

NR449 Evidence-Based Practice

Matrix Table RUA: Analyzing Published Research

Evidence Matrix Table

Article	References	Purpose Hypothesis Study Question(s)	Study Variables	Study Design	Sample Size & Selection	Col Me
1 (SAMPLE ARTICLE)	Smith, L. (2013). What should I eat? A focus for those living with diabetes. <i>Journal of Nursing Education</i> , 1 (4) 111-112.	How do educational support groups effect dietary modifications in patients with diabetes?	D-Dietary modifications I-Education	Qualitative	N- 18 Convenience sample-selected from local support group in Pittsburgh, PA	Focu
1	Beville, A. S. M., Heipel, D., Vanhoozer, G., & Bailey, P. (2021). <i>Reducing central line-associated bloodstream infections (CLABSIs) by reducing central line days. Current Infectious Disease Reports</i> , 23(23). https://doi.org/10.1007/s11908-021-00767-w	Purpose: examine strategies that reduce CLABSI by decreasing unnecessary central line days. Study Questions: What interventions are effective in reducing central line days? How do communication, EHR use, and safety culture influence CLABSI prevention?	Independent variables: Audit and rounding practices, EHR alerts, safety culture, midline catheter use. Dependent variables: CLABSI rates, central line days, staff compliance.	Integrative literature review of multiple intervention studies on CLABSI reduction.	n/a; synthesis of published hospital-based studies in the U.S. and internationally between 2014–2021.	Revi peer review quan and quali studi analy inter addr daily mult ary roun EHR remi lead enga and cathe prog
2	Patrianakos, J., Longo, B. A., & Williams, S. C. (2024). <i>Successful practices to reduce central line-associated bloodstream infections post-pandemic: A qualitative study.</i>	Purpose: To explore factors contributing to reduced CLABSI rates following the COVID-19 pandemic and identify evidence-based strategies that sustained improvement. Study Questions: What deviations occurred during the pandemic?	Independent variables: Staffing, PPE supply, education, EHR improvements, multidisciplinary collaboration, standardization of	Qualitative multiple-case study using semi-structured interviews.	Six American hospitals selected from CDC NHSN data (high-performing hospitals with sustained CLABSI reduction 2019–	Sem struc phon inter with infect prev profe