

An Introduction to ASQ-3™

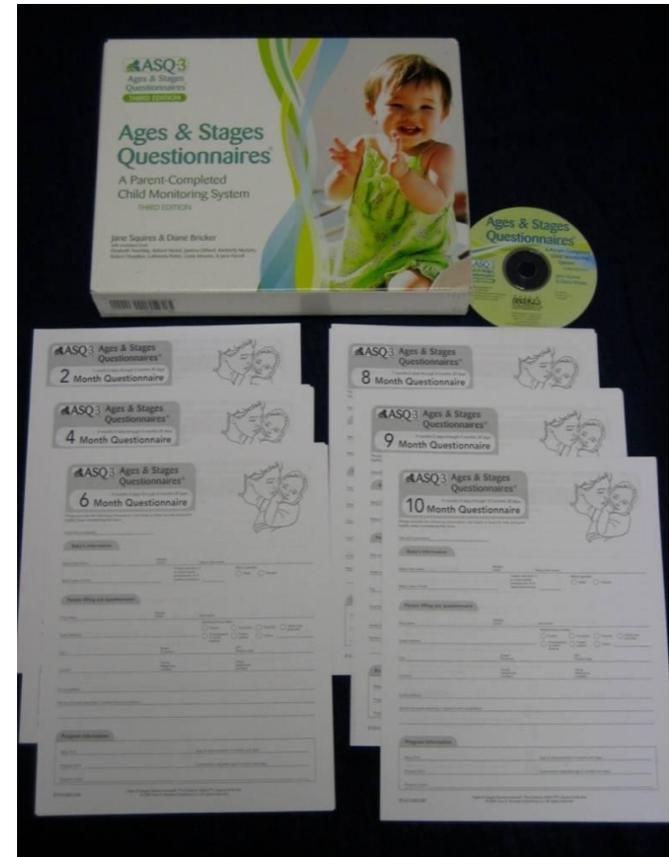


Why Screen?

- 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

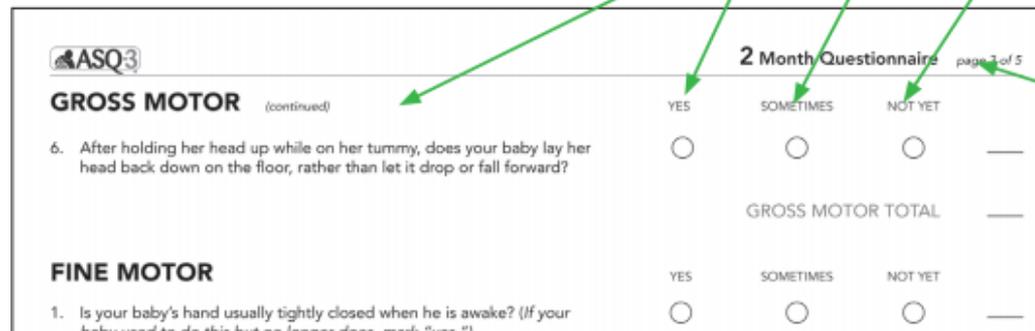
- Step 1: Try the items/Answer the questions
 - Parents can easily try activities with their child
 - 3 simple responses: *Yes, Sometimes, or Not Yet*
- Step 2: Score the questionnaire
 - Professionals score in just 2–3 minutes
- Step 3: Get the results
 - Copy the child's scores to the Information Summary 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 1: TRY THE ITEMS

Parents can easily try activities with their child . . .
 . . . and then check the box that best describes
 what the child can do.



ASQ-3 2 Month Questionnaire page 3 of 5

GROSS MOTOR (continued)

6. After holding her head up while on her tummy, does your baby lay her head back down on the floor, rather than let it drop or fall forward?

YES SOMETIMES NOT YET —

GROSS MOTOR TOTAL —

FINE MOTOR

1. Is your baby's hand usually tightly closed when he is awake? (If your baby used to do this but no longer does, mark "use").

YES SOMETIMES NOT YET —

**NEW 2- AND
 9-MONTH
 QUESTIONNAIRES!**

Now choose from
 21 questionnaires to
 screen children from
 1–66 months.

