

# Central Venous Catheter-Related Blood Stream Infection Rate

## Pediatric Quality Indicators #12 Technical Specifications

### Provider-Level Indicator

AHRQ Quality Indicators, Version 4.3, August 2011

### Numerator

Discharges with selected infections defined by specific ICD-9-CM codes in any secondary diagnosis field among cases meeting the inclusion and exclusion rules for the denominator. For discharges prior to October 1, 2007:

**ICD-9-CM Hospital-associated infection diagnosis codes:**

99662 DUE TO OTHER VASCULAR DEVICE, IMPLANT, AND GRAFT                      9993 OTHER INFECTION

For discharges on or after October 1, 2007:

**ICD-9-CM Central venous catheter-related blood stream infection diagnosis code:**

99931 INFECTION DUE TO CENTRAL VENOUS CATHETER

### Denominator

All surgical and medical discharges under age 18 defined by specific DRGs or MS-DRGs.  
See *Pediatric Quality Indicators Appendices*:

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

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Exclude cases:

- with ICD-9-CM code for selected infections in the principal diagnosis field or secondary diagnosis present on admission
- normal newborns
- neonates with birth weight less than 500 grams (Birth Weight Category 1)
- with length of stay less than 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

## Stratification

Stratifies patients by three risk groups:

### High Risk Group

Immunodeficient patients (HIV and AIDs, immune system disorders), high risk disorders (severe malnutrition, white blood cell disorder, renal failure, and short bowel syndrome), transplant, and ALL cancers.

See *Pediatric Quality Indicators Appendices*:

- Appendix F – High-risk Immunocompromised States **ICD-9-CM Cancer diagnosis codes:**

1400	MAL NEO UPPER VERMILION	1466	MAL NEO LAT OROPHARYNX
1401	MAL NEO LOWER VERMILION	1467	MAL NEO POST OROPHARYNX
1403	MAL NEO UPPER LIP, INNER	1468	MAL NEO OROPHARYNX NEC
1404	MAL NEO LOWER LIP, INNER	1469	MALIG NEO OROPHARYNX NOS
1405	MAL NEO LIP, INNER NOS	1470	MAL NEO SUPER NASOPHARYN
1406	MAL NEO LIP, COMMISSURE	1471	MAL NEO POST NASOPHARYNX
