

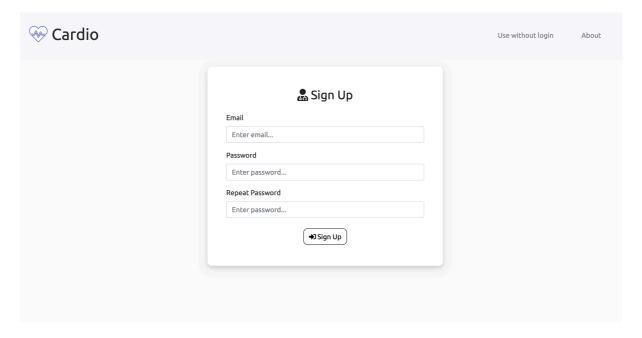
Cardio is a medical web platform that was created to help doctors visualize and predict cardiovascular diseases. This is a brief user manual to explain how you can use the system.

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Sign up

To sign up you have to enter a valid email address and two matching passwords. If this is satisfied, your account will be created, and you will be redirected to the "Patients" page.



Add new patient

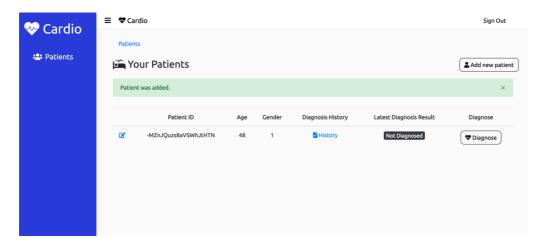
Once you are in the patients page you can add new patients and edit and diagnose existing patients. To add a new patient click on the "add patient" button.



A modal will open requiring the age of the patient and their gender. Once successfully entered, a new patient will be created in the database with a unique patient id that you will use to identify the patient.

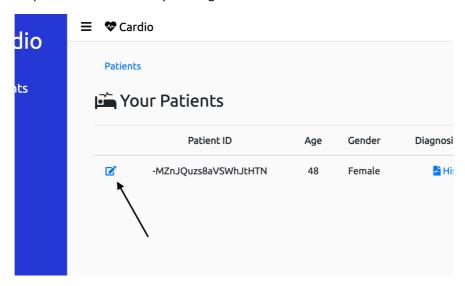


The new patient will appear on your "Patients" page.

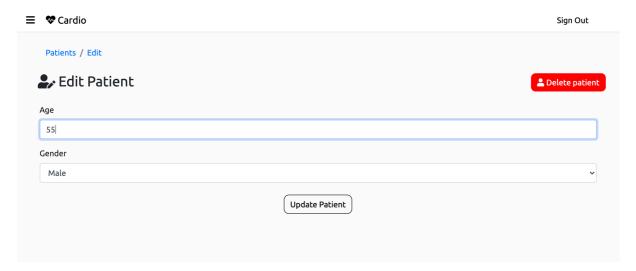


Edit patient

You can edit the patient information by clicking on the "edit" button on their row.

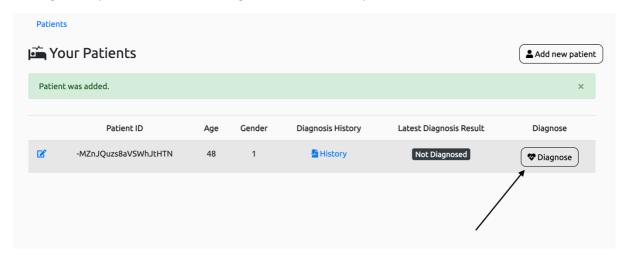


In the edit page you can update a patient's age and gender.

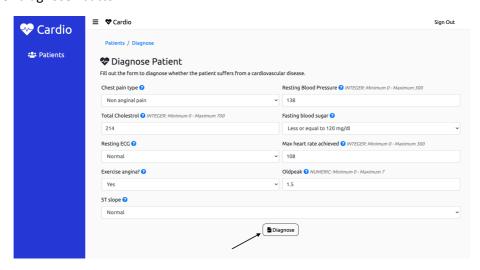


Diagnose

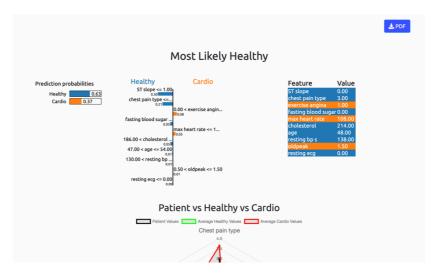
To diagnose a patient, click on the diagnose button on the patient's row.



