**Supplemental Information**

Table S1. Association between household food insecurity and HbA1c and glycemic control in SEARCH youth and young adults with youth-onset type 2 diabetes

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| --- | --- | --- |
|  | **Model 3**†(n=326) | **Model 4**‡(n=271) |
|  | **Estimate (SE)** | **p-value** | **Estimate (SE)** | **p-value** |
| **Outcome: HbA1c (%)** |  |  |  |  |  |  |
| HFI (dichotomous) | -0.33 (0.34) | 0.33 | -0.51 (0.37) | 0.16 |
| HFI (continuous) | -0.02 (0.08) | 0.75 | -0.07 (0.08) | 0.39 |
|  |  |  |  |  |  |  |
|  | **Odds Ratio** | **CI** | **p-value** | **Odds Ratio** | **CI** | **p-value** |
| **Outcome: Glycemic Control**§ |  |  |  |  |  |  |
| HFI (dichotomous) | 1.02 | 0.61-1.69 | 0.94 | 0.96 | 0.55-1.69 | 0.89 |
| HFI (continuous) | 1.02 | 0.91-1.14 | 0.78 | 1.01 | 0.89-1.15 | 0.87 |

Abbreviations: CI, confidence interval, HFI, household food insecurity, SE, standard error

†Model 3 adjusted for: age, sex, race and ethnicity, parent education, insurance level, clinic, diabetes duration, continuous glucose monitoring use, and medication regimen

‡Model 4 adjusted for: age, sex, race and ethnicity, parent education, insurance level, clinic, diabetes duration, continuous glucose monitoring use, medication regimen, and household income

§Glycemic control categories: optimal (reference), suboptimal, poor

Table S2. Association between household food insecurity and diabetic ketoacidosis and severe hypoglycemia in SEARCH youth and young adults with youth-onset type 2 diabetes

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| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Model 3**†(n=340) |  |  | **Model 4**‡(n=281) |  |
|  | **Odds Ratio** | **Confidence Interval** | **p-value** | **Odds Ratio** | **Confidence Interval** | **p-value** |
| **Outcome: DKA**  |  |  |  |  |  |  |
| HFI (dichotomous)  | 3.08 | 1.18-8.60 | 0.02 | 3.34 | 1.14-9.81 | 0.03 |
| HFI (continuous)  | 1.25 | 1.02-1.53 | 0.03 | 1.27 | 1.01-1.58 | 0.04 |
|  |  | **Model 3**† (n=345) |  |  | **Model 4**‡(n=286) |  |
| **Outcome: Hypoglycemia**  |  |  |  |  |  |  |
| HFI (dichotomous)  | 1.17 | 0.33-4.16 | 0.81 | 2.59 | 0.54-12.37 | 0.23 |
| HFI (continuous)  | 1.09 | 0.83-1.43 | 0.55 | 1.31 | 0.92-1.87 | 0.14 |

Abbreviations: HFI, household food insecurity; DKA, diabetic ketoacidosis

†Model 3 adjusted for: age, sex, race and ethnicity, parent education, insurance level, clinic, diabetes duration, continuous glucose monitoring use, and medication regimen

‡Model 4 adjusted for: age, sex, race and ethnicity, parent education, insurance level, clinic, diabetes duration, continuous glucose monitoring use, medication regimen, and household income