



**PREMIER  
MINISTRE**

*Liberté  
Égalité  
Fraternité*

Direction interministérielle  
du numérique

etalab gouv.fr

European Data Portal Tailored Support Workshops

# OPENING COVID-19 VACCINES DATA IN FRANCE

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Thursday 18 February 2021

MISSION

## What is Etalab

**We coordinate the design and implementation of the State's data strategy.**

## What is Etalab

- Data **opening** and data circulation
- Manage the national open data portal **data.gouv.fr**
- Data **exploitation**: data science, artificial intelligence
- Innovation and openness of **public action**



**A retrospective**

A RETROSPECTIVE

## Why open COVID-19 data

- Provide **factual information** to citizens and policy makers
- Essential for researchers, journalists, companies, etc.

## A RETROSPECTIVE

# What we did in 2020

## Open data



Testing



Hospitalisations and ICU



State economic aid



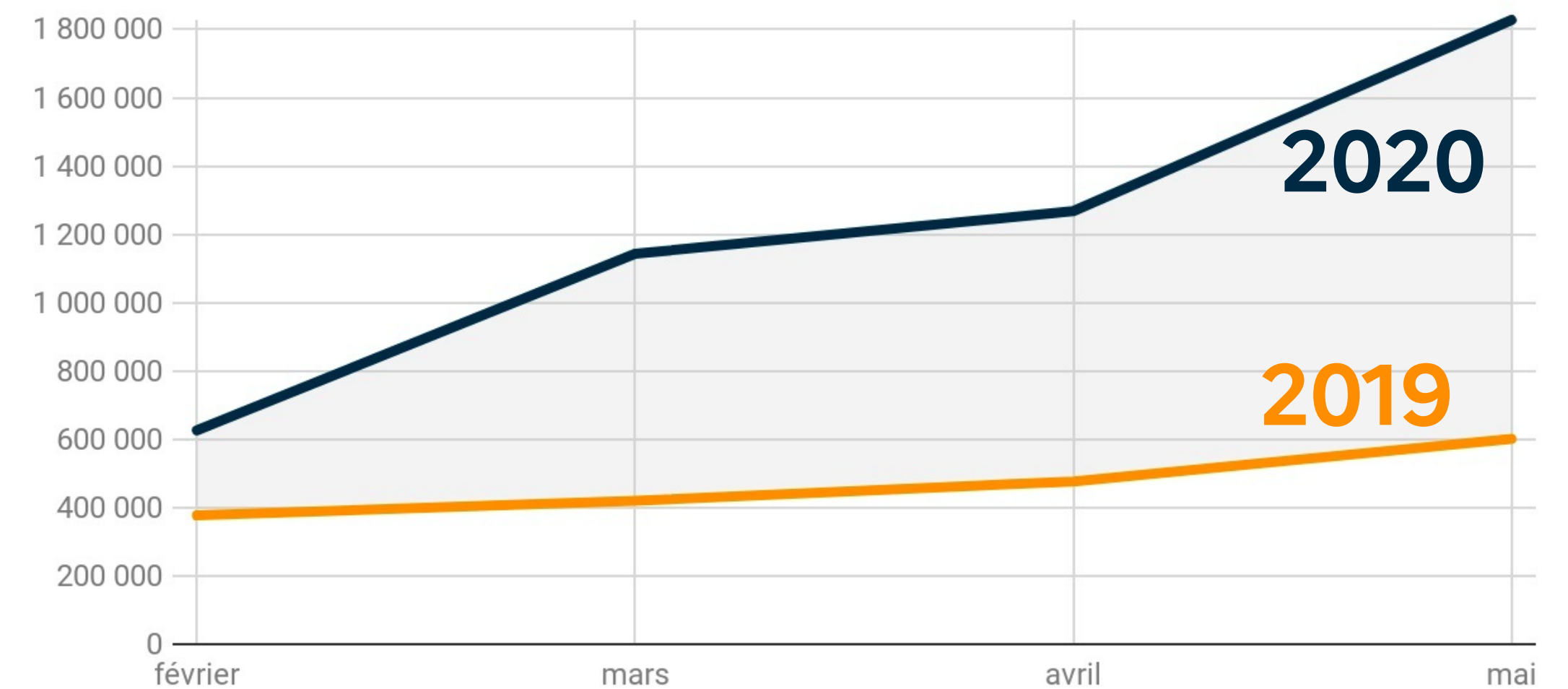
Contact tracing app



Local measures

## Record traffic

Change in traffic between February and May 2020 compared with 2019



# **Vaccination data**

VACCINATION DATA

## Vaccination is complex



**Actors involved**

- Health authorities
- Political authorities
- Private companies



**Lots of sources**

- Closed system to keep track of vaccinations
- Logistics data
- Appointments with private companies



## What is open today

 Number of people vaccinated

 Vaccination centres

 Vaccine stocks

 Vaccine deliveries

 Vaccination appointments

## What is open today



**Number of people vaccinated**



**Vaccination**

Data issued from the national IS

No. of people having received  
one or two doses, by:

- Sex
- Age groups
- Region
- Department

- Address and p
- Opening hour
- Webpage + ph  
for appointme

## VACCINATION DATA

### What is open today

People vaccinated

in the national IS  
having received  
vaccines, by:



Vaccination centres

- Address and precise location
- Opening hours
- Webpage + phone number for appointments



