





www.medvox.net

INTRODUCTION



- This document contains information about *MedVox*, ADELACU clinical monitoring tool.
- MedVox is a new service, based in 3 products of ADELACU: CONFIRM, Voice Form and Direct Call. To which were added a management software with a graphic interface for user interaction, dashboard and integration facilities to other computer platforms.
- The information contained in this document is referential and may change without previous notice.
- Information about ADELACU can be found in www.adelacu.com and www.medvox.net.

BACKGROUND



- The digital transformation is present in all industries and the health sector is not unaware of this trend.
- The digitalization of operations provides a great opportunity to increase care coverage and improve medical care.
- According to NCBI (National Center for Biotechnology Information), approximately half of the hospitals in the United States use telemedicine. https://www.ncbi.nlm.nih.gov/books/NBK459384.
- Extra hospital care is a new area that requires technology to optimize its processes and to have evaluation and control mechanisms.
- For cases of pandemics, such as Covid-19, many people require quarantine and/or palliative treatment in places other than hospitals, but require permanent medical supervision and control.

HEALTH SECTOR



- Due to the costs and difficulties of transportation and especially because of the risks of infection and contagion, many non-critical patients are now cared at home under the supervision of specialized medical personnel.
- The monitoring of the condition of these patients is mainly done by telephone and is limited by the staff's ability to make the calls and collect the information.
- The results are not always updated instantly, which delays analysis and decision making.
- Many hospitals and care centers have computer systems, but they are not always integrated, which makes it difficult to manage all the information received.

WHAT MEDVOX DOES

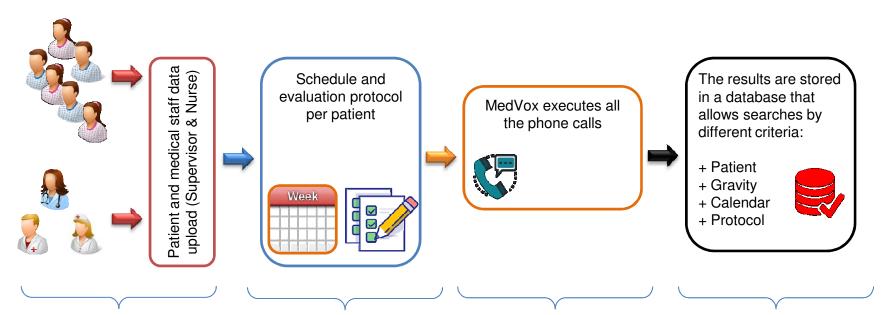


Helps medical personnel to monitor patients remotely

- By using a pre-configuration associated with each patient's condition, a control calendar is established.
- For each control, an automatic telephone call is made, where the patient or another person accompanying him answers a brief voice survey, without the need to press keys or have an application previously installed. The patient can use any type of telephone.
- All control answers are converted to text and instantly and automatically updated in a database.
- Beacuse of that, metrics, statistics and alerts can be made, in addition to being able to integrate it into other medical management systems that the hospital has.

OPERATIONAL FLOW





Data input:

- Webservice (automatic)
- CSV file (manually)
- Web page (manually)

Operation settings:

- Monitoring start and ending date.
- Schedule of days and times to call.
- Setting of survey to be performed at each control.
- Thresholds per answer to generate alerts.

Full automatic operation:

- The request is generated and the call is made automatically.
- Unsuccessful calls are retried: phone busy, no response, no survey answer.

Web-based operation:

- Database storage.
- Dashboard with the results of the controls performed.
- Alerts by email and an automatic phone call.

PACIENT INFORMATION



- The information of the patients to be called doesn't belong to MedVox nor do have the rights of the generated data. All information is the property of the patient and/or the hospital.
- The information needed for each patient is as follows:
 - Patient's name, to make the personalized phone call.
 - Telephone number of the patient, to be able to call him/her (landline or mobile).
 - Identity card, to identify him/her internally.
 - Type of monitoring, to establish the questions and schedule.
- This information is temporarily uploaded to MedVox to make the monitoring phone call and once completed, the answers are stored in a database.
- Patient data can be obtained from an internal health center management system or entered manually into *MedVox*.

