Q-CCIIT Professional Development Tools Project: Using Technology to Improve Infant/Toddler Care

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The Q-CCIIT Measure

• Focuses on caregiver-child interactions that support
  – Social-emotional development
  – Cognitive development
  – Language and literacy

• As well as areas of concern

• Multiple uses
  – Professional development
  – Research
  – Evaluation/accountability
Summary of findings from the field test

• Reliable measures can be obtained from Q-CCIIT in both center-based and family child care homes
• Q-CCIIT is sensitive to the differences in quality
• Validity of the Q-CCIIT was supported
  – Confirmatory factor analysis
  – IRT models
  – Convergent validity evidence
  – Discriminant validity evidence
• Across settings and age groups, we consistently observed greater support for social-emotional development than for language and cognitive development
PD Tools Project overview

- Create research-based PD resources and materials that align with the Q-CCIIT measure
- Design and conduct a field test to examine use of the PD tools
- Extend evaluations of the Q-CCIIT measure’s reliability and psychometrics
- Future: Design a large-scale implementation and evaluation study of the measure and PD tools
Q-CCIIT Professional Development Processes and Resources

Caregiver Characteristics
- Motivation
- Openness to new ideas/change
- Beliefs about caregiving
- Beliefs about child development
- Experience
- Education
- Mental health
- Learning preferences

PD Provider Characteristics
- Motivation
- Openness to new ideas/change
- Beliefs about caregiving
- Beliefs about child development
- Experience
- Education
- Relationship skills
- Active listening skills

Professional Development
- Goal setting
- Shared knowledge
- Action planning
- Active learning
- Self-reflection
- Practice and observation
- Problem solving

Sustained High-Quality Responsive Caregiving
- Positive relationships with children
- Support for Social-Emotional Development
- Support for Language and Literacy Development
- Support for Cognitive Development
- Increased knowledge of child development and quality caregiving
- Continuous improvement: Self-reflective problem solving
- Awareness of and access to resources

Improved Infant and Toddler Outcomes
- Emotional development and learning
- Social development and learning
- Cognitive development and learning
- Motor/Perceptual development and learning
- Language and literacy development and learning
- Approaches to learning
Q-CCIIT professional development process

Professional Development

Q-CCIIT Principles
- Sensitivity/responsiveness
- Support for social-emotional development
- Support for language and literacy
- Support for cognitive development

Goal-setting

Active Change
- Action Planning
- Shared Reflection and Feedback
- Self-Reflection
- Practice and Observation

Trusting relationship built on mutual respect
Key components of the Q-CCIIT PD tools

Q-CCIIT observational measure results

Q-CCIIT PD Tools Website

Caregiver Tools
- Presentations
- Videos
- Reflective exercises
- Classroom resources
- Discussion board

PD Provider Tools
- PD Provider’s Guide
- Training Modules
- Recorded Webinars
- Reflective exercises
- Discussion board

Caregiver

Trained PD Provider

Relationship
Focus of PD Provider training and tools

• Building a relationship with the caregiver
• Importance of frequent contact
• Instructions for using the online materials
• Selecting goals
• Creating a shared action plan
• Guiding the caregiver through self-reflection
• Modeling caregiver–child interactions
• Conducting a structured observation
• Providing performance feedback
• Encouraging involvement from the caregiving team and program administration
Example of a PD Tools welcome page
Proposed modules

- Supporting children’s language use
- Supporting children’s understanding of language
- Supporting children’s literacy
- Supporting social-emotional development: Regulation of behavior and emotions
- Supporting social-emotional development: Caregiver-child relationships
- Supporting social-emotional development: Peer relationships (infants)
- Supporting social-emotional development: Peer relationships (toddlers)
- Supporting cognitive development (infant)
- Supporting cognitive development (toddlers)
Example of “Supporting children’s language use”

- Responding to cues
- Using questions
- Conversational turn-taking
- Extending children’s language use
- Supporting children’s use of new words
Materials that a PD tools module might contain

• Interactive media presentations
• Step-by-step guidance
• Activities
• Reflective exercises and checklists
• Classroom supports
• Child progress tracking
• Videos
Video examples

- Mathematica has partnered with ZERO TO THREE to film and produce brief professional development video vignettes to capture key constructs illustrated in the Q-CCIIT.

- These videos, which feature caregivers in both center-based and family child care settings will be used to facilitate:
  - caregiver engagement
  - reflective practice
  - and changes in behavior that increase quality of child-caregiver interactions
PD Tools Project status

• Create research-based PD resources and materials that align with the Q-CCIIT measure

• Design and conduct a field test to examine use of the PD tools

• Extend evaluations of the Q-CCIIT measure’s reliability and psychometrics

• Future: Design a large-scale implementation and evaluation study of the measure and PD tools
For more information

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