

## THE FRENCH "REGIONAL HEALTH AGENCIES"

The French "regional health agencies" (ARS) are responsible for the regional management of the health system in France. They define and implement health policy in the French regions as closely as possible to the needs of the population.

They rely on their geographic information portal named "AtlaSanté" to centralize and disseminate public health data. The geostatistical observatory "C@rtoSanté", based on Géoclip, is one of their historical projects dedicated to medical demography, demand and access to care for private primary care health professionals.



The French "regional health agencies" (ARS) are public administrative structures attached to the French Ministry of Solidarity and Health. They are responsible for the unified management of the health system in France and for regulating the supply of health care in the French regions.

The ARS bring together all health actors. They develop a global vision of health in the fields of prevention and health promotion, health monitoring and safety, as well as the organization of the healthcare offer and medico-social care. They also make it possible to decompartmentalize health care pathways while ensuring the quality, efficiency and safety of care and support in the health care system in France. [ars.sante.fr](http://ars.sante.fr)



Géoclip is developed by Business Geografic, Ciril GROUP's business unit specializing in innovative mapping software, geographic information systems (GIS) and geospatial intelligence. Ciril GROUP is a software publisher and a Cloud hosting company. [business-geografic.com](http://business-geografic.com) - [cirilgroup.com](http://cirilgroup.com)

Géoclip is a geostatistical observatory solution in responsive web mode. Géoclip enables to draw up territorial portraits by processing all kinds of data and indicators in order to meet all geostatistical observation and communication needs. Géoclip promotes the shared knowledge of territories. The Géoclip observatories are well known and recognized for their semiological relevance and their quality renderings. [geoclip.fr](http://geoclip.fr)

### AT A GLANCE

The French regional health agencies are carrying out various information dissemination projects through their geographic portal "AtlaSanté"; these projects aim to support health professionals, territorial decision-makers, researchers, etc. in their decisions in the field of public health. This portal, in addition to centralizing geographic health information, also includes the geostatistical observatories "C@rtoSanté" (Map of Health), "l'Atlas de la Santé Mentale en France" (Atlas of Mental Health in France) and "SIRSé" (Regional Health Information System), all of which are based on the Géoclip solution powered by Business Geografic and Ciril GROUP.

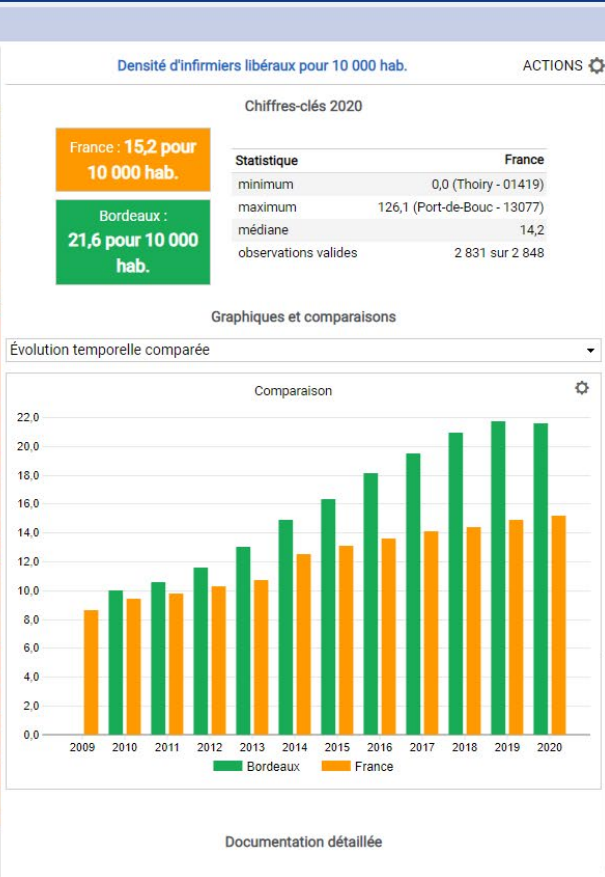
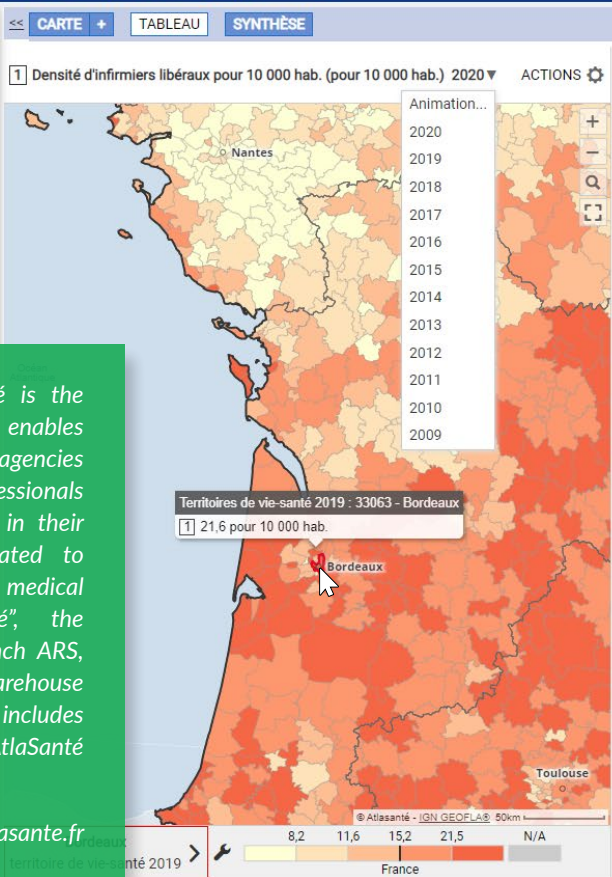
C@rtoSanté is the first French ARS' geostatistical observatory created in collaboration with the Géoclip teams. C@rtoSanté promotes the shared knowledge of territories in terms of supply, demand and access to primary care.