1408	MAL NEO LIP NEC	1472	MAL NEO LAT NASOPHARYNX
1409	MAL NEO LIP/VERMIL NOS	1473	MAL NEO ANT NASOPHARYNX
1410	MAL NEO TONGUE BASE	1478	MAL NEO NASOPHARYNX NEC
1411	MAL NEO DORSAL TONGUE	1479	MAL NEO NASOPHARYNX NOS
1412	MAL NEO TIP/LAT TONGUE	1480	MAL NEO POSTCRICOID
1413	MAL NEO VENTRAL TONGUE	1481	MAL NEO PYRIFORM SINUS
1414	MAL NEO ANT 2/3 TONGUE	1482	MAL NEO ARYEPIGLOTT FOLD
1415	MAL NEO TONGUE JUNCTION	1483	MAL NEO POST HYPOPHARYNX
1416	MAL NEO LINGUAL TONSIL	1488	MAL NEO HYPOPHARYNX NEC
1418	MALIG NEO TONGUE NEC	1489	MAL NEO HYPOPHARYNX NOS
1419	MALIG NEO TONGUE NOS	1490	MAL NEO PHARYNX NOS
1420	MALIG NEO PAROTID	1491	MAL NEO WALDEYERS RING
1421	MALIG NEO SUBMANDIBULAR	1498	MAL NEO ORAL/PHARYNX NEC
1422	MALIG NEO SUBLINGUAL	1499	MAL NEO OROPHRYN ILL-DEF
1428	MAL NEO MAJ SALIVARY NEC	1500	MAL NEO CERVICAL ESOPHAG
1429	MAL NEO SALIVARY NOS	1501	MAL NEO THORACIC ESOPHAG
1430	MALIG NEO UPPER GUM	1502	MAL NEO ABDOMIN ESOPHAG
1431	MALIG NEO LOWER GUM	1503	MAL NEO UPPER 3RD ESOPH
1438	MALIG NEO GUM NEC	1504	MAL NEO MIDDLE 3RD ESOPH
1439	MALIG NEO GUM NOS	1505	MAL NEO LOWER 3RD ESOPH
1440	MAL NEO ANT FLOOR MOUTH	1508	MAL NEO ESOPHAGUS NEC
1441	MAL NEO LAT FLOOR MOUTH	1509	MAL NEO ESOPHAGUS NOS
1448	MAL NEO MOUTH FLOOR NEC	1510	MAL NEO STOMACH CARDIA
1449	MAL NEO MOUTH FLOOR NOS	1511	MALIGNANT NEO PYLORUS
1450	MAL NEO CHEEK MUCOSA	1512	MAL NEO PYLORIC ANTRUM
1451	MAL NEO MOUTH VESTIBULE	1513	MAL NEO STOMACH FUNDUS
1452	MALIG NEO HARD PALATE	1514	MAL NEO STOMACH BODY
1453	MALIG NEO SOFT PALATE	1515	MAL NEO STOM LESSER CURV
1454	MALIGNANT NEOPLASM UVULA	1516	MAL NEO STOM GREAT CURV
1455	MALIGNANT NEO PALATE NOS	1518	MALIG NEOPL STOMACH NEC
1456	MALIG NEO RETROMOLAR	1519	MALIG NEOPL STOMACH NOS
1458	MALIG NEOPLASM MOUTH NEC	1520	MALIGNANT NEOPL DUODENUM
1459	MALIG NEOPLASM MOUTH NOS	1521	MALIGNANT NEOPL JEJUNUM
1460	MALIGNANT NEOPL TONSIL	1522	MALIGNANT NEOPLASM ILEUM
1461	MAL NEO TONSILLAR FOSSA	1523	MAL NEO MECKELS DIVERT
1462	MAL NEO TONSIL PILLARS	1528	MAL NEO SMALL BOWEL NEC
1463	MALIG NEOPL VALLECULA	1529	MAL NEO SMALL BOWEL NOS
1464	MAL NEO ANT EPIGLOTTIS	1530	MAL NEO HEPATIC FLEXURE
1465	MAL NEO EPIGLOTTIS JUNCT	1531	MAL NEO TRANSVERSE COLON

