

# Nurse Leader Clinical Dashboard of Nursing Care Omissions

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## Abstract

**Purpose:** To examine the impact of a clinical dashboard that will be populated with unit level bundled nursing care omissions (i.e., omitted nursing interventions and nursing care activities) that are related to adverse events such as Hospital Acquired Infections (HAIs). The unit data will be synthesized (bundled) and presented using Tableau data visualization software. **Study design:** A quasi experimental pre/post test time series design will be used to evaluate the effectiveness of the LCD. **Intervention:** Development and implementation of a prototype LCD of nursing care omissions using missed nursing documentation in the electronic health record (EHR) as a proxy of nursing care omissions (missed nursing care). **Setting & sample:** The project will take place at a large urban academic medical center in Baltimore, MD. The medical center is composed of 33 inpatient nursing units managed by 5 nursing directors. The sample will consist of registered nurses from five high-volume medical and/or surgical units or intermediate care units. **Data sources:** Data will be obtained from the EPIC EHR, other clinical data systems, and administrative systems. The identification of all data sources will occur in the data acquisition phase of the dashboard development. **Procedures:** Procedures will occur in three phases. The first is the validity testing of the data retrieved from the EHR. The second phase is the development and testing of the prototype dashboard. The third phase is the implementation and measurement of the effectiveness of the LCD. **Results:** Results will be analyzed and presented for the first 2 phases of the study. Preliminary results from phase 3 may be available prior to the presentation. **Conclusions:** Discovering innovative interventions to decrease nursing care omissions related to adverse events is necessary to improve patient safety and quality of care. Additionally, accurately measuring nursing care omissions in real time is necessary to determine the effectiveness of interventions to decrease the rate of these adverse events.