**Supplemental Material**

**Longitudinal Association of Biomarkers of Pesticide Exposure with Cardiovascular Disease Risk Factors in Youth with Diabetes**

Navdep Kaur,1 Anne P. Starling,2 Antonia M. Calafat,3 Andreas Sjodin,3 Noemie Clouet-Foraison,4 Lawrence M. Dolan,5 Giuseppina Imperatore,6 Elizabeth T. Jensen,7 Jean M Lawrence,8 Maria Ospina,3 Catherine Pihoker,9 Kyla Taylor,10 Christine Turley,11 Dana Dabelea,2 Lindsay M. Jaacks1

1Department of Global Health and Population, Harvard T.H. Chan School of Public Health, Boston, MA, USA

2Department of Epidemiology, Colorado School of Public Health, Aurora, CO, USA

3Division of Laboratory Sciences, Centers for Disease Control and Prevention, Atlanta, GA, USA

4Northwest Lipid Metabolism and Diabetes Research Laboratory, Division of Metabolism, Endocrinology, and Nutrition, Department of Medicine, University of Washington, Seattle, WA, USA.

5Division of Endocrinology, Department of Pediatrics, University of Cincinnati, College of Medicine, Cincinnati, OH, USA

6Division of Diabetes Translation, Centers for Disease Control and Prevention (CDC), National Center for Chronic Disease Prevention and Health Promotion, Atlanta, Georgia

7Wake Forest School of Medicine, Winston-Salem, NC, USA

8Department of Research & Evaluation, Kaiser Permanente Southern California, Pasadena CA, USA

9Department of Pediatrics, University of Washington, Seattle, WA, USA

10Office of Health Assessment and Translation, National Toxicology Program, National Institute of Environmental Health Sciences, Durham, NC, USA

11Department of Pediatrics, University of South Carolina School of Medicine, Columbia, SC, USA

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| **Table S1.** Summary of baseline characteristics of selected youth with type 1 and type 2 diabetes from the SEARCH for Diabetes in Youth Study (n=87). | |
|  | **N(%) or mean (SD)** |
| **Female** | 45 (51.7) |
| **Age at Baseline Visit** (years) | 14.2 (2.7) |
| **Age at Diagnosis** (years) | 13.3 (2.8) |
| **Ethnicity** |  |
| Hispanic | 13 (14.9) |
| Non-Hispanic | 74 (85.1) |
| **Race** |  |
| Non-white | 35 (40.2) |
| White | 52 (59.8) |
| **Provider-Diagnosed Diabetes Type** |  |
| Type 1 | 50 (57.5) |
| Type 2 | 37 (42.5) |
| **Annual Household Income** |  |
| <$25K | 28 (32.2) |
| $25-74K | 27 (31.0) |
| $75K+ | 24 (27.6) |
| Don’t know/Refuse | 6 (6.9) |
| Missing | 2 (2.3) |
| **Highest Level of Education of Either Parent** |  |
| <High School | 7 (8.1) |
| High School | 25 (28.7) |
| Some College to Associate’s Degree | 31 (35.6) |
| Bachelor’s Degree or more | 23 (26.4) |
| Missing | 1 (1.2) |

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| **Figure S1.** Within-participant change in concentration of 2,4-dichlorophenoxyacetic acid (2,4-D) among participating youth with type 1 and type 2 diabetes in the United States (n=87). |

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| **Figure S2.** Within-participant change in concentration of 3,5,6-trichloro-2-pyridinol (TCPY) among participating youth with type 1 and type 2 diabetes in the United States (n=74). |

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| **Figure S3.** Within-participant change in concentration of 4-nitrophenol among participating youth with type 1 and type 2 diabetes in the United States (n=84). |

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| **Figure S4.** Within-participant change in concentration of 3-phenoxybenzoic acid (3-PBA) among participating youth with type 1 and type 2 diabetes in the United States (n=84). |

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| **Figure S5.** Within-participant change in concentration of 2,2-bis(4-chlorophenyl)-1,1-dichloroethene (p,p-DDE) among participating youth with type 1 and type 2 diabetes in the United States (n=85). |

