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Supplemental Material

Lactational Exposure to Polybrominated Diphenyl Ethers and Its Relation to Early Childhood Anthropometric Measurements

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Table S1: Mean difference estimates and 95% confidence intervals by quartile of PBDE congener for WAZ, adjusted for adjusting for age (age and age²), maternal age (≤ 25 years, 26-30 years, 31-35 years, and ≥ 36 years), race (white vs. non-white), pre-pregnancy BMI (< 25 , 25-30, and ≥ 30), parity (0 vs. 1+), smoking during pregnancy (yes vs. no), and breastfeeding status (current, within the last 2 months, and no longer breastfeeding).

Table S2: Mean difference estimates and 95% confidence intervals by quartile of PBDE congener for HAZ, adjusted for adjusting for age (age and age²), maternal age (≤ 25 years, 26-30 years, 31-35 years, and ≥ 36 years), race (white vs. non-white), pre-pregnancy BMI (< 25 , 25-30, and ≥ 30), parity (0 vs. 1+), smoking during pregnancy (yes vs. no), and breastfeeding status (current, within the last 2 months, and no longer breastfeeding).

Table S3: Mean difference estimates and 95% confidence intervals by quartile of PBDE congener for WHZ, adjusted for adjusting for age (age and age²), maternal age (≤ 25 years, 26-30 years, 31-35 years, and ≥ 36 years), race (white vs. non-white), pre-pregnancy BMI (< 25 , 25-30, and ≥ 30), parity (0 vs. 1+), smoking during pregnancy (yes vs. no), and breastfeeding status (current, within the last 2 months, and no longer breastfeeding).

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| | | WAZ | | |
|----------------|---------|---------------------|---------------------|---------------------|
| | | Combined | Males | Females |
| BDE 28 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.22 (-0.54, 0.11) | -0.15 (-0.62, 0.31) | -0.24 (-0.69, 0.21) |
| | 50–75th | -0.06 (-0.39, 0.27) | -0.09 (-0.58, 0.40) | -0.02 (-0.48, 0.45) |
| | >75th | -0.09 (-0.41, 0.23) | -0.32 (-0.78, 0.14) | 0.20 (-0.26, 0.66) |
| BDE 47 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.05 (-0.37, 0.27) | -0.18 (-0.63, 0.28) | 0.05 (-0.42, 0.52) |
| | 50–75th | -0.12 (-0.44, 0.20) | -0.24 (-0.71, 0.22) | 0.04 (-0.40, 0.48) |
| | >75th | 0.05 (-0.27, 0.37) | -0.18 (-0.65, 0.28) | 0.31 (-0.15, 0.77) |
| BDE 99 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.20 (-0.51, 0.12) | -0.19 (-0.64, 0.26) | -0.25 (-0.71, 0.21) |
| | 50–75th | -0.20 (-0.53, 0.12) | -0.38 (-0.88, 0.13) | -0.05 (-0.49, 0.38) |
| | >75th | 0.07 (-0.24, 0.39) | 0.01 (-0.43, 0.45) | 0.12 (-0.34, 0.58) |
| BDE 100 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.15 (-0.47, 0.17) | -0.20 (-0.65, 0.25) | -0.06 (-0.52, 0.40) |
| | 50–75th | 0.11 (-0.21, 0.44) | -0.08 (-0.56, 0.40) | 0.30 (-0.16, 0.75) |
| | >75th | -0.08 (-0.41, 0.24) | -0.25 (-0.71, 0.22) | 0.14 (-0.33, 0.62) |
| BDE 153 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.08 (-0.42, 0.26) | -0.09 (-0.57, 0.40) | -0.05 (-0.55, 0.45) |
| | 50–75th | -0.02 (-0.34, 0.3) | 0.21 (-0.27, 0.69) | -0.29 (-0.76, 0.18) |
| | >75th | -0.20 (-0.52, 0.13) | -0.21 (-0.70, 0.29) | -0.24 (-0.69, 0.22) |

Table S2: Mean difference estimates and 95% confidence intervals by quartile of PBDE congener for HAZ, adjusted for adjusting for age (age and age²), maternal age (<=25 years, 26-30 years, 31-35 years, and ≥36 years), race (white vs. non-white), pre-pregnancy BMI (<25, 25-30, and ≥30), parity (0 vs. 1+), smoking during pregnancy (yes vs. no), and breastfeeding status (current, within the last 2 months, and no longer breastfeeding).

