

Central Venous Catheter-Related Blood Stream Infection Rate Technical Specifications

Pediatric Quality Indicators #12 (PDI #12)

AHRQ Quality Indicators™, Version 4.5, May 2013

Provider-Level Indicator

Type of Score: Rate

Description

Central venous catheter-related bloodstream infections (secondary diagnosis) per 1,000 medical and surgical discharges for patients ages 17 years and younger. Includes metrics for discharges grouped by risk category. Excludes cases with a principal diagnosis of a central venous catheter-related bloodstream infection, cases with a secondary diagnosis of a central venous catheter-related bloodstream infection present on admission, normal newborns, neonates with a birth weight of less than 500 grams, cases with stays less than two (2) days, and obstetric cases.

[NOTE: The software provides the rate per hospital discharge. However, common practice reports the measure as per 1,000 discharges. The user must multiply the rate obtained from the software by 1,000 to report events per 1,000 hospital discharges.]

[NOTE: To obtain stratified results, the user must run the PDSASG2.SAS program in the SAS QI Software Version 4.5 or choose to stratify by risk category in the Windows QI Software Version 4.5]

Numerator

Overall:

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any secondary ICD-9-CM diagnosis codes for selected infections.

For discharges prior to October 1, 2007, the selected infections are:

ICD-9-CM Hospital-associated infection diagnosis codes¹:

99662 REACT-OTH VASC DEV/GRAFT 9993 OTHER INFECTION

¹ The procedure or diagnosis codes are continuously updated. The current list of ICD-9-CM codes is valid for October 2012 through September 2013. Italicized codes are not active in Fiscal Year 2013.

For discharges on or after October 1, 2007 but before October 1, 2011, the selected infection is:

ICD-9-CM Central venous catheter-related blood stream infection diagnosis code:
99931 OTH/UNS INF-CEN VEN CATH

For discharges on or after October 1, 2011, the selected infections are:

ICD-9-CM Central venous catheter-related blood stream infection diagnosis code:
99931 OTH/UNS INF-CEN VEN CATH 99932 BLOOD INF DT CEN VEN CTH

High Risk Category:

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any secondary ICD-9-CM diagnosis codes for selected infections (see above).

Intermediate Risk Category:

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any secondary ICD-9-CM diagnosis codes for selected infections (see above).

Low Risk Category:

Discharges, among cases meeting the inclusion and exclusion rules for the denominator, with any secondary ICD-9-CM diagnosis codes for selected infections (see above).

Denominator

Overall:

Surgical and medical discharges, for patients ages 17 years and younger. Surgical and medical discharges are defined by specific DRG or MS-DRG codes.

See *Pediatric Quality Indicators Appendices*:

- Appendix B – Surgical DRGs
- Appendix C – Surgical MS-DRGs
- Appendix D – Medical DRGs
- Appendix E – Medical MS-DRGs

Exclude cases:

- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission) for selected infections (as defined by the numerator, see above)
- normal newborns
- neonates with birth weight less than 500 grams (Birth Weight Category 1)
- with length of stay less than two (2) days
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year

(YEAR=missing) or principal diagnosis (DX1=missing)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of, Neonate, Newborn, Normal Newborn, and Outborn
- Appendix L – Low Birth Weight Categories

High Risk Category:

Surgical and medical discharges, for patients ages 17 years and younger, with any-listed ICD-9-CM diagnosis codes for high-risk immunocompromised state or any-listed ICD-9-CM procedure codes for transplant or any-listed ICD-9-CM diagnosis codes for cancer. Surgical and medical discharges are defined by specific DRG or MS-DRG codes.

See *Pediatric Quality Indicators Appendices*:

- Appendix B – Surgical DRGs
- Appendix C – Surgical MS-DRGs
- Appendix D – Medical DRGs
- Appendix E – Medical MS-DRGs
- Appendix F – High-Risk Immunocompromised States

ICD-9-CM Transplant procedure codes¹:

