Integrated Model for standardization of Electronic Medical Records by levels of hospital in the Telehealth Center in Colombia

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INTRODUCTION

Colombia is currently facing the challenge of the standardization of Electronic Medical Records due to the incorporation of new providers that have implemented an information system based on new information and communication technologies without interacting among them.
INTRODUCTION

It leads to considering medical records as a collection of the information raised through the relationship between a patient and their physician and NOT as part of an integrated medical information system.
Level 1 facilities establish the first contact with patients for care and registration. The problem of standardization of Electronic Medical Records has not facilitated the integration and interoperability among health services furnished to users at a distance.

Despite the fact that the Government has created laws and resolutions so that providers of computer-based services enable the integration of different providers, this task has not been accomplished.
CONTEXT

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The model sets forth the following items which are shared by all levels starting from: scheduling, referral control and counter-referral, basic medical records, fees and agreements, financial records and collection, pharmacies and supplies.
Scheduling: Means scheduling of medical appointments taking into account the user, service provider operation hours and assignment of available resources.

Referral and Counter-Referral: Refers to the mechanism for information exchange among healthcare professionals regarding referral, authorization or visits from users.
**Fees and Agreements:** Enables definition and modification of fees and application to agreements.

**Financial Records and Collection:** It comprises the financial module of the medical records as well as billing keeping and portfolio.

**Pharmacies and Supplies:** It consists of the inventory module for medicine and hospital supplies for internal use and sale of prescription drugs.
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