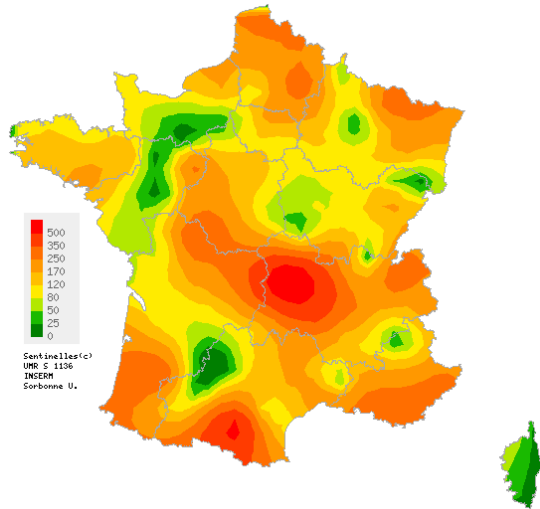


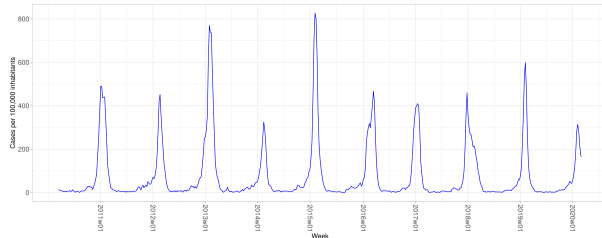
Weekly report on 03/11/2020, 2020w10 (from 03/02/2020 to 03/08/2020)

### Influenza-like illness

Activity stable in general practice



Spatial interpolation map of departmental incidence rates



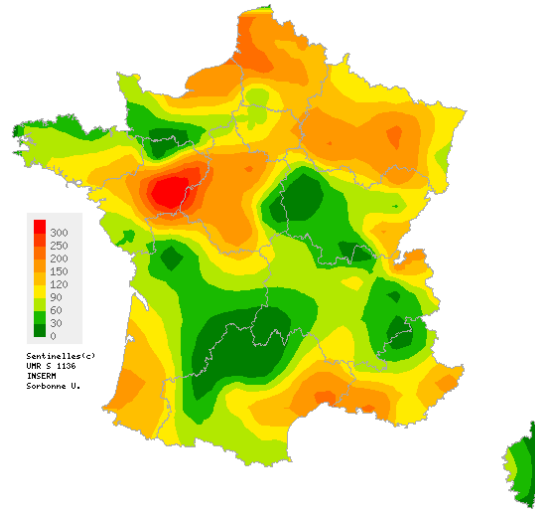
Incidence rates by week

**In metropolitan France**, last week (2020w10), the incidence rate of influenza-like illness seen in general practice was estimated at 167 cases per 100,000 inhabitants (95% CI [152 ; 182]).

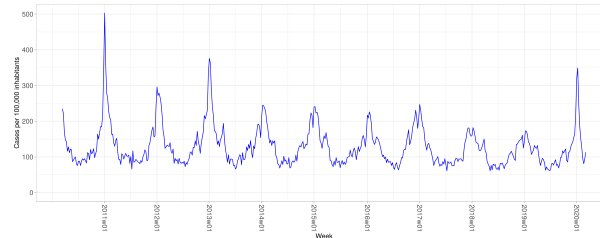
**At the regional level**, the highest incidence rates were reported in : Provence-Alpes-Côte d'Azur (285 [200 ; 370]), Hauts-de-France (256 [174 ; 338]) and Auvergne-Rhône-Alpes (253 [194 ; 312]).

