

Website Hospital Data – How do we score?

Newborn Screening (NBS) saves lives. Some NBS disorders require very urgent interventions. This works best when both the NBS laboratory and the birthing hospital work together in a timely and efficient manner.

The performance of all **Utah Birth Hospitals** is now reported on the NBS website <https://newbornscreening.health.utah.gov/stats-data>. This data is a reflection of the prior three month's births and samples received. Each hospital is assessed on the following categories:

- I. **Successful First Draws** – this is the percentage of newborn screens received by the NBS lab that are (a) satisfactory and (b) contain sufficient amount of blood for testing.
Examples of unsatisfactory samples include insufficient blood quantity, damaged cards, caked blood, etc.

The following scale is used to assign a numeric value to this performance metric:

99-100% = 4
97-98.9% = 3
95-96.9% = 2
less than 95% = 1

- II. **Collection Time** – This is the amount of time from birth until the first newborn sample is collected. The goal is to collect between 24 and 48 hours after birth.

The following scale is used to assign a numeric value to this performance metric:

1.0-2.0 days = 4
0.9-0.99 and 2.01-2.4 days = 3
0.8-0.89 and 2.41-2.8 days = 2
<0.8 and >2.8 days = 1

- III. **Transit Time** – Getting samples to the NBS laboratory is critical. The goal is that the sample arrives at the lab no later than 24 hours after the sample is collected.

The following scale is used to assign a numeric value to this performance metric:

0-1.0 days = 4
1.01-1.5 days = 3
1.51-2.0 days = 2
>2 days = 1

Hospital Grade – The scores from Successful First Draws (I), Collection Time (II), and Transit Time (III) are averaged. The final grades for the Hospitals are based on the following categories:

4 = A+
3.66 = A
3.33 = A-
3.00 = B+
2.66 = B
2.33 = B-
2.00 = C+
<2.00 = C

NBS Program Grade – This grade reflects the age of the newborn in days when the NBS result is available. The shorter this time is, the better it is for the baby. The NBS Program Grade is a measure of the joint efforts between the hospitals, courier services and the NBS laboratory. It is based on the following scale:

<=5 days = A
5.1-6 days = B
6.1-7 days = C
7+ days = D