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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
1535	MALIGNANT NEO APPENDIX	1648	MAL NEO MEDIASTINUM NEC
1536	MALIG NEO ASCEND COLON	1649	MAL NEO MEDIASTINUM NOS
1537	MAL NEO SPLENIC FLEXURE	1650	MAL NEO UPPER RESP NOS
1538	MALIGNANT NEO COLON NEC	1658	MAL NEO THORAX/RESP NEC
1539	MALIGNANT NEO COLON NOS	1659	MAL NEO RESP SYSTEM NOS
1540	MAL NEO RECTOSIGMOID JCT	1700	MAL NEO SKULL/FACE BONE
1541	MALIGNANT NEOPL RECTUM	1701	MALIGNANT NEO MANDIBLE
1542	MALIG NEOPL ANAL CANAL	1702	MALIG NEO VERTEBRAE
1543	MALIGNANT NEO ANUS NOS	1703	MAL NEO RIBS/STERN/CLAV
1548	MAL NEO RECTUM/ANUS NEC	1704	MAL NEO LONG BONES ARM
1550	MAL NEO LIVER, PRIMARY	1705	MAL NEO BONES WRIST/HAND
1551	MAL NEO INTRAHEPAT DUCTS	1706	MAL NEO PELVIC GIRDLE
1552	MALIGNANT NEO LIVER NOS	1707	MAL NEO LONG BONES LEG
1560	MALIG NEO GALLBLADDER	1708	MAL NEO BONES ANKLE/FOOT
1561	MAL NEO EXTRAHEPAT DUCTS	1709	MALIG NEOPL BONE NOS
1562	MAL NEO AMPULLA OF VATER	1710	MAL NEO SOFT TISSUE HEAD
1568	MALIG NEO BILIARY NEC	1712	MAL NEO SOFT TISSUE ARM
1569	MALIG NEO BILIARY NOS	1713	MAL NEO SOFT TISSUE LEG
1570	MAL NEO PANCREAS HEAD	1714	MAL NEO SOFT TIS THORAX
1571	MAL NEO PANCREAS BODY	1715	MAL NEO SOFT TIS ABDOMEN
1572	MAL NEO PANCREAS TAIL	1716	MAL NEO SOFT TIS PELVIS
1573	MAL NEO PANCREATIC DUCT	1717	MAL NEOPL TRUNK NOS
1574	MAL NEO ISLET LANGERHANS	1718	MAL NEO SOFT TISSUE NEC
1578	MALIG NEO PANCREAS NEC	1719	MAL NEO SOFT TISSUE NOS
1579	MALIG NEO PANCREAS NOS	1720	MALIG MELANOMA LIP
1580	MAL NEO RETROPERITONEUM	1721	MALIG MELANOMA EYELID
1588	MAL NEO PERITONEUM NEC	1722	MALIG MELANOMA EAR
1589	MAL NEO PERITONEUM NOS	1723	MAL MELANOM FACE NEC NOS
1590	MALIG NEO INTESTINE NOS	1724	MAL MELANOMA SCALP/NECK
1591	MALIGNANT NEO SPLEEN NEC	1725	MALIG MELANOMA TRUNK
1598	MAL NEO GI/INTRA-ABD NEC	1726	MALIG MELANOMA ARM
1599	MAL NEO GI TRACT ILL-DEF	1727	MALIG MELANOMA LEG
1600	MAL NEO NASAL CAVITIES	1728	MALIG MELANOMA SKIN NEC
1601	MALIG NEO MIDDLE EAR	1729	MALIG MELANOMA SKIN NOS
1602	MAL NEO MAXILLARY SINUS	1740	MALIG NEO NIPPLE
1603	MAL NEO ETHMOIDAL SINUS	1741	MAL NEO BREAST-CENTRAL
1604	MALIG NEO FRONTAL SINUS	1742	MAL NEO BREAST UP-INNER
1605	MAL NEO SPHENOID SINUS	1743	MAL NEO BREAST LOW-INNER
1608	MAL NEO ACCESS SINUS NEC	1744	MAL NEO BREAST UP-OUTER
1609	MAL NEO ACCESS SINUS NOS	1745	MAL NEO BREAST LOW-OUTER
1610	MALIGNANT NEO GLOTTIS	1746	MAL NEO BREAST-AXILLARY
1611	MALIG NEO SUPRAGLOTTIS	1748	MALIGN NEOPL BREAST NEC
1612	MALIG NEO SUBGLOTTIS	1749	MALIGN NEOPL BREAST NOS
1613	MAL NEO CARTILAGE LARYNX	1750	MAL NEO MALE NIPPLE
1618	MALIGNANT NEO LARYNX NEC	1759	MAL NEO MALE BREAST NEC
1619	MALIGNANT NEO LARYNX NOS	1760	SKIN - KAPOSIS SARCOMA
1620	MALIGNANT NEO TRACHEA	1761	SFT TISSUE - KPSIS SRCMA
1622	MALIG NEO MAIN BRONCHUS	1762	PALATE - KPSIS SARCOMA
1623	MAL NEO UPPER LOBE LUNG	1763	GI SITES - KPSIS SRCOMA
1624	MAL NEO MIDDLE LOBE LUNG	1764	LUNG - KAPOSIS SARCOMA
1625	MAL NEO LOWER LOBE LUNG	1765	LYM NDS - KPSIS SARCOMA
1628	MAL NEO BRONCH/LUNG NEC	1768	SPF STS - KPSIS SARCOMA
1629	MAL NEO BRONCH/LUNG NOS	1769	KAPOSIS SARCOMA NOS
1630	MAL NEO PARIETAL PLEURA	179	MALIG NEOPL UTERUS NOS
1631	MAL NEO VISCERAL PLEURA	1800	MALIG NEO ENDOCERVIX
1638	MALIG NEOPL PLEURA NEC	1801	MALIG NEO EXOCERVIX
1639	MALIG NEOPL PLEURA NOS	1808	MALIG NEO CERVIX NEC
1640	MALIGNANT NEOPL THYMUS	1809	MAL NEO CERVIX UTERI NOS

