

Immunization Problem Statement

Currently, many countries struggle to provide access to healthcare in rural communities. In Ghana, healthcare providers are working to combat this problem by moving nurse practitioners, nurses, and midwives from urban locations into rural areas. While this has helped improve healthcare access in these areas, these clinics are facing another large issue: All patient forms and monthly reports have to be filled out manually. This leads to long wait times when registering new patients, difficulty in keeping track of patient data such as children's vaccination schedules, and long turnaround times for monthly reports.

The specific problem that the Immunization Group faces is a challenge to digitalize vaccination forms in order to make them easier to read, understand, and fill out. Immunizations are an important part of child survival, and the current system is unable to provide adequate storage of necessary immunization records. The Immunization Group will solve this problem by developing a data entry system that stores information for the Immunization Registry and displays it when needed. Unlike the current paper-based system, the digital system should have the ability to alert Community Health Officers (CHOs) that a child needs an immunization, allow for reliable immunization data retrieval, and provide quicker turnaround times for monthly immunization reports, among other features.

Notes

The current system has no mechanism for alerting CHOs that a child needs an immunization, but this functionality could be possible with your information system.

Immunizations are an important part of improving child survival. Currently the clinics in Africa handle all their information storage for them on paper.

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There is a monthly report for immunizations presented in the [Immunization Returns report](#).