

WHAT WILL MY CHILD BE ASKED TO DO?

If your child is eligible to participate in the study, they will be asked to attend study visits once every 3 months for one year (5 visits in total).

During the first visit, we will look at your child's teeth and gums to see if they are eligible to participate. If your child qualifies for the study, s/he will be randomly assigned (similar to pulling a number from a hat) to receive one of four different toothpastes. Your child will be asked to use the toothbrush and toothpaste that we give them twice a day for one year. During the study, your child will be asked not to use any oral hygiene products (like toothpastes or mouthwash) other than what we give them. Your child will still be able to go to their dentist for regular treatment and check-up visits.

During study visits, a member of the team will look at your child's teeth to see if there are any cavities. If the study dentist finds a cavity you will be notified and asked to bring your child to his/her regular dentist for treatment. During some visits, your child will also be asked to complete a short questionnaire to share how they feel about their oral health.

TOOTHPASTESTUDY@DENTAL.UPENN.EDU

JOIN THE STUDY

For more information or to see if your child might be eligible to participate, please contact the study team at:

PDMToothpasteStudy@dental.upenn.edu



PRINCIPAL INVESTIGATOR

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DOES YOUR CHILD HAVE CAVITIES?

If so, they may be eligible to participate in a research study to test a new anti-cavity toothpaste!



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What is the study about?



The purpose of this research study is to test how effective a new toothpaste is in reducing tooth cavities. This new toothpaste contains arginine, which is a safe and essential amino acid that is naturally found in saliva and produced by the human body. In this study, we will compare regular fluoride toothpastes that you could buy in a store to this new toothpaste which contains arginine.

How do I know if my child is eligible?

To be in this study, your child must be 10-14 years old, in good general health, and not have any allergies to the toothpastes being tested. A study dentist will also need to look in your child's mouth to see whether their teeth and gums meet the criteria to be eligible, including having tooth changes that show signs of early cavities.

What are the potential risks?

The risks of using the new toothpaste as expected to be the same as those for any toothpaste available in stores. It is possible that the toothpaste assigned to your child will not prevent cavities as well as other toothpastes. Your child may also experience slight discomfort as a result of the dental exam, which should go away soon after the exam is finished.

What are the potential benefits?

Although it cannot be guaranteed, we expect that all toothpastes will reduce cavities. Your child's teeth and gums will be monitored every 3 months, and they may benefit from this frequent monitoring. Participation in this study does not replace the need for your child to visit the dentist on a regular basis.

Will I have to pay for anything?

There is no cost to you or your child for the oral exams, toothbrushes, or toothpaste provided during this study.

Will my child be paid for being in this study?

Eligible participants will receive \$50 for completing the first study visit, 6 month visit, and 12 month visit; and will receive \$25 for completing the 3 and 9 month visits (\$200 in total for completing all study visits).

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