

# Neurobehavioral Development

## 1. Mother

- KASQ  
(Ages and Stages Questionnaires)

## 2. Baby

- Bayley Scales



# Major Outcomes

- **Fetal growth** using ultrasound measurements
  - Biparietal diameter
  - Abdominal circumference
  - Femur length
- **Pregnancy and Birth Outcomes**
- **Infants' Health outcomes** : Allergy, Asthma, Atopy, and Neurobehavioral Development



# Conclusion



# What makes this study different from other Korea health studies?

Mother and children's health and Environment study [MOCHE] has a number of features that make it unique:

- **The study is national in scope-** MOCHE is one birth cohort study in Korea. MOCHE Study includes pregnant women ,their husband and their newborn babies from three local centers where are in a different environment.



- The study takes a broad approach to "environment" -This study includes the wide range of biological, physical, genetic and other factors comprising a mother and newborn babies' environment that can affect health and development.
- Results will be made public as the study progresses- Academic research on the hypothesis that environment at the time of gestation period affects the development of disease during the adulthood.



- The study will serve national policy on the health of pregnant women and children - This study will select target environmental diseases of children and development of environment health index and provide data for national policy on the health of pregnant women and children.



# Expected contributions of the Study

- Academic research on the hypothesis that **environment at the time of gestation period effects** the development of disease during the adulthood
- Evaluation of **latency and age-specific susceptibility to exposure to hazardous environmental pollutants** and growth-retardation disorder

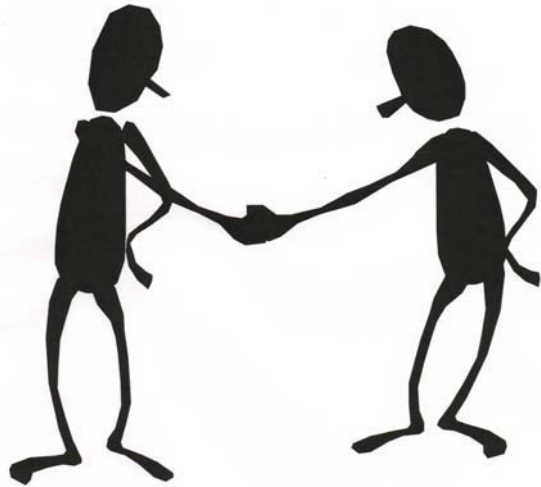


- Evaluation of growth-retardation disorder focusing on environment and genetic risk factors
- Evaluation of relative risk and attributable risk of major environmental factors on children's growth retardation
- Selection of target environmental diseases of children and development of environment health index
- Establishment of national policy on health of pregnant women and children





# Acknowledgment



This study was supported by the **Ministry of Environment, Republic of Korea.**





**MOCHE Korea Home page**

<http://www.mocche.or.kr/home>



**MOCHE English Home page**

<http://www.mocche.or.kr/enhome>

Environment and Health in Asia - Microsoft Internet Explorer


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