335	<i>LUNG TRANSPLANT</i>	4105	ALLO HEM STEM CT W/O PUR
3350	LUNG TRANSPLANT NOS	4106	CORD BLD STEM CELL TRANS
3351	UNILAT LUNG TRANSPLANT	4107	AUTO HEM STEM CT W PURG
3352	BILAT LUNG TRANSPLANT	4108	ALLO HEM STEM CT W PURG
336	COMB HEART/LUNG TRANSPLA	4109	AUTO BONE MT W PURGING
375	<i>HEART TRANSPLANTATION</i>	5051	AUXILIARY LIVER TRANSPL
3751	HEART TRANSPLANTATION	5059	LIVER TRANSPLANT NEC
410	<i>OPERATIONS ON BONE MAROW AND SPLEEN</i>	5280	PANCREAT TRANSPLANT NOS
4100	BONE MARROW TRNSPLNT NOS	5281	REIMPLANT PANCREATIC TIS
4101	AUTO BONE MT W/O PURG	5282	PANCREATIC HOMOTRANSPLAN
4102	ALO BONE MARROW TRNSPLNT	5283	PANCREATIC HETEROTRANSPL
4103	ALLOGRFT BONE MARROW NOS	5285	ALLOTRNSPLNT ISLETS LANG
4104	AUTO HEM STEM CT W/O PUR	5286	TRNSPLNT ISLETS LANG NOS
		5569	KIDNEY TRANSPLANT NEC

¹The procedure or diagnosis codes are continuously updated. The current list of ICD-9-CM codes is valid for October 2012 through September 2013. Italicized codes are not active in Fiscal Year 2013.

ICD-9-CM Cancer diagnosis codes¹

1400	MAL NEO UPPER VERMILION	1419	MALIG NEO TONGUE NOS
1401	MAL NEO LOWER VERMILION	1420	MALIG NEO PAROTID
1403	MAL NEO UPPER LIP, INNER	1421	MALIG NEO SUBMANDIBULAR
1404	MAL NEO LOWER LIP, INNER	1422	MALIG NEO SUBLINGUAL
1405	MAL NEO LIP, INNER NOS	1428	MAL NEO MAJ SALIVARY NEC
1406	MAL NEO LIP, COMMISSURE	1429	MAL NEO SALIVARY NOS
1408	MAL NEO LIP NEC	1430	MALIG NEO UPPER GUM
1409	MAL NEO LIP/VERMIL NOS	1431	MALIG NEO LOWER GUM
1410	MAL NEO TONGUE BASE	1438	MALIG NEO GUM NEC
1411	MAL NEO DORSAL TONGUE	1439	MALIG NEO GUM NOS
1412	MAL NEO TIP/LAT TONGUE	1440	MAL NEO ANT FLOOR MOUTH
1413	MAL NEO VENTRAL TONGUE	1441	MAL NEO LAT FLOOR MOUTH
1414	MAL NEO ANT 2/3 TONGUE	1448	MAL NEO MOUTH FLOOR NEC
1415	MAL NEO TONGUE JUNCTION	1449	MAL NEO MOUTH FLOOR NOS
1416	MAL NEO LINGUAL TONSIL	1450	MAL NEO CHEEK MUCOSA
1418	MALIG NEO TONGUE NEC	1451	MAL NEO MOUTH VESTIBULE

