

**Project title:**

Inadvertent Negative Outcomes from Isolation and Contact Precautions in a Pediatric Population

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**Research Project Description**

Contact and isolation precautions have long been implemented in hospital settings as a means to decrease transmission and spread of pathogenic agents among compromised and vulnerable hosts. Though such precautions have demonstrated mitigation of pathogen dissemination, it is not without potential inadvertent outcomes (1,2,3). Such inadvertent outcomes include incomplete vital sign measurements, missing notes, preventable adverse events, supportive care failures, and psychological trauma. To date, inadvertent outcomes of contact and isolation precautions have only been investigated in the adult population and not yet the pediatric population.

The project will be conducted as a prospective cohort study, comparing individuals with and without contact and isolation precautions in the in patient pediatric wards of UF Health Shands Children's Hospital. With assistance from the healthcare team, medical students will identify and approach eligible patients for enrollment in the study. Students will complete the informed consent process and then distribute packets (including surveys, return stamped envelope, and information regarding this study) to all patients willing to participate in the survey.

1. Stelfox HT. Bates DW. Redelmeier DA. Safety of patients isolated for infection control. JAMA. 290(14):1899-905, (2003).
2. Kirkland KB. Weinstein JM. Adverse effects of contact isolation. Lancet. 354(9185):1177-1178 (1999).
3. Abad C. Fearday A. Safdar N. Adverse effects of isolation in hospitalised patients: a systematic review. Journal of Hospital Infections. 76(2):97-102, (2010).