NEW

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

REFINED BASED ON
USER FEEDBACK

Clear questions, illustrations, and tips help parents complete the questionnaires quickly and accurately.

FINE MOTOR

1. Is your baby's hand usually tightly closed when he is awake? (If your baby used to do this but no longer does, mark "yes.")
2. Does your baby grasp your finger if you touch the palm of her hand?
3. When you put a toy in his hand, does your baby hold it in his hand briefly?
4. Does your baby touch her face with her hands?
5. Does your baby hold his hands open or partly open (rather than in fists, as they were when he was a newborn)? 
6. Does your baby grab or scratch at her clothes?

	YES	SOMETIMES	NOT YET	
1.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—
2.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—
3.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—
4.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—
5.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—*
6.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—

FINE MOTOR TOTAL

*If Fine Motor item 5 is marked "yes," mark Fine Motor item 1 as "yes."

STEP 2: SCORE

Professionals score in just 2–3 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

STEP 3: GET THE RESULTS

Copy the child's scores to the grid.

One or more scores in the dark shaded zone indicates the child may need further assessment.

Scores outside the shaded zone mean the child is doing well in these areas.

NEW MONITORING ZONE IN ASQ-3!

When scores fall in the light shaded zone, schedule the next screening and provide learning activities.

NEW

Area	Cutoff	Total Score	0	5	10	15	20	25	30	35	40	45	50	55	60
Communication	22.77		●	●	●	●	●	●	●	●	●	●	○	○	○
Gross Motor	44.84		●	●	●	●	●	●	●	●	●	●	●	●	●
Fine Motor	30.16		●	●	●	●	●	●	●	●	●	●	●	●	●
Problem Solving	24.62		●	●	●	●	●	●	●	●	●	●	●	●	●
Personal Social	33.71		●	●	●	●	●	●	●	●	●	●	●	●	●



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



ASQ³ Ages & Stages Questionnaires[®]

15 months 0 days through 16 months 30 days

16 Month Questionnaire



Please provide the following information. Use black or blue ink only and print legibly when completing this form.

Date ASQ completed: 9/20/2008

Child's information

Child's first name: Annie Middle initial: M. Child's last name: Roberts

Child's date of birth: 5/5/2007 If child was born 3 or more weeks prematurely, # of weeks premature: _____ Child's gender: Male Female

Person filling out questionnaire

First name: Jennifer Middle initial: M. Last name: Roberts

Street address: 33 Main Street Relationship to child: Parent Guardian Teacher Child care provider

City: Jonestown State/Province: IN ZIP/Postal code: 61924

Country: USA Home telephone number: 219-888-0021 Other telephone number: 219-912-2100

E-mail address: jennifer_roberts@email.com

Names of people assisting in questionnaire completion: _____

Program Information

Child ID #: 36759111023412358 Age at administration in months and days: 16 months, 15 days

Program ID #: 6222001439183664 If premature, adjusted age in months and days: _____

Program name: Jonestown Child Care Center

ASQ³ 69300 Ages & Stages Questionnaires[®], Third Edition (ASQ-3[™]), Squires & Bricker

Sample 16 Month—two areas



16 Month Questionnaire

15 months 0 days
through 16 months 30 days

On the following pages are questions about activities babies may do. Your baby may have already done some of the activities described here, and there may be some your baby has not begun doing yet. For each item, please fill in the circle that indicates whether your baby is doing the activity regularly, sometimes, or not yet.

Important Points to Remember:

- Try each activity with your baby before marking a response.
- Make completing this questionnaire a game that is fun for you and your child.
- Make sure your child is rested and fed.
- Please return this questionnaire by _____.

Notes:

At this age, many toddlers may not be cooperative when asked to do things. You may need to try the following activities with your child more than one time. If possible, try the activities when your child is cooperative. If your child can do the activity but refuses, mark "yes" for the item.

