



**open labs**  
*An Altice Labs Company*

# eHealth

Remote and collaborative  
environment

**Telemedicine and  
telediagnosis  
system**



# What is Medigraf?

Medigraf is a medical communication and collaboration solution, created for health professionals in various areas.

## Manage daily processes in remote medical practice

Medigraf allows conducting medical appointments via videoconference, through a simple Internet access.

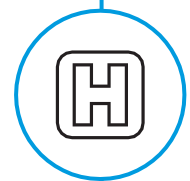
This includes analysing complementary means of diagnosis in real time, even when the patient and the health professionals are in different places.

The solution provides remote healthcare services, offering a collaborative environment with videoconference and clinical data sharing possibilities. Medigraf allows health professionals to work remotely as a team for a shared diagnosis regardless of the distance between them.

This platform can become a daily healthcare tool, by efficiently answering doctors' needs and favouring effective network collaboration through Web 2.0 technologies, enabling the implementation of new communication and cooperation paradigms.

Medigraf represents a new generation of Telemedicine platforms, facilitating the access and distribution of clinical information as well as collaborative communication, anytime, anywhere.

## Who benefits from it?



Health organizations, regardless of their size



Health Ministries



Medical schools or other health training institutions



## Business benefits

- Reduced number of unnecessary patients' emergency evacuations or doctors' travels;
- Reduced “door-to-needle” time;
- **Increased knowledge sharing and in obtaining second medical opinions:**
  - Possibility to share medical cases;
  - Possibility to share and edit images of exams or videos in real-time.
- Medical schools or other health training institutions.

## Why Medigraf?

Medigraf allows these professionals, and health institutions in which they work, to manage their daily processes in a more practical and fluid way, as well as to answer the specific needs of remote medical practice.

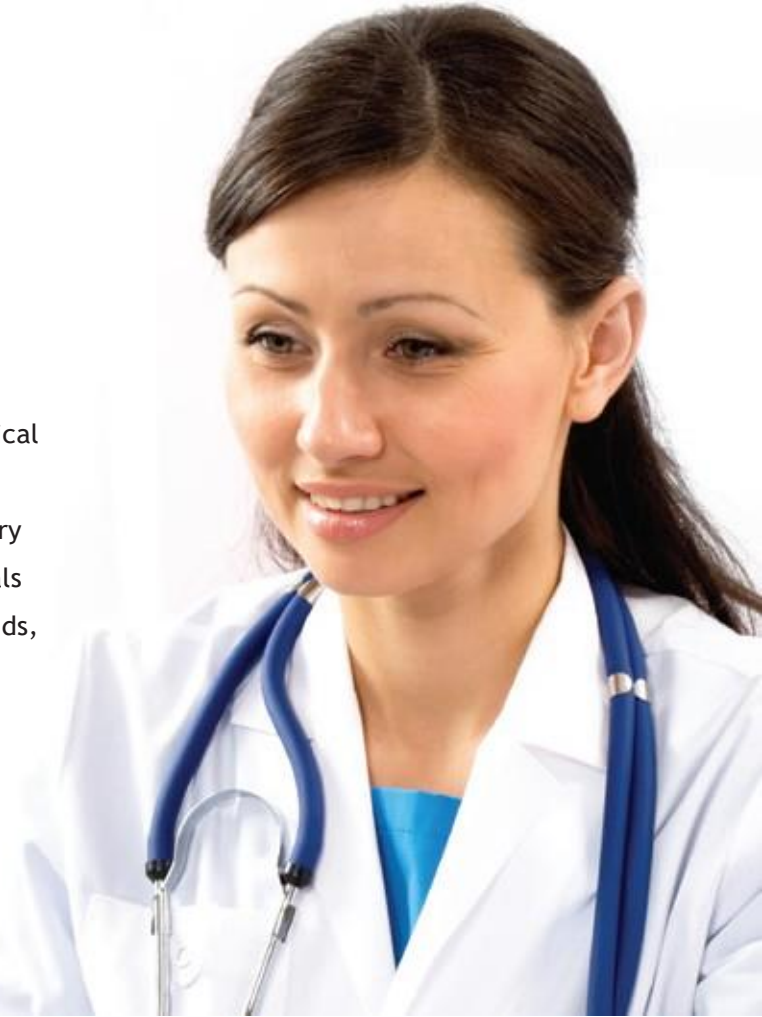
Along with a set of management features regarding users and appointments, it also enables videoconferences between several places on the planet, as long as they have Internet access.

