A Systematic Review and Meta-Analysis

Supplemental Information 4

| Child-Staff I | Ratio Quality I | ndicator: List of Child Outcome Variables | | |
|---------------------|-----------------------|--|-------------------|-------------------|
| Outcome Category | Number of Measures | Child Outcome Variable | Number of Studies | Number of Samples |
| | | Child Behavior Inventory - Creativity (CBI) | 1 | 1 |
| | | Child Behavior Inventory - Dependence (CBI) | 2 | 2 |
| | | Child Behavior Inventory - Dependence (Parent) | | |
| | | (CBI) | | |
| | | Child Behavior Inventory - Dependence | | |
| | | (Teacher) (CBI) | | 1 |
| Approach | n=5 | Child Behavior Inventory - Distractibility (CBI) | 1 | 1 |
| • • | | Child Behavior Inventory - Independent (CBI) | 1 | 1 |
| | | Child Behavior Inventory - Task Orientation | | 2 |
| | | (CBI) | 2 | |
| | | Child Behavior Inventory - Task Orientation | | |
| | | (Parent) (CBI) Child Behavior Inventory - Task Orientation | | |
| | | (Teacher) (CBI) | | |
| | | Bayley Scales of Infant Development-R: Mental | _ | _ |
| | | Development Index | 1 | 1 |
| | | Bracken Basic Concept Scale - School | | 2 |
| | n=7 | Readiness (BBCS) | 2 | |
| | | Child Behavior Inventory - Intelligence (CBI) | 3 | 3 |
| | | Child Behavior Inventory - Intelligence (Parent) | | |
| Cognitive | | (CBI) | | |
| S | | Child Behavior Inventory - Intelligence | | |
| | | (Teacher) (CBI) | | |
| | | Identifying Colors (Color Naming) | 1 | 1 |
| | | Intellectual Ability | 1 | 1 |
| | | Preschool Inventory (PSI) | 3 | 3 |
| | | FACES - Social Awareness in the classroom | 1 | 1 |
| Combo | n=1 | Child Behavior Rating Scale (CBRS) | 1 | 1 |
| | n=19 | Academic Rating Scale: Language & Literacy | 3 | 4 |
| Language | | Adaptive Language Inventory (ALI) | 1 | 1 |
| | | Communication task | 1 | 1 |
| | | Early Childhood Longitudinal Study - Literacy | 1 | 1 |
| | | (ECLS) | 1 | 1 |
| | | Identifying Letters (Letter-Naming Test, Naming | 5 | 6 |
| | | Letters) | | |
| | | Oral & Written Language Scales - Oral | 5 | 5 |
| | | Expression Scale (OWLS) Oral & Written Language Scales - Total Scale | | |
| | | (OWLS) | 1 | 1 |
| | | Peabody Picture Vocabulary Test (PPVT-III) | 16 | 16 |

