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The Influence of Context on Utilizing Research Evidence for Pain Management in Jordanian Pediatric Intensive Care Units (PICU)

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Abstract: Purpose: The purpose of this study was to gain a beginning understanding of the contextual factors that influence the use of research for pain management in Jordanian Pediatric Intensive Care Units (PICUs). Design and Methods: A paper or online questionnaire was used to collect data on instrumental research use (IRU) and conceptual research use (CRU) and ten contextual variables from 73 registered nurses working in four Jordanian PICUs. The Pearson product-moment correlation coefficient was used to test the relationship between continuous (demographic and contextual) factors and IRU and CRU. One way ANOVA and independent t-test were used to examine the differences between sociodemographic variables and IRU and CRU. Generalized Estimating Equations (GEE) was used to determine the demographic and contextual factors that influenced research use. We modeled the significant variables identified by bivariate correlation, t-test, and ANOVA at ($p < 0.10$). Results: Nine of the contextual factors significantly and positively correlated with the IRU for pain assessment, eight with the IRU for pain treatment, and six with the CRU for pain management (including assessment and treatment). Hospital type (public) predicted the IRU for pain assessment. Social capital, structural, and electronic resources predicted the IRU for pain treatment. Social capital predicted the CRU for pain management. Conclusion: Context influences Jordanian PICU nurses' use of research for pain management. Practice Implications: Concentrating on modifiable contextual factors may positively influence Jordanian PICU nurses' use of research for pain management. This influence may extend to reduce children's pain in Jordanian PICUs.