

Title: Telemonitoring and telemanagement, the new border of the home healthcare – the Tuscany's region project.

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Introduction: the Italian Council of Ministers approved on 6th July 2011 the decree "Urgent measures for the reduction of public spending in service unchanged".

The analysis of health spending of the different regions, the individual local health authorities and hospitals showed a significant change in costs incurred for the purchase of health assets and services, and non-medical devices.

This suggested the opportunity to focus efforts on reducing healthcare costs especially in the following expense items:

- Terms of purchase and supply of assets and services
- Spending on drugs
- Spending on medical devices
- Purchase of health service by private entities accredited

The estimated saving was 1 billion of euro for the second half of 2012, 2 billions for the 2013 and 2 billions for the 2014. In the decree was provided the possibility of renegotiating with the regions by July the type of interventions on health for 2013 and 2014, subject to the overall balance of the savings to be obtained through the agreement on the Pact for the health.

One of the most appropriate tools to translate in practice the need to reduce the spending is to implement new technologies of remote monitoring and remote management of patients at home.

Aim of the work: This project wants to try to prove that in front of a significant reduction in spending can be maintained unchanged the service for the citizens, just using those tools that technology has made available to the medical world in recent years.

Materials and methods: Analysis of the installed technologies, check their operation. Interviews done to protagonists of the planning, and the doctors who are now operating with the system of remote monitoring and remote management

Results: The analysis of installed equipment has shown a system that basically works well, there are some limitations and some aspects certainly be improved, but it is clear that the level of installed technology is quite satisfactory.

The limits arise instead for the cultural point of view, in fact, as well the emerged interviews continued more and more that the culture of the management from long distance late to enter our departments. The doctors are still bound by the principle of "I have to touch it to believe it" even though there are numerous and well-wishing exceptions.

Unlike the climate that reigns in radiology departments, operators are more used to manage new technologies.

An adequate site service ensures that continuity that helps colleagues to get used to the new way of thinking and acting.

Excellent results also came from the trial of ultrasonography pediatric, neonatal and fetal performed by local operators and assessed in real time by Massa's Pediatric Institute of pediatric cardiology (IRCS).

Conclusions: The awareness of the potential of the remote management system and remote monitoring through the work of technical professional-healthcare, this has created a collaboration between Administrator System (figure most health) and Clinical Engineering figure is taking on a determining role for the smooth operation of all equipment but also as a reference point in the enterprise the implementation of new medical devices.

The project has shown an increase in the quality perceived by patients, who feel followed more closely after discharge from the hospital.

The technologies have established to be reliable, while demonstrating that the necessary condition for the correct operation is ensured by two factors:

- The ability of citizens to adapt to the use of technology
- Network infrastructure functional connections h24 between the control signal recording and the home of the assisted.