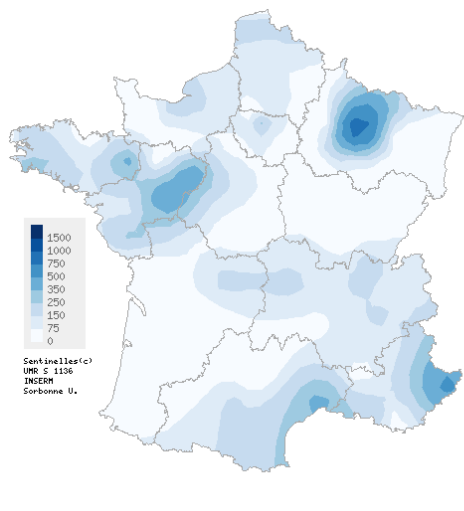


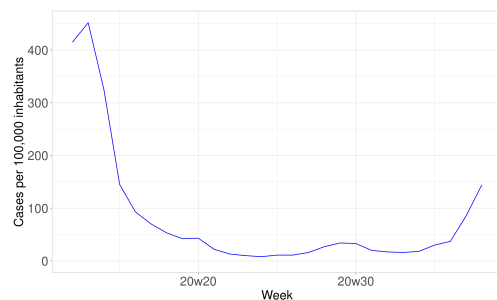
Observed situation for the week 38 of the year 2020, from 09/14/2020 to 09/20/2020

Acute Respiratory Infection (ARI)

Increasing activity in general practice



Spatial interpolation map of incidence rates at department level



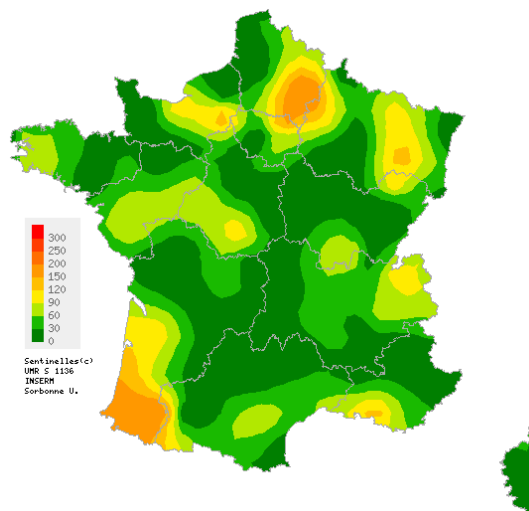
Incidence rates by week

In metropolitan France, last week (2020w38), the incidence rate of ARI consulting (or teleconsulting) in general practice was estimated at 144 cases per 100,000 inhabitants (95% CI [128 ; 160]). This estimate is increasing compared to week 2020w37 (consolidated data : 85 [75 ; 95]).

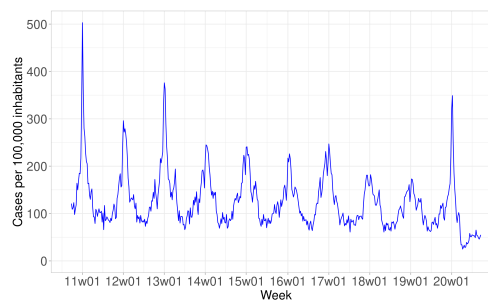
Complete national and regional data are available on the last page of this bulletin.

Acute diarrhea

Low activity in general practice



Spatial interpolation map of incidence rates at department level



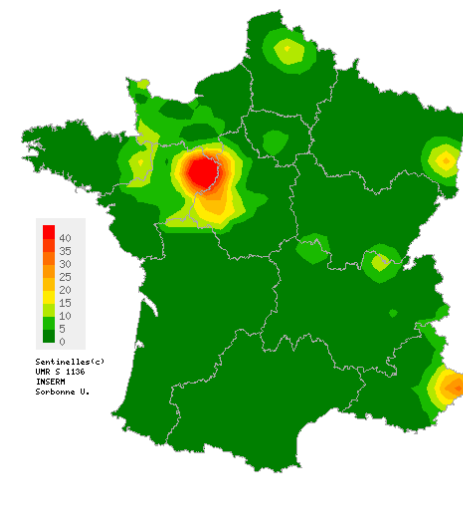
Incidence rates by week

In metropolitan France, last week (2020w38), the incidence rate of acute diarrhea seen in general practice was estimated at 55 cases per 100,000 inhabitants (95% CI [45 ; 65]). This estimate is stable compared to week 2020w37 (consolidated data : 50 [42 ; 58]).

