Supplementary Table S8. Summary of BDE-47 Concentration (Median) and TSH (GM ± GSD), Total T4 (*M* ± SD), and Free T4 (*M* ± *SD*) Levels Measured in Maternal,[a] Cord, Infant, or Child Blood by Nine North American Birth Cohort Studies

Study first author (reference)	*N*[b]	*BDE-47 sample (age, years)*	*BDE-47 (ng/g lipid)*	*Thyroid sample (age, years)*	*TSH (μIU/mL)*	*Total T4 (μg/dL)*	*Free T4 (ng/dL)*
Chevrier 2010 (S1)	270	Maternal blood	15.0	Maternal blood	1.2 ± 1.7	10.7 ± 1.6	0.8 ± 0.2
Stapleton 2011 (S2)	136	Maternal blood	18.9	Maternal blood	1.3	6.1[c]	0.7[d]
Vuong 2015 (S3)	187	Maternal blood	19.1	Maternal blood	1.2 ± 2.2	10.3 ± 1.9	0.7 ± 0.1
Abdelouahab 2013[c] (S4)	380	Maternal blood	21.5	Maternal blood	1.4 ± 0.8	9.1 ± 2.2	1.1 ± 0.1
Abdelouahab 2013[c] (S4)	260	Maternal blood	21.5	Maternal blood[e]	2.2 ± 1.2	8.9 ± 1.9	0.8 ± 0.1
Abdelouahab 2013[c] (S4)	260	Maternal blood	21.5	Cord blood	9.4 ± 6.2	9.0 ± 1.7	1.0 ± 0.1
Vuong 2015 (S3)	256	Maternal blood	19.1	Cord blood	7.1 ± 1.8	9.6 ± 1.8	1.0 ± 0.2
Herbstman 2008 (S5)	286	Cord blood	13.8	Cord blood	6.7 ± 1.9	10.5 ± 2.2	1.1 ± 0.2
Herbstman 2008 (S5)	265	Cord blood	13.8	Infant blood	NA	19.0 ± 5.0	NA
Herbstman 2008 (S5)	139	Cord blood	13.8	Infant blood	NA	15.2 ± 3.9	NA
Chevrier 2011 (S6)	288	Maternal blood	15.2	Infant blood	5.7 ± 1.8	NA	NA
Jacobson 2016 (S7)	80	Child blood (1–5 years)	36.2	Child blood (1–5 years)	1.6	9.0	1.0
Vuong 2018 (S8)	142	Maternal blood	19.5	Child blood (3 years)	2.0 ± 1.6	8.8 ± 1.2	0.9 ± 0.1
Vuong 2018 (S8)	142	Child blood (2 years)	58.6	Child blood (3 years)	2.0 ± 1.6	8.8 ± 1.2	0.9 ± 0.1
Cowell 2019	205	Cord blood	11.8	Child blood (3–5 years)	2.2 ± 0.1	11.1 ± 2.2	1.4 ± 0.2
Cowell 2019	205	Child blood (2–3 years)	40.4	Child blood (3–5 years)	2.2 ± 0.1	11.1 ± 2.2	1.4 ± 0.2

[a]Collected during pregnancy.
[b]Sample size refers to the subset of participants included in manuscript analyses.
[c]Total T4 converted to μg/dL using nmol/L × 0.078.
[d]Free T4 converted to ng/dL using pmol/L × 0.078.
[e]Measured during delivery.

Supplementary References

S1. Chevrier J, Harley KG, Bradman A, Gharbi M, Sjodin A, Eskenazi B 2010 Polybrominated diphenyl ether (PBDE) flame retardants and thyroid hormone during pregnancy. Environ Health Perspect **118:**1444–1449.

S2. Stapleton HM, Eagle S, Anthopolos R, Wolkin A, Miranda ML 2011 Associations between polybrominated diphenyl ether (PBDE) flame retardants, phenolic metabolites, and thyroid hormones during pregnancy. Environ Health Perspect **119:**1454–1459.

S3. Vuong AM, Webster GM, Romano ME, Braun JM, Zoeller RT, Hoofnagle AN, Sjodin A, Yolton K, Lanphear BP, Chen A 2015 Maternal polybrominated diphenyl ether (PBDE) exposure and thyroid hormones in maternal and cord sera: the HOME Study, Cincinnati, USA. Environ Health Perspect **123:**1079–1085.

S4. Abdelouahab N, Langlois MF, Lavoie L, Corbin F, Pasquier JC, Takser L 2013 Maternal and cord-blood thyroid hormone levels and exposure to polybrominated diphenyl ethers and polychlorinated biphenyls during early pregnancy. Am J Epidemiol **178:**701–713.

S5. Herbstman JB, Sjodin A, Apelberg BJ, Witter FR, Halden RU, Patterson DG, Panny SR, Needham LL, Goldman LR 2008 Birth delivery mode modifies the associations between prenatal polychlorinated biphenyl (PCB) and polybrominated diphenyl ether (PBDE) and neonatal thyroid hormone levels. Environ Health Perspect **116:**1376–1382.

S6. Chevrier J, Harley KG, Bradman A, Sjodin A, Eskenazi B 2011 Prenatal exposure to polybrominated diphenyl ether flame retardants and neonatal thyroid-stimulating hormone levels in the CHAMACOS study. Am J Epidemiol **174:**1166–1174.

S7. Jacobson MH, Barr DB, Marcus M, Muir M, Muir AB, Lyles RH, Howards PP, Pardo L, Darrow LA 2016 Serum polybrominated diphenyl ether concentrations and thyroid function in young children. Environ Res **149:** 222–230.

S8. Vuong A, Braun JM, Webster GM, Zoeller RT, Hoofnagle, AN, Sjodin A, Yolton K, Lanphear BP, Chen A 2018 Polybrominated diphenyl ether (PBDE) exposures and thyroid hormones in children at age 3 years. Environ Int **117:**339–347.