

**THE ASSOCIATION BETWEEN HORMONAL INJECTION
CONTRACEPTIVE AND BLOOD PRESSURE IN WOMEN
OF REPRODUCTIVE AGE AT KEMBANGAN
COMMUNITY HEALTH CENTER, JAKARTA**

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ABSTRACT

Background: The association between hormonal injection contraceptive and hypertension has been long well-established. However, little is known about the relative odds of hypertension in women who used hormonal injection contraceptive in Jakarta. This study aimed to estimate the association between hormonal injection contraceptive and hypertension in women of reproductive age at Kembangan Community Health Center, Jakarta.

Subjects and Method: This was a cross-sectional study conducted at Kembangan Community Health Center, Jakarta in June 2014. A sample of 161 women of reproductive age was selected for this study by fixed exposure sampling, consisting of 80 women who had used hormonal injection contraceptive and 81 women who had used non-hormonal contraceptive. The dependent variable was blood pressure. The independent variable was use of hormonal injection contraceptive. The blood pressure was measured by sphygmomanometer. The data on the use of hormonal injection contraceptive was taken from the health record at Kembangan Community Health Center. The magnitude of the association between hormonal injection contraceptive and hypertension was measured by OR and tested by Chi-square.

Results: The odds of hypertension increased with the use of hormonal injection contraceptive (OR= 7.82; 95% CI= 2.23 to 27.43; p= 0.001).

Conclusion: Women who have used hormonal injection contraceptive at Kembangan Community Health Center, Jakarta, have eight times as many odds of hypertension than those who have use non-hormonal injection contraceptive. The health personnel at Community Health Center should be aware and monitor blood pressure of women who use hormonal injection contraceptive regularly in order to early detect hypertension and take the necessary action.

Keywords: hormonal injection contraceptive, hypertension

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