



The Effect of an Informational Training Video on Parental Changes in Scoring of the ASQ-3

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Introduction

- Research indicates that parents often raise concerns regarding their child’s development prior to physician recognition of the problem¹
- Parent-reported screening tools can bridge the communication gap between health professionals and parents
- Parental scoring did not significantly correlate with healthcare professionals²
- This discrepancy may stem from training on scoring and administration of the screening tool

Objective

- This study investigated the effect of an informational training video (ITV) on changing parental scoring of the Ages and Stages Questionnaire, 3rd edition (ASQ-3)



Outcome Measure: ASQ-3

- Standardized developmental screening tool used to test children aged 1-66 months via 21 questionnaires. Test items are organized into five developmental domains
- Selected for extensive psychometric properties³
- Utilized the 36-month, 42-month, 48-month, 54-month and 60-month ASQ-3 Questionnaires.
- Converted questionnaires into Google Forms for easy administration

Participants

- 13 parents of preschool-aged children recruited from Lasting Impressions Child care Center in St.Paul, MN and through social media posts on Facebook and Instagram
- Children ranged from age 34 months, 16 days to 66 months

Methods

- After parents indicated interest in participation, an email allowed them to access the first Google form comprised of consent, demographic information, and the age appropriate ASQ-3
- Two weeks after first submission, participants received a second email with instructions to watch the six-minute ITV and fill out the second ASQ-3
- The ITV included a brief overview of domains and instruction of item administration and scoring

| Developmental Domains | Number | Standardized Test Statistic | Significance |
|-----------------------|--------|-----------------------------|--------------|
| Communication | 13 | 2.71 | .007* |
| Gross Motor | 13 | 2.65 | .008* |
| Fine Motor | 13 | 3.00 | .003* |
| Personal Social | 13 | 2.81 | .005* |
| Problem Solving | 10 | 2.45 | .014 |

* Denotes significance at p<.01

Results

- Data was analyzed using Wilcoxon Signed-Rank Test to determine a change in scoring after viewing the ITV
- Results demonstrated significance across four of five domains with Problem Solving the only non-significant domain, possibly due to collection error resulting in smaller N or parental influence



Conclusion

- Evidence suggests watching a training video on ASQ-3 administration changes parental scoring of their child’s performance on tested items
- Post-video training change in scores may demonstrate a change in parental knowledge of precision scoring

Clinical Relevance

- Using the ASQ-3 tool may augment parental contributions to the developmental surveillance and screening process
- This could impact not only the accuracy of scoring the ASQ – 3, but also on the physician’s willingness to incorporate parent feedback in decisions on referral to early intervention

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References

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ATTENTION PARENTS



Have you ever felt overlooked when it comes to explaining your child's development? We are a group of graduate students trying to help parents communicate with their doctors.

Less than **50%** of parents were asked about their child's development

At check-ups, parents may share concerns about their child; but, even when raising concerns, they may not be considered by the doctor. The gap in communication between parents and doctors may lead to missing some key details about your child's growth.

WE KNOW PARENTS KNOW

Parents often raise concerns prior to anyone else, in several cases, more than a year in advance! Sometimes no one finds the concerns until the child reaches kindergarten. Finding concerns is crucial to your child receiving the best possible care to help them grow.

The American Academy of Pediatrics recommends parents be included in the healthcare team to more effectively monitor children's growth. A screening tool will help parents assess their child in a way doctors trust.



WE THINK

An educational video will help parents in grading their child's development by using an online form. The form will be a good tool to close the communication gap between parents and doctors at check-ups.

Help us help you

We are looking to see if this short educational video will help you navigate the online tool. We believe that navigating this tool will help bridge the gap with your child's doctor.

We are looking to see if a video for parents will enhance communication about child development between parents and doctors at check-ups.

- ### IN 3 EASY STEPS
- ✓ Score your child's development using a quick online form
 - ✓ Watch a short educational video
 - ✓ Rescore your child's development

Attention Parents

Have you ever felt overlooked when it comes to explaining your child's development? We are a group of graduate students trying to help parents communicate with their doctors.

HELP US HELP YOU

IN 3 EASY STEPS

LINK IN BIO FOR MORE INFORMATION

Thank you