	YES	SOMETIMES	NOT YET	
COMMUNICATION				
1. Does your child point to, pat, or try to pick up pictures in a book?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<u>10</u>
2. Does your child say four or more words in addition to "Mama" and "Dada"?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<u>10</u>
3. When your child wants something, does she tell you by pointing to it?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<u>10</u>
4. When you ask your child to, does he go into another room to find a familiar toy or object? (You might ask, "Where is your ball?" or say, "Bring me your coat," or "Go get your blanket.")	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<u>10</u>
5. Does your child imitate a two-word sentence? For example, when you say a two-word phrase, such as "Mama eat," "Daddy play," "Go home," or "What's this?" does your child say both words back to you? (Mark "yes" even if her words are difficult to understand.)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<u>10</u>
6. Does your child say eight or more words in addition to "Mama" and "Dada"?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<u>5</u>
			COMMUNICATION TOTAL	<u>55</u>
GROSS MOTOR				
1. Does your child stand up in the middle of the floor by himself and take several steps forward?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<u>10</u>
2. Does your child climb onto furniture or other large objects, such as large climbing blocks?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<u>5</u>
3. Does your child bend over or squat to pick up an object from the floor and then stand up again without any support?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<u>10</u>

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Ages & Stages Questionnaires®, Third Edition (ASQ-3™), Squires & Bricker
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page 2 of 6

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

 **16 Month Questionnaire** page 5 of 6

OVERALL (continued)

2. Do you think your child talks like other toddlers his age? If no, explain: YES NO

3. Can you understand most of what your child says? If no, explain: YES NO

4. Do you think your child walks, runs, and climbs like other toddlers her age? If no, explain: YES NO

5. Does either parent have a family history of childhood deafness or hearing impairment? If yes, explain: YES NO

6. Do you have concerns about your child's vision? If yes, explain: YES NO

7. Has your child had any medical problems in the last several months? If yes, explain: YES NO

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 Q—Information Summary



16 Month ASQ-3 Information Summary

15 months 0 days through
16 months 30 days

Child's name: Annie M. Roberts Date ASQ completed: 9/20/2008

Child's ID #: 36359111023412358 Date of birth: 5/5/2007

Administering program/provider: Jonestown Child Care Center Was age adjusted for prematurity when selecting questionnaire? Yes No

1. SCORE AND TRANSFER TOTALS TO CHART BELOW: See ASQ-3 User's Guide for details, including how to adjust scores if item responses are missing. Score each item (YES = 10, SOMETIMES = 5, NOT YET = 0). Add item scores, and record each area total. In the chart below, transfer the total scores, and fill in the circles corresponding with the total scores.

Area	Cutoff	Total Score	0	5	10	15	20	25	30	35	40	45	50	55	60
Communication	16.81	55	●	●	●	●	●	●	●	●	●	●	●	●	●
Gross Motor	37.91	40	●	●	●	●	●	●	●	●	●	●	●	●	●
Fine Motor	31.98	40	●	●	●	●	●	●	●	●	●	●	●	●	●
Problem Solving	30.51	45	●	●	●	●	●	●	●	●	●	●	●	●	●
Personal-Social	26.43	50	●	●	●	●	●	●	●	●	●	●	●	●	●

2. TRANSFER OVERALL RESPONSES: Bolded uppercase responses require follow-up. See ASQ-3 User's Guide, Chapter 6.

1. Hears well? YES NO
Comments:

2. Talks like other toddlers his age? YES NO
Comments:

3. Understand most of what your child says? YES NO
Comments:

4. Walks, runs, and climbs like other toddlers? YES NO
Comments:

5. Family history of hearing impairment? YES NO
Comments:

6. Concerns about vision? YES NO
Comments:

7. Any medical problems? YES NO
Comments:

8. Concerns about behavior? YES NO
Comments:

9. Other concerns? YES NO
Comments:

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.

If the child's total score is in the area, it is above the cutoff, and the child's development appears to be on schedule.

If the child's total score is in the area, it is close to the cutoff. Provide learning activities and monitor.

If the child's total score is in the area, it is below the cutoff. Further assessment with a professional may be needed.

