

# A basic assessment framework to monitor and evaluate a Population Integrated Intervention Program for heart failure patients in the Basque Country

*Ponce S., David M., Ramos E., Domingo C., Mora J., de Manuel E.*

**Population Integrated Intervention Programs** were drawn up in the clinical field on how best to provide healthcare in a coordinated and efficient manner among all players involved for each target population. The program for patients with heart failure was defined for patients who are in the segment of disease management in the Kaiser pyramid.

## OBJECTIVE

To define and select the correct **set of indicators to build assessment framework** comprising key performance indicators for **evaluation a Population Integrated Intervention Programme (PII) for heart failure patients** deployed in the **Basque Country**.

## METHODS

A **specific dashboard was built** including several **indicators for the domains:** case ascertainment, health outcomes, clinical management goals, process outcomes, service utilization and economic outcomes.

Patients in the program are **identified in the administrative database of the Basque Country Healthcare system**.

Their data were collected in an anonymised manner and provided to the dashboard as aggregated values from the period 2012, 2013 and 2014.

DOMAIN	INDICATORS
Case ascertainment	Coverage of the target population
Health Outcomes	<b>Mortality;</b> Number of hospitalization per patient; Improved treatment (decrease of polypharmacy)
Services utilization	<b>Total hospitalization days;</b> Number of readmissions (30 days), per patient; Adequate use of emergency, per patient
Economic outcomes	<b>Total cost per patient;</b> transition of resources towards primary care
Process outcomes	<b>Number of patients with anti-fluenza vaccins;</b> % of registered patients with autonomy information (BARTHEL index); Number of patients attending a smoke cessation clinic
Clinical Management Goals	Average Barthel Score

## CONCLUSIONS

The framework was used to **evaluate the program for heart failure patients in 11 microsystems** for years 2012, 2013 and 2014.

The number of **admissions, readmissions, emergency visits and polypharmacy** was analyzed.

This study allow to **build a basic dashboard to monitor and evaluate the integrated intervention program for heart failure patients** and a data from 2015 and 2016 are going to be analyzed.