

Led by JSI, Gavi's [Zero-Dose Learning Hub](#) (ZDLH) is a global learning initiative to generate evidence and engage stakeholders to identify and reach zero-dose (ZD) and under-immunized (UI) children. As the global learning partner, JSI supports Country Learning Hubs in Bangladesh, Mali, Nigeria, and Uganda to advance evidence-based strategies aligned with Gavi's Identify-Reach-Monitor and Measure-Advocacy (IRMMA) framework. Key ZDLH achievements include demand-driven technical assistance and the development of tools and resources, all aimed at reaching ZD children and integrating evidence into policy and practice.



Want to learn more about knowledge translation in global health? Download the ZDLH toolkit [Knowledge Translation for Zero-Dose Immunization Research](#), developed by JSI through the Gavi-funded ZDLH, to explore practical strategies for translating research into action.

Building a Collaborative Knowledge Translation System for Zero-Dose Immunization in Mali

Knowledge translation (KT) drives the ZDLH's efforts to transform research into practical improvements in immunization. In Mali, the Learning Hub, known in French as the Centre d'Apprentissage pour l'Équité en Vaccination (CAPEV), is led by [GaneshAID](#) with the [Center for Vaccine Development—Mali](#) and the [University of Bamako](#). The Learning Hub developed and advanced a structured and participatory KT system to ensure that evidence informs immunization policy and practice. Central to this approach is the Collaborative Intelligence Platform (CIP), a tool designed to coordinate the development, implementation, and monitoring of ZD activities across the country. The Learning Hub actively promoted the CIP as a mechanism for collaboration and advocacy with national and sub-national stakeholders, including Centre national d'immunisation (CNI), World Health Organization (WHO), UNICEF, Dalberg, World Vision, and Mannion Daniels, the fund manager for the Gavi-financed civil society organization (CSO) portfolio. Mannion Daniels is responsible for selecting CSOs and managing their contracts, while the CSOs themselves support social mobilization, demand generation, and the implementation of immunization strategies. To support this broader engagement, the Learning Hub applied a co-creation approach that actively engages knowledge generators in identifying which evidence should be translated and disseminated for practical use. Through a series of meetings and brainstorming sessions with partners, the Learning Hub collaboratively defined a KT plan that will produce approximately 20 learning products. These products are designed to communicate key findings and lessons learned using formats such as infographics, technical notes, policy briefs, scientific articles, case studies, webinars, and guidance documents.



Dissemination: Sharing Evidence with Key Stakeholders

The Learning Hub disseminated research findings through multiple channels and formats to support evidence access and use at all levels of the health system. Shared products during the reporting period included two infographics, one research report, and four national and international webinars featuring presentations of rapid assessment findings. These dissemination efforts were complemented by plans to produce two policy briefs, four technical briefs, and one scientific article based on findings from Phase 1 of the implementation research, as well as case studies highlighting national partner-led interventions to identify and reach ZD children. The CIP remains a key dissemination

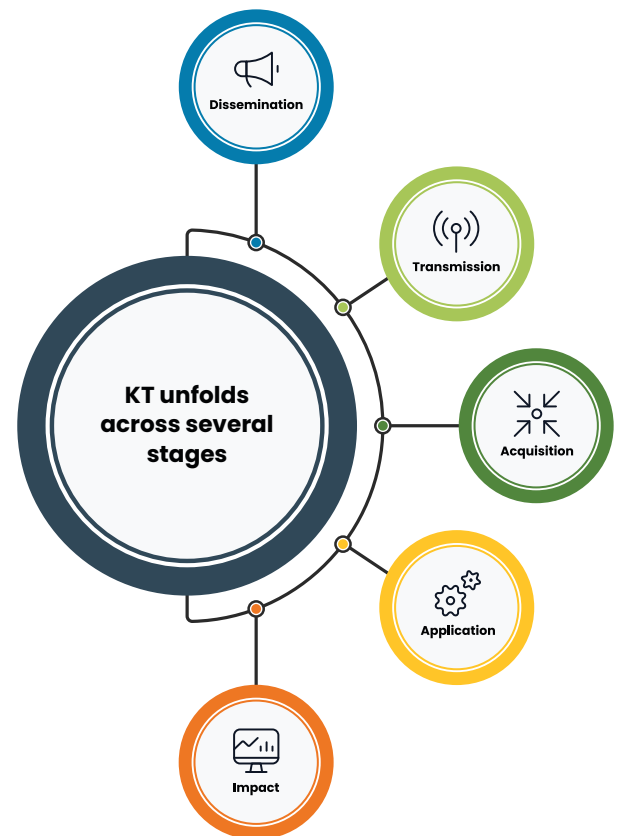
tool, housing approximately 80 documents. These include reports, research papers, policy briefs, guidance notes, and toolkits developed by stakeholders such as the CNI, WHO, UNICEF, World Vision, the Data Quality Group, and ZDLH. In addition to national and partner content, the platform features Learning Hub-developed infographics, presentations, and research reports. Infographics summarizing findings from the Learning Hub's rapid assessment were distributed through the CIP and social media. Rapid assessment findings were also presented during Gavi- and ZDLH-led webinars focused on identifying immunization barriers and solutions.

