



APPENDIX I: Definitions of Neonate, Newborn, Normal Newborn, and Outborn

A **neonate** is defined as any discharge with either:

- age in days at admission between zero and 28 days (inclusive);
- age in days missing and age in years equal to zero and either:
 - an admission type of newborn (SID ATYPE=4);
 - with any-listed ICD-9-CM diagnosis codes for in-hospital live birth;
 - with any-listed ICD-9-CM diagnosis codes for neonatal observation and evaluation

In-hospital live birth diagnosis codes: (LIVEBND)

V3000	Single Lb In-hosp W/O CS	V3401	Oth Mult Lb-in Hosp W CS
V3001	Single Lb In-hosp W CS	V3500	Oth Mult Sb-hosp W/O CS
V3100	Twin-mate Lb-hosp W/O CS	V3501	Oth Mult Sb-in Hosp W CS
V3101	Twin-mate Lb-in Hosp W CS	V3600	Mult Lb/sb-in Hos W/O CS
V3200	Twin-mate Sb-hosp W/O CS	V3601	Mult Lb/sb-in Hosp W CS
V3201	Twin-mate Sb-hosp W CS	V3700	Mult Brth Nos-hos W/O CS
V3300	Twin-nos-in Hosp W/O CS	V3701	Mult Birth Nos-hosp W CS
V3301	Twin-nos-in Hosp W CS	V3900	Liveborn Nos-hosp W/O CS
V3400	Oth Mult Lb-hosp W/O CS	V3901	Liveborn Nos-hosp W CS

Neonatal observation and evaluation diagnosis codes: (V29D)

V290	Observations For Suspected Infectious Condition	V293	Observations For Suspected Genetic Or Metabolic Condition
V291	Observations For Suspected Neurological Condition	V298	Observations For Other Specified Suspected Condition
V292	Observations For Suspected Respiratory Condition	V299	Observations For Unspecified Suspected Condition

A **newborn** is defined as any discharge meeting the definition of “neonate” (see above) with either:

- any-listed ICD-9-CM diagnosis codes for in-hospital live birth (see above) and age in days equal to zero or missing;
- an admission type of newborn (SID ATYPE=4) and age in days equal to zero without any-listed ICD-9CM diagnosis codes for out-of-hospital live birth; or
- an admission type of newborn (SID ATYPE=4) with point of origin for born inside this hospital (POINTOFORIGINUB04 code = 5)

Out-of-hospital live birth diagnosis codes: (LIVEB2D)

V301	Singl Livebrn-before Adm	V342	Oth Multiple Nb-nonhosp
V302	Single Liveborn-nonhosp	V351	Oth Mult Sb-before Adm
V311	Twin, Mate Lb-before Adm	V352	Oth Multiple Sb-nonhosp
V312	Twin, Mate Lb-nonhosp	V361	Mult Nb/sb-before Adm
V321	Twin, Mate Sb-before Adm	V362	Multiple Nb/sb-nonhosp
V322	Twin, Mate Sb-nonhosp	V371	Mult Brth Nos-before Adm
V331	Twin Nos-before Admissn	V372	Mult Birth Nos-nonhosp
V332	Twin Nos-nonhosp	V391	Liveborn Nos-before Adm
V341	Oth Mult Nb-before Adm	V392	Liveborn Nos-nonhosp

An outborn is defined as any discharge meeting the definition of “neonate” (see above) that does not meet the definition of “newborn” (see above) with either:

- age in days less than 2 days and not missing;
- an admission type of newborn (SID ATYPE=4) and age in days missing;
- an admission type of newborn (SID ATYPE=4) and point of origin for born outside this hospital (POINTOFORIGINUB04 code = 6)