2024 Q3 Report

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DIGITAL
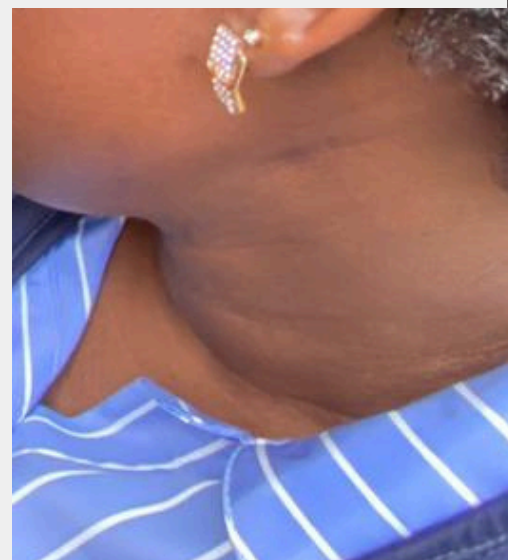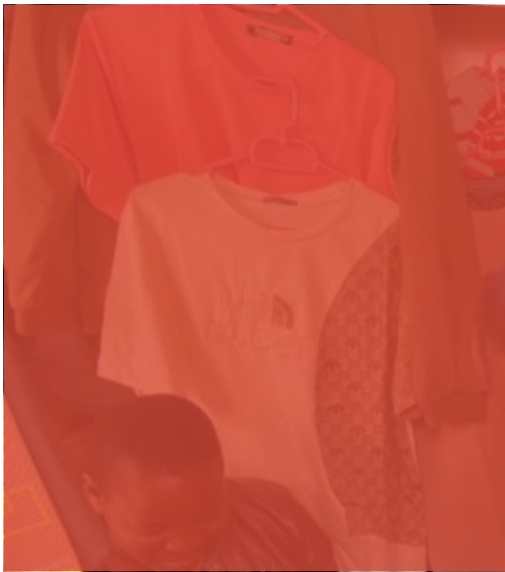
Guild Digital is dedicated to partnering with local authorities to implement tailored digital solutions that enhance healthcare delivery in refugee settlements. By leveraging our expertise in digital innovations of open-source platforms, design and implementation collaboration with stakeholders, and a commitment to social impact, we work to improve access to quality healthcare services for refugees, ultimately contributing to better health outcomes and well-being within these communities.

Introduction

As we conclude the third quarter, I am pleased to share key updates on our progress and achievements over the past months.

One of our major accomplishments has been the successful upgrade of our Refugee Community Health Management Information System (rCHMIS) from Version 3.17 to Version 4.10. This enhancement has introduced a refreshed look and enhanced functionality, which has been warmly received by our clients within the refugee communities. We also had the privilege of presenting our upgrade journey during the Medic-hosted CHT community call, marking an important milestone for Guild Digital Foundation.

Additionally, I am excited to announce that our Supervisor App is now ready for launch. This app will empower supervisors with greater oversight and support of VHTs' (Village Health Teams) activities, driving higher performance and more efficient reporting for supervisors.

Throughout Q3, we engaged extensively with partners to enhance our dashboard functionalities and overall system performance. Noteworthy improvements have already been implemented, including an upgraded dashboard with superior features that are receiving positive feedback from our clients.

Our commitment to refining and adapting our services to meet clients' needs remains steadfast. I extend my gratitude to our dedicated team, whose relentless efforts make these advancements possible.
We invite you to continue this journey with us as we leverage Digital Public Goods to create meaningful change and positive impact in the lives of refugees and underserved communities.

Agnes Kabalyanga

MD - Guild Digital Foundation

Program Highlights

MOH Advocacy

Guild Digital continues to strengthen its commitment to the digitization of healthcare delivery in Uganda by actively participating in weekly implementers' meetings for electronic Community Health Information System (eCHIS).

Additionally, Guild Digital is also attending monthly meetings of the Health Information and Innovation Research Exchange (HIIRE) Task Working Groups. This engagement allows Guild Digital to contribute to the research and development of innovative digital health solutions and stay updated on the latest trends in the field.

This involvement positions Guild Digital as a key player in the national effort to improve healthcare services through digital innovation.

User Experience Research With Medic

The rCHMIS app has proven to be a valuable tool for Community Health Workers (CHWs), helping streamline their tasks and improve healthcare delivery. Interviews conducted by Guild Digital and Medic with CHWs using the app highlighted its effective integration into daily routines, particularly for follow-ups, patient visits, and screenings. The app's "Tasks" tab serves as a dashboard to keep CHWs organized, while its search feature simplifies accessing patient records.

However, CHWs pointed out challenges such as inconsistent death reporting procedures, data access costs, and the need for better infrastructure (e.g., bicycles, raincoats, internet access, chargers). By addressing these concerns, the app's functionality can be further optimized, supporting CHWs in delivering quality care.