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| **Figure S6.** Within-participant change in concentration of hexachlorobenzene (HCB) among participating youth with type 1 and type 2 diabetes in the United States (n=87). |

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| **Figure S7.** Within-participant change in concentration of trans-nonachlor among participating youth with type 1 and type 2 diabetes in the United States (n=87). |

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| **Table S2.** Baseline characteristics of participating youth with type 1 and type 2 diabetes in the United States (n=87) according to quartile of 2,4-dichlorophenoxyacetic acid (2,4-D). | | | | | |
|  | Baseline 2,4-D Quartile | | | | *p*-value1 |
| 1 | 2 | 3 | 4 |
| **GM (95% CI) (µg/g creatinine)** | <LOD | 0.18 (0.17-0.20) | 0.30 (0.28-0.33) | 0.72 (0.57-0.89) |  |
| **Sex** |  |  |  |  | 0.95 |
| Female | 11 (50%) | 11 (50%) | 11 (50%) | 12 (57%) |  |
| Male | 11 (50%) | 11 (50%) | 11 (50%) | 9 (43%) |  |
| **Age** (years) | 15.17 (12.63, 17.02) | 12.72 (11.19, 16.11) | 12.86 (11.38, 16.13) | 13.66 (12.21, 15.94) | 0.14 |
| **Age at Diagnosis** (years) | 13.99 (11.94, 16.43) | 12.53 (10.07, 15.38) | 12.13 (10.51, 15.62) | 13.23 (11.07, 15.20) | 0.26 |
| **Ethnicity** |  |  |  |  | 0.45 |
| Hispanic | 4 (18%) | 3 (14%) | 5 (23%) | 1 (5%) |  |
| Non-Hispanic | 18 (82%) | 19 (86%) | 17 (77%) | 20 (95%) |  |
| **Race** |  |  |  |  | 0.12 |
| Non-white | 11 (50%) | 5 (23%) | 12 (55%) | 7 (33%) |  |
| White | 11 (50%) | 17 (77%) | 10 (45%) | 14 (67%) |  |
| **Provider-Diagnosed Diabetes Type** |  |  |  |  | 0.40 |
| Type 1 | 10 (45%) | 12 (55%) | 13 (59%) | 15 (71%) |  |
| Type 2 | 12 (55%) | 10 (45%) | 9 (41%) | 6 (29%) |  |
| **Annual Household Income** |  |  |  |  | 0.32 |
| <$25K | 6 (29%) | 10 (45%) | 5 (23%) | 7 (35%) |  |
| $25-74K | 7 (33%) | 9 (41%) | 7 (32%) | 4 (20%) |  |
| $75K+ | 5 (24%) | 3 (14%) | 9 (41%) | 7 (35%) |  |
| Don’t know/Refuse | 3 (14%) | 0 (0%) | 1 (5%) | 2 (10%) |  |
| **Highest Level of Education of Either Parent** |  |  |  |  | 0.56 |
| <High School | 2 (9%) | 2 (9%) | 1 (5%) | 2 (10%) |  |
| High School | 9 (41%) | 6 (27%) | 6 (27%) | 4 (20%) |  |
| Some College to Associate’s Degree | 7 (32%) | 11 (50%) | 7 (32%) | 6 (30%) |  |
| Bachelor’s Degree or more | 4 (18%) | 3 (14%) | 8 (36%) | 8 (40%) |  |
| Values are n (%) or median (IQR). Limit of detection (LOD) was 0.15 ng/mL.  1 Statistical comparisons were made using Fisher’s exact test for categorical comparisons and Kruskal-Wallis non-parametric tests for continuous comparisons. | | | | | |

