

Selection process #:.....

TERMS OF REFERENCE

Design of the architecture framework and guidelines for health interoperability in Paraguay.

Paraguay

PR-T1352

Technical Cooperation Number

<https://www.iadb.org/es/whats-our-impact/PR-T1352>

Support for Digital Transformation in Health

1. Background and Justification

- 1.1. The Inter-American Development Bank supported the Ministry of Public Health and Social Welfare (MSPBS) in the implementation of the RISS through the Early Childhood Development Program, which financed the integration of Early Childhood Development (ECD) services into the portfolio of the Integrated Health Services Networks (RISS), emphasizing the promotion and timely detection and treatment of lagging children's development. On the other hand, the Government of Paraguay and the Bank are in the start-up phase of the Program for Strengthening Integrated and Comprehensive Health Services Networks Based on Primary Health Care. Its objective is to promote the integration of the RISS based on PHC, strengthening the resolution capacity of primary and hospital care, as well as the support networks and the governance of the network, prioritizing maternal and child health care and NCDs, and HIV-AIDS and tuberculosis.
- 1.2. The Social Protection and Health Division (SPH) is responsible for the preparation and supervision of IDB operations in borrowing member countries in the areas of social protection (safety nets and social inclusion transfers and services including: early childhood development, youth programs, care services, and others), health (health capital investment strategies, health network strengthening, health system financing, organization and performance, etc.) and nutrition.
- 1.3. To complement this work, the Government of Paraguay is undertaking a digital transformation process, which includes the MSPBS. In September 2019, the MSPBS approved its roadmap for the digital transformation of the health sector, which presents components and products of the framework plan for digital transformation in health in Paraguay. Digital transformation refers to how technologies change above all the rules of engagement, the way we work and interact, and the way we think.
- 1.4. Digital transformation requires the alignment or buy-in of three main, interrelated components: 1) the mission, processes, and culture of the organization's work; 2) the people who do this work; and 3) the tools and technologies (including hardware and software) that people use to do the work. Successful digital transformation requires that the mission be supported with continuous improvement processes, motivated staff to support the change, and the necessary technologies.

2. Objectives

- 2.1. The objective of this consultancy is to develop the Architecture Framework and guidelines for

health interoperability in coordination with key stakeholders of the Ministry of Health and the National Health Service of Paraguay.

3. Scope of Services

3.1. For the scope of this consultancy, **phase 1, related to the design of the interoperability architecture, and phase 2, related to the development of interoperability guidelines**, must be completed. No implementation, governance, or change management is contemplated.

3.1.1. Phase 1: Data and application architecture

- Develop the interoperability architecture for each of the information and application subdomains to enable data organization and support health systems interoperability.
- Identify the candidate components of the architecture roadmap based on the gaps between current and future data and application architectures.

To achieve this, the following should be considered:

- 1) Select reference models and tools; 2) Develop current architecture description; 3) Develop future architecture description; 4) Perform gap analysis; 5) Define candidate roadmap components; 6) Resolve impacts across the architectural landscape; 7) Conduct formal proposal review with stakeholders; 8) Finalize future information systems architecture; 9) Create future information systems architecture definition document.

Deliverable: Report with the future interoperability and application architecture definition, considering items 1-9, and relevant components, interoperability requirements, catalogs, matrices, and diagrams.

3.1.2. Phase 2: Health systems interoperability guidelines

- Generate a comprehensive initial interoperability roadmap based on the gap analysis and candidate components of the Interoperability Architecture Roadmap.
- Determine if an incremental approach is required and, if so, identify transitional architectures that will provide continued business value.
- Define the overall solution building blocks to finalize the target architecture based on the architecture building blocks.

Deliverable: health systems interoperability guidelines based on the gap analysis and candidate components of the Interoperability Architecture Roadmap.

4. Key Activities

4.1. Review existing Government of Paraguay strategies and vision documents to understand the strategic context and priorities.

