

# An Introduction to ASQ®-3

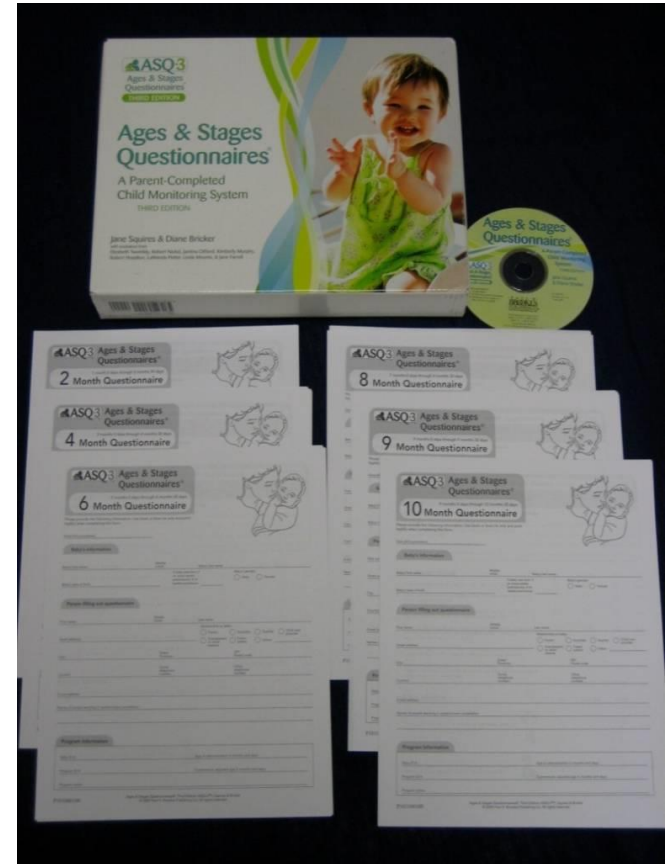


# Why Screen?

- 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

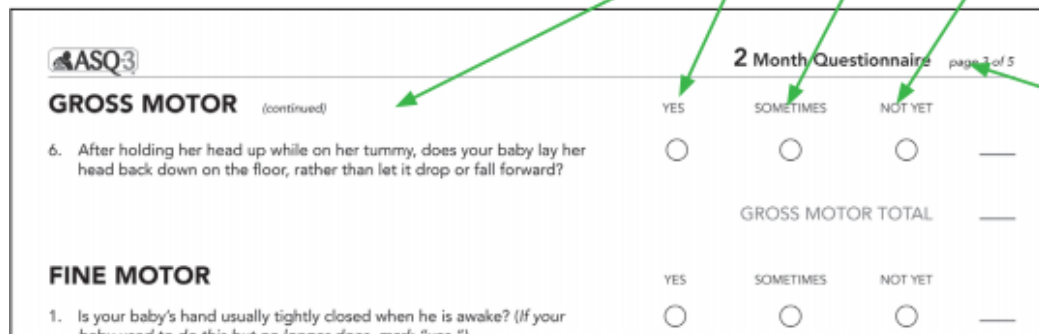
- Step 1: Try the items/Answer the questions
  - Parents can easily try activities with their child
  - 3 simple responses: *Yes, Sometimes, or Not Yet*
- Step 2: Score the questionnaire
  - Professionals score in just 2–3 minutes
- Step 3: Get the results
  - Copy the child's scores to the Information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

**GROSS MOTOR**

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

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	—
<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/](http://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 4<sup>th</sup>- to 5<sup>th</sup>-grade reading level

# Sample 16 Month—cover sheet


**Ages & Stages  
Questionnaires®**  
**16 Month Questionnaire**  
15 months 0 days through 16 months 30 days



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

Date ASQ completed: \_\_\_\_\_

**Child's information**

Child's first name: \_\_\_\_\_ Middle initial: \_\_\_\_\_ Child's last name: \_\_\_\_\_

Child's date of birth: \_\_\_\_\_

if child was born 3 or more weeks prematurely, # of weeks premature: \_\_\_\_\_

Child's gender: ☐ Male ☐ Female

**Person filling out questionnaire**

First name: \_\_\_\_\_ Middle initial: \_\_\_\_\_ Last name: \_\_\_\_\_

Relationship to child:  
☐ Parent ☐ Guardian ☐ Teacher ☐ Child care provider  
☐ Grandparent or other relative ☐ Foster parent ☐ Other: \_\_\_\_\_

Street address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ ZIP/Postal code: \_\_\_\_\_

Country: \_\_\_\_\_ Home telephone number: \_\_\_\_\_ Other telephone number: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Names of people assisting in questionnaire completion: \_\_\_\_\_

**Program Information**

Child ID #: \_\_\_\_\_ Age at administration in months and days: \_\_\_\_\_

Program ID #: \_\_\_\_\_ If premature, adjusted age in months and days: \_\_\_\_\_


Program name: \_\_\_\_\_

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# 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:**

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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.