This is actually the feature that allows, on one hand, answering to the lack of specialized healthcare professionals in remote areas with better diagnoses and treatments and, on the other hand, reducing costs that come with the constant travels of doctors and patients.



# Discover Medigraf

Medigraf's core features are the ability to share clinical information in real time and the possibility of collaborative/simultaneous viewing of complementary means of diagnosis by several healthcare professionals (e.g. real-time transmission of high quality ultrasounds, to ensure correct clinical evaluations).



## Collaborative Web environment

- Access, management and distribution of clinical information;
- Scheduling, management and distribution of medical appointments;
- Sharing and discussing second medical opinions.



## Synchronous and Asynchronous communication services

- Videoconference, chat and e-mail messages;
- Real-time sharing and editing of DICOM files, as well as archiving or sharing digital images and medical reports;
- Synchronous and asynchronous diagnosis.



*Real-time communication tool*

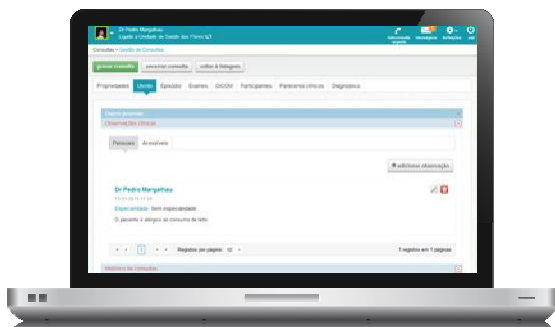


*Sharing and editing DICOM image*

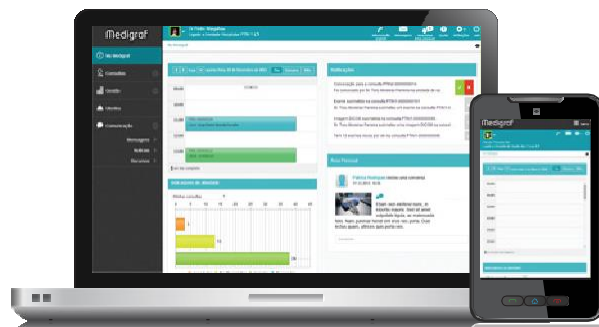


## Daily work tool

- Management of patient's file and history;
- Schedule management;
- E-mail, reports and indicators;
- Can be integrated with PACS, hospital information systems and devices for complementary means of diagnosis (e.g. mammography unit, EEG, ECG);
- Simple access through the computer or tablet (iOS or Android), without the need to use a specific workstation.