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1452	MALIG NEO HARD PALATE	1535	MALIGNANT NEO APPENDIX
1453	MALIG NEO SOFT PALATE	1536	MALIG NEO ASCEND COLON
1454	MALIGNANT NEOPLASM UVULA	1537	MAL NEO SPLENIC FLEXURE
1455	MALIGNANT NEO PALATE NOS	1538	MALIGNANT NEO COLON NEC
1456	MALIG NEO RETROMOLAR	1539	MALIGNANT NEO COLON NOS
1458	MALIG NEOPLASM MOUTH NEC	1540	MAL NEO RECTOSIGMOID JCT
1459	MALIG NEOPLASM MOUTH NOS	1541	MALIGNANT NEOPL RECTUM
1460	MALIGNANT NEOPL TONSIL	1542	MALIG NEOPL ANAL CANAL
1461	MAL NEO TONSILLAR FOSSA	1543	MALIGNANT NEO ANUS NOS
1462	MAL NEO TONSIL PILLARS	1548	MAL NEO RECTUM/ANUS NEC
1463	MALIGN NEOPL VALLECULA	1550	MAL NEO LIVER, PRIMARY
1464	MAL NEO ANT EPIGLOTTIS	1551	MAL NEO INTRAHEPAT DUCTS
1465	MAL NEO EPIGLOTTIS JUNCT	1552	MALIGNANT NEO LIVER NOS
1466	MAL NEO LAT OROPHARYNX	1560	MALIG NEO GALLBLADDER
1467	MAL NEO POST OROPHARYNX	1561	MAL NEO EXTRAHEPAT DUCTS
1468	MAL NEO OROPHARYNX NEC	1562	MAL NEO AMPULLA OF VATER
1469	MALIG NEO OROPHARYNX NOS	1568	MALIG NEO BILIARY NEC
1470	MAL NEO SUPER NASOPHARYNX	1569	MALIG NEO BILIARY NOS
1471	MAL NEO POST NASOPHARYNX	1570	MAL NEO PANCREAS HEAD
1472	MAL NEO LAT NASOPHARYNX	1571	MAL NEO PANCREAS BODY
1473	MAL NEO ANT NASOPHARYNX	1572	MAL NEO PANCREAS TAIL
1478	MAL NEO NASOPHARYNX NEC	1573	MAL NEO PANCREATIC DUCT
1479	MAL NEO NASOPHARYNX NOS	1574	MAL NEO ISLET LANGERHANS
1480	MAL NEO POSTCRICOID	1578	MALIG NEO PANCREAS NEC
1481	MAL NEO PYRIFORM SINUS	1579	MALIG NEO PANCREAS NOS
1482	MAL NEO ARYEPIGLOTT FOLD	1580	MAL NEO RETROPERITONEUM
1483	MAL NEO POST HYPOPHARYNX	1588	MAL NEO PERITONEUM NEC
1488	MAL NEO HYPOPHARYNX NEC	1589	MAL NEO PERITONEUM NOS
1489	MAL NEO HYPOPHARYNX NOS	1590	MALIG NEO INTESITINE NOS
1490	MAL NEO PHARYNX NOS	1591	MALIGNANT NEO SPLEEN NEC
