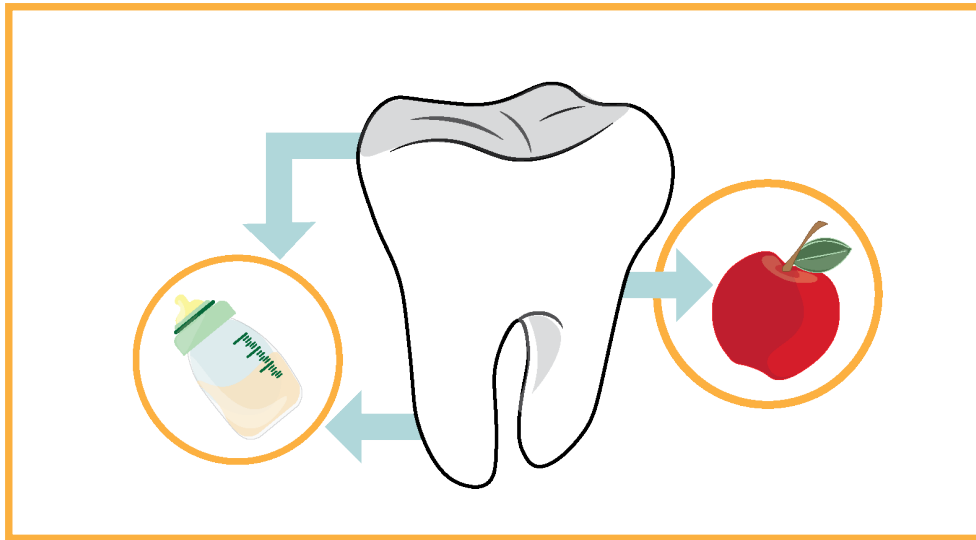

SMARTT TOOTH COLLECTION

Overview | Instruction Manual



BACKGROUND

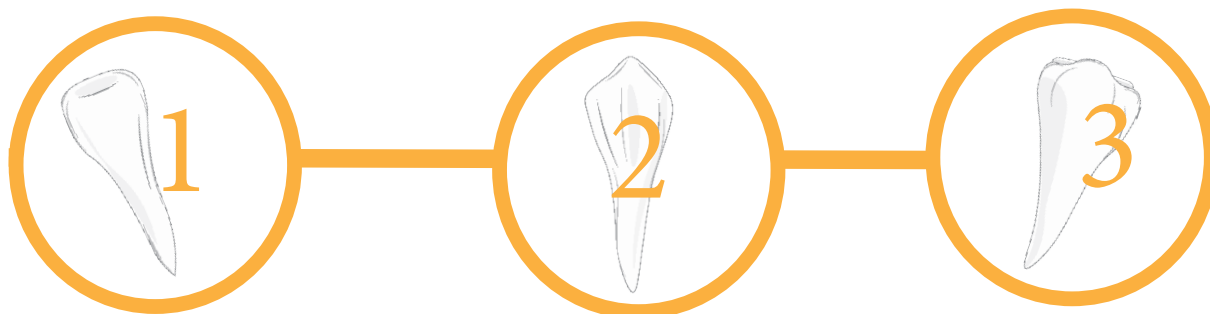
Thank you for agreeing to participate in the tooth collection part of the SMARTT study!



As you know, one of the goals of SMARTT is to learn about the connection between a child's early environment and their health.

The reason we are collecting teeth from our participants is because **baby teeth can give us a lot of information about a child's early environment** – even from when they were in the womb.

New technologies are making it possible for us to analyze this now. For research purposes, we would **like to collect up to three (3) baby teeth** from each of your SMARTT-enrolled children between the ages of 5 and 11.



As your child naturally begins to lose his or her baby teeth, we are asking you to bring us three teeth in total: one tooth at a time **(no need to bring in your child's first tooth! These can be special!)**

Of course, no one can predict when a child will lose a tooth, **so there isn't a set schedule for this, but we'd like to receive a tooth after each of your child's ages 5, 7, and 9 study visits.**

