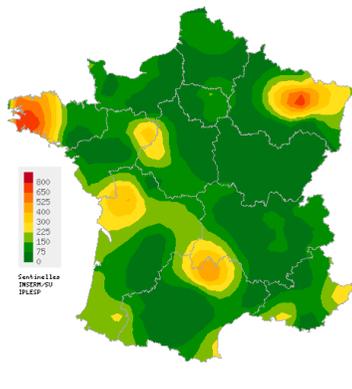


Observed situation in general practice for the week 16 of the year 2024, from 04/15/2024 to 04/21/2024

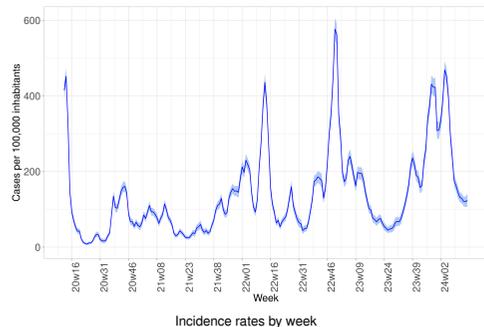
### Acute Respiratory Infection (ARI)

Covid-19, Influenza and other respiratory viruses

Low activity in general practice



Spatial interpolation map of incidence rates at department level



Incidence rates by week

In mainland France, last week (2024w16), the incidence rate of ARI cases consulting in general practice was estimated at **124 cases per 100,000 population (95% CI [107; 141])**.

Subject to future consolidation of data, this rate is **stable** compared to the previous week (consolidated data for 2024w15: 120 [106; 134]).

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

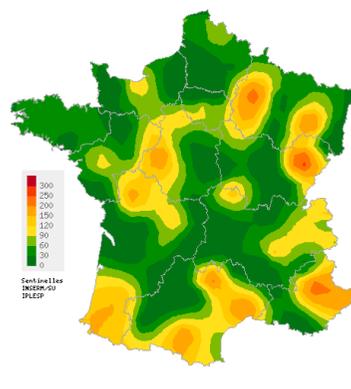
ARI are caused by a variety of respiratory viruses including SARS-CoV-2 (Covid-19), influenza viruses, and other respiratory viruses such as RSV, rhinovirus and metapneumovirus. The purpose of ARI surveillance is to monitor outbreaks of these virus.

- Additional IRA data: page 2

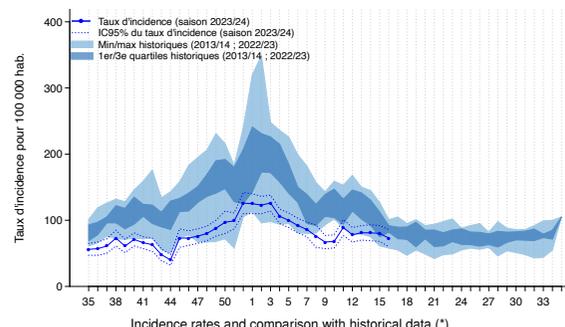
- Complete national and regional data: page 3

### Acute diarrhea

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 (2024w16), the incidence rate of acute diarrhea cases seen in general practice was estimated at **73 cases per 100,000 population (95% CI [60; 86])**.

Subject to future consolidation of data, this rate is **stable** compared to the previous week (consolidated data for 2024w15: 80 [68; 92]) and corresponds to a **low activity level** compared to those usually observed at this time of the year.

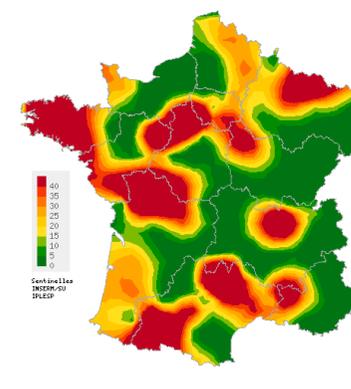
Complete national and regional data are available on the last page of this bulletin.

