

## MOBILE APPLICATION AS A TOOL FOR CLINICAL NURSING ASSESSMENT

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The clinical assessment provides an information bank about real or potencial needs of the patient. It allows the nurse to identify accurate nursing diagnosis, enabling the elaboration of assistance plans that attend the actual care demands.

Brazilian nurses have been encountering difficulties in the execution of the clinical assessment, and hence, in the implementation of the Nursing Process as a methodological tool for care planning.

The absense of an instrument that facilitates the data collection in the clinical practice, considering nurses' work dynamics, has been a considered factor.

OBJECTIVES/PURPOSE Developing a technological assistence that aids the nurse in the clinical assessment of the patients under clinical treatment.

• ■ METHOD ■ Applied research of technological production, developed at a teaching hospital in the South of Brazil. A mobile app was developed in four stages:

- Definition of the requirements and elaboration of the concept map of the app itself
- Defining the theme of the research: The nurse's clinical assessment of a hospitalized patient.
- ✓ Option type of software to be developed: An application available for mobile platform (app).

✓ Generation of alternatives of implementation and prototyping, achieved together with the areas of Computer Science and Design of the Federal University of Paraná

Testing, it has the goal of identifying possible app feeblenesses, before making it available.

Implementation, a launch version will be published for free in Google Play Store.

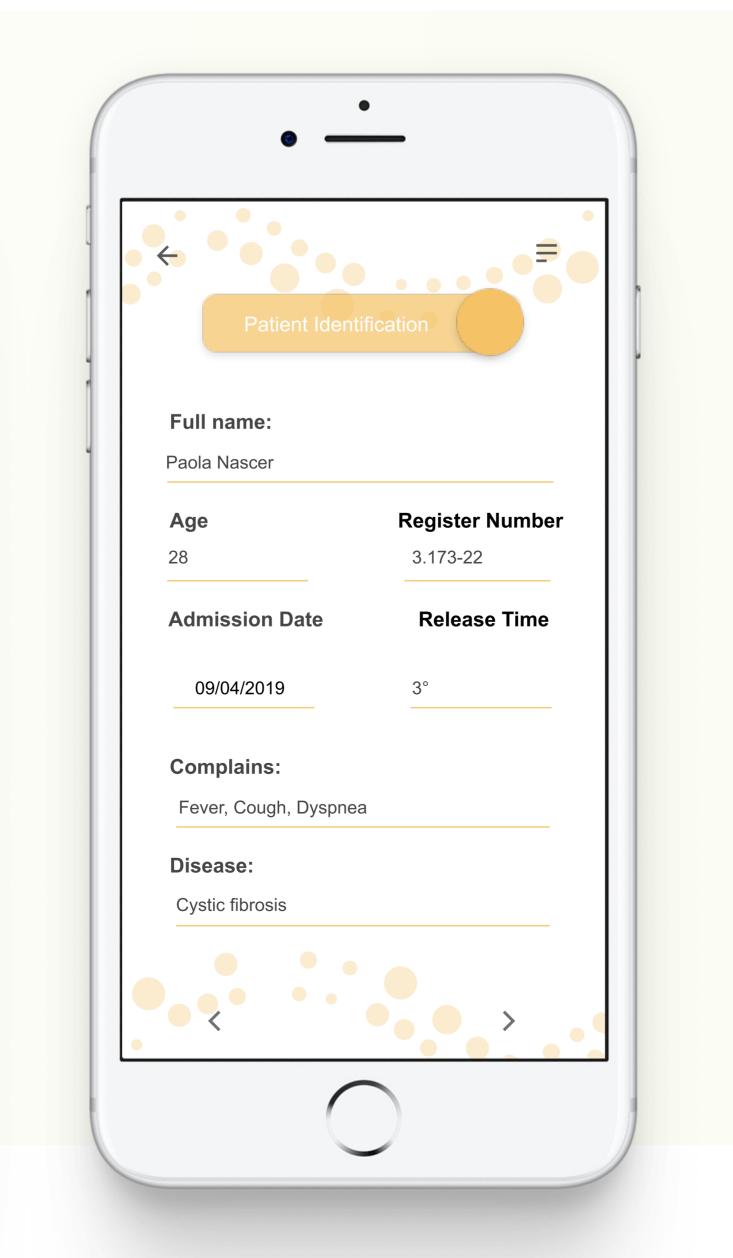
An application was produced for mobile devices that allows a quick register of patient data by the nurse, based on The Theory of Human Basic Needs, by Wanda Horta. Besides that, the app sends alerts of abnormal parameters to the nurse, and, at the end of the assessment, it generates an evolution with an editing possibility.

