



## PDI #12 Central Venous Catheter-related Bloodstream Infections

### Provider-Level Indicator

#### Numerator

Discharges with selected infections defined by specific ICD-9-CM codes 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 Bloodstream Infection diagnosis codes:*

99931	INFECTION DUE TO CENTRAL VENOUS CATHETER
-------	--

#### Denominator

All surgical and medical discharges under age 18 defined by specific DRGs.

See *Pediatric Quality Indicators Appendices*:

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

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)

See *Pediatric Quality Indicators Appendices*:

- Appendix I – Definitions of, Neonate, Newborn, Normal Newborn, and Outborn

*Low Birth Weight categories:*

<b>Less than 500 grams - Birth Weight Category 1</b>	
76401	LIGHT-FOR-DATES <500G
76411	LT-FOR-DATE W/MAL <500G
76421	FETAL MALNUTRITION <500G
76491	FET GROWTH RETARD <500G
76501	EXTREME IMMATUR <500G
76511	PRETERM NEC <500G
V2131	LOW BIRTHWGT STATUS <500G
<b>500 to 999 grams - Birth Weight Category 2</b>	
76402	LT-FOR-DATES 500-749G
76412	LT-DATE W/MAL 500-749G
76422	FETAL MALNUTR 500-749G
76492	FET GROWTH RET 500-749G
76502	EXTREME IMMATUR 500-749G
76512	PRETERM NEC 500-749G
76403	LT-FOR-DATES 750-999G
76413	LT-DATE W/MAL 750-999G
76423	FETAL MAL 750-999G
76493	FET GROWTH RET 750-999G
76503	EXTREME IMMATUR 750-999G
76513	PRETERM NEC 750-999G
V2132	LOW BIRTHWGT 500-999G
<b>1000 to 1499 grams - Birth Weight Category 3</b>	
76404	LT-FOR-DATES 1000-1249G
76414	LT-DATE W/MAL 1000-1249G
76424	FETAL MAL 1000-1249G
76494	FET GRWTH RET 1000-1249G
76504	EXTREME IMMATUR 1000-1249G
76514	PRETERM NEC 1000-1249G
76405	LT-FOR-DATES 1250-1499G

76415	LT-DATE W/MAL 1250-1499G
76425	FETAL MAL 1250-1499G
76495	FET GRWTH RET 1250-1499G
76505	EXTREME IMMATUR 1250-1499G
76515	PRETERM NEC 1250-1499G
V2133	LOW BIRTHWGT 1000-1499G
<b>1500 to 1999 grams - Birth Weight Category 4</b>	
76406	LT-FOR-DATES 1500-1749G
76416	LT-DATE W/MAL 1500-1749G
76426	FETAL MAL 1500-1749G
76496	FET GRWTH RET 1500-1749G
76506	EXTREME IMMATUR 1500-1749G
76516	PRETERM NEC 1500-1749G
76407	LT-FOR-DATES 1750-1999G
76417	LT-DATE W/MAL 1750-1999G
76427	FETAL MALNUTR 1750-1999G
76497	FET GRWTH RET 1750-1999G
76507	EXTREME IMMATUR 1750-1999G
76517	PRETERM NEC 1750-1999G
V2134	LOW BIRTHWGT 1500-1999G
<b>2000 to 2499 grams - Birth Weight Category 5</b>	
76408	LT-FOR-DATES 2000-2499G
76418	LT-DATE W/MAL 2000-2499G
76428	FETAL MALNUTR 2000-2499G
76498	FET GRWTH RET 2000-2499G
76508	EXTREME IMMATUR 2000-2499G
76518	PRETERM NEC 2000-2499G
V2135	LOW BIRTHWGT 2000-2500G