

Implementation of a telemedicine service in the province of Lucca, focused on the specific needs at home of the fragile person.

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The objective of the project is to create a network of intervention on the territory, able to reach, assist, and monitor, by the use of digital technologies, fragile patients in particular living in disadvantaged locations, such as the mountain communities and hamlets of Alta Versilia (inhabited by about 20,000 people, mostly elderly).

The project aims to synergize and optimize the specific skills and experiences of the project implementers and actors: the Familycare Association, long-established and operating in the territory, that provides specialized and certified family care staff, medical and technical professionals of the Centro Medico Specialistico Versilia, and the Gruppo Informatico Company of Massarosa that, in collaboration with the CMS Versilia professionals and the operators of the Association, have developed in close operational and creative synergy an application designed with simple and intuitive graphics, which makes it absolutely understandable to all types of users, including the elderly, so as to be a friendly and usable tool and not a technological obstacle,

Application training seminars were held for all operators. The application allows several professionals to operate in synergy thanks to having simultaneously available the patient's medical history references, numerous data for the detection of vital parameters, the ongoing therapy, and the patient's symptomatological state at the moment. The application has internal chat and video rooms, selective sharing of medical records (in compliance with GDPR regulations), alert transmission in case of impaired vital signs, analysis graphs, a check of daily performed activities, such as therapies and/or motor-assigned activities, compliance with the therapeutic project, and a food plan. It is an application with a high security system due to the adoption of advanced privacy and data protection solutions, ensuring a level of protection according to the strictest standards.

Specific social and health meta-objectives of the project are:

- 1) to ensure the availability of home-based services to people who are fragile or living in disadvantaged areas;
- 2) to monitor the state of health of these people and their proper mobilization, in particular in the event of changes in status and safety in motor activities;
- 3) to provide greater operational safety for care professionals, family members, and users themselves;
- 4) To ensure a continuous relationship of support between the operators and consultants of the Association and the CMS;
- 5) to have the possibility of constant support from a psychologist for the user, the family, and the operator itself;

6) to be able to carry out neuropsychological diagnostic tests with a lower environmental impact (and more accurate results);

7) to have rapid and complete information on any critical situations in all the above-mentioned areas so that we can intervene as quickly as possible with a view to their solution.