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| **Table S3.** Baseline characteristics of participating youth with type 1 and type 2 diabetes in the United States (n=87) according to quartile of 3,5,6-trichloro-2-pyridinol (TCPY). | | | | | |
|  | Baseline TCPY Quartile | | | | *p*-value1 |
| 1 | 2 | 3 | 4 |
| **GM (95% CI) (µg/g creatinine)** | <LOD | 0.83 (0.70-0.99) | 1.64 (1.51-1.78) | 3.63 (3.10-4.24) |  |
| **Sex** |  |  |  |  | 0.63 |
| Female | 12 (60%) | 10 (48%) | 9 (43%) | 12 (60%) |  |
| Male | 8 (40%) | 11 (52%) | 12 (57%) | 8 (40%) |  |
| **Age** (years) | 16.36 (12.53, 17.50) | 14.97 (12.63, 16.63) | 14.07 (12.12, 16.78) | 11.95 (11.00, 13.00) | <0.01 |
| **Age at Diagnosis** (years) | 15.44 (11.93, 16.53) | 14.18 (11.55, 15.84) | 13.11 (10.75, 15.71) | 10.73 (10.32, 12.72) | 0.02 |
| **Ethnicity** |  |  |  |  | 0.19 |
| Hispanic | 2 (10%) | 1 (5%) | 6 (29%) | 2 (10%) |  |
| Non-Hispanic | 18 (90%) | 20 (95%) | 15 (71%) | 18 (90%) |  |
| **Race** |  |  |  |  | 0.57 |
| Non-white | 9 (45%) | 8 (38%) | 9 (43%) | 5 (25%) |  |
| White | 11 (55%) | 13 (62%) | 12 (57%) | 15 (75%) |  |
| **Provider-Diagnosed Diabetes Type** |  |  |  |  | 0.07 |
| Type 1 | 9 (45%) | 10 (48%) | 14 (67%) | 16 (80%) |  |
| Type 2 | 11 (55%) | 11 (52%) | 7 (33%) | 4 (20%) |  |
| **Annual Household Income** |  |  |  |  | 0.08 |
| <$25K | 10 (50%) | 9 (45%) | 3 (14%) | 3 (16%) |  |
| $25-74K | 3 (15%) | 5 (25%) | 9 (43%) | 9 (47%) |  |
| $75K+ | 6 (30%) | 5 (25%) | 6 (29%) | 7 (37%) |  |
| Don’t know/Refuse | 1 (5%) | 1 (5%) | 3 (14%) | 0 (0%) |  |
| **Highest Level of Education of Either Parent** |  |  |  |  | 0.60 |
| <High School | 2 (10%) | 1 (5%) | 3 (14%) | 0 (0%) |  |
| High School | 5 (25%) | 6 (29%) | 6 (29%) | 6 (30%) |  |
| Some College to Associate’s Degree | 8 (40%) | 10 (48%) | 4 (19%) | 8 (40%) |  |
| Bachelor’s Degree or more | 5 (25%) | 4 (19%) | 8 (38%) | 6 (30%) |  |
| Values are n (%) or median (IQR). Limit of detection (LOD) was 0.1 ng/mL.  1 Statistical comparisons were made using Fisher’s exact test for categorical comparisons and Kruskal-Wallis non-parametric tests for continuous comparisons. | | | | | |

