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Digital transformation in practice: Challenges and opportunities in Latin America & the Caribbean

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Digital transformation in practice: Challenges and opportunities in LAC

- Background & Context: IDB and our work in digital health
- Examples of IDB's work related to AI and digital transformation in health and social protection
- Opportunities & Challenges
- Upcoming work & learning agenda

The Interamerican Development Bank

The IDB is the main source of multilateral financing and expertise for sustainable economic, social and institutional development in Latin America and the Caribbean

The IDB is owned by 48 member states, of which 26 are borrowing members

Source: IDB

Social Protection and Health (SPH) Division: Our Digital Health Projects

Challenge

CASMU
Centro de
Asistencia del
Sindicato Médico
del Uruguay
CONECTATÓN2016

Describe the future state we want to build

Identify the technologies that help us to build that future

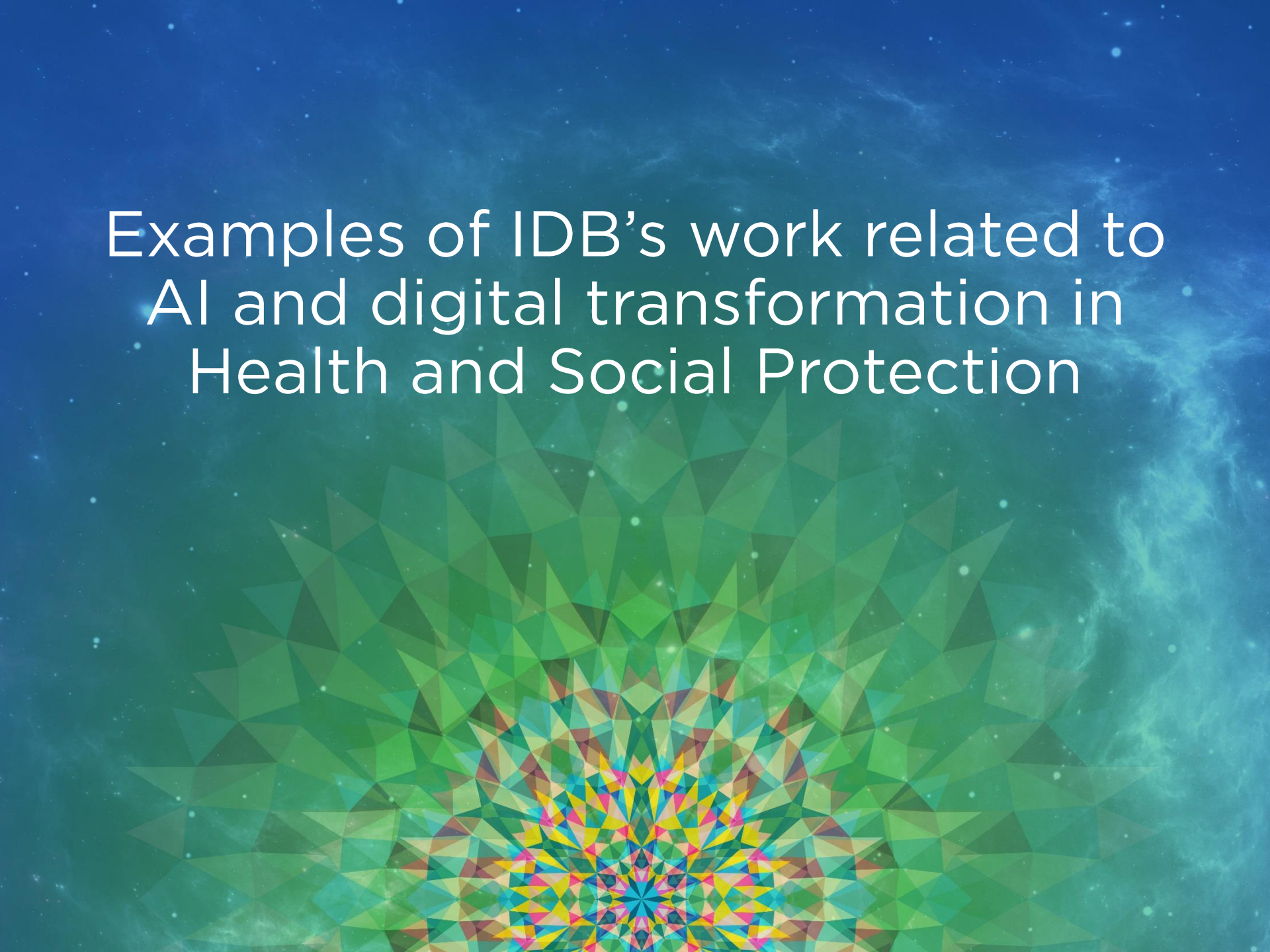
Define and build the digital ecosystem we need to support those technologies

IDB

Success requires the mission to be supported with *continuosly improving processes, motivated staff who support change and the useful and usable technologies* that they would use.