MONITOR SETTINGS





 Multiple monitoring protocols can be defined, both in the schedule and in the survey to be performed.



• For each procedure, one or more calls can be made daily at different times and on different days.



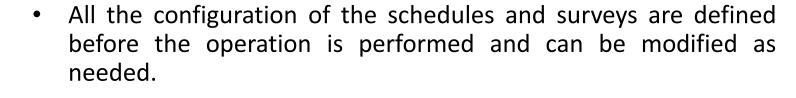
 Multiple surveys can be defined, each one with a maximum of 16 questions and several pre-set answers.



 For each type of answer, conditions are defined to generate alerts for medical staff.



 A number of retry calls can be defined when no answer is obtained from the patient.



PATIENT MONITORING



- Monitoring is done with an automatic phone call, where the patient or another person who accompanies him responds using his voice. There is no need to install or configure anything else previously. Any type of phone, either landline or mobile, can be used.
- The first question lets you know if the survey is being answered by the patient himself or by another person.
- The survey is based on multiple choice questions and answers, where the patient must respond with his/her voice.
- Voice recognition technology is used. If the answer is not identified, the question is repeated up to a maximum of 3 times, which can be configured.
- An example of monitoring (in spanish) can be heard on the MedVox website:
 http://www.medvox.net/ejemplo.html

INFORMATION HANDLING



LOS RESULTADOS SE ALMACENAN EN UNA BASE DE DATOS

QUE PERMITE BÚSQUEDA POR DIFERENTES CRITERIOS



- All the management of *MedVox* is done from a website, where the medical staff access with a user name and a password.
- Within the work environment there is a summary table where the list of patients by type of illness and health status is indicated.
- If it is detected that a patient has exceeded the previously defined thresholds, it is displayed on the screen and an alert is generated by e-mail and a phone call to the medical supervisor.
- Selecting and/or searching for a patient gives access to all the monitoring history that has been done, with the questions, answers and audio of the phone call.
- If the medical staff needs to talk to the patient, they can call him/her by pressing a button on the MedVox console.

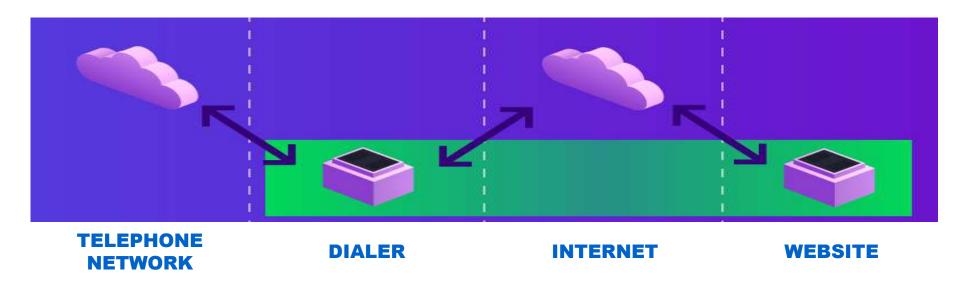
BENEFITS OF MEDVOX



- It facilitates the work of the medical staff and increases the monitoring coverage of patients in treatment outside the hospital premises.
- All the controls are carried out in the same way, which allows for a single evaluation criterion.
- The medical staff has control of the monitoring at all times, being able to review the details of the answers and generate phone calls directly to the patient.
- It generates information in real time, which allows for quick decisions.
- It can be easily integrated to other health systems available at the hospital, both to make consultations and to feed other systems.

LAYOUT





- **MedVox** has a flexible layout that allows to operate in the cloud, on premises or mixed.
- The dialer (telephone module) does not store patient information and uses the data only for monitoring purposes. It must have access to the Internet and the public telephone network to make telephone calls.
- The website (management module), with the monitoring data, can be stored both in the cloud or in the hospital's datacenter, according to how it is requested. In both cases, all the security procedures required are applied.

