**Table H59. Evidence table (Reference ID# 3597)**

| Study Description | Intervention(s)/ Comparator(s) | Patient Population | Baseline Measure(s) | Outcome Measure(s) | Quality |
| --- | --- | --- | --- | --- | --- |
| **Author:**  Tuten et al., 2012  **Country:**  USA  **Enrollment period:**  May 2005 to  January 2009  **Setting:**  University based drug and alcohol treatment clinic for pregnant women  **Funding:**  Grant (Federal)  **Author industry relationship disclosures:**  0/5  **Study Design:**  RCT  **Blinding:**  None | **Intervention:**  Contingent behavioral incentive (CBI) shaping schedule- participants were eligible to earn incentives contingent upon smoking reduction or abstinence for 12 weeks or until delivery  Week 1: any reduction  Weeks 2-4: 10% reduction  Weeks 5-7: 25% reduction  Weeks 8-9: 50% reduction  Weeks 10-11: 75% reduction  Week 12 until delivery: abstinence (CO < 4 ppm)  Voucher was $7.50 for first target and increased by $1.00/day for each consecutive target. up to maximum $41.50  NCBI: Participants were yoked to randomly selected individual in pilot CBI condition who had submitted CO samples for at least a two week period. Required to leave CO and urine samples generated by yoked schedule.  **Intervention provider:**  NR  **Intervention setting:**  Center for Addiction and Pregnancy (drug and alcohol residential and outpatient care)  **Comparator:**   * Non-contingent behavioral incentive (NCBI) * Treatment as usual (TAU)   **Followup:**  1 month, 3 months and 6 weeks postpartum (self-report data only)  **Groups:**  **G1:** CBI  **G2:** NCBI  **G3:** TAU | **Inclusion criteria:**   * Pregnant, ≤ 30 weeks gestation * Age ≥ 18 * Nicotine dependent or smoked 10 or more cigarettes daily * Capable of providing informed consent * Entered treatment at Center for Addiction and Pregnancy (CAP)   **Exclusion criteria:**   * See above   **Enrollment, n:**  **G1:** 42  **G2:** 28  **G3:** 32  **Followup, n:**  **Neonatal outcomes**  **G1:** 30  **G2:** 17  **G3:** 21  **Age, mean years ± SD:**  **G1:** 32.2 ± 6.4  **G2:** 29.8 ± 5.6  **G3:** 30.0 ± 5.6  **Education, mean years ± SD:**  **G1:** 11.2 ± 1.5  **G2:** 10.8 ± 1.5  **G3:** 11.3 ±1.5  **Gestation, mean weeks ± SD:**  **G1:** 16.9 ± 6.2  **G2:** 14.9 ± 7.3  **G3:** 17.6 ± 7.4  **Insurance status, %:**  NR  **Parity, %:**  NR  **Partner status, n (%):**  Currently single  **G1:** 33 (89.2)  **G2:** 25 (89.3)  **G3:**23 (76.7)  **Partner smoking status, %:**  NR  **Race/ethnicity, n (%):**  Caucasian  **G1:** 23 (54.8)  **G2:** 22 (78.6)  **G3:**21 (65.6)  African American/other  **G1:** 19 (45.2)  **G2:** 6 (21.4)  **G3:** 11 (34.4)  **Socioeconomic status:**  Unemployed  **G1:** 35 (94.6)  **G2:** 27 (96.4)  **G3:**28 (93.3)  **Smoking history:**  **Nicotine use in last 30 days, mean days ± SD:**  **G1:** 28.7 ± 5.9  **G2:** 30.0 ± 0.2  **G3:** 29.1 ± 5.1 | **Maternal smoking status**  Number of cigarettes per day in past 30 days, mean ± SD:  **G1:** 17.1 ± 10.0  **G2:** 19.1 ± 7.9  **G3:** 17.9 ± 7.4  Expired carbon monoxide, mean ppm ± SD:  **G1:** 12.1  **G2:** NR  **G3:** NR  Urinary cotinine, mean ng/ml ± SD:  **NR** | **Maternal smoking status**  Abstinence (exhaled CO < 4 ppm) at 12 weeks, %  **G1:** 31  **G2:** 0  **G3:** 0  Expired carbon monoxide, mean ppm ± SD:  **G1:** 4.0 ± 5.5  **G2:** 8.7 ± 2.8  **G3:** 8.4 ± 4.2  Relapse:  NR  **Child/infant outcomes**  Gestational age at delivery, mean weeks ± SD:  **G1:** 37.9 ± 3.6  **G2:** 37.0 ± 3.0  **G3:** 37.8 ± 2.7  **G1 vs. G2 vs. G3:** p=0.601  Preterm birth, %  **G1:** 16.7  **G2:** 35.3  **G3:** 28.6  **G1 vs. G2 vs. G3:** p=0.330  Birthweight, mean grams ± SD:  **G1:** 2863.3 ± 694.3  **G2:** 2695.6 ± 656.9  **G3:** 2701.3 ± 598.3  **G1 vs.** **G2 vs. G3:** p=0.597  Low birthweight (<2500 grams), %:  **G1:** 20.0  **G2:** 37.5  **G3:** 42.9  **G1 vs. G2 vs. G3:** p=0.186  NICU admission, %:  **G1:** 46.7  **G2:** 50.0  **G3:** 61.9  **G1** **vs.** **G2 vs. G3:** p=0.551  **Adverse events:**  NR | **Overall quality:**  Poor  **Risk of bias**  Randomization:  Unclear  Allocation concealment:  Unclear  Selective reporting:  Low  Blinding patients/personnel:  Low  Blinding outcome assessment:  Low  Incomplete outcome reporting:  High  Other:  Low |