Community Updates

rCHMIS Deployment in Makindye Division

In the past quarter, Guild Digital focused on enhancing healthcare delivery and impact evaluation through the rCHMIS platform in urban refugee communities in Kampala, specifically at Kabalagala Youth Center. Collaborating with Africa Humanitarian Action and Kampala City Council Authority, they conducted a comprehensive training for Community Health Workers (CHWs) and Village Health Teams (VHTs) from Makindye Division.

The training, held from July 9th to 10th, 2024, engaged 30 VHTs and 10 coordinators and included interactive sessions, hands-on exercises, and real-world case studies. A shadowing exercise on July 13th allowed the VHTs to apply their skills using the rCHMIS mobile application for household registration and data collection.

The VHTs showed strong enthusiasm for the rCHMIS platform, and the initiative provided insights for future platform enhancements and deployments. This effort empowers CHWs to play a key role in healthcare coordination and impact evaluation in urban settings.


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Product Highlights

Design

Starting in August, we initiated weekly design sprints focused on the AHA mental health project, which aims to support refugees facing various mental health challenges. The AHA team shared their initial vision, which we captured and visualized in Miro. These design sprints not only facilitated our understanding of the project but also allowed us to provide essential technical advice on its feasibility. For more detailed insights into our design decisions, please refer to the <u>Mental Health Project Design</u> document. The next phase involves creating demos to share with stakeholders and progressing towards the development of the requested platforms.
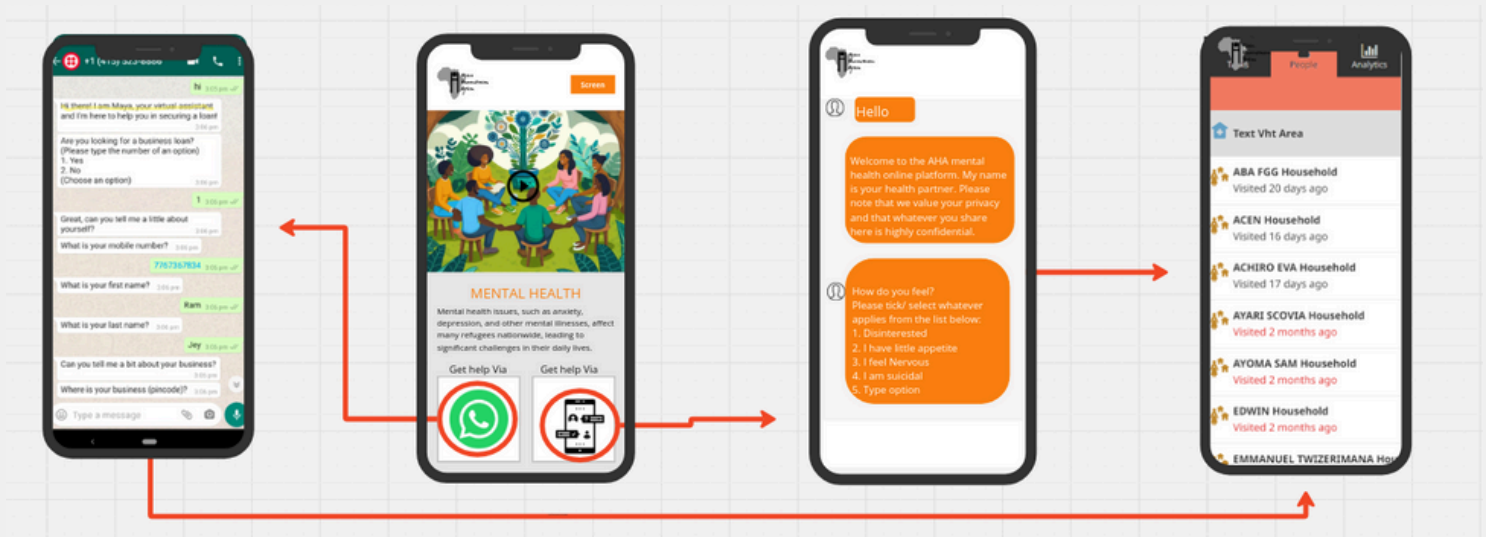
Configuration

Our product journey has been marked by substantial progress and noteworthy achievements. We successfully upgraded our production instance from v3.17.0 to v4.10.0, and similarly enhanced our development instance, used for training and testing, from v4.6.0 to v4.10.0. These advancements have laid the groundwork for implementing supervisor workflows in the production environment, enabling supervisors to seamlessly access and utilize the application.

Additionally, we launched a new mobile application, the rCHMIS App (v1.4.0), now available on the Play Store. This app is fully compatible with the upgraded production environment, allowing Village Health Teams (VHTs) to access the system and significantly improve their effectiveness in the field.