*Review patient's history*



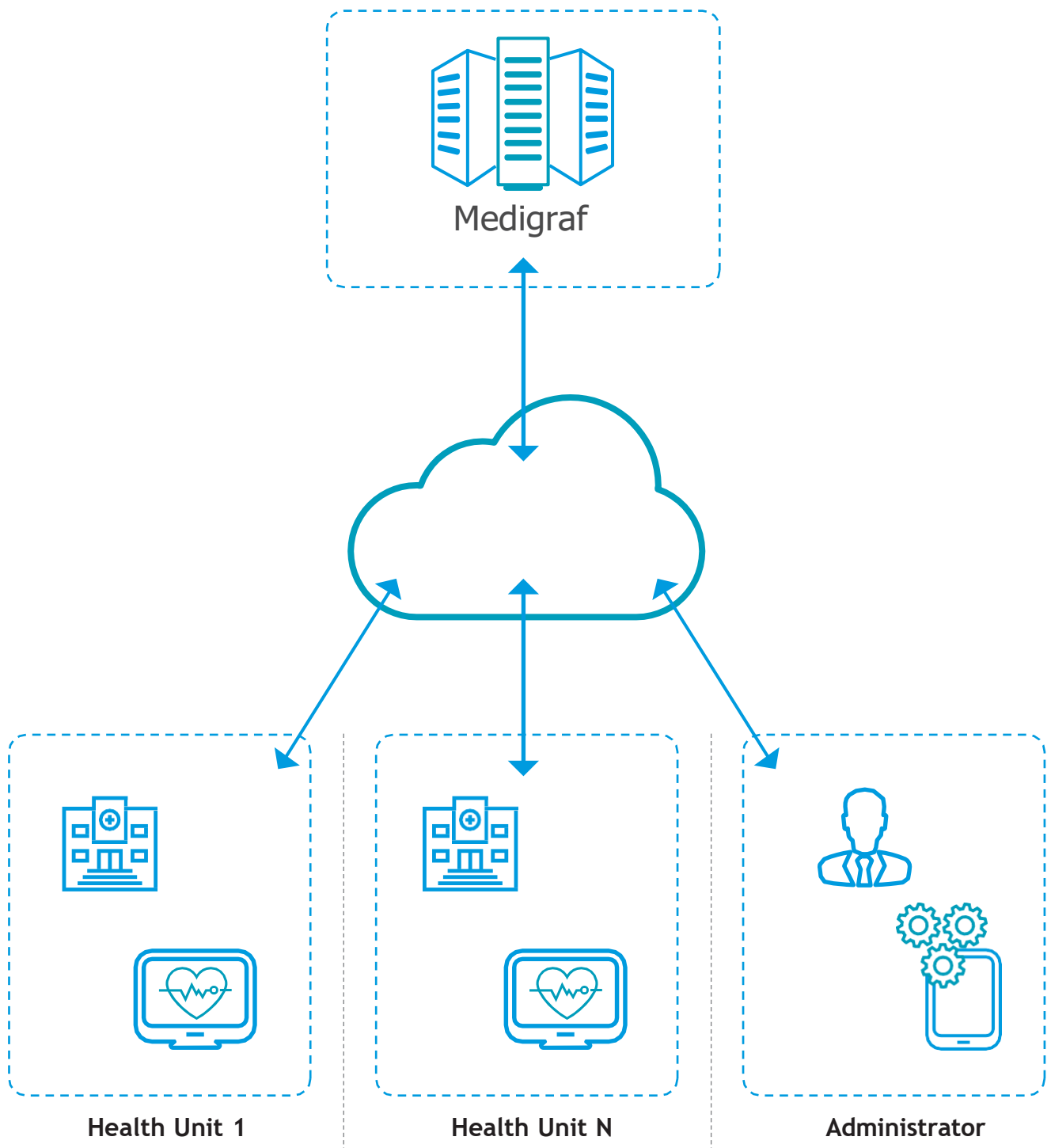
*Access from several devices*

# The architecture

The variety of institutions that integrate the health network are all interconnected and linked to the application server, thanks to a dedicated VPN connection.

After system authentication, health professionals may engage in direct synchronous communication with each other, using videoconference, without having to go through the application server.

This solution can be established based on Intranet and/or Cloud scenarios.





## Awards

### **AfricaCom 2013 - “Changing Lives” Category**

It acknowledges an initiative with significant impact in African community and telecommunications, contributing to its economical and social development.



### **Broadband Infovision Awards 2013 - “Changing Lives” Category**

The Broadband Infovision Awards are considered one of the most prestigious when it comes to recognizing excellence in the Broad Band Market.



### **Finalist in the Digital Humanitarian Category, in TM Forum’s Excellence Awards 2014**





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