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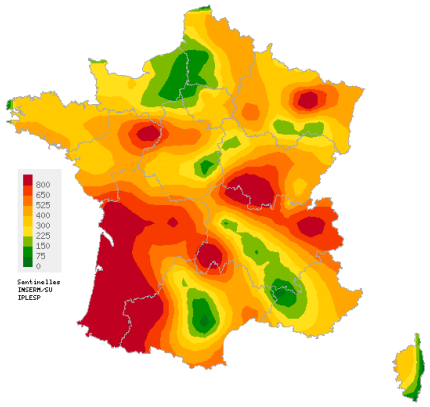
## Observed situation in general practice for the week 6 of the year 2024, from 02/05/2024 to 02/11/2024

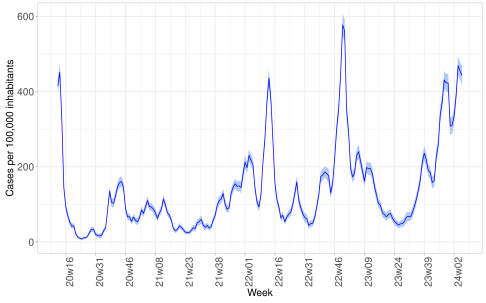
## Acute Respiratory Infection (ARI)

Covid-19, Influenza and other respiratory viruses

High activity in general practice



Spatial interpolation map of incidence rates at department level




Incidence rates by week

**In mainland France**, last week (2024w06), the incidence rate of ARI cases consulting in general practice was estimated at **443 cases per 100,000 population (95% CI [417; 469])**.

Subject to future consolidation of data, this rate is **slightly decreasing over the past two weeks** (consolidated data for 2024w05: 454 [431; 477]).

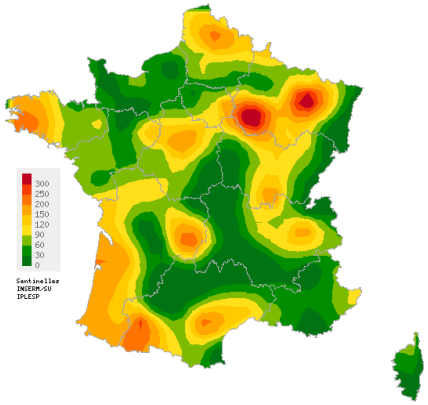
**You will find more detailed information on ARI on page 2, influenza on page 3, Covid-19 on page 4 and RSV on page 5.**

*Complete national and regional data are available on the last page of this bulletin.*

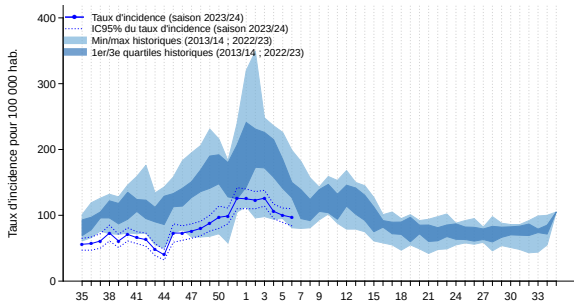
ARI are caused by a variety of respiratory viruses including SARS-CoV-2 (Covid-19), influenza viruses, and other respiratory viruses such as RSV, rhinovirus and metapneumovirus.The purpose of ARI surveillance is to monitor outbreaks of these virus.

## Acute diarrhea

Moderate activity in general practice



Spatial interpolation map of incidence rates at department level




Incidence rates and comparison with historical data (*)

**In mainland France**, last week (2024w06), the incidence rate of acute diarrhea cases seen in general practice was estimated at **97 cases per 100,000 population (95% CI [84; 110])**.

Subject to future consolidation of data, this rate is **stable** compared to the previous week (consolidated data for 2024w05: 100 [89; 111]) and is among the lowest rates usually observed at this time of year. A decreasing trend has nevertheless been observed over the past three weeks.