- 4.2. Develop and continuously maintain a stakeholder engagement and consultation approach to gather the required information from the Ministry of Public Health (MOH) and the National Health Service (NHS) and other health system stakeholders.
- 4.3. Plan, facilitate and document stakeholder engagement and consultation sessions.
- 4.4. Draft a conceptual plan that establishes a technical vision for a national architecture in Paraguay that is based primarily on open standards, open technologies, international standards, and global best practices and identify a development roadmap over a multi-year period.
- 4.5. Engage representatives from the MOH and SNS and other health system stakeholders to review and validate the plan to ensure support and consensus for the plan from all key stakeholders.
- 4.6. Review the finalized plan with senior health system and other stakeholders to support stakeholder buy-in and socialization.
- 4.7. Work with MOH and NHS representatives and other health system stakeholders to develop and validate the interoperability architecture and health interoperability guidelines in Paraguay.
- 4.8. Work with PHM and NHS representatives and other health system stakeholders to develop and validate the information architecture describing the model and data flows and information and messaging standards for the future state.
- 4.9. Establish a roadmap and work plan prioritizing the construction of the technical components.
- 4.10. Report on the status to the project manager within the IDB, MSP and the SNS.

5. Expected Outcome and Deliverables

- 5.1. **Deliverable 1.** Work plan and methodology.
- 5.2. **Deliverable 2.** Draft of the results of the interoperability architecture.
- 5.3. **Deliverable 3.** Final version of the interoperability architecture in Word format and executive presentation in PPT.
- 5.4. **Deliverable 4.** Draft Health Systems Interoperability Guidelines, based on the gap analysis and candidate components of the Interoperability Architecture Roadmap.
- 5.5. **Deliverable 5.** Final version of the Interoperability Guidelines for health systems in Paraguay in Word format and executive presentation in PPT.

6. Project Schedule and Milestones

Products	Schedule
Deliverable 1. Work plan and methodology.	30 days from the signing of the contract
Deliverable 2. Draft of the results of the interoperability architecture.	Up to 3 months after contract signature.
Deliverable 3. Final version of the interoperability architecture.	Up to 5 months after contract signature.
Deliverable 4. Draft Health Systems Interoperability Guidelines	Up to 8 months from contract signature.
Deliverable 5. Final version of the Interoperability Guidelines	Up to 10 months from contract signature.

7. Reporting Requirements

- 7.1. The reports must be written in Spanish and include the scope of the milestone or product developed, the description of the activities carried out, the methodology used, the achievements obtained, as well as a description of the recommendations made in relation to the project.

8. Acceptance Criteria

- 8.1. All reports must be in Spanish and sent in an electronic file, as required by the IDB, with evidence of progress in the activities defined in the work plan approved at the beginning of the project.
- 8.2. The firm must attach in digital form all the material (documents, instruments, databases, etc.) used or produced for the development of the consultancy. In addition, they must meet the following criteria:
- The activities in the report must be related to the objectives and associated with the stipulated phases of the project.
 - The activities must be developed within the estimated time schedule and if there is any modification, it must be duly justified.
 - The reports must contain evidence of the development of the activities and products.

9. Other Requirements

9.1. Firm's experience

Consulting firm with general experience in the area of enterprise and data technical architecture development, and specific experience in a healthcare environment with a minimum of 5 years of experience, preferably in Latin America and in the public sector. Experience working in an international context is highly desirable.

9.2. Key staff

- Project Manager:** professional with at least 3 years of health IT project management experience. Experience reporting to executive level stakeholders and managing diverse teams; Strong organizational skills; Ability to work independently without direct supervision. Team player, communication skills, articulation skills, problem solving, ability to work under pressure, and critical thinking. Bachelor's degree in health, computer science, health informatics or related field.
- Professional 1, Lead Architect:** professional with minimum of 5 years of experience developing technical enterprise architectures in a healthcare environment; minimum of 3 years of experience designing, developing and implementing healthcare solutions; experience developing technical architectures for regional or national health information systems; demonstrated experience planning and facilitating consultations with diverse stakeholder groups. Demonstrated experience modeling business processes using a variety of tools and techniques, and in the use of the TOGAF standard. Ability to apply architectural principles to business solutions; experience using model-based representations that can be adjusted as needed to collect, aggregate, or disaggregate complex and conflicting business information; ability to visualize and create high-level models that can be used in future analysis to extend and mature the enterprise architecture. Exceptional communication skills and the ability to communicate appropriately at all levels of the organization; this includes written and verbal communications as well as visualizations. Bachelor's degree in computer science, health informatics or related field.

- iii. **Professional 2, Information and Communication Technology Lead:** professional with a minimum of 5 years of experience developing healthcare IT solutions. Knowledge of healthcare interoperability standards. Exceptional communication skills and the ability to communicate appropriately at all levels of the organization; this includes written and verbal communications as well as visualizations. Bachelor's degree in computer science, health informatics or related field.

