



Swiss TPH



## Vientiane multiGenerational Birth Cohort (VITERBI)

### Cohort Profile

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September 8<sup>th</sup> 2022

# Cohort Overview

## VITERBI

- Is a multi-generational birth cohort located in Vientiane Capital, Lao PDR
- The cohort was launched in 2020, and enrollment will continue until late 2023

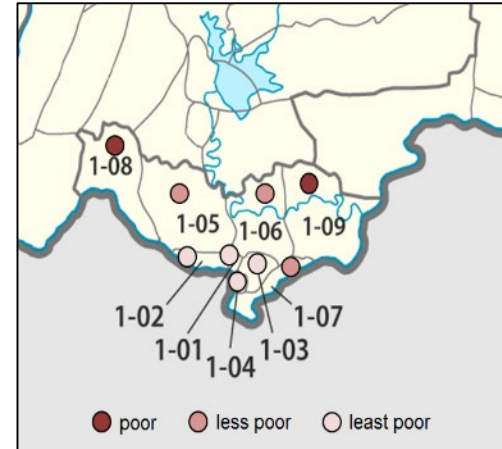


Photo caption

# Cohort Location

## Vientiane Capital

- Focuses on 4 out of 9 districts
- The two most central **high-SES** districts: Chanthabuly (1-01) and Sikhotabong (1-02)
- The two most rural **low-SES** districts: Santhong (1-08) and Parkgnum (1-09)

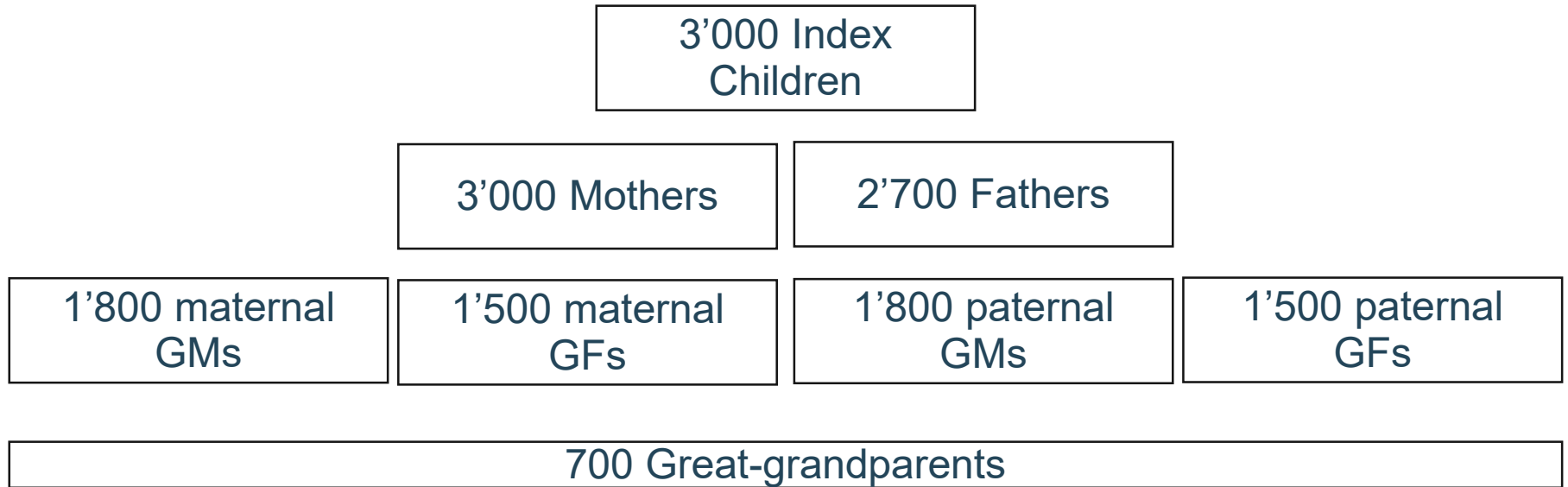


Laos, Vientiane Capital and Study Districts

# Sampling Approach

- The cohort is structured around a core birth cohort comprised of **children born between July 1, 2022 and Jan 31, 2023**
- Whenever possible, children will be enrolled during pregnancy; children missed during pregnancies will be enrolled shortly after birth
- A total of 3'000 births are anticipated in this period in the four target districts
- In addition, we aim to enroll 13'000 parents, grandparents and great-grandparents if they are alive and live in our target districts

