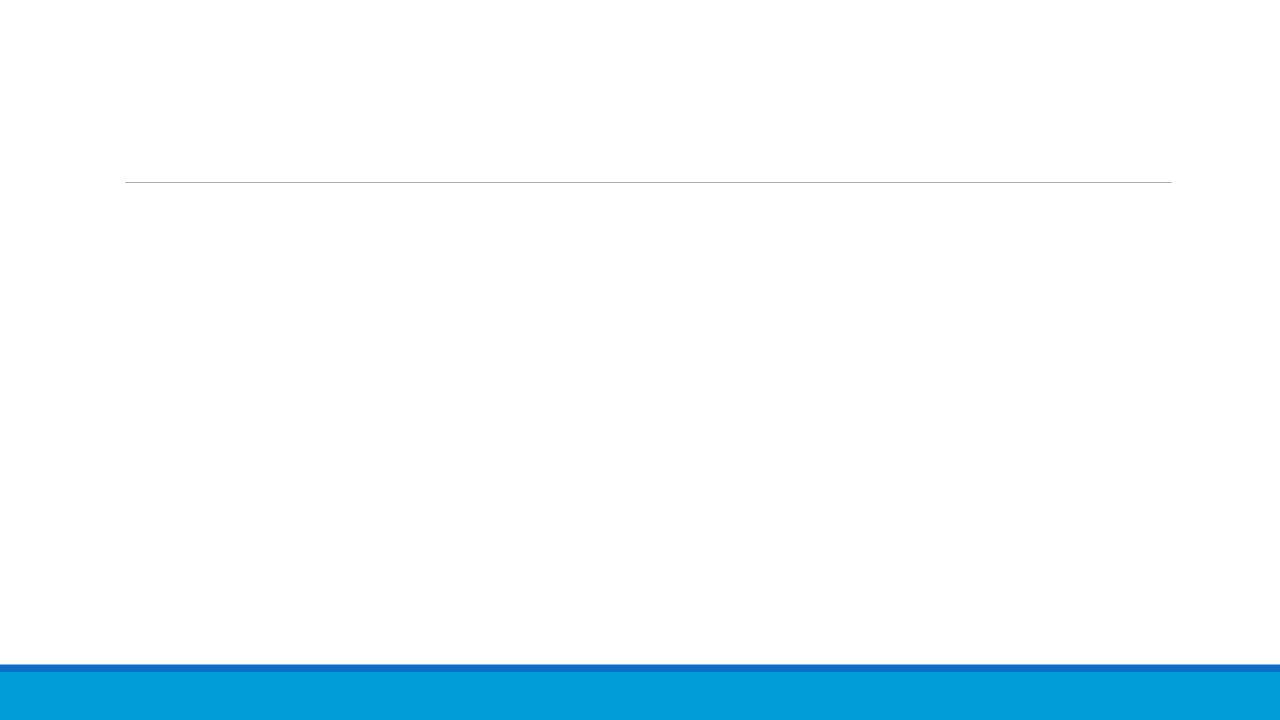# Toronto's Journey Towards an Empirically Based Early Childhood Education and Care Accountability System

ANNE HEPDITCH, CITY OF TORONTO

MICHAL PEARLMAN AND NELLIE KAMKAR, OISE/UT

- Toronto's QRIS system
-

	O
78 randomly centres	571 centres (entire population)
118 preschool classrooms classrooms	1116 preschool classrooms
Extensive quality data collected	OC data only

Testing the validity of Toronto's Measure Preschool Classroom Quality

Infant and Toddler 5-point Scale Versions:

- Psychometric Properties :
  - Measure hangs together well, alpha = .93
  - Measure is uni-dimensional
  - But, Interactions can serve as a standalone scale

Testing the validity of Toronto's Measure Preschool Classroom Quality

Preschool 4-point Scale Versions: Concurrent Validity

M	P	Q
ECERS-R Total (short form)	.61**	

Infant & Toddler

- 5-point esETQ EMC /P AMCID 5 B6C q0.000014305 0 960 540 reWnBT/F1 20.064 Tf1 0 0 1 102 353.812

Testing the validity of Toronto's Measure of Infant/toddler Classroom Quality

Phase 1: Intensive Measure Development

Randomly Selected Cetnres	110
Infant Classrooms	120
Toddler Classrooms	120
Classroom Staff	720

Collected extensive measures of process and structural quality

Testing the validity of Toronto's Measure of Infant/toddler Classroom Quality

Phase 2: Psychometric Properties and Concurrent Validity

Testing the validity of Toronto's Measure of Infant/toddler Classroom Quality

Infant and Toddler 5-point Scale Versions:

- Psychometric Properties :
  - The two version hang together well
    - Infant alpha = .78
    - Toddler alpha = .86
  - Both versions are uni-dimensional

Testing the validity of Toronto's Measure of Infant/toddler Classroom Quality

Infant and Toddler 5-point Scale Versions

- Concurrent Validity

M	Q	Q
ITERS-R Total	.312	.357

Other Interesting Facts

- Inter-rater reliability:
    - conducted at least three times a year
    - ensures the document is used in the way it is intended
    - must achieve 80% reliability

- 2017 Quality ratings:
    - Infant - 4.34/5
    - Toddler – 4.26/5
    - Preschool – 4.23/5

Home Child Care

- 3-point scale
- Three sections:
    - 19 domains: programming, environment & interactions
    - 12 domains: health & Safety
    - 3 domains: nutrition
- Confirm through observation or inquiry
- Administered annually in 10%, randomly selected, of Providers homes
- Study 2016, tested against a new measure of quality of interactions in Home Child Care settings s

Testing the validity of Toronto's Measure of Home Child Care Quality

Home Child Care 3-point Scale Versions:

- Psychometric Properties :

- All three components hang well together

  - Health and Safety alpha = .72

  - Nutrition alpha = .85

  - Children's Program alpha = .87

Home Child Care, 3 Scales on a 3-point Scale

- Concurrent Validity