Coach Training Evaluation of the Online and Applied System for Intervention Skills Parent Training Program

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**Background**

- Autism prevalence rate: 1 in 54 (CDC, 2020)
- Autism is equally as prevalent in rural areas as urban areas
- Families of children with ASD, particularly those living in the rural areas, experience many challenges when seeking evidence-based treatments
  - Limited trained professionals
  - Limited resources
- The Online and Applied System for Intervention Skills (OASIS) Training (Heitzman-Powell, Buzhardt, Rusinko, & Miller, 2013)
  - is a manualized training program
  - uses a combination of web-based instructional tutorials and live coaching
  - can be delivered via both in-person and telehealth
  - Empowers parents of children with ASD to better support their children with knowledge and skills

**Online Training**

- Eight web-based tutorials
  - Ongoing activities embedded throughout the tutorials
  - Immediate feedback
  - Trainee must respond correctly to each activity to continue through the tutorial
  - Online knowledge assessments
  - Online parent reporting:
    - ABC chart for challenging behavior
    - Documentation of new skills taught & procedures used
  - 90-120 minute in person or live video-conferencing session with certified OASIS coach
  - Discussion of online learning
  - Knowledge assessment
  - Tutorial content
  - Discussion of parent reporting
  - ABC chart
  - New skill teaching chart
  - Address any parent questions
  - Criterion referenced skill assessment
  - Skill coaching

**OASIS Parent Training**

- Complete all parent training online tutorials
- Review all other parent training materials
- Pass each knowledge assessment with a score of at least 90%
- Skill assessment scoring of parent demonstration of skills
- Coach statement scoring while watching videos of parent demonstration of skills
- Effective feedback Training
- Conducting parent training sessions:
  - Sessions 1 & 2: observation only
  - Sessions 3 & 4: co-led with a certified OASIS coach
  - Session 5 & 6: lead while being observed by a certified OASIS coach
- Implementation fidelity scored by the certified OASIS coach
- All skill assessments criteria: 80% or higher

**Applied Training**

- Skill assessment scoring of parent demonstration of skills
- Coach statement scoring while watching videos of parent demonstration of skills
- Effective feedback Training
- Conducting parent training sessions:
  - Sessions 1 & 2: observation only
  - Sessions 3 & 4: co-led with a certified OASIS coach
  - Session 5 & 6: lead while being observed by a certified OASIS coach
- Implementation fidelity scored by the certified OASIS coach
- All skill assessments criteria: 80% or higher

**OASIS Coach Training**

- Complete all parent training online tutorials
- Review all other parent training materials
- Pass each knowledge assessment with a score of at least 90%
- Skill assessment scoring of parent demonstration of skills
- Coach statement scoring while watching videos of parent demonstration of skills
- Effective feedback Training
- Conducting parent training sessions:
  - Sessions 1 & 2: observation only
  - Sessions 3 & 4: co-led with a certified OASIS coach
  - Session 5 & 6: lead while being observed by a certified OASIS coach
- Implementation fidelity scored by the certified OASIS coach
- All skill assessments criteria: 80% or higher

**Preliminary Results**

- Number of trained OASIS coaches: 2 in the year of 2018; 15 in the year of 2019
- Education: Bachelor degree: 2 (12%); Master degree: 13 (76%); Ph.D. degree: 2 (12%)
- Credentials: All trainees had at least one credential such as BCBA/LBA (6; 35%) and Autism Specialist (4; 24%)
- States of residence: 15 (88%) from Kansas; 1 (6%) from Missouri; 1 (6%) from Illinois
- 14 (82%) of the 17 trainees serve families from rural areas

**Future Directions**

- Scaling Up OASIS Training: Building regional capacity to disseminate evidence-based practices for parents of children with autism

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