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| **Table S4.** Baseline characteristics of participating youth with type 1 and type 2 diabetes in the United States (n=87) according to quartile of 4-nitrophenol. | | | | | |
|  | Baseline 4-nitrophenol Quartile | | | | *p*-value1 |
| 1 | 2 | 3 | 4 |
| **GM (95% CI) (µg/g creatinine)** | <LOD | 0.34 (0.33-0.36) | 0.53 (0.49-0.57) | 1.07 (0.90-1.27) |  |
| **Sex** |  |  |  |  | 0.53 |
| Female | 11 (52%) | 10 (45%) | 9 (43%) | 14 (64%) |  |
| Male | 10 (48%) | 12 (55%) | 12 (57%) | 8 (36%) |  |
| **Age** (years) | 14.29 (12.10, 17.19) | 14.52 (12.12, 16.83) | 13.88 (11.96, 15.89) | 12.60 (11.39, 15.11) | 0.33 |
| **Age at Diagnosis** (years) | 13.31 (10.67, 15.86) | 13.51 (10.75, 16.24) | 12.56 (11.73, 14.67) | 12.13 (10.64, 14.55) | 0.62 |
| **Ethnicity** |  |  |  |  | 0.67 |
| Hispanic | 3 (14%) | 2 (9%) | 3 (14%) | 5 (23%) |  |
| Non-Hispanic | 18 (86%) | 20 (91%) | 18 (86%) | 17 (77%) |  |
| **Race** |  |  |  |  | 0.31 |
| Non-white | 11 (52%) | 9 (41%) | 5 (24%) | 9 (41%) |  |
| White | 10 (48%) | 13 (59%) | 16 (76%) | 13 (59%) |  |
| **Provider-Diagnosed Diabetes Type** |  |  |  |  | 0.42 |
| Type 1 | 9 (43%) | 12 (55%) | 14 (67%) | 14 (64%) |  |
| Type 2 | 12 (57%) | 10 (45%) | 7 (33%) | 8 (36%) |  |
| **Annual Household Income** |  |  |  |  | 0.71 |
| <$25K | 10 (48%) | 6 (27%) | 5 (25%) | 7 (33%) |  |
| $25-74K | 3 (14%) | 9 (41%) | 7 (35%) | 7 (33%) |  |
| $75K+ | 7 (33%) | 5 (23%) | 7 (35%) | 5 (24%) |  |
| Don’t know/Refuse | 1 (5%) | 2 (9%) | 1 (5%) | 2 (10%) |  |
| **Highest Level of Education of Either Parent** |  |  |  |  | 0.29 |
| <High School | 2 (10%) | 1 (5%) | 2 (10%) | 2 (9%) |  |
| High School | 5 (24%) | 5 (23%) | 4 (20%) | 11 (50%) |  |
| Some College to Associate’s Degree | 9 (43%) | 8 (36%) | 10 (50%) | 3 (14%) |  |
| Bachelor’s Degree or more | 5 (24%) | 8 (36%) | 4 (20%) | 6 (27%) |  |
| Values are n (%) or median (IQR). Limit of detection (LOD) was 0.1 ng/mL  1 Statistical comparisons were made using Fisher’s exact test for categorical comparisons and Kruskal-Wallis non-parametric tests for continuous comparisons. | | | | | |

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| **Table S5.** Baseline characteristics of participating youth with type 1 and type 2 diabetes in the United States (n=87) according to quartile of 3-phenoxybenzoic acid (3-PBA). | | | | | |
|  | Baseline 3-PBA Quartile | | | | *p*-value1 |
| 1 | 2 | 3 | 4 |
| **GM (95% CI) (µg/g creatinine)** | <LOD | 0.44 (0.39-0.49) | 0.97 (0.88-1.06) | 3.54 (2.35-5.33) |  |
| **Sex** |  |  |  |  | 0.83 |
| Female | 11 (52%) | 13 (62%) | 10 (48%) | 11 (50%) |  |
| Male | 10 (48%) | 8 (38%) | 11 (52%) | 11 (50%) |  |
| **Age** (years) | 12.97 (12.10, 16.78) | 15.02 (12.12, 17.02) | 14.29 (11.96, 15.62) | 12.84 (11.94, 14.97) | 0.59 |
| **Age at Diagnosis** (years) | 11.98 (10.67, 16.40) | 13.76 (10.75, 16.34) | 13.31 (11.73, 14.88) | 12.09 (10.82, 14.18) | 0.64 |
| **Ethnicity** |  |  |  |  | 0.22 |
| Hispanic | 2 (10%) | 6 (29%) | 2 (10%) | 2 (9%) |  |
| Non-Hispanic | 19 (90%) | 15 (71%) | 19 (90%) | 20 (91%) |  |
| **Race** |  |  |  |  | 0.13 |
| Non-white | 8 (38%) | 13 (62%) | 6 (29%) | 7 (32%) |  |
| White | 13 (62%) | 8 (38%) | 15 (71%) | 15 (68%) |  |
| **Provider-Diagnosed Diabetes Type** |  |  |  |  | 0.47 |
| Type 1 | 11 (52%) | 11 (52%) | 12 (57%) | 16 (73%) |  |
| Type 2 | 10 (48%) | 10 (48%) | 9 (43%) | 6 (27%) |  |
| **Annual Household Income** |  |  |  |  | 0.38 |
| <$25K | 8 (38%) | 7 (35%) | 6 (30%) | 7 (32%) |  |
| $25-74K | 3 (14%) | 9 (45%) | 5 (25%) | 8 (36%) |  |
| $75K+ | 9 (43%) | 2 (10%) | 7 (35%) | 6 (27%) |  |
| Don’t know/Refuse | 1 (5%) | 2 (10%) | 2 (10%) | 1 (5%) |  |
| **Highest Level of Education of Either Parent** |  |  |  |  | 0.29 |
| <High School | 1 (5%) | 3 (14%) | 1 (5%) | 2 (9%) |  |
| High School | 5 (24%) | 5 (24%) | 4 (20%) | 9 (41%) |  |
| Some College to Associate’s Degree | 9 (43%) | 10 (48%) | 9 (45%) | 3 (14%) |  |
| Bachelor’s Degree or more | 6 (29%) | 3 (14%) | 6 (30%) | 8 (36%) |  |
| Values are n (%) or median (IQR). Limit of detection (LOD) was 0.1 ng/mL  1 Statistical comparisons were made using Fisher’s exact test for categorical comparisons and Kruskal-Wallis non-parametric tests for continuous comparisons. | | | | | |