Vaccine storage

Data on vaccine

- Type of vaccine
- Region, department, storage facility

Taking into account  
logistics flows

VACCINATION DATA

## What is open today

ion centres

precise location

s

hone number

ents



Vaccine stocks

Data on vaccine stocks, by

- Type of vaccine
- Region, department and storage facility

Taking into account different logistics flows



Vaccine

Past and expected by:

- Logistic flow
- Type of vaccine
- Region and de

VACCINATION DATA

## What is open today

the stocks

the stocks, by  
the  
tment and  
y  
ount different



Vaccine deliveries

Past and expected deliveries,  
by:

- Logistic flow
- Type of vaccine
- Region and department



Vaccination

Number of appo

- Injection (first
- Week
- Region, depart  
vaccination ce

VACCINATION DATA

## What is open today

deliveries



Vaccination appointments

ed deliveries,

ne

department

Number of appointments, by:

- Injection (first or second)
- Week
- Region, department, and vaccination centre

# **Data visualisation**



# POINT DE SITUATION

## ● Point sur la situation sanitaire

Source : [data.gouv.fr](https://data.gouv.fr)

Dernière mise à jour : 15 février 2021

**Nouveaux cas confirmés :**

**4 376**

Les dernières 24h

↘ -73,6 %

Dernière mise à jour : 15 février 2021

**Nouveaux patients en réanimation :**

**306**

Les dernières 24h

↗ +170,8 %

Dernière mise à jour : 12 février 2021

**Taux de positivité :**

**5,9%**



Pour en savoir plus :

[Stratégie vaccinale](#) →

Dernière mise à jour : 14/02/21

**Nombre de personnes ayant reçu une première injection :**

**2 255 597**

Dernière mise à jour : 14/02/21

**Nombre de personnes ayant reçu une seconde injection :**

**640 875**

Dernière mise à jour : 31/01/21

**Doses en stock dans les établissements de santé :**

**492 954**

En savoir plus sur les indicateurs

+



France

## COVID-19 - France

3 406 685 <sup>①</sup>

(+ 21 063)

cas confirmés

2 159 710 <sup>①</sup>

(+ 76 554)

premières doses  
injectées (au  
total)

