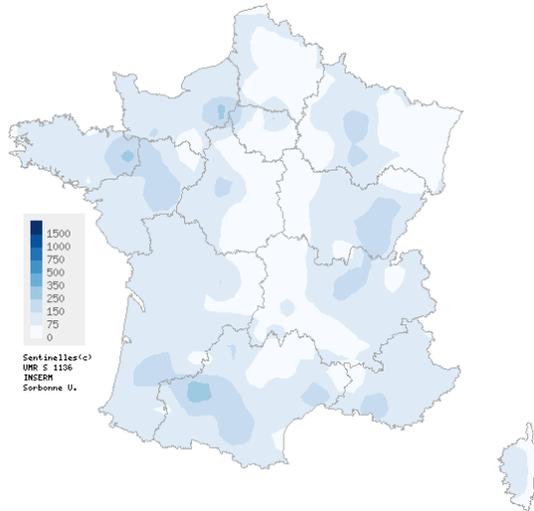


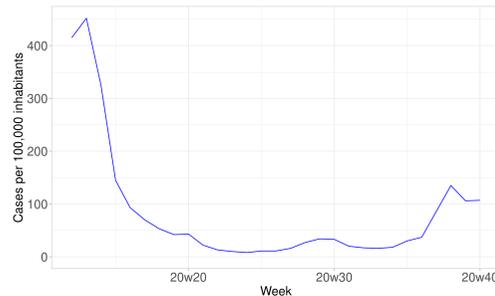
Observed situation for the week 40 of the year 2020, from 09/28/2020 to 10/04/2020

Acute Respiratory Infection (ARI)

Stable activity in general practice



Spatial interpolation map of incidence rates at department level



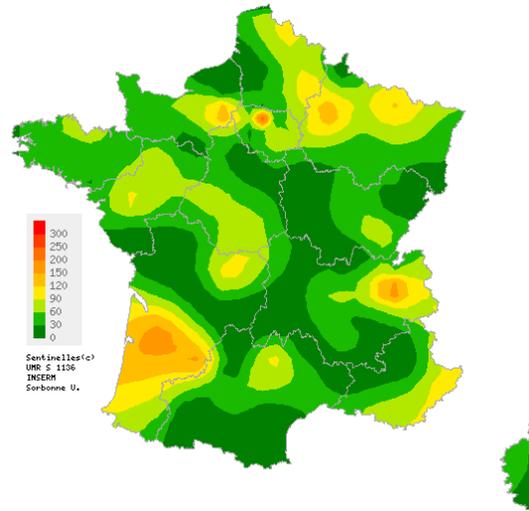
Incidence rates by week

In metropolitan France, last week (2020w40), the incidence rate of ARI consulting (or teleconsulting) in general practice was estimated at 107 cases per 100,000 inhabitants (95% CI [93 ; 121]). This estimate is stable compared to week 2020w39 (consolidated data : 106 [94 ; 118]).

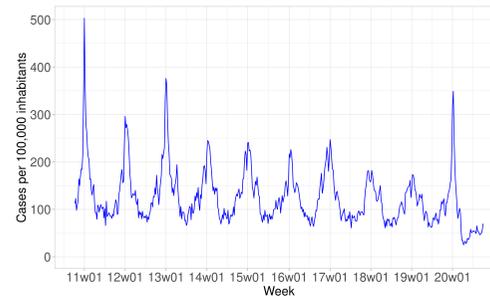
Complete national and regional data are available on the last page of this bulletin.

Acute diarrhea

Low activity in general practice



Spatial interpolation map of incidence rates at department level



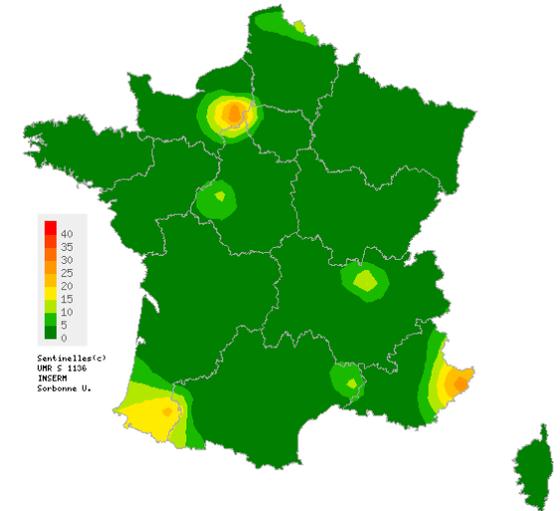
Incidence rates by week

In metropolitan France, last week (2020w40), the incidence rate of acute diarrhea seen in general practice was estimated at 70 cases per 100,000 inhabitants (95% CI [59 ; 81]). This estimate is stable compared to week 2020w39 (consolidated data : 58 [49 ; 67]).

