

CHILD STUDY

VANCOUVER

Dec
2012



Some fun facts
Updates
What have we
learned so far!



HOW MANY...

3346 Active Subjects Nationally
Vancouver site:
708 Families in General Group
46 Families in Pilot Group

What makes the CHILD Study great?

I bet you are all wondering why we are taking so many samples? Well, what makes CHILD a strong study is the fact that we are collecting these samples at many different times throughout your child's development. After we have collected all of the samples, we will be able to test them for environmental exposures and link them to information about your child's health and home. An example of one of the many potential analyses we are undertaking is the current analysis of urine samples testing for the presence of phthalate metabolites. Phthalates,

commonly referred to as plasticizers, can be found in a variety of household items, including nail polishes, soaps, cosmetics, plastic shower curtains and children's soft toys. Previous studies have indicated that there may be a link between phthalates and an increase in asthma and allergy. The CHILD Study is measuring phthalate levels as a measure of exposure, in children's urine, at 3 months, 1, 3 and 5 years of age to further investigate this association on child's health and development.

Environmental FUN FACTS

The CHILD study has made many partnerships to gather important information about the environment we all live in and the impact it may have on our health. For example, at the 3 month home visit, we collect GPS coordinates that we can link with Environment Canada's pollution database. The different sources of indoor pollution we are looking for include heating and cooling systems, cooking

appliances, sources of mould, leaks, and many more. Environment Canada tracks different types of pollutants across the city on a daily basis. They have stations around the city (actually, all over the country) that monitor air quality. We are hoping that by combining your information with that of Environment Canada, we will be able to increase awareness of how exposure to pollutants that may affect respiratory conditions.

OUR PARTNERSHIPS:





Questionnaires have gone ONLINE!

Update

Many questionnaires have gone online! Watch for an email when your child turns 6 months, 1 year, 18 months, 2, 3 and 4 years old. For logistical reasons, members of the Pilot study will continue to use paper questionnaires.



Asthma & Allergy Facts:

According to Statistics Canada in 2011, approximately **7.5% of Canadians** (aged 12 and over) have been diagnosed with asthma, this number continues to rise each year.

Some preliminary analysis from breathing tests done in Toronto in the first year of life suggest that the **heating source, dust, and pests in your home** may contribute to **increased eNO**, a marker of airway inflammation.



And most importantly....

THANK YOU all for being a part of the CHILD family!

Our team appreciates all of the hard work and effort you and your family are putting into the study.

CONTACT US:

CHILD Study

Child and Family Research Institute

childstudy@cfri.ubc.ca

604-875-2000 local 6390

Questions? Our website may help

www.canadianchildstudy.ca

What's special about the CHILD Vancouver Site ?

In addition to the Questionnaires, the Vancouver site has conducted in-depth psychosocial interviews during pregnancy and at 1 Year. By learning more about what stresses you are going through during this sensitive time and then analyzing cell molecules found in cord blood, we can study how neural stress pathways from the brain to the body influence early biologic immunity development .