GETTING STARTED

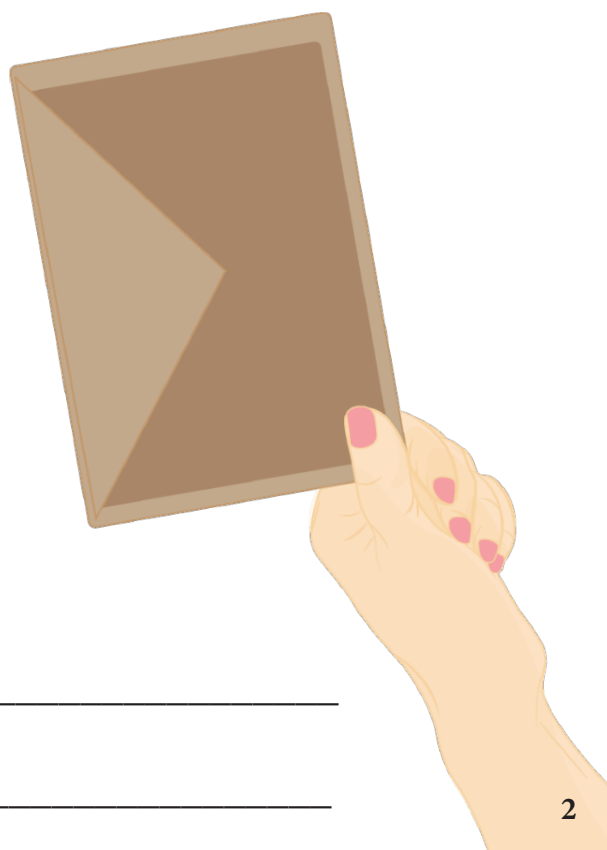
To start, we have provided you **ONE kit to collect ONE tooth at a time to bring back to us. Please hold on to this kit until you have a baby tooth that you can return to your clinic.** If your child was chosen for the extended cohort, you can bring the envelope back to us during your child's next in-person study visit. You can also give it to us when you're in the clinic for any other reason, including a routine care visit. If asked to mail the tooth back to the site in a padded envelope, follow the instructions provided to you.

When we receive a tooth from your child, we will give you another tooth collection kit to collect another tooth until a total of three teeth are collected per enrolled child. We will give you a \$5 incentive for each tooth returned to us.

If you have any questions, please contact your site coordinator and they will be happy to help you with the process.

EMAIL : _____

PHONE : _____




THE KIT

The tooth collection kit includes the following items put in a large plastic bag (like a Ziploc®) :



- This Collection Instruction Sheet (CIS) & Tooth Fairy Letter One (1) square of tinfoil (with tooth folded inside)
1. One (1) square of tinfoil (with clean tooth folded inside)
 2. One (1) desiccant (drying) pouch
 3. One (1) biohazard zippered plastic bag
 4. One (1) index card (completed with your child's information)
 5. One (1) envelope to keep everything until getting is back to the site

IMPORTANT

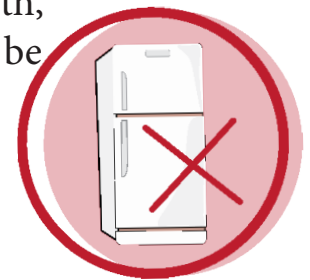
 **COLLECTING THE TOOTH:** The next time your child loses a baby tooth, save the tooth. It's better to bring us a tooth that **has fallen out naturally**, but it's also **ok to send one that was pulled out**.

- A **tooth that has cavities or is broken into pieces is acceptable** (but whole teeth are preferred).



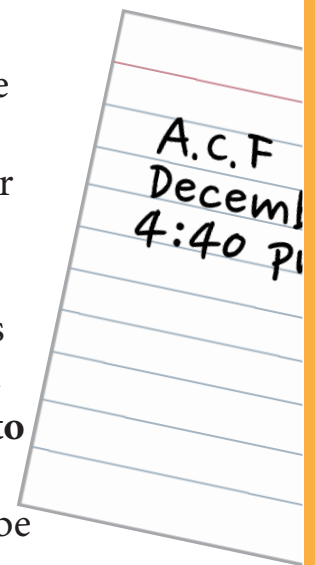
 **PREPARING THE TOOTH:** Once you have the tooth, follow the instructions below to prepare the tooth to be brought to the clinic.


- Before bringing the tooth/teeth back to the site, **store at room temperature, away from light—please do NOT refrigerate or freeze the tooth.**



 **COMPLETING THE INDEX CARD:** If you have multiple children, please make sure the tooth you are preparing to give us is from the child whose name matches the initials on the index card.

- On the index card with **your child's initials**, write the **date the tooth fell out** or was pulled out and the **approximate time the tooth came out** of your child's mouth.