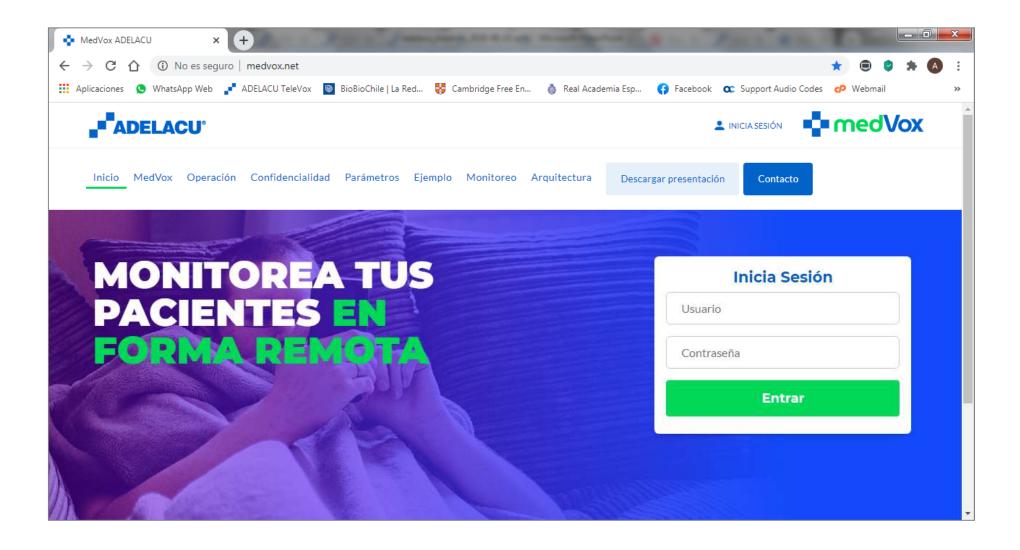
COSTING STRUCTURE



- MedVox is a service, all equipment, hardware, software and licenses, is the property of ADELACU, who assumes full responsibility for the operation and operational continuity.
- Cost structure
 - Starting value that includes installation, configuration and training.
 - Monthly fee, with zero minimum contract term and no tie-up.
 - The values depend on the dimensioning required, both in terms of telephone calls and users.
- Full service, which includes the following :
 - Support
 - Training
 - Software Updates
 - Maintenance
 - Operation supervision and monitoring