4. FOLLOW-UP ACTION TAKEN: Check all that apply.

Provide activities and rescreen in _____ months.

Share results with primary health care provider.

Refer for (circle all that apply) hearing, vision, and/or behavioral screening.

Refer to primary health care provider or other community agency (specify reason): _____

Refer to early intervention/early childhood special education.

No further action taken at this time

Other (specify): _____

5. OPTIONAL: Transfer item responses (Y = YES, S = SOMETIMES, N = NOT YET, X = response missing).

	1	2	3	4	5	6
Communication	Y	Y	Y	Y	Y	S
Gross Motor	Y	S	Y	Y	S	N
Fine Motor	S	Y	Y	Y	S	N
Problem Solving	S	S	Y	Y	S	Y
Personal-Social	Y	Y	N	Y	Y	Y

Agnes & Stages Questionnaires®, Third Edition (ASQ-3™), Squires & Bricker

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 mean)

Area	Cutoff	Total Score	0	5	10	15	20	25	30	35	40	45	50	55	60
Communication	22.77		●	●	●	●	●	●	●	●	○	○	○	○	○
Gross Motor	44.84		●	●	●	●	●	●	●	●	●	●	○	○	○
Fine Motor	30.16		●	●	●	●	●	●	●	●	○	○	○	○	○
Problem Solving	24.62		●	●	●	●	●	●	●	●	○	○	○	○	○
Personal-Social	33.71		●	●	●	●	●	●	●	●	○	○	○	○	○

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:

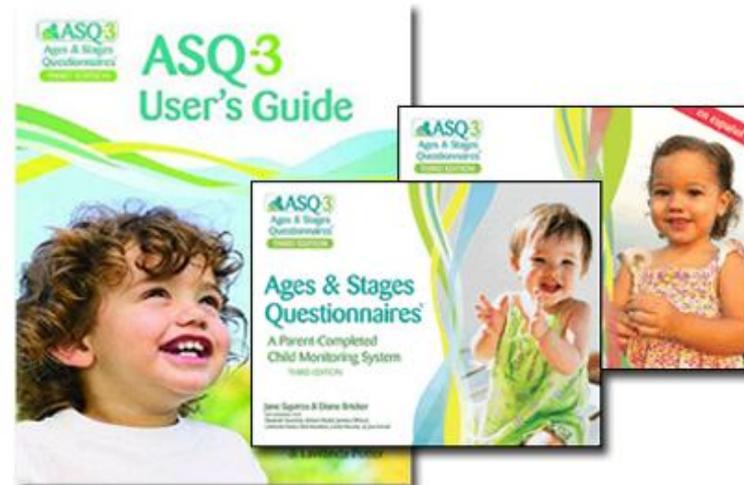
Do you have any concerns about your child's behavior?
If yes, explain.

Does anything about your child worry you? If yes, explain.

ASQ-3™ Starter Kit

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

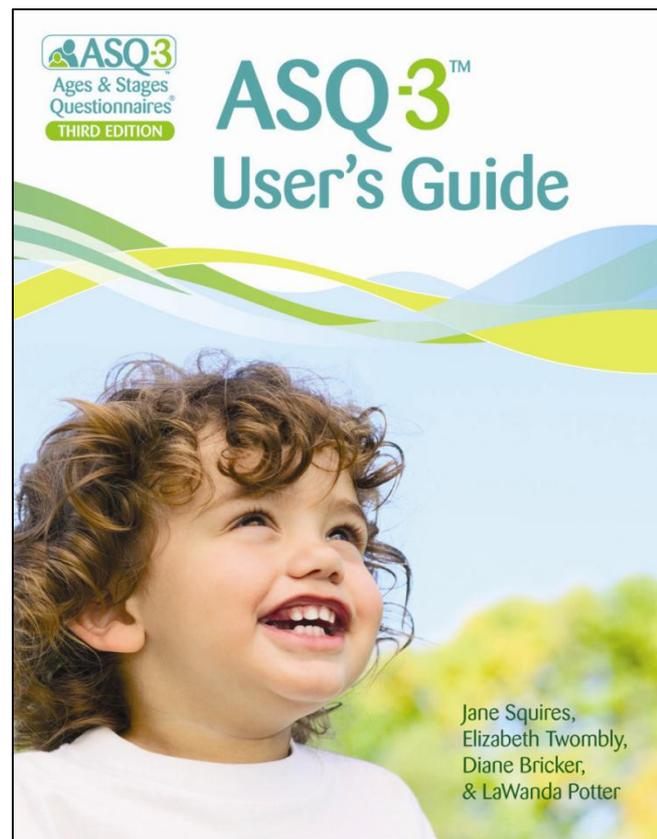
- With English Questionnaires
US \$275.00
- With Spanish Questionnaires
US \$275.00



