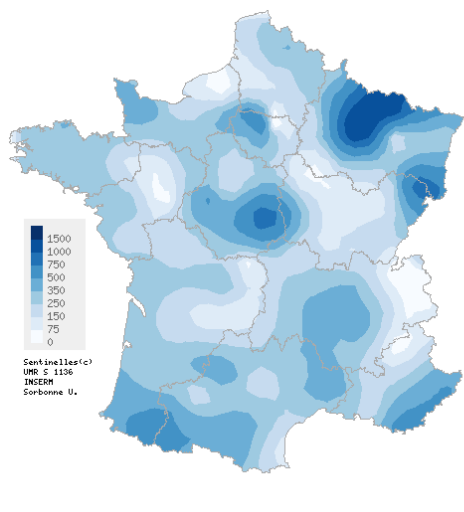


Weekly report on 04/09/2020, 2020w14 (from 03/30/2020 to 04/05/2020)

Acute Respiratory Infection COVID-19 surveillance



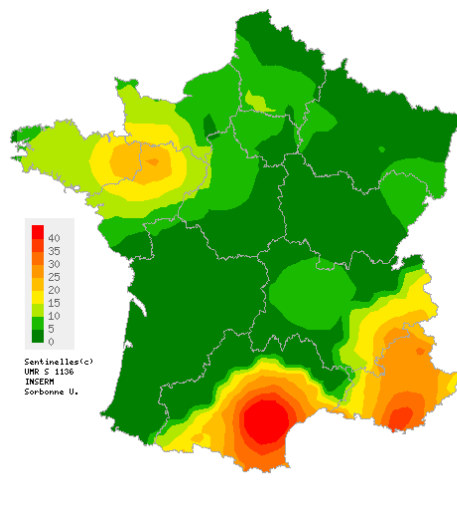
Spatial interpolation map of departmental incidence rates

The blue color gradient used above was chosen to be colorblind-friendly, unlike the usual green-red gradient. As these are the first weeks of monitoring for this new indicator, the scale could be reviewed in the coming weeks.

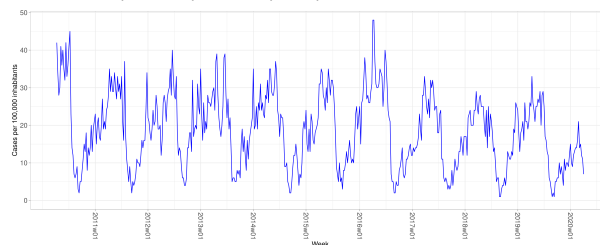
In metropolitan France, last week (2020w14), the incidence rate of ARI consulting (or teleconsulting) in general practice was estimated at 355 cases per 100,000 inhabitants (95% CI [333 ; 377]), decreasing compared to week 2020w13 (452 [430 ; 474]).

At the regional level, the highest incidence rates were noted in : Ile-de-France (538 [457 ; 619]), Grand Est (530 [437 ; 623]) and Centre-Val-de-Loire (420 [333 ; 507]). *Complete regional data are available on the last page of this bulletin.*

