

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



**Child Care and Early Education Policy Research
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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

- Q-CCIIT observations
- Trusting relationship between caregiver and TA provider
- Frequent feedback
- Affirmation of strengths
- Encouraging improvement
- Continued monitoring

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

- Interactive tools
- Presentations and video clips
- Guided exercises
- Reflective checklists
- Prompting resources for classroom
- Graphs tracking child progress
- Online community of practice

Caregiver Characteristics

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

Professional Development

PD Provider Characteristics

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

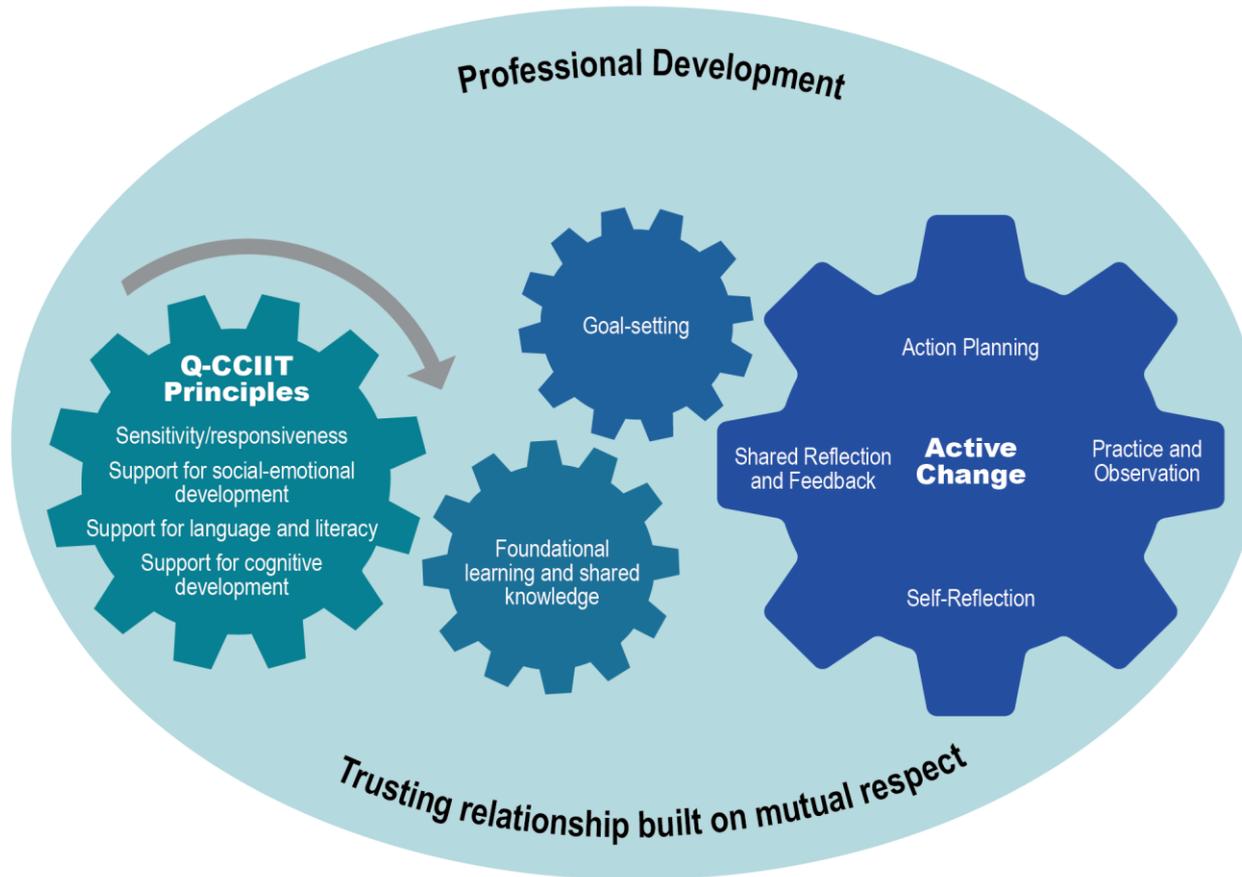
Sustained High-Quality Responsive Caregiving

