



EXECUTIVE SUMMARY

Document with Recommendations on Strengthening the PAIWEB Information System, Focused on Migrants

The Local Health System Sustainability Project (LHSS)

USAID Integrated Health Systems IDIQ

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Acronyms

AND	National Digital Agency (<i>Agencia Nacional Digital</i>)
DB	Database
ETL	Extraction, Transformation, and Loading
MSPS	Ministry of Health and Social Protection (<i>Ministerio de Salud y Protección Social</i>)
OTIC	Office of Information and Communication Technology (<i>Oficina de Tecnología de la Información y la Comunicación</i>)
PAI	Expanded Program on Immunization (<i>Programa Ampliado de Inmunizaciones</i>)
PEP	Special Permanence Permit (<i>Permiso especial de Permanencia</i>)
PDSP	Ten-Year Public Health Plan (<i>Plan Decenal de Salud Pública</i>)
PNV	National Vaccination Plan (<i>Plan Nacional de Vacunación</i>)

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Objective

The document with recommendations proposes improvements that can be made to strengthen the PAIWEB information system so that it contains information on vaccine administration among migrants and can generate statistics on the progress made under the National Immunization Program and COVID-19 vaccination effort.

Methodology

LHSS assessed the following functional components of the PAIWEB information system to identify recommendations for improving the system: 1) user registration and demographic information, and 2) the data model used to store the information, both focusing on the registration and identification of migrants so that further segmentation and analysis can be conducted. The Office of Information and Communication Technology (OTIC) team within the Ministry of Health and Social Protection (MSPS, per its Spanish acronym), which leads the technological and functional developments of PAIWEB, participated in this process.

Main Findings

Main findings include the identification of two key challenges in PAIWEB's functionality:

- In the *front-end* functional component of the system where users complete their visit and are registered (regardless of immunization program) requires users to first access the personal information and identification databases to access the biological application module. If the identification information is not available, the registration must be performed as a new user.
- PAIWEB doesn't have the *document type* nor the *nationality* field options for migrants or foreigners' registration. These fields should include options for users who have other document types, for example, diplomatic cards, foreigner cards, passports, and the Special Resident Permit, among others, as well as the list of different countries for users of other nationalities.

Recommendations

The assessment highlighted the importance of including information on the vaccination of migrants in PAIWEB, as this allows territorial entities to have statistical records of the vaccination coverage among this population. With this information, decision makers and health providers' vaccination teams will be able to develop and coordinate strategies to reduce the number of unvaccinated migrants while also strengthening their processes for monitoring if migrants have complete immunization schedules.

Validation of the deliverable and next steps

The head of the OTIC at the MSPS adopted the recommendations outlined in the deliverable on October 14th, 2021, and will advance with the implementation of the recommendations to reengineer the second version of the PAIWEB information system.