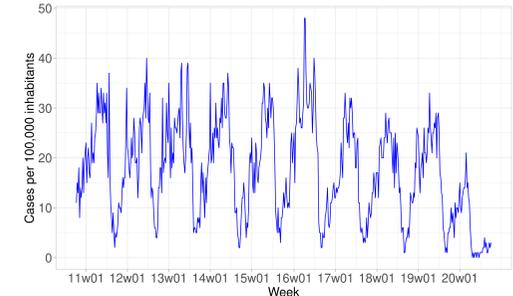
Complete national and regional data are available on the last page of this bulletin.

Chickenpox

Low activity in general practice



Spatial interpolation map of incidence rates at department level



Incidence rates by week

In metropolitan France, last week (2020w40), the incidence rate of Chickenpox seen in general practice was estimated at 3 cases per 100,000 inhabitants (95% CI [0 ; 6]). This estimate is stable compared to week 2020w39 (consolidated data : 2 [1 ; 3]).

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

Observed situation for the week 40 of the year 2020, from 09/28/2020 to 10/04/2020

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

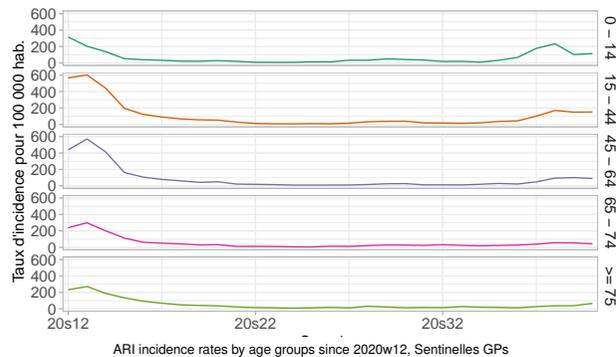
Information about the monitoring of respiratory infections

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.

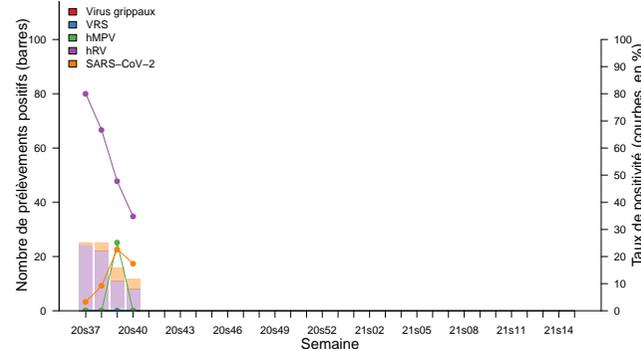
This surveillance is implemented in collaboration with Santé Publique France, the National Reference Center (CNR) for respiratory infections (including influenza) (Pasteur Institute, Paris ; Associated Center : Hospices Civils de Lyon), and the virology laboratory of the University of Corsica.

ARI incidence rates by age groups Stable activity



In week 2020w40, incidence rates are stable in all age groups compared to the previous week.

ARI virological surveillance Circulation of hRV and SARS-CoV-2



Positive swabs and positivity rate of the tested respiratory viruses among ARI cases swabbed by Sentinelles physicians (GPs and pediatricians) since week 2020w37

Since week 2020s37, among the cases of ARI seen in consultation and having had a nasopharyngeal swab :

- 64/107 (59.8%) were positive for rhinovirus.
- 13/108 (12.0%) were positive for SARS-CoV-2 (COVID-19)
- 1/15 (6.7%) was positive for metapneumovirus
- 0/41 (0.0%) was positive for RSV
- 0/107 (0.0%) was positive for an influenza virus.

