Module 5: Viewing Results in SIS

Introduction – Viewing Results

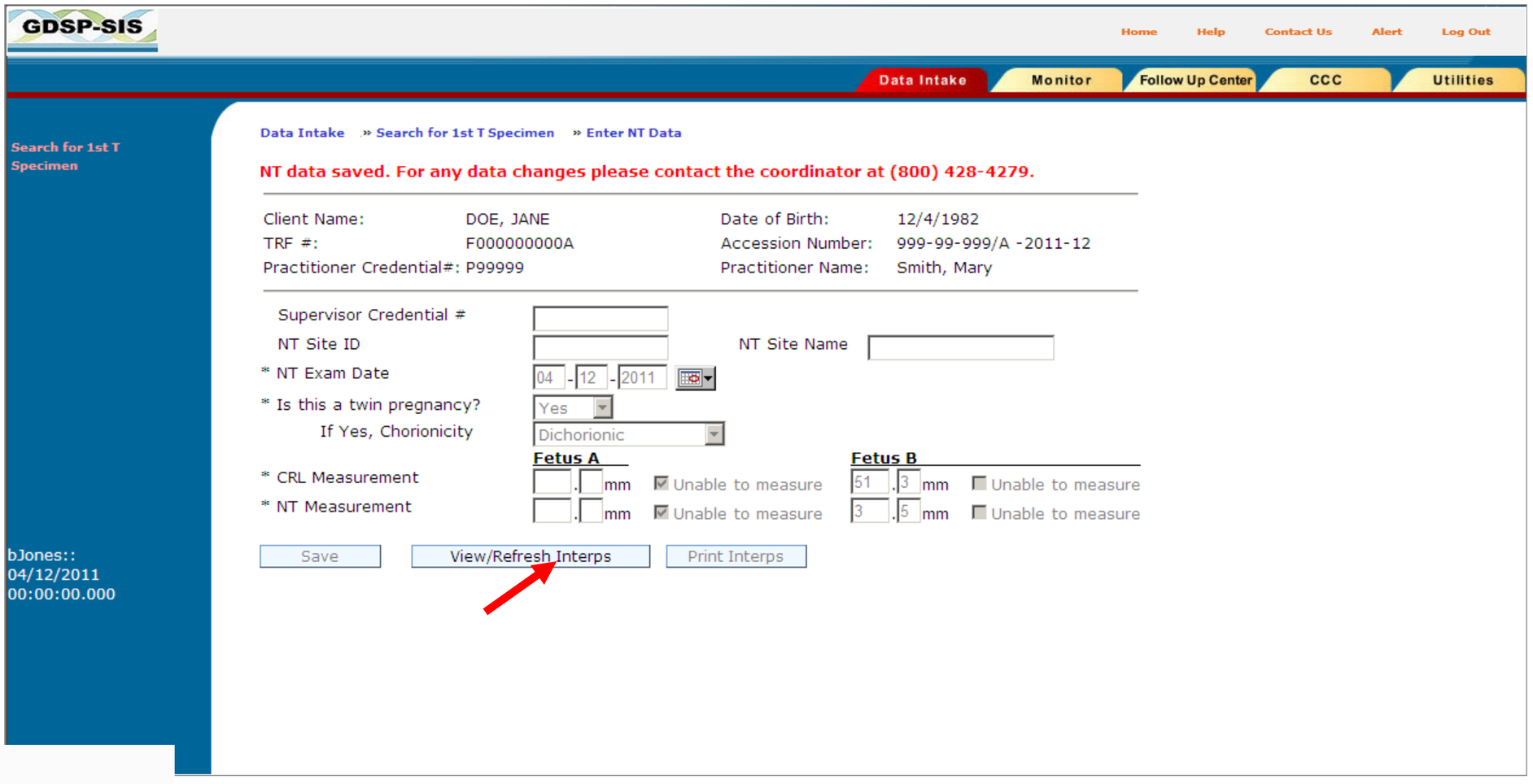
Accurately communicating case interpretation to patients is one of the most important tasks in the screening process. This module will cover:

- Viewing case interpretation.
- Working with a Case Coordinator to verify interpretation factors.
- Communicating results and follow-up options to patients.

