

New Hyperbilirubinemia Component for Pediatricians and Neonatologists (MMC only)

Cerner PowerChart EDUCATION

Summary: A new Hyperbilirubinemia \geq 35 Weeks Gestation component is being added to the Manage Pediatrics and the Manage Neonatology Workflows, which requires documentation to be completed by providers.

When: April 22, 2024

Why the change: To allow accurate management of hyperbilirubinemia.

Support: Help Desk at 231-935-6053.

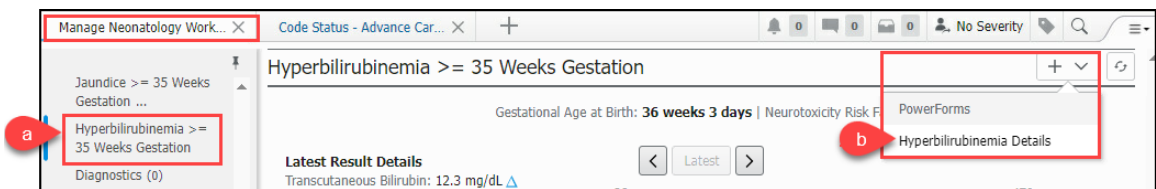
New Hyperbilirubinemia Component

A new **Hyperbilirubinemia \geq 35 Weeks Gestation** component is added to the following Workflows:

- Manage Pediatrics Workflow (Pediatrician/Neonatologist)
- Manage Neonatology Workflow (Pediatrician/Neonatologist)

Within the Workflow:

1. Complete the Hyperbilirubinemia Details PowerForm and document the presence of Neurotoxicity.
 - a. Navigate to the Hyperbilirubinemia \geq 35 Weeks Gestation component.
 - b. Click the down arrow and select the Hyperbilirubinemia Details PowerForm.



- c. Select **Yes** or **No** to Neurotoxicity Risk Factors.

Note: Selecting **No** will default in **None** for the Neurotoxicity Risk Factor Details.

Note: Selecting **Yes** will require the user to document Neurotoxicity Risk Factor Details.

NOTE: Most recent result for Albumin, Serum will display below for current encounter if available.
No qualifying data available.

Hyperbilirubinemia Neurotoxicity Risk Factors
 -Known Albumin less than 3.0 g/dL
 -Isoimmune hemolytic disease (i.e., positive direct antiglobulin test), G6PD deficiency, or other hemolytic conditions
 -Sepsis
 -Significant clinical instability in the previous 24 hours
 -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).

- d. Sign the PowerForm with in the left upper corner.

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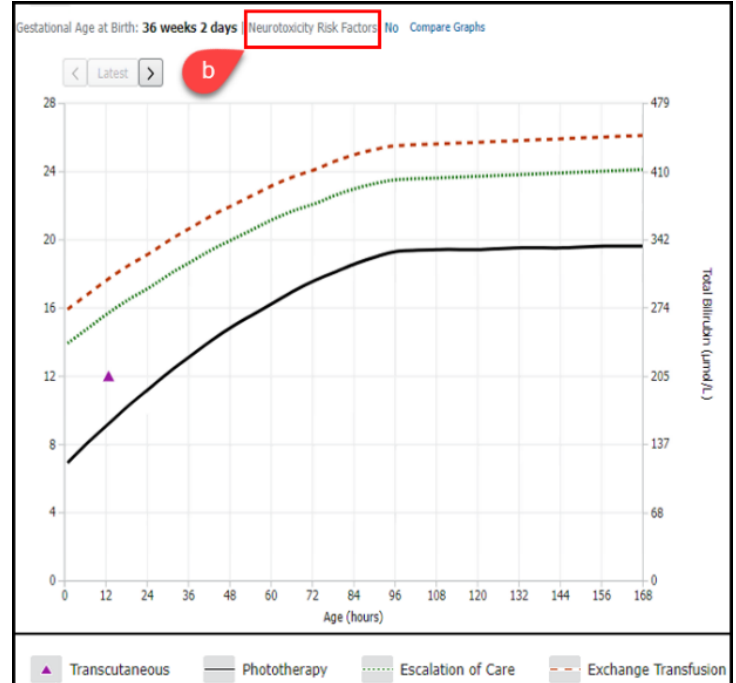
2. View the Graphs within the component.
 - a. The Latest Results Details, the Latest Recommendations, and the Post-Discharge Follow-Up Recommendations are displayed on the left side of the screen.
 - b. The Neurotoxicity Risk Factors Graph is displayed on right side of the screen.

Latest Result Details
 Transcutaneous Bilirubin: 12 mg/dL ▲
 Age: 13 hours
 Result Date/Time: Feb 6, 2024 14:00

Latest Recommendations

Intervention	Recommendation	Threshold
If using Transcutaneous, confirm with Serum	Yes	6.2 mg/dL
Phototherapy	Yes	9.2 mg/dL
Escalation of Care	No	15.7 mg/dL
Exchange Transfusion	No	17.7 mg/dL

Post-Discharge Follow-Up Recommendations
 Post-discharge recommendations are unavailable because the patient has received phototherapy.



- c. Select Compare Graphs to display the Alternate View.

Gestational Age at Birth: 36 weeks 3 days | Neurotoxicity Risk Factors: Yes | Compare Graphs

- i. A new screen opens with the Primary and Alternate Views for comparison.

