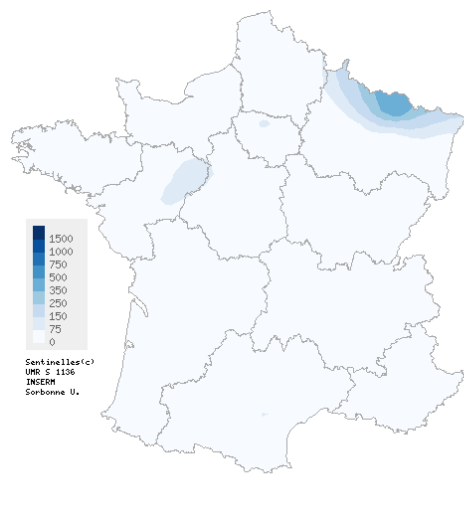
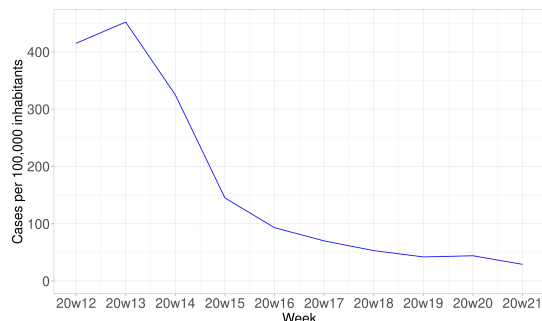


Observed situation for the week 21 of the year 2020, from 05/18/2020 to 05/24/2020

Acute Respiratory Infection COVID-19 Monitoring



Spatial interpolation map of incidence rates at department level

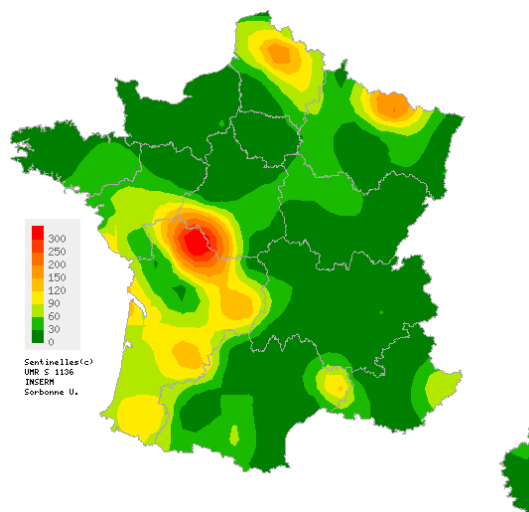


Incidence rates by week

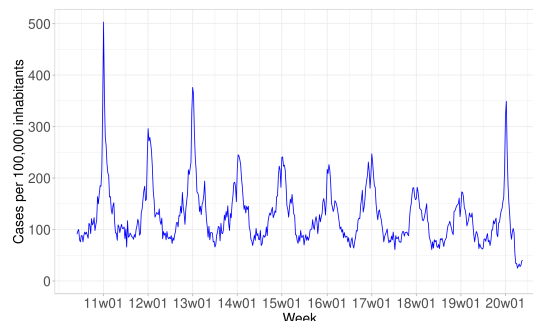
In metropolitan France, last week (2020w21), the incidence rate of ARI consulting (or teleconsulting) in general practice was estimated at 29 cases per 100,000 inhabitants (95% CI [22 ; 36]), decreasing compared to week 2020w20 (consolidated data : 44 [37 ; 51]).