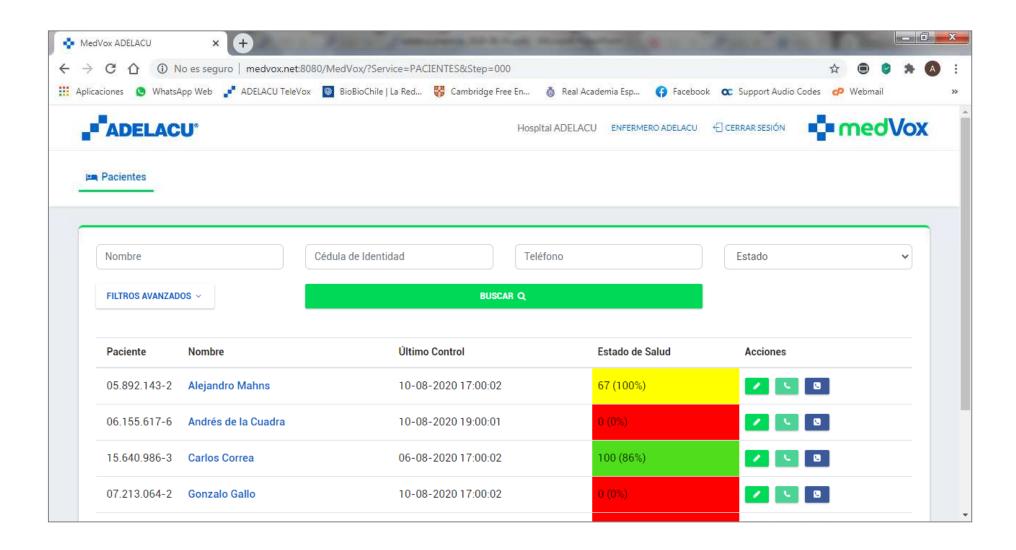
MEDVOX LOGIN





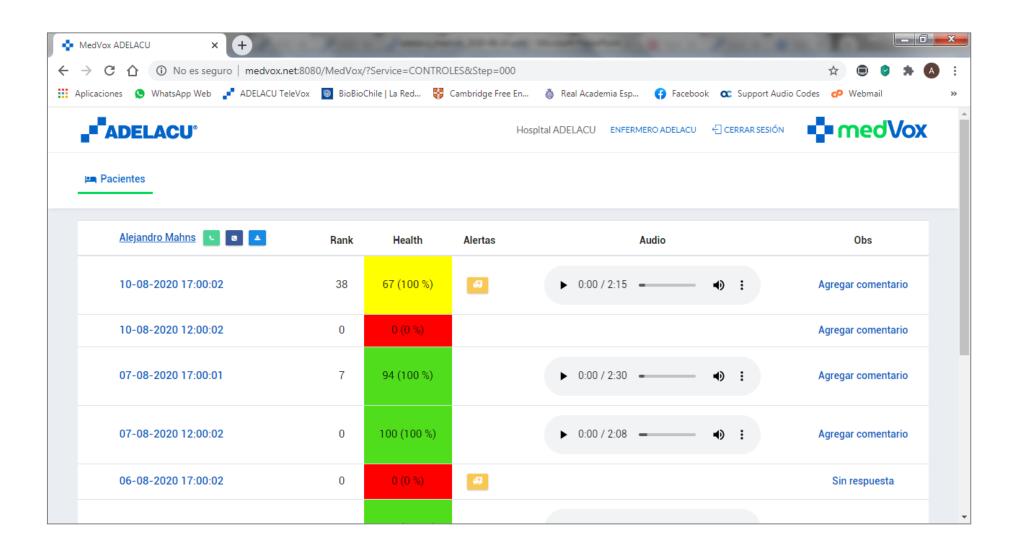
PATIENT LIST





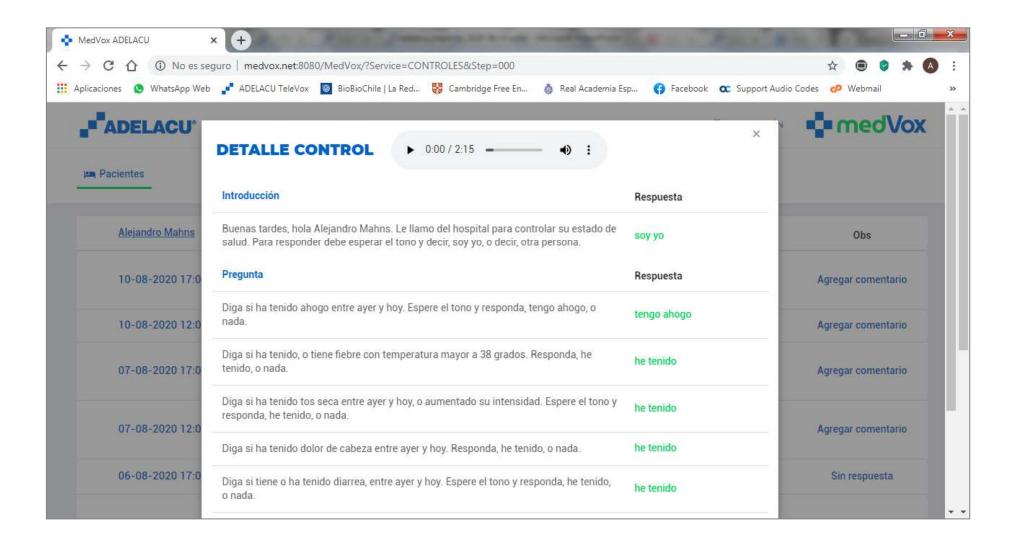
LAST 10 CONTROLS





