

CARDIO WARNING

Heart Attack Prevention

Cardiovascular diseases are one of the main mortality causes in the world specially when aging of the population pyramid is increasing every year.

- >45 years --> 6,8 %;
- >65 years --> 6% - 10%;
- >85 years --> 15% - 20%.

One third of the mankind decease due to heart dysfunctions. 70% of the overall hospitalization costs are caused by heart pathologies.

Telemedicine and technological advances play an important role in costs rationalization as they allow the

improvement of current diagnosis tools and a continuous patient tracking.

Cardio Warning's target is to improve life expectancy for patients with heart diseases and reduce the number of hospitalizations. Cardio Warning is a Diagnosis Aid Service for heart diseases through the remote patient monitoring anticipating the disease evolution through inference rules and massive data analytics techniques.

Cardio Warning receives medical data from sensors located at patients with heart diseases. All the information

received is stored in a knowledge database generated with support of reference centers in cardiology and it is processed using inference procedures, providing results and reports to the healthcare professionals who is attending, diagnosing, and remotely tracking in real time to patients, preventing the evolution of the disease.

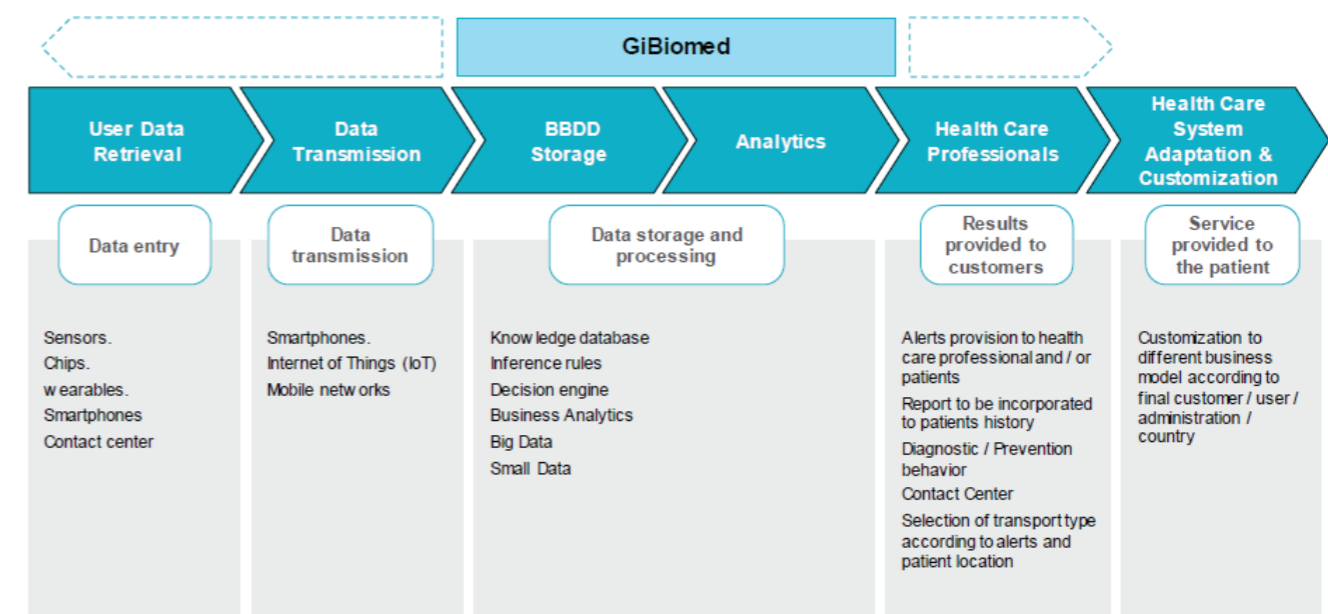
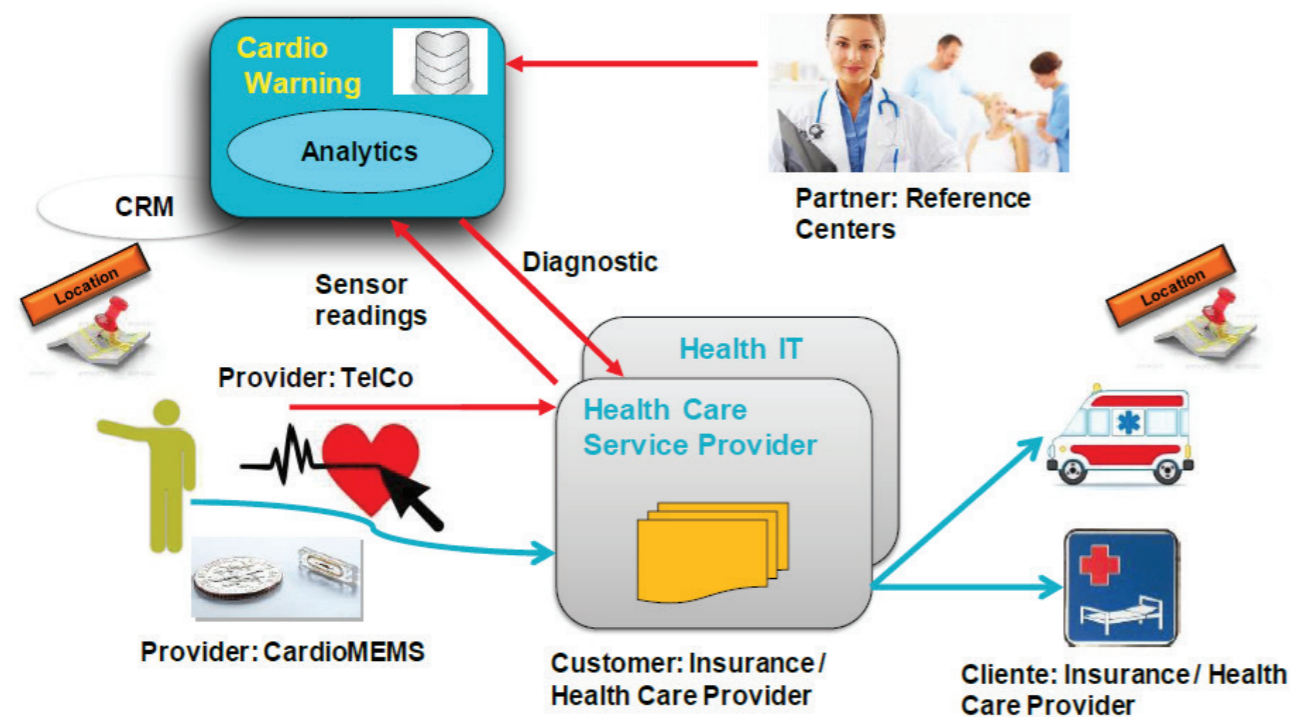
Cardio Warning is a service fundamentally oriented to health service providers (private and public providers), hospital groups, and big Health-IT companies.

Service invoicing is based on the number of patients which are tracked; cost for the customer depends on the sensor required for each patient according to the disease severity (two different sensors are contemplated: extracorporeal sensor or an internal implanted sensor) and the economic level of the countries selected.

Average yearly hospitalization savings for Health Service Providers in Spain are estimated in 15M€ per year in the

operation period analyzed (reaching 20M€ of savings in the last year with penetration rate considered). Costs associated with the service development and deployment by the Spanish Healthcare System are estimated in 5,6M€ per year in order to extend the service to more than thirty-one thousand patients in the country.

The pricing scenario proposed by Cardio Warning represents a 7.68% of estimated savings for the administration.



Final Conclusions

1. Cardio Warning service is viable from a technical and economic point of view.
2. The technology and the society are mature for a service such as Cardio Warning.
3. Cardio Warning improves GIBiomed offering as it is complementary to current offering.
4. High margin due to savings achieved.
5. Extensible to other pathologies.
6. Improves patient's life quality and autonomy, saving lives in the most critical patients.
7. Resources optimization due to hospitalization reduction.
8. Increased capacity and quality in the health professional dedication.
9. Great grow potential as it is an incipient market.