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| Outcome Category | Number of Measures | Child Outcome Variable | Number of Studies | Number of Samples |
|----------------------|-----------------------|---|-------------------|-------------------|
| | | Peabody Picture Vocabulary Test (PPVT-R) | | • |
| | | Peabody Picture Vocabulary Test (TVIP) | | |
| | | Preschool Language Assessment Instrument | 1 | 1 |
| | | (PLAI) | 1 | 1 |
| | | Reynell Developmental Language Scales (RDLS) - Expressive Language | 1 | 1 |
| | | Reynell Developmental Language Scales (RDLS) - Language Comprehension | 1 | 1 |
| | | Sequenced Inventory of Communication Development-Revised (SICD-R) -Expressive Communication Age | 1 | 1 |
| | | Sequenced Inventory of Communication Development-Revised (SICD-R)-Receptive Communication Age | 1 | 1 |
| | | Story & Print Concepts - Book Knowledge | 1 | 1 |
| | | Woodcock Johnson - Dictation (WJ-R) | 1 | 1 |
| | | Woodcock Johnson - Letter Word Identification (WJ-III) | 4 | 4 |
| | | Woodcock Johnson - Letter Word Identification (WJ-R) | | |
| | | Woodcock Muñoz - Indentificación de Letras y Palabras | | |
| | | Woodcock Johnson - Passage Comprehension (WJ-III) | 1 | 1 |
| | | Woodcock Johnson – Revised Reading | 1 | 1 |
| | | Woodcock Johnson - Rhyming (WJ-III R) | 3 | 3 |
| | n=5 | Counting Task (One-One Counting) | 1 | 1 |
| | | Early Childhood Longitudinal Study - Math (ECLS) | 1 | 1 |
| | | K-ABC (German Version) Arithmetic (K-ABC) | 1 | 1 |
| Math | | Identifying Numbers (Naming Numbers) | 1 | 1 |
| | | Woodcock Johnson - Applied Problems (WJ-III) | 9 | 10 |
| | | Woodcock Johnson - Applied Problems (WJ-) | | |
| | | Woodcock Mu noz – Problemas | | |
| Physical | n=1 | Design Copying | 1 | 1 |
| Positive Behavior | n=22 | Adaptive Social Behavior Inventory – Comply | 1 | 1 |
| | | Adaptive Social Behavior Inventory - Comply | | |
| | | (Parent) (ASBI) | | |
| | | Adaptive Social Behavior Inventory - Comply | | |
| | | (Teacher) (ASBI) | 4 | 4 |
| | | Adaptive Social Behavior Inventory – Express | 1 | 1 |

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| Outcome Category | Number of Measures | Child Outcome Variable | Number of Studies | Number of Samples |
|---------------------|-----------------------|--|-------------------|-------------------|
| · | | (Parent) (ASBI) | | • |
| | | Adaptive Social Behavior Inventory - Express | | |
| | | (Teacher) (ASBI) | | |
| | | Child Behavior Inventory - Considerateness | 2 | 2 |
| | | (CBI) | 2 | 2 |
| | | Child Behavior Inventory - Considerateness | | |
| | | (Parent) (CBI) | | |
| | | Child Behavior Inventory - Considerateness | | |
| | | (Teacher) (CBI) | | |
| | | Child Behavior Inventory - Sociability (CBI) | 2 | 2 |
| | | Child Behavior Inventory - Sociability (Parent) (CBI) | | |
| | | Child Behavior Inventory - Sociability (Teacher) (CBI) | | |
| | | Cooperative Behavior | 1 | 1 |
| | | Early Childhood Longitudinal Study - Attention | 1 | 1 |
| | | & Concentration | 1 | 1 |
| | | Early Childhood Longitudinal Study - Attention | | |
| | | & Concentration (Teacher) | | |
| | | Early Childhood Longitudinal Study - Attention | | |
| | | & Concentration (Parent) | | |
| | | Early Childhood Longitudinal Study - Emotional | 1 | 1 |
| | | & Behavioral Regulation | - | - |
| | | Early Childhood Longitudinal Study - Emotional | | |
| | | & Behavioral Regulation (Teacher) | | |
| | | Early Childhood Longitudinal Study - Emotional | | |
| | | & Behavioral Regulation (Parent) | 1 | 1 |
| | | Early Childhood Longitudinal Study - Prosocial | 1 | 1 |
| | | Early Childhood Longitudinal Study – Prosocial | | |
| | | (Teacher) Early Childhood Longitudinal Study – Prosocial | | |
| | | (Parent) | | |
| | | Observational Record of the Caregiving | | |
| | | Environment – Self-Reliance (ORCE) | 1 | 1 |
| | | Observational Record of the Caregiving | | |
| | | Environment - Sustained Attention (ORCE) | 1 | 1 |
| | | Positive Social Behavior Composite | 1 | 1 |
| | | Social - Cognitive Ability | 1 | 1 |
| | | Social - Competence with Stranger | 1 | 1 |
| | | Social - Competence with Visitor | 1 | 1 |
| | | Social Competence (rated by teacher) | 1 | 1 |
| | | Social Problem-Solving Skills Procedure - | 1 | 1 |
| | | Prosocial Categories | 1 | 1 |