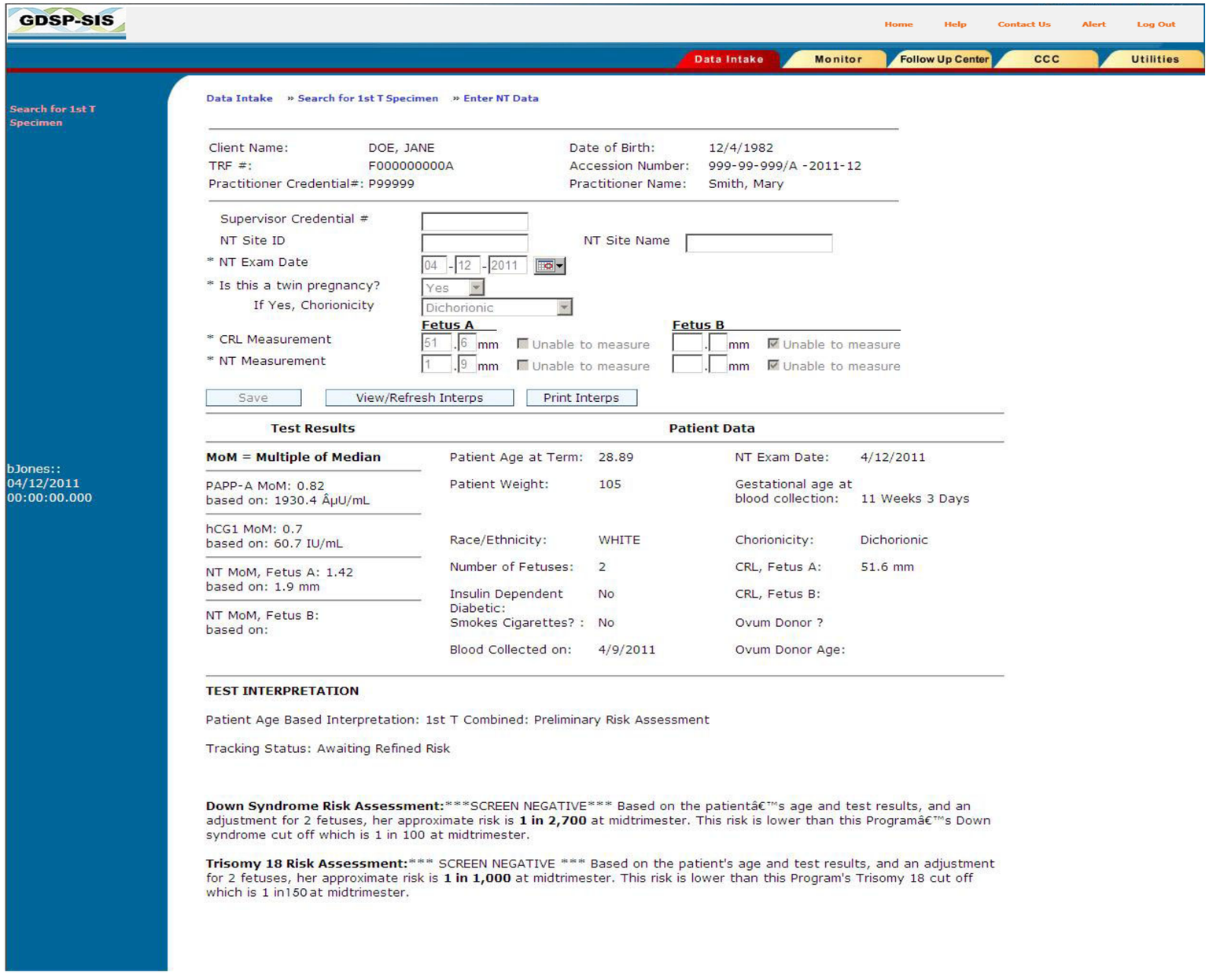
Please Note: While all NT Data Entry Staff can view and print test results, only licensed medical professionals and genetic counselors should be discussing results and follow-up options with patients.

View/Refresh Interpretations

Once you have saved your NT exam data (refer to previous module), you will be able to view and print the most current interpretation by clicking the **View/Refresh Interps** button.