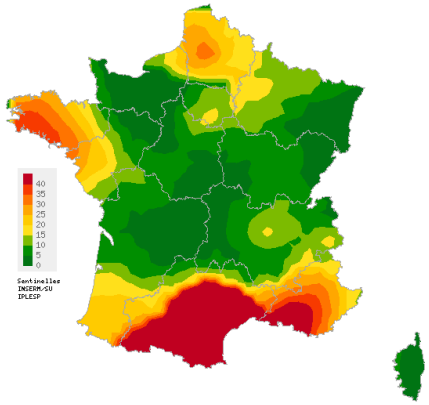
*Complete national and regional data are available on the last page of this bulletin.*

The purpose of acute diarrhea surveillance is to monitor gastroenteritis outbreaks.

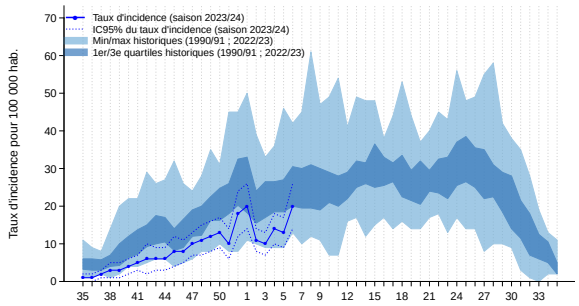
*(*) Incidences of acute diarrhea were greatly reduced march 2020 and august 2021 by containment and sanitary measures to control the Covid-19 pandemic. They are not included in historical comparisons.*

## Chickenpox

Low activity in general practice



Spatial interpolation map of incidence rates at department level




Incidence rates and comparison with historical data (*)

**In mainland France**, last week (2024w06), the incidence rate of Chickenpox cases seen in general practice was estimated at **20 cases per 100,000 population (95% CI [14; 26])**.

Subject to future consolidation of data, this rate is **increasing** compared to the previous week (consolidated data for 2024w05: 13 [9; 17]) and is at a similar level of activity as those usually observed at this time of the year.

*Complete national and regional data are available on the last page of this bulletin.*

*(*) Incidences of Chickenpox cases during the 2019/2020 and 2020/2021 seasons were greatly reduced by the Covid-19 pandemic containment and health measures. They are not included in historical comparisons.*

Find more information about case definitions, statistical methods and the Sentinelles network on our website

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## Acute respiratory infection (ARI) - Additional data

### Modalities of ARI monitoring by the Sentinelles Network

Every year, viruses with respiratory tropism circulate in mainland France causing acute respiratory infections (ARI). These viruses are mainly **SARS-CoV-2 (COVID-19)**, **respiratory syncytial virus (RSV)**, **influenza viruses**, **rhinovirus** and **metapneumovirus**.

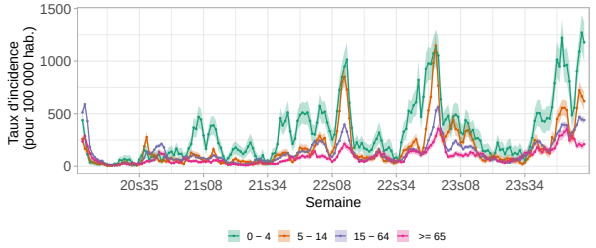
In order to carry out this surveillance, Sentinel general practitioners have been reporting the number of cases of acute respiratory infection (ARI) seen in consultation (or teleconsultation), according to the following definition: **sudden onset of fever (or feeling of fever) and respiratory signs.**

Descriptive data are also collected for each patient, including the results of diagnostic tests for Covid-19 (RT-PCR or antigenic test).

**Virological surveillance** is also carried out by Sentinel general practitioners and pediatricians, who take weekly samples from patients consulting for an ARI, in order to identify different respiratory viruses and monitor their circulation.