# Overall Cohort Structure: Anticipated N= 16,000



**Inclusion criterion:**

lives in one of the four cohort districts with no plan to move

# Key Research Areas

- Identify medical and public health problems that are important to people in Lao PDR
- Intra-urban differences in maternal and child health
- Intergenerational transmission of poverty and health
- Early life nutrition, breastfeeding and gut microbiome
- Health service access

# Core Team



**Somphou  
Sayasone**

Lao TPHI



**Latsamy  
Siengsounth  
-one**

Lao TPHI



**Sengchanh  
Kounnavong**

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**Jordyn  
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**Nicole  
Probst-  
Hensch**

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**Peter  
Odermatt**

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**Günther  
Fink**

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# Social Transfers for Exclusive Breastfeeding (STEB)

This project is to assess the extent to which social transfers can improve exclusive breastfeeding rates in Lao PDR through a small randomized controlled trial

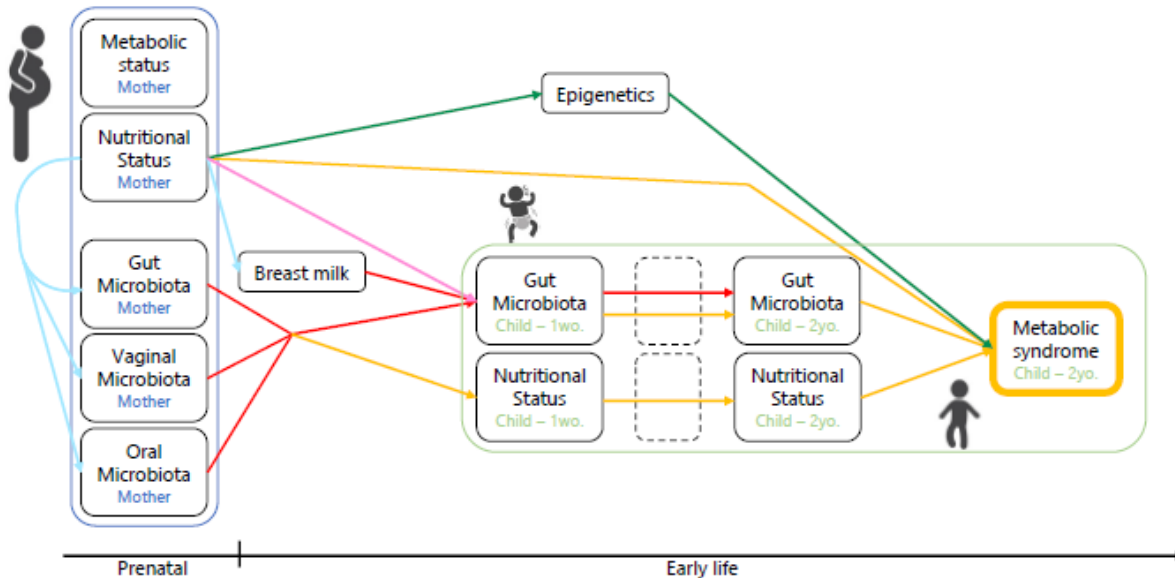
- Aim 1: Assess the feasibility of social transfer programs for breastfeeding promotion.
- Aim 2: Assess impact of social transfers on exclusive breastfeeding rates.
- Aim 3: Assess cost-effectiveness of social transfers.





# Dynamics and consequences of nutrition-related microbial dysbiosis in early life (Viterbi-Gut)

This project aims at elucidating microbial changes associated with maternal and infant malnutrition as well as a possible epigenetic changes in early life.



# VITERBI Field team



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Thank you for your attention