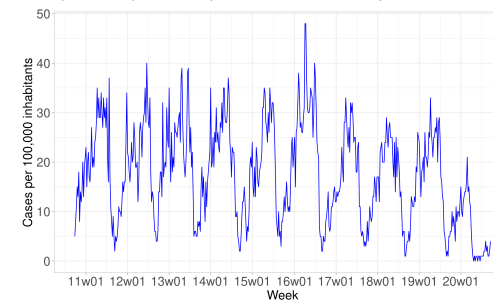
Complete national and regional data are available on the last page of this bulletin.

Chickenpox

Low activity in general practice



Spatial interpolation map of incidence rates at department level



Incidence rates by week

In metropolitan France, last week (2020w38), the incidence rate of Chickenpox seen in general practice was estimated at 4 cases per 100,000 inhabitants (95% CI [1 ; 7]). This estimate is stable compared to week 2020w37 (consolidated data : 2 [0 ; 4]).

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

Observed situation for the week 38 of the year 2020, from 09/14/2020 to 09/20/2020

Acute Respiratory Infection (ARI) - Additional Clinical and Virological Data

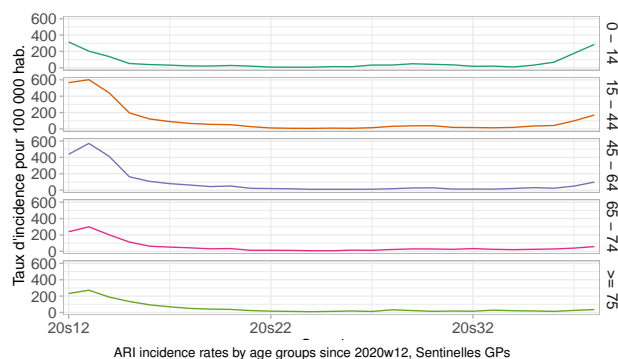
Information about the monitoring of respiratory infections

Since March 17th 2020, the surveillance of respiratory infections has been extended from the syndromic and virological monitoring of "influenza-like illness" to that of "acute respiratory infections (ARI)". This new indicator allows the joint monitoring of seasonal respiratory viruses (influenza, RSV, rhinovirus, metapneumovirus) and SARS-CoV-2 (COVID-19).

Sentinelles GPs report the number of ARI patients seen in consultation (or teleconsultation), according to the following definition : sudden onset of fever (or feeling of fever), and respiratory signs. Virological surveillance is conducted by a sample of Sentinel GPs and paediatricians, in complement to the ARI syndromic surveillance.

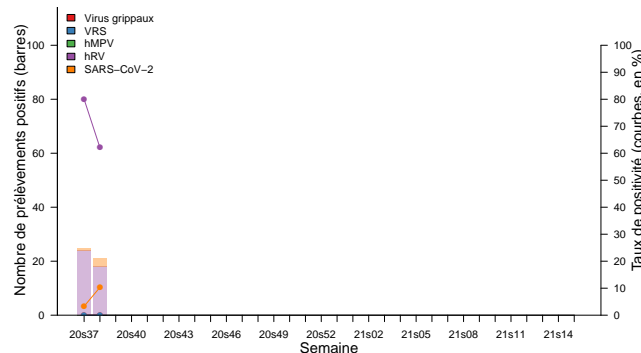
This surveillance is implemented in collaboration with Santé Publique France, the National Reference Center (CNR) for respiratory infections (including influenza) (Pasteur Institute, Paris; Associated Center : Hospices Civils de Lyon), and the virology laboratory of the University of Corsica.

ARI incidence rates by age groups Increasing activity



In week 2020w38, incidence rates are increasing in all age groups, and particularly among the 0-14, 15-44 and 45-64 age groups.

ARI virological surveillance Major circulation of the rhinovirus



Positive swabs and positivity rate of the tested respiratory viruses among ARI cases swabbed by Sentinelles physicians (GPs and pediatricians) since week 2020s37

Since week 2020w37, among the ARI cases seen in consultation, 59 patients have had a nasopharyngeal swab tested for the following respiratory viruses : SARS-CoV-2 (COVID-19), influenza viruses, rhinoviruses (hRV), respiratory syncytial virus (RSV) and metapneumovirus (hMPV). Of these, 42 (71.2%) were positive for rhinovirus, 4 (6.8%) were positive for SARS-CoV-2 (COVID-19) and none was positive for influenza viruses.

In week 2020w38, 29 patients had a nasopharyngeal swab tested for the various respiratory viruses.

Of these :

- 18 (62.1%) were positive for hRV (consolidated data in 2020w37 : n=24 (80.0%)).
- 3 (10.3%) were positive for SARS-CoV-2 (COVID-19) (consolidated data in 2020w37 : n=1 (3.3%)).
- None of them were positive for an influenza virus.