From this clinical and virological information, it is possible to estimate the number of cases of **Covid-19, influenza virus and VRS among ARI cases seen in general medical consultations.**

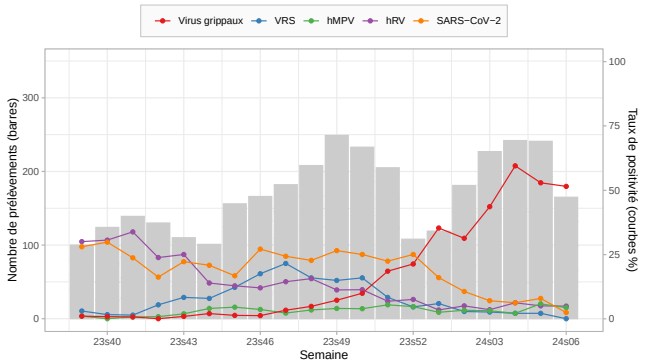
### ARI incidence rates by age groups




Weekly national incidence rates of ARI by age groups

Last week (2024w06), subject to future data consolidation, incidence rates were **slightly decreasing in the 0-4 and 5-14 age groups** and **stable in the other age groups** compared to the previous week.

### Circulation of respiratory viruses in general practice and pediatric



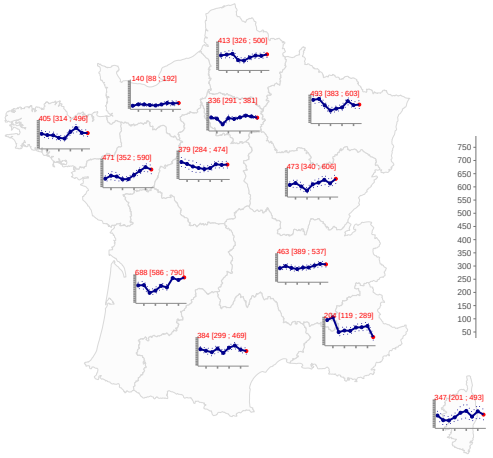

Number of swabs and positivity rate of the tested respiratory viruses among ARI cases swabbed by Sentinelles physicians (GPs and pediatricians) since week 2023w39

This season, 286 general practitioners and pediatricians are taking part in virological surveillance.

Last week (2024w06), **165 patients** presenting an ARI and seen in general practice or pediatric consultations were tested. The rates of positivity of samples for the various viruses tested were as follows:

- **Influenza viruses: 52%** (85/165) (consolidated data for 2024w05: 53% (127/240));
- **SARS-CoV-2 (Covid-19): 2%** (4/165) (consolidated data for 2024w05: 8% (19/240));
- **Rhinovirus: 5%** (8/164) (consolidated data for 2024w05: 5% (12/240));
- **Respiratory syncytial virus (RSV): 0%** (0/165) (consolidated data for 2024w05: 2% (5/240));
- **Metapneumovirus: 4%** (7/164) (consolidated data for 2024w05: 6% (14/240)).

### ARI incidence rates by regions




Weekly ARI incidence rates by regions over the last nine weeks

### In conclusion

Last week (2024w06), subject to future data consolidation, the incidence of **ARI** cases seen in general practice continued the **decline observed since the end of January (2024w04)**, **mainly among children** aged 0-4 and 5-14, and to a lesser extent among 15-64 years old (see graph opposite).

The ARI cases observed the past week (2024w06) in general practice were mainly linked to the **circulation of the influenza viruses** (see graph opposite).

Find more information about case definitions, statistical methods and the Sentinelles network on our website

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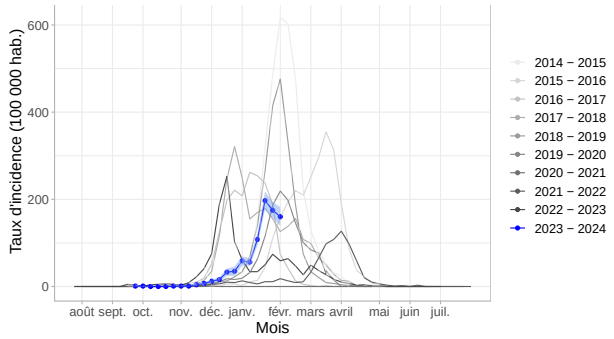
# Observed situation in general practice for the week 6 of the year 2024, from 02/05/2024 to 02/11/2024