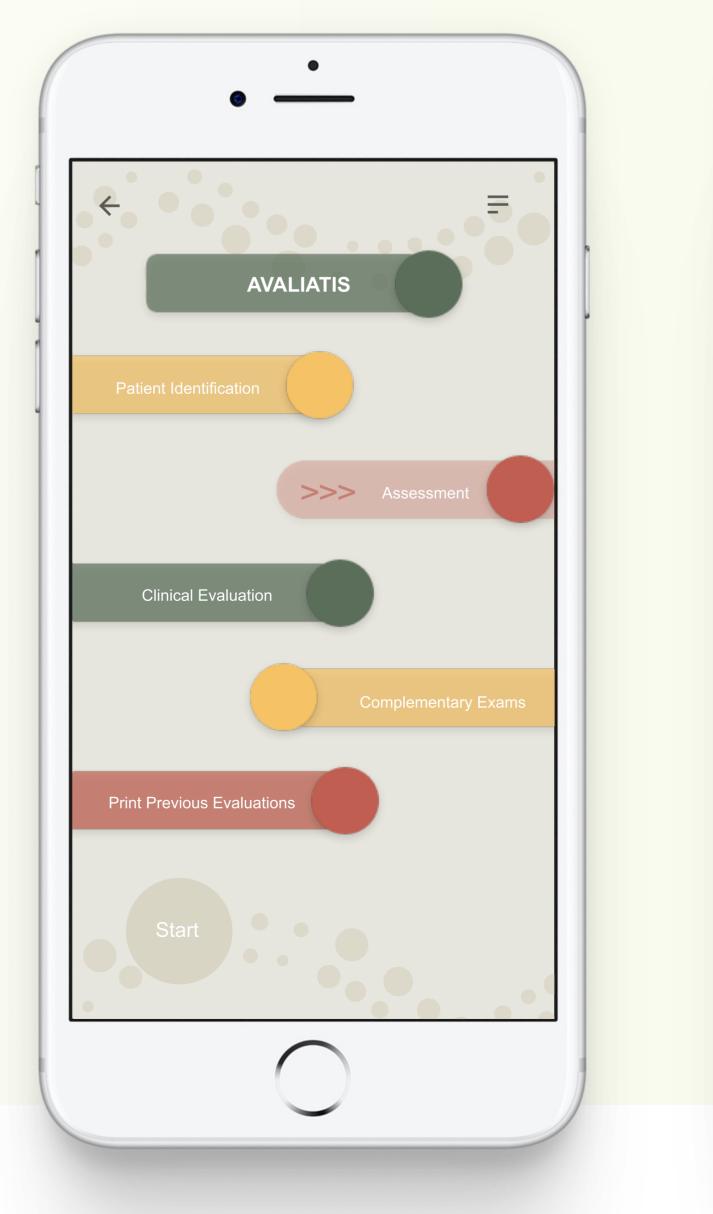


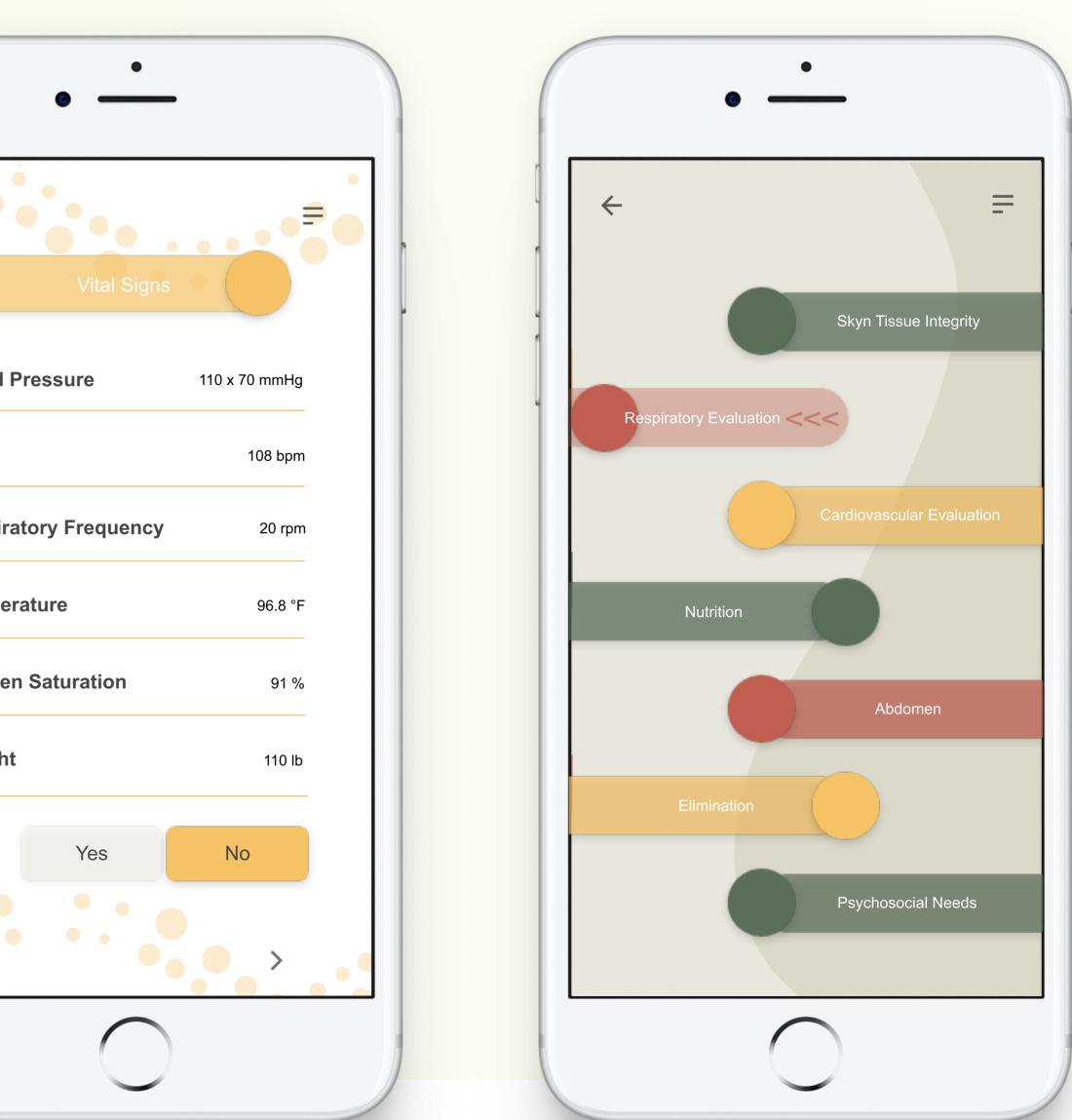
## CONCLUSION

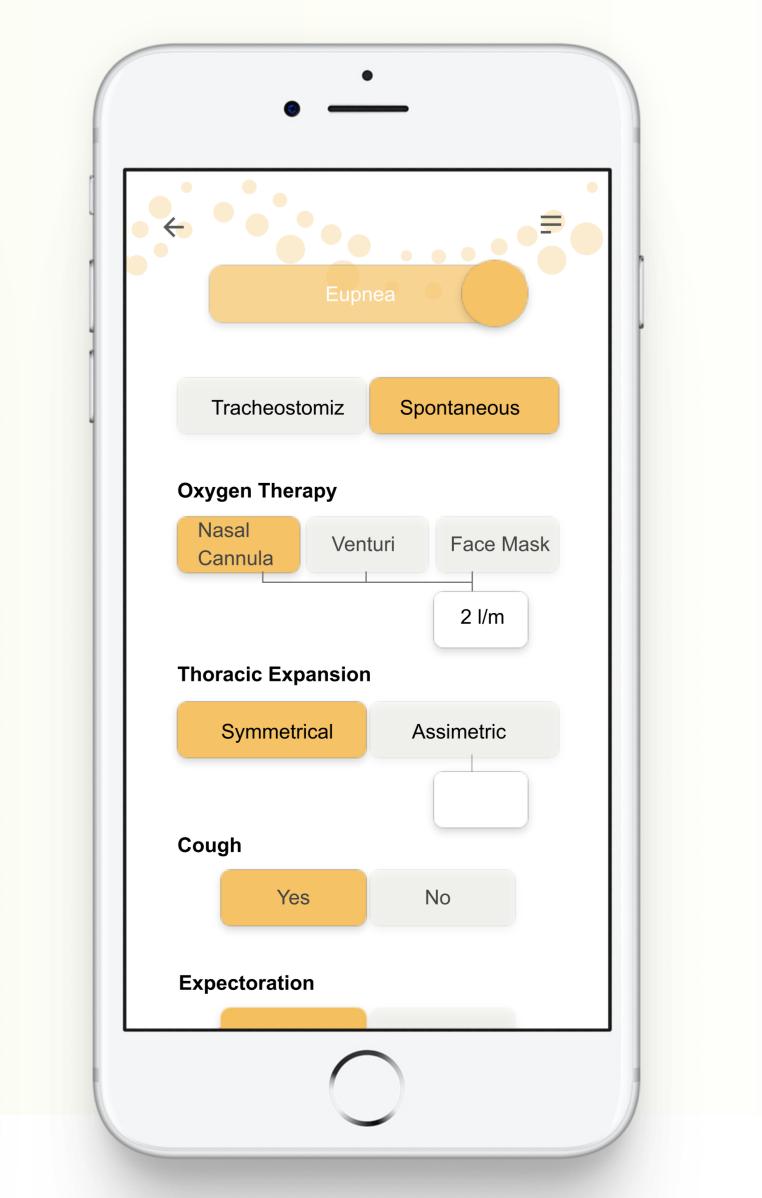
It was possible to bring forth the proposed technology, through the development of an application available for mobile platforms, to aid the nurse in the clinical assessment, allowing the accomplishment of the first stage of the Nursing Process.

