Children's Hospital of Philadelphia PolicyLab

Satisfaction With the Intrauterine Device Insertion Procedure Among Adolescent and Young Adult Women

Visit Article

OBJECTIVE: To evaluate satisfaction with intrauterine device (IUD) insertion procedures among adolescent and young adult women. METHODS: This secondary analysis of data from a multisite, single-blind, sham-controlled randomized trial of women having a levonorgestrel 13.5-mg IUD inserted enrolled participants from March 2015 through July 2016 at three family planning clinics in Philadelphia, Pennsylvania. Eligible participants were 14-22 years of age, nulliparous, not pregnant, and English-speaking. Randomization was computer-generated allocation in block sizes of four to a 1% lidocaine paracervical or sham block. Only patients were blinded. Satisfaction was measured with three items that assessed overall satisfaction with the procedure, whether participants would recommend the IUD to a friend, and the perception that the IUD was worth the discomfort. Predictors included demographics, sexual and reproductive history, pain after IUD insertion, and treatment group. RESULTS: Ninety-five women enrolled; 93 (97.9%) were included in the analysis. Forty-five (47.4%) were white, 34 (36.0%) were black, 62 (66.0%) were privately insured, and 75 (79.0%) had used contraception previously. Most (n=73 [76.8%]) reported high overall satisfaction with the procedure, 64 (67.4%) would recommend an IUD to a friend, and 79 (83.2%) perceived the IUD was worth the discomfort. The odds of reporting high overall satisfaction were lower among adolescents compared with young adults (odds ratio [OR] 0.07, 95% CI 0.008-0.68); those who never had a gynecologic examination compared with those who had (OR 0.26, 95% CI 0.07-0.99); and decreased as pain score increased (OR 0.96, 95% CI 0.94-0.99). Higher pain scores were negatively correlated with the odds of recommending an IUD to a friend and perceiving the IUD was worth the discomfort. CONCLUSION: Adolescent and young adult women report high levels of satisfaction after the IUD insertion procedure. Young age, lack of experience with gynecologic examinations, and high pain were inversely related to satisfaction.

Journal:

Obstetrics and Gynecology

Authors: Akers AY, Harding J, Perriera LK, Schreiber C, Garcia-Espana JF, Sonalkar S