

## Factors related to doctors and nurses perceptions of evidence-based practice and information - communication technology

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### Abstrak

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Evidence-based practice (EBP) that is supported by the availability of the best literature can improve the quality of health services. Information and communication technology (ICT) usage may provide the evidence in timely-manner. However, literature on the factors related to EBP and ICT of doctors and nurses in Indonesia is scant. This study aimed to describe the factors related to the doctors' and nurses' EBP perception and ICT. This survey was conducted in November 2017–January 2018 at one general hospital, five private hospitals, eleven public health centers, and five private clinics. A total of 85 doctors and 271 nurses selected by proportional probability sampling were given online questionnaires. Each questionnaire consisted of 12 items about access to information and 24 items about perception of EBP adopted from the evidence-based practice questionnaire Upton & Upton. Pearson correlation, independent t-test analysis, and one-way ANOVA results found education and role were related to the doctors' EBP. Education, role, age, and experience were related to the doctors' ICT. There was a relationship between age and education with the nurses EBP. These two factors and working experience were related to the nurses' ICT. EBP intervention through ICT may take into account the nature of experienced senior doctors and young inexperienced nurses with higher education in the ICT platform. Advocacy is needed to increase the use of ICTs for EBP and professional development. Further research related to the need of knowledge translation through ICT should be conducted.