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| **Table S6.** Baseline characteristics of participating youth with type 1 and type 2 diabetes in the United States (n=87) according to quartile of 2,2-bis(4-chlorophenyl)-1,1-dichloroethene (p,p-DDE). | | | | | |
|  | Baseline p,p-DDE Quartile | | | | *p*-value1 |
| 1 | 2 | 3 | 4 |
| **GM (95% CI) (ng/g lipid)** | <LOD | 39.23 (36.65-41.99) | 65.44 (59.37-72.14) | 127.32 (111.67-145.17) |  |
| **Sex** |  |  |  |  | <0.01 |
| Female | 16 (73%) | 15 (71%) | 7 (32%) | 7 (33%) |  |
| Male | 6 (27%) | 6 (29%) | 15 (68%) | 14 (67%) |  |
| **Age** (years) | 13.55 (12.28, 16.59) | 15.02 (12.29, 16.85) | 12.69 (11.38, 16.11) | 14.46 (12.21, 16.01) | 0.50 |
| **Age at Diagnosis** (years) | 12.51 (11.55, 15.58) | 13.76 (10.82, 16.11) | 11.86 (10.57, 15.62) | 13.23 (11.81, 15.20) | 0.82 |
| **Ethnicity** |  |  |  |  | <0.01 |
| Hispanic | 0 (0%) | 2 (10%) | 1 (5%) | 10 (48%) |  |
| Non-Hispanic | 22 (100%) | 19 (90%) | 21 (95%) | 11 (52%) |  |
| **Race** |  |  |  |  | 0.59 |
| Non-white | 9 (41%) | 8 (38%) | 7 (32%) | 11 (52%) |  |
| White | 13 (59%) | 13 (62%) | 15 (68%) | 10 (48%) |  |
| **Provider-Diagnosed Diabetes Type** |  |  |  |  | 0.02 |
| Type 1 | 7 (32%) | 12 (57%) | 17 (77%) | 13 (62%) |  |
| Type 2 | 15 (68%) | 9 (43%) | 5 (23%) | 8 (38%) |  |
| **Annual Household Income** |  |  |  |  | <0.01 |
| <$25K | 10 (45%) | 10 (48%) | 6 (29%) | 2 (10%) |  |
| $25-74K | 10 (45%) | 5 (24%) | 5 (24%) | 7 (35%) |  |
| $75K+ | 2 (9%) | 4 (19%) | 10 (48%) | 7 (35%) |  |
| Don’t know/Refuse | 0 (0%) | 2 (10%) | 0 (0%) | 4 (20%) |  |
| **Highest Level of Education of Either Parent** |  |  |  |  | 0.22 |
| <High School | 2 (9%) | 2 (10%) | 1 (5%) | 2 (10%) |  |
| High School | 9 (41%) | 7 (33%) | 3 (14%) | 6 (29%) |  |
| Some College to Associate’s Degree | 9 (41%) | 7 (33%) | 10 (48%) | 4 (19%) |  |
| Bachelor’s Degree or more | 2 (9%) | 5 (24%) | 7 (33%) | 9 (43%) |  |
| Values are n (%) or median (IQR). The LODs for the persistent pesticides were calculated by adding a recovery standard to each sample. To calculate the sample-specific LOD, the instrumental LOD was adjusted for the absolute recovery of this standard and background noise for the sample. The mean LOD for p,p-DDE it was 2.33 ng/ml.  1 Statistical comparisons were made using Fisher’s exact test for categorical comparisons and Kruskal-Wallis non-parametric tests for continuous comparisons. | | | | | |

