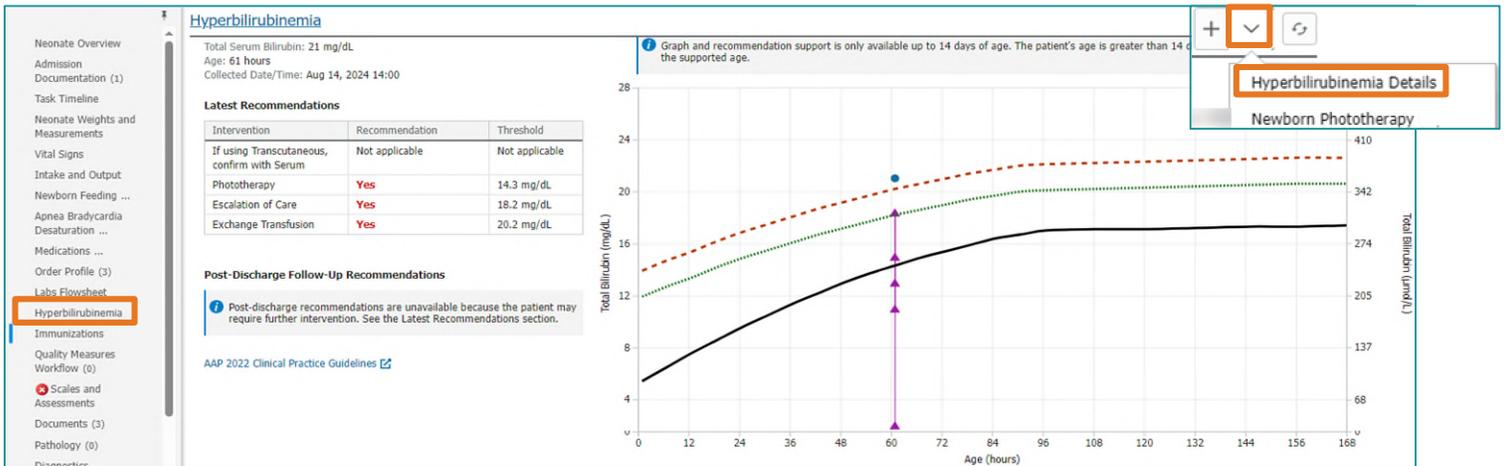


Current Hyperbilirubinemia guidelines within Cerner have been updated to be consistent with the most recent AAP Hyperbilirubinemia management guidelines released in late 2022. Due to this, PediTools will be removed.

Hyperbilirubinemia

Use the **Hyperbilirubinemia** component to view clinical information related to the treatment of Hyperbilirubinemia in Newborn Nursery and Neonatal Intensive Care Unit (NICU) patients.

STEP 1: From the **Neonate or NICU Workflow MPage**, locate the **Hyperbilirubinemia** component.



Hyperbilirubinemia

Total Serum Bilirubin: 21 mg/dL
Age: 61 hours
Collected Date/Time: Aug 14, 2024 14:00

Latest Recommendations

Intervention	Recommendation	Threshold
If using Transcutaneous, confirm with Serum	Not applicable	Not applicable
Phototherapy	Yes	14.3 mg/dL
Escalation of Care	Yes	18.2 mg/dL
Exchange Transfusion	Yes	20.2 mg/dL

Post-Discharge Follow-Up Recommendations

Post-discharge recommendations are unavailable because the patient may require further intervention. See the Latest Recommendations section.

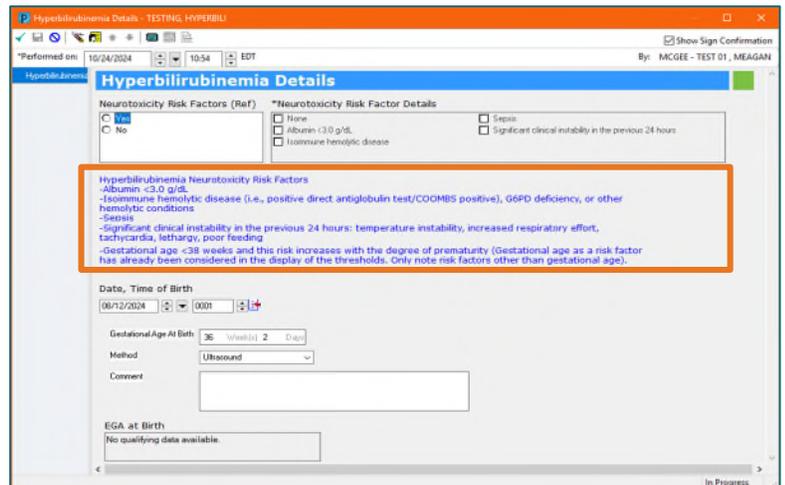
AAP 2022 Clinical Practice Guidelines

Graph and recommendation support is only available up to 14 days of age. The patient's age is greater than 14 days of age.

Hyperbilirubinemia Details
Newborn Phototherapy

STEP 2: Select the dropdown arrow in the top right corner to open the **Hyperbilirubinemia Details** PowerForm.

- Fill in any missing details.
- Review the **Hyperbilirubinemia Neurotoxicity Risk Factors** and then select **Sign**.