Reviewing Results



GDSP-SIS

Home Help Contact Us Alert Log Out

Data Intake | Monitor | Follow Up Center | CCC | Utilities

Search for 1st T Specimen

Data Intake » Search for 1st T Specimen » Enter NT Data

Client Name: DOE, JANE
TRF #: F000000000A
Practitioner Credential#: P99999
Date of Birth: 12/4/1982
Accession Number: 999-99-999/A -2011-12
Practitioner Name: Smith, Mary

Supervisor Credential #
NT Site ID
NT Site Name
* NT Exam Date 04 - 12 - 2011
* Is this a twin pregnancy? Yes
If Yes, Chorionicity Dichorionic

	Fetus A		Fetus B	
* CRL Measurement	51 . 6 mm	Unable to measure	. mm	Unable to measure
* NT Measurement	1 . 9 mm	Unable to measure	. mm	Unable to measure

Save | View/Refresh Interps | Print Interps

Test Results | **Patient Data**

MoM = Multiple of Median

PAPP-A MoM: 0.82
based on: 1930.4 ÂµU/mL

hCG1 MoM: 0.7
based on: 60.7 IU/mL

NT MoM, Fetus A: 1.42
based on: 1.9 mm

NT MoM, Fetus B:
based on:

Patient Age at Term:	28.89	NT Exam Date:	4/12/2011
Patient Weight:	105	Gestational age at blood collection:	11 Weeks 3 Days
Race/Ethnicity:	WHITE	Chorionicity:	Dichorionic
Number of Fetuses:	2	CRL, Fetus A:	51.6 mm
Insulin Dependent Diabetic:	No	CRL, Fetus B:	
Smokes Cigarettes? :	No	Ovum Donor ?	
Blood Collected on:	4/9/2011	Ovum Donor Age:	

bJones::
04/12/2011
00:00:00.000

TEST INTERPRETATION

Patient Age Based Interpretation: 1st T Combined: Preliminary Risk Assessment

Tracking Status: Awaiting Refined Risk

Down Syndrome Risk Assessment:***SCREEN NEGATIVE*** Based on the patientâ€™s age and test results, and an adjustment for 2 fetuses, her approximate risk is **1 in 2,700** at midtrimester. This risk is lower than this Programâ€™s Down syndrome cut off which is 1 in 100 at midtrimester.

Trisomy 18 Risk Assessment:*** SCREEN NEGATIVE *** Based on the patient's age and test results, and an adjustment for 2 fetuses, her approximate risk is **1 in 1,000** at midtrimester. This risk is lower than this Program's Trisomy 18 cut off which is 1 in150 at midtrimester.

Case interpretation will appear at the bottom of the *Enter NT Data* screen. This report will include:

- Test Results
- Patient Data
- Test Interpretation

Test Results and Patient Data

Test Results
MoM = Multiple of Median
PAPP-A MoM: 0.22 based on: 2.46 µU/mL
hCG1 MoM: 0.85 based on: 25.61 IU/mL
NT MoM, Fetus A: 1.17 based on: 2.2 mm
NT Mom, Fetus B: based on:

Test Results summarizes the blood analysis results, NT measurements, and the calculated Multiples of the Median (MoM) for each test.

Patient Data summarizes personal characteristics and gestational dating information. This data affects the interpretation of analytical results, so you should review this information with your patient to ensure that the data presented is accurate. If there are any errors, please contact the Case Coordinator so that the information can be corrected and the case can be reinterpreted.

Patient Data			
Patient Age at Term:	26.99	NT Exam Date:	6/25/2008
Patient Weight:	262	Gestational age at blood collection:	13 Weeks 3 Days
Race/Ethnicity:	WHITE OTHER SE ASIAN	Chorionicity:	
Number of Fetuses:	1	CRL, Fetus A:	71.4 mm
Insulin Dependent Diabetic:	No	CRL, Fetus B:	
Smokes Cigarettes? :	No	Ovum Donor ?	No
Blood Collected on:	6/26/2008	Ovum Donor Age:	

Test Interpretation

Test Interpretation summarizes the overall screening result. If the risk assessment for both Down syndrome and Trisomy 18 is **below** the PNS Program's first trimester risk cutoff (1 in 100 and 1 in 150, respectively), the case receives a preliminary *Screen Negative* result. If the risk assessment for either Down syndrome or Trisomy 18 is above the PNS Program's first trimester risk cutoff, the case receives a preliminary *Screen Positive* result.

