

# PiCADO - Longitudinal Study on "Domo-medicine" (Telemedicine) in Cancer Treatment

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General	
Identification	
Detailed name	Longitudinal Study on "Domo-medicine" (Telemedicine) in Cancer Treatment
Sign or acronym	PiCADO
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	Accord CNIL
General Aspects	
Medical area	Cancer research
Health determinants	Iatrogenic Nutrition
Keywords	Colon cancer, rectal cancer, pancreatic cancer, bronchopulmonary cancer, circadian rhythms, chrono-chemotherapy, Domo-medicine, lung cancer, Ile de France, Champagne-Ardenne
Scientific investigator(s) (Contact)	
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Organization

Hôpital Paul Brousse -

Collaborations

Funding

Funding status

Public

Details

Région Ile-de-France ainsi que par la Région Champagne-Ardenne

Governance of the database

Sponsor(s) or organisation(s) responsible

INSERM

Organisation status

Public

Additional contact

Main features

Type of database

Type of database

Study databases

Study databases (details)

Longitudinal study (except cohorts)

Database recruitment is carried out by an intermediary

A selection of health institutions and services

Database recruitment is carried out as part of an interventional study

No

Database objective

Main objective

The aim of PiCADO is to provide clinical, socio-economic and technological quantitative indicators with sufficient statistical reliability, so as to refine and validate early predictors of toxicity (asthenia, anorexia, diarrhoea, fever, neutropaenia) or indeed efficacy (tumour response, progression-free survival), to demonstrate a reduction in emergency admissions and severity of chemotherapy side effects compared to matched patients receiving similar treatment for the same condition under conventional conditions.

Inclusion criteria

- Men or women - Diagnosed with cancer (all cancer

types) - Over 18 years of age - Treated as an outpatient - Living at home (alone or as a couple) - Covered by health insurance - Written consent in French to participate in the study

Population type	
Age	Adulthood (19 to 24 years) Adulthood (25 to 44 years) Adulthood (45 to 64 years) Elderly (65 to 79 years) Great age (80 years and more)
Population covered	Sick population
Gender	Male Woman
Geography area	Local
French regions covered by the database	Alsace Champagne-Ardenne Lorraine Île-de-France
Detail of the geography area	Hôpital Paul Brousse (Villejuif) or Institut Jean Godinot (Reims).
Data collection	
Dates	
Date of first collection (YYYY or MM/YYYY)	04/2012
Date of last collection (YYYY or MM/YYYY)	2016
Size of the database	
Size of the database (number of individuals)	< 500 individuals
Details of the number of individuals	200
Data	
Database activity	Current data collection
Type of data collected	Clinical data Biological data
Clinical data (detail)	Medical registration

Biological data (detail)	Wireless physiological data sensors: scales (placed in the bathroom, bedroom or another room chosen by the patient), temperature, activity-rest and position sensor (worn continuously by the patient via a chest-level port system).
Presence of a biobank	Yes
Contents of biobank	Others
Details of biobank content	All collected data are securely stored (certified medical data hosting) in a central system constituting the patient record: - Data from the sensor and scales are transmitted via a portable data collector (Bluetooth Low Energy communication) - data from the collector and touch pad are transmitted to the patient's record via GPRS communication.
Health parameters studied	Health event/morbidity Health event/mortality Health care consumption and services Quality of life/health perception
Care consumption (detail)	Hospitalization Medical/paramedical consultation Medicines consumption
Procedures	
Participant monitoring	Yes
Details on monitoring of participants	--
Links to administrative sources	No
Promotion and access	
Promotion	
Access	
Terms of data access (charter for data provision, format of data, availability delay)	Data is transmitted for 4 months on a daily basis from a mobile GPRS collector.
Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only