**Title:** Maternal Cyclobenzaprine Exposure and Risk of Birth Defects in the National Birth Defects Prevention Study (1997-2011) and Birth Defects Study to Evaluate Pregnancy Exposures (2014-2018)

**Supplemental Material**

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| Supplemental Table 1. Association between early pregnancy cyclobenzaprine use and select birth defects, by study, National Birth Defects Prevention Study (1997-2011) and Birth Defects Study to Evaluate Pregnancy exposureS (2014-2018). |
|  | NBDPS (1997-2011) | BD-STEPS (2014-2018) |
| Birth Defect | Exp | Unexp | OR (95% CI) | Exp | Unexp | OR (95% CI) |
| Controls | 5 | 11824 | 1.00 | 4 | 1277 | 1.00 |
| Cleft palate | 5 | 1616 | 7.24 (2.09, 25.02) | 1 | 232 | - |
| Cleft lip, with or without cleft palate | 2 | 3142 | - | 4 | 406 | 3.14 (0.78, 12.61) |
| Anorectal atresia or stenosis\* | 3 | 1090 | 6.91 (1.67, 28.65) |  |  |  |
| d-Transposition of the great arteries | 4 | 777 | 12.44 (3.34, 46.3) | 0 | 112 | - |
| Coarctation of the aorta | 4 | 1190 | 8.14 (2.19, 30.29) | 1 | 165 | - |
| Pulmonary valve stenosis\* | 3 | 1588 | 4.55 (1.10, 18.87) |  |  |  |
| Secundum atrial septal defect\* | 4 | 3140 | 3.08 (0.83, 11.45) |   |   |   |
| Abbreviations: NBDPS, National Birth Defects Prevention Study; BD-STEPS, Birth Defects Study to Evaluate Pregnancy exposureS; Exp, exposed; Unexp, unexposed; OR, odds ratio; CI, confidence interval\*Anorectal atresia/stenosis, pulmonary valve stenosis, and secundum atrial septal defect were not collected in BD-STEPS. |