

# IT Communication

**Date:**  
**09/24/2013**

**ID #: 2386**

**Service Line:** ☐ AMB ☐ ANC ☐ CV ☐ EC ☐ Lab ☐ MISD ☐ NUR ☐ OB ☒ PHYS ☐ RAD  
☐ RevCycle ☐ Rx ☐ SUR

**Target Audience:** Physicians

**Category:** ☐ Build ☐ Security ☐ Printing ☒ Training ☐ Interface ☐ TBD

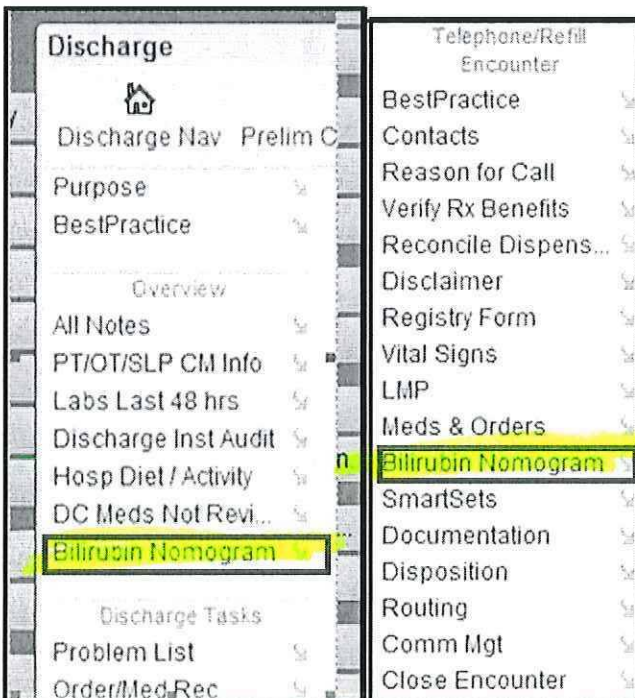
**Subject:** Bilirubin Nomogram

**Effective Date:** October 1, 2013

Based upon Dr. Jeffrey Maisels' work on hyperbilirubinemia, bilirubin plotting on the nomogram and follow up guidelines have been automated in oneChart. Phototherapy and exchange transfusion guidelines are also automated as part of this new feature.

You can access a Bilirubin Nomogram from:

- Office visit navigator
- Telephone encounter navigator
- From hospital charts, in the rounding, admission, and discharge navigators



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## ❖ Doc flowsheet

- From documentation flowsheet, access the TcB flowsheet template (if the patient has transcutaneous bilirubin documented), then click on the TcB report button at the top left.

## ❖ All Reports (search and add)

%	Report Name	Report Display Name	ID
<input type="checkbox"/>	WBH Bilirubin Nomogram	Bilirubin Nomogram	99900001

- From a Hospital Chart, in the Patient List Summary (outside of the patient's chart), or Patient Summary Report (inside the patient's chart), "wrench" in the Nomogram report will provide access.