80 803

(+ 360)

cumul des décès

## Données hospitalières

27 007 <sup>①</sup>

(- 454)

patients  
hospitalisés

1 610 <sup>①</sup>

(+ 90)

nouveaux  
patients  
hospitalisés

238 753 <sup>①</sup>

(+ 1 640)

retours à  
domicile

3 337 <sup>①</sup>

(+ 18)

patients en  
réanimation

269 <sup>①</sup>

(- 13)

nouveaux  
patients en  
réanimation

57 132

(+ 360)

décès à l'hôpital

## Données EHPAD et EMS

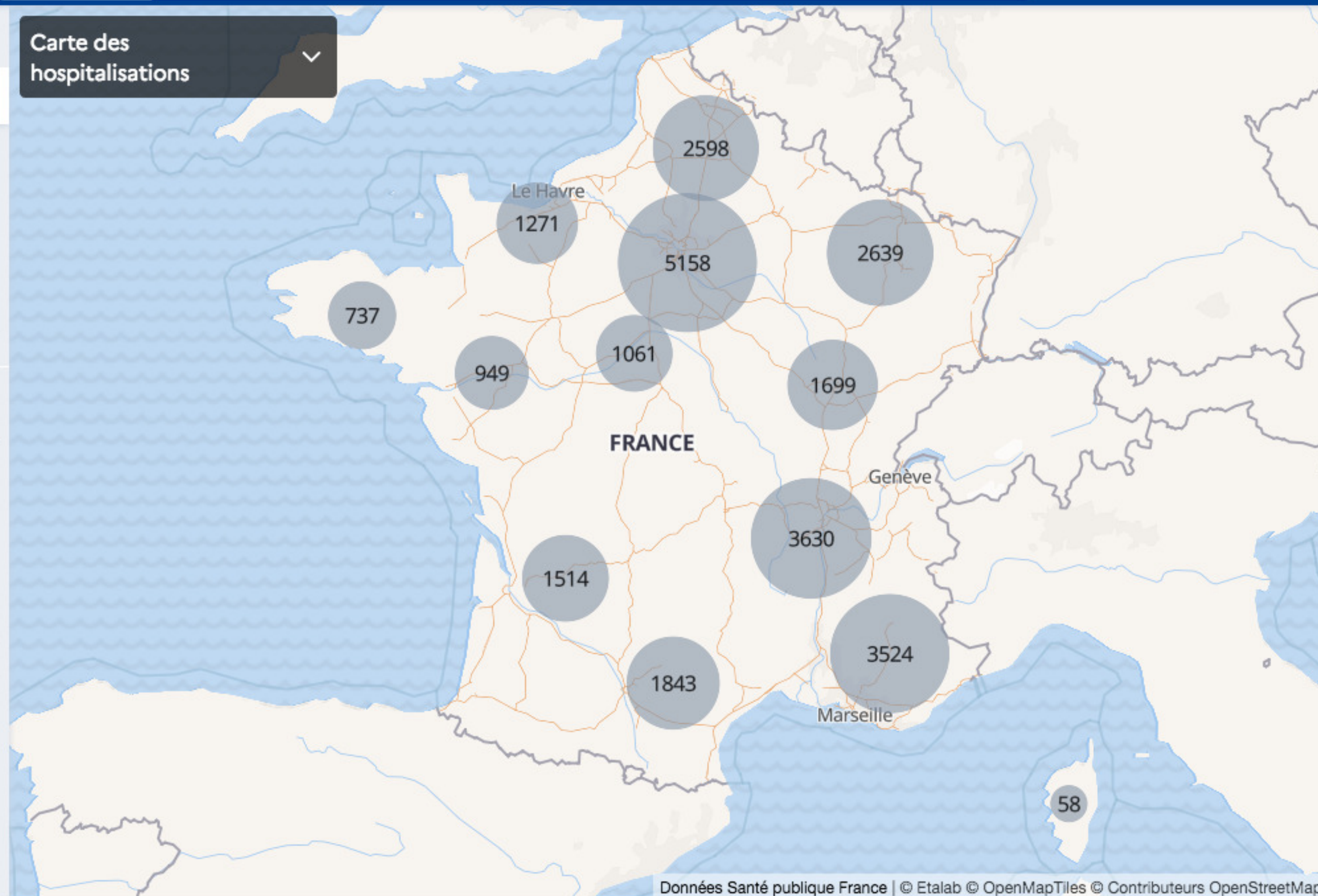
181 965 <sup>①</sup>

cas confirmés en EHPAD et  
EMS

23 671 <sup>①</sup>

décès en EHPAD et EMS

Carte des  
hospitalisations



Données Santé publique France | © Etalab © OpenMapTiles © Contributeurs OpenStreetMap

