



Progress Report

Project: **WINGS Guatemala - new computer systems to begin to implement mobile electronic medical records**

Project Reporting Dates: From: **June 15, 2020** To: **October 15, 2020**

Project Leader: **Pablo Contreras, IT Technician; Bernarda Jiménez, Monitoring & Evaluation Coordinator**

Summarize Project

In June 2020, WINGS received a grant of \$4,990.00 from the Forix Foundation to be used to purchase seven new computer systems to begin to implement mobile electronic medical records. This would allow for more efficient capture of patient data and easier data queries / decision making.

In the fall of 2019, WINGS' Monitoring & Evaluation Coordinator, Bernarda Jiménez and our IT Technician, Pablo Contreras began working to build an online electronic medical records (EMR) application that WINGS nurses would be able to use instead of paper patient charts. The app went into beta testing in January and February of 2020 and then was quickly put on pause when the pandemic hit. This pause gave Bernarda and Pablo a chance to improve the app so that when we reopened our clinic in June/July, we were able to use the app exclusively. This has been an ongoing and iterative process as nurses' needs and suggestions have been considered for each input screen. This new technology will allow our clinical teams to be more efficient and we are looking forward to our continued return to the field so that our mobile unit teams can build their comfort with using this app.

Pablo and Bernarda were the key staff in researching, designing, and implementing this project.

Progress

No issues have arisen and the project has been completed without difficulty.

Staffing

Pablo was responsible for getting appropriate price quotes and worked with our Finance Department to make the final purchases. No additional personnel were required.



Budget

The original budget was as follows.

Priority	Position	Equipment	WINGS employee	Estimate (USD)*
1	Nurse - Clinic	Mini Notebook	Delmi Ramirez	\$719.35
2	Nurse - Clinic Lead	Mini Notebook	Alexia Garcia	\$719.35
3	Nurse - Clinic	Mini Notebook	Under contract	\$719.35
8	Nurse - Mobile Unit	Mini Notebook	Elizabeth Mendez	\$719.35
5	Promotions - Antigua	DeskTop	Celeste/Luis	\$668.95
6	Promotions - Field	Mini Notebook	Josefina Cua	\$719.35
7	Nurse - Mobile Unit	Mini Notebook	Nelly Saquec	\$719.35
TOTAL				\$4,985.05

After revising the priorities of the team during COVID and reassessing the technology needs to run the new application, the following purchases were made:

Quantity	Description of Expense	Price (Quetzales)	Exchange Rate	Price (USD)	FORIX funds	WINGS funds
2	HP ProBook 450 G6 15.6 i5 8265U 4GB 1TB W10Pro Serie(s): 5CD91124Z5, 5CD9112502	Q 5,998	Q 7.60	\$ 789.21	\$1,578.42	\$ -
3	HP 440 G7 i5-10210U 4GB,1TB,WINDOWS 10 PRO Serie(s): 5CD0232Q11, 5CD0232Q5L, 5CD0232Q7K	Q 5,898	Q 7.60	\$ 776.05	\$2,328.16	\$ -
1	HP ProDesk 400 G6 (7ZE63LA#ABM) Windows 10 Pro 64 Intel® Core™ i7-9700 with Intel® UHD 630; 16 GB SDRAM DDR4-266 (2 x 8 GB)	Q 10,000	Q 7.60	\$1,315.79	\$1,083.42	\$232.37
Total					\$4,990.00	\$232.37



Other Funding

WINGS covered the additional \$232.37 out of unrestricted funds.

Milestones Current

The purchase of these new computer systems came at an incredibly opportune time: as our staff was coming back to work from strict stay at home orders that went into effect in mid-March because of the COVID-19 pandemic. When we came back to work in July, acquiring these new computers was the first item on the to do list. It meant that our nurses making phone calls to provide pre-appointment counselling could chart directly in our new EMR application from their home offices.

Milestones Future

WINGS will gradually update our IT systems so that we can align all of our clinical charting practices institution-wide.

Opinion

From Pablo:

“Personalmente estoy muy satisfecho con la computadora que me tocó, creo que llegaron en el mejor momento ya que nos han sido muy útiles para el trabajo desde casa por ser una herramienta muy importante para nuestro trabajo, y que es mejor es que con una computadora que funciona bien.”

Personally, I am very satisfied with the computer that I got. I think they arrived at the best time since they have been very useful for us to work from home because they are a very important tool for our work, and what’s better is that it’s with a computer that works well.

From our lead nurse, Tatiana, in the Western Highlands:

“Quiero agradecer el apoyo de la herramienta Laptop. Es de mucha ayuda para llevar a cabo múltiples actividades desde el hogar, principalmente para el ingreso de datos durante las llamadas de consejerías a pacientes interesadas para jornadas, ejecución de actividades administrativas, elaboración de informes narrativos entre otros.”

I want to thank the support of the Laptop tool. It is very helpful to carry out multiple activities from home, mainly for data entry during counseling calls to interested patients for clinic appointments, execution of administrative activities, and preparation of narrative reports, among others.