

College of Public Health and Human Sciences School,
Hallie Ford Center for Healthy Children and Families

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

*CHILD CARE AND EARLY EDUCATION POLICY RESEARCH
CONSORTIUM MEETING
FEBRUARY 7, 2018
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**Oregon State
University**

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

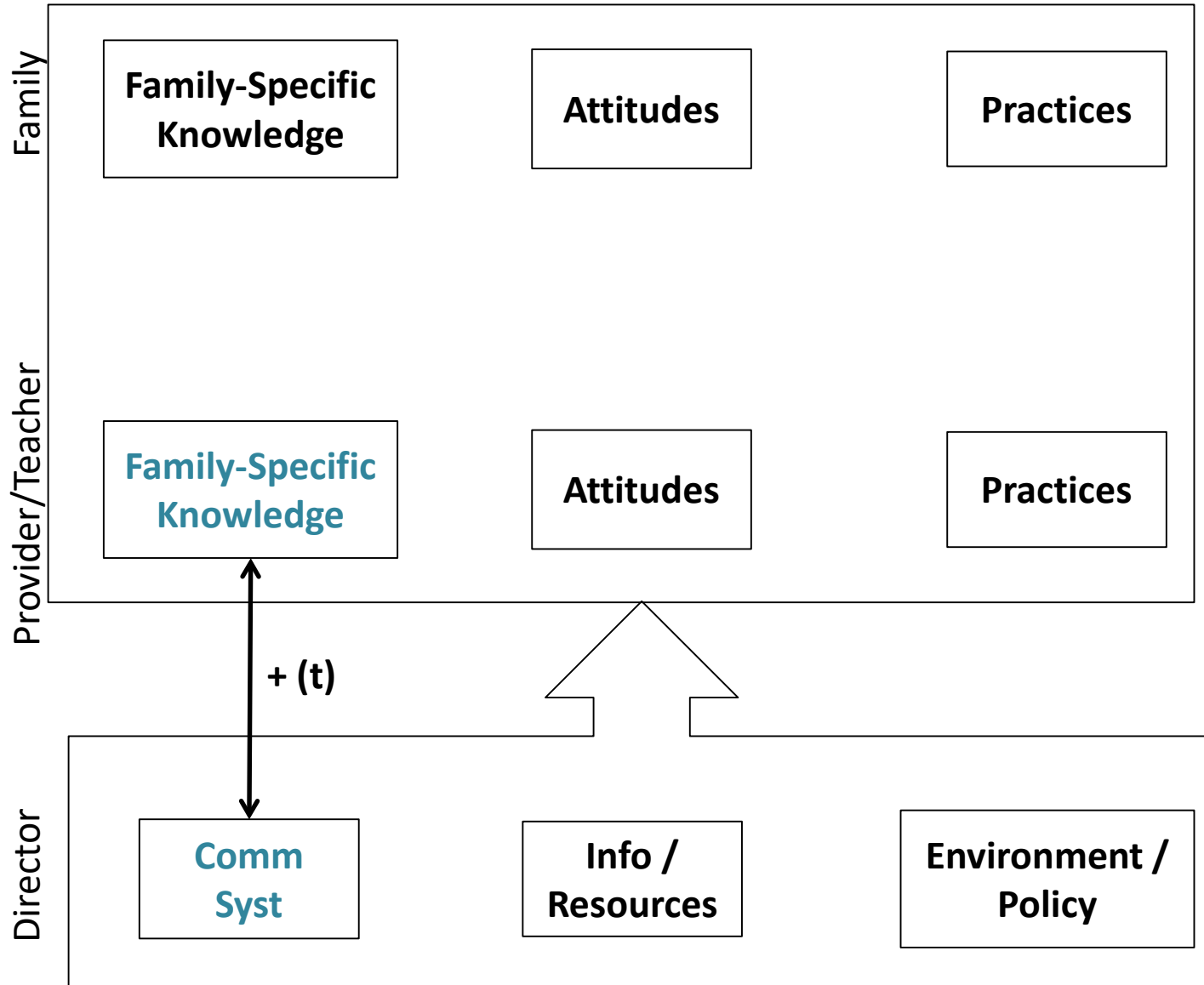
- Methods

- Multilevel modeling for nested populations (parents & provider/teachers)
- Linear regression models for directors