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| **Table S7.** Baseline characteristics of participating youth with type 1 and type 2 diabetes in the United States (n=87) according to quartile of hexachlorobenzene (HCB). | | | | | |
|  | Baseline HCB Quartile | | | | *p*-value1 |
| 1 | 2 | 3 | 4 |
| **GM (95% CI) (ng/g lipid)** | <LOD | 5.08 (4.93-5.25) | 6.60 (6.33-6.89) | 9.86 (9.06-10.74) |  |
| **Sex** |  |  |  |  | <0.01 |
| Female | 18 (82%) | 11 (50%) | 12 (55%) | 4 (19%) |  |
| Male | 4 (18%) | 11 (50%) | 10 (45%) | 17 (81%) |  |
| **Age** (years) | 14.99 (12.10, 16.77) | 14.79 (12.29, 16.96) | 13.04 (12.21, 16.78) | 12.21 (11.19, 14.78) | 0.11 |
| **Age at Diagnosis** (years) | 13.83 (11.98, 15.59) | 13.89 (11.07, 16.34) | 12.39 (11.39, 15.58) | 10.86 (10.51, 14.18) | 0.18 |
| **Ethnicity** |  |  |  |  | 0.18 |
| Hispanic | 2 (9%) | 4 (18%) | 6 (27%) | 1 (5%) |  |
| Non-Hispanic | 20 (91%) | 18 (82%) | 16 (73%) | 20 (95%) |  |
| **Race** |  |  |  |  | 0.25 |
| Non-white | 12 (55%) | 9 (41%) | 9 (41%) | 5 (24%) |  |
| White | 10 (45%) | 13 (59%) | 13 (59%) | 16 (76%) |  |
| **Provider-Diagnosed Diabetes Type** |  |  |  |  | <0.01 |
| Type 1 | 8 (36%) | 12 (55%) | 11 (50%) | 19 (90%) |  |
| Type 2 | 14 (64%) | 10 (45%) | 11 (50%) | 2 (10%) |  |
| **Annual Household Income** |  |  |  |  | 0.16 |
| <$25K | 8 (36%) | 9 (45%) | 4 (18%) | 7 (33%) |  |
| $25-74K | 9 (41%) | 4 (20%) | 9 (41%) | 5 (24%) |  |
| $75K+ | 5 (23%) | 4 (20%) | 6 (27%) | 9 (43%) |  |
| Don’t know/Refuse | 0 (0%) | 3 (15%) | 3 (14%) | 0 (0%) |  |
| **Highest Level of Education of Either Parent** |  |  |  |  | 0.36 |
| <High School | 3 (14%) | 2 (9%) | 1 (5%) | 1 (5%) |  |
| High School | 6 (27%) | 9 (41%) | 8 (36%) | 2 (10%) |  |
| Some College to Associate’s Degree | 7 (32%) | 8 (36%) | 8 (36%) | 8 (40%) |  |
| Bachelor’s Degree or more | 6 (27%) | 3 (14%) | 5 (23%) | 9 (45%) |  |
| Values are n (%) or median (IQR). The LODs for the persistent pesticides were calculated by adding a recovery standard to each sample. To calculate the sample-specific LOD, the instrumental LOD was adjusted for the absolute recovery of this standard and background noise for the sample. The mean LOD for HCB was 2.34 ng/ml.  1 Statistical comparisons were made using Fisher’s exact test for categorical comparisons and Kruskal-Wallis non-parametric tests for continuous comparisons. | | | | | |

