

Data Science Approaches to Improve Maternal and Child Health in Brazil

ANNOUNCEMENT OF RESULT

This is to announce the results do the Call for Proposals launched in 2018 by CONFAP in partnership with the Bill & Melinda Gates Foundation, Brazilian Ministry of Health, and National Council for Scientific and Technological Development (CNPq) under the Grand Challenge Explorations Programme. The projects bellow may be funded by the related participating FAP. Other projects, not in this list, were either not recommended or exceeded the budget for this Call.

| Nº | Name of the Coordinator | Institution of the Coordinator | Title of the Project |
|----|---------------------------|---|--|
| 1 | Carmen Simone Grilo Diniz | USP | Potential Pregnancy Days Lost: an innovative gestational age measure for to assess maternal and child health interventions and outcomes |
| 2 | Muriel Bauermann Gubert | UnB | Early childhood development friendly index: assessing the enabling environment for Nurturing Care in Brazilian municipalities |
| 3 | Cecilia Machado | FGV | How and When: Disentangling Cash and Care effects of CCTs on Birth Outcomes |
| 4 | Tiago José de Carvalho | IFSP | Decision-Making Support Platform Based on Visual Analytics and Machine Learning to Subsidize Public Politics Focused on Gestational Health |
| 5 | Cristiano Boccolini | FIOCRUZ-RJ | Assessing the impact of hospital-based breastfeeding interventions on infant health |
| 6 | Carolina Barbieri | UNISANTOS | Spatial analysis of children vaccination coverage and their relation to socioeconomic and health characteristics in Brazil |
| 7 | Jailson de Barros Correia | Secretária Municipal de Saúde de Recife | Data science to inform the design and evaluation of interventions to improve perinatal outcomes: lessons from the Mãe Coruja program |
| 8 | Gilberto Kac | UFRJ | New gestational weight gain |



MINISTÉRIO DA
SAÚDE



BILL & MELINDA
GATES foundation

| | | | |
|----|------------------------------------|------|---|
| | | | recommendations for the Brazilian Unified Health System (SUS) |
| 9 | Aldo Lima | UFC | Influenza in Pregnancy and Birth Outcomes in the Brazilian Semi-Arid: The INFLUEN-SA Study |
| 10 | Rudi Rocha | FGV | Using Geocoded Big Data to Identify Causal Links Between Infectious Diseases and Child Developmental Outcomes |
| 11 | Alexandra Bretani | USP | Using the 100M Cohort to Establish Critical Air Pollution Thresholds for Safe Child Birth in Brazil |
| 12 | Judith Kelner | UFPE | Use of interactive infographic in the PMCP - Analysis of indicators to improve the quality of maternal and child health |
| 13 | Andreza Lucas | UFPE | The intergenerational impact of conditional cash transfers on newborn health |
| 14 | Erika Bárbara Abreu Fonseca Thomaz | UFMA | Data-driven risk stratification for preterm birth in Brazil: development of a machine learning based innovation for health care |

Brasília, November 29th, 2018.