10. Supervision and Reporting

- 10.1. The Ministry of Health and the National Health Service will designate the technical team responsible for guiding the activities of the Consultancy. The Consulting Firm will designate a liaison for the coordination of actions and supervision of execution.
- 10.2. The Supervisor of the consultancy will be the Bank's Senior Health and Social Protection Specialist in the Paraguay Country Office (SPH/CDR).

11. Schedule of Payments

- 11.1. Payment terms will be based on project milestones or deliverables. The Bank does not expect to make advance payments under consulting contracts unless a significant amount of travel is required. The Bank wishes to receive the most competitive cost proposal for the services described herein.
- 11.2. The IDB Official Exchange Rate indicated in the RFP will be applied for necessary conversions of local currency payments.

Payment Schedule	
Description	%
Delivery and approval of Deliverable 1	10%
Delivery and approval of Deliverable 2 and 3	50%
Delivery and approval of Deliverable 4 and 5	40%
TOTAL	100%

SNOMED-CT Senior Implementation Consultant**Post of Duty: Paraguay**

The IDB Group is a community of diverse, versatile, and passionate people who come together on a journey to improve lives in Latin America and the Caribbean. Our people find purpose and do what they love in an inclusive, collaborative, agile, and rewarding environment.

About this position

The Social Sector (SCL) has a multidisciplinary team convinced that investing in people is the way to improve lives and overcome development challenges in Latin America and the Caribbean. Together with the countries of the region, the Social Sector builds public policy solutions to reduce poverty and improve the education, labor, social protection and health services that citizens receive. The Sector's work aims to promote a more productive region with equal opportunities for men and women and greater inclusion of the most vulnerable populations.

We are looking for an innovative and results-driven SNOMED-CT Senior Implementation Consultant. As a SNOMED-CT Senior Implementation Consultant, you will carry out the implementation of terminology services using the international standard SNOMED-CT to be applied in a Health Information System (HIS). You will work in the Social Protection and Health Division (SPH) of the Social Sector. This team is responsible for promoting the social inclusion of people living in poverty and vulnerability, as well as to support minimum consumption levels among the population living in extreme poverty.

What you'll do:

- **Requirements analysis:** Conduct a comprehensive analysis of the requirements and needs of the electronic health record system in Paraguay in relation to clinical terminology and information coding.
- **Design of the general process:** design the entire process of registration, storage and use of the clinical information entered in a clinical act or episode in the SIS platform.
- **Design of terminology services:** Design terminology services based on SNOMED-CT that meet the identified requirements.
- **Configuration and integration:** Advise on the configuration and adaptation of the SIS platform for the correct integration of terminology services.
- **Implementation of SNOMED-CT:** Perform the implementation of SNOMED-CT in the electronic health record system, ensuring the correct adoption and use of standard clinical terminology in the different modules and components of the system.
- **Testing and validation:** Perform comprehensive testing of the implemented terminology services to ensure their correct functioning and validity.
- **Training and knowledge transfer:** Provide training to staff involved in the use and management of the implemented terminology services.
- **Documentation and deliverables:** Generate technical and functional documentation describing the implemented terminology services, configurations made, mapping processes and any other relevant aspects. In addition, deliver periodic progress and results reports.
- **Support and technical assistance:** Provide support and technical assistance after the implementation of the terminology services, answering queries, solving problems and making improvements or adjustments as needed.

Deliverables and Payments Timeline:

<u>Deliverable #</u>	<u>Percentage</u>	<u>Planned Date to Submit</u>
Deliverable 1. Work plan	20%	
Deliverable 2. Requirements analysis and design of terminology services	15%	
Deliverable 3. Successful implementation	20%	
Deliverable 4. Technical validation tests	15%	
Deliverable 5. Training Material	15%	
Deliverable 6. Progress reports or results	15%	

What you'll need

- **Education:** Bachelor's degree (or equivalent advanced degree) in Computer and Systems Engineering or other fields relevant to the responsibilities of the role. Relevant certifications and published contributions are considered an asset.
- **Experience:** At least 5 years of progressive experience in implementation of a similar system and its maintenance in terminology services in a health care facility. Advanced and documented knowledge of the SNOMED-CT standard. Advanced and documented knowledge of Electronic Medical Records. Training experience and previous specific project cases are considered an asset.
- **Languages:** Proficiency in Spanish and one of the other Bank official languages (English, French or Portuguese) is required.

Key skills:

- Willingness and ability to work as part of a team.
- Oral and written communication skills.
- Proactive and positive attitude.
- Ability to relate to interdisciplinary teams.
- Ability for training and coaching activities.