1491	MAL NEO WALDEYER'S RING	1598	MAL NEO GI/INTRA-ABD NEC
1498	MAL NEO ORAL/PHARYNX NEC	1599	MAL NEO GI TRACT ILL-DEF
1499	MAL NEO OROPHRYN ILL-DEF	1600	MAL NEO NASAL CAVITIES
1500	MAL NEO CERVICAL ESOPHAG	1601	MALIG NEO MIDDLE EAR
1501	MAL NEO THORACIC ESOPHAG	1602	MAL NEO MAXILLARY SINUS
1502	MAL NEO ABDOMIN ESOPHAG	1603	MAL NEO ETHMOIDAL SINUS
1503	MAL NEO UPPER 3RD ESOPH	1604	MALIG NEO FRONTAL SINUS
1504	MAL NEO MIDDLE 3RD ESOPH	1605	MAL NEO SPHENOID SINUS
1505	MAL NEO LOWER 3RD ESOPH	1608	MAL NEO ACCESS SINUS NEC
1508	MAL NEO ESOPHAGUS NEC	1609	MAL NEO ACCESS SINUS NOS
1509	MAL NEO ESOPHAGUS NOS	1610	MALIGNANT NEO GLOTTIS
1510	MAL NEO STOMACH CARDIA	1611	MALIG NEO SUPRAGLOTTIS
1511	MALIGNANT NEO PYLORUS	1612	MALIG NEO SUBGLOTTIS
1512	MAL NEO PYLORIC ANTRUM	1613	MAL NEO CARTILAGE LARYNX
1513	MAL NEO STOMACH FUNDUS	1618	MALIGNANT NEO LARYNX NEC
1514	MAL NEO STOMACH BODY	1619	MALIGNANT NEO LARYNX NOS
1515	MAL NEO STOM LESSER CURV	1620	MALIGNANT NEO TRACHEA
1516	MAL NEO STOM GREAT CURV	1622	MALIG NEO MAIN BRONCHUS
1518	MALIG NEOPL STOMACH NEC	1623	MAL NEO UPPER LOBE LUNG
1519	MALIG NEOPL STOMACH NOS	1624	MAL NEO MIDDLE LOBE LUNG
1520	MALIGNANT NEOPL DUODENUM	1625	MAL NEO LOWER LOBE LUNG
1521	MALIGNANT NEOPL JEJUNUM	1628	MAL NEO BRONCH/LUNG NEC
1522	MALIGNANT NEOPLASM ILEUM	1629	MAL NEO BRONCH/LUNG NOS
1523	MAL NEO MECKEL'S DIVERT	1630	MAL NEO PARIETAL PLEURA
1528	MAL NEO SMALL BOWEL NEC	1631	MAL NEO VISCERAL PLEURA
1529	MAL NEO SMALL BOWEL NOS	1638	MALIG NEOPL PLEURA NEC
1530	MAL NEO HEPATIC FLEXURE	1639	MALIG NEOPL PLEURA NOS
1531	MAL NEO TRANSVERSE COLON	1640	MALIGNANT NEOPL THYMUS
1532	MAL NEO DESCEND COLON	1641	MALIGNANT NEOPL HEART
1533	MAL NEO SIGMOID COLON	1642	MAL NEO ANT MEDIASTINUM
1534	MALIGNANT NEOPLASM CECUM	1643	MAL NEO POST MEDIASTINUM

