**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 toJanuary 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 deliveryWeek 1: any reductionWeeks 2-4: 10% reductionWeeks 5-7: 25% reductionWeeks 8-9: 50% reductionWeeks 10-11: 75% reductionWeek 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 $41.50NCBI: 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 ± 7.4Expired carbon monoxide, mean ppm ± SD:**G1:** 12.1**G2:** NR**G3:** NRUrinary cotinine, mean ng/ml ± SD:**NR** | **Maternal smoking status**Abstinence (exhaled CO < 4 ppm) at 12 weeks, %**G1:** 31**G2:** 0**G3:** 0Expired carbon monoxide, mean ppm ± SD:**G1:** 4.0 ± 5.5**G2:** 8.7 ± 2.8**G3:** 8.4 ± 4.2Relapse: 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=0.601Preterm birth, %**G1:** 16.7**G2:** 35.3**G3:** 28.6**G1 vs. G2 vs. G3:** p=0.330Birthweight, mean grams ± SD:**G1:** 2863.3 ± 694.3**G2:** 2695.6 ± 656.9**G3:** 2701.3 ± 598.3**G1 vs.** **G2 vs. G3:** p=0.597Low birthweight (<2500 grams), %:**G1:** 20.0**G2:** 37.5**G3:** 42.9**G1 vs. G2 vs. G3:** p=0.186NICU 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:UnclearAllocation concealment:UnclearSelective reporting:LowBlinding patients/personnel:LowBlinding outcome assessment:LowIncomplete outcome reporting:HighOther:Low |