



Module 2: Diagnoses Associated with Prematurity and Developmental Implications



Early Intervention Professional Learning Facilitator's Guide

MARYLAND STATE DEPARTMENT OF EDUCATION/DIVISION OF SPECIAL EDUCATION/ EARLY INTERVENTION SERVICES

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OBJECTIVES

Upon completion of this training module, early intervention staff will be able to:

- 1) Identify diagnoses associated with prematurity;
- 2) Identify the potential developmental impact of those diagnoses;
- 3) Describe the importance of developmental monitoring; and
- 4) Describe the purpose and role of NICU Follow-Up programs as a linkage service.

TOPICS COVERED IN THIS MODULE

- ◆ Intraventricular Hemorrhage
- ◆ Post Hemorrhagic Hydrocephalus
- ◆ Periventricular Leukomalacia
- ◆ Hypoxic Ischemic Encephalopathy
- ◆ Chronic Lung Disease
- ◆ Necrotizing Enterocolitis
- ◆ Retinopathy of Prematurity
- ◆ Apnea and Bradycardia
- ◆ Small for Gestational Age
- ◆ Respiratory Syncytial Virus

TIME

It will take approximately 60 minutes to deliver this training module.

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Module 2 of 5



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Materials/Resources Needed:

- ◆ Chart paper (optional)
- ◆ Timer/stop watch
- ◆ *Module 2: Diagnoses Associated with Prematurity and Developmental Implications* recorded presentation
- ◆ *Alphabet Soup* handout (one per participant)
- ◆ *Decoding a Discharge Summary* handout (one per group of 3-4 participants)
- ◆ *Decoding a Discharge Summary* key
- ◆ Small prize for Alphabet Soup activity winner (optional)

NOTE: To access this module's presentation and handouts, visit the online companion.

PROCEDURE

- 1) Share the session title and objectives with participants (displayed on chart paper or directly from online companion website).
- 2) To activate participant's prior knowledge, present the following Think About: *Consider your familiarity with diagnoses associated with developmental delay. Are there particular diagnoses that you know of that are more likely to result in developmental delay?*
- 3) Give each participant a copy of the *Alphabet Soup* handout and give them 1 minute to list the names for as many acronyms as possible. Instruct them to turn their papers over after the 1 minute mark.
- 4) Play the *Module 2: Diagnoses Associated with Prematurity And Developmental Implications* presentation via the online companion website.
- 5) At the end of the presentation, review the answers to the *Alphabet Soup* activity (see Facilitator's Key on page 3) and consider providing a small prize for the participant who got the most answers correct.
- 6) Divide the group into teams of 3-4 people. Give each team a copy of the *Decoding a Discharge Summary* handout.
 - Allow 10 minutes for the teams to review the discharge summary together and answer the following questions written on the handout:
 - a. Does the child have one or more high probability medical conditions? If so, list them.
 - b. Are there any findings important to early intervention?
 - c. Who should participate on the eligibility evaluation team?
 - d. What linkages should you consider adding to the IFSP
 - Review the answers with the whole group (see Facilitator's Key on page 3).
- 7) To bring closure to the training session, present the following Take Away: *All children born weighing less than 1,200 grams are automatically eligible for the Maryland Infants and Toddlers Program; as are those with a Grade III or IV IVH, PHH, PVL, CLD, surgical NEC, ROP with visual impairment or HIE.*

Facilitator's Key for Alphabet Soup Activity

- 1) IVH: Intraventricular Hemorrhage
- 2) PHH: Post Hemorrhagic Hydrocephalus
- 3) PVL: Periventricular Leukomalacia
- 4) HIE: Hypoxic Ischemic Encephalopathy
- 5) CLD: Chronic Lung Disease
- 6) NEC: Necrotizing Enterocolitis
- 7) ROP: Retinopathy of Prematurity
- 8) As & Bs: Apnea & Bradycardia
- 9) SGA: Small for Gestational Age
- 10) RSV: Respiratory Syncytial Virus

Facilitator's Key for Discharge Summary Activity

- 1) Does the child have one or more high probability medical conditions? If so, list them.
 - **Birthweight 545 grams (<1200g)**
 - **Chronic lung disease (CLD)**
 - **Surgical necrotizing enterocolitis (NEC)**
 - **Bilateral Grade III Intraventricular Hemorrhage (IVH)**
 - **Periventricular leukomalacia (PVL)**
- 2) Are there any findings important to early intervention?
 - **Date of birth 10/11/12**
 - **Gestational age 25 weeks**
 - **Retinopathy of prematurity (ROP)**
 - **Passed brainstem auditory response (hearing) bilaterally**
 - **Hypertonia greater in lower extremities**
- 3) Who should participate on the eligibility evaluation team?
 - **Physical therapist (and another professional)**
- 4) What linkages should you consider adding to the IFSP?
 - **Pediatrician: Dr. Green**
 - **Pulmonology**
 - **Ophthalmology**
 - **NICU Follow-up Clinic**
 - **Pediatric Surgery Clinic**
 - **Home nursing Sunnyside**
 - **Synagis**
 - **Home apnea monitor**