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1648	MAL NEO MEDIASTINUM NEC	1828	MAL NEO BODY UTERUS NEC
1649	MAL NEO MEDIASTINUM NOS	1830	MALIGN NEOPL OVARY
1650	MAL NEO UPPER RESP NOS	1832	MAL NEO FALLOPIAN TUBE
1658	MAL NEO THORAX/RESP NEC	1833	MAL NEO BROAD LIGAMENT
1659	MAL NEO RESP SYSTEM NOS	1834	MALIG NEO PARAMETRIUM
1700	MAL NEO SKULL/FACE BONE	1835	MAL NEO ROUND LIGAMENT
1701	MALIGNANT NEO MANDIBLE	1838	MAL NEO ADNEXA NEC
1702	MALIG NEO VERTEBRAE	1839	MAL NEO ADNEXA NOS
1703	MAL NEO RIBS/STERN/CLAV	1840	MALIGN NEOPL VAGINA
1704	MAL NEO LONG BONES ARM	1841	MAL NEO LABIA MAJORA
1705	MAL NEO BONES WRIST/HAND	1842	MAL NEO LABIA MINORA
1706	MAL NEO PELVIC GIRDLE	1843	MALIGN NEOPL CLITORIS
1707	MAL NEO LONG BONES LEG	1844	MALIGN NEOPL VULVA NOS
1708	MAL NEO BONES ANKLE/FOOT	1848	MAL NEO FEMALE GENIT NEC
1709	MALIG NEOPL BONE NOS	1849	MAL NEO FEMALE GENIT NOS
1710	MAL NEO SOFT TISSUE HEAD	185	MALIGN NEOPL PROSTATE
1712	MAL NEO SOFT TISSUE ARM	1860	MAL NEO UNDESCEND TESTIS
1713	MAL NEO SOFT TISSUE LEG	1869	MALIG NEO TESTIS NEC
1714	MAL NEO SOFT TIS THORAX	1871	MALIGN NEOPL PREPUCE
1715	MAL NEO SOFT TIS ABDOMEN	1872	MALIG NEO GLANS PENIS
1716	MAL NEO SOFT TIS PELVIS	1873	MALIG NEO PENIS BODY
1717	MAL NEOPL TRUNK NOS	1874	MALIG NEO PENIS NOS
1718	MAL NEO SOFT TISSUE NEC	1875	MALIG NEO EPIDIDYMIS
1719	MAL NEO SOFT TISSUE NOS	1876	MAL NEO SPERMATIC CORD
1720	MALIG MELANOMA LIP	1877	MALIGN NEOPL SCROTUM
1721	MALIG MELANOMA EYELID	1878	MAL NEO MALE GENITAL NEC
1722	MALIG MELANOMA EAR	1879	MAL NEO MALE GENITAL NOS
1723	MAL MELANOM FACE NEC NOS	1880	MAL NEO BLADDER-TRIGONE
1724	MAL MELANOMA SCALP/NECK	1881	MAL NEO BLADDER-DOME
1725	MALIG MELANOMA TRUNK	1882	MAL NEO BLADDER-LATERAL
1726	MALIG MELANOMA ARM	1883	MAL NEO BLADDER-ANTERIOR
1727	MALIG MELANOMA LEG	1884	MAL NEO BLADDER-POST
1728	MALIG MELANOMA SKIN NEC	1885	MAL NEO BLADDER NECK
1729	MALIG MELANOMA SKIN NOS	1886	MAL NEO URETERIC ORIFICE
1740	MALIG NEO NIPPLE	1887	MALIG NEO URACHUS
1741	MAL NEO BREAST-CENTRAL	1888	MALIG NEO BLADDER NEC
1742	MAL NEO BREAST UP-INNER	1889	MALIG NEO BLADDER NOS
1743	MAL NEO BREAST LOW-INNER	1890	MALIG NEOPL KIDNEY
1744	MAL NEO BREAST UP-OUTER	1891	MALIG NEO RENAL PELVIS
1745	MAL NEO BREAST LOW-OUTER	1892	MALIGN NEOPL URETER
1746	MAL NEO BREAST-AXILLARY	1893	MALIGN NEOPL URETHRA
1748	MALIGN NEOPL BREAST NEC	1894	MAL NEO PARAURETHRAL
1749	MALIGN NEOPL BREAST NOS	1898	MAL NEO URINARY NEC
1750	MAL NEO MALE NIPPLE	1899	MAL NEO URINARY NOS
1759	MAL NEO MALE BREAST NEC	1900	MALIGN NEOPL EYEBALL
1760	SKIN – KAPOSI'S SARCOMA	1901	MALIGN NEOPL ORBIT
1761	SFT TISUE – KPSI'S SRCMA	1902	MAL NEO LACRIMAL GLAND
1762	PALATE – KPSI'S SARCOMA	1903	MAL NEO CONJUNCTIVA
1763	GI SITES – KPSI'S SRCOMA	1904	MALIGN NEOPL CORNEA
1764	LUNG – KAPOSI'S SARCOMA	1905	MALIGN NEOPL RETINA
1765	LYM NDS – KPSI'S SARCOMA	1906	MALIGN NEOPL CHOROID
1768	SPF STS – KPSI'S SARCOMA	1907	MAL NEO LACRIMAL DUCT
1769	KAPOSI'S SARCOMA NOS	1908	MALIGN NEOPL EYE NEC
179	MALIG NEOPL UTERUS NOS	1909	MALIGN NEOPL EYE NOS
1800	MALIG NEO ENDOCERVIX	1910	MALIGN NEOPL CEREBRUM
1801	MALIG NEO EXOCERVIX	1911	MALIG NEO FRONTAL LOBE
1808	MALIG NEO CERVIX NEC	1912	MAL NEO TEMPORAL LOBE
1809	MAL NEO CERVIX UTERI NOS	1913	MAL NEO PARIETAL LOBE
181	MALIGNANT NEOPL PLACENTA	1914	MAL NEO OCCIPITAL LOBE
1820	MALIG NEO CORPUS UTERI	1915	MAL NEO CEREB VENTRICLE
1821	MAL NEO UTERINE ISTHMUS	1916	MAL NEO CEREBELLUM NOS