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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
1828	MAL NEO BODY UTERUS NEC	1917	MAL NEO BRAIN STEM
1830	MALIGN NEOPL OVARY	1918	MALIG NEO BRAIN NEC
1832	MAL NEO FALLOPIAN TUBE	1919	MALIG NEO BRAIN NOS
1833	MAL NEO BROAD LIGAMENT	1920	MAL NEO CRANIAL NERVES
1834	MALIG NEO PARAMETRIUM	1921	MAL NEO CEREBRAL MENING
1835	MAL NEO ROUND LIGAMENT	1922	MAL NEO SPINAL CORD
1838	MAL NEO ADNEXA NEC	1923	MAL NEO SPINAL MENINGES
1839	MAL NEO ADNEXA NOS	1928	MAL NEO NERVOUS SYST NEC
1840	MALIGN NEOPL VAGINA	1929	MAL NEO NERVOUS SYST NOS
1841	MAL NEO LABIA MAJORA	193	MALIGN NEOPL THYROID
1842	MAL NEO LABIA MINORA	1940	MALIGN NEOPL ADRENAL
1843	MALIGN NEOPL CLITORIS	1941	MALIG NEO PARATHYROID
1844	MALIGN NEOPL VULVA NOS	1943	MALIG NEO PITUITARY
1848	MAL NEO FEMALE GENIT NEC	1944	MALIGN NEO PINEAL GLAND
1849	MAL NEO FEMALE GENIT NOS	1945	MAL NEO CAROTID BODY
185	MALIGN NEOPL PROSTATE	1946	MAL NEO PARAGANGLIA NEC
1860	MAL NEO UNDESCEND TESTIS	1948	MAL NEO ENDOCRINE NEC
1869	MALIG NEO TESTIS NEC	1949	MAL NEO ENDOCRINE NOS
1871	MALIGN NEOPL PREPUCE	1950	MAL NEO HEAD/FACE/NECK
1872	MALIG NEO GLANS PENIS	1951	MALIGN NEOPL THORAX
1873	MALIG NEO PENIS BODY	1952	MALIG NEO ABDOMEN
1874	MALIG NEO PENIS NOS	1953	MALIGN NEOPL PELVIS
1875	MALIGN NEOPL EPIDIDYMIS	1954	MALIGN NEOPL ARM
1876	MAL NEO SPERMATIC CORD	1955	MALIGN NEOPL LEG
1877	MALIGN NEOPL SCROTUM	1958	MALIG NEO SITE NEC
1878	MAL NEO MALE GENITAL NEC	1960	MAL NEO LYMPH-HEAD/NECK
1879	MAL NEO MALE GENITAL NOS	1961	MAL NEO LYMPH-INTRATHOR
1880	MAL NEO BLADDER-TRIGONE	1962	MAL NEO LYMPH INTRA-ABD
1881	MAL NEO BLADDER-DOME	1963	MAL NEO LYMPH-AXILLA/ARM
1882	MAL NEO BLADDER-LATERAL	1965	MAL NEO LYMPH-INGUIN/LEG
1883	MAL NEO BLADDER-ANTERIOR	1966	MAL NEO LYMPH-INTRAPELV
1884	MAL NEO BLADDER-POST	1968	MAL NEO LYMPH NODE-MULT
1885	MAL NEO BLADDER NECK	1969	MAL NEO LYMPH NODE NOS
1886	MAL NEO URETERIC ORIFICE	1970	SECONDARY MALIG NEO LUNG
1887	MALIG NEO URACHUS	1971	SEC MAL NEO MEDIASTINUM
1888	MALIG NEO BLADDER NEC	1972	SECOND MALIG NEO PLEURA
1889	MALIG NEO BLADDER NOS	1973	SEC MALIG NEO RESP NEC
1890	MALIGN NEOPL KIDNEY	1974	SEC MALIG NEO SM BOWEL
1891	MALIG NEO RENAL PELVIS	1975	SEC MALIG NEO LG BOWEL
1892	MALIGN NEOPL URETER	1976	SEC MAL NEO PERITONEUM
1893	MALIGN NEOPL URETHRA	1977	SECOND MALIG NEO LIVER
1894	MAL NEO PARAURETHRAL	1978	SEC MAL NEO GI NEC
1898	MAL NEO URINARY NEC	1980	SECOND MALIG NEO KIDNEY
1899	MAL NEO URINARY NOS	1981	SEC MALIG NEO URIN NEC
1900	MALIGN NEOPL EYEBALL	1982	SECONDARY MALIG NEO SKIN
1901	MALIGN NEOPL ORBIT	1983	SEC MAL NEO BRAIN/SPINE
1902	MAL NEO LACRIMAL GLAND	1984	SEC MALIG NEO NERVE NEC
1903	MAL NEO CONJUNCTIVA	1985	SECONDARY MALIG NEO BONE
1904	MALIGN NEOPL CORNEA	1986	SECOND MALIG NEO OVARY
1905	MALIGN NEOPL RETINA	1987	SECOND MALIG NEO ADRENAL
1906	MALIGN NEOPL CHOROID	19881	SECOND MALIG NEO BREAST
1907	MAL NEO LACRIMAL DUCT	19882	SECOND MALIG NEO GENITAL
1908	MALIGN NEOPL EYE NEC	19889	SECONDARY MALIG NEO NEC
1909	MALIGN NEOPL EYE NOS	1990	MALIG NEO DISSEMINATED
1910	MALIGN NEOPL CEREBRUM	1991	MALIGNANT NEOPLASM NOS
1911	MALIG NEO FRONTAL LOBE	20100	HDGK PRG UNSP XTRNDL ORG
1912	MAL NEO TEMPORAL LOBE	20101	HODGKINS PARAGRAN HEAD
1913	MAL NEO PARIETAL LOBE	20102	HODGKINS PARAGRAN THORAX