TEST INTERPRETATION

Overall Interpretation: 1st T Combined: Preliminary Risk Assessment
Tracking Status: Awaiting Refined Risk

DOWN SYNDROME RISK ASSESSMENT: ***SCREEN NEGATIVE*** Based on the patient's age and test results, her midtrimester risk is **1 in 1300.** This risk is lower than this Program's Down syndrome cutoff which is 1 in 100 at midtrimester. Over-estimation of gestational age is a possible reason for a screen positive result.

TRISOMY 18 RISK ASSESSMENT: ***SCREEN NEGATIVE*** Based on the patient's age and test results, her risk is **1 in 150** midtrimester.

Note: Cases with an NT measurement greater than or equal to 3.0 mm receive a Test Interpretation of *Large NT Screen Positive*, regardless of the numerical risk assessment for Down syndrome and Trisomy 18.

Preliminary Screen Negative

Test Interpretation summarizes the overall screening result. If the risk assessment for both Down syndrome and Trisomy 18 is **below** the PNS Program's first trimester risk cutoff (1 in 150 and 1 in 100, respectively), the case receives a preliminary *Screen Negative* result. If the risk assessment for either Down syndrome or Trisomy 18 is above the PNS Program's first trimester risk cutoff, the case receives a preliminary *Screen Positive* result.

TEST INTERPRETATION

Overall Interpretation: 1st T Combined: Preliminary Risk Assessment
Tracking Status: Awaiting Refined Risk

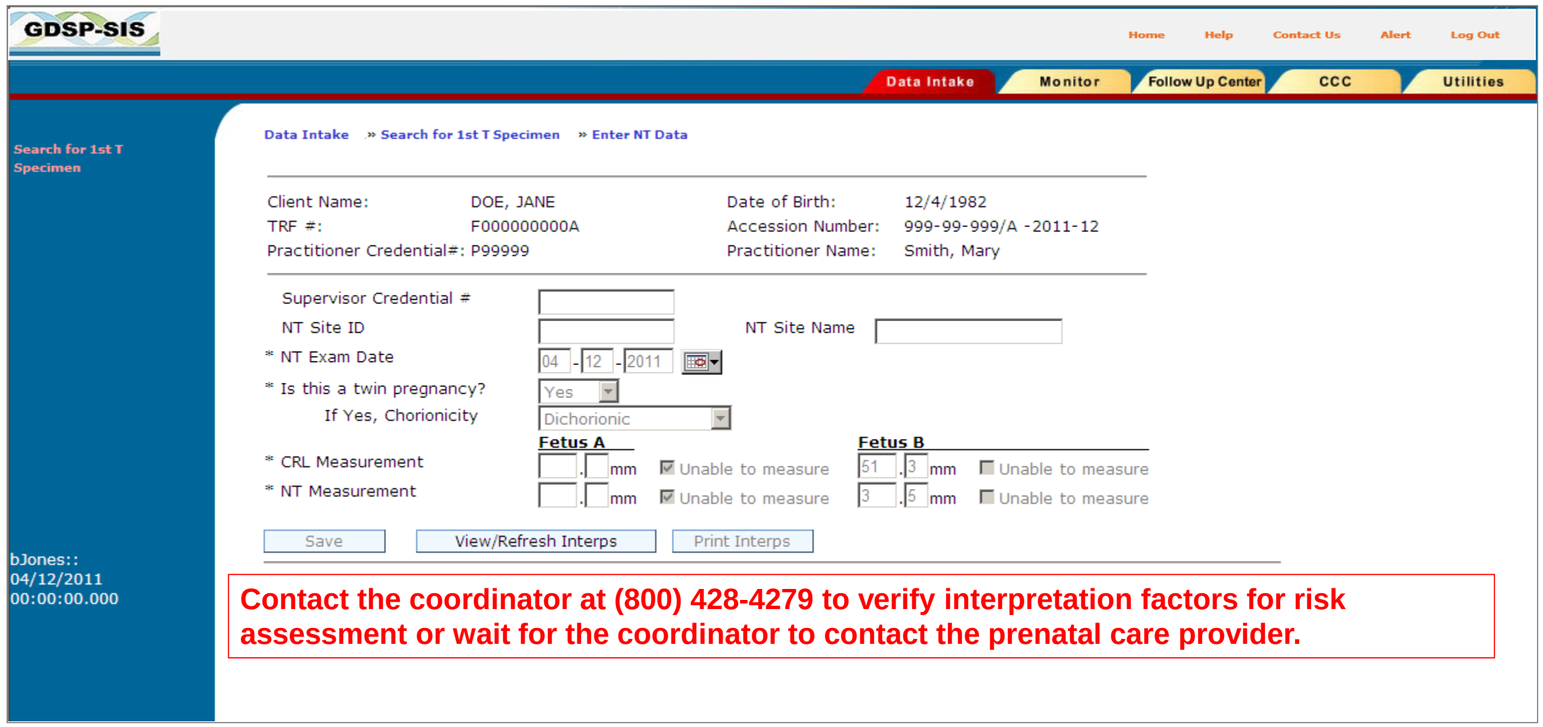
DOWN SYNDROME RISK ASSESSMENT: ***SCREEN NEGATIVE*** Based on the patient's age and test results, her midtrimester risk is **1 in 1300.** This risk is lower than this Program's Down syndrome cutoff which is **1 in 100** at midtrimester.
Over-estimation of gestational age is a possible reason for a screen positive result.

