Implementing electronic disease surveillance in a low-connectivity environment

Sierra Leone & Liberia

About eHealth Africa

- **Mission:** To build stronger health systems through technology and data-driven solutions.
- **750 staff** based in offices in Nigeria, Sierra Leone, Guinea, Liberia and Germany.

Challenges

- **Data capture** in a low connectivity environment.
- **Ensuring data entry** can be performed by personnel with limited experience using technology.
- **Creating a sustainable solution** to disease surveillance and the use of new technology.

Training workshop eIDSR app.
Source: eHealth Africa

Challenges

- **Custom Android app** in Sierra Leone and Microsoft Windows app in Liberia replaces existing Integrated Disease Surveillance and Response reporting (eIDSR) projects.
- **Leverage capabilities** of DHIS2 for aggregated and case-based epidemiological disease reporting.
- **Improve** the completeness, timeliness of reporting, and the quality of collected data.

Successes

- **On track to rollout** in 1 out of 14 districts in Sierra Leone by end May 2017.
- **Rollout in 2 out of 15 counties in Liberia** will commence in May 2017.
- **Strong support** from data entry personnel for electronic-based reporting over existing paper method.
- **Solution introduces new platform** for health information delivery.