

ABSTRACT

Effect of the Participation Frequency in Prenatal Class into Labor Complications Incident in the Bumiaji Health Center-Batu

The government had done a strategy to reduce MMR and IMR that was prenatal class. The research purpose was to know the effect participation frequency in prenatal class into labor complications incident in Bumiaji health care center-Batu. This research was an analytical study with case control design. The population in this study was divided into two populations, populations cases of post partum mothers which had complications during labor and populations control of post partum mothers which didn't have complications during labor in Bumiaji health center Batu. Sample size was 50 post partum mothers each group. Data were analyzed by logistic regression. The research result bivariat age (OR = 4,929; 95% CI : 1,503-16,157; *p value* = 0,008), education (OR = 3,778; 95% CI : 1,343-10,628; *p value* = 0,012), profession (*p value* = 0,280), salary (*p value* = 0,230), parity (*p value* = 0,111), labor background (*p value* = 0,021), knowledge (OR = 6,000; 95% CI : 1,109-32,449; *p value* = 0,037), antenatal frequency (*p value* = 0,174), presence frequency in prenatal class (OR = 9,412; 95% CI : 1,016-87,192; *p value* = 0,048) and participation frequency in prenatal class (OR = 2,000; 95% CI : 1,028-3,892; *p value* = 0,041). The analysis result showed that the variables which effect in labor complications incident were education (OR= 5,007 ; 95% CI=1,350-18,576), knowledge (OR= 6,084 ; CI = 0,838-44,160), parity (OR = 2,966 ; CI = 1,004-8,758), antenatal care frequency (OR= 4,602 ; CI = 1,531-13,834) and presence frequency in prenatal class (OR = 0,198 ; CI = 0,053-0,733), but age and salary were not effect in labor complications incident. The conclusions of this research that there was an effect of the participation frequency in prenatal class into labor complications incident in the Bumiaji health center-Batu.

Keywords : participation frequency in prenatal class, labor complications incident