An input form will appear where you have to fill the values for all the inputs. Once successfully filled click on the "diagnose" button.



This will automatically generate a medical report displaying all of the patient's data in a meaningful graphical way.



Treat

Three types of graphs are generated in the visual report:

- 1) A radar graph Showing the variation between the average healthy and CVD values against patient's values.
- **2)** Scatter Age graph Showing the distribution of healthy and CVD patients in a scatter chart as a function of age against various parameters
- **3) Doughnut** Showing the number of patients who have a higher or lower value for a health feature than the current patient.



You can use the graphs to further understand the condition of the patient and compare them against other healthy and CVD patients. The graphs generated in the medical report can also be downloaded as a PDF. If you feel appropriate you can show these graphs to the patient to help them understand better their condition and your diagnosis.

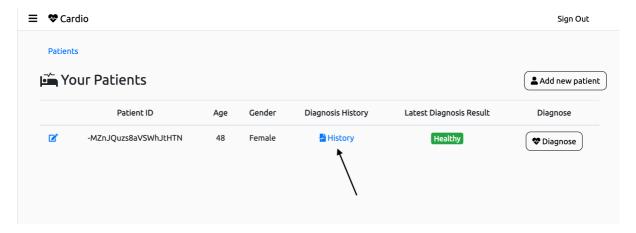
If you want to add any comments on the report, you can do that at the bottom of the report page. This comment will be saved in the database along with the diagnosis values and generated pdf.

Comments:			
New comment!			
			Save Comments

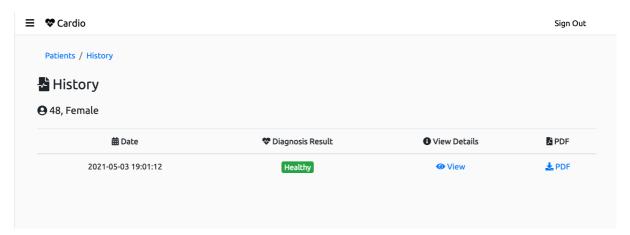
History

Once you are done with your examination and return to the "Patients" page you will see that the "Latest Diagnosis Result" of the patient changed accordingly to the prediction of the diagnosis.

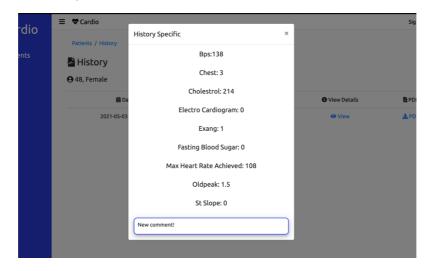
You can view the diagnosis history of the patient by clicking on the "history" button on the patient's row.



Every diagnosis that you perform on the patient will appear here. A diagnosis history row includes the date, result, details and pdf of the graphs of the diagnosis.

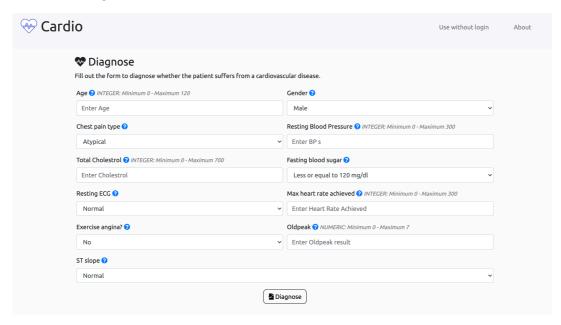


If you click on view details you can see all the values entered and the comment for that diagnosis.



Use without login

The "Use without login" feature enables you to quickly diagnose a patient without having to login. The result of the diagnosis will not be stored in the database.



Once the form has been filled successfully and the "Diagnose" button was clicked, a graphical report will be generated. The report does not include the download PDF functionality, or the ability to add a comment.

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