Requirements:

- **Citizenship:** You are either a citizen of Paraguay or a citizen of one of our 48-member countries eligible to obtain a valid residency or legal permit to work in XXX without the need for sponsorship by the IDB.
- **Consanguinity:** You have no family members (up to the fourth degree of consanguinity and second degree of affinity, including spouse) working at the IDB, IDB Invest, or IDB Lab.

Type of contract and duration:

- **Type of contract:** Products and External Services Consultant (PEC), Lump Sum.
- **Length of contract:** XX months.

What we offer

The IDB group provides benefits that respond to the different needs and moments of an employee's life. These benefits include:

- A **competitive compensation** package.
- A flexible way of working. You will be evaluated by deliverable.

Our culture

At the IDB Group we work so everyone brings their best and authentic selves to work, willing to try new approaches without fear, and where they are accountable and rewarded for their actions.

Diversity, Equity, Inclusion and Belonging (DEIB) are at the center of our organization. We celebrate all dimensions of diversity and encourage women, LGBTQ+ people, persons with disabilities, Afro-descendants, and Indigenous people to apply.

We will ensure that individuals with disabilities are provided reasonable accommodation to participate in the job interview process. If you are a qualified candidate with a disability, please e-mail us at diversity@iadb.org to request reasonable accommodation to complete this application.

Our Human Resources Team reviews carefully every application.

About the IDB Group

The IDB Group, composed of the Inter-American Development Bank (IDB), IDB Invest, and the IDB Lab offers flexible financing solutions to its member countries to finance economic and social development through lending and grants to public and private entities in Latin America and the Caribbean.

About IDB

We work to improve lives in Latin America and the Caribbean. Through financial and technical support for countries working to reduce poverty and inequality, we help improve health and education and advance infrastructure. Our aim is to achieve development in a sustainable, climate-friendly way. With a history dating back to 1959, today we are the leading source of development financing for Latin America and the Caribbean. We provide loans, grants, and technical assistance; and we conduct extensive research.

We maintain a strong commitment to achieving measurable results and the highest standards of integrity, transparency, and accountability.

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Selection process #:.....

TERMS OF REFERENCE

Consultancy to manage the digital Connectathon for the Paraguayan health system

Paraguay

PR-T1352

Technical Cooperation Number

<https://www.iadb.org/es/whats-our-impact/PR-T1352>

Support for Digital Transformation in Health

1. Background and Justification

- 1.1. The Inter-American Development Bank supported the Ministry of Public Health and Social Welfare (MSPBS) in the implementation of the RIIS through the Early Childhood Development Program, which financed the integration of Early Childhood Development (ECD) services into the portfolio of the Integrated Health Services Networks (RIIS), emphasizing the promotion and timely detection and treatment of lagging children's development. On the other hand, the Government of Paraguay and the Bank are in the start-up phase of the Program for Strengthening Integrated and Comprehensive Health Services Networks Based on Primary Health Care. Its objective is to promote the integration of the RIIS based on PHC, strengthening the resolution capacity of primary and hospital care, as well as the support networks and the governance of the network, prioritizing maternal and child health care and NCDs, and HIV-AIDS and tuberculosis.
- 1.2. The Social Protection and Health Division (SPH) is responsible for the preparation and supervision of IDB operations in borrowing member countries in the areas of social protection (safety nets and social inclusion transfers and services including early childhood development, youth programs, care services, and others), health (health capital investment strategies, health network strengthening, health system financing, organization and performance, etc.) and nutrition.
- 1.3. To complement this work, the Government of Paraguay is undertaking a digital transformation process, which includes the MSPBS. In September 2019, the MSPBS approved its roadmap for the digital transformation of the health sector, which presents components and products of the framework plan for digital transformation in health in Paraguay. Digital transformation refers to how technologies change above all the rules of engagement, the way we work and interact, and the way we think.
- 1.4. Digital transformation requires the alignment or buy-in of three main, interrelated components: 1) the mission, processes, and culture of the organization's work; 2) the people who do this work; and 3) the tools and technologies (including hardware and software) that people use to do the work. Successful digital transformation requires that the mission be supported with continuous improvement processes, motivated staff to support the change, and the necessary technologies.
- 1.5. In this sense, the Connectathon is an activity that brings together different actors in the sector for one day in one place, mainly health service providers and their health information system developers, in order to validate the use of health interoperability standards.

2. Objectives

- 2.1. To provide an integral and specialized accompaniment of different types of services for the development of the connectathon, including the location, image of the event, technological infrastructure and workstations, as well as human and logistical resources.