Looking ahead, we are excited about upcoming features, including upgrading to v4.12.0 and transitioning from Cough 2PG to CHT Sync, a tool designed to transfer data from the Cough database to the PostgreSQL database.

Our core technology stack includes the use of Community Health Toolkit (CHT) to develop our environments, AWS for managing and upgrading those environments, and Apache Superset to visualize and analyze the data collected. These tools have been pivotal in driving our product's success and ensuring seamless performance.

Impact - Beyond Numbers

Settlements	VHTs Supported	HH Reached	Children UnderFive	Women of Reproductive Age	Population Covered	Settlement Size
Rhino Camp & Mvepi	466	69.4k	9.32k	17k	10.6k	235,784
Bididbidi	405	18.6k	9.67k	18.6k	75.4k	202,102
Nakivale & Oruchinga	399	14.6k	12.1k	16.4k	69.9k	210,290
Kyaka II	341	29.5k	22.2k	38.6k	142k	123,873
Adjumani	300	14.5k	12.1k	21.9k	84.7k	225.570
Palorinya	134	5.37k	3.5k	9.47k	31.2k	121456
Rwamwanja	248	129k	12.9k	15k	68.3k	99,072
Kyangwali	229	18.2k	11.8k	21.7k	76.5k	132,872
Palabek	174	4.05k	3.05k	4.94k	20.7k	84,936
Kiryandongo	165	12.9k	9.77k	20.8k	72.2k	65,909
Urban/Makindye-Kampala	29	2.73k	1.08k	2.34k	7.35k	151,630
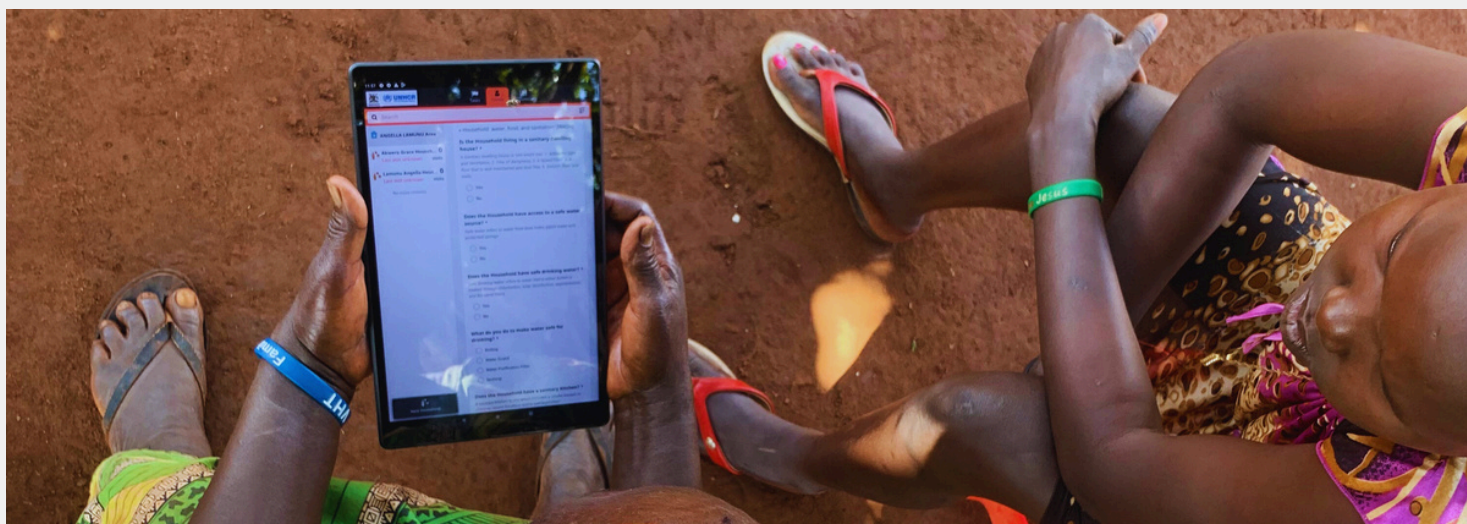
123,920 Number of Children aged 5 and below, reached by a refugee volunteer.

57.5K Of the Households have an Improved Pit Latrine.(VIP)

28.9K Households that have no access to a clean water sauce

149,000 Number of Households where a VHT has provided care.

Organizational Development

Q3 Review Meeting

In our recent quarterly meeting, the team's feedback highlighted a significant and positive shift in our work culture. Over the past two years, we've steadily built a more collaborative and energetic environment, and it was clear during this session that these efforts are paying off. The energy in the room was the highest it's ever been, with team members expressing a strong sense of unity and motivation. This progress marks an important milestone in our journey, and we're excited to continue fostering this momentum as we move forward together.