*"We wished to create a tool that would help independent healthcare professionals choose where to practice. Initially, the observatory was dedicated to general practitioners; it was then enriched with thematic data and indicators for nurses, massage therapists, dental surgeons, speech therapists and midwives. C@rtoSanté is well-known and recognized; the tool is even quoted in Article 2 of the Amendment 20 to the French National Medical Convention of January 12, 2005 as being a personalized follow-up tool".*

Stéphanie Dauthel and Rachel Garwig, C@rtoSanté national project team.

Indicateurs : cartes, données et graphiques

- CHOISIR DES INDICATEURS
- INFIRMIERS > Offre de soins (8)
- Nbre d'infirmiers lib. au 31/12 (2020...2004)
  - Part des infirmiers lib. par tranche d'âge (2020...2004)
  - ✓ Densité d'infirmiers lib. (2020...2009)
  - Evolution du nbre d'inf. lib. sur 5 ans (2020...2009)
  - \* Zonage infirmiers 2020
  - Nbre de SSIAD (2020...2009)
  - Nbre de CSIP. (2020...2009)
  - Nbre de cabinets secondaires inf. lib. (2020...2009)
- \* : visible sur une autre carte
- classer par type



Based on Géoclip, C@rtoSanté is the web mapping observatory that enables the French regional health agencies (ARS) to help liberal health professionals and territorial decision-makers in their decision-making processes related to demand and access to care, medical demography, etc. "Atlasanté", the geographical portal of the French ARS, also offers a public data warehouse named "DataSanté"; it also includes data that partly feeds the Atlasanté observatories based on Géoclip.

cartosante.atlasante.fr

### IN-DEPTH ANALYSES

C@rtoSanté offers liberal health professionals - general practitioners, nurses, massage therapists, physiotherapists, dental surgeons, speech therapists, midwives etc. - the ability to explore statistical data and geolocalized indicators related to the local supply and demand for care. This observatory ([cartosante.atlasante.fr](http://cartosante.atlasante.fr)) helps them make decisions about where to settle.

Medical activity, medical density, health care consumption on the territory, etc. are criteria on which these liberal health professionals rely in order to carry out in-depth studies and to foresee a potential development of their activity.

Users who feel comfortable with mapping tools can also import more statistical data into C@rtoSanté in order to refine their analyses and make even more informed decisions.

### FINE RENDERINGS

Data within C@rtoSanté is rigorously structured according to nine geographic scales. Géoclip offers all kinds of analyses, representation modes and portraits of territories, from the most aggregated level (French regions) to the finest level allowed by the data (French communes); the tool also allows users to visualize data related to the French overseas departments and regions without having to go through the view of metropolitan France.

The power of Géoclip enables instantaneous data processing and cartographic rendering as soon as users change geographical level.

C@rtoSanté is also the only public tool that comes with a 16-year history of data related to the supply of, and demand for, primary care by general practitioners and nurses in France; the territorial portraits rely on evolution data over the last 10 years.

### UNANIMOUS FEEDBACKS

"Our audience has broadened far beyond healthcare professionals; the tool is increasingly used by elected officials, local authorities, researchers, etc., and even by the general public. We have received very positive feedbacks from all users about the Géoclip ergonomic approach, power and features," says Stéphanie Dauthel, C@rtoSanté national project Manager.

C@rtoSanté meets all the needs of its users; elected officials carry out territorial diagnoses in order to get the full picture of the supply and use of healthcare and make better decisions on the (re)dynamization of their territories; researchers rely on the temporal axis to make projections on the evolution of the supply and demand of primary care in France.

Building on this success, the C@rtoSanté teams wish to further enrich their Géoclip observatory in order to offer statistical data and geolocalized indicators to an even wider audience.