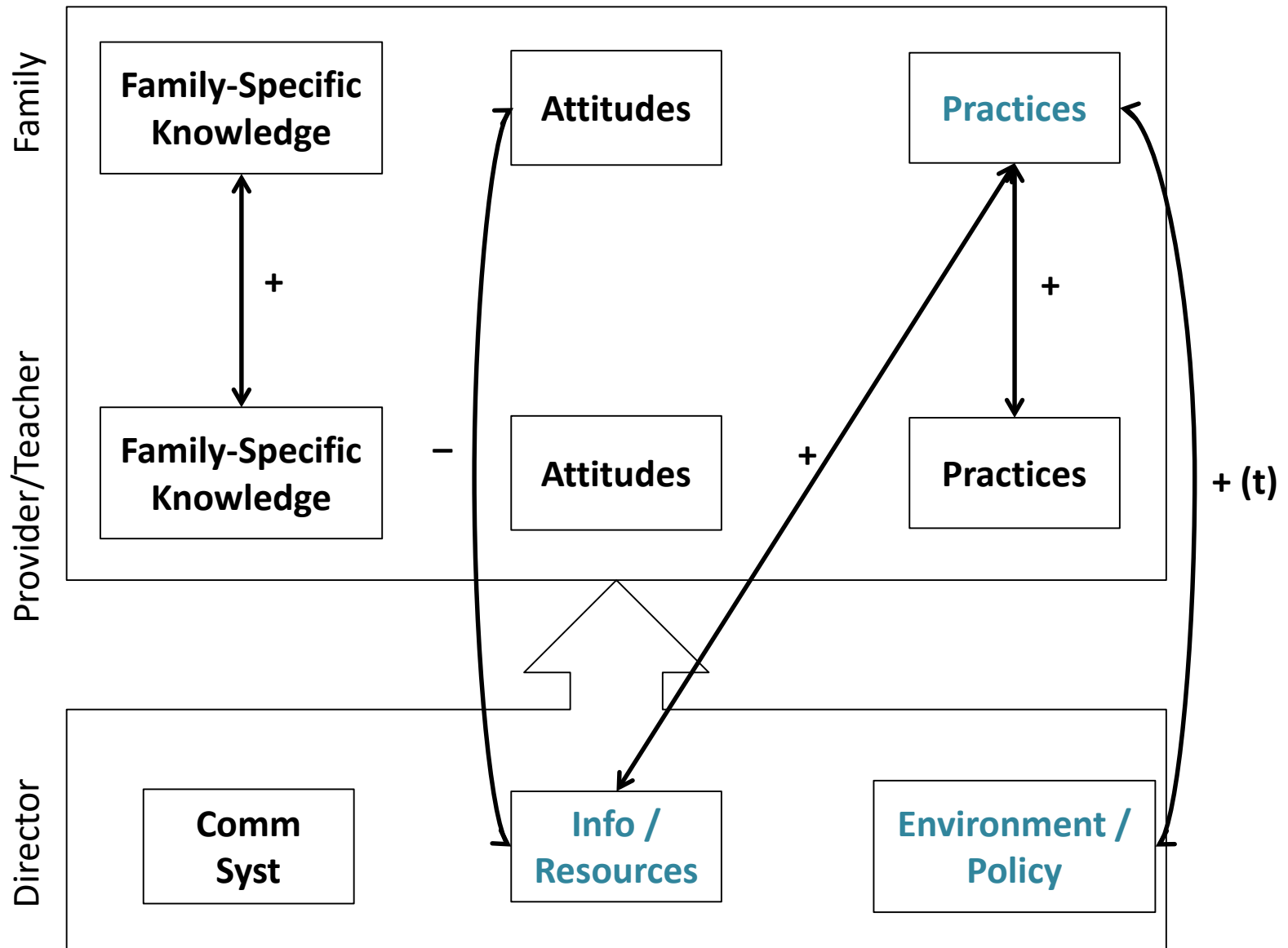
What did we learn about the underlying reality measured by FPTRQ?

Correlations between reporter scores

Certified Family



Certified Centers



Associations between FPTRQ Scores and QRIS Ratings

Associations in Oregon and Ohio

Association of FPTRQ Scores and QRIS Ratings (Oregon and Ohio)

		Ohio	Oregon	
Reporter	Scale	Center	Center	Homes
Director	Environment & Policy	x	x	--
	Communication	--	--	x
	Information & Resources	x	x	--
Provider/Teacher	Family-Specific Knowledge	--	--	x
	Attitudes	--	--	--
	Practices	x	--	--
Family	Family-Specific Knowledge	--	--	--
	Attitudes	--	--	--
	Practices	x	x	--

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](http://health.oregonstate.edu/sbhs/family-policy-program/oregon-quality-rating-and-improvement-system)

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