**Table H14. Evidence table (Reference ID# 337)**

| Study Description | Intervention(s)/ Comparator(s) | Patient Population | Baseline Measure(s) | Outcome Measure(s) | Quality |
| --- | --- | --- | --- | --- | --- |
| **Author:**  Heil et al., 2008  **Country:**  USA  **Enrollment period:**  NR  **Setting:**  University based research clinic  **Funding:**  Grant  **Author industry relationship disclosures:**  NR  **Study Design:**  RCT  **Blinding:**  None | **Intervention:**  Contingent vouchersredeemable for retail items earned contingent on breath CO specimen ≤ 6 ppm during initial 5 days, then based on urine cotinine ≤80 ng/ml thereafter (starting amount $6.25 increased by $1.25 for each consecutive negative specimen up to maximum $45)  **Intervention provider:**  Study staff  **Intervention setting:**  NR  **Comparator:**  Non-contingent voucher ($15/visit antepartum, $20/visit postpartum regardless of smoking status)  **Followup:**  24 weeks postpartum  **Groups:**  **G1:** Contingent voucher  **G2:** Non-contingent voucher | **Inclusion criteria:**   * Self-reported smoking at a prenatal visit * Gestational age ≤ 20 weeks * Reside within county where study clinic located and plans to remain in area for 6 months post delivery * English speaking   **Exclusion criteria:**   * Incarceration * Previous participation in study or resides with previous study participant   **Enrollment, n:**  **G1:** 40  **G2:** 42  **Followup, n:**  **G1:** 37  **G2:** 40  **Age, mean years ± SD:**  **G1:** 25.3 ± 6.1  **G2:** 23.4 ± 4.1  **Education, mean years ± SD:**  **G1:** 11.9 ± 2.6  **G2:** 11.8 ± 1.9  **Gestation, mean weeks ± SD:**  **G1:** 8.9 ± 2.7  **G2:** 9.5 ± 3.6  **Insurance status, %:**  Private  **G1:** 19  **G2:** 13  **Parity, %:**  First pregnancy  **G1:** 54  **G2:** 45  **Partner status, %:**  Married  **G1:** 14  **G2:** 23  **Partner smoking status, %:**  Living with smoker  **G1:** 73  **G2:** 85  **Race/ethnicity, %:**  Caucasian  **G1:** 89  **G2:** 98  **Socioeconomic status:**  NR  **Smoking history:**  Pre-pregnancy cigarettes per day, mean number ± SD  **G1:** 18.7 ± 8.9  **G2:** 18.4 ± 6.5  Started smoking, mean age ± SD  **G1:** 13.9 ± 2.4  **G2:** 14.0 ± 2.8 | **Maternal smoking status**  Number of cigarettes per day in past 7 days, mean ± SD:  **G1:** 7.9 ± 5.6  **G2:** 9.5 ± 5.9  Expired carbon monoxide, mean ppm ± SD:  **G1:** 10.1 ± 5.6  **G2:** 11.9 ± 6.6  Urinary cotinine, mean ng/ml ± SD:  **G1:** 943.4 ± 562.3  **G2:** 1000.5 ± 590.4 | **Maternal smoking status**  Abstinence at end of pregnancy, %  **G1:** 41  **G2:** 10  **G1 vs. G2:** p=0.003  Abstinence at 12 weeks postpartum, %  **G1:** 24  **G2:** 3  **G1 vs. G2:** p=0.006  Abstinence at 24 weeks postpartum, %:  **G1:** 8  **G2:** 3  **G1 vs. G2:** p=NS  Relapse:  NR  **Child/infant outcomes**  **G1:** n=34  **G2:** n=39  Gestational age at delivery, mean weeks ± SD:  **G1:** 39.1 ± 0.4  **G2:** 38.5 ± 0.3  **G1 vs. G2:** p=0.27  Preterm birth, %  **G1:** 9  **G2:** 23  **G1 vs. G2:** p=0.10  Birthweight, mean grams ± SD:  **G1:** 3355 ± 96  **G2:** 3102 ± 89  **G1 vs.** **G2:** p=0.06  Low birthweight, %:  **G1:** 9  **G2:** 21  **G1 vs. G2:** p=0.16  NICU admission, %:  **G1:** 12  **G2:** 15  **G1** **vs.** **G2:** p=0.74  **Adverse events:**  NR | **Overall quality:**  Fair  **Risk of bias**  Randomization:  Low  Allocation concealment:  Unclear  Selective reporting:  Low  Blinding patients/personnel:  Low  Blinding outcome assessment:  Low  Incomplete outcome reporting:  Low  Other:  Low |