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| Outcome Category | Number of Measures | Child Outcome Variable | Number of Studies | Number of Samples |
|---------------------|-----------------------|---|-------------------|-------------------|
| | | Social Problem-Solving Skills Procedure - | 2 | 2 |
| | | Prosocial Responses | | |
| | | Social Skills Rating Scale | 1 | 1 |
| | | Social Skills Rating Scale - Parent | | |
| | | Social Skills Rating Scale - Teacher | | |
| | | Social Skills and Behavior Problems Scale - Social Competence (SSBS) | 1 | 1 |
| | | Student-Teacher Relationship Scale - shortened (STRS) | 1 | 1 |
| | | Teacher Child Rating Scale - Social Competence (TCRS) | 4 | 5 |
| | | The California Preschool Social Competency Scale Social Competence | 1 | 1 |
| | | Behavior Problems Composite | 1 | 1 |
| | | Behavior Problems Index - Antisocial (BPI) | 1 | 1 |
| | | Behavior Problems Index - Attention-Deficit (BPI) | 1 | 1 |
| | | Behavior Problems Index - Depressed (BPI) | 1 | 1 |
| | | Behavior Problems Index - Immature/Dependent (BPI) | 1 | 1 |
| | | Child Behavior Checklist - Externalizing (Parent) (CBCL) | 1 | 1 |
| | | Child Behavior Checklist - Internalizing (Parent) (CBCL) | 1 | 1 |
| | | Child Behavior Inventory - Apathy (CBI) | 1 | 1 |
| Problem | | Child Behavior Inventory - Behavior Problems (CBI) | 1 | 1 |
| | 22 | Child Behavior Inventory - Hostility (CBI) | 1 | 1 |
| Behavior | n=23 | FACES - Aggressive Behavior | 1 | 1 |
| | | FACES - Aggressive Behavior (Parent) | | |
| | | FACES - Aggressive Behavior (Teacher) | | |
| | | FACES - Hyperactive Behavior | 1 | 1 |
| | | FACES - Hyperactive Behavior- Parent | | |
| | | FACES - Hyperactive Behavior- Teacher | | |
| | | FACES - Withdrawn Behaviors | 1 | 1 |
| | | FACES - Withdrawn Behaviors - Parent | | |
| | | FACES - Withdrawn Behaviors - Teacher | | |
| | | Preschool Behavior Questionnaire - Aggression | 1 | 1 |
| | | Preschool Behavior Questionnaire - Aggression (PBQ) (Parent) | | |
| | | Preschool Behavior Questionnaire - Aggression ((PBQ) (Teacher) | | |

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| Outcome Category | Number of Measures | Child Outcome Variable | Number of Studies | Number of Samples |
|---------------------|-----------------------|---|-------------------|-------------------|
| | | Preschool Behavior Questionnaire - Anxiety (PBQ) | 1 | 1 |
| | | Preschool Behavior Questionnaire - Anxiety (PBQ) (Parent) | | |
| | | Preschool Behavior Questionnaire - Anxiety (PBQ) (Teacher) | | |
| | | Preschool Behavior Questionnaire - Hyperactivity (PBQ) | 2 | 2 |
| | | Preschool Behavior Questionnaire – Hyperactivity/Distractible (PBQ) | | |
| | | Preschool Behavior Questionnaire - Hyperactivity (PBQ) (Parent) | | |
| | | Preschool Behavior Questionnaire - Hyperactivity (PBQ) Teacher) | | |
| | | Preschool Behavior Scale - Hyperactivity (PBS) | 1 | 1 |
| | | Social Problem-Solving Skills Procedure - Antisocial Categories | 1 | 1 |
| | | Social Problem-Solving Skills Procedure - Antisocial Responses | 1 | 1 |
| | | Social Skills and Behavior Problems Scale - Behavior Problems (SSBS) | 1 | 1 |
| | | Teacher Child Rating Scale - Behavior Problems (TCRS) | 3 | 4 |
| | | Teacher's Report Form - Externalizing (Teacher) (TCRF) | 2 | 2 |
| | | Teacher's Report Form - Internalizing (Teacher) (TCRF) | 2 | 2 |
| Total | n=83 | | | |