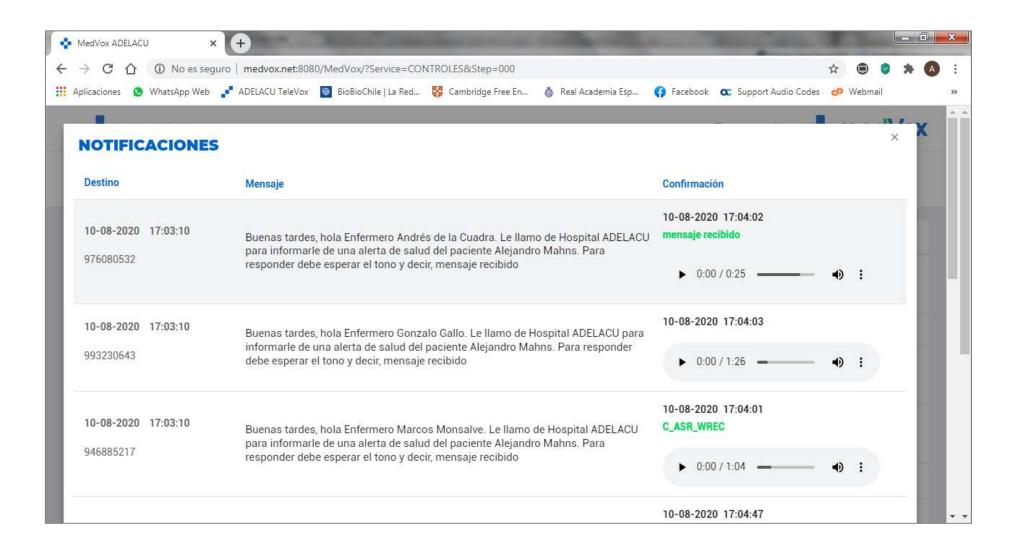
CONTROL DETAILS





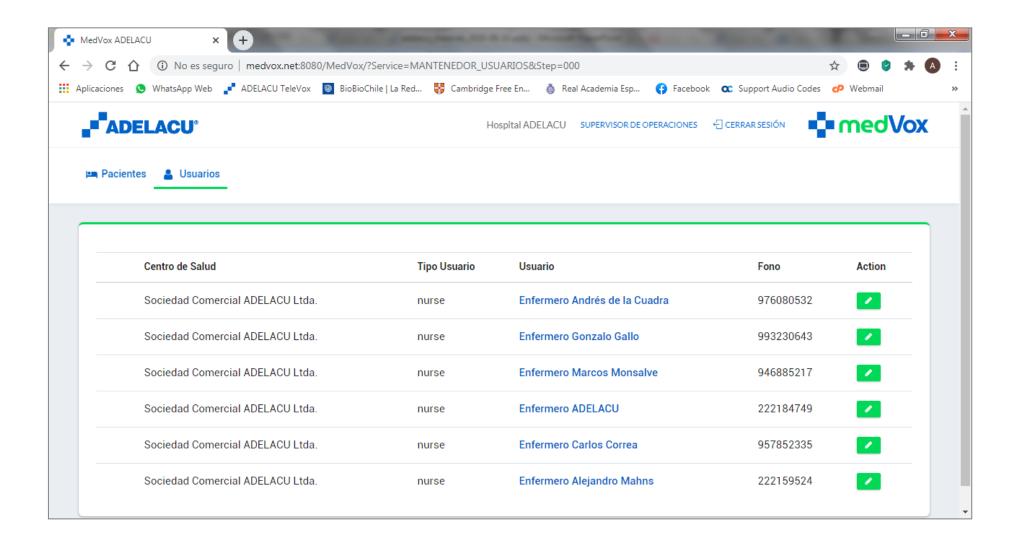
NOTIFICATIONS





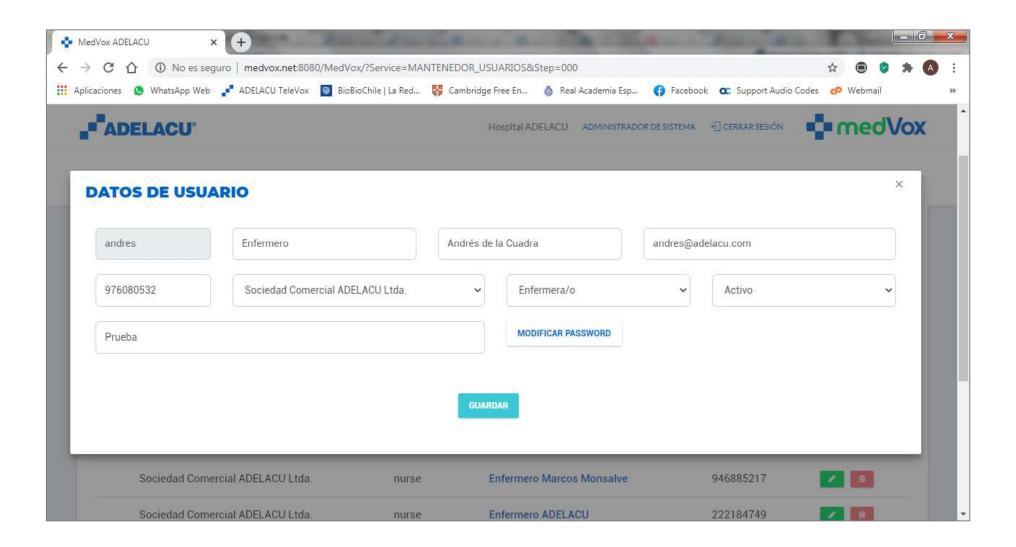
