

## SUMMARY OF THE PROJECT IN DESIGN \* (\*)

### Remote OBGYN monitoring using Melody's iCTG wearable platform

<b>PITCH ELIGIBILITY DATE</b>		<b>COUNTRY(IES)</b>
05/31/2024		Brazil
<b>ALIGNED WITH COUNTRY STRATEGY?</b>		
Yes		
<b>PARTNER(S)</b>		
The Hospital das Clínicas of the Faculty of Medicine of the University of São Paulo		
<b>PRELIMINARY CLASSIFICATION ENVIRONMENTAL AND SOCIAL IMPACT</b>		
C (**)		
<b>TOTAL BUDGET</b>	<b>IDB Lab</b>	<b>LOCAL COUNTERPART AND COFINANCING</b>
US 875,000	US 700,000	US 175,000
<b>DESCRIPTION</b>		

**The problem** The problem in Brazil is the high fetal mortality rate (FMR), which was 10.5 per 1,000 births in 2019. This is linked to the absence of regular prenatal care, which heightens the risk of complications leading to fetal and maternal mortality due to missed early detection and management of pregnancy-related issues, particularly in rural and underserved areas. Traditional monitoring devices are costly and space-consuming, and create a significant financial burden for healthcare facilities.

**The solution** The model proposes the use of Melody International's iCTG platform, a wearable device for remote OBGYN monitoring, to combat high FMR. This LGPD-compliant cloud technology enables continuous monitoring of fetal heart rate and uterine contractions, accessible via a tablet. It aims to improve maternal and fetal health outcomes by facilitating remote consultations and empowering women in rural or underserved areas to take control of their health.

**The beneficiaries** The project will benefit approximately over 500 high-risk pregnant women in Sao Paulo, Brazil. Because OBGYN at HCFMUSP serves primarily for high-risk pregnancy for low-income populations who have limited or no access to private health insurance or employer-provided plans, most of the beneficiaries can be considered poor and vulnerable. It includes approximately 50 women residing in the rural part who would not otherwise have access to fetal monitoring.

**The partner** HCFMUSP (InovaHC) is a clinical ecosystem and executing agency of this project. Associated with the University of São Paulo, this teaching hospital, established in 1944, is one of Brazil's premier centers for teaching, research, and care, with over 21,000 employees. Melody, a Japanese startup that manufactures wearable, digital, and cloud-integrated fetal monitoring devices, is a technical partner.

**The IDB Lab's contribution** The IDB Lab will provide non-reimbursable support of US\$700,000 from the Japan Enhanced Initiative for Quality Infrastructure, Resilience against Disaster and Health (JEI) to support the project activities, leveraging the expertise and networks of the IDB Group, Japan International Cooperation Agency (JICA) and other partners. The executing agency or any other partners will provide the remaining US\$175,000 (cash and in-kind) as a local counterpart funding.

\*The information mentioned in this document is indicative and may be altered throughout the project cycle prior to approval. This document does not guarantee approval of the project.

\*\*The IDB categorizes all projects into one of six E/S impact categories. Category A projects are those with the most significant and mostly permanent E/S impacts, category B those that cause mostly local and short-term impacts, and category C those with minimal or no negative impacts. A fourth category, FI-1 (high risk) Financial Intermediary (FI)'s portfolio includes exposure to business activities with potential significant adverse environmental or social risks or impacts that are diverse, mostly irreversible or unprecedented, FI-2 (medium risk) FI's portfolio consists of business activities that have potential limited adverse environmental or social risks or impacts, FI-3 (low risk) FI's portfolio consists of financial exposure to business activities that predominantly have minimal or no adverse environmental and social impacts.