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1917	MAL NEO BRAIN STEM	20106	HODGKINS PARAGRAN PELVIC
1918	MALIG NEO BRAIN NEC	20107	HODGKINS PARAGRAN SPLEEN
1919	MALIG NEO BRAIN NOS	20108	HODGKINS PARAGRAN MULT
1920	MAL NEO CRANIAL NERVES	20110	HDGK GRN UNSP XTRNDL ORG
1921	MAL NEO CEREBRAL MENING	20111	HODGKINS GRANULOM HEAD
1922	MAL NEO SPINAL CORD	20112	HODGKINS GRANULOM THORAX
1923	MAL NEO SPINAL MENINGES	20113	HODGKINS GRANULOM ABDOM
1928	MAL NEO NERVOUS SYST NEC	20114	HODGKINS GRANULOM AXILLA
1929	MAL NEO NERVOUS SYST NOS	20115	HODGKINS GRANULOM INGUIN
193	MALIGN NEOPL THYROID	20116	HODGKINS GRANULOM PELVIC
1940	MALIGN NEOPL ADRENAL	20117	HODGKINS GRANULOM SPLEEN
1941	MALIG NEO PARATHYROID	20118	HODGKINS GRANULOM MULT
1943	MALIG NEO PITUITARY	20120	HDGK SRC UNSP XTRNDL ORG
1944	MALIGN NEO PINEAL GLAND	20121	HODGKINS SARCOMA HEAD
1945	MAL NEO CAROTID BODY	20122	HODGKINS SARCOMA THORAX
1946	MAL NEO PARAGANGLIA NEC	20123	HODGKINS SARCOMA ABDOM
1948	MAL NEO ENDOCRINE NEC	20124	HODGKINS SARCOMA AXILLA
1949	MAL NEO ENDOCRINE NOS	20125	HODGKINS SARCOMA INGUIN
1950	MAL NEO HEAD/FACE/NECK	20126	HODGKINS SARCOMA PELVIC
1951	MALIGN NEOPL THORAX	20127	HODGKINS SARCOMA SPLEEN
1952	MALIG NEO ABDOMEN	20128	HODGKINS SARCOMA MULT
1953	MALIGN NEOPL PELVIS	20140	LYM-HST UNSP XTRNDL ORGN
1954	MALIGN NEOPL ARM	20141	HODG LYMPH-HISTIO HEAD
1955	MALIGN NEOPL LEG	20142	HODG LYMPH-HISTIO THORAX
1958	MALIG NEO SITE NEC	20143	HODG LYMPH-HISTIO ABDOM
1960	MAL NEO LYMPH-HEAD/NECK	20144	HODG LYMPH-HISTIO AXILLA
1961	MAL NEO LYMPH-INTRATHOR	20145	HODG LYMPH-HISTIO INGUIN
1962	MAL NEO LYMPH INTRA-ABD	20146	HODG LYMPH-HISTIO PELVIC
1963	MAL NEO LYMPH-AXILLA/ARM	20147	HODG LYMPH-HISTIO SPLEEN
1965	MAL NEO LYMPH-INGUIN/LEG	20148	HODG LYMPH-HISTIO MULT
1966	MAL NEO LYMPH-INTRAPELV	20150	NDR SCLR UNSP XTRNDL ORG
1968	MAL NEO LYMPH NODE-MULT	20151	HODG NODUL SCLERO HEAD
1969	MAL NEO LYMPH NODE NOS	20152	HODG NODUL SCLERO THORAX
1970	SECONDARY MALIG NEO LUNG	20153	HODG NODUL SCLERO ABDOM
1971	SEC MAL NEO MEDIASTINUM	20154	HODG NODUL SCLERO AXILLA
1972	SECOND MALIG NEO PLEURA	20155	HODG NODUL SCLERO INGUIN
1973	SEC MALIG NEO RESP NEC	20156	HODG NODUL SCLERO PELVIC
1974	SEC MALIG NEO SM BOWEL	20157	HODG NODUL SCLERO SPLEEN
1975	SEC MALIG NEO LG BOWEL	20158	HODG NODUL SCLERO MULT
1976	SEC MAL NEO PERITONEUM	20160	MXD CELR UNSP XTRNDL ORG
1977	SECOND MALIG NEO LIVER	20161	HODGKINS MIX CELL HEAD
1978	SEC MAL NEO GI NEC	20162	HODGKINS MIX CELL THORAX
1980	SECOND MALIG NEO KIDNEY	20163	HODGKINS MIX CELL ABDOM
1981	SEC MALIG NEO URIN NEC	20164	HODGKINS MIX CELL AXILLA
1982	SECONDARY MALIG NEO SKIN	20165	HODGKINS MIX CELL INGUIN
1983	SEC MAL NEO BRAIN/SPINE	20166	HODGKINS MIX CELL PELVIC
1984	SEC MALIG NEO NERVE NEC	20167	HODGKINS MIX CELL SPLEEN
1985	SECONDARY MALIG NEO BONE	20168	HODGKINS MIX CELL MULT
1986	SECOND MALIG NEO OVARY	20170	LYM DPLT UNSP XTRNDL ORG
1987	SECOND MALIG NEO ADRENAL	20171	HODG LYMPH DEPLET HEAD
19881	SECOND MALIG NEO BREAST	20172	HODG LYMPH DEPLET THORAX
19882	SECOND MALIG NEO GENITAL	20173	HODG LYMPH DEPLET ABDOM
19889	SECONDARY MALIG NEO NEC	20174	HODG LYMPH DEPLET AXILLA
1990	MALIG NEO DISSEMINATED	20175	HODG LYMPH DEPLET INGUIN
1991	MALIGNANT NEOPLASM NOS	20176	HODG LYMPH DEPLET PELVIC
20100	HDGK PRG UNSP XTRNDL ORG	20177	HODG LYMPH DEPLET SPLEEN
20101	HODGKINS PARAGRAN HEAD	20178	HODG LYMPH DEPLET MULT
20102	HODGKINS PARAGRAN THORAX	20190	HDGK DIS UNSP XTRNDL ORG
20103	HODGKINS PARAGRAN ABDOM	20191	HODGKINS DIS NOS HEAD
20104	HODGKINS PARAGRAN AXILLA	20192	HODGKINS DIS NOS THORAX
20105	HODGKINS PARAGRAN INGUIN	20193	HODGKINS DIS NOS ABDOM

