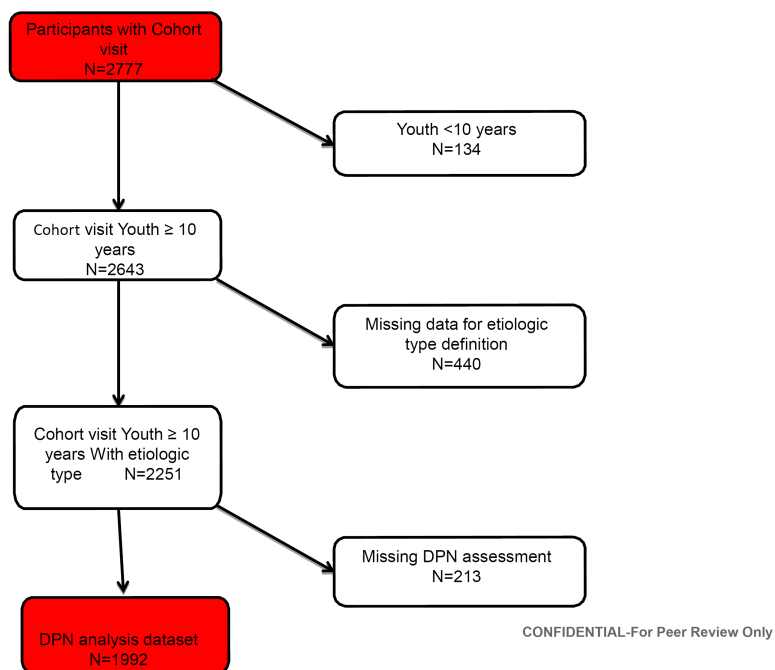


SUPPLEMENTARY DATA

Appendix Figure 1. The study flow chart of the SEARCH for Diabetes in Youth Cohort study



SUPPLEMENTARY DATA

Appendix Table 1. Characteristics of the participants excluded from and included in the DPN analysis dataset

| Variable | Excluded (N=653) | | Included (N=1,992) | | P-value |
|--|------------------|--------------------|--------------------|--------------------|---------|
| | N | Mean (SD) Median | N1 | Mean (SD) Median | |
| Age at Cohort Visit (years) | 653 | 18 (5) 17.8 | 1992 | 18.5 (4.3) 18.5 | 0.01 |
| Age at diagnosis | 644 | 9.2 (4.8) 9.2 | 1977 | 10.5 (4) 10.7 | <0.001 |
| Diabetes Duration in months | 653 | 105.8 (23) 106 | 1992 | 94.4 (22.9) 94 | <0.001 |
| Gender (Female) | 348 | 54.0% | 1029 | 52.1% | 0.38 |
| Provider presumed diabetes type (T2D) | 94 | 14.6% | 249 | 12.6% | 0.20 |
| Hypertension (Yes) | 25 | 5.5% | 56 | 2.8% | 0.003 |
| Race | | | | | 0.001 |
| Non-Hispanic White | 393 | 61.0% | 1383 | 70.0% | |
| Non-Hispanic Black | 127 | 19.7% | 276 | 14.0% | |
| Hispanic | 96 | 14.9% | 258 | 13.1% | |
| Asian Pacifica Islander | 13 | 2.0% | 30 | 1.5% | |
| American Indian | 12 | 1.9% | 24 | 1.2% | |
| Other/Unknown | 3 | 0.5% | 6 | 0.3% | |
| BMI z-score | 313 | 0.6 (1) 0.6 | 1251 | 0.7 (1) 0.7 | 0.04 |
| BMI z-score with 20+ year olds imputed | 446 | 0.7 (1.1) 0.7 | 1992 | 0.8 (1) 0.8 | 0.40 |
| SBP, mm Hg | 451 | 107.6 (13.3) 107.3 | 1992 | 107.9 (11.9) 107.3 | 0.53 |
| DBP, mm Hg | 451 | 68.9 (10.1) 68.7 | 1992 | 69.7 (9.3) 70 | 0.15 |
| HbA1c (%) | 439 | 9.3 (2.1) 9 | 1965 | 9.1 (2) 8.9 | 0.36 |
| HDL-cholesterol (mg/dL) | 427 | 54.5 (15.3) 54 | 1938 | 53.3 (14.2) 52 | 0.16 |
| LDL-cholesterol (mg/dL) | 415 | 98.4 (30.4) 94 | 1898 | 97.5 (29.7) 93.5 | 0.53 |
| Triglycerides (mg/dL) | 415 | 105.5 (108.2) 76 | 1899 | 104.4 (105.1) 79 | 0.84 |

BMI: body mass index, DBP: diastolic blood pressure, DPN: diabetic peripheral neuropathy, HDL: high density lipoprotein, LDL: low density lipoprotein, SBP: systolic blood pressure, T2D: type 2 diabetes;

SUPPLEMENTARY DATA

Appendix Table 2. T2D vs T1D odds of developing DPN adjusted for covariates.

| Dependent variable DPN yes/no | OR (95% CI) | P value |
|---|------------------|----------|
| Unadjusted model | 4.19 (2.93,6.00) | < 0.0001 |
| Model 1: adjusted for age and sex | 2.74 (1.84,4.08) | < 0.0001 |
| Model 2 adjusted for age, sex and AUC HbA1c | 2.76 (1.84,4.14) | < 0.0001 |
| Model 3: adjusted for age, sex, AUC HbA1c, height | 2.99 (1.91,4.67) | < 0.001 |