

TIPQC TN's Tiniest Babies
The Prevention of Necrotizing Enterocolitis
(NEC) Project



CLINICAL CARE CHECKLIST FORM

Please capture a record for every infant born at 29.6 or less weeks gestation admitted to your NICU for care.

- All inborn and outborn infants (transfers) admitted within 24 hours of birth should be captured.
- In the case of multiples (e.g., twins), a record should be captured for each infant.
- Exclude infants that died in the delivery room in your data collection.
- Exclude infants that died within 24 hours of admission to your NICU in data collection.

Infant and Maternal Details

1. Date of birth (MM/DD/YYYY)_____
2. Location of birth
 - ☐ Inborn
 - ☐ Outborn (including home births)
3. Birth weight (grams)_____
4. Gestational age, completed weeks (Numeric ≤ 29)_____
5. Gestation age, days (Numeric 0-6)_____
6. Multiple births?
 - ☐ No
 - ☐ Yes – *number of infants delivered* _____ (2-8)
7. Mother's race/Ethnicity
 - ☐ Non-Hispanic White
 - ☐ Non-Hispanic Black or African American
 - ☐ Other Race, Non-Hispanic (includes other races, Non-Hispanic)
 - ☐ More than one race/ethnicity
 - ☐ Hispanic, Any Race
 - ☐ Unspecified/unknown
8. Mother's insurance
 - ☐ Medicaid
 - ☐ Private insurance
 - ☐ Other public insurance
 - ☐ Uninsured

Process Measures

9. Did the infant receive mother's own milk (MOM) at any point during hospitalization?
 - ☐ Yes
 - ☐ No
 - ☐ Unknown

9a. (skip logic) If yes, was mother's own milk (MOM) received by the infant during 21-28 days of life?

- ☐ Yes
- ☐ No
- ☐ Unknown

10. Did the infant receive donor breast milk (DBM) at any point during hospitalization? *

- ☐ Yes
- ☐ No
- ☐ Unknown

11. Did the infant receive oral immune therapy at any point during hospitalization? *

- ☐ Yes
- ☐ No
- ☐ Unknown

12. Was the infant's cord clamped ≥ 60 seconds after birth?

- ☐ Yes
- ☐ No
- ☐ Unknown
- ☐ N/A (not appropriate; contraindication)

Balancing Measures

13. For how many days was the infant on TPN during the first month of life?

_____ (Numeric 0 to 28)

14. Was the infant "NPO" for greater than 24 hours during the first month of life AFTER starting feeds? *

- ☐ Yes
- ☐ No
- ☐ Unknown

15. How many blood cultures did this infant have drawn prior to 40 weeks' corrected gestational age (CGA)? _____(Numeric)

15a. How many POSITIVE blood cultures did this infant have drawn prior to 40 weeks' corrected gestational age (CGA)? _____(Numeric)

Outcome Measures

16. Did the infant have a congenital anomaly?

- ☐ Yes*
- ☐ No
- ☐ Unknown

16a. If yes, what was it? _____

17. Was the infant diagnosed with NEC** 10 days of life or later?

- ☐ Yes
- ☐ No
- ☐ Death prior to DOL 10
- ☐ Unknown

****NEC is diagnosed by radiographic and clinical definition 10 days of life or later in life and includes at least one of the following clinical findings:**

- Bilious gastric aspirate, residual or emesis
- Abdominal distension or discoloration
- Occult or gross blood in stool (no fissure)

AND at least one of the following diagnostic imaging findings:

- Pneumatosis
- Portal venous gas
- Pneumoperitoneum

Disposition Information

The following information should be collected at 40 weeks corrected gestational age, or Discharge, whichever comes first for the infant.

18. What was the infant's disposition at 40 weeks gestational age or discharge (whichever came first)? *

- ☐ Remained in NICU 40 weeks gestational age
- ☐ Discharged prior to 40 weeks gestational age
- ☐ Death prior or at 40 weeks gestational age due to NEC
- ☐ Death prior or at 40 weeks gestational age due to any reason outside NEC

Sustainment Measures

19. Did the infant have a Grade III or IV IVH diagnosis that was confirmed by head ultrasound (HUS) on or before day of life #14?

- ☐ Yes
- ☐ No
- ☐ Unknown

20. At 36 weeks PMA, did the infant have a diagnosis of BPD?

- ☐ Yes
- ☐ No
- ☐ Unknown
- ☐ Not Applicable - Discharged prior to 36 PMA

20a. If yes, which grade BPD?

- ☐ Grade 1
- ☐ Grade 2
- ☐ Grade 3

Data Entry Notes

1. You may open each infant record in SimpleQI multiple times, **until finalized**. Once finalized, the record would have to be deleted and re-entered to make any changes.
2. Team data (graphs) is not available until 24-48 hours after records have been finalized.
3. All **Structure Measures** are entered directly into the Measure Section of the NEC Project on the SimpleQI platform quarterly.