TRISOMY 18 RISK ASSESSMENT: ***SCREEN NEGATIVE*** Based on the patient's age and test results, her risk is **1 in 150** midtrimester.

Note: Cases with an NT measurement greater than or equal to 3.0 mm receive a Test Interpretation of *Large NT Screen Positive*, regardless of the numerical risk assessment for Down syndrome and Trisomy 18.

Delayed Interpretation Results

In some cases, the interpretation result will not display immediately. Instead, you may see a message directing you to contact the Coordinator.



This message is triggered by a missing interpretation factor or an initial *Screen Positive* result. In either case, all interpretation factors must be verified before the interpretation can be recalculated and finalized.

Next Steps for Delayed Results

If you receive the message to call the Coordinator and wish to provide your patient with results:

1. Call the Case Coordinator and verify the interpretation factors for your patient. First trimester interpretation factors include: blood collection date, race/ethnicity, patient weight, ovum donor age (if relevant), diabetic status, and smoking status.

2. Wait as the Case Coordinator reinterprets the case in SIS. Click on the **View/Refresh Interps** button to see the recalculated results.

3. Click on the **Print Interps** button to provide the patient with a copy of the results as well as information about her follow-up options authorized through the PNS Program.

Next Steps for Delayed Results

If you do not wish to proceed with interpretation verification, you can exit from SIS. Your patient will not be able to obtain immediate risk assessment results. Results will be provided to your patient via the following steps:

1. The Case Coordinator will be alerted through SIS that the interpretation factors must be reviewed and will contact the referring clinician.

2. The referring clinician will receive the final interpretation result and be responsible for communicating the results to the patient.