ASQ-3™ User's Guide

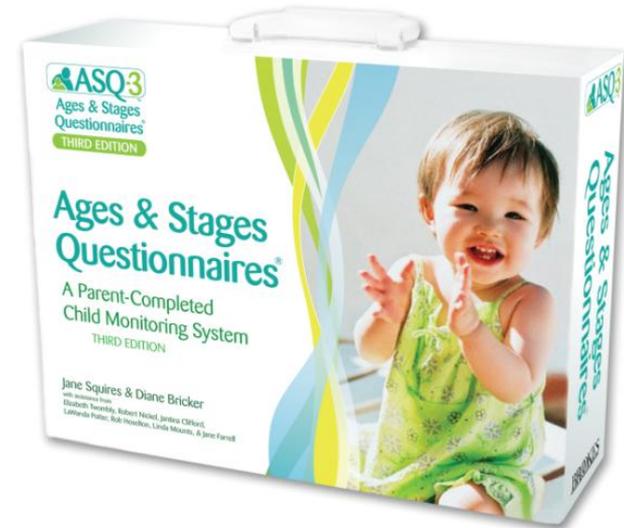
- Complete how-to instructions
- Strategies for a wide variety of settings and for working effectively with families
- Technical Report
- Intervention Activities

US \$50.00



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 \$225.00**

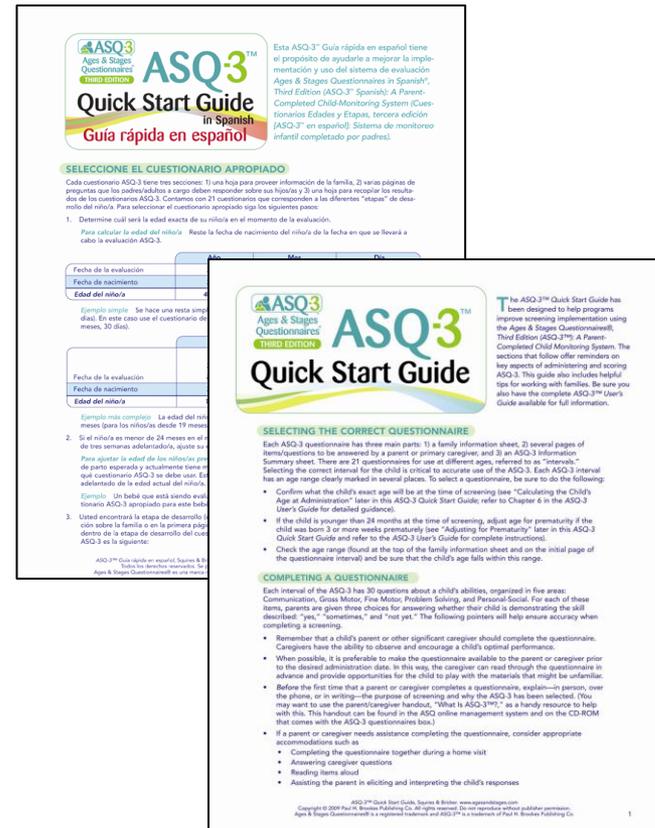
Spanish—**US \$225.00**

ASQ-3™ Quick Start Guide

- 4-page laminated guide – durable, easy to use, quick to find
- Developed in response to user feedback
- 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 package of 5

