Informação e Conhecimento

E·PANDEMICS

Monitoring social isolation and epidemiological and sanitary control of pandemics

Monitoring of home isolation.

Monitoring of positive cases.

Monitoring of respiratory symptoms.

Evolution monitoring of the patient, including comorbidities.

Monitoring risk groups

CHRONOS PANDEMIAS

CUSTOM-DEVELOPED
The APP is designed to monitor and track, in real time, compliance with the determination of home isolation, as well as generate epidemic statistics.

The technological solution provides subsidies for decision-making by the public health manager and / or sanitary control, whether individually or collectively, promoting agility of information, including the evolution of the patient's clinical condition in the home environment, especially new respiratory symptoms. If the case worsens, the patient is immediately referred to the hospital environment, maintaining the monitoring of his evolution in an observation bed or UTI.
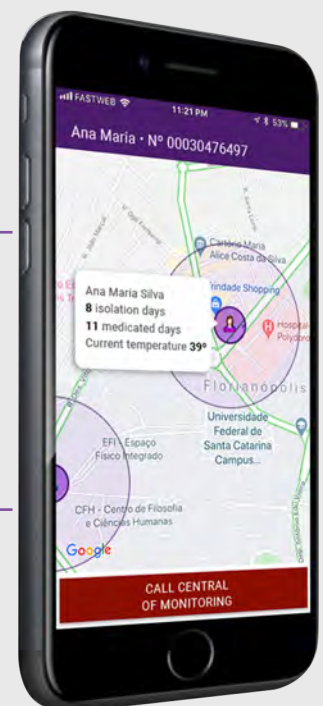
The geographical distribution of health territories (municipal or state) is structured in the solution with the purpose of customizing the analyzes according to the structural and social needs of each region, classifying the local health events as of lesser, medium or greater complexity.

MONITORING
· Geographic position of the patient
· Respiratory symptoms
· Isolation Area
· Approaching others infected

ALERTS
· Demotion of the clinical picture
· Patient in a place of high social risk of infection.
· Low oxygenation
· Low battery life

Available on the App Store

Available on Google Play

E·PANDEMICS

Ana Maria · Nº 00030476497

Ana Maria Silva
8 isolation days
11 medicated days
Current temperature **39º**

CALL CENTRAL OF MONITORING

Real-time monitoring of isolation household of individuals and population groups.

The solution will be installed on the patient's cell phone determining his location in real time, allowing the monitoring of its effective stay in the home environment during the quarantine period and, thus, subsidizing decision making by health surveillance and security agents.

Tracking bracelets can also be used to compose the solution with the purpose of following the groups classified as most at risk, previously classified as such through the solution itself, according to the combination of factors included in it as pre-existing diseases, conditions of housing, etc.

Monitoring of tested and positive cases for Covid-19

Through registration in the Application and/or through integration with the Public Management Epidemiological Surveillance System (municipal or state), the tested and positive cases are monitored by the epidemiological manager, who defines health strategies for the main areas with the greatest social risk of contamination.

Monitoring of symptomatic respiratory cases related to Covid-19

Symptoms of fever, cough, respiratory distress and oxygen saturation, for example, are registered in the Application by the citizen. For the monitoring of oxygen saturation, the solution includes the availability of oximeters for the measurement of blood oxygen levels by the patient. The combination of symptoms classifies the risk and supports the prioritization of care by the public manager.

In view of the worsening of the patient's clinical condition, application will issue an alert indicating the need for his removal and hospitalization.
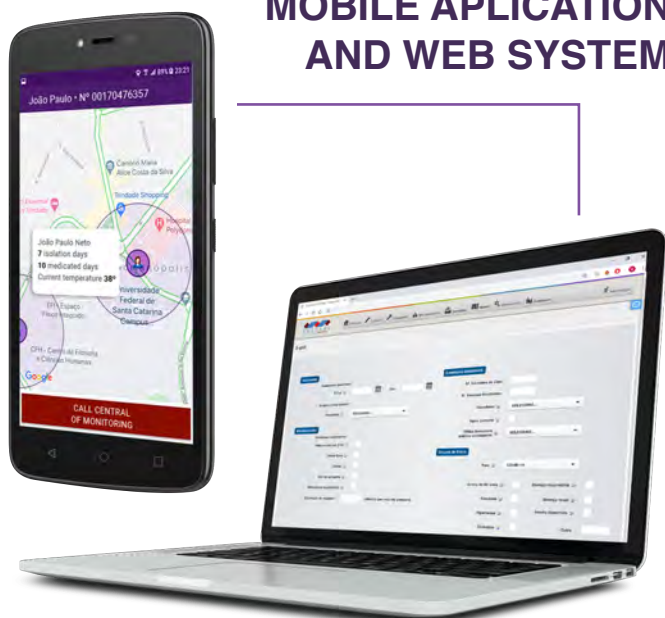
Characterization of the environmental conditions of households

The registration by the citizen, in the Application, of housing conditions, such as number of rooms, number of residents, presence of ventilation and natural light and running water, in addition to habits of using public transport, allows the manager to characterize environmental risks for decision-making in pre-defined population groups, such as the search active participation of patients from risk groups, for example, who will assist in the adoption of priority measures in a given territory with the determination of cases of hospital isolation, according to the availability of traditional hospital beds or in field hospitals.

Population characterization related to comorbidities

The solution allows the epidemiological characterization of groups through the registration carried out by the citizen himself. Thus, information such as age over 60 years, pregnancy, hypertension, diabetes, respiratory diseases (asthma and others), kidney diseases and immunosuppressive conditions (HIV, transplant recipients, chemotherapy in the last 30 days, neoplasms, use of corticosteroids for more than 15 days, and others) are mapped to support the priority action alert by the public manager.

MOBILE APLICATION AND WEB SYSTEM

THE PATIENT UNIT
The Application will generate reports with the data of patients and population groups previously defined, which will be sent in an agile and direct way to the Health Manager of the region.

HEALTH MONITORING CENTER
The software used in the Health Monitoring Center allows remote supervision of the patient and the configuration of zones of restrictions and alerts.