3. Scope of Services

- 3.1.1. Provide event location, venue and workstation infrastructure for 200 event participants
- 3.1.2. Provide on-site connectivity services under wireless network for 200 participants.
- 3.1.3. Provide a 200 MB bandwidth communications channel to the Internet
- 3.1.4. Provide the registration system for the event, with bag and badge for 200 participants.
- 3.1.5. Provide a 4.50mt x 2.30mt LED screen and 2 x 50 inch screens. Include power sockets and 150 meters of cables and sound equipment necessary for the event.
- 3.1.6. Provide coffee and beverage station services
- 3.1.7. To provide human resources for logistical support to the event.

4. Key Activities

- 4.1. Conduct meetings of understanding and preparation with the technical team of the Ministry of Health.
- 4.2. Carry out the work plan, which must be approved by the Ministry of Health team.
- 4.3. Ensure connectivity inputs for 200 people.
- 4.4. Elaborate the design of the communication pieces and material necessary for the Connectathon.
- 4.5. Design the data network to be implemented in the Connectathon.
- 4.6. Set up the infrastructure one day in advance to carry out connectivity stress tests.
- 4.7. Elaborate the Connectathon memories, including the photographic and video record, the attendance list by entity and region.

5. Expected Outcome and Deliverables

- 5.1. **Deliverable 1:** Work plan, indicating timeline and deliverables within the framework of the planning of the planning of the Connectathon.
- 5.2. **Deliverable 2:** Design of the event's communications material to be used as the event's image and design of the data network to be implemented at the event. and design of the data network to be implemented in the event.
- 5.3. **Deliverable 3:** Memories of the event, which includes the photographic and video record; report of attendance at the event by entities and region

6. Project Schedule and Milestones

Products	Schedule
Deliverable 1. Work plan	Beginning of the project
Deliverable 2. Design of the event's communications material	30 days after beginning the project
Deliverable 3. Memories of the event	60 days after beginning the project

7. Reporting Requirements

- 7.1.** The reports must be written in Spanish and include the scope of the milestone or product developed, the description of the activities carried out, the methodology used, the achievements obtained, as well as a description of the recommendations made in relation to the project.

8. Acceptance Criteria

- 8.1.** All reports must be in Spanish and sent in an electronic file, as required by the IDB, with evidence of progress in the activities defined in the work plan approved at the beginning of the project.
- 8.2.** The firm must attach in digital form all the material (documents, instruments, databases, etc.) used or produced for the development of the consultancy. In addition, they must meet the following criteria:
- The activities in the report must be related to the objectives and associated with the stipulated phases of the project.
 - The activities must be developed within the estimated time schedule and if there is any modification, it must be duly justified.
 - The reports must contain evidence of the development of the activities and products.

9. Supervision and Reporting

- 9.1.** The Ministry of Health and the National Health Service will designate the technical team responsible for guiding the activities of the Consultancy. The Consulting Firm will designate a liaison for the coordination of actions and supervision of execution.
- 9.2.** The Supervisor of the consultancy will be the Bank's Senior Health and Social Protection Specialist in the Paraguay Country Office (SPH/CDR).

10. Schedule of Payments

- 10.1.** Payment terms will be based on project milestones or deliverables. The Bank does not expect to make advance payments under consulting contracts unless a significant amount of travel is required. The Bank wishes to receive the most competitive cost proposal for the services described herein.
- 10.2.** The IDB Official Exchange Rate indicated in the RFP will be applied for necessary conversions

of local currency payments.

Payment Schedule	
Description	%
Deliverable 1. Work plan and methodology	20%
Deliverable 2. Design of the event's communications material	40%
Deliverable 3. Memories of the event	40%
TOTAL	100%

Selection process #:.....