## ❖ Chart Review – Lab Result

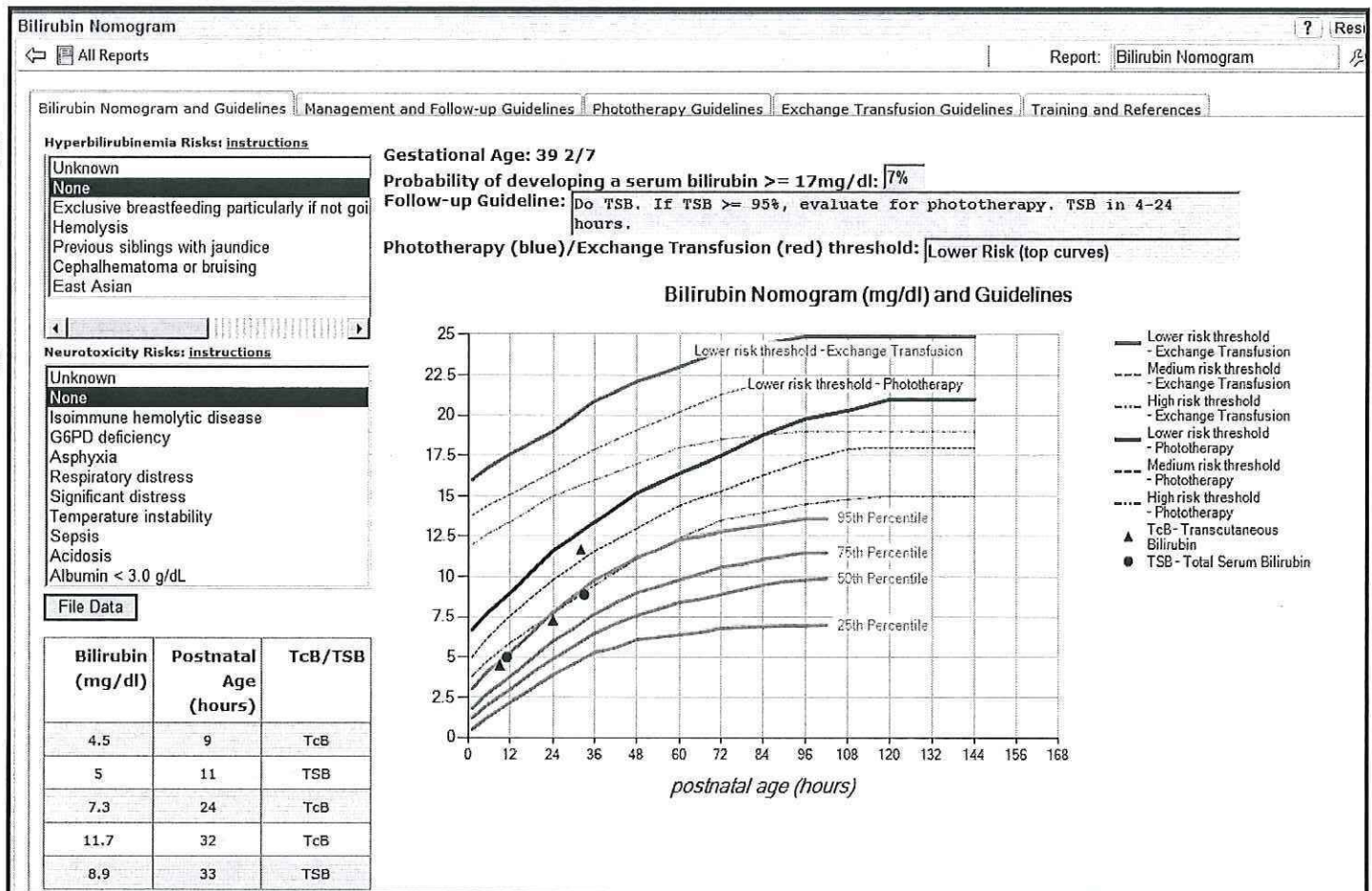
BILIRUBIN NEONATAL AND DIRECT	
Results	
Entry Date 3/1/2013	
Component Results	
Component	Value
Bilirubin Total	11.0
Bilirubin Direct	0.5
All testing performed at Beaumont Laboratory Royal Oak, Tro	
<a href="#">Open Result Details</a>	
Order-Level Documents:	
There are no order-level documents.	
Bilirubin Nomogram	
<a href="#">Bilirubin nomogram and guidelines</a>	

- From Chart Review > Labs tab, if the patient has total serum bilirubin resulted, then accessing the result report will provide a link to the nomogram.
- From Results Review, if the patient has total serum bilirubin resulted, then accessing the result report will provide a link to the nomogram.

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## ○ How to use the Bilirubin Nomogram and Guidelines

### ○ Automated Data

- Gestational age, age in hours, bilirubin values (transcutaneous and serum)

### ○ Data requiring manual entry

#### 1 • Risks for hyperbilirubinemia

- Selecting one of the values other than UNKNOWN will automatically display the follow up guidelines and probability of developing hyperbilirubinemia.
- Click on instructions to view details.

#### 2 • Risks for neurotoxicity

- Selecting one of the values other than UNKNOWN will automatically highlight the appropriate risk threshold curve (higher, medium, or low risk) for phototherapy and exchange transfusion guidelines.

See  
screen  
shot  
above





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- Please note that if the patient is at lower risk of neurotoxicity, then the top threshold curves will be highlighted as lower risk patients have higher thresholds for intervention. Similarly, higher risk patients will have the bottom threshold curves highlighted.
- Click on instructions to view details.
- If multiple risk factors exist, use CTRL-click to select additional values.
- Click on FILE DATA button to save the data. Once filed and saved, they will not need to be reentered.

Bilirubin Nomogram	
 All Reports	Report: <input type="text" value="Bilirubin Nomogram"/> 
<div> <span>Bilirubin Nomogram and Guidelines</span> <span>Management and Follow-up Guidelines</span> <span>Phototherapy Guidelines</span> <span>Exchange Transfusion Guidelines</span> <span>Training and References</span> </div>	

- Other Tabs
  - i. Management and Follow-up Guidelines – this tab will highlight current recommendations amongst all recommendations so the user can comprehensively view various guidelines within various factors based upon gestational age, percentile in nomogram, and risk for hyperbilirubinemia. It will also highlight the probability for developing hyperbilirubinemia.
  - ii. Phototherapy guidelines – this tab displays static information on phototherapy guidelines
  - iii. Exchange transfusion guidelines – this tab displays static information on exchange transfusion guidelines
  - iv. Training and references – this tab will display links to referenced articles