Nelson, J., L. Tejerina, G. Cafagna et al. 2019. "Social Protection and Health Division's Approach to Digital Transformation: Guidelines and Recommendations." Washington, DC, United States

Examples of IDB's work related to AI and digital transformation in Health and Social Protection



Tras Sisbén 4 arranca era del registro social: director del DNP

Se trata de la más poderosa base de datos que haya tenido el país para reducir uso de los recursos de subsidios, focalizándolos a partir de información cruzada

MARTHA MORALES MANCHEGO Y MAURICIO GALINDO CABALLERO - EL TIEMPO | @marthamoralesm @galmau

a protección social en Colombia está en medio de un revolcón, y lo que viene -en el corto plazo- tiene todo con la información que el Sisbén 4, cuya entrada en vigor ya está próxima, de lo cual se iniciará la registro social, es decir, poderosa base de datos que haya contado el país cial, que permitirá ga- un enfoque más certe- asto en subsidios. ién están en camino la entación del piso mínimo protección, la radica- la reforma de la protec la vejez y las nueva me- ara una mejor inversión egalías, lo que, en con- eberá ayudar a revertir encia alcista del desem- impulsar el crecimien- economía. estos temas habló con MPO el director de Pla- Nacional, Luis Alberto ez, tras escasas 3 sema- haber asumido el cargo.

empleo es el peor ma que afronta el Cumplirán la meta arlo a 7,9, como está

Luis Alberto Rodríguez, nuevo director de Planeación Nacional. FOTO: CORTESÍA DNP

rro, pero es d lor exacto. P ban comple das, pero era ra llegan a o ma; probable del todo subs drán subsidi bargo, aport lud, y eso pe Colombia con el Sisbén neación, que año. El reto zones por las pobreza, de en menos de el subsidiado por ciento de

Eso signific hay colado No he estad la palabra 'co realidad es que no tiene lida y gradua nas que ent de protecció

¿Y cómo en En el próxi mos la varia permitirá de dades. Sisbé de pobre. Es

C+S+A+SocioDem.

Clear All Filters

mit media lab IDB

Algorithmic Fairness and Efficiency in Targeting Social Programs at Scale, 2018

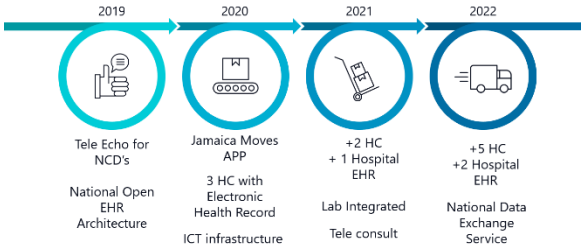
Colombia: Reduction of **17%** in inclusion errors

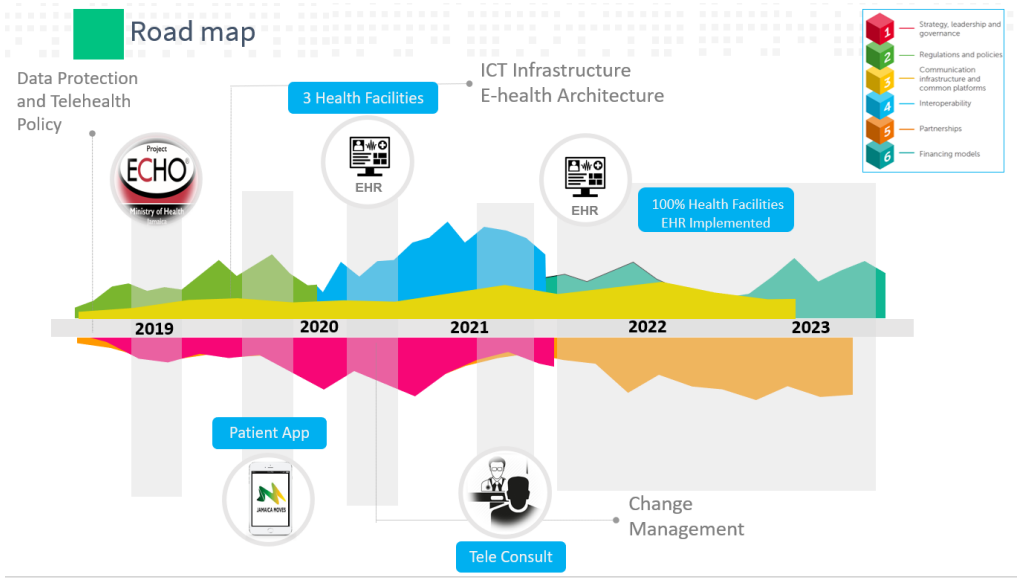
Costa Rica: Reduction of **30%** in inclusion errors