TERMS OF REFERENCE

Terminology Services (TS) Consultancy

Paraguay

PR-T1352

Technical Cooperation Number

<https://www.iadb.org/es/whats-our-impact/PR-T1352>

Support for Digital Transformation in Health

1. Background and Justification

- 1.1. The Inter-American Development Bank supported the Ministry of Public Health and Social Welfare (MSPBS) in the implementation of the RISS through the Early Childhood Development Program, which financed the integration of Early Childhood Development (ECD) services into the portfolio of the Integrated Health Services Networks (RISS), emphasizing the promotion and timely detection and treatment of lagging children's development. On the other hand, the Government of Paraguay and the Bank are in the start-up phase of the Program for Strengthening Integrated and Comprehensive Health Services Networks Based on Primary Health Care. Its objective is to promote the integration of the RISS based on PHC, strengthening the resolution capacity of primary and hospital care, as well as the support networks and the governance of the network, prioritizing maternal and child health care and NCDs, and HIV-AIDS and tuberculosis.
- 1.2. As a strategic component for the development of clinical information systems, it is necessary to provide the healthcare ecosystem with a set of terminology tools that will allow them to advance in the use of national catalogs and international terminologies. To this end, a terminology server is required to provide a set of services associated with clinical domains and catalogs. This TS will make services available to health institutions, which will have to access them through the connectivity policies established.
- 1.3. Regarding the use of the contents, they shall include all the current and future knowledge base of the TS provided by the supplier, and in turn shall incorporate those sets or subsets defined by the technical areas of the Ministry of Health in agreement with the service provider. For this, the provider will make available a process of continuous content maintenance, so that the technical teams of the Ministry of Health actively participate in the modeling of terms and synonyms.
- 1.4. This knowledge of terms should be modeled for its incorporation as an extension of Snomed-CT. The set of necessary subsets and the mappings to international standards required for the registration of clinical information in the clinical information systems of health care providers will be incorporated.

2. Objectives

- 2.1. Successful self-coding of terms
- 2.2. Modeling of new terms
- 2.3. SNOMED-CT code return
- 2.4. Generation of reports using other classifications
- 2.5. Creation of term groups for specific purposes

2.6. Mapping of new classifications to the terminology server.

2.7. Retrieval of classifications developed for the Institution

3. **Key Activities**

3.1. Implement a quality management process for terms and synonyms, in agreement with the Ministry of Health, in order to provide feedback to the knowledge base and generate the national codes required by health care providers.

3.2. Consider aspects of usability and the business process associated with the use of STs by health care providers.

4. **Expected Outcome and Deliverables**

4.1. **Product 1.** Four training workshops on TS

4.2. **Product 2.** Document on the proper use of Terminology Services

4.3. **Product 3.** Three updates of SNOMED CT Extension available in the TS

4.4. **Product 4.** Monthly services, including:

- Monthly report on the consumption of terminology services.
- Monthly report of service indicators (SLA).
- Monthly report of the indicator of compliance with the delivery date of the assignments and/or functionalities.
- Weekly review of the terms suggested by the health organizations, reporting the progress to the Ministry of Health. In the event that the terms exceed 500 total new terms weekly a progress schedule will be developed jointly.
- Maintenance and updating of the necessary mappings.
- Transfer of the necessary knowledge to the Ministry of Health team so that it can carry out and promote the adequate use of the TS.

5. **Project Schedule and Milestones**

Products	Schedule
Deliverable 1	Within the 12-months period
Deliverable 2	Up to 3 months after contract signature.
Deliverable 3	Up to 8 months after contract signature.
Deliverable 4	Throughout the execution of the contract.

6. **Reporting Requirements**

6.1. The reports must be written in Spanish and include the scope of the milestone or product developed, the description of the activities carried out, the methodology used, the

achievements obtained, as well as a description of the recommendations made in relation to the project.

7. Acceptance Criteria

- 7.1.** All reports must be in Spanish and sent in an electronic file, as required by the IDB, with evidence of progress in the activities defined in the work plan approved at the beginning of the project.
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- The activities in the report must be related to the objectives and associated with the stipulated phases of the project.
 - The activities must be developed within the estimated time schedule and if there is any modification, it must be duly justified.
 - The reports must contain evidence of the development of the activities and products

8. Supervision and Reporting

- 8.1.** The consumption of the STs will be provided to the Ministry of Health and to all health care providers.
- 8.2.** The Supervisor of the consultancy will be the Bank's Senior Health and Social Protection Specialist in the Paraguay Country Office (SPH/CDR).

9. Schedule of Payments

- 9.1.** Payment terms will be based on project milestones or deliverables. The Bank does not expect to make advance payments under consulting contracts unless a significant amount of travel is required. The Bank wishes to receive the most competitive cost proposal for the services described herein.
- 9.2.** The IDB Official Exchange Rate indicated in the RFP will be applied for necessary conversions of local currency payments.

Payment Schedule	
1. Upon signing of the contract	25%
2. 4 months after contract signature	25%
3. 8 months after contract signature	25%
4. 12 months after contract signature	25%
TOTAL	100%

Digital Health Case Study Consultant

Post of Duty: Paraguay

The IDB Group is a community of diverse, versatile, and passionate people who come together on a journey to improve lives in Latin America and the Caribbean. Our people find purpose and do what they love in an inclusive, collaborative, agile, and rewarding environment.