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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
20106	HODGKINS PARAGRAN PELVIC	20194	HODGKINS DIS NOS AXILLA
20107	HODGKINS PARAGRAN SPLEEN	20195	HODGKINS DIS NOS INGUIN
20108	HODGKINS PARAGRAN MULT	20196	HODGKINS DIS NOS PELVIC
20110	HODGK GRN UNSP XTRNDL ORG	20197	HODGKINS DIS NOS SPLEEN
20111	HODGKINS GRANULOM HEAD	20198	HODGKINS DIS NOS MULT
20112	HODGKINS GRANULOM THORAX	20200	NDLR LYM UNSP XTRNDL ORG
20113	HODGKINS GRANULOM ABDOM	20201	NODULAR LYMPHOMA HEAD
20114	HODGKINS GRANULOM AXILLA	20202	NODULAR LYMPHOMA THORAX
20115	HODGKINS GRANULOM INGUIN	20203	NODULAR LYMPHOMA ABDOM
20116	HODGKINS GRANULOM PELVIC	20204	NODULAR LYMPHOMA AXILLA
20117	HODGKINS GRANULOM SPLEEN	20205	NODULAR LYMPHOMA INGUIN
20118	HODGKINS GRANULOM MULT	20206	NODULAR LYMPHOMA PELVIC
20120	HODGK SRC UNSP XTRNDL ORG	20207	NODULAR LYMPHOMA SPLEEN
20121	HODGKINS SARCOMA HEAD	20208	NODULAR LYMPHOMA MULT
20122	HODGKINS SARCOMA THORAX	20210	MYCS FNG UNSP XTRNDL ORG
20123	HODGKINS SARCOMA ABDOM	20211	MYCOSIS FUNGOIDES HEAD
20124	HODGKINS SARCOMA AXILLA	20212	MYCOSIS FUNGOIDES THORAX
20125	HODGKINS SARCOMA INGUIN	20213	MYCOSIS FUNGOIDES ABDOM
20126	HODGKINS SARCOMA PELVIC	20214	MYCOSIS FUNGOIDES AXILLA
20127	HODGKINS SARCOMA SPLEEN	20215	MYCOSIS FUNGOIDES INGUIN
20128	HODGKINS SARCOMA MULT	20216	MYCOSIS FUNGOIDES PELVIC
20140	LYM-HST UNSP XTRNDL ORGN	20217	MYCOSIS FUNGOIDES SPLEEN
20141	HODG LYMPH-HISTIO HEAD	20218	MYCOSIS FUNGOIDES MULT
20142	HODG LYMPH-HISTIO THORAX	20220	SZRY DIS UNSP XTRNDL ORG
20143	HODG LYMPH-HISTIO ABDOM	20221	SEZARYS DISEASE HEAD
20144	HODG LYMPH-HISTIO AXILLA	20222	SEZARYS DISEASE THORAX
20145	HODG LYMPH-HISTIO INGUIN	20223	SEZARYS DISEASE ABDOM
20146	HODG LYMPH-HISTIO PELVIC	20224	SEZARYS DISEASE AXILLA