Hyperbilirubinemia Details - TESTING, HYPERBILI

Performed on: 10/24/2024 10:54 EDT By: MCGEE - TEST 01, MEAGAN

Hyperbilirubinemia Details

Neurotoxicity Risk Factors (Ref) Yes No

Neurotoxicity Risk Factor Details

Home Sepsis
 Albumin <3.0 g/dL Significant clinical instability in the previous 24 hours
 Isoimmune hemolytic disease

Hyperbilirubinemia Neurotoxicity Risk Factors

- Albumin <3.0 g/dL
- Isoimmune hemolytic disease (i.e., positive direct antiglobulin test/COOMBS positive), G6PD deficiency, or other hemolytic conditions
- Sepsis
- Significant clinical instability in the previous 24 hours: temperature instability, increased respiratory effort, tachycardia, lethargy, poor feeding
- Gestational age <38 weeks and this risk increases with the degree of prematurity (Gestational age as a risk factor has already been considered in the display of the thresholds. Only note risk factors other than gestational age).

Date, Time of Birth: 08/12/2024 0001

Gestational Age At Birth: 36 Weeks 2 Days
Method: Ultrasound

Comment: [Text Box]

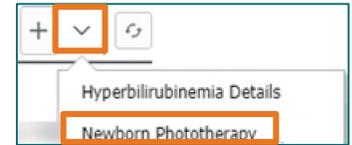
EGA at Birth: No qualifying data available

In Progress

NOTE: The Latest Recommendations and Post-Discharge Follow-Up Recommendations are automatically adjusted based on the AAP clinical practice guidelines.

STEP 3: Obtain **Transcutaneous Bili** on the patient. From the **Hyperbilirubinemia** component select the **dropdown arrow** to choose **Newborn Phototherapy**.

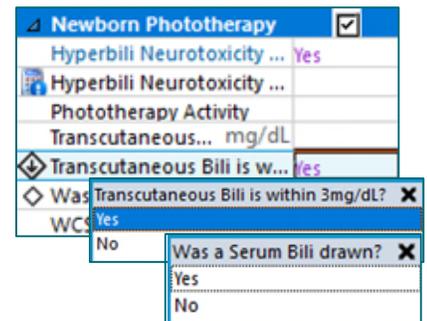
- This opens the Newborn Phototherapy section of the Newborn Lines – Devices – Procedures iView Band.



NOTE: **AR Gould and Mercy will continue to use N Bili.**

STEP 4: Document in the Newborn Phototherapy section of the Newborn Lines – Devices – Procedures iView Band.

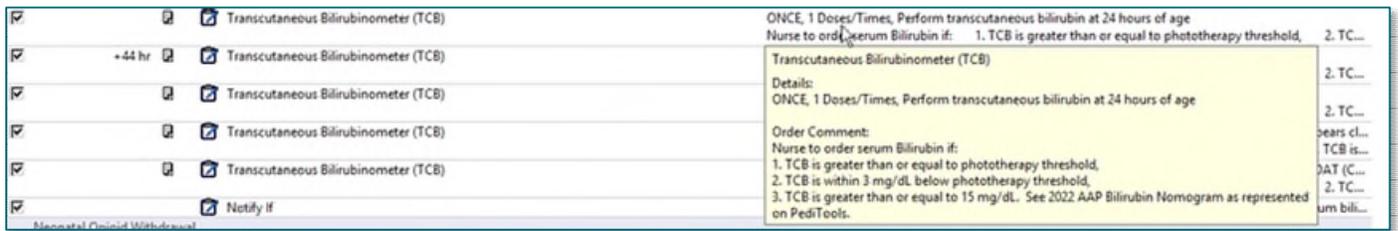
- Indicate if there are Hyperbili Neurotoxicity risk factors.
- Document if the value is within 3mg/dL.
- Indicate if a serum bilirubin has been drawn or not.
- Documentation of the serum bilirubin has been drawn allows the provider to know to look for results.



NOTE: Serum Bili should be drawn prior to notifying the provider.

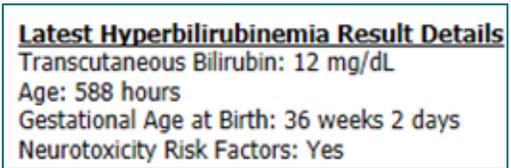
Order Updates

➤ Orders within the **Newborn Nursery Protocol** are updated to **remove** the screening tool, **PediTools**.



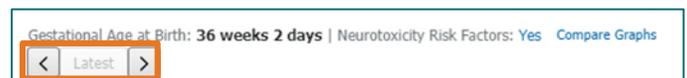
Provider Note Updates

➤ The Latest Hyperbilirubinemia Result Details display in the Neonate or NICU Provider Notes.



Hyperbilirubinemia Component Graph Overview

➤ From the **Hyperbilirubinemia Component**, the Gestational Age at Birth, and Neurotoxicity Risk Factors can be viewed.



- The graph can display data for up to 14 days of age but can only display up to 7 days of the date at a time. Adjust the data date range by selecting the arrows.

- Use the graph to view the patient's total bilirubin results. Transcutaneous results are shown with the purple triangle plotted line. Serum results are shown with the blue circle plotted line.
- Select or deselect any of the data lines on the graph by clicking the corresponding option below the graph.
- The AAP 2022 Clinical Practice Guidelines link is available for reference.

[AAP 2022 Clinical Practice Guidelines](#)

