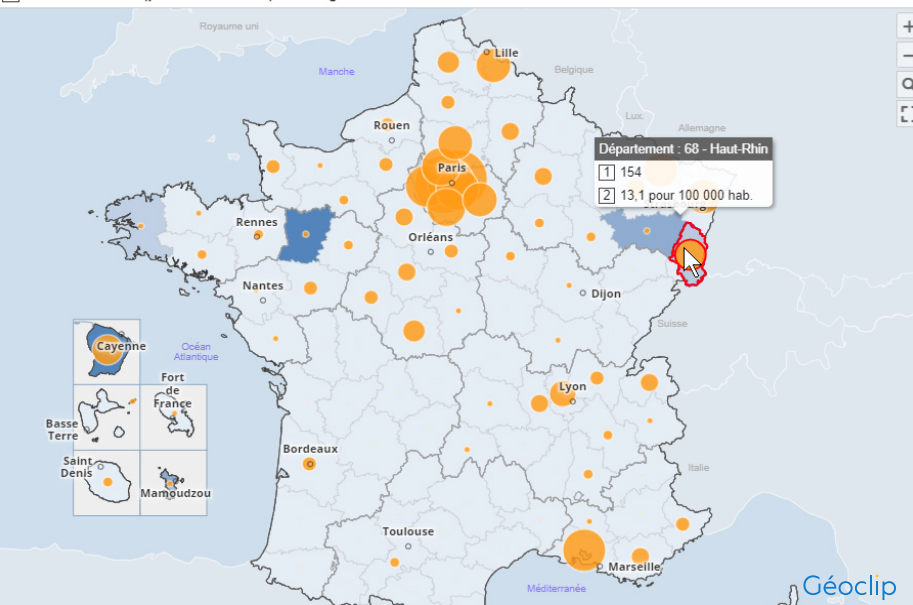


- 1 Nombre de personnes actuellement hospitalisées pour COVID-19 - hommes et femmes 2020-07-23 ▼
- 2 Taux d'incidence (pour 100 000 hab.) - tous âges 2020-02-29 ▼



Santé publique France is the national public health agency in France. Their vocation is to monitor, supervise, prevent, alert and take action on a wide range of public health topics in France.

Informing the general public is one of their missions. To do so, Santé publique France relies on Géodes, their web geostatistical observatory based on Géoclip, in which they publish health monitoring indicators related to the French territory and population.

## AT A GLANCE

March 2020: France, as well as many other countries, undergo a global health crisis related to the Covid-19 coronavirus pandemic.

As part of their information missions, Santé publique France began disseminating data related to this crisis as soon as mid-March 2020 via their geostatistical observatory named Géodes. This web observatory is based on Ciril GROUP's Géoclip mapping software solution.

Since then, countless political leaders, health professionals, territorial actors and citizens from France and elsewhere have visited, and keep on regularly referring to, the Géodes observatory - whose data is being updated on a daily basis - in order to follow the evolution of the crisis.

Géodes proves to be a valuable reporting and communication tool for Santé publique France. Géodes retrieves the data collected by Santé publique France, who produces a daily epidemiological report that is rich in geostatistical indicators. Géodes enables everyone to follow the evolution of the Covid-19 epidemic in France.

*"We have chosen to disseminate the whole existing data as it has become available; all our indicators are published for the largest number, in the interests of transparency and public service".*

Mr. Étienne Lucas,  
Scientific Research Officer  
and Administrator of the Géodes observatory  
at Santé publique France.



