TECHNICA 2020 HACKATHON
OCTOBER 24-25, 2020

Catalyzing Questions for Global Health Hackers

"Best global health hack"
- $500 Amazon gift card to be shared by the first place team/individual
- $250 Amazon gift card to be shared by the second place team/individual

1. **How can technology help upgrade the clinical skills of frontline health workers in developing countries?**
   Context: In developing countries, clinical providers are often located far very from training centers and therefore are unable to visit training centers in person to learn more complicated clinical techniques, such as the removal of a contraceptive implant. The COVID19 pandemic has made remote learning even more critical. We are looking for innovative hacks for enabling and empowering health workers with important skills, given some of the logistical challenges presented in low resource settings.

2. **How can technology help prevent gender-based violence and keep individuals safe during the increased isolation and stress that is the result of COVID19?**
   Context: Gender-based violence (GBV) is a term that describes any harmful act that is based on gender identity and sexual orientation. Globally, women, girls, and individuals in the LGBTQ community suffer disproportionately from sexual assault, harassment, intimate partner violence, and verbal, emotional, and mental abuse. With the additional social distancing and isolation of the COVID19 pandemic, rates of GBV have increased. We are looking for innovative hacks that can help prevent GBV.

3. **How can technology help improve healthy child spacing in low-resource settings?**
   Context: The World Health Organization (WHO) recommends a minimum of two years (24 months) between pregnancies to reduce the risk of adverse maternal and child health outcomes. Post-partum family planning (PPFP) is defined as the use of a contraceptive method within 12 months of giving birth, and it is a high impact practice for spacing pregnancies and preventing unwanted pregnancies. Yet use of PPFP remains low globally. We are looking for innovative hacks that can help stimulate demand for PPFP among pregnant women and their partners and/or encourage clinical providers to offer this important service to their patients.

4. **How can technology help improve the reproductive health of youth (15-24)?**
   Context: We are looking for innovative hacks that can connect youth with knowing where they can access non-judgmental contraception, HIV, STD, and other reproductive health information, products, and services, and/or peer communities. Data security is a key consideration.

5. **How can technology help improve the operations of private clinical facilities in low-resource settings?**
   Context: Pharmacies and small clinics are significant contributors to health services, particularly for family planning, in many developing countries. However, providers in low-resource settings are at different stages of automation and digitization in their operations and may benefit from simple tools and technologies to improve accounting, data entry, supply management, business best practices, and adherence to recommended guidelines on client care. We are looking for innovative hacks that can improve clinical business operations in low resource settings.