An Introduction to ASQ®-3
Why Screen?

• To detect delays early
• To improve child outcomes
• To encourage parent involvement and education
• Because screening is recommended by major educational and medical organizations, including
  – American Academy of Pediatrics
  – Head Start
  – Early and Periodic Screening, Diagnosis and Treatment Program (EPSDT), Medicaid’s child health program
What Is ASQ-3?

• The third edition of widely used developmental screening tool
• A series of illustrated parent- or caregiver-completed questionnaires
What Is ASQ-3?

- Used to accurately identify children who may be at risk for developmental delays
- Designed to encourage parent involvement and education
- Low-cost, reliable, and rigorously tested
- Also offers online questionnaire completion and online data management systems
How Was ASQ-3 Developed?

• ASQ initiated in 1980 at University of Oregon
• Authors reviewed other standardized tests and studied the literature extensively to design a better tool for screening
• ASQ skills were selected because they are easily observed or elicited by parents at home
• First edition published in June 1995
• ASQ-3 published in June 2009
Why Choose ASQ-3?

• Proven accurate by new research—highly reliable and valid
• “Anytime” screening—expanded administration windows so the intervals are seamless from 1 through 66 months
• Fast and easy scoring
• Educates families and is parent friendly
• Strengths based—it’s easy to share results and talk about a child’s development
Screen with ASQ-3 in 3 Simple Steps

• **Step 1: Try the items/Answer the questions**
  - Parents can easily try activities with their child
  - 3 simple responses: Yes, Sometimes, or Not Yet

• **Step 2: Score the questionnaire**
  - Professionals score in just 2–3 minutes

• **Step 3: Get the results**
  - Copy the child’s scores to the Information Summary page
  - Interpret results and determine follow-up
Step 1: Try the items

• Parents complete the items of the questionnaire alone, or a professional can help guide the parent through completion if there are literacy or language learning problems
• Most parents can complete a questionnaire in 10–15 minutes
• Be sure the correct age interval is being used
Step 2: Score the questionnaire

- Professionals score the questionnaires with a simple 0, 5, and 10 point scoring system
- Scores from the 5 areas are transferred to the Information Summary page
- Scoring can be completed in 1–3 minutes
Step 3: Get the results

- Review child’s scores and compare to standardized cutoffs on Information Summary page
- Interpret results
- Determine follow-up actions, if needed
ASQ-3 Product Features
The ASQ-3 Age Intervals

21 Questionnaire intervals:

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

Corrected date of birth used for children born more than 3 weeks premature for up to 2 years of age

ASQ-3 Age Calculator (www.agesandstages.com/age-calculator/) helps select correct interval
Elements of ASQ-3: Areas & Questions

• 5 developmental areas (Communication, Gross Motor, Fine Motor, Problem Solving, Personal-Social)
• 6 questions in each area
• Questions are in hierarchical order
• Questions #5 and #6 are average skills for children of that age interval
  - i.e., a 12-month skill for a 12-month child, not a 16-month skill for a 12-month-old
• Response options: Yes, Sometimes, Not Yet
• Written at 4th- to 5th-grade reading level
Sample 16 Month—cover sheet
Sample 16 Month—two areas

<table>
<thead>
<tr>
<th>COMMUNICATION</th>
<th>YES</th>
<th>SOMETIMES</th>
<th>NOT YET</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Does your child point, pat, or try to pick up pictures in a book?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Does your child say four or more words in addition to &quot;Mama&quot; and &quot;Dada&quot;?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. When your child wants something, does she tell you by pointing to it?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. When you ask your child to do something, does he go into another room to find a similar toy or object? Does he say &quot;Bring me my toy,&quot; &quot;Go get your blanket,&quot; or &quot;I want more toy?&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Does your child imitate a two-word sentence? For example, when you say a two-word phrase, such as &quot;Mama eat,&quot; &quot;Daddy play,&quot; &quot;Go home,&quot; or &quot;What's this?&quot; does your child say both words back to you? (Mark &quot;yes&quot; even if her words are difficult to understand.)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Does your child say eight or more words in addition to &quot;Mama&quot; and &quot;Dada&quot;?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GROSS MOTOR</th>
<th>YES</th>
<th>SOMETIMES</th>
<th>NOT YET</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Does your child stand up in the middle of the floor by himself and take several steps forward?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Does your child climb onto furniture or other large objects, such as large climbing bloos?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Does your child bend over or squat to pick up an object from the floor and then stand up again without any support?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Elements of ASQ-3: Overall Section