### Acute diarrhea

Moderate activity in general practice



Spatial interpolation map of departmental incidence rates



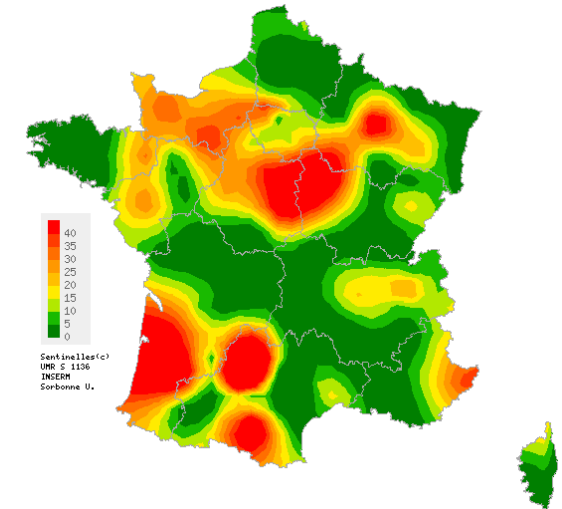
Incidence rates by week

**In metropolitan France**, last week (2020w10), the incidence rate of acute diarrhea seen in general practice was estimated at 113 cases per 100,000 inhabitants (95% CI [101 ; 125]).

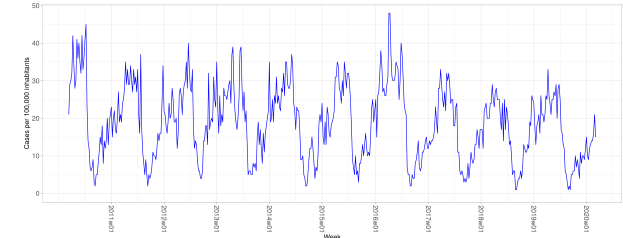
**At the regional level**, the highest incidence rates were noted in : Pays de la Loire (200 [0 ; 438]), Hauts-de-France (156 [95 ; 217]) and Provence-Alpes-Côte d'Azur (155 [94 ; 216]).

### Chickenpox

Moderate activity in general practice



Spatial interpolation map of departmental incidence rates



Incidence rates by week

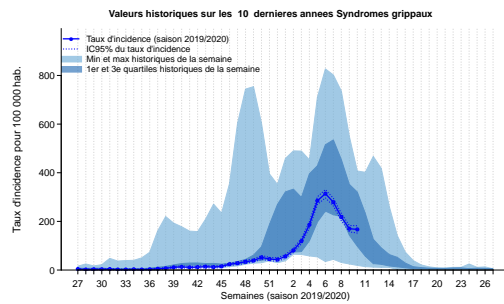
**In metropolitan France**, last week (2020w10), the incidence rate of Chickenpox seen in general practice was estimated at 15 cases per 100,000 inhabitants (95% CI [11 ; 19]).

**At the regional level**, the highest incidence rates were observed in Centre-Val de Loire (29 [9 ; 49]) and Normandie (26 [0 ; 54]).

Weekly report on 03/11/2020, 2020w10 (from 03/02/2020 to 03/08/2020)

## Influenza-like illness - Additional Data

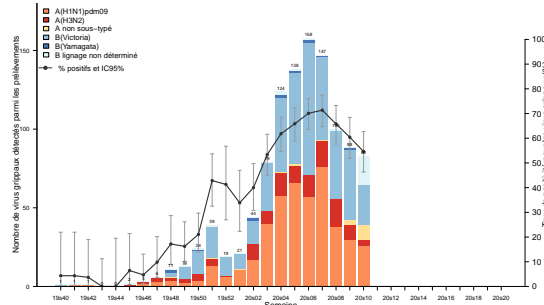
### Comparison with historical data Weekly activity comparable to previous seasons



Weekly incidence rate of influenza-like illness seen in General Practice since 2010 (per 100,000 inhabitants)

The ILI activity observed last week (2020s10) is at the median of the incidences measured for the same week over the last 10 years.

### Virological monitoring of influenza viruses Decrease in the positivity rate



Positive samples and positive rate for influenza viruses from influenza-like illness cases swabbed by the Sentinelles network practitioners (general practitioners and pediatricians) since week 2019s40

Among the cases of influenza-like illness observed by the Sentinelles practitioners since week 2019s40, date of start of the virological monitoring, 2,278 nasopharyngeal samples were tested.

