EpiHack*: Epidemiology Hack-A-Thon

An Epihack* is a gathering of international professionals from the fields of technology, animal health, and public health. Participants engage in 3-6 day intensive workshops and create, adapt, or improve technologies for disease surveillance.
**EpiHack* Events**

- EpiHack Minneapolis (2015)
- EpiHack Tanzania (2014)
- EpiHack Albania (2016)
- EpiHacks Phnom Penh (2013)
  - Chiang Mai (2014)
  - Laos (2014)
  - Myanmar (2016)
Epihack* Phnom Penh (2013)

- Projects included a pilot for new ILI system, cloud-based system for Mae Tao Clinic, and hotline for CoPanFlu
- Use of Verboice for One Health, early warning, and animal health applications
- Incorporating participatory surveillance into DoctorMe application
Epihack* Phnom Penh (2013)
Epihack* Chiang Mai (2014)

- Establish human / animal participatory epidemiology approaches in Chiang Mai with local partners

- Detect both human and animal illnesses in real time, before an epidemic occurs

- Empower human and animal health officials with more timely data to respond faster and contain outbreaks
Epihack* Laos (2014)

- Vector-borne surveillance tool for field surveys and reporting
- Voice-based Dengue alert system through community reporting across multiple platforms
- Localizing DoctorMe to Lao language
Epihack* Tanzania (2014)

- Develop participatory engagement of local communities via mobile applications
- Empower official reporting, community reporting and support feedback mechanism with knowledge repository
- Empower human and animal health officials with more timely data to respond faster and contain outbreaks
Epihack* Tanzania (2014)

- Brazil Ministry of Health championed the World Cup pilot to engage fans in mass gathering participatory surveillance

- SGTF, Epitrack, and InSTEDD convened Epihack Rio with participants from around the world to develop an application for Olympics mass gathering

- Empower human and animal health officials with more timely data to respond faster and contain outbreaks

Participe ativamente na prevenção de doenças.
Informar sintomas, acompanhe a saúde na sua região e obtenha dicas e informações sobre saúde.

Torne-se um Guardião da Saúde
Assim, você contribui ativamente com a vigilância em saúde no Brasil. Ajude a melhorar a saúde da sua comunidade.

Um mapa da saúde no seu bolso.
Acompanhe em tempo real a situação da saúde próxima de você.

Já disponível para dispositivos iOS e Android

[Image of a smartphone app interface with icons and maps.]

[Logo of Skoll Global Threats Fund at the bottom left.]
Epihack* Minneapolis (2015)

• Convene state and local health departments to leverage Flu Near You data for local surveillance

• Develop code base for local analysis, inform design of user data dashboard

• Educate local epidemiologists on opportunities for leveraging novel data streams
Epihack* Albania (2016)

• Southeast European Center for Surveillance and Control of Infectious Diseases (SECIDS) had significant amounts of human, animal, vector and environmental data

• SECIDS and SGTF convened Epihack Albania with participants from around the region and across sectors to participate

• Led to prototypes for
  – Data platform and structure
  – Visualizations (maps, graphs, and charts)
  – Analysis and alerting
  – Query and reporting
Epihack* e-Learning – Scaling Epihacks

- Online training for organizers and facilitators
- Developed by expert Epihack alumni
- Register: e-learning.epihack.org
Now it’s YOUR turn

Epihack Myanmar – April 25-29, 2016
Questions?

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