Attitudes often predict behavior, but implicit measures, rather than explicit questionnaires, might better predict socially stigmatized behaviors, such as aggression (Scott & Straus, 2007). Eckhardt et al. (2012) established that behavior predicts implicit attitudes toward the use of violence (ATV) in maritally violent criminals. This study examined ATV for their effect on the provocation-aggression relationship, which may be more attenuated in intimate partner-violent samples. Participants listened to and imagined themselves in a provoking scenario and placed pins in a voodoo doll as a measure of aggression. The paradigm allows for real-time measurement of aggression directed toward the partner or interloper (Slotter et al., 2012). Explicit measures of attitudes were compared to the implicit test. Provocation led to more pin placement in the doll. More positive ATV led to increased behavioral aggression. Thus, ATV appears to moderate the provocation-aggression relationship. Also, the implicit test predicted violence better than explicit measures.