3. The patient may also receive a mailer from the Case Coordinator communicating options for next steps.

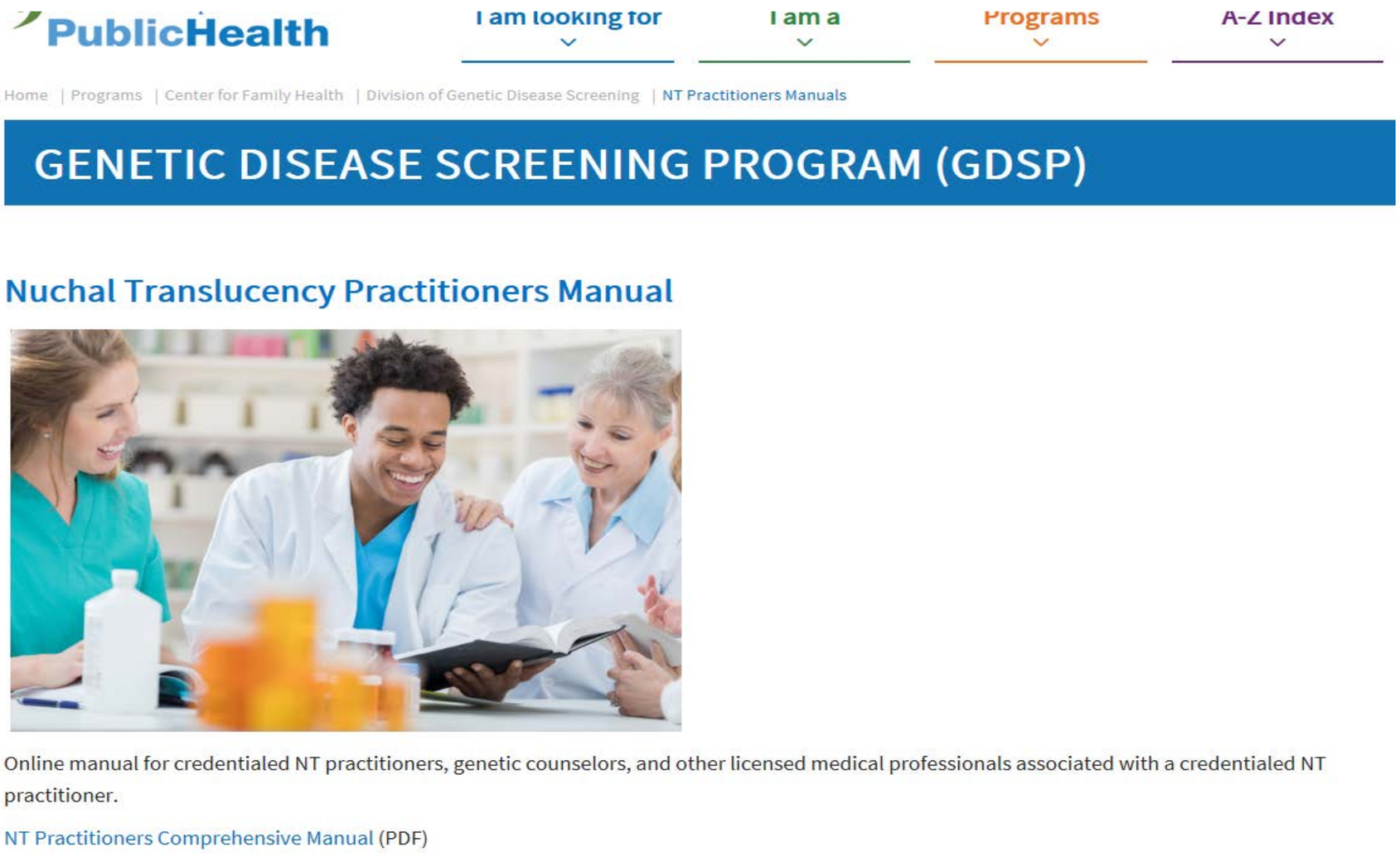
Other Potential Scenarios

You may also encounter one of these case interpretation messages:

Message	Case Status	Required Action
“Laboratory results not yet available.” -or- “Tracking Status: Pending; waiting for test results.”	NT information is valid and has been associated with the blood specimen, but analytical results are not yet available.	Results will not be immediately available to your patient. Referring clinician will follow up with results.
“Tracking Status: Tell Clinician ***Too Early*** (or ***Too Late***).”	NT information is valid and has been associated with the blood specimen, but the blood specimen was collected outside of the valid gestational age range for blood testing.	The Case Coordinator will follow up with the referring clinician regarding the patient’s screening options.

Viewing Results

For additional information on risk assessment, case interpretation, and follow-up options, refer to Chapter 3 of the *Nuchal Translucency Practitioner Manual*. The manual is available on the Program's website for NT Practitioners .



Summary

SIS allows immediate case interpretation and communication of screening results to your patients.

Case interpretation requires accurate patient information, such as race/ethnicity, patient weight, blood collection date, and date of birth. Verify these factors with your patient to ensure correct data has been entered.

Screen Negative patients have the option of submitting a second trimester blood sample for sequential integrated screening.

If you provide *Screen Positive* and *Large NT Screen Positive* patients with screening results, you must also provide information on follow-up options.

Main Menu

Module 1 - Introduction

Module 2 – Understanding SIS

Module 3 – Client Searching

Module 4 – Entering NT Data

Module 5 – Viewing Interpretation Results

Module 6 – Wrap-up

You have just completed Module 5.
Return to the NT Practitioners Training
Continue to Module 6