**COMMUNICATION**

	YES	SOMETIMES	NOT YET	
1. Does your child point to, pat, or try to pick up pictures in a book?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	___
2. Does your child say four or more words in addition to "Mama" and "Dada"?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	___
3. When your child wants something, does she tell you by <i>pointing</i> to it?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	___
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 type="radio"/>	<input type="radio"/>	<input type="radio"/>	___
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 type="radio"/>	<input type="radio"/>	<input type="radio"/>	___
6. Does your child say eight or more words in addition to "Mama" and "Dada"?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	___
<b>COMMUNICATION TOTAL</b>				___

**GROSS MOTOR**

	YES	SOMETIMES	NOT YET	
1. Does your child stand up in the middle of the floor by himself and take several steps forward?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	___
2. Does your child climb onto furniture or other large objects, such as large climbing blocks?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	___
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 type="radio"/>	<input type="radio"/>	<input type="radio"/>	___

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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


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# 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



**16 Month ASQ-3 Information Summary**
15 months 0 days through  
16 months 30 days

Child's name: \_\_\_\_\_

Date ASQ completed: \_\_\_\_\_

Child's ID #: \_\_\_\_\_

Date of birth: \_\_\_\_\_

Administering program/provider: \_\_\_\_\_

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														
Gross Motor	37.91														
Fine Motor	31.98														
Problem Solving	30.51														
Personal-Social	26.43														

**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						
Gross Motor						
Fine Motor						
Problem Solving						
Personal-Social						

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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 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 3<sup>rd</sup> 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

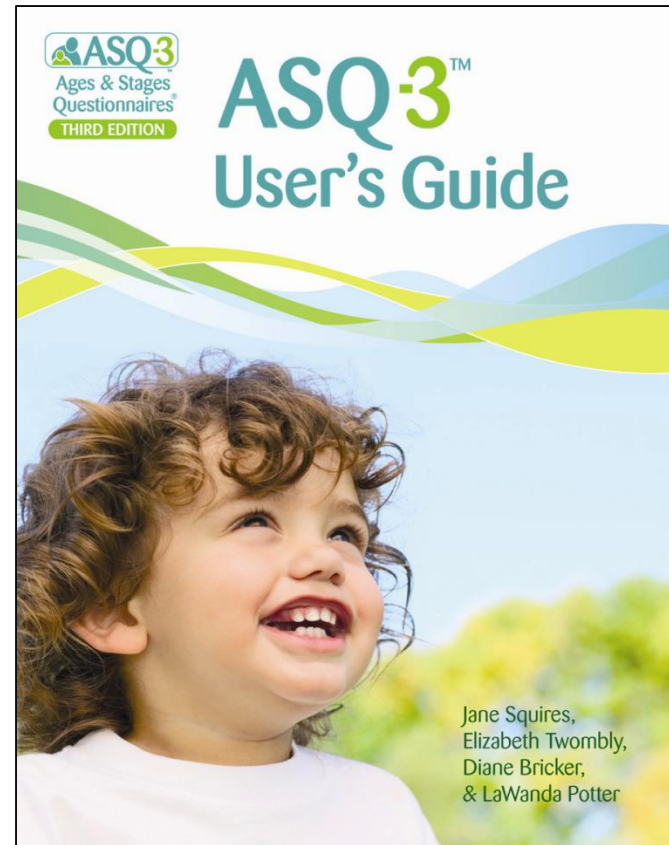
- Includes the
  - User's Guide
  - Set of Questionnaires
  - Quick Start Guide
- With English Questionnaires  
**US \$295.00**
- With Spanish Questionnaires  
**US \$295.00**