English **US \$24.95**

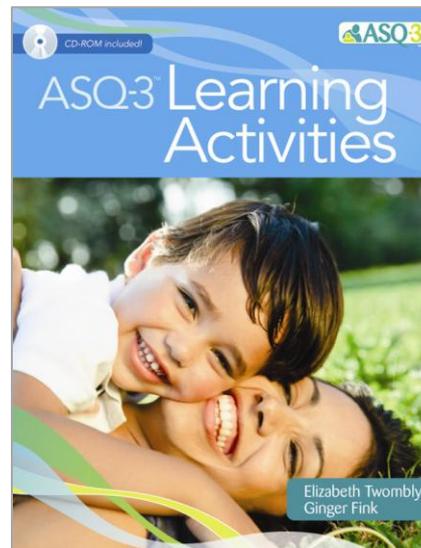
Spanish **US \$24.95**



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



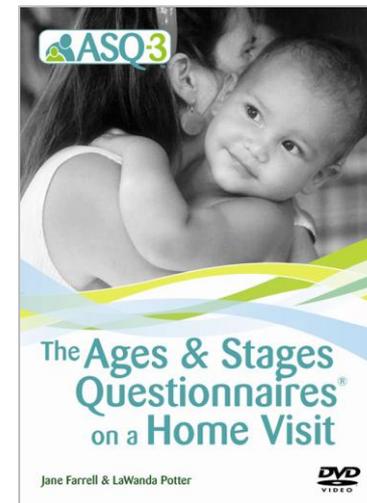
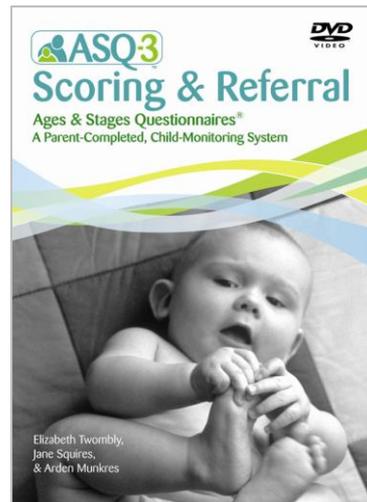
ASQ Training DVDs

ASQ-3™ Scoring and Referral

\$49.95 | 2009 | 25 minutes

The Ages & Stages Questionnaires® on a Home Visit

\$49.95 | 2007 | 20 minutes

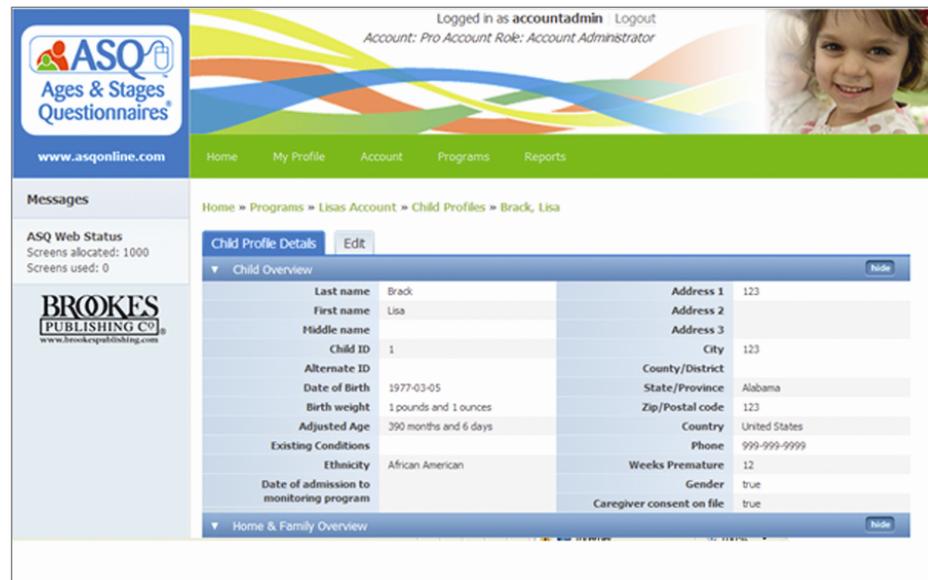


ASQ Online

- Web-based management and questionnaire completion system; available 24/7
- Automates scoring for accuracy and time savings
- Easy reporting; numerous built-in reports
- Sample letters, forms, and other templates that are easily customizable
- Import/Export functionality
- API functionality to transfer ASQ data to another data management system

