LESSONS LEARNED ABOUT FPTRQ FROM OREGON’S SPARK (QRIS) VALIDATION STUDY

CHILD CARE AND EARLY EDUCATION POLICY RESEARCH CONSORTIUM MEETING
FEBRUARY 7, 2018
ROBERTA WEBER, PH.D
Overview

• Background: Oregon Spark/QRIS Validation Study

• Findings on Correlations between FPTRQ Scales and Checklists

• Associations of FPTRQ scores and QRIS ratings

• Insights and Questions: Measurement & Conceptualization
Background: Oregon Spark/QRIS Validation Study

• Identified constructs conceptually linked to Spark standards & selected a construct measure for each:
  • Classroom quality—CLASS
  • Child engagement—inCLASS
  • Family engagement—FPTRQ

• FPTRQ
  • Used Family, Provider/Teacher, and Director surveys
  • Used short form and added questions to surveys (e.g. child temperament to Family survey)
Background Continued: Association of Spark Ratings and FPTRQ Scores

• Sample
  • Programs: 45 large family child care home, 172 centers
  • Directors: 45 home director/owners, 112 center directors
  • Families/Parents: 1,166 (homes: n=215; centers: n=951)
    • Children in homes: 39% minority, 20% DLL
    • Children in centers: 38% minority, 20% DLL
  • Provider/Teachers: 369 (homes: n= 73; centers: n=296)
    • Providers in Homes: 46% minority, 45% primary language not English
    • Teachers in Centers: 25% minority, 13% primary language not English

• Methods
  • Multilevel modeling for nested populations (parents & provider/teachers)
  • Linear regression models for directors
What did we learn about the underlying reality measured by FPTRQ?

Correlations between reporter scores
Certified Centers

Family

- Family-Specific Knowledge +
  - Attitudes -
  - Practices +

Provider/Teacher

- Family-Specific Knowledge -
  - Attitudes +
  - Practices +

Director

- Comm Syst
- Info / Resources +
- Environment / Policy + (t)
Associations between FPTRQ Scores and QRIS Ratings

Associations in Oregon and Ohio
## Association of FPTRQ Scores and QRIS Ratings (Oregon and Ohio)

<table>
<thead>
<tr>
<th>Reporter</th>
<th>Scale</th>
<th>Ohio</th>
<th>Oregon</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Director</strong></td>
<td><strong>Environment &amp; Policy</strong></td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td><strong>Information &amp; Resources</strong></td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td><strong>Provider/Teacher</strong></td>
<td>Family-Specific Knowledge</td>
<td>--</td>
<td>x</td>
</tr>
<tr>
<td></td>
<td>Attitudes</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td>Practices</td>
<td>x</td>
<td>--</td>
</tr>
<tr>
<td><strong>Family</strong></td>
<td>Family-Specific Knowledge</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td>Attitudes</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td><strong>Practices</strong></td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>

Notes: An x represents finding of a significant association between scale score and QRIS rating. Bold indicates association found in Oregon and Ohio.
Summary of Findings

• FPTRQ Director checklist scores were associated with QRIS ratings in both Ohio and Oregon
  • Similarity in what is measured in checklist and QRIS rating
  • Both Director checklist and QRIS rating at program level.

• FPTRQ scores on center Family Practices scale associated with ratings in both states

• FPTRQ Provider/Teacher scale scores do not show a consistent association with QRIS rating in either state
Insights and Questions
Measurement
Conceptualization
Insights/Questions: Measurement

• Each survey measures at a different level:
  • What effect would we expect that to have on correlations or associations?

• Two of three scales shared by families and provider/teachers were correlated for centers but none were for homes:
  • Is this related to sample size – smaller ns for homes than centers? OR
  • Does measurement at different levels affect correlation?

• No provider/teacher scales were correlated with any director checklist although two family scales were for centers.
  • Is this a measurement issue or a finding of a real difference?
Insights/Questions: Conceptualization

• Policy interest in measurement of family engagement
  • FPTRQ a measure of the quality of the relationship between the family and their provider/teacher.
  • What is the conceptualized relationship between relationship quality and family engagement?
  • Does use of FPTRQ as family engagement measure raise any concerns?

• What role does director checklist play—what does it measure?
  • What does apparent association with QRIS family engagement standards mean?

• Can we learn more about what FPTRQ scales are measuring by exploring correlations among scores of scales and scores?
Oregon Spark/QRIS Validation Study Report will be posted to http://health.oregonstate.edu/sbhs/family-policy-program/oregon-quality-rating-and-improvement-system

For more information contact Roberta Weber: bobbie.weber@oregonstate.edu