**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 ± 6.5Started 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 ± 5.9Expired carbon monoxide, mean ppm ± SD:**G1:** 10.1 ± 5.6**G2:** 11.9 ± 6.6Urinary 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=0.003Abstinence at 12 weeks postpartum, %**G1:** 24**G2:** 3**G1 vs. G2:** p=0.006Abstinence at 24 weeks postpartum, %:**G1:** 8**G2:** 3**G1 vs. G2:** p=NSRelapse: NR**Child/infant outcomes****G1:** n=34**G2:** n=39Gestational age at delivery, mean weeks ± SD:**G1:** 39.1 ± 0.4**G2:** 38.5 ± 0.3**G1 vs. G2:** p=0.27Preterm birth, %**G1:** 9**G2:** 23**G1 vs. G2:** p=0.10Birthweight, mean grams ± SD:**G1:** 3355 ± 96**G2:** 3102 ± 89**G1 vs.** **G2:** p=0.06Low birthweight, %:**G1:** 9**G2:** 21**G1 vs. G2:** p=0.16NICU admission, %:**G1:** 12**G2:** 15**G1** **vs.** **G2:** p=0.74**Adverse events:**NR | **Overall quality:**Fair**Risk of bias**Randomization:LowAllocation concealment:UnclearSelective reporting:LowBlinding patients/personnel:LowBlinding outcome assessment:LowIncomplete outcome reporting:LowOther:Low  |