About this position

We are looking for a creative storyteller and strategic communicator to author a case study on a digital health project in Paraguay. As the Digital health Case study Consultant you will review documentation, interview team members and author a case study following SPH and KIC guidelines. You will work with the Digital Health Team as part of Social Protection and Health (SPH) division.

The Social Sector (SCL) is a multidisciplinary team convinced that investing in people is the way to improve lives and overcome the development challenges in Latin America and the Caribbean. Jointly with the countries in the region, the Social Sector formulates public policy solutions to reduce poverty and improve the delivery of education, work, social protection, and health services. The objective is to advance a more productive region, with equal opportunities for men and women, and greater inclusion of the most vulnerable groups.

The Social Protection and Health Division (SPH) is tasked with the preparation and supervision of IDB operations in borrowing member countries in the areas of social protection (safety nets and transfers and services for social inclusion which include: early childhood development, youth programs, care services for dependency, among others), health (health capital investment strategies, health networks strengthening, health system financing, organization and performance, etc.) and nutrition.

What you'll do:

- Author a case study on the digital health project in Paraguay as part of the SPH Digital Health Case Study Series.
- Create work plan and methodology for consultancy.
- Review existing materials on the project and previous IDB publications in case study series and SPH Digital Health Flagship.
- Create survey instrument and map key stakeholders collecting key information regarding processes, costs, and impacts of the project, among other information.
- Travel to countries and conduct and transcribe in-person and virtual interviews with key stakeholders.
- Draft case study in Spanish, answering questions such as: what was achieved; how did they do it (link to the 6 dimensions of the IDB digital house); lessons learned during implementation; what now/next steps; scale/sustainability.
- Systematize photos, video, websites and other media available to include in the case study.
- Finalize each case study in Spanish.

Deliverables and Payments Timeline:

<u>Deliverable</u>	<u>Percentage</u>	<u>Planned Date to Submit</u>
Product No. 1: Workplan & Methodology	25%	
Product No. 2: Case study outline, Survey instruments & stakeholders	25%	
Product No. 3: 1st Draft of Case Studies 1 and 2	25%	
Product No. 4: 2nd Draft of Case Studies 1 and 2	25%	

What you'll need

- **Education:** Master's degree (preferred) in communications/journalism, history, politics or related fields.
- **Experience:** at least 10 years of professional experience
- **Languages:** Proficiency in Spanish is required. Knowledge of English is considered a plus.

Key skills:

- Proven knowledge and experience in writing reports.
- Proven knowledge and experience in conducting interviews.
- Excellent written and oral communication skills.
- Excellent analytical capabilities.
- Excellent management and collaboration skills, with experience in working independently at a distance.
- Excellent project management skills.
- Familiarity with the areas of public health and technology

Requirements:

- **Citizenship:** You are either a citizen of Paraguay or a citizen of one of our 48-member countries eligible to obtain a valid residency or legal permit to work in Paraguay without the need for sponsorship by the IDB.
- **Consanguinity:** You have no family members (up to fourth degree of consanguinity and second degree of affinity, including spouse) working at the IDB Group.
- **COVID-19 considerations:** the health and safety of our employees are our number one priority. As a condition of employment, IDB requires all new hires to be fully vaccinated against COVID-19.

Type of contract and duration:

- **Type of contract:** Products and External Services Consultant (PEC), Lump Sum.
- **Length of contract:** 76 days in a period of 6 months

What we offer

The IDB group provides benefits that respond to the different needs and moments of an employee's life. These benefits include:

- A **competitive compensation** package.
- A flexible way of working. You will be evaluated by deliverable.

Our culture

At the IDB Group we work so everyone brings their best and authentic selves to work, willing to try new approaches without fear, and where they are accountable and rewarded for their actions.

Diversity, Equity, Inclusion and Belonging (DEIB) are at the center of our organization. We celebrate all dimensions of diversity and encourage women, LGBTQ+ people, persons with disabilities, Afro-descendants, and Indigenous people to apply.

We will ensure that individuals with disabilities are provided reasonable accommodation to participate in the job interview process. If you are a qualified candidate with a disability, please e-mail us at diversity@iadb.org to request reasonable accommodation to complete this application.

Our Human Resources Team reviews carefully every application.

About the IDB Group

The IDB Group, composed of the Inter-American Development Bank (IDB), IDB Invest, and the IDB Lab offers flexible financing solutions to its member countries to finance economic and social development through lending and grants to public and private entities in Latin America and the Caribbean.

