

**Standardized  
Developmental Screening:  
Using the Ages and Stages  
Questionnaire - 3  
Screening Tool**

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**Faculty**

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**Part 3:  
Features of the ASQ-3 and  
ASQ-3 Administration  
and Scoring**

*Case Study: Andrew*

**Features of the ASQ-3**

- 21 questionnaire intervals:
  - 2, 4, 6, 8, 9, 10, 12, 14, 16, 18, 20, 22, and 24 months (spaced 2 months apart)
  - 27, 30, 33, and 36 months (spaced 3 months apart)
  - 42, 48, 54, and 60 months (spaced 6 months apart)

**Selecting the Correct  
Questionnaire**

- Through the age of 24 months
  - Administer within two month “window”
  - For example, 16 month ASQ-3 is valid from 15 months through the end of the 16th month

**Selecting the Correct  
Questionnaire**

- Over the age of 24 months
  - Windows have been “stretched” so that there are no gaps
  - Each interval has an age range clearly marked on the first two pages of each questionnaire

### Correcting for Pre-maturity

- If child is under 24 months and pre-mature by at least three weeks then correct for pre-maturity

### Correcting for Pre-maturity

- Confirm child's exact age at time of screen
- If child is under 24 months and pre-mature by *at least three weeks* then correct for pre-maturity
- Subtract weeks of pre-maturity from child's age and use that corrected age ASQ-3

### Calculate Age

- Confirm child's exact age at time of screen

Year	Month	Day	<i>Administration of ASQ-3</i>
<u>-Year</u>	<u>Month</u>	<u>Day</u>	<i>Date of Birth</i>
= Child's Age			

### Exact Age

- Example

2009	10	14	( Oct. 14, 2009 date of ASQ-3)
<u>-2008</u>	<u>4</u>	<u>30</u>	( DOB)
1yr. 6 mo. -16 days			

- Equals 1yr. 5 months 2 weeks 2 days  
= 17 ½ months

### Correcting for Prematurity: Adjusted Age

- Andrew's age is 17 1/2 months
- Andrew was 6 weeks premature
- Next adjust Andrew's actual age by subtracting 6 weeks
- Andrews Adjusted Age is 16 months ( 2 days)

### Three Main Parts of ASQ-3

#### 1. Family Information Sheet

- Date of completion- be sure correct interval ( at top left of sheet) is used
- Allows a program/school to personalize the ASQ-3 questionnaires

### Three Main Parts of ASQ-3

1. Family Information Sheet
  - Corrected date of birth if child is under 24 months and three or more weeks pre-mature
2. Developmental items - questions written at 4th to 6th grade reading level
3. ASQ-3 Summary Sheet

### Features: ASQ-3 Developmental Items

- Each interval of ASQ-3 has 30 questions about child's five areas of development
- Each developmental area has six questions
  - Communication    – Problem Solving
  - Gross Motor        – Personal Social
  - Fine Motor

### Features

- Questions are in *hierarchical* order
  - That is, the most difficult questions (numbers 5 and 6) are *average* skills for children of that age
  - For example, a 48-month skill for a 48-month old child

### Features

- Questions are answered “yes,” “sometimes,” and “not yet”
- Yes = 10
- Sometimes = 5
- Not yet = 0

### Features: The Overall Section

- Unscored section used to indicate parents' concerns
- Very predictive
- Looks at *quality* of skills (e.g., speech, movement)

### Features: The Overall Section

- 4, 6, 8, 10, and 12 month questionnaires ask questions to detect cerebral palsy:
  - “Does your baby use both hands equally well?”
  - “When you help your baby stand, are his feet flat on the surface most of the time?”

### **Features: The Overall Section**

- Any questionable response requires follow-up

### **Features: Information Summary Sheet**

- Each summary sheet is specific to an interval
- Summary sheets have five sections:
  - Bar graph of the five domain scores
  - Overall responses section

### **Features: Information Summary Sheet**

- Score interpretation and recommendations
- Follow-up action taken
- Optional: item responses summary for each question

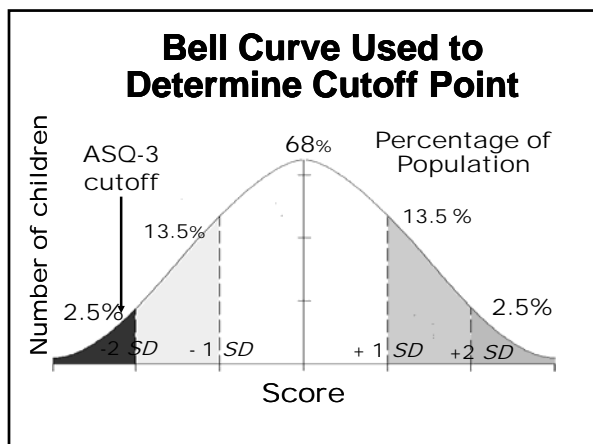
### **Follow-up/Referral Criteria**

- Well above cutoff points:
  - Provide follow-up activities and rescreen at next well child visit

### **Follow-up/Referral Criteria**

- Close to cutoffs:
  - Provide follow-up activities to practice specific skills
  - Make community referrals as appropriate
  - Rescreen in 4-6 months or sooner if necessary

- The highest score the child can make is “Average”



### Information Needed to Guide Decisions: Risk and Protective Factors

- **Biological/health factors**
- **Environmental factors**
  - **Stressful life events**
  - **Social supports**
  - **Family/caregiving environment**