| | | HAZ | | |
|----------------|---------|---------------------|---------------------|---------------------|
| | | Combined | Males | Females |
| BDE 28 | <25th | Reference | Reference | Reference |
| | 25–50th | 0.02 (-0.26, 0.29) | 0.19 (-0.19, 0.57) | -0.24 (-0.62, 0.15) |
| | 50–75th | -0.07 (-0.35, 0.21) | -0.09 (-0.48, 0.30) | -0.19 (-0.59, 0.21) |
| | >75th | 0.13 (-0.14, 0.41) | 0.12 (-0.25, 0.49) | 0.05 (-0.34, 0.44) |
| BDE 47 | <25th | Reference | Reference | Reference |
| | 25–50th | 0 (-0.27, 0.27) | 0.19 (-0.18, 0.55) | -0.28 (-0.68, 0.12) |
| | 50–75th | -0.04 (-0.31, 0.23) | 0.00 (-0.38, 0.37) | -0.15 (-0.52, 0.23) |
| | >75th | 0.13 (-0.14, 0.41) | 0.19 (-0.18, 0.57) | 0.03 (-0.37, 0.42) |
| BDE 99 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.03 (-0.3, 0.23) | 0.19 (-0.17, 0.55) | -0.33 (-0.72, 0.06) |
| | 50–75th | -0.16 (-0.44, 0.11) | -0.21 (-0.62, 0.19) | -0.22 (-0.59, 0.15) |
| | >75th | 0.11 (-0.16, 0.38) | 0.22 (-0.13, 0.58) | -0.07 (-0.46, 0.32) |
| BDE 100 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.07 (-0.34, 0.2) | 0.00 (-0.37, 0.37) | -0.14 (-0.54, 0.25) |
| | 50–75th | 0.04 (-0.23, 0.32) | -0.10 (-0.49, 0.29) | 0.08 (-0.31, 0.47) |
| | >75th | 0.02 (-0.26, 0.30) | 0.02 (-0.36, 0.40) | 0.08 (-0.33, 0.48) |
| BDE 153 | <25th | Reference | Reference | Reference |
| | 25–50th | 0.07 (-0.21, 0.36) | 0.06 (-0.33, 0.45) | 0.07 (-0.36, 0.50) |
| | 50–75th | 0.13 (-0.15, 0.40) | 0.25 (-0.14, 0.64) | 0.00 (-0.40, 0.40) |
| | >75th | 0.06 (-0.21, 0.34) | -0.04 (-0.44, 0.35) | 0.19 (-0.20, 0.57) |

Table S3: Mean difference estimates and 95% confidence intervals by quartile of PBDE congener for WHZ, adjusted for adjusting for age (age and age²), maternal age (<=25 years, 26-30 years, 31-35 years, and ≥36 years), race (white vs. non-white), pre-pregnancy BMI (<25, 25-30, and ≥30), parity (0 vs. 1+), smoking during pregnancy (yes vs. no), and breastfeeding status (current, within the last 2 months, and no longer breastfeeding).

| | | WHZ | | |
|---------|---------|----------------------|----------------------|---------------------|
| | | Combined | Males | Females |
| BDE 28 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.38 (-0.72, -0.04) | -0.42 (-0.88, 0.05) | -0.22 (-0.73, 0.29) |
| | 50–75th | -0.02 (-0.37, 0.32) | 0.04 (-0.45, 0.53) | 0.05 (-0.47, 0.57) |
| | >75th | -0.28 (-0.62, 0.06) | -0.58 (-1.04, -0.13) | 0.19 (-0.33, 0.70) |
| BDE 47 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.13 (-0.47, 0.21) | -0.43 (-0.89, 0.03) | 0.27 (-0.25, 0.79) |
| | 50–75th | -0.14 (-0.48, 0.20) | -0.30 (-0.77, 0.18) | 0.14 (-0.36, 0.63) |
| | >75th | -0.06 (-0.41, 0.28) | -0.45 (-0.92, 0.03) | 0.43 (-0.09, 0.94) |
| BDE 99 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.29 (-0.63, 0.04) | -0.47 (-0.93, -0.01) | -0.07 (-0.59, 0.44) |
| | 50–75th | -0.18 (-0.53, 0.16) | -0.35 (-0.87, 0.17) | 0.07 (-0.42, 0.56) |
| | >75th | -0.02 (-0.35, 0.32) | -0.22 (-0.67, 0.24) | 0.23 (-0.28, 0.75) |
| BDE 100 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.09 (-0.43, 0.25) | -0.21 (-0.68, 0.25) | 0.11 (-0.41, 0.63) |
| | 50–75th | 0.09 (-0.26, 0.43) | 0.01 (-0.47, 0.49) | 0.29 (-0.23, 0.81) |
| | >75th | -0.12 (-0.47, 0.23) | -0.37 (-0.84, 0.10) | 0.22 (-0.31, 0.75) |
| BDE 153 | <25th | Reference | Reference | Reference |
| | 25–50th | -0.18 (-0.53, 0.18) | -0.21 (-0.71, 0.29) | -0.09 (-0.64, 0.45) |
| | 50–75th | -0.15 (-0.49, 0.19) | 0.08 (-0.41, 0.57) | -0.48 (-0.99, 0.04) |
| | >75th | -0.39 (-0.74, -0.04) | -0.35 (-0.85, 0.16) | -0.47 (-0.96, 0.03) |