Mali Learning Hub



Transmission: Facilitating Evidence Uptake

To ensure evidence was understood and contextualized for decision-making, the Learning Hub conducted face-to-face meetings, technical discussions, and collaborative exchanges with stakeholders including CNI, WHO, UNICEF, Dalberg, and Mannion Daniels. These consultations were used to define KT priorities, align on thematic areas, and identify appropriate learning product formats. In collaboration with Dalberg, the Learning Hub supported the development of two knowledge products: an infographic describing vaccination strategies tailored to different population groups and another illustrating the process for developing Mali's National Vaccination Strategy. Engagement with WHO led to the identification of two priority themes—data quality and vaccine management—with a technical session planned to capture lessons learned and insights from WHO consultants. Mannion Daniels proposed co-developing materials on opportunity strategies, including leveraging cultural events for hard-to-reach populations. These discussions helped interpret and align evidence with real-world immunization needs in Mali, ensuring the relevance and timeliness of upcoming KT products.



Acquisition: Stakeholders Recognizing and Adopting Knowledge

To build stakeholder capacity to access, interpret, and apply evidence, the Learning Hub conducted two virtual training sessions, five technical sessions, and one in-person validation workshop. CIP training sessions engaged the CNI director and representatives from WHO, UNICEF, Dalberg, World Vision, Clinton Health Access Initiative, and others. These sessions aimed to improve stakeholders' ability to navigate and use the platform to inform immunization efforts. The collaborative validation workshop held in August 2024 introduced stakeholders to the Learning Hub's Implementation Research (IR) objectives, study areas, and methodology. Participants provided feedback prior to ethics submission and clarified that Bamako was not among the districts selected for Medexis deployment, resulting in the study area being shifted to Ségou. Stakeholder learning exchanges also included technical sessions with WHO's Data Quality Group on integrating Learning Hub findings into Mali's immunization monitoring systems. During a November 2024 meeting, the CNI director emphasized the importance of capturing lessons from the BCU campaign and proposed specific KT outputs, including infographics on BCU implementation, a scientific article summarizing Mali's Big Catch-up (BCU) experience, and technical briefs on C2P and Medexis. He also confirmed institutional support for early KT product development. Mannion Daniels expressed interest in contributing to and using CIP content, reflecting broader stakeholder recognition of its value in coordinating action and driving improvements.





Application: Integrating Evidence into Policy and Practice

The Learning Hub's emerging research and monitoring data were applied in national immunization planning and strategic adjustments. Dashboards confirmed a high prevalence of ZD children in conflict-affected areas and highlighted the insufficient number of targeted interventions. In response, the CNI reallocated a portion of the Gavi Equity Accelerator Fund (EAF) to support pro-equity immunization activities. Proposed EAF efforts currently being validated by Gavi include enrolling ZD children, strengthening cold chain infrastructure, supporting Phase 4 of Learning Hub IR, training health workers, sustaining the CIP, and expanding outreach in the 44 priority districts.

The Learning Hub also contributed to the planning and validation of Mali's conflict-zone vaccination strategy, which was submitted to the MOH for political validation and is now being operationalized through the national immunization strategy. In collaboration with WHO and the CNI Data Quality Group, the Learning Hub supported the validation of performance indicators and their integration into Medexis to improve vaccine logistics tracking. The Learning Hub worked with the CNI to identify key lessons from the first two BCU rounds, which were translated into learning products for the third phase. As a result of these consultations, stakeholders agreed to collaborate on the production of KT products in 2025, including infographics and briefs on strategic innovations and interventions. These efforts reinforced the CIP's role not only as a document repository but as a strategic coordination and operational planning tool.



Impact: Achieving Policy and Programmatic Shifts

KT activities in Mali contributed to several documented changes in immunization policy and program implementation. The conflict-zone vaccination strategy, developed with support from the Learning Hub, has been embedded into Mali's national immunization strategy and is being implemented with a dedicated budget line. Following the Learning Hub's presentation of findings on the financial challenges facing volunteer vaccinators, the CNI proposed a strategy to enroll and compensate them via Orange Money to improve service continuity in hard-to-reach areas. The Learning Hub has also contributed to the institutionalization of KT by integrating the CIP into national decision-making processes. Increased engagement with the platform has supported prioritization of high-need areas, improved resource allocation, and increased visibility and use of immunization data. The Learning Hub is committed to monitoring not only the production and dissemination of learning products but also their use and impact, including how translated knowledge influences policy, strengthens programs, and supports service delivery. Through structured KT and sustained stakeholder engagement, the Learning Hub continues to position the CIP as both a knowledge-sharing platform and a decision-support tool within Mali's immunization ecosystem.