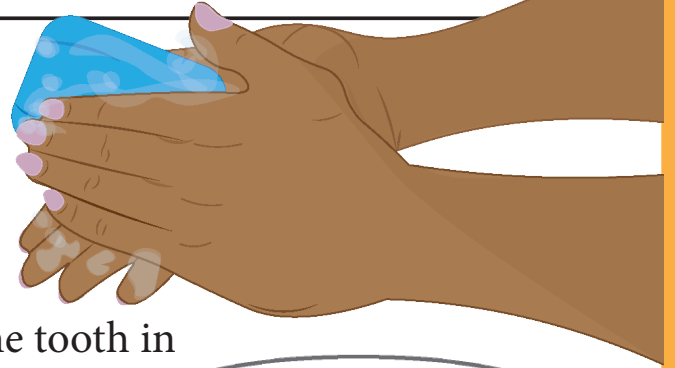


 **RETURNING THE KIT:** Please return tooth/teeth as soon as you can at your next in-person study or clinic visit. **We encourage you to bring the envelope back to the site as soon as possible** after it is collected so that you won't forget to bring it to the next visit. You may be asked to mail the kit back to the site

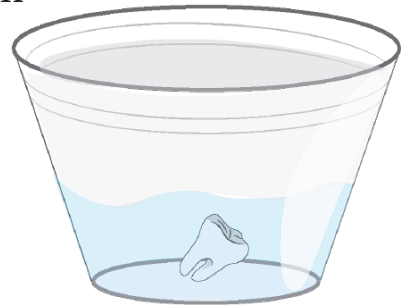
- **When we receive a tooth from you, we will provide you with another collection kit until we have received up to three teeth per child.**

COLLECTION INSTRUCTIONS

1. Clean your hands using hand sanitizer or soap and water.



2. We suggest gently rinsing the tooth in a cup of tap water. Be careful not to drop it in the drain.

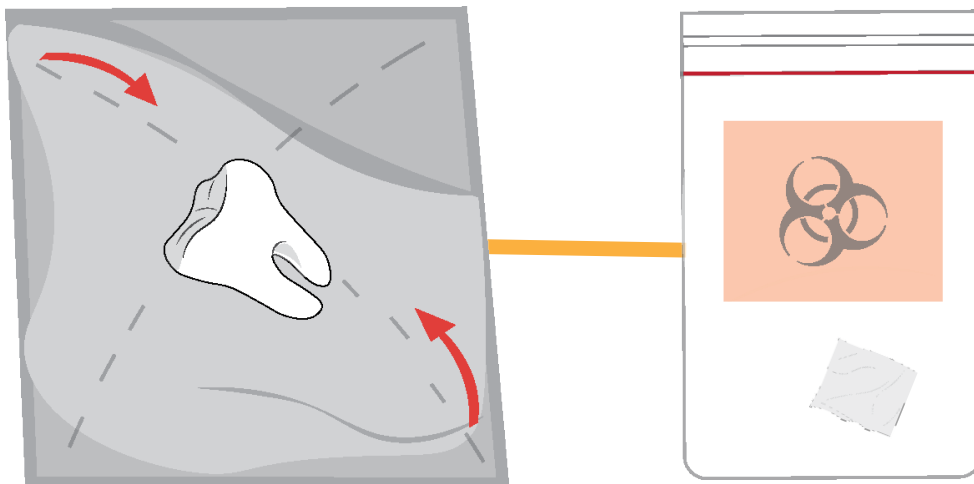


3. Let the tooth air dry.

4. Clean your hands again using hand sanitizer or soap and water, then open the plastic bag with the kit.

5. Take out the foil square from the biohazard bag.

6. Place tooth in the foil square, fold the foil around the tooth to hold it securely, and put it in the biohazard bag.



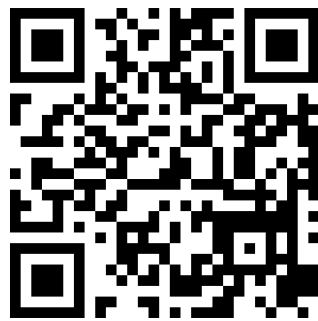
7. Place the desiccant pouch in the biohazard bag and seal the biohazard bag shut.
8. On the index card with your child's initials, write down the date and approximate time that the tooth fell out or was pulled out.
9. Put the biohazard bag (with the tooth in it) and the index card in the envelope.
10. Keep the bag a dry place at room temperature until you bring it back to the clinic.
11. Do not put the bag in the refrigerator or freezer.
12. Bring the tooth back to your next clinic or study appointment to give to the study team (mail if instructed by coordinator) .
13. When we receive your child's tooth, we will send/give you another kit, unless we already have received a total of 3 teeth.

Unfortunately, we cannot return the teeth to you after we have examined them.

We will store your child's tooth samples in a repository (a secure storage facility) like we do with other study samples (like blood, saliva, etc.). **Once the teeth are no longer being used for research, they will be destroyed.**

THANK YOU SO MUCH, The SMARTT Team!

Learn more about
PHACS HERE:



<https://phacsstudy.org/Home>