- 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

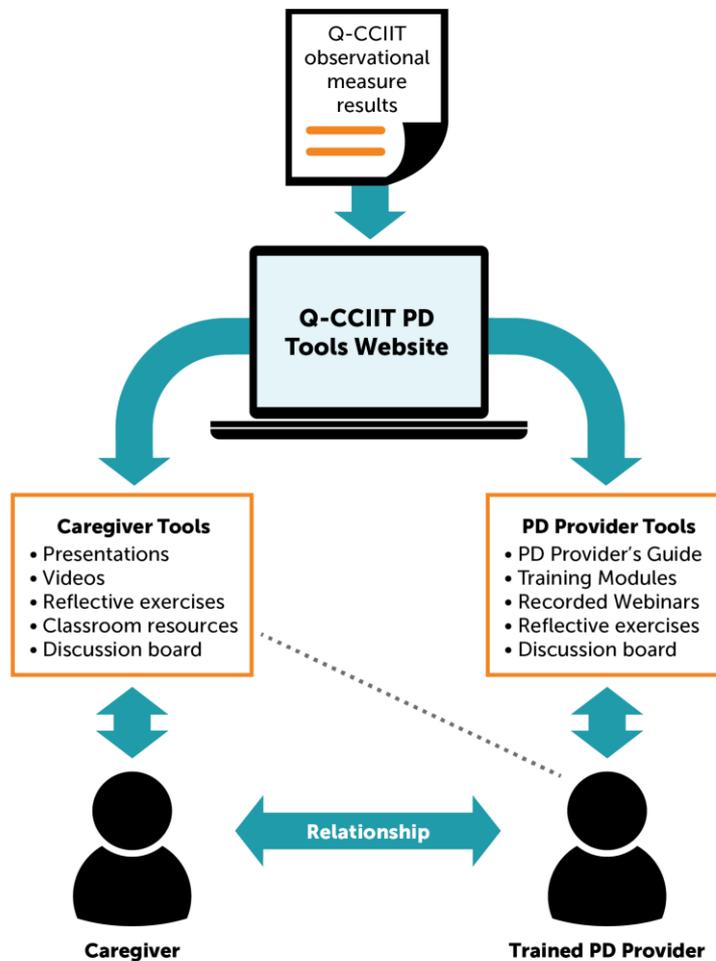
Improved Infant and Toddler Outcomes

- 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



Key components of the Q-CCIIT PD tools

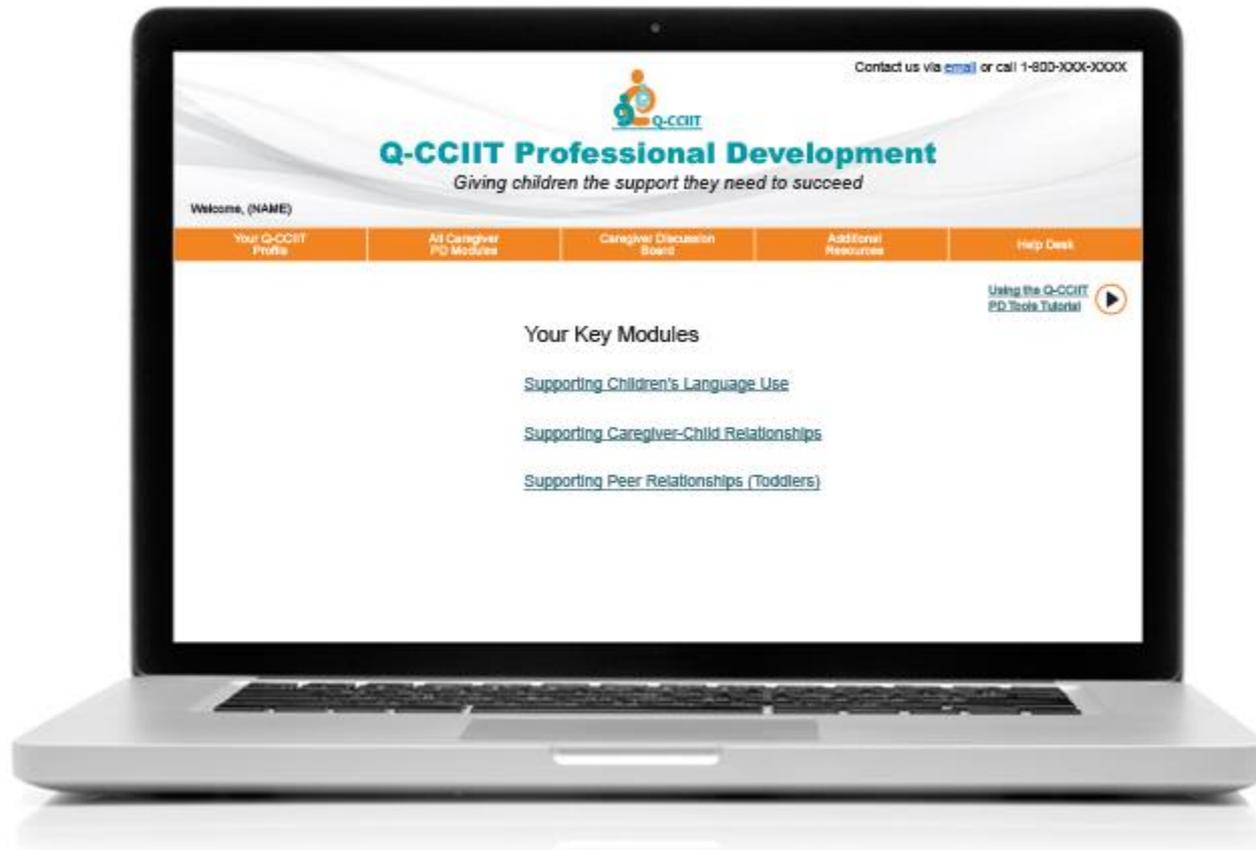


Focus of PD Provider training and tools

- 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

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- **Future: Design a large-scale implementation and evaluation study of the measure and PD tools**

For more information

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