## INFLUENZA

### Estimating the incidence of influenza in general practice



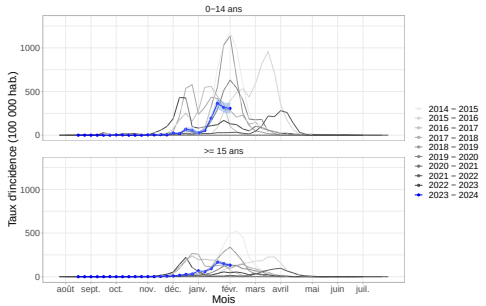

Incidence rate of influenza cases observed in general practice since 2023w39 (blue) compared to previous seasons (grey) (*)

Last week (2024w06), the incidence rate of influenza cases seen in general practice for acute respiratory infection was estimated at **223 cases per 100,000 population** (95% CI [193; 253]), corresponding to 148,642 [128,843; 168,441] new cases.

Subject to future data consolidation, this rate is **slightly decreasing** compared to the previous week (consolidated data for 2024w05: 233 [210; 255], corresponding to 155,177 [140,151; 170,203] new cases).

*(*) In order to compare current activity with past influenza epidemics, the incidences presented in this graph are taken from the influenza-like illness indicator. These data have been estimated secondarily from the ARI indicator since 2020.*

### Estimated incidence of influenza cases by age groups




Incidence rate of influenza cases seen in general practice by age group since 2023s39 (blue) and comparison with historical data (grey)*

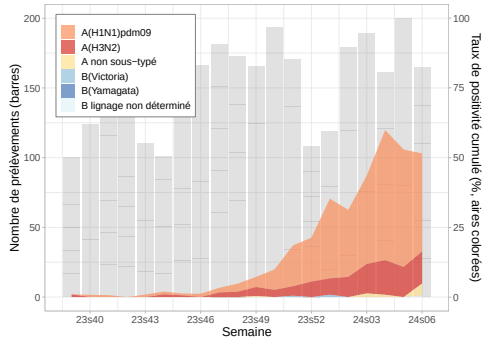
Last week (2024w06), subject to future data consolidation, the incidence rates of influenza cases seen in general practice for ARI were **stable among the 0-14 years** and **slightly decreasing among the 15 years and above** compared to the previous week.

### Description of confirmed influenza cases

Since the beginning of virological surveillance in week 2023s39 (25th September), the **681** confirmed influenza cases have been swabbed by Sentinel general practitioners and pediatricians. They presented the characteristics below:

- **Median age**: 35 years (from 1 month to 89 years old);
- **Male/female sex-ratio**: 0,90 (321/356) ;
- **Vaccination**: 91% (577/632) were not vaccinated against influenza;
- **Risk factors**: 18% (97/542) had risk factors for complications;
- **Hospitalization**: one patient was hospitalized at the end of the consultation (1/502).

### Identification of influenza viruses




Cumulative influenza positivity rate by circulating influenza subtypes from ARI cases swabed by Sentinel physicians since 2023w39

Since the begining of the surveillance (2023w39), influenza viruses identified have been **predominantly type A**, with **75%** A(H1N1)pdm09, **23%** A(H3N2), **2%** unsubtyped A and **0.3%** B Victoria.

### In conclusion

Last week (2024w06), subject to future data consolidation, the incidence of influenza cases seen in general practice among patients consulting for an ARI was **slightly decreasing** compared to the previous week, but remains at a **high activity level**. This **decreasing trend is observed since two weeks. The epidemic peak may have been reached in late January (2024w04).**

Most of the influenza viruses identified are of **type A(H1N1)pdm09**.

You can find the epidemiological bulletin of Santé publique France with all the surveillance data (ambulatory and hospital) on influenza by clicking here.

Samples analysis by the respiratory viruses National Reference Laboratory (Hospices Civils de Lyon ; associated center : Institut Pasteur, Paris) and the virological laboratory of Corsica University.

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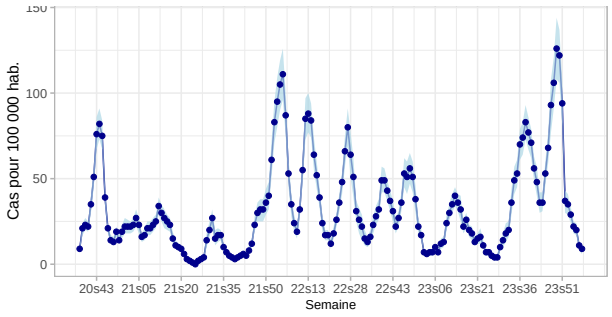
## Covid-19

### Estimated incidence of Covid-19 cases seen in general practice

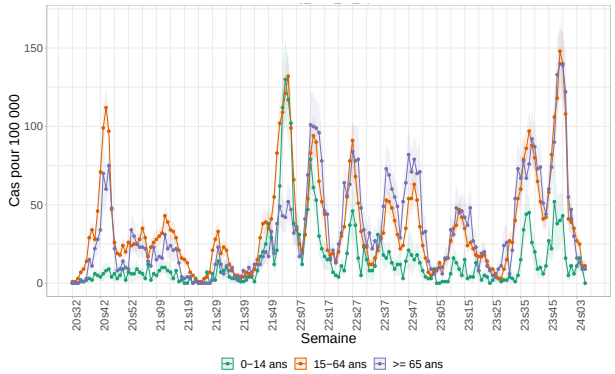



Incidence rate of Covid-19 cases with respiratory signs observed in general practice since 2020w37

Last week (2024w06), the incidence rate of **Covid-19** cases seen in general practice for acute respiratory infection was estimated at **9 cases per 100,000 population** (95% CI [6; 11]), corresponding to 5,855 [4,047; 7,663] new cases.

Subject to future data consolidation, this rate is **stable** compared to the previous week (consolidated data for 2024w05: 11 [8; 13], corresponding to 7,116 [5,520; 8,712] new cases).

### Estimated incidence of Covid-19 cases by age group




Incidence rate of Covid-19 cases presenting respiratory signs seen in general practice by age group since 2020w37

Last week ( 2024w06), the incidence rates of **Covid-19** cases seen in general practice for acute respiratory infection were estimated at:

- **0-14 years**: 0 case per 100,000 population (95% CI [0; 1]), corresponding to 48 [6; 90] new cases;
- **15-64 years**: 11 cases per 100,000 population (95% CI [7; 15]), corresponding to 4,463 [2,901; 6,025] new cases;
- **65 years and above**: 9 cases per 100,000 population (95% CI [4; 14]), corresponding to 1,217 [502; 1,932] new cases.

Subject to future data consolidation, these rates were **decreasing in children between 0-14 years** and **stable in the other age groups** compared to the previous week.

### Description of Covid-19 cases with respiratory signs

Since week 2023w39 (25th September, date of the beginning of the virological surveillance), the **615 Covid-19 confirmed cases** with an acute respiratory infection and sampled by the Sentinel general practitioners and paediatricians had the following characteristics:

- **Median age**: 49 years (range from 2 months to 99 years);
- **Male/female sex-ratio:** 0.66 (242/365);
- **Vaccination**: 21% (122/587) of cases aged 12 years and older were not vaccinated against Covid-19 (no vaccine dose received);
- **Risk factors**: 35% (199/567) had risk factors for complications;
- **Hospitalization**: 0.4% (2/534) of patients were hospitalized after the consultation.

### In conclusion

Last week (2024w06), subject to future data consolidation, the incidence of **Covid-19** cases seen in general practice among patients consulting for an ARI was **stable** compared to the previous week and was at a **low level of activity** (see graph opposite).

You can find the epidemiological bulletin of Santé publique France with all the surveillance data (ambulatory and hospital) on the Covid-19 pandemic by clicking here.

Find more information about case definitions, statistical methods and the Sentinelles network on our website

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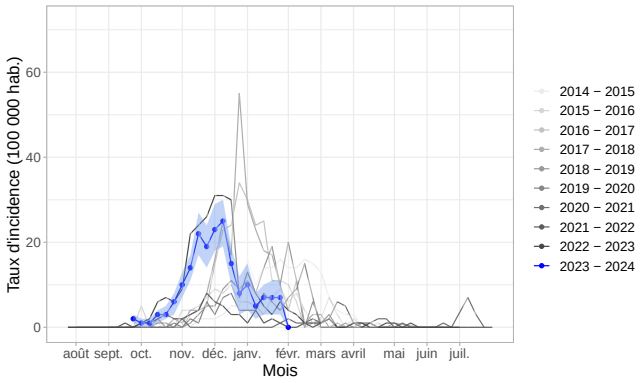
## RSV

### Estimated incidence of RSV cases in general practice



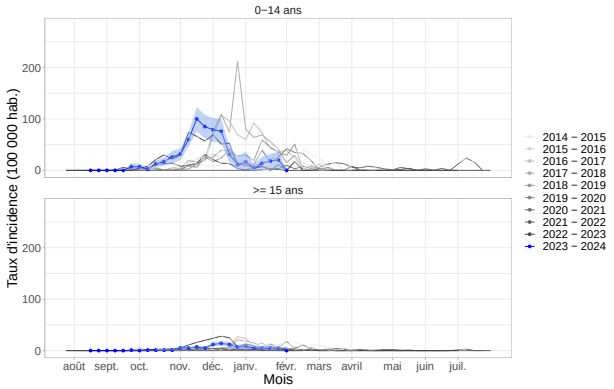

Incidence rate of RSV cases in general practice since 2023w39 (blue) compared to historical data (grey) (*)

Last week (2024w06), the incidence rate of **VRS** cases seen in general practice for acute respiratory infection was estimated at **0 cases per 100,000 population**.

Subject to future data consolidation, this rate is **decreasing** compared to the previous week (consolidated data for 2024w05: 10 [5; 15], corresponding to 6,435 [3,040 ; 9,830] new cases).

*(*) In order to compare current activity with past RSV epidemics, the incidences presented in this graph are taken from the influenza-like illness indicator. These data are estimated secondarily from the ARI indicator since 2020.*

### Estimated incidence of RSV cases by age group




Incidence rate of RSV cases in general practice since 2023w39 (blue) compared to historical data (grey)(*)

Last week (2024w06), incidence rates of **RSV** cases seen in general practice for acute respiratory were estimated at:

**- 0-14 years**: 0 cases per 100,000 population;

**- 15 years and above**: 0 cases per 100,000 population.

Subject to future data consolidation, these rates are **decreasing in both age groups** compared to the previous week.

*(*) In order to compare current activity with past RSV epidemics, the incidences presented in this graph are taken from the influenza-like illness indicator. These data are estimated secondarily from the ARI indicator since 2020.*

### Description of RSV cases

Since the beginning of virological surveillance in week 2023w39 (25th September), the **275** confirmed RSV cases swabbed by Sentinel general practitioners and pediatricians had the following characteristics:

- **Median age**: 4 years (from 1 month to 96 years);
- **Male/female sex ratio**: 0.94 (131/140);
- **Risk factors**: 20% (50/246) had risk factors for complications;
- **Hospitalization**: 0.8% (2/241) were hospitalized at the end of the consultation.

These characteristics are **similar** to those of positive RSV cases observed in past seasons in general practice (historical data : median age: 4 years; 53% women; 17% with risk factors; 0.6% hospitalized patients).

### In conclusion

Last week (2024w06), subject to future data consolidation, **no cases of RSV were identified** among patients consulting for ARI and sampled by Sentinel physicians. The incidence of RSV cases among patients consulting for ARI in general practice was **decreasing** compared to the previous week and was at a **low level of activity**.

You can find all the bronchiolitis epidemiological data (outpatient and inpatient) in the Public Health France weekly bulletin by clicking here.

Samples analysis by the respiratory viruses National Reference Laboratory (Hospices Civils de Lyon ; associated center : Institut Pasteur, Paris) and the virological laboratory of Corsica University.

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## Observed situation in general practice for the week 6 of the year 2024, from 02/05/2024 to 02/11/2024

| National incidence rates over the last 3 weeks (per 100,000 inhabitants) | **2024w06 (unconsolidated)** Incidence rate estimations [95% confidence interval] | **2024w05** Incidence rate estimations [95% confidence interval] | **2024w04** Incidence rate estimations [95% confidence interval] |
|---|---|---|---|
| Acute Respiratory Infection | 443 [417 ; 469] | 454 [431 ; 477] | 469 [446 ; 492] |
| Acute diarrhea | 97 [84 ; 110] | 100 [89 ; 111] | 106 [95 ; 117] |
| Chickenpox | 20 [14 ; 26] | 13 [9 ; 17] | 14 [10 ; 18] |

| Regional incidence rates for the week 2024w06 (per 100,000 inhabitants) | **Acute Respiratory Infection** Incidence rate estimations [95% confidence interval] | **Acute diarrhea** Incidence rate estimations [95% confidence interval] | **Chickenpox** Incidence rate estimations [95% confidence interval] |
|---|---|---|---|
| Auvergne-Rhône-Alpes | 463 [389 ; 537] | 69 [44 ; 94] | 10 [0 ; 21] |
| Bourgogne-Franche-Comté | 473 [340 ; 606] | 101 [40 ; 162] | 6 [0 ; 21] |
| Bretagne | 405 [314 ; 496] | 117 [70 ; 164] | 28 [9 ; 47] |
| Centre-Val de Loire | 379 [284 ; 474] | 100 [52 ; 148] | 7 [0 ; 21] |
| Corse | 347 [201 ; 493] | 64 [13 ; 115] | 0 [0 ; 0] |
| Grand Est | 493 [383 ; 603] | 128 [80 ; 176] | 11 [0 ; 23] |
| Hauts-de-France | 413 [326 ; 500] | 136 [88 ; 184] | 20 [0 ; 40] |
| Ile-de-France | 336 [291 ; 381] | 72 [52 ; 92] | 14 [5 ; 23] |
| Normandie | 140 [88 ; 192] | 32 [2 ; 62] | 0 [0 ; 0] |
| Nouvelle-Aquitaine | 688 [586 ; 790] | 126 [82 ; 170] | 8 [0 ; 19] |
| Occitanie | 384 [299 ; 469] | 68 [35 ; 101] | 56 [21 ; 91] |
| Pays de la Loire | 471 [352 ; 590] | 72 [30 ; 114] | 20 [1 ; 39] |
| Provence-Alpes-Côte d'Azur | 204 [119 ; 289] | 44 [4 ; 84] | 58 [4 ; 112] |

## French Sentinel network


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*Since 1984, the "réseau Sentinelles" or Sentinelles network has been a research and health monitoring network in primary care (general medicine and paediatrics) in metropolitan France. The participation of physicians is voluntary. Currently, 590 physicians participate in the continuous surveillance activity (543 general practitioners and 47 paediatricians), allowing the production of weekly epidemiological reports.*

**Heads of Sentinel Network :** Olivier Steichen, Thierry Blanchon
**Publication :** Yves Dorléans
**Information system & biostatistics :** Clément Turbelin
**Monitoring manager :** Marion Debin, Caroline Guerrisi

| Regional branches | Heads |
|---|---|
| Auvergne-Rhône-Alpes, Bourgogne-Franche-Comté | Marianne Sarazin |
| Centre-Val de Loire, Pays de la Loire | Thierry Prazuck |
| Corse | Alessandra Falchi |
| PACA | David Darmon |
| Grand Est | Daouda Niaré |
| Ile-de-France, Hauts-de-France | Mathilde François |
| Bretagne, Normandie | Marie Pouquet |
| Nouvelle-Aquitaine, Occitanie | Maryse Lapeyre-Mestre |

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