20147	HODG LYMPH-HISTIO SPLEEN	20225	SEZARYS DISEASE INGUIN
20148	HODG LYMPH-HISTIO MULT	20226	SEZARYS DISEASE PELVIC
20150	NDR SCLR UNSP XTRNDL ORG	20227	SEZARYS DISEASE SPLEEN
20151	HODG NODUL SCLERO HEAD	20228	SEZARYS DISEASE MULT
20152	HODG NODUL SCLERO THORAX	20230	MLG HIST UNSP XTRNDL ORG
20153	HODG NODUL SCLERO ABDOM	20231	MAL HISTIOCYTOSIS HEAD
20154	HODG NODUL SCLERO AXILLA	20232	MAL HISTIOCYTOSIS THORAX
20155	HODG NODUL SCLERO INGUIN	20233	MAL HISTIOCYTOSIS ABDOM
20156	HODG NODUL SCLERO PELVIC	20234	MAL HISTIOCYTOSIS AXILLA
20157	HODG NODUL SCLERO SPLEEN	20235	MAL HISTIOCYTOSIS INGUIN
20158	HODG NODUL SCLERO MULT	20236	MAL HISTIOCYTOSIS PELVIC
20160	MXD CELR UNSP XTRNDL ORG	20237	MAL HISTIOCYTOSIS SPLEEN
20161	HODGKINS MIX CELL HEAD	20238	MAL HISTIOCYTOSIS MULT
20162	HODGKINS MIX CELL THORAX	20240	LK RTCTL UNSP XTRNDL ORG
20163	HODGKINS MIX CELL ABDOM	20241	HAIRY-CELL LEUKEM HEAD
20164	HODGKINS MIX CELL AXILLA	20242	HAIRY-CELL LEUKEM THORAX
20165	HODGKINS MIX CELL INGUIN	20243	HAIRY-CELL LEUKEM ABDOM
20166	HODGKINS MIX CELL PELVIC	20244	HAIRY-CELL LEUKEM AXILLA
20167	HODGKINS MIX CELL SPLEEN	20245	HAIRY-CELL LEUKEM INGUIN
20168	HODGKINS MIX CELL MULT	20246	HAIRY-CELL LEUKEM PELVIC
20170	LYM DPLT UNSP XTRNDL ORG	20247	HAIRY-CELL LEUKEM SPLEEN
20171	HODG LYMPH DEPLET HEAD	20248	HAIRY-CELL LEUKEM MULT
20172	HODG LYMPH DEPLET THORAX	20250	LTR-SIWE UNSP XTRNDL ORG
20173	HODG LYMPH DEPLET ABDOM	20251	LETTERER-SIWE DIS HEAD
20174	HODG LYMPH DEPLET AXILLA	20252	LETTERER-SIWE DIS THORAX
20175	HODG LYMPH DEPLET INGUIN	20253	LETTERER-SIWE DIS ABDOM
20176	HODG LYMPH DEPLET PELVIC	20254	LETTERER-SIWE DIS AXILLA
20177	HODG LYMPH DEPLET SPLEEN	20255	LETTERER-SIWE DIS INGUIN
20178	HODG LYMPH DEPLET MULT	20256	LETTERER-SIWE DIS PELVIC
20190	HODGK DIS UNSP XTRNDL ORG	20257	LETTERER-SIWE DIS SPLEEN