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| **Table S8.** Baseline characteristics of participating youth with type 1 and type 2 diabetes in the United States (n=87) according to quartile of trans-nonachlor. | | | | | |
|  | Baseline trans-nonachlor Quartile | | | | *p*-value1 |
| 1 | 2 | 3 | 4 |
| **GM (95% CI) (ng/g lipid)** | <LOD | 1.96 (1.88-2.04) | 2.82 (2.63-3.02) | 7.78 (6.00-10.08) |  |
| **Sex** |  |  |  |  | 0.32 |
| Female | 15 (65%) | 10 (43%) | 11 (58%) | 9 (41%) |  |
| Male | 8 (35%) | 13 (57%) | 8 (42%) | 13 (59%) |  |
| **Age** (years) | 16.01 (12.32, 17.19) | 14.07 (12.21, 16.78) | 12.56 (11.39, 14.97) | 12.69 (11.38, 15.11) | 0.02 |
| **Age at Diagnosis** (years) | 15.56 (11.92, 16.40) | 13.23 (11.73, 15.58) | 11.55 (10.49, 13.90) | 12.03 (10.51, 14.55) | 0.04 |
| **Ethnicity** |  |  |  |  | 0.21 |
| Hispanic | 6 (26%) | 4 (17%) | 2 (11%) | 1 (5%) |  |
| Non-Hispanic | 17 (74%) | 19 (83%) | 17 (89%) | 21 (95%) |  |
| **Race** |  |  |  |  | <0.01 |
| Non-white | 14 (61%) | 14 (61%) | 3 (16%) | 4 (18%) |  |
| White | 9 (39%) | 9 (39%) | 16 (84%) | 18 (82%) |  |
| **Provider-Diagnosed Diabetes Type** |  |  |  |  | <0.01 |
| Type 1 | 7 (30%) | 12 (52%) | 14 (74%) | 17 (77%) |  |
| Type 2 | 16 (70%) | 11 (48%) | 5 (26%) | 5 (23%) |  |
| **Annual Household Income** |  |  |  |  | 0.17 |
| <$25K | 10 (43%) | 9 (41%) | 4 (21%) | 5 (24%) |  |
| $25-74K | 8 (35%) | 3 (14%) | 7 (37%) | 9 (43%) |  |
| $75K+ | 3 (13%) | 7 (32%) | 8 (42%) | 6 (29%) |  |
| Don’t know/Refuse | 2 (9%) | 3 (14%) | 0 (0%) | 1 (5%) |  |
| **Highest Level of Education of Either Parent** |  |  |  |  | 0.47 |
| <High School | 3 (13%) | 1 (5%) | 2 (11%) | 1 (5%) |  |
| High School | 8 (35%) | 8 (36%) | 4 (21%) | 5 (23%) |  |
| Some College to Associate’s Degree | 9 (39%) | 5 (23%) | 6 (32%) | 11 (50%) |  |
| Bachelor’s Degree or more | 3 (13%) | 8 (36%) | 7 (37%) | 5 (23%) |  |
| Values are n (%) or median (IQR). The LODs for the persistent pesticides were calculated by adding a recovery standard to each sample. To calculate the sample-specific LOD, the instrumental LOD was adjusted for the absolute recovery of this standard and background noise for the sample. The mean LOD across all samples for trans-nonachlor was 2.34 ng/ml.  1 Statistical comparisons were made using Fisher’s exact test for categorical comparisons and Kruskal-Wallis non-parametric tests for continuous comparisons. | | | | | |