30260X0	Transfusion of Autologous Cord Blood Stem Cells into Central Artery, Open Approach
30260X1	Transfusion of Nonautologous Cord Blood Stem Cells into Central Artery, Open Approach
30260Y0	Transfusion of Autologous Hematopoietic Stem Cells into Central Artery, Open Approach
30260Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Central Artery, Open Approach

30263G0	Transfusion of Autologous Bone Marrow into Central Artery, Percutaneous Approach
30263G1	Transfusion of Nonautologous Bone Marrow into Central Artery, Percutaneous Approach
30263X0	Transfusion of Autologous Cord Blood Stem Cells into Central Artery, Percutaneous Approach
30263X1	Transfusion of Nonautologous Cord Blood Stem Cells into Central Artery, Percutaneous Approach
30263Y0	Transfusion of Autologous Hematopoietic Stem Cells into Central Artery, Percutaneous Approach
30263Y1	Transfusion of Nonautologous Hematopoietic Stem Cells into Central Artery, Percutaneous Approach
3E03005	Introduction of Other Antineoplastic into Peripheral Vein, Open Approach
3E0300M	Introduction of Monoclonal Antibody into Peripheral Vein, Open Approach
3E030U0	Introduction of Autologous Pancreatic Islet Cells into Peripheral Vein, Open Approach
3E030U1	Introduction of Nonautologous Pancreatic Islet Cells into Peripheral Vein, Open Approach
3E030WL	Introduction of Immunosuppressive into Peripheral Vein, Open
3E03305	Introduction of Other Antineoplastic into Peripheral Vein, Percutaneous Approach
3E0330M	Introduction of Monoclonal Antibody into Peripheral Vein, Percutaneous Approach
3E033U0	Introduction of Autologous Pancreatic Islet Cells into Peripheral Vein, Percutaneous Approach
3E033U1	Introduction of Nonautologous Pancreatic Islet Cells into Peripheral Vein, Percutaneous Approach

3E033WL	Introduction of Immunosuppressive into Peripheral Vein, Percutaneous
3E04005	Introduction of Other Antineoplastic into Central Vein, Open Approach
3E0400M	Introduction of Monoclonal Antibody into Central Vein, Open Approach
3E040WL	Introduction of Immunosuppressive into Central Vein, Open
3E04305	Introduction of Other Antineoplastic into Central Vein, Percutaneous Approach
3E0430M	Introduction of Monoclonal Antibody into Central Vein, Percutaneous Approach
3E043WL	Introduction of Immunosuppressive into Central Vein, Percutaneous
3E05005	Introduction of Other Antineoplastic into Peripheral Artery, Open Approach
3E0500M	Introduction of Monoclonal Antibody into Peripheral Artery, Open Approach
3E050WL	Introduction of Immunosuppressive into Peripheral Artery, Open
3E05305	Introduction of Other Antineoplastic into Peripheral Artery, Percutaneous Approach
3E0530M	Introduction of Monoclonal Antibody into Peripheral Artery, Percutaneous Approach
3E053WL	Introduction of Immunosuppressive into Peripheral Artery, Percutaneous
3E06005	Introduction of Other Antineoplastic into Central Artery, Open Approach
3E0600M	Introduction of Monoclonal Antibody into Central Artery, Open Approach
3E060WL	Introduction of Immunosuppressive into Central Artery, Open
3E06305	Introduction of Other Antineoplastic into Central Artery, Percutaneous Approach
3E0630M	Introduction of Monoclonal Antibody into Central Artery, Percutaneous Approach

3E063WL Introduction of Immunosuppressive into
Central Artery, Percutaneous