• This is an un-scored section

• Looks at quality of skills (e.g., speech)
  - Example: “Does your baby use both hands equally well?”
    - “No” response indicates possible cerebral palsy. Important to follow up.
  - Example: “Concerns about vision?”
    - “Yes” response could mean a possible vision problem. Important to follow up.

• Parent concerns are very predictive

• Any concerns or questionable responses require follow-up
Sample 16 Month—overall section
Elements of ASQ-3: Information Summary

- Each ASQ-3 interval has its own unique summary sheet
- “Window of administration” at the top
- Each summary sheet has the following sections:
  - Child/family information
  - Bar graph with cutoffs and total scores
  - Section for recording Overall responses
  - Section for noting follow-up action to be taken
  - Optional section: Individual item responses (records the responses for all items in one small box, eliminating need to look back at the pages of the questionnaire for answers to individual items)
Sample 16 Month—Information Summary

### ASQ3 16 Month ASQ-3 Information Summary

<table>
<thead>
<tr>
<th>Area</th>
<th>Total Score</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>18.81</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gross Motor</td>
<td>27.91</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Motor</td>
<td>31.98</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Problem Solving</td>
<td>20.55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Personal Social</td>
<td>38.43</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. **Score and Transfer Totals to Chart Below:** See ASQ-3 User’s Guide for details, including how to adjust scores if some responses are missing. Score each line (YES = 10, SOMETIMES = 5, NO = 0). Add some scores, and record each area total. In the chart below, transfer the total scores, and fill in the circles corresponding with the total scores.


<table>
<thead>
<tr>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

3. **ASQ Score Interpretation and Recommendation for Follow-Up:** You must consider total area scores, overall responses, and other considerations, such as opportunities to practice skills, to determine appropriate follow-up.

<table>
<thead>
<tr>
<th>Area</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td></td>
</tr>
<tr>
<td>Gross Motor</td>
<td></td>
</tr>
<tr>
<td>Fine Motor</td>
<td></td>
</tr>
<tr>
<td>Problem Solving</td>
<td></td>
</tr>
<tr>
<td>Personal Social</td>
<td></td>
</tr>
</tbody>
</table>

4. **Follow-up Action Taken:** Check all that apply.

5. **Optional:** Transfer item responses

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Scoring ASQ-3

- Yes = 10 points, Sometimes = 5 points, Not Yet = 0 points
- Transfer scores to Information Summary page
- Compare child’s score in each area to cutoff score; cutoff scores based on empirical research
  - Scores falling in the white area indicate the child is developing typically
  - Scores falling in the gray area mean the child should be monitored and another screening may be desirable in a few months (1-2 SD below the mean)
  - Scores falling in the black area mean the child may be at risk for developmental delays and should be referred for further assessment (2 SD below the mean)

### Scores

<table>
<thead>
<tr>
<th>Area</th>
<th>Cutoff</th>
<th>Total Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication</td>
<td>22.77</td>
<td><img src="image" alt="Score Chart" /></td>
</tr>
<tr>
<td>Gross Motor</td>
<td>44.84</td>
<td><img src="image" alt="Score Chart" /></td>
</tr>
<tr>
<td>Fine Motor</td>
<td>30.16</td>
<td><img src="image" alt="Score Chart" /></td>
</tr>
<tr>
<td>Problem Solving</td>
<td>24.62</td>
<td><img src="image" alt="Score Chart" /></td>
</tr>
<tr>
<td>Personal-Social</td>
<td>33.71</td>
<td><img src="image" alt="Score Chart" /></td>
</tr>
</tbody>
</table>
Validity and Reliability

• New standardization – based on 18,572 questionnaires for 15,138 children (an exceptionally large standardization sample)

