

# JEDDY Jalk

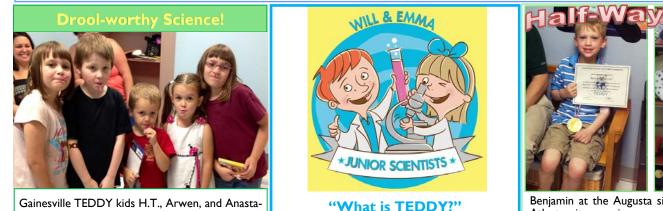


# TEDDY Update: GA, FL & Worldwide!

The TEDDY Study's oldest children will be celebrating their ninth birthday this year. In Georgia/Florida, our youngest ones will be turning four in 2014, meaning most of the children are now on semi-annual visits.

Worldwide, **503** TEDDY children are currently positive for the diabetes autoantibodies against the pancreatic islets: the first sign that the immune system is attacking the body's insulin producing cells. Within our own Georgia/Florida site, **146** children have had a confirmed positive autoantibody test result for diabetes. Worldwide, there have been **154** TEDDY children diagnosed with type I diabetes (TID), and **298** children diagnosed with celiac disease. In Georgia/Florida, **13** children have been diagnosed with type I diabetes, and **21** have been diagnosed with celiac disease. The number of TID cases have doubled this past year with seven diagnosed cases since our last newsletter.

Your continued participation and all the hard work you do moves us closer to an eventual cure or prevention for type I diabetes. Together we make an amazing team!



Gainesville TEDDY kids H.T., Arwen, and Anastasia, with sibs Lakota and Kenny show us how to collect the saliva sample for cortisol levels.

**Looking Ahead!** 

"What is TEDDY?" Jr. Scientists, Will & Emma, explain the study in a story & activity book given at the 6.5 year visit.



Fall/Winter 2013

- Questionnaires for kids, starting about age 9
- Puberty assessment, children 8 and older
- More child involvement in completing the diet record.

ing the half-way mark of the study!

• TEDDY Jr. Scientist book #2

## What's an Accelerometer?

The TEDDY Study would like to measure kids' physical activity every year starting at age 5. To get this information, we will ask the kids to wear a device called an accelerometer. An accelerometer is a tool similar to a pedometer



that records forward to back, side to side, and up and down movement. Research suggests that physical activity may affect insulin use enough to influence the development of type I diabetes. We will use the accelerometer data to test this hypothesis. We will charge the accelerometer, and it will turn on by itself. You will just need to make sure your child wears the belt and keep a simple log. Once you mail the accelerometer and log back to us, your child will receive a small "thank you" gift in the mail. If you have already finished a week of data collection, thank you! If not, there will be more chances. We will continue to collect this information from our TEDDY kids.



Caroline, at the Augusta site, wears her belt home!



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Gainesville TEDDY Office University of Florida, Department of Pediatrics 2004 Mowry Road; 2230 North Side 2F CTRB Bldg Gainesville, FL 32610 352-334-0843

### Why Does TEDDY Want ...

What TEDDY asks	What TEDDY is looking for:
Diet records	Energy intake, proteins, vitamins, fatty acids, zinc, carotenoids, and selenium
Toenails	Selenium levels
Water	Zinc, nitrates, pH levels
Accelerometer	How activity level affects development of autoantibodies, progression of autoantibodies, and type I diabetes
Blood	Development of autoantibodies, screening for celiac disease, HbAIC
Stool samples	Viruses and bacterial remnants
Parent and child life events and experiences	Effect of stress on development of autoantibodies and type I diabetes
Illnesses	Whether certain viral or bacterial infections affect the development of autoantibodies and type I diabetes
Nasal swab	Viruses that are present in the nose
Cortisol	Stress response
Family DNA	How known type I diabetes genes are passed in families; possible discovery of new genes
Urine	Infections, environmental toxins, metabolites, and proteins possibly related to type I diabetes
Puberty Assessment	How growth and development that happen during this time influence diabetes autoantibodies and TID

## The Atlanta Site's TEDDY Fall Festival 2012



For All TEDDY Kids and their Families Don't Miss The Fun – Watch Your Inbox – Invitation Coming In August!

#### Fun Recipe: Apple Bites

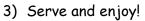
#### Ingredients:

Red apple slices

Peanut butter or honey

#### Mini marshmallows

- Spread a layer of peanut butter or honey on one side of apple slices
- Sandwich marshmallows between the slices to make "teeth"













# Kids Corner