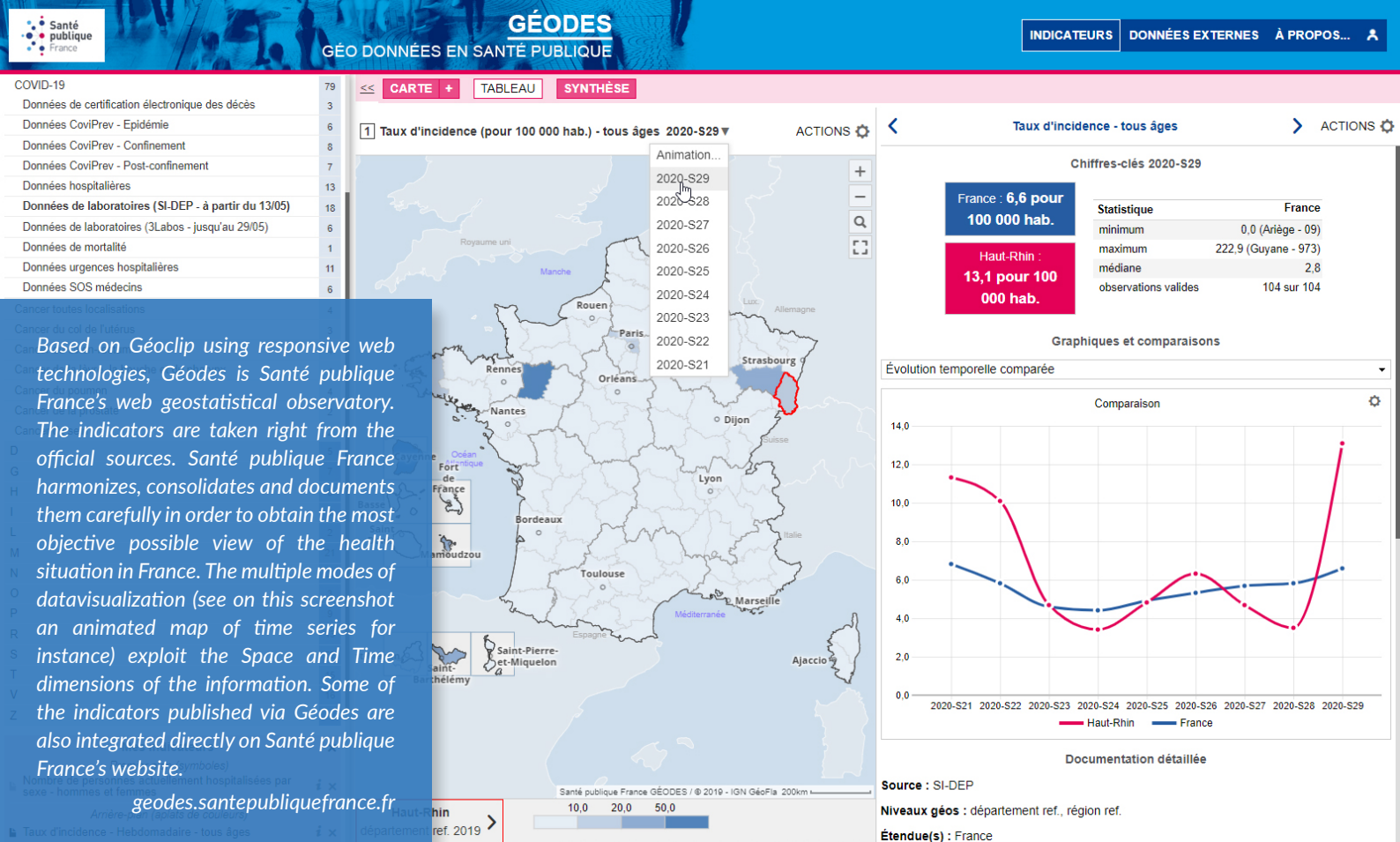
Santé publique France is a public structure under the supervision of the French Ministry of Health. Santé publique France carries out various monitoring, alert, prevention and information actions in the field of public health in France.

Their missions to inform the general public include the collection of information from organizations producing health-related data, the construction and documentation of statistical and geostatistical indicators, the management of associated databases, the administration of their Géoclip observatory named Géodes, the facilitation of relations with the producers and users of the data, etc. [santepubliquefrance.fr](https://santepubliquefrance.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](https://business-geografic.com) - [cirilgroup.com](https://cirilgroup.com)

Géoclip is a geostatistical observatory solution in responsive web mode. Géoclip enables to draw up territorial portraits by processing all types 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](https://geoclip.fr)



## METICULOUS WORK

Santé publique France updates Géodes on a daily basis with data from various producers such as the French emergency services, SOS Médecins, Insee (National Institute for Statistics and Economic Studies), hospitals, biological and medical laboratories, etc. Santé publique France consolidates and documents their indicators carefully before integrating them to Géodes. Indeed, they pay particular attention to providing the most accurate information possible about the data sources and calculation modes of each indicator. The documentation of indicators is systematically provided in the summary sheet as well as the information panel within Géodes.

This meticulous work is widely appreciated by both professionals and the general public. Proof of this is the significant increase in web traffic on Géodes; between March and July 2020, the website received 9+ million visits. This high traffic is most motivating for all those who work on the collection and the dissemination of the data.

## RICH DATA

The data within Géodes is being updated on a daily basis at 07:00 PM on a public website - currently available in French language on [geodes.santepubliquefrance.fr](https://geodes.santepubliquefrance.fr). Among other data producers, hospitals report daily patient data: number of people being hospitalized/in intensive care/back home/deceased, etc.

Santé publique France then cross-references these indicators by gender and age before breaking them down by French *Département* or *Région*. The cross-referencing and definition of the geographical levels are carried out in such a way that they fully comply with the requirements of statistical privacy.

The first indicators were related to medical emergency visits only. Since mid-May 2020, laboratories have enriched the existing data by sending data on test results that help to follow the pandemic evolution and to detect any slowing down or acceleration trend of the epidemic.

## AN EVOLVING TOOL

Étienne Lucas is the Administrator of Santé publique France's Géodes observatory. He particularly appreciates the flexibility, simplicity and speed of data updates in Géoclip; an operation that he carries out every day in less than an hour - every single day including weekends and public holidays during periods of high epidemic activity.

Géoclip's scalability is another key success factor of Géodes. Santé publique France plans to integrate new statistical and geostatistical indicators based on the data coming from the French *Ehpads* (private structures providing accommodation for dependent elderly people) for instance.

In the future, the tool will also enable Santé publique France to highlight the main indicators even better, in order to facilitate the use of Géodes by non-specialists who will find their way more easily through an ever-increasing number of indicators within Géodes.

*Géodes also disseminates several hundreds of other data sets for the epidemiological monitoring of the population on the French territory.*