






We support health research on the basis of open data

OpenDataclinica operates in the development and production version in the cloud services of Amazon Web Services and/or DigitalOcean, and using the Relational Database Service (RDS). This service ensures the physical encryption of the database and the backup in multiple servers in case of any type of failure (data redundancy).

Our objective is to promote research through the use of open data. Therefore, it is aimed at research groups in the health area, biobanks, patient associations, health entities.

Clinical Study
 "Evaluation of bacterial immunoprophylaxis in the prevention of uncomplicated repeat urinary tract infections"
 I.S.P. 19232/18



Clinical Studies • Biomedical Research

The premise since our inception has always been "more information better diagnosis", aimed at improving the quality of health through efficient medical records.



Patricio Araneda García
 MSc. in Medical Informatics
 Dataclinica SPA

<https://opendataclinica.org>
 soporte@dataclinica.cl
Contacto
 paraneda@dataclinica.cl
 (56) 9 78872845




Research Management

In biomedical research, it is essential to integrate, standardize and harmonize the information that each research centre collects for its particular objectives. Around the world, new discoveries have been realized over old data, open and available data. The lack of specialized programs makes it difficult or nearly impossible to exchange data in order to generate new knowledge.

To promote biomedical research requires solutions to generate open data sharing. OpenDataclinica has its reason to be, as a tool that facilitates research and the creation of knowledge. OpenDataclinica is based on a web platform, with emphasis on the management and analysis of information from simple demographic data to complex statistical analysis of results.

Operational

Due to the heterogeneity of the information included, a hybrid model of data was defined in PostgreSQL and the use of JSONB format as a storage model to allow high flexibility in the types of information involved.

With the above, a series of flexible and customizable form was modelled to ensure the entry of any type of information. We collected the first cohort of patients diagnosed with recurrent urinary tract infections from the Hospital Clínico San Borja Arriarán and Clínica Las Condes.



The flexibility of OpenDataclinica allows the generation of a series of forms to capture data for a specific project, which are classified and stored in three categories of information: clinical, laboratory and surveys.



Management software for institutions and researchers with a focus on the administration of biomedical research projects, their resources and information analysis.

The screenshot displays the 'Creación de paciente' (Patient Creation) interface. On the left, there is a form for entering patient details such as name, address, and contact information. On the right, there is a 'Consentimiento' (Consent) section with a list of checkboxes for various types of research participation, including 'Firma consentimiento', 'Permite ser contactado', and 'Otras investigaciones académicas'. A 'Guardar' (Save) button is visible at the bottom right of the consent section.

Flexible forms relevant to the research model and/or pathology to be registered.

Research projects

OpenDataclinica is developed on web technology, which gathers and organizes the information of research projects through flexible forms and databases. It attaches informed consents and any other documents, and make tracking of valuable information possible.

The function of OpenDataclinica as service software (SAAS), is accessible through the internet. Entities, users and research projects (or diagnostic groups) are defined independently among them.

Each user of OpenDataclinica can generate a series of specific forms that contain standardized and normalized information to enable data sharing if so defined.