# 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**

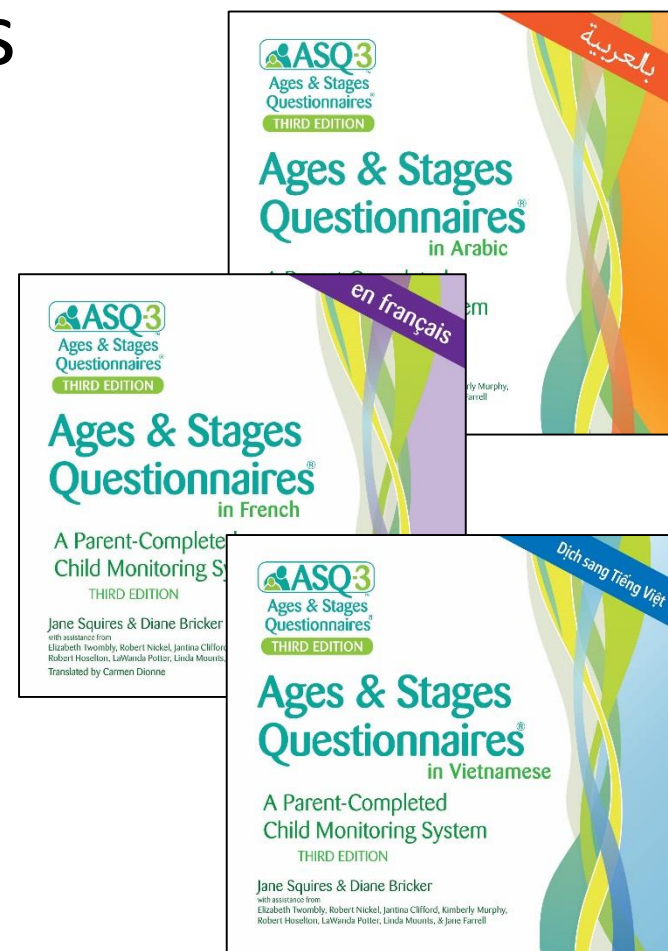
Spanish—**US \$240.00**



# Additional Translations

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

Arabic	<b>US \$175.00</b>
Chinese	<b>US \$175.00</b>
French	<b>US \$175.00</b>
Vietnamese	<b>US \$175.00</b>

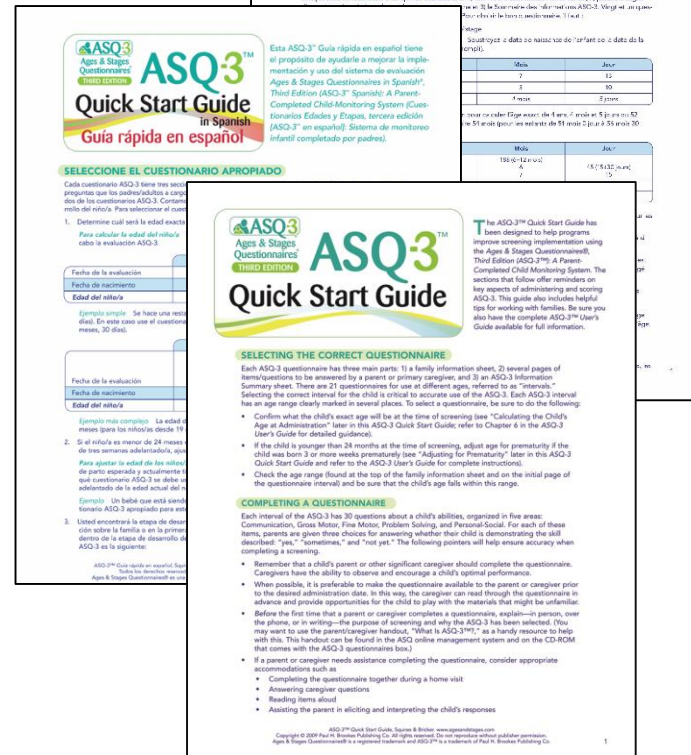
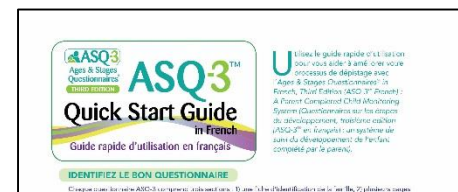


Want to inquire about translations or languages not listed?  
Visit [www.agesandstages.com/languages](http://www.agesandstages.com/languages) for more information.