No viral co-infection has been observed.

Description of COVID-19 confirmed cases seen in primary care

Since week 2020w37, the 4 positive cases for SARS-CoV-2 (COVID-19) seen by the Sentinelles physicians (GPs and paediatricians) had the following characteristics :

- Their median age was 48 years (from 27 years to 72 years). There were 2 men and 2 women.
- None of them had risk factors for complications.
- No hospitalization was requested at the end of the consultation.

Estimated incidence of COVID-19 cases seen in general practice

In week 2020w38, the incidence rate of ARI cases due to SARS-CoV-2 (COVID-19) seen in general practice consultations was estimated at 31 cases per 100,000 inhabitants (95% CI [12 ; 50]), which represents 20,636 [8,045 ; 33,227] new cases of COVID-19 having consulted a general practitioner.

These initial estimates need to be read with caution and will need to be consolidated in the coming weeks.

Observed situation for the week 38 of the year 2020, from 09/14/2020 to 09/20/2020

National incidence rates over the last 3 weeks (per 100,000 inhabitants)	2020w38 (unconsolidated) Incidence rate estimations [95% confidence interval]	2020w37 Incidence rate estimations [95% confidence interval]	2020w36 Incidence rate estimations [95% confidence interval]
Acute Respiratory Infection	144 [128 ; 160]	85 [75 ; 95]	37 [31 ; 43]
Acute diarrhea	55 [45 ; 65]	50 [42 ; 58]	46 [39 ; 53]
Chickenpox	4 [1 ; 7]	2 [0 ; 4]	1 [0 ; 2]

Regional incidence rates for the week 2020w38 (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	144 [98 ; 190]	48 [17 ; 79]	4 [0 ; 9]
Bourgogne-Franche-Comté	29 [0 ; 74]	37 [0 ; 79]	0 [0 ; 0]
Bretagne	231 [156 ; 306]	38 [9 ; 67]	6 [0 ; 19]
Centre-Val de Loire	91 [50 ; 132]	45 [15 ; 75]	7 [0 ; 18]
Corse	49 [0 ; 100]	28 [0 ; 64]	0 [0 ; 0]
Grand Est	123 [54 ; 192]	64 [31 ; 97]	4 [0 ; 13]
Hauts-de-France	146 [94 ; 198]	70 [32 ; 108]	7 [0 ; 21]
Ile-de-France	164 [106 ; 222]	48 [14 ; 82]	3 [0 ; 8]
Normandie	113 [24 ; 202]	56 [24 ; 88]	0 [0 ; 0]
Nouvelle-Aquitaine	42 [15 ; 69]	65 [30 ; 100]	0 [0 ; 0]
Occitanie	164 [114 ; 214]	33 [10 ; 56]	0 [0 ; 0]
Pays de la Loire	274 [186 ; 362]	69 [30 ; 108]	15 [0 ; 39]
Provence-Alpes-Côte d'Azur	219 [123 ; 315]	73 [6 ; 140]	10 [0 ; 25]

French Sentinel network

Pierre Louis Institute of Epidemiology and Public Health

UMR-S 1136 (Inserm - Sorbonne Université)

Phone : +33 144 738 435 | E-mail : sentinelles@upmc.fr

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, 752 physicians participate in the continuous surveillance activity (677 general practitioners and 75 paediatricians), allowing the production of weekly epidemiological reports.

Heads of Sentinel Network : Thomas Hanslik, Thierry Blanchon

Publication : Yves Dorléans

Information systems & biostatistics : Corentin Hervé, Titouan Launay, Cécile Souty, Clément Turbelin, Ana Vilcu

Monitoring manager : Louise Rossignol, Caroline Guerrisi

Regional branch	Heads & Epidemiologists/Animators
Auvergne-Rhône-Alpes, Bourgogne-Franche-Comté	Marianne Sarazin Caroline Liotard
Centre-Val de Loire, Pays de la Loire, Bretagne	Thierry Prazuck Charly Kengne-Kuetche, Marie Pouquet
Corse, PACA	Alessandra Falchi Shirley Masse, Natacha Villechenaud
Grand Est	Daouda Niaré
Ile-de-France, Hauts-de-France	Mathilde François Camille Bonnet, Jennifer Morice
Nouvelle-Aquitaine, Occitanie	Marion Debin

Need more information ?

Visit our website :

<https://www.sentiweb.fr/>

You are a french GP ?

Contact us

<https://www.sentiweb.fr/france/fr/inscrire>

Envie de participer à la veille sanitaire ?

covidnet.fr

Devenez acteur de la surveillance du Covid-19 !

Pas besoin d'être malade pour participer !

Inscrivez-vous sur <https://www.covidnet.fr/>