About IDB

We work to improve lives in Latin America and the Caribbean. Through financial and technical support for countries working to reduce poverty and inequality, we help improve health and education and advance infrastructure. Our aim is to achieve development in a sustainable, climate-friendly way. With a history dating back to 1959, today we are the leading source of development financing for Latin America and the Caribbean. We provide loans, grants, and technical assistance; and we conduct extensive research. We maintain a strong commitment to achieving measurable results and the highest standards of integrity, transparency, and accountability.

Follow us:

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<https://www.facebook.com/IADB.org>

https://twitter.com/the_IDB

Support to the General Directorate of Information and Communication Technology (DGTIC) of the Ministry of Public Health of Paraguay in the review and implementation of the Digital Health Transformation Framework Consultant

Post of Duty: Paraguay

The IDB Group is a community of diverse, versatile, and passionate people who come together on a journey to improve lives in Latin America and the Caribbean. Our people find purpose and do what they love in an inclusive, collaborative, agile, and rewarding environment.

About this position

The Social Sector (SCL) has a multidisciplinary team convinced that investing in people is the way to improve lives and overcome development challenges in Latin America and the Caribbean. Together with the countries of the region, the Social Sector builds public policy solutions to reduce poverty and improve the education, labor, social protection and health services that citizens receive. The Sector's work aims to promote a more productive region with equal opportunities for men and women and greater inclusion of the most vulnerable populations.

We are looking for a highly motivated, innovative, and results-driven Information and Communication Support Consultant. As an Information and Communication Support Consultant, you will support the Directorate General of Information and Communication Technologies (DGTIC) of the Ministry of Public Health and Social Welfare (MSPBS) in the review and implementation of the priority activities of the Digital Health Transformation (TDS) framework and in the monitoring of the TDS roadmap.

You will work in the Social Protection and Health Division (SPH) of the Social Sector. This team is responsible for promoting the social inclusion of people living in poverty and vulnerability, as well as to support minimum consumption levels among the population living in extreme poverty.

What you'll do:

- Review and contribute to update the annual operational plan of activities defined in the MSPBS Digital Transformation Framework, by working closely with the DGTIC and SPH teams.
- Update the TDS roadmap based on the progress and include newly identified activities. Work with the digital health team and MSPBS to identify prioritized activities for funding.
- Arrange bi-monthly meetings with MSPBS and DGTIC teams to review the progress, identify risks and propose solutions proactively.
- Supervise the progress of MSPBS system strengthening processes funded by the Digital Agenda Support Program. Facilitating collaboration opportunities with the Ministry of Information and Communication Technologies (MITIC) in the TDS field.
- Support the following work areas: (i) reviewing, consensus-building, and approving of the security and data privacy architecture of the system; (ii) analyzing information systems and designing the interoperability platform through the development of guides (including data model) and collaborative connectivity efforts (connectathons).
- Review and adapt the Digital Hospital pilot report to a general audience format.
- Support in the coordination of activities and review of the communication products and TDS roadmap, including its development and strategic action implementation.
- Keep the Bank informed of the status of these activities and prepare reports with the main findings, tasks performed and recommendations.

Deliverables and Payments Timeline:

<u>Deliverable</u>	<u>Percentage</u>	<u>Planned Date to Submit</u>
Product 1: Work Plan	20%	2 weeks after signing the contract
Product 2: Mid-term progress report on priority activities.	20%	2 months after signing the contract
Product 3: Revised Digital Hospital pilot case study and TDS roadmap document.	30%	4 months after signing the contract
Product 4: Final report describing implemented tasks and recommendations for moving forward with the TDS Framework.	30%	6 months after signing the contract

What you'll need

- **Education:** Master's degree (or equivalent advanced degree) in computer science, systems engineering, computer science, health/hospital administration, public health or business administration, or other fields relevant to the responsibilities of the role.
- **Experience:** At least 10 years of experience in strategic planning management of information and data systems, preferably with knowledge of e-health, digital health or other health information systems.
- **Languages:** Proficiency in spoken and written Spanish.

Key skills:

- Teamwork
- Communication skills
- Autonomy to organize and manage work plans.
- Ability to identify needs and interests and translate them into viable technical proposals.

Requirements:

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Type of contract and duration:

- **Type of contract:** Products and External Services Consultant (PEC), Lump Sum.
- **Length of contract:** 6 months.
- **Work Location:** Remote.

What we offer

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