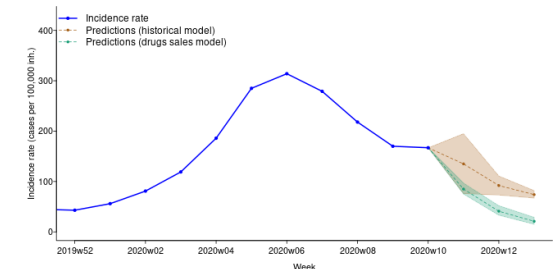
Among them, 1,098 (48.2%) were positive for an influenza virus :

- 593 virus of type A :
  - 455 (20.0 %) A(H1N1)pdm09
  - 125 (5.5%) A(H3N2)
  - 14 (0.6%) A viruses not subtyped
- 508 virus of type B :
  - 471 (20.7%) lineage Victoria
  - 11 (0.5%) lineage Yamagata
  - 26 (1.1%) undetermined lineage

Four influenza co-infections were observed over the entire virological surveillance period : one co-infection of influenza A(H1N1)pdm09 / A(H3N2) viruses, and three co-infections of influenza A and B viruses.

**In week 2020w10, among the 152 swabs tested, 83 (54.6%) were positive for influenza virus (39 for type A viruses and 44 for type B viruses).**

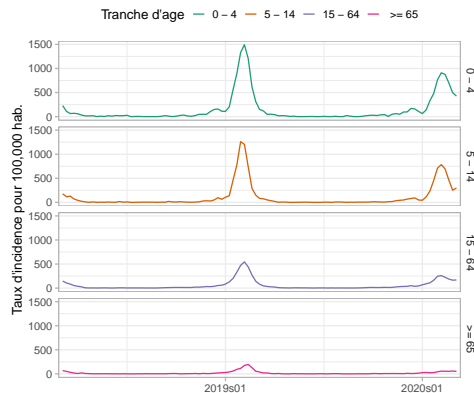
### Forecasting Evolution of Influenza-like illness



Influenza-like illness forecasting in the upcoming weeks

According to the forecast model based on historical data, and on medication deliveries (IQVIA research partnership), **the ILI activity is expected to continue to decrease in the upcoming weeks.**

### Incidence rates by age groups Slight increase in 5-14 year olds



Influenza-like illness incidence rates by age groups for the last 2 years, Sentinelles GPs

In week 2020s10, there is a slowdown in the incidence decrease for all age groups, and even a slight increase in 5-14 year olds.

### General conclusion

Influenza surveillance is carried out at different levels (general population, primary care, hospitals, deaths) by different actors, in order to have a global vision on the influenza situation in mainland France. All available data on winter respiratory infections are jointly analysed by Public Health France, the National Reference Centre for Respiratory Viruses (including influenza) and the Sentinel Network.

**In the light of all this information, the conclusions for last week (2020w10) are :**

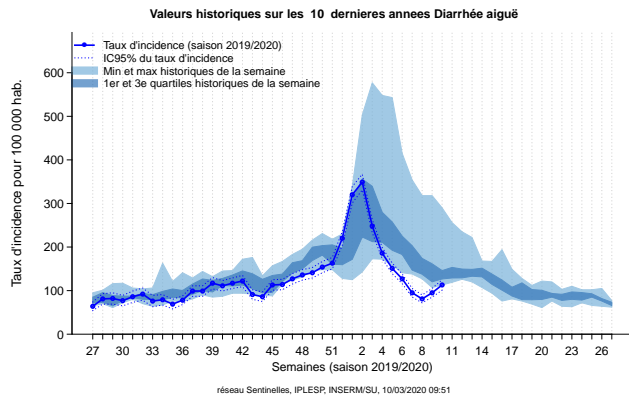
- **Reduction of influenza activity in 7 regions in mainland France**
- **Stable influenza activity in the 6 other metropolitan regions**
- **Transition from Corsica to the post-epidemic phase**

More information on [Bulletin grippe Santé publique France](#)

Weekly report on 03/11/2020, 2020w10 (from 03/02/2020 to 03/08/2020)