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20258	LETTERER-SIWE DIS MULT	20300	MULT MYELM W/O REMISSION
20260	MLG MAST UNSP XTRNDL ORG	20301	MULT MYELM W REMISSION
20261	MAL MASTOCYTOSIS HEAD	2031	PLASMA CELL LEUKEMIA
20262	MAL MASTOCYTOSIS THORAX	20310	PLSM CELL LEUK W/O RMSON
20263	MAL MASTOCYTOSIS ABDOM	20311	PLSM CELL LEUK W RMSON
20264	MAL MASTOCYTOSIS AXILLA	2038	IMMUNOPROLIFERAT NEO NEC
20265	MAL MASTOCYTOSIS INGUIN	20380	OTH IMNPRFL NPL W/O RMSN
20266	MAL MASTOCYTOSIS PELVIC	20381	OTH IMNPRFL NPL W RMSN
20267	MAL MASTOCYTOSIS SPLEEN	2040	ACUTE LYMPHOID LEUKEMIA
20268	MAL MASTOCYTOSIS MULT	20400	ACT LYM LEUK W/O RMSION
20280	OTH LYMP UNSP XTRNDL ORG	20401	ACT LYM LEUK W RMSION
20281	LYMPHOMAS NEC HEAD	2041	CHR LYMPHOID LEUKEMIA
20282	LYMPHOMAS NEC THORAX	20410	CHR LYM LEUK W/O RMSION
20283	LYMPHOMAS NEC ABDOM	20411	CHR LYM LEUK W RMSION
20284	LYMPHOMAS NEC AXILLA	2042	SUBAC LYMPHOID LEUKEMIA
20285	LYMPHOMAS NEC INGUIN	20420	SBAC LYM LEUK W/O RMSION
20286	LYMPHOMAS NEC PELVIC	20421	SBAC LYM LEUK W RMSION
20287	LYMPHOMAS NEC SPLEEN	2048	LYMPHOID LEUKEMIA NEC
20288	LYMPHOMAS NEC MULT	20480	OTH LYM LEUK W/O RMSION
20290	UNSP LYM UNSP XTRNDL ORG	20481	OTH LYM LEUK W RMSION
20291	LYMPHOID MAL NEC HEAD	2049	LYMPHOID LEUKEMIA NOS
20292	LYMPHOID MAL NEC THORAX	20490	UNS LYM LEUK W/O RMSION
20293	LYMPHOID MAL NEC ABDOM	20491	UNS LYM LEUK W RMSION
20294	LYMPHOID MAL NEC AXILLA	2386	NEOPLASM OF UNCERTAIN BEHAVIOR OF OTHER AND UNSPECIFIED SITES AND TISSUES, PLASMA CELLS
20295	LYMPHOID MAL NEC INGUIN		
20296	LYMPHOID MAL NEC PELVIC	2733	DISORDERS OF PLASMA PROTEIN METABOLISM-MACROGLOBULINEMIA
20297	LYMPHOID MAL NEC SPLEEN		
20298	LYMPHOID MAL NEC MULT		
2030	MULTIPLE MYELOMA		

**Intermediate Risk Group**

Intermediate risk disorders: Intermediate risk immunodeficient patients (lupus and rare autoimmune diseases, specified renal disease, cachexia, and spleen disorders), Cystic fibrosis, Hemophilia, hepatic failure (hepatic failure consisting of any diagnosis of cirrhosis plus a code for hepatic coma or hepatorenal syndrome in any diagnosis field).

See *Pediatric Quality Indicators Appendices*:

- Appendix G – Intermediate-risk Immunocompromised States

**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 */		

**ICD-9-CM Hepatic failure diagnosis codes – part I:**

5712	ALCOHOLIC CIRRHOSIS OF LIVER CIRRHOSIS OF LIVER WITHOUT	5716	BILIARY CIRRHOSIS
5715	MENTION OF ALCOHOL		

**ICD-9-CM Hepatic failure diagnosis codes – part II:**

5722	HEPATIC COMA	5724	HEPATORENAL SYNDROME
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**Low risk group:**

All other patients