ASQ Pro & ASQ Enterprise

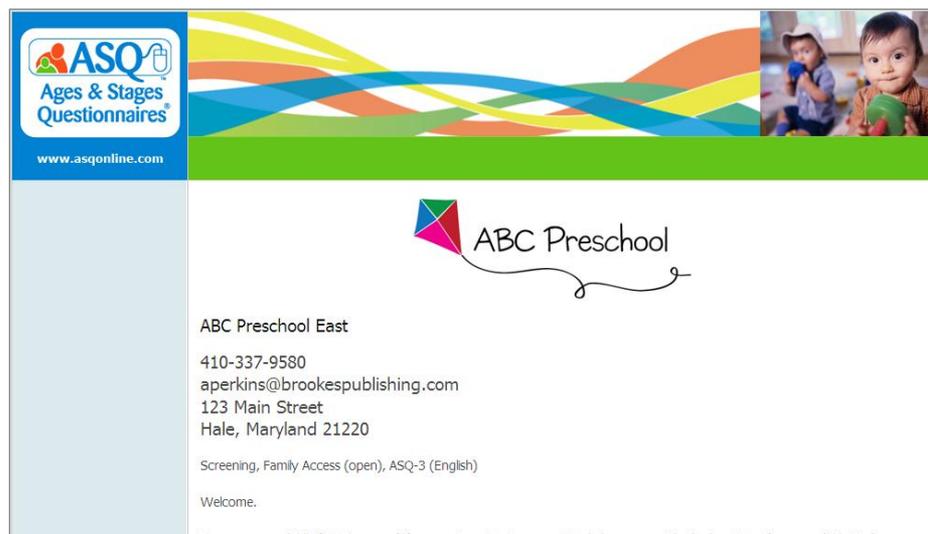
- Sold as a subscription product with annual renewals and quarterly charges for screens used
- ASQ Pro account for single-site programs
- ASQ Enterprise account for multi-site programs
- See videos and pricing at www.agesandstages.com

The screenshot shows the ASQ Pro web interface. At the top, it says "Logged in as accountadmin Logout" and "Account: Pro Account Role: Account Administrator". The navigation menu includes Home, My Profile, Account, Programs, and Reports. The main content area displays "Child Profile Details" for a child named Lisa Brack. The profile includes fields for Last name, First name, Middle name, Child ID, Alternate ID, Date of Birth, Birth weight, Adjusted Age, Existing Conditions, Ethnicity, Date of admission to monitoring program, Address 1, Address 2, Address 3, City, County/District, State/Province, Zip/Postal code, Country, Phone, Weeks Premature, Gender, and Caregiver consent on file. The interface also shows a "Messages" section and "ASQ Web Status" information.

Child Profile Details		Edit	
Child Overview			
Last name	Brack	Address 1	123
First name	Lisa	Address 2	
Middle name		Address 3	
Child ID	1	City	123
Alternate ID		County/District	
Date of Birth	1977-03-05	State/Province	Alabama
Birth weight	1 pounds and 1 ounces	Zip/Postal code	123
Adjusted Age	390 months and 6 days	Country	United States
Existing Conditions		Phone	999-999-9999
Ethnicity	African American	Weeks Premature	12
Date of admission to monitoring program		Gender	true
		Caregiver consent on file	true

ASQ Family Access

- Online completion for parents via a secure, customizable URL
- Add-on subscription to ASQ Pro or ASQ Enterprise
- 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 Training seminar
 - Combo trainings for ASQ-3™ and ASQ:SE also available

Visit www.brookesonlocation.com to learn more

Questions?

Visit <http://agesandstages.com/contact-us/>
to contact your sales representative.