Governance Outcomes

Data Protection	Interoperability	Digital Health
-Personal Health information protection regulatory framework	-Interoperability and standards Policy	-National Digital Health Blueprint
-Secondary use of data policy	-E-prescription Policy	-National IS4H Committee
-Personal health information Code of Practice	-Regulation for Health information exchange	-Sustainability model
-Information Security Strategy	-National Health catalogs	-EHR and Tele-Health Policy

Digital Health Outcomes

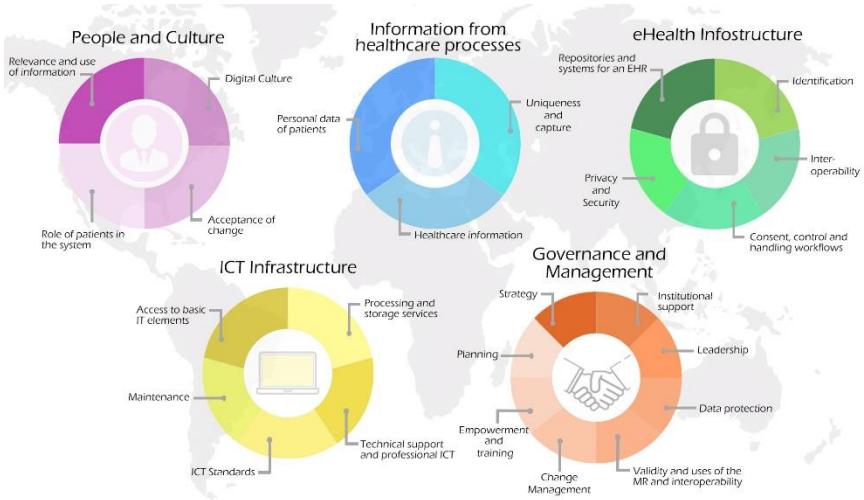




IS4H Jamaica: One Joint National Plan Collaboration between PAHO, IDB, GF, MOH and eGOV

RACSEL
RED AMERICANA DE COOPERACIÓN SOBRE SALUD ELECTRÓNICA

[RACSEL Publications & Toolkit]



IDB. (2019) IDB National EHR System Maturity Model. Forthcoming

01

WHAT IS fAIr LAC?

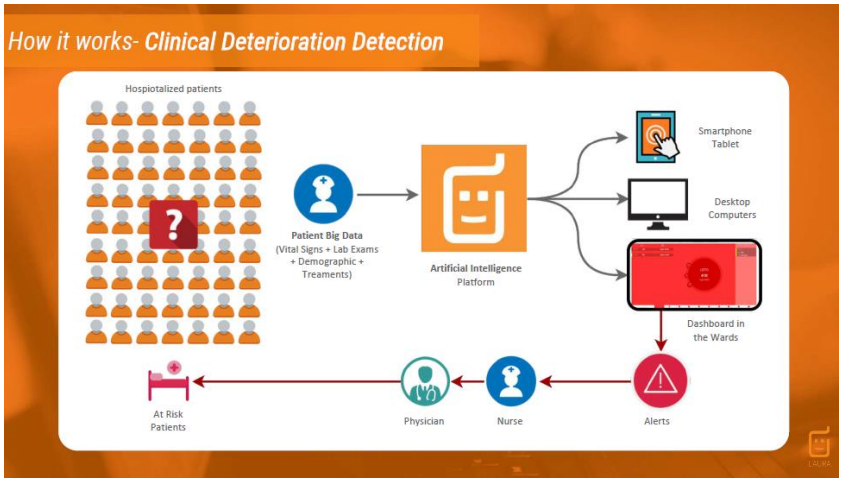
Led by the IDB, fAIr LAC is **an alliance** between the public sector, the private sector and the civil society working together to ensure a responsible application of AI in LAC.