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20194	HODGKINS DIS NOS AXILLA	20256	LETTERER-SIWE DIS PELVIC
20195	HODGKINS DIS NOS INGUIN	20257	LETTERER-SIWE DIS SPLEEN
20196	HODGKINS DIS NOS PELVIC	20258	LETTERER-SIWE DIS MULT
20197	HODGKINS DIS NOS SPLEEN	20260	MLG MAST UNSP XTRNDL ORG
20198	HODGKINS DIS NOS MULT	20261	MAL MASTOCYTOSIS HEAD
20200	NDLR LYM UNSP XTRNDL ORG	20262	MAL MASTOCYTOSIS THORAX
20201	NODULAR LYMPHOMA HEAD	20263	MAL MASTOCYTOSIS ABDOM
20202	NODULAR LYMPHOMA THORAX	20264	MAL MASTOCYTOSIS AXILLA
20203	NODULAR LYMPHOMA ABDOM	20265	MAL MASTOCYTOSIS INGUIN
20204	NODULAR LYMPHOMA AXILLA	20266	MAL MASTOCYTOSIS PELVIC
20205	NODULAR LYMPHOMA INGUIN	20267	MAL MASTOCYTOSIS SPLEEN
20206	NODULAR LYMPHOMA PELVIC	20268	MAL MASTOCYTOSIS MULT
20207	NODULAR LYMPHOMA SPLEEN	20280	OTH LYMP UNSP XTRNDL ORG
20208	NODULAR LYMPHOMA MULT	20281	LYMPHOMAS NEC HEAD
20210	MYCS FNG UNSP XTRNDL ORG	20282	LYMPHOMAS NEC THORAX
20211	MYCOSIS FUNGOIDES HEAD	20283	LYMPHOMAS NEC ABDOM
20212	MYCOSIS FUNGOIDES THORAX	20284	LYMPHOMAS NEC AXILLA
20213	MYCOSIS FUNGOIDES ABDOM	20285	LYMPHOMAS NEC INGUIN
20214	MYCOSIS FUNGOIDES AXILLA	20286	LYMPHOMAS NEC PELVIC
20215	MYCOSIS FUNGOIDES INGUIN	20287	LYMPHOMAS NEC SPLEEN
20216	MYCOSIS FUNGOIDES PELVIC	20288	LYMPHOMAS NEC MULT
20217	MYCOSIS FUNGOIDES SPLEEN	20290	UNSP LYM UNSP XTRNDL ORG
20218	MYCOSIS FUNGOIDES MULT	20291	LYMPHOID MAL NEC HEAD
20220	SZRY DIS UNSP XTRNDL ORG	20292	LYMPHOID MAL NEC THORAX
20221	SEZARY'S DISEASE HEAD	20293	LYMPHOID MAL NEC ABDOM
20222	SEZARY'S DISEASE THORAX	20294	LYMPHOID MAL NEC AXILLA
20223	SEZARY'S DISEASE ABDOM	20295	LYMPHOID MAL NEC INGUIN
20224	SEZARY'S DISEASE AXILLA	20296	LYMPHOID MAL NEC PELVIC
20225	SEZARY'S DISEASE INGUIN	20297	LYMPHOID MAL NEC SPLEEN
20226	SEZARY'S DISEASE PELVIC	20298	LYMPHOID MAL NEC MULT
20227	SEZARY'S DISEASE SPLEEN	2030	<i>MULTIPLE MYELOMA</i>
20228	SEZARY'S DISEASE MULT	20300	MULT MYELM W/O REMISSION
20230	MLG HIST UNSP XTRNDL ORG	20301	MULT MYELM W REMISSION
20231	MAL HISTIOCYTOSIS HEAD	2031	<i>PLASMA CELL LEUKEMIA</i>
20232	MAL HISTIOCYTOSIS THORAX	20310	PLS CL LEU W/O ACHV RMSN
20233	MAL HISTIOCYTOSIS ABDOM	20311	PLSM CELL LEUK W RMSN
20234	MAL HISTIOCYTOSIS AXILLA	2038	<i>IMMUNOPROLIFERAT NEO NEC</i>
20235	MAL HISTIOCYTOSIS INGUIN	20380	OTH IMNO NPL WO ACH RMSN
20236	MAL HISTIOCYTOSIS PELVIC	20381	OTH IMNPRFL NPL W RMSN
20237	MAL HISTIOCYTOSIS SPLEEN	2040	<i>ACUTE LYMPHOID LEUKEMIA</i>
20238	MAL HISTIOCYTOSIS MULT	20400	AC LYM LEUK WO ACHV RMSN
20240	LK RTCTL UNSP XTRNDL ORG	20401	ACT LYM LEUK W RMSION
20241	HAIRY-CELL LEUKEM HEAD	2041	<i>CHR LYMPHOID LEUKEMIA</i>
20242	HAIRY-CELL LEUKEM THORAX	20410	CH LYM LEUK WO ACHV RMSN
20243	HAIRY-CELL LEUKEM ABDOM	20411	CHR LYM LEUK W RMSION
20244	HAIRY-CELL LEUKEM AXILLA	2042	<i>SUBAC LYMPHOID LEUKEMIA</i>
20245	HAIRY-CELL LEUKEM INGUIN	20420	SBAC LYM LEU WO ACH RMSN
20246	HAIRY-CELL LEUKEM PELVIC	20421	SBAC LYM LEUK W RMSION
20247	HAIRY-CELL LEUKEM SPLEEN	2048	<i>LYMPHOID LEUKEMIA NEC</i>
20248	HAIRY-CELL LEUKEM MULT	20480	OTH LYM LEU WO ACHV RMSN
20250	LTR-SIWE UNSP XTRNDL ORG	20481	OTH LYM LEUK W RMSION
20251	LETTERER-SIWE DIS HEAD	2049	<i>LYMPHOID LEUKEMIA NOS</i>
20252	LETTERER-SIWE DIS THORAX	20490	UNS LYM LEU WO ACH RMSN
20253	LETTERER-SIWE DIS ABDOM	20491	UNS LYM LEUK W RMSION
20254	LETTERER-SIWE DIS AXILLA	2386	PLASMACYTOMA NOS
20255	LETTERER-SIWE DIS INGUIN	2733	MACROGLOBULINEMIA

