The BID Regional Program

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The fifth child

The BID Initiative interventions


Lessons learned

BID Regional Mentorship objectives

Engagement process

Expected outcome of the mentorship
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Without reliable health data, coupled with trained and empowered data users, health workers are not able to identify, treat, and take action to provide targeted care.
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The BID Initiative is working in Tanzania and Zambia to enhance immunization and health service delivery through improved data collection, quality, and use.
Putting the right information in the right hands

The BID Initiative brings together information system products, data management policies, and the practices of people that use them to be tested in a few countries and packaged to deploy at scale in many.
The Electronic Immunization Registry System

The patient-level digital health solution is integrated into the immunization service delivery system.

1. Optimizing the process of delivering care.
2. Providing linkages of different services at well-baby clinics for continuum of care.
3. Providing decision-making support capabilities to frontline HCWs.
4. Generating real time, accurate data as a byproduct of the system to inform decisions.
Change management interventions

Change management interventions are critical to ensure adoption of new processes and tools for collecting data to inform programmatic interventions. They also help to transform HCWs from data generators into data users.
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BID by the numbers

563,488 children are registered in electronic immunization registries.

1,580 health facilities are using data quality and use interventions – 1,273 facilities in 33 district and 4 regions in Tanzania and one province 13 district in 307 in Zambia.
Before data quality and use interventions

53% of health workers in Zambia reported missing data as an immunization barrier.

In Tanzania, monthly reports took health workers 10+ hours to complete.
Time savings

EIRs automate data collection and use, saving Lucy time and allowing her to care for more patients.

Lucy spends \( 41\% \) less time registering and vaccinating children.

She no longer needs to reconcile her immunization program records. The task is automated – saving her more than 1.5 hours at the end of each vaccination session.

Automatic reporting saves her 8 working days each year.
Data quality

Health workers now report they’re able to make better sense of data. EIRs help ensure every child is registered from birth and receives all recommended vaccines.

81% of nurses in Lucy’s clinic report data accuracy is now “good” or “excellent.”
Data-driven decision-making

Lucy is now more likely to act on immunization coverage and defaulter data.
Lucy used to feel no connection to the routine data she collected.
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BID is committed to sharing its learnings with others interested in improving immunization data quality and use. They include:

- While countries know their immunization challenges, they are often limited to know what solutions exist to address their context.
- It takes relatively more time and is costly to develop, test, and demonstrate the right solutions/interventions for country scale and deployment.
- To move way from piloting syndrome to scalable interventions, it often takes influencing the whole health system beyond immunization programs and public institutions.
- Countries are often limited with technical capacity in their technology and deployment strategies.
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The main objective of the BID Regional program is to support African countries as they address their routine immunization program challenges through implementation of digital health solutions and data use innovations.

• Provide information on a spectrum of digital health innovations to build their knowledge and understanding of existing tools in the market.
• Access to targeted expertise to help them identify the appropriate digital health and data use solutions that complement and address their country’s immunization challenges.
• Mentorship on design/adaptation, and implementation planning for digital health and data use interventions, including cost-effective approaches for the adoption, scalability, and sustainability of identified interventions.
• Share experience, lessons learnt and best practices on Data Improvement Plans (DIP).
Generic activities

• Review of status quo of existing challenges and interventions in respective countries (attend JA).

• Convene digital health innovators and countries that express the need for data quality and use interventions through a series of virtual activities hosted by the BLN.

• Utilize the experience of the experts from the BID Initiative team in Tanzania and Zambia, as well as other digital health and immunization sector experts, to help countries identify their challenges and appropriate solutions.

• Provide technical support and share experiences with countries by the BID mentors, in the selection and design/adaptation of digital health solutions and data use interventions for their routine immunization programs.

• Provide technical support to countries in the development of and implementation planning of the interventions outline in their immunization DIP.
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Expected outcome of the mentorship
- Initially BLN members
- Enabling environment
- Capacity technical and financial

Q&A
- Clarification and expectation

Prioritization of challenge
- Prioritization of interventions
- Intervention testing and implementation roadmap

During design and testing
- Adoption and deployment planning
- Monitoring and performance evaluation
- Plan for scale
Contacted

Prioritized for Phase 1

The Gambia

Rwanda

Uganda
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Expected outcome of the program
Expected outcome of the program

• Increased/improved adoption of digital health solutions in immunization programs, as a means to address data management challenges by HCWs across the health system.
• Reduced numbers and/or streamlined digital health projects geared toward data improvements within immunization programs.
• Reduced cost and time to design, test, and implement digital solutions as part of DIPs.
• Improved country capacity to sustain, scale, and evaluate their data improvement digital health solutions.
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