• The sample mirrors the demographic mix of the U.S. population and includes underserved populations and children of all socioeconomic statuses

• The strong technical data improved even further with 3rd edition
  – Reliability
    • Test-retest: 0.92 (excellent)
    • Inter-rater: 0.93 (excellent)
  – Validity: 0.82 to 0.88 (excellent)
  – Sensitivity: 0.86 (excellent)
  – Specificity: 0.85 (excellent)

(Note the cutoffs generated from this standardization are working well in use of the ASQ-3 around the world.)
ASQ-3 and Children with Autism

- Children with autism were included in the normative sample
- ASQ-3 reliably picks up delays associated with autism and identifies children who should receive further evaluation
- Relevant items – Overall questions elicit parent concerns

Sample Overall questions:

Do you have any concerns about your child’s behavior? If yes, explain.

Does anything about your child worry you? If yes, explain.
ASQ-3 Product Family
ASQ®-3 Starter Kit

- Includes the
  - User’s Guide
  - Set of Questionnaires
  - Quick Start Guide

- With English Questionnaires
  US $295.00

- With Spanish Questionnaires
  US $295.00
ASQ®-3 User’s Guide

• Complete how-to instructions
• Strategies for a wide variety of settings and for working effectively with families
• Technical Report
• Intervention Activities

US $55.00
ASQ®-3 Questionnaires

- Sturdy, user-friendly box with handle
- Questionnaires on paper and CD-ROM in one convenient package
- Supplemental materials
  - Parent Conference Sheet
  - Child Monitoring Sheet
- Tabbed dividers

English—US $240.00
Spanish—US $240.00
Additional Translations

• Questionnaires on CD-ROM
• Supplemental materials
  – Parent Conference Sheet
  – Child Monitoring Sheet

Arabic       US $175.00  
Chinese      US $175.00  
French       US $175.00  
Vietnamese   US $175.00  

Want to inquire about translations or languages not listed? Visit [www.agesandstages.com/languages](http://www.agesandstages.com/languages) for more information.
ASQ®-3 Quick Start Guide

• 4-page laminated guide—durable, easy to use, quick to find
• Provides key, on-the-spot information
  – Selecting the correct questionnaire
  – Calculating age
  – Adjusting scores when item responses are missing
• Helps programs improve screening implementation
• Economical, sold in packages of 5

English  US $30.00
Spanish  US $30.00
French  US $30.00
ASQ®-3 Learning Activities

• More than 400 fun and effective activities to share with parents
• Includes CD-ROM with printable activities

English — US $49.95
Spanish — US $49.95
ASQ Training DVDs

**ASQ-3 Scoring and Referral**

$49.95  |  2009  |  25 minutes

**The Ages & Stages Questionnaires® on a Home Visit**

$49.95  |  2007  |  20 minutes
ASQ®-3 Materials Kit

• Convenient access to items needed for ASQ-3 screenings
• Includes sturdy totebag and instruction booklet
• See list of included items at [www.agesandstages.com](http://www.agesandstages.com)

US $ 295.00
ASQ® Online

- Web-based management and questionnaire completion system; available 24/7
- Automated scoring for accuracy
- Efficient reporting to help analyze progress
- Sample letters for communication with parents
- Import/Export functionality
- API functionality to transfer ASQ data to another data management system
ASQ® Pro & ASQ® Enterprise

- ASQ Pro account for single-site programs
- ASQ Enterprise account for multi-site programs
- See videos and pricing at [www.agesandstages.com](http://www.agesandstages.com)
ASQ® Family Access

- Online completion for parents via a secure, customizable URL
- Mobile-optimized
- See videos and pricing at www.agesandstages.com
Brookes On Location Training

• On-site seminars from ASQ-3 experts
• Seminars for all levels of users
  – Introductory seminar
  – Comprehensive seminar
  – Training of Trainers seminar
  – Combo trainings for ASQ-3 and ASQ:SE-2 also available

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ASQ-3 & ASQ:SE-2 Training of Trainers Institute

- Held annually in large U.S. city centers
- 3-day training from ASQ-3 experts

Questions?

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