Chickenpox Low activity in general practice



Spatial interpolation map of departmental incidence rates

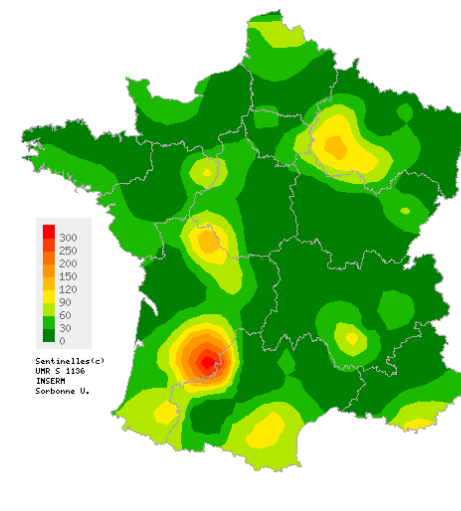


Incidence rates by week

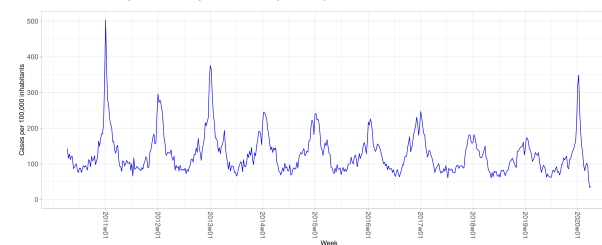
In metropolitan France, last week (2020w14), the incidence rate of Chickenpox seen in general practice was estimated at 7 cases per 100,000 inhabitants (95% CI [4 ; 10]).

At the regional level, the highest incidence rates were observed in : Provence-Alpes-Côte d'Azur (25 [0 ; 68]), Bretagne (21 [0 ; 48]), Occitanie (14 [0 ; 33]).

Acute diarrhea Low activity in general practice



Spatial interpolation map of departmental incidence rates



Incidence rates by week

In metropolitan France, last week (2020w14), the incidence rate of acute diarrhea seen in general practice was estimated at 37 cases per 100,000 inhabitants (95% CI [30 ; 44]).

At the regional level, the highest incidence rates were noted in : Nouvelle-Aquitaine (78 [43 ; 113]), Hauts-de-France (52 [24 ; 80]) and Corse (51 [11 ; 91]).

Weekly report on 04/09/2020, 2020w14 (from 03/30/2020 to 04/05/2020)

Acute Respiratory Infection (ARI) - COVID-19 Monitoring

Information about COVID-19 surveillance

In collaboration with Public Health France, the National Reference Centre for Respiratory Infections, and the University of Corsica, the Sentinel surveillance of respiratory infections has been adapted to the specific monitoring of COVID-19.

Since March 17th, Sentinel physicians have been monitoring the number of cases of acute respiratory infection (ARI) seen in consultation (or teleconsultation), according to the following case definition : sudden onset of fever (or feeling of fever), and respiratory signs (such as coughing, shortness of breath or a feeling of tightness in the chest).

This bulletin presents data from the third week of ARI surveillance in ambulatory care (general practice and pediatrics). These initial figures need to be read with caution and will need to be consolidated in the coming weeks.

ARI incidence rates by age groups and cases description

In week 2020w14, the age-specific incidence rates of ARI cases seen in general practice (consultations or teleconsultations) were estimated at :

- 148 cases per 100,000 inhabitants (95% CI [115 ; 181]) in the 0-14
- 478 [436 ; 520] in the 15-44
- 456 [408 ; 504] in the 45-64
- 219 [167 ; 271] in the 65-74
- 209 [155 ; 263] in those aged 75 years or older

Incidence rates are slightly decreasing in all age groups compared to the previous week.

In week 2020w14, 39.0% of ARI cases reported by the Sentinelles GPs were seen by teleconsultation. This figure is slightly lower compared to week 2020w13 (41.3%).

In week 2020w14, hospitalisation rates following a consultation by Sentinelles GPs is decreasing compared to week 2020w13 (3.3% [2.2 ; 4.4] vs 4.4% [3.4 ; 5.3]).

IRA virological surveillance

Since the week 2020w12, the starting date of ARI surveillance by Sentinel physicians (general practitioners and paediatricians), 295 patients consulting for an ARI had a nasopharyngeal swab tested for the SARS-CoV-2 (COVID-19). Of these samples, 51 (17.3%) were positive for the coronavirus SARS-CoV-2 (COVID-19).

On week 2020w14, among the ARI cases seen in consultations, 29 patients had a nasopharyngeal swab tested for the SARS-CoV-2 (COVID-19). Of these, 4 (13.8%) were positive for the coronavirus SARS-CoV-2 (COVID-19). This rate was decreasing compared to 2020w13 (20.7%, 25/121).

Influenza viruses were also searched in these 29 samples tested for week 2020w14. Among them, none were positive for an influenza virus.