A platform working to:

- Develop guiding standards and tools to put into practice a responsible and reliable use of AI.
- Experiment use cases that will build knowledge on the ethical risks around the use of AI in social services, and how to address them.
- Lead the discussion about the responsible use of AI based on diversity, inclusion, and centered around citizens.

Source: fAIr LAC

AI Applications in Brazil



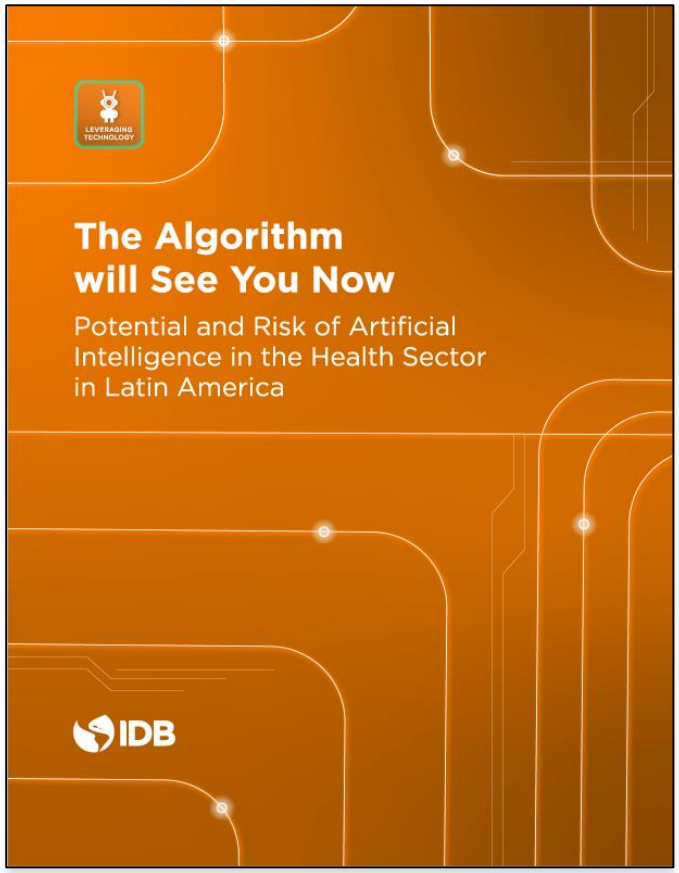
Laura

Portal Telemedicina

South-to-South Learning: AI to detect Diabetic Retinopathy in Chile and Jalisco, Mexico

TeleDX - Dart

Coming Soon!



Framework of all AI Use Cases in Healthcare

Source: AI in Global Health: Defining a Collective Path Forward, USAID, 2019

Data
Partnership.org

International Consortium for Data Collaboratives

Public-Private Data Partnerships for International Development

The International Monetary Fund, the Inter-American Development Bank, and the World Bank are forming an International Consortium for Data Collaboratives. The Consortium fosters efficient and responsible data partnerships for public good.

Contact us

Opportunities & Challenges

Upcoming work & learning agenda

Opportunities

- Regional Economies of Scale
- Task shifting
- Improved quality and access
- Lack of legacy systems
- Talent
- Regional Priority

Challenges

- Acquiring timely, quality, standardized data & knowing what to do with the data once we have it
- Governance and regulation in LAC related to AI
- Lack of common understanding among stakeholders of risks and opportunities related to AI
- Training opportunities in Spanish in Biomedical Informatics
- Procurement
- Language barrier to existing resources & standards
- Trust and data ownership
- Culture change & Peopleware

Related upcoming work and learning agenda

- AI in the Social Sector in LAC: Application, potential and risk
- Results of application of the IDB EHR MM in 7 countries
- Identify non-traditional data sources for public health available in Latin America
- Interoperability of social sector data & standards: health, education, poverty, social protection
- Regional data exchange & telehealth
- Operational Research
  - Costs
  - Implementation
  - Inequality

Pan American Health Organization

Principles for Digital Development

Global Digital Health Network
Formerly the mHealth Working Group

AeHIN

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Thank you