



TELEMEDICINE

TELESPAZIO OFFERS REAL-TIME INNOVATIVE HEALTH SERVICES AND ADVANCED MEDICAL SERVICES REGARDLESS OF THE PATIENT'S LOCATION

The primary objective of healthcare is to guarantee the public appropriate assistance and treatment, providing the same quality and access to services in hospital and across the region.

Telemedicine provides the ideal solution to this need: by combining IT and telecommunications technology, it can ensure that the health network's staff and resources can be shared, allowing all residents of the region access to professional and efficient services.

Telespazio offers Telemedicine services based on the (exclusive or integrated) use of satellite networks, which bridge the physical distances between doctor and patient, and can be provided quickly, continuously and securely, both for ordinary and emergency cases. Satellite telemedicine is therefore a valuable tool that can be adopted immediately, even when there is a digital divide, and always guarantees a high-quality, uniform and reliable service regardless of the patient's location, even islands and mountain communities for example.

FACILITATING ACCESS TO HEALTH SERVICES

Thanks to its wealth of experience in satellite technology and its applications, Telespazio is able to offer health authorities a whole range of solutions: the services it provides can be carried by satellite networks integrated with terrestrial networks, ensuring that different types of communications (terrestrial/mobile/wireless) are fully operable. Telespazio's structures are operational 24 hours a day, and ensure that any information (x-ray reports, images, films, audio, data, etc.) is transferred quickly and securely. Satellite telemedicine improves the efficiency and effectiveness of public services, at the same time allowing healthcare spending to be cut and care to be provided evenly across the board.

Satellite telemedicine optimises the management of regional healthcare facilities, and the related clinical and organisational duties: hospitals, emergency facilities and doctors' surgeries can interact in real time in a single network that grants access to the best specialist expertise (eg teleconsulting services). Telespazio's telemedicine solutions are not bound by geographical limitations (islands, mountain communities, etc) and regardless of the distance between the healthcare facility providing the service (centre of excellence, hospital, doctor's surgery, etc) and the physical location at which it is required (secondary hospital, doctor's surgery, patient's home, etc).

THE ADVANTAGES

Improves the care provided at different levels (hospital, regional and residential), regardless of geographical limitations.

Cuts healthcare spending, by optimising the use of staff and resources within the health service.

Brings down waiting lists and reduces the inconvenience and costs relating to patient mobility.

Provides uniform services, which can be used simply and immediately.

Allows multiple healthcare facilities to be connected at the same time (even at international level).

Offers interoperability with the terrestrial network (fixed, mobile, wireless) and with emergency health services (118).

Provides broadband connection for rapid and secure transmission of large quantities of health information.

Offers support to continuity of care.

Facilitates the management of large-scale emergencies, and ensures the service can be provided even in the absence/malfunctioning of terrestrial infrastructure.

Provides operational support 24 hours a day (network management, help desk, maintenance, etc).



THE SERVICES

Some of the telemedicine services that Telespazio can provide:

- Specialist teleconsulting (for cardiology, neurology, etc.)
- Telediagnosis using images
- Laboratory teleanalysis
- Electronic patient record
- Videosurgery
- Teleconsulting of databanks
- Telescreening
- Teleradiology
- Homecare
- Teletraining