Fostering Pediatric Resilience in Outpatient Primary Care: An Evidence-Based Practice Improvement Project

Susan C. Schreiber
*University of Tennessee, Knoxville*, sschrei5@vols.utk.edu

Tami Bland
*University of Tennessee, Knoxville*, tbland@utk.edu

Allyson Neal
*University of Tennessee, Knoxville*, Aneal7@utk.edu

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Pediatric Resilience in Primary Care - Practice Improvement

Susan Schreiber, Doctorate of Nursing Practice Candidate

Background
Resilience is multifactorial and includes social-emotional, behavioral, intrapersonal, cognitive, and interpersonal skills and factors. These can be learned and/or promoted to increase one’s capacity for resilience. Children will experience stress and may face adverse childhood experiences (ACEs) that can have long-term consequences. This raises the issue of how to proactively address resilience throughout childhood and provide appropriate interventions throughout all stages of neuropsychological and physical development, not only after negative situations arise. Healthcare providers are in an ideal position to address, educate, and provide anticipatory guidance on age-appropriate, evidence-based resilience promoting techniques.

Project Aim
Evaluate how implementation of resilience promotion education and/or techniques in advanced practice registered nurses (APRNs) influences their knowledge and comfort with resilience promoting techniques; and the perceptions that the caregivers of pediatrics patients hold regarding the use of these resilience interventions over a three-month period.

Methods
Educational Intervention for APRNs
1. Baseline knowledge assessment
2. Educational session using specific components and/or techniques from the Community Resiliency Model (CRM)
3. Post-educational intervention assessment

Clinical Intervention
1. APRNs integrated resilience and CRM knowledge and techniques into clinical practice from September through December 2020, particularly during mental health care visits (e.g., attention-deficient hyperactivity disorder, anxiety, depression etc.) in patients aged four to 18 years. Immediately after a patient encounter in which the APRNs implemented resilience knowledge or CRM techniques, the APRN provided a five-item questionnaire to the child’s caregiver.
2. After the three months of clinical integration, the APRNs completed a follow-up assessment.

Results:
Advance Practice Registered Nurses (APRNs)
APRNs had increased comfort in discussing resilience promotion techniques, comfort modeling/demonstrating resilience promotion techniques, and perceived feasibility of integration of resilience promotion techniques during patient encounters in a timely manner. This supports the statement that primary care healthcare providers are in an ideal position to address, educate, and provide anticipatory guidance on age-appropriate, evidence-based resilience promoting techniques.

Caregivers
Caregiver survey data showed that, on average, resilience techniques were believed to be helpful and that the techniques learned were anticipated to be used after the patient encounter. These findings indicate that caregivers have a positive perception regarding the use of resilience techniques during primary care patient encounters.

Conclusion
Strong resilience skills have been shown to result in significantly improved outcomes in short- and long-term outcomes, and there are no known risks to patients who utilize the resilience promotion skills of CRM. Findings from this project lend support to the recommendations that resilience should be proactively addressed during patient encounters, and that healthcare providers are in an ideal position to discuss and model evidence-based resilience-promoting techniques.

Limitations
This project was implemented during a global pandemic which influenced the number of patients and clinical sites. The small sample sizes prevent strong conclusions from being deduced and general recommendations from being created.

Implications/Recommendations
Generally, APRNs have little control over an individual's external environment (e.g., parents/caregivers, friends, schools, community, etc.); however, APRNs can aid in the development of internal strengths that promote resilience.