No SARS-CoV-2/influenza viruses co-infection was observed.

Description of COVID-19 confirmed cases seen in primary care

Since the start of ARI surveillance in week 2020w12, the 51 positive cases for SARS-CoV-2 (COVID-19) seen by Sentinelles physicians (GPs and paediatricians) had the following characteristics :

- These cases were diagnosed in all region except Bretagne and Occitanie.
- Their median age was 54 years (minimum = 1 year and maximum = 87 years). There were 26 women and 25 men.
- 21/47 (44.7%) of them had risk factors for complications.
- No hospitalization was requested at the end of the consultation for the 47 cases for whom this information was available.
- The most frequently reported clinical signs at the time of consultation were cough (n=48), fever (n=40) and myalgia (n=37).

Estimated incidence of COVID-19 cases seen in general practice

In metropolitan France, last week (2020w14), the incidence rate of ARI cases due to SARS-CoV-2 (COVID-19) seen in general practice consultations was estimated at 55 cases per 100,000 inhabitants (95% CI [23 ; 87]), which represents 36 305 new cases of COVID-19 (95% CI [15 196 ; 57 414]) having consulted a general practitioner.

Estimated incidences for week 2020w13 were consolidated slightly higher, with 94,810 new cases of COVID-19 seen by a general practitioner (95% CI [67,578 ; 122,042]). Those in week 2020s12 were consolidated with a slight increase as well, with 53,029 new cases of COVID-19 having consulted a GP (95% CI [36,766 ; 69,292]).

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

Additional information

An epidemiological bulletin published by Public Health France includes all the surveillance data (ambulatory and hospital) concerning the COVID-19 epidemic. [Find this bulletin by following this link.](#)

You can find more general information :
[on the dedicated governmental website.](#)

Weekly report on 04/09/2020, 2020w14 (from 03/30/2020 to 04/05/2020)

National incidence rates over the last 3 weeks (per 100,000 inhabitants)	2020w14 (unconsolidated) Incidence rate estimations [95% confidence interval]	2020w13 Incidence rate estimations [95% confidence interval]	2020w12 Incidence rate estimations [95% confidence interval]
Acute diarrhea	37 [30 ; 44]	34 [28 ; 40]	53 [45 ; 61]
Chickenpox	7 [4 ; 10]	11 [8 ; 14]	12 [8 ; 16]
Acute Respiratory Infection	355 [333 ; 377]	452 [430 ; 474]	415 [394 ; 436]

Regional incidence rates for the week 2020w14 (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	277 [229 ; 325]	29 [14 ; 44]	6 [0 ; 13]
Bourgogne-Franche-Comté	166 [103 ; 229]	18 [0 ; 50]	2 [0 ; 8]
Bretagne	258 [197 ; 319]	22 [6 ; 38]	22 [0 ; 48]
Centre-Val de Loire	420 [333 ; 507]	26 [10 ; 42]	7 [0 ; 14]
Corse	249 [158 ; 340]	51 [11 ; 91]	0 [0 ; 0]
Grand Est	530 [437 ; 623]	38 [17 ; 59]	3 [0 ; 8]
Hauts-de-France	295 [225 ; 365]	52 [24 ; 80]	8 [0 ; 17]
Ile-de-France	538 [457 ; 619]	30 [13 ; 47]	6 [0 ; 14]
Normandie	235 [167 ; 303]	18 [2 ; 34]	3 [0 ; 10]
Nouvelle-Aquitaine	253 [193 ; 313]	78 [43 ; 113]	1 [0 ; 4]
Occitanie	285 [215 ; 355]	28 [5 ; 51]	14 [0 ; 33]
Pays de la Loire	202 [143 ; 261]	31 [3 ; 59]	9 [0 ; 21]
Provence-Alpes-Côte d'Azur	334 [211 ; 457]	44 [0 ; 94]	25 [0 ; 68]

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, 701 physicians participate in the continuous surveillance activity (622 general practitioners and 79 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

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