¹The procedure or diagnosis codes are continuously updated. The current list of ICD-9-CM codes is valid for October 2012 through September 2013. Italicized codes are not active in Fiscal Year 2013.

Exclude cases:

- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission) for selected infections (as defined by the numerator, see above)
- normal newborns
- neonates with birth weight less than 500 grams (Birth Weight Category 1)
- with length of stay less than two (2) days
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of, Neonate, Newborn, Normal Newborn, and Outborn
- Appendix L – Low Birth Weight Categories

Intermediate Risk Category:

Surgical and medical discharges, for patients ages 17 years and younger, with either:

- any-listed ICD-9-CM diagnosis codes for intermediate-risk immunocompromised state; or
- any-listed ICD-9-CM diagnosis codes for cirrhosis and any-listed ICD-9-CM diagnosis codes for hepatic failure consisting of a diagnosis of coma or hepatorenal syndrome; or
- any-listed ICD-9-CM diagnosis codes for cystic fibrosis; or
- any-listed ICD-9-CM diagnosis codes for hemophilia

Surgical and medical discharges are defined by specific DRG or MS-DRG codes.

See *Pediatric Quality Indicators Appendices*:

- Appendix B – Surgical DRGs
- Appendix C – Surgical MS-DRGs
- Appendix D – Medical DRGs
- Appendix E – Medical MS-DRGs
- Appendix G – Intermediate-Risk Immunocompromised States

ICD-9-CM Cirrhosis diagnosis codes:

5712	ALCOHOLIC CIRRHOSIS OF LIVER	5716	BILIARY CIRRHOSIS
5715	CIRRHOSIS OF LIVER NOS		

ICD-9-CM Hepatic failure consisting of a diagnosis of coma or hepatorenal syndrome diagnosis codes:

5722	HEPATIC ENCEPHALOPATHY	5724	HEPATORENAL SYNDROME
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ICD-9-CM Cystic fibrosis diagnosis codes:

27700	CYSTIC FIBROS W/O ILEUS	27703	CYSTIC FIBROSIS W GI MAN
27701	CYSTIC FIBROS W ILEUS	27709	CYSTIC FIBROSIS NEC
27702	CYSTIC FIBROS W PUL MAN		

ICD-9-CM Hemophilia diagnosis codes:

2860	CONG FACTOR VIII DIORD	2863	CONG DEF CLOT FACTOR NEC
2861	CONG FACTOR IX DISORDER	2864	VON WILLEBRAND'S DISEASE
2862	CONG FACTOR XI DISORDER		

Exclude cases:

- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission) for selected infections (as defined by the numerator, see above)
- normal newborns
- neonates with birth weight less than 500 grams (Birth Weight Category 1)
- with length of stay less than two (2) days
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of, Neonate, Newborn, Normal Newborn, and Outborn
- Appendix L – Low Birth Weight Categories

Low Risk Category:

Surgical and medical discharges, for patients ages 17 years and younger, not meeting the inclusion criteria for the High Risk Category or the Intermediate Risk Category. Surgical and medical discharges are defined by specific DRG or MS-DRG codes.

See *Pediatric Quality Indicators Appendices*:

- Appendix B – Surgical DRGs
- Appendix C – Surgical MS-DRGs
- Appendix D – Medical DRGs
- Appendix E – Medical MS-DRGs

Exclude cases:

- with a principal ICD-9-CM diagnosis code (or secondary diagnosis present on admission) for selected infections (as defined by the numerator, see above)
- normal newborns
- neonates with birth weight less than 500 grams (Birth Weight Category 1)
- with length of stay less than two (2) days
- MDC 14 (pregnancy, childbirth, and puerperium)
- with missing gender (SEX=missing), age (AGE=missing), quarter (DQTR=missing), year (YEAR=missing) or principal diagnosis (DX1=missing)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of, Neonate, Newborn, Normal Newborn, and Outborn
- Appendix L – Low Birth Weight Categories