Guadeloupe



Martinique



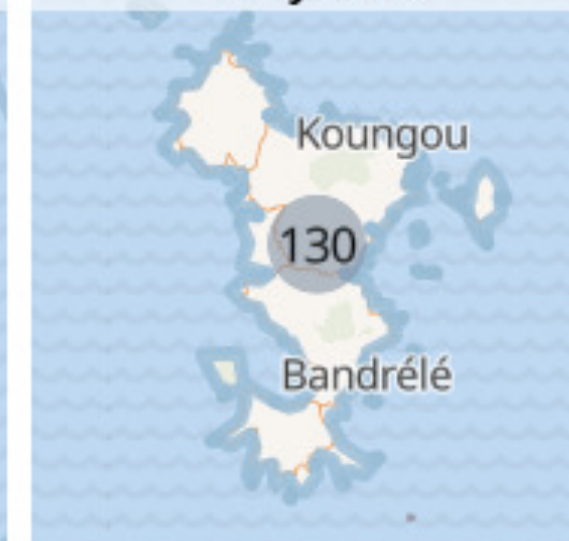
Guyane



La Réunion



Mayotte



3500000

3000000

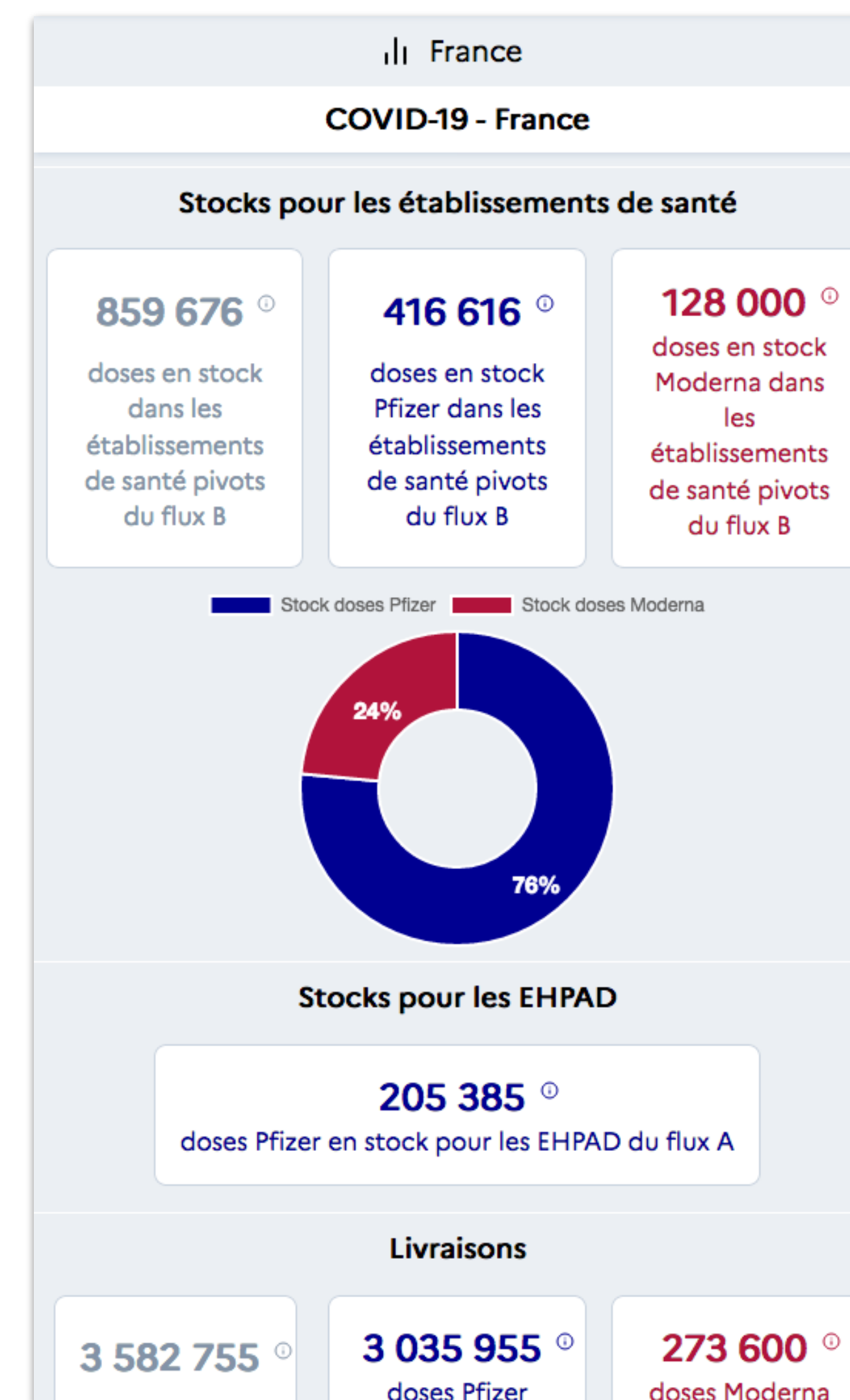




# Vaccination



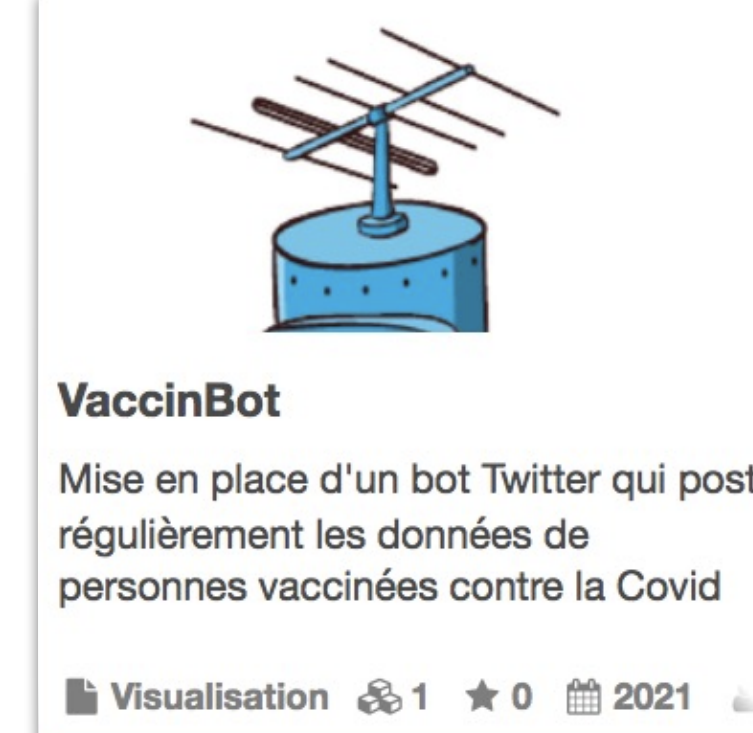
# Logistics





## THE OUTCOME

# More than 30 reuses










**What's next?**

WHAT'S NEXT?

## More data

-  New vaccines
-  Pharmacovigilance
-  Concentration of SARS-CoV-2 in waste water
-  Anonymised contact tracing data
-  Repository of health resources

WHAT'S NEXT?

## Several challenges

Organisational challenge

Coordination among actors

Technical challenge

Different data sources

Evolving situation

Need to adapt the indicators

WHAT'S NEXT?

## What we learned

Be prepared

Implement interoperable systems of data **collection, aggregation and publication**

Be organised

**Map all the data** produced and associate operational contacts for each dataset

WHAT'S NEXT?

**A strong political interest**

# Lessons from crisis management

- COVID-19 raised the salience of data in the political debate
- Policy decisions must be backed by data



WHAT'S NEXT?

## A strong political interest



Investments

Using the resources from NextGenerationEU, the Government will **finance data-driven projects** within public administrations



Commitment

The Government has made a commitment to implement **a stronger open data policy** and open new datasets



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# MERCI !

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Thursday 18 February 2021

## RESOURCES

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 [etalab](#)

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