

The Center for Diabetes Technology seeks adolescents who are between 11 and less than 13 years old, going through puberty, and are living with Type 1 Diabetes for a research study. The purpose of the study is to find out if teenagers going through puberty with Type 1 Diabetes can control their diabetes better by using an Artificial Pancreas (AP) system as compared to performing their usual diabetes care. Your child may be eligible for this study if diagnosed with type 1 diabetes for at least 1 year, using insulin for at least six months, and their A1c is 10.0% or below (tested within the last 6 weeks).

- Participation in this study will last about 2 years
- You and your child will be required to attend a screening visit. There will be about 15 clinic or phone visits. About 10 of these visits can be done from your home, but there are about 4-5 visits that will require you to come to the Clinical Research Unit (CRU) at UVA.
- You and your child will be trained on how to use the study devices, including a CGM and an insulin pump (if assigned).
- If your child currently uses multiple daily injections (MDI) to treat his/her insulin, your child may need to use a study pump during this study.
- Your child will be required to give blood and urine samples.
- Your child will be required to have his/her body composition measured three times. This test will measure the percentages of fat, bone, water and muscle in your child's body.
- You and your child will be required to complete questionnaires about living with diabetes.

Study-related lab tests, study equipment and their associated supplies (e.g. CGM supplies, insulin pump (if assigned) and study phone (if provided) provided free of charge.

Compensation is \$800 for completing the study.

**Contact Information:**

For more information please contact:

- Laura Kollar, RN
- 434-982-6479
- Research Participant Database: <https://med.virginia.edu/diabetes-technology/research/>

**Principal Investigator:** Mark DeBoer, MD (UVA Study Tracking Number: HSR190088)