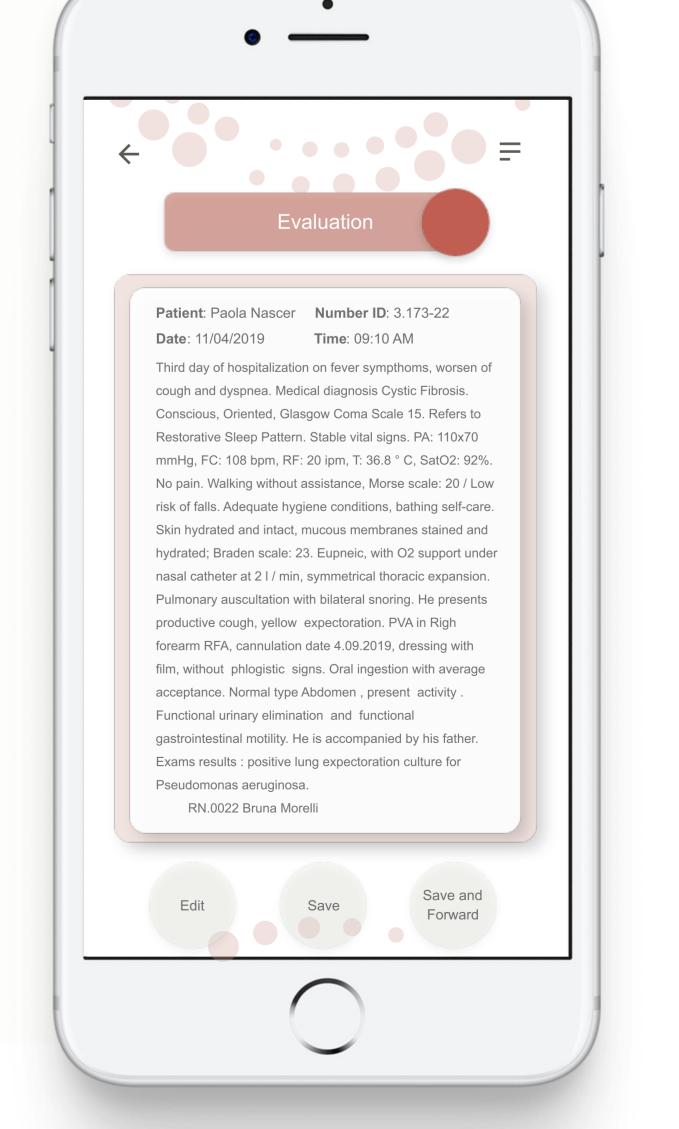












## IMPLICATIONS

The technological assistence can aid nurses on the clinical assessment, besides promoting and facilitating the usage of the Nursing Process to plan the assistance. It also offers an evaluation model focused on Nursing Care.