# 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**

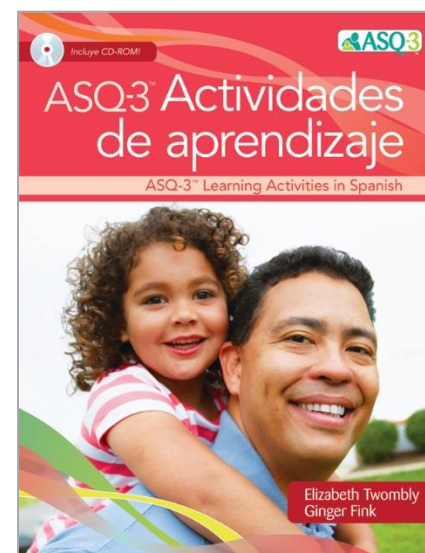
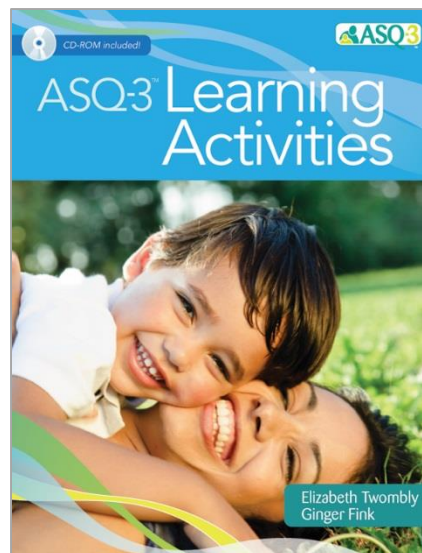


# ASQ<sup>®</sup>-3 Learning Activities

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

English — **US \$49.95**

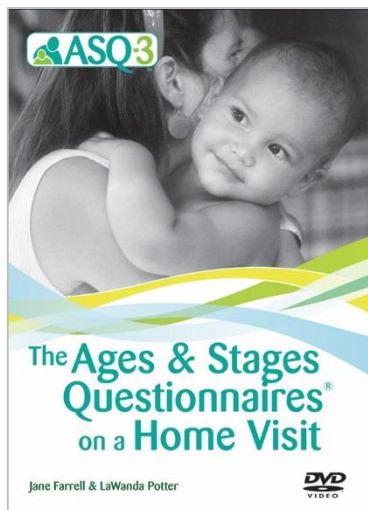
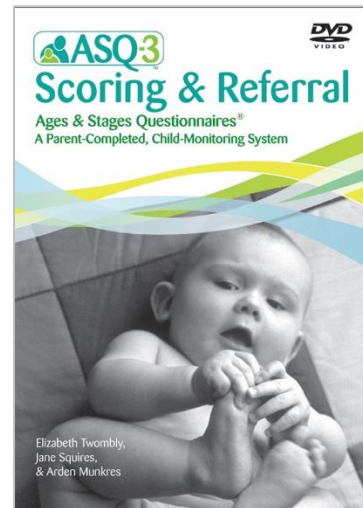
Spanish — **US \$49.95**



# 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<sup>®</sup>-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)



The screenshot displays the ASQ Pro web interface. At the top, it shows the user is logged in as 'accountadmin' with a 'Logout' link. Below this, the account type is 'Pro Account' and the role is 'Account Administrator'. The ASQ logo and 'Ages & Stages Questionnaires' text are visible on the left. The main navigation bar includes links for Home, My Profile, Account, Programs, and Reports. The left sidebar contains a 'Messages' section, 'ASQ Web Status' (Screens allocated: 1000, Screens used: 0), and the 'BROOKES PUBLISHING CO.' logo. The main content area shows a breadcrumb trail: Home » Programs » Lias Account » Child Profiles » Brack, Lisa. Below this, there are tabs for 'Child Profile Details' and 'Edit'. The 'Child Profile Details' tab is active, showing a 'Child Overview' section with a table of personal and demographic information. A 'hide' button is located at the end of the table header. The table contains the following data:

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

Below the table, there is a 'Home & Family Overview' section with a 'hide' button.

# ASQ® Family Access

- Online completion for parents via a secure, customizable URL
- Mobile-optimized
- See videos and pricing at [www.agesandstages.com](http://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

Visit [www.brookespublishing.com](http://www.brookespublishing.com) to learn more.

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

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

Visit <http://bit.ly/ASQTOTInstitute> to learn more.

# Questions?

Visit [www.agesandstages.com/contact-us](http://www.agesandstages.com/contact-us)  
to contact your sales representative.

# Learn more about ASQ-3

ASQ Resource Library

<http://bit.ly/asq3resources>

ASQ Knowledge Base

<http://bit.ly/ASQKnowledgeBase>

Videos and Webinars

<http://bit.ly/asqvideos>