### Information Needed to Guide Decisions: Risk and Protective Factors

- **Developmental history**
- **Family and cultural context**
- **Parent concerns**

### Prescreening Activities

- **Obtain consent from the parent or caregiver**
- **Explain the purpose of screening to parents, and review the questionnaire content**
- **Schedule the screening**

### Prescreening Activities

- **Mail the ASQ-3 2 weeks before the visit, or leave the ASQ-3 with a parent on a previous visit to review**
- **Assemble materials (if necessary)**

### Correcting for Prematurity

- **Either of the following methods can be used to determine the appropriate interval for a child**
  - **Use if child is three or more weeks premature, up to age two years**
  - **CDOB: Add weeks of prematurity to date of birth to obtain a corrected date of birth**

### Correcting for Prematurity

- Adjusted age: Subtract weeks of prematurity from present age to determine corrected age

### Scoring the ASQ-3

- Step 1: Total the points in each area: “yes” = 10; “sometimes” = 5; “not yet” = 0
- Step 2: Transfer the area totals to the Information Summary form
  - Fill in the matching circle in the space provided

### Scoring the ASQ-3

- Step 3: Read the answers to the “overall” section questions carefully and respond appropriately
- Step 4: Recommend further attention or assessment for any score falling near or into the shaded area

### ASQ-3 Omitted Item(s)

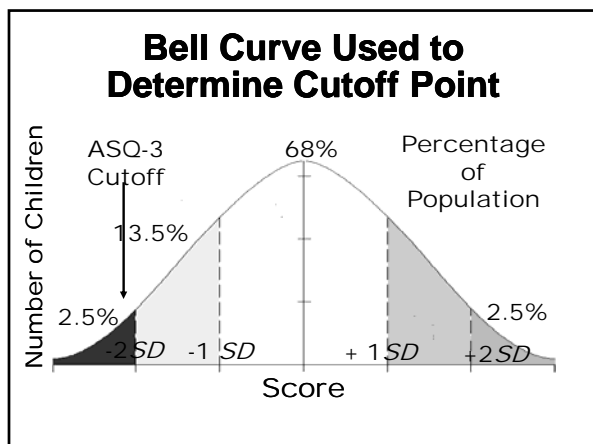
- Try to obtain answers from the family
- It is okay to omit up to two items per area
- See the ASQ-3 User’s Guide for additional guidance

### ASQ-3 Omitted Item(s)

- Calculation:
  - Step 1: Divide the total area score by the number of questions answered in that area
    - For example, 45 (points in personal social area) /5 (questions) = 9 points

### ASQ-3 Omitted Item(s)

- Step 2: Add this number, which is the average score for items in this area, to the total area score to get a new total score
  - For example, 45 + 9 points = new personal social area total of 54 points
- (Refer to p.4 of Quick Start Guide for Adjusted Area Score)



### Follow-up/Referral Criteria

- **Well above cutoff points:**
  - **Provide follow-up activities and rescreen at next well child visit**

### Follow-up/Referral Criteria

- **Close to cutoffs:**
  - **Provide follow-up activities to practice specific skills**
  - **Make community referrals as appropriate**
  - **Rescreen in 4-6 months or sooner if necessary**

### Follow-up/Referral Criteria

- **Below cutoff in one or more areas:**
  - **Refer for diagnostic assessment**
  - **Send ASQ-3 Summary Sheet**
    - **Age Birth to 36 months**

### Follow-up/Referral Criteria

- **Age Birth to 36 months**
  - **Early Intervention Child Find number, 1-800-543-3098 (or TTY 800-499-1816), or by calling the Alabama Department of Rehabilitation Services at 334-281-8780**

### Follow-up/Referral Criteria

- **Public Health Department Patient First Care Coordinator**
  - **Medicaid eligible children**
- **Local school system- age 3 years and up**

### Parental Concerns

- Respond to all concerns
- Screen even if between recommended age for screening
- Refer if necessary

### Information Needed to Guide Decisions: Risk and Protective Factors

- Biological/health factors
- Environmental factors
  - Stressful life events
  - Social supports
  - Family/caregiving

### Information Needed to Guide Decisions: Risk and Protective Factors

- Developmental history
- Family and cultural context
- Parent concerns

### Communicating Screening Results

- Assure the family that the discussion is confidential
- Review the purpose of screening
- Avoid terms such as *test, pass, or fail*
  - Instead, use *below cutoff or near cutoff*

### Communicating Screening Results

- Review the ASQ-3, and explain area scores
- Emphasize child and family strengths
- Provide specific examples of concerns
- Invite parents to share their observations and/or concerns

### Communicating Screening Results\*

- Prepare for the meeting carefully:
  - Make notes about behaviors
  - Note information you need to gather (e.g., health history) from the family
  - Select a private, comfortable place to meet



### **Communicating Screening Results\***

- **Prepare for the meeting carefully:**
  - **Consider cultural or language issues**
  - **Know your community resources**
  - **Be calm!**

\* From the Hilton/Early Head Start Training Program, Sonoma State University)

### **In Summary**

- **Screening tools can help bridge communication with families**
- **Screening tools can assist in making referrals to community agencies**
- **Referrals should be based on a variety of considerations in addition to scores**

### **In Summary**

- **Developmental issues are very complicated**
- **Use available resources to make decisions about what steps to take after screening**