Pulse Check

Our Pulse Check meeting at Guild serves as a dedicated time for us to collectively reflect on our individual experiences and overall well-being as team members every quarter. In these sessions, we openly discuss how we are managing our work gauging the meaningfulness of our tasks and it's impact to the people we serve objectively.
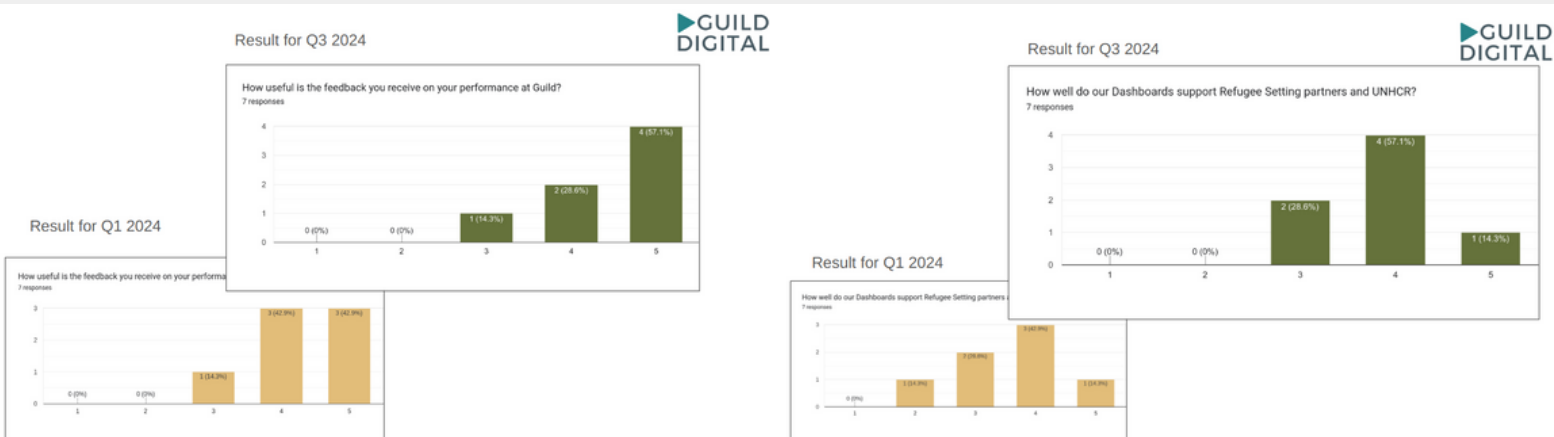
New Team Member

Josephat Juma

Josephat Juma is a versatile software developer with expertise in JavaScript, TypeScript, Java, React, React Native, Vue.js, SQL, PHP, Firebase, MongoDB, Node.js, Express.js, and NestJS. He is passionate about creating user-friendly and innovative applications, with a focus on leveraging technology to transform processes and solve real-world challenges.

At Guild Digital Foundation, Josephat plays a key role in maintaining and optimizing digital health systems, utilizing tools like the Community Health Toolkit (CHT) and data visualization platforms such as Superset to support decision-making and enhance health outcomes. His contributions span across system enhancements, dashboard management, and the integration of data-driven solutions.

What have you been working on in the last quarter?

Over the past quarter, I focused on learning and familiarizing myself with the various tools and technologies used at Guild Digital, including CHT and Superset, to ensure I could effectively maintain them. My responsibilities included creating accounts for dashboard users and upgrading Superset from version 3.0.0 to 3.1.3, which introduced some customizations. I also organized the weekly internal.

dashboard review meetings, during which we identified and addressed issues on the dashboards. I also made changes on the dashboards to resolve issues that were identified on the dashboards. Additionally, I contributed to the creation and publication of the 097B Report on the dashboards, sharing it with select users to gather feedback.

What are you most excited about?

I'm most excited about the opportunity to deepen my expertise in maintaining and optimizing our key tools like Superset and CHT. Upgrading Superset and contributing to reports like the 097B have shown me the impact of fine-tuning these technologies to support better decision-making. Looking ahead, I'm eager to explore new ways to enhance dashboard functionality and improve the overall user experience. The feedback we've gathered opens doors to creative improvements, and I'm excited to be at the forefront of that process.

Thank You

Over the next 3 months, we will continue to pursue continuous improvement and user driven product innovation to better serve our users and partners. We continue to streamline program on-boarding for new partners in the settlement. We remain committed to iterating on the rCHMIS based on user and partner feedback, incorporating new features such as line-listing for outbreak surveillance. We will complete the upgrade to the updated CHT v4.x core and embark on data quality reviews to support Supervisors and Health System managers to increase confidence in using data for decision making. We are looking to further optimize our technology spending by right-sizing our cloud infrastructure performance and availability. Look out for our first Data Science project and interoperability for national systems reporting.

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