Complete 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

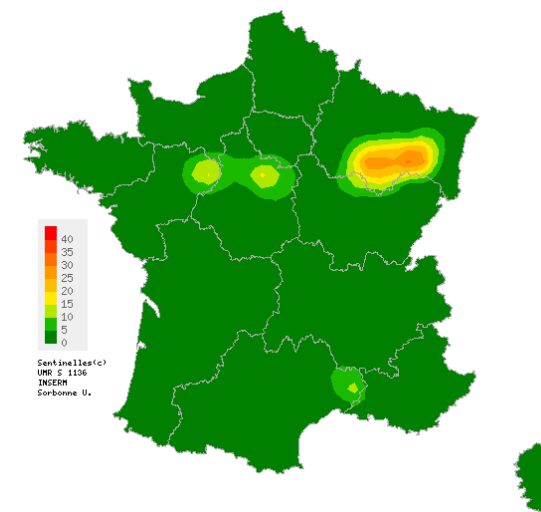


Incidence rates by week

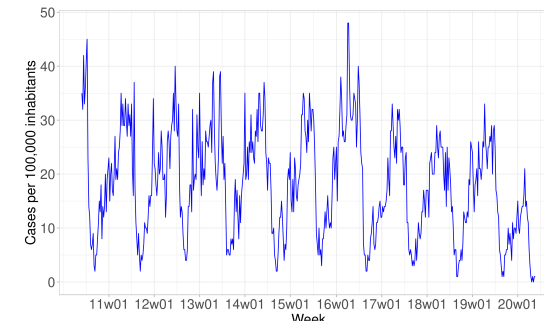
In metropolitan France, last week (2020w21), the incidence rate of acute diarrhea seen in general practice was estimated at 40 cases per 100,000 inhabitants (95% CI [31 ; 49]).

Complete 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

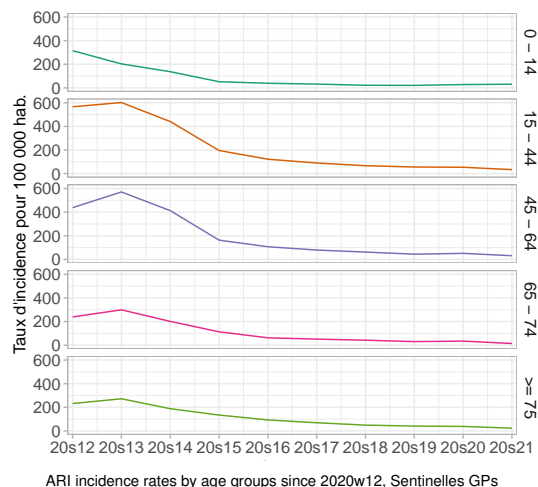
In metropolitan France, last week (2020w21), the incidence rate of Chickenpox seen in general practice was estimated at 1 case per 100,000 inhabitants (95% CI [0 ; 2]).

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

Observed situation for the week 21 of the year 2020, from 05/18/2020 to 05/24/2020

Acute Respiratory Infection (ARI) - COVID-19 Monitoring - Additional information

Description of ARI cases observed in general practice



In week 2020w21 :

- The median age of ARI cases reported by Sentinelles GPs was 38 years (from 1 year to 89 years) and males accounted for 44.8% of cases.
- Incidence rates remain stable in all age groups.
- 13.8% of ARI consultations were carried out by teleconsultation (18.6% in week 2020s20).
- Hospitalisation request following a consultation was 4.6% [0.0 ; 9.9] (compared to 3.6% [0.7 ; 6.5] in week 2020s20).

Discontinuation of ARI virological surveillance by the Sentinel Network

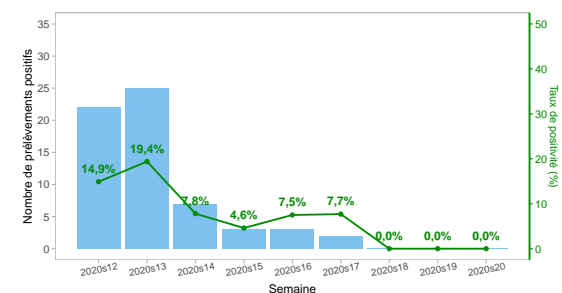
Since the start of deconfinement on May 11th, primary care physicians (general practitioners and pediatricians) have been asked to prescribe RT-PCR for SARS-CoV-2 for all suspected cases of COVID-19, including ARI cases.