**Acute diarrhea - Additional Data**

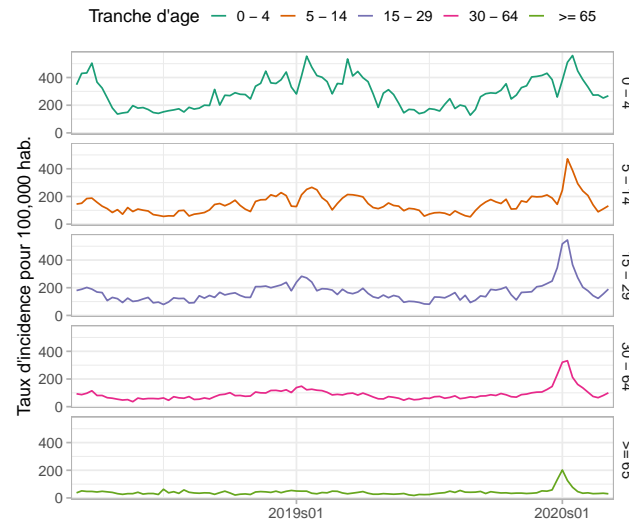
**Comparison with historical data**  
Low weekly activity



National incidence rate for acute diarrheas and comparison with historical data for the last 10 years, for 100,000 inhabitants

The incidence rate estimated last week, although slightly higher than the previous week (2020w09), is among the lowest estimated incidence rates for the same week in the last ten years.

**Age-specific incidence rates and description of reported cases**



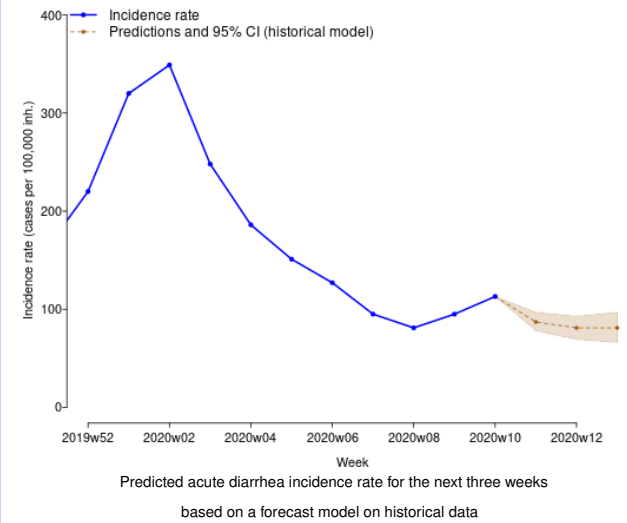
Age-specific national incidence rate (per 100,000 inhabitants), for the last 2 years

Regarding the cases reported last week, the median age was 27 years old (4 months to 86 years). Males accounted for 48% of the cases.

These cases showed no particular sign of severity : the percentage of hospitalization was estimated at 0% (IC95% [0 ; 0]).

A moderate increase in the incidence rate was observed in all age groups except for those aged 65 and over.

**Incidence rates and forecast**  
Stable level of activity



According to the forecast model based on historical data, the activity level of acute diarrhea could remain stable in the upcoming weeks.

## Weekly report on 03/11/2020, 2020w10 (from 03/02/2020 to 03/08/2020)

National incidence rates over the last 3 weeks (per 100,000 inhabitants)	2020w10 (unconsolidated) Incidence rate estimations [95% confidence interval]	2020w09 Incidence rate estimations [95% confidence interval]	2020w08 Incidence rate estimations [95% confidence interval]
Influenza-like Illness	167 [152 ; 182]	170 [157 ; 183]	218 [203 ; 233]
Acute diarrhoea	113 [101 ; 125]	95 [85 ; 105]	81 [72 ; 90]
Chickenpox	15 [11 ; 19]	21 [16 ; 26]	16 [12 ; 20]

Regional incidence rates for the week 2020w10 (per 100,000 inhabitants)	Influenza-like Illness Incidence rate estimations [95% confidence interval]	Acute diarrhoea Incidence rate estimations [95% confidence interval]	Chickenpox Incidence rate estimations [95% confidence interval]
Auvergne-Rhône-Alpes	253 [194 ; 312]	78 [45 ; 111]	10 [0 ; 21]
Bourgogne-Franche-Comté	122 [49 ; 195]	56 [21 ; 91]	13 [0 ; 26]
Bretagne	154 [106 ; 202]	103 [64 ; 142]	10 [0 ; 22]
Centre-Val de Loire	157 [110 ; 204]	152 [105 ; 199]	29 [9 ; 49]
Corse	47 [4 ; 90]	41 [0 ; 84]	12 [