



Newborn Screening Bulletin 2021-3

June 17, 2021

Recent Changes to the Newborn Screening Card

The following changes have been made to the newborn screening collection cards, and the newest version is now in circulation.

Addition of Level of Care Field:

To assist us in the follow-up of positive or unsatisfactory newborn screens, it is helpful to know if a baby is admitted to a special care nursery or NICU at the time of newborn screening. This information allows us to accurately locate an infant if follow-up is required, and provides an indication of the health status of the baby. For babies receiving routine post-partum care or discharged home, please select "1/NA" as the level of care. For babies admitted to a special care nursery or NICU, please indicate the level of care designation of the unit (i.e. level 2 or level 3). For level 2 admissions, please also indicate the level of care subcategory (i.e. A, B, or C) in the blank space beside it. This field will be updated on the next edition of the requisition so that you can select 2A, 2B, or 2C.

Addition of TPN Hold Field:

It is well known that TPN administration can affect tandem mass spectrometry screening for some amino acid disorders leading to false positive newborn screening results. NSO worked with level 3 NICUs to implement a change in screening protocol whereby TPN is held prior to sample collection. **This field should only be completed by level 3 NICUs that have implemented a protocol on holding TPN prior to collection of the newborn screen.** NSO will soon be working with level 2 units in the rollout of this protocol; please stay tuned for additional communications.

The image shows a portion of a newborn screening card. The card is labeled 'INFANT' vertically on the left side. It contains several fields for data entry:

- Sex:** Radio buttons for M, F, and Ambiguous.
- Multiple Birth:** Radio buttons for N/A, A, B, and C.
- Birth Weight:** A grid of boxes followed by 'g'.
- Gest. Age:** A grid of boxes followed by '+ wks'.
- Level of care:** A field with radio buttons for 1/NA, 2, and 3. This field is highlighted with a red box.
- Feeding:** Radio buttons for Breast, Formula, TPN, and NPO.
- TPN hold #:** A field with a grid of boxes followed by 'hrs.'. This field is highlighted with a red box.
- PRBC Transfusion:** Radio buttons for Y and N.
- Date of Birth:** Grids for YYMMDD and HHMM.
- Time of Birth:** Grids for HHMM.
- Date of Collection:** Grids for YYMMDD and HHMM.
- Time of Collection:** Grids for HHMM.
- Date of latest transfusion:** Grids for YYMMDD.

 There are also checkboxes for 'Self-pay / No HC' and 'Sample collected at less than 24 hours' (with sub-options for Early discharge and Pre-transfusion).

Please let us know if you have any questions about the information in this bulletin.

Thank you!