In this context, virological surveillance of ARI cases carried out by Sentinel physicians was suspended at the end of week 2020s20 to avoid performing nasopharyngeal swabbing (an unpleasant gesture) twice in these patients.

This means that we are no longer able to provide estimates of the weekly incidence of ARI cases due to SARS-CoV-2 (COVID-19) seen in general practice.

A summary of the ARI virological surveillance carried out between weeks 2020s12 and 2020s20 is presented in the next column.

Review of the ARI virological surveillance



Positive swabs and positivity rate for SARS-CoV-2 (COVID-19) among ARI cases swabbed by Sentinelles physicians (GPs and pediatricians) since week 2020s12

Since week 2020s12 and until the end of week 2020s20, Sentinel physicians (GPs and paediatricians) have been involved in the ARI virological surveillance. During these nine weeks of surveillance, 590 patients presenting for ARI had a nasopharyngeal swab tested for SARS-CoV-2 (COVID-19). Of these specimens, 62 (10.5%) were positive for SARS-CoV-2.

Changes in weekly SARS-CoV-2 positivity rates among ARI cases seen in primary care consultations (general medicine and pediatrics) are shown in the figure above.

Influenza viruses were also detected in 586/590 samples taken by Sentinel physicians between weeks 2020s12 and 2020s20. Of these, 36 (6.1%) were positive for an influenza virus, distributed as follows :

- 14 (2.4%) were positive for influenza A virus
- 22 (3.7%) for an influenza virus of lineage B

These influenza viruses were mainly found at the beginning of the virological surveillance period (weeks 2020s12 and 2020s13).

No SARS-CoV-2/influenza virus co-infection was observed over the entire period.

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

Observed situation for the week 21 of the year 2020, from 05/18/2020 to 05/24/2020

National incidence rates over the last 3 weeks (per 100,000 inhabitants)	2020w21 (unconsolidated) Incidence rate estimations [95% confidence interval]	2020w20 Incidence rate estimations [95% confidence interval]	2020w19 Incidence rate estimations [95% confidence interval]
Acute Respiratory Infection	29 [22 ; 36]	44 [37 ; 51]	42 [35 ; 49]
Acute diarrhea	40 [31 ; 49]	39 [32 ; 46]	30 [24 ; 36]
Chickenpox	1 [0 ; 2]	1 [0 ; 2]	0 [0 ; 1]

Regional incidence rates for the week 2020w21 (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	31 [8 ; 54]	14 [1 ; 27]	1 [0 ; 6]
Bourgogne-Franche-Comté	16 [0 ; 67]	15 [0 ; 40]	0 [0 ; 0]
Bretagne	26 [5 ; 47]	34 [10 ; 58]	0 [0 ; 0]
Centre-Val de Loire	25 [3 ; 47]	21 [1 ; 41]	4 [0 ; 14]
Corse	17 [0 ; 57]	35 [0 ; 79]	0 [0 ; 0]
Grand Est	113 [44 ; 182]	67 [18 ; 116]	4 [0 ; 8]
Hauts-de-France	13 [0 ; 30]	97 [11 ; 183]	0 [0 ; 0]
Ile-de-France	39 [3 ; 75]	7 [0 ; 15]	0 [0 ; 0]
Normandie	17 [1 ; 33]	11 [0 ; 25]	0 [0 ; 0]
Nouvelle-Aquitaine	27 [5 ; 49]	122 [64 ; 180]	0 [0 ; 0]
Occitanie	19 [0 ; 40]	43 [12 ; 74]	2 [0 ; 10]
Pays de la Loire	69 [17 ; 121]	52 [10 ; 94]	3 [0 ; 13]
Provence-Alpes-Côte d'Azur	20 [0 ; 47]	31 [0 ; 69]	0 [0 ; 0]

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, 737 physicians participate in the continuous surveillance activity (662 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

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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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