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

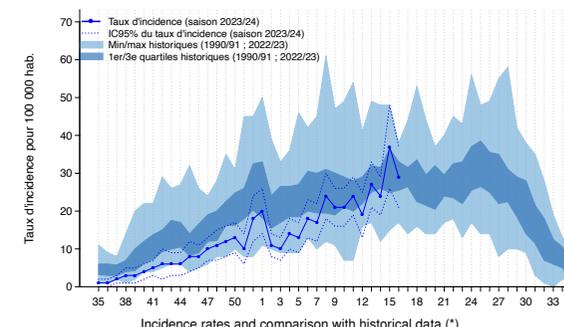
(\*) Incidences of acute diarrhea were greatly reduced march 2020 and august 2021 by containment and sanitary measures to control the Covid-19 pandemic. They are not included in historical comparisons.

### Chickenpox

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 (2024w16), the incidence rate of Chickenpox cases seen in general practice was estimated at **29 cases per 100,000 population (95% CI [21; 37])**.

Subject to future consolidation of data, this rate is **decreasing** compared to the previous week (consolidated data for 2024w15: 37 [26; 48]) and corresponds to a **similar activity level** than 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.

Observed situation in general practice for the week 16 of the year 2024, from 04/15/2024 to 04/21/2024

## 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**.

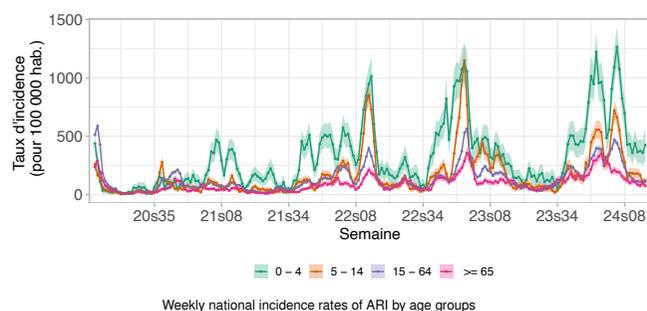
In order to carry out this ARI surveillance, Sentinelles general practitioners have been reporting the number of cases of ARI seen in consultation (or teleconsultation), according to the following case definition: **sudden onset of fever (or feeling of fever) and respiratory signs**.

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

Additional **virological surveillance** is also carried out between October and April by Sentinel general practitioners and pediatricians (and also from the [University department of general practice of Rouen](#)). Each week, a sample of patients consulting for an ARI is taken, in order to identify various respiratory viruses and monitor their circulation.

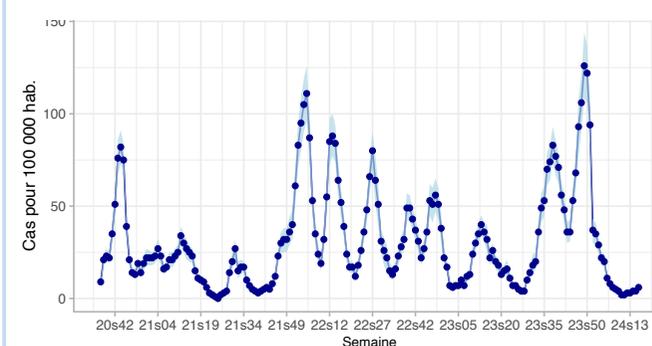
From this clinical and virological information, it is possible to estimate the number of cases of **Covid-19 among ARI cases seen in general practice consultations**, among others.

### ARI incidence rates by age groups



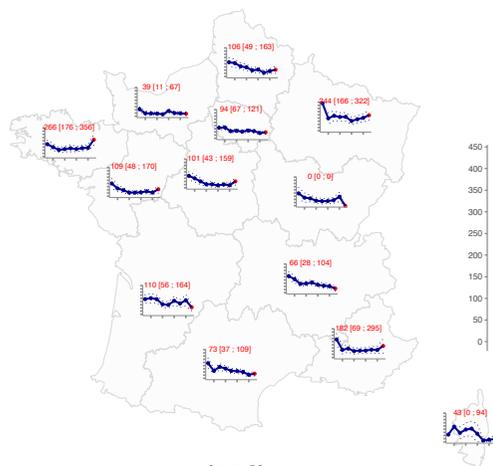
Last week (2024w16), subject to future data consolidation, incidence rate was **stable** in all age groups compared to the one of the previous week. It remained at a moderate level of activity in the 0-4 age group.