In week 2020s40, 23 patients had a nasopharyngeal swab :

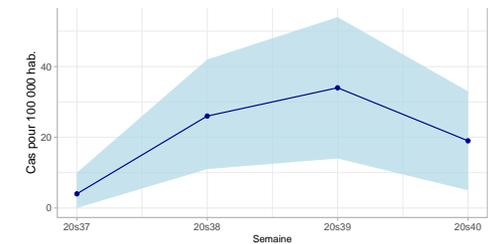
- 8/23 (34.8%) were hRV positive (consolidated data for 2020s39 : 10/21 (47.6%)).
- 4/23 (17.4%) were positive for SARS-CoV-2 (COVID-19) (consolidated data for 2020s39 : 5/22 (22.7%)).
- None were positive for influenza viruses (0/23 (0.0%)), for RSV (0/12 (0.0%)) or the metapneumovirus (0/8 (0.0%)).
- No viral co-infection was observed.

Description of COVID-19 confirmed cases seen in primary care

Since week 2020w37, the 13 (12%) positive cases for SARS-CoV-2 (COVID-19) seen by Sentinelles physicians (GPs and paediatricians) had the following characteristics :

- Their median age was 55 years (from 16 to 88 years). There were 7 men and 6 women.
- Two 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



ARI incidence rate due to SARS-CoV-2 (COVID-19) observed in general practice since 2020w37

In week 2020w40, the ARI incidence rate due to SARS-CoV-2 (COVID-19) seen in general practice was estimated at 19 cases per 100,000 population (IC95% [5 ; 33]), representing 12,457 [3,410 ; 21,504] new cases of COVID-19 seen by a GP, stable compared to previous weeks.

These estimates need to be read carefully and will need to be consolidated in the coming weeks.

Observed situation for the week 40 of the year 2020, from 09/28/2020 to 10/04/2020

National incidence rates over the last 3 weeks (per 100,000 inhabitants)	2020w40 (unconsolidated) Incidence rate estimations [95% confidence interval]	2020w39 Incidence rate estimations [95% confidence interval]	2020w38 Incidence rate estimations [95% confidence interval]
Acute Respiratory Infection	107 [93 ; 121]	106 [94 ; 118]	135 [122 ; 148]
Acute diarrhea	70 [59 ; 81]	58 [49 ; 67]	50 [42 ; 58]
Chickenpox	3 [0 ; 6]	2 [1 ; 3]	3 [1 ; 5]

Regional incidence rates for the week 2020w40 (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	114 [81 ; 147]	52 [29 ; 75]	4 [0 ; 11]
Bourgogne-Franche-Comté	92 [26 ; 158]	22 [0 ; 49]	0 [0 ; 0]
Bretagne	145 [69 ; 221]	49 [15 ; 83]	0 [0 ; 0]
Centre-Val de Loire	66 [38 ; 94]	43 [13 ; 73]	3 [0 ; 9]
Corse	83 [6 ; 160]	39 [0 ; 89]	0 [0 ; 0]
Grand Est	51 [21 ; 81]	76 [37 ; 115]	0 [0 ; 0]
Hauts-de-France	71 [34 ; 108]	84 [34 ; 134]	5 [0 ; 15]
Ile-de-France	79 [37 ; 121]	105 [57 ; 153]	0 [0 ; 0]
Normandie	143 [67 ; 219]	51 [17 ; 85]	7 [0 ; 20]
Nouvelle-Aquitaine	83 [46 ; 120]	80 [44 ; 116]	3 [0 ; 9]
Occitanie	121 [80 ; 162]	38 [14 ; 62]	2 [0 ; 7]
Pays de la Loire	125 [58 ; 192]	69 [22 ; 116]	0 [0 ; 0]
Provence-Alpes-Côte d'Azur	143 [52 ; 234]	72 [14 ; 130]	6 [0 ; 18]

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, 756 physicians participate in the continuous surveillance activity (681 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, Louis Longo
Grand Est	Daouda Niaré
Ile-de-France, Hauts-de-France	Mathilde François Camille Bonnet, Hayat Benamar, Morgane Swital
Normandie	Arthur Rakover
Nouvelle-Aquitaine, Occitanie	Marion Debin, Yves Dorléans

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