SUPERVISOR PANEL





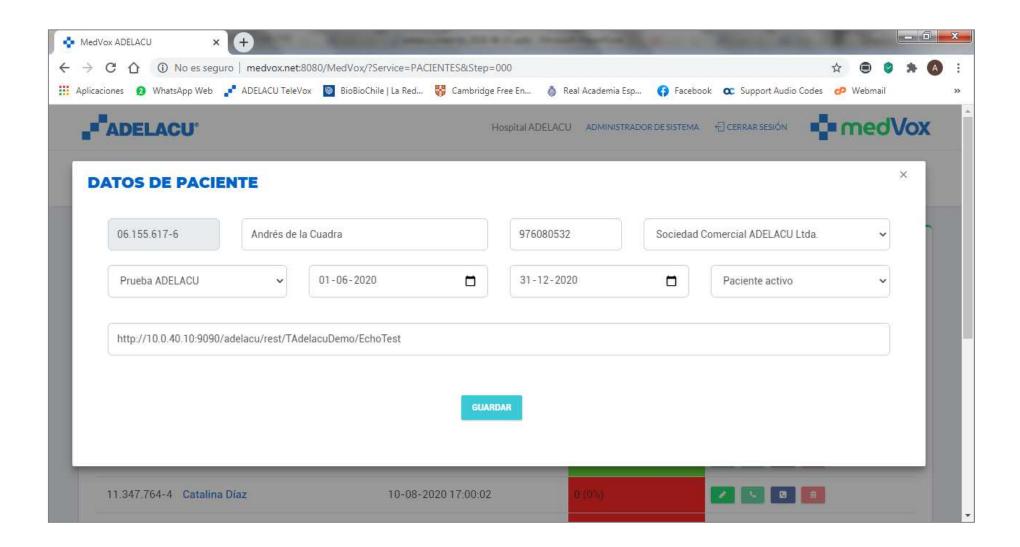
USUR INFORMATION





PATIENT INFORMATION







THANKS!

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