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



In week 2024w16, the incidence rate of Covid-19 cases seen in general consultations for ARI has been estimated at **6 cases per 100,000 inhabitants** (IC95% [3; 9]), representing 3,972 [2,167; 5,777] new cases, and was **stable** in all age groups.

### ARI incidence rates by regions



Weekly ARI incidence rates by regions over the last nine weeks

### Description of IRA cases seen in general practice

Last week (2024w16), 266 cases of ARI were reported by Sentinelles general practitioners. Of these, 220 (83% of reported cases) were described and had the following characteristics:

- **Median age:** 34 years (range from 1 month to 94 years);
- **Male/female sex-ratio:** 0.8 (92/115);
- **Risk factors:** 14% (29/172) had risk factors for complications;
- **Hospitalization:** 1% (95% CI [0; 2.3]) of patients were hospitalized after the consultation (2/200).

### In conclusion

Last week (2024w16), subject to future data consolidation :

- the incidence of **ARI** cases seen in general practice was **stable** in all age groups and regions compared to the previous week (*see opposite graphs*).
- the incidence of **Covid-19** cases seen in general practice for an ARI was **stable** in all age groups compared to the previous week and was at a **low level of activity**.

Observed situation in general practice for the week 16 of the year 2024, from 04/15/2024 to 04/21/2024

National incidence rates over the last 3 weeks (per 100,000 inhabitants)	2024w16 (unconsolidated)	2024w15	2024w14
	Incidence rate estimations [95% confidence interval]	Incidence rate estimations [95% confidence interval]	Incidence rate estimations [95% confidence interval]
Acute Respiratory Infection	124 [107 ; 141]	120 [106 ; 134]	121 [108 ; 134]
Acute diarrhea	73 [60 ; 86]	80 [68 ; 92]	81 [69 ; 93]
Chickenpox	29 [21 ; 37]	37 [26 ; 48]	24 [19 ; 29]

Regional incidence rates for the week 2024w16 (per 100,000 inhabitants)	Acute Respiratory Infection	Acute diarrhea	Chickenpox
	Incidence rate estimations [95% confidence interval]	Incidence rate estimations [95% confidence interval]	Incidence rate estimations [95% confidence interval]
Auvergne-Rhône-Alpes	66 [28 ; 104]	57 [24 ; 90]	28 [4 ; 52]
Bourgogne-Franche-Comté	0 [0 ; 0]	84 [0 ; 259]	7 [0 ; 21]
Bretagne	266 [176 ; 356]	39 [7 ; 71]	43 [12 ; 74]
Centre-Val de Loire	101 [43 ; 159]	90 [27 ; 153]	24 [0 ; 66]
Corse	43 [0 ; 94]	44 [0 ; 96]	0 [0 ; 0]
Grand Est	244 [166 ; 322]	81 [40 ; 122]	23 [3 ; 43]
Hauts-de-France	106 [49 ; 163]	54 [23 ; 85]	23 [3 ; 43]
Ile-de-France	94 [67 ; 121]	38 [20 ; 56]	16 [6 ; 26]
Normandie	39 [11 ; 67]	35 [9 ; 61]	4 [0 ; 14]
Nouvelle-Aquitaine	110 [56 ; 164]	61 [20 ; 102]	28 [1 ; 55]
Occitanie	73 [37 ; 109]	85 [40 ; 130]	40 [13 ; 67]
Pays de la Loire	109 [48 ; 170]	72 [24 ; 120]	34 [1 ; 67]
Provence-Alpes-Côte d'Azur	182 [69 ; 295]	48 [16 ; 80]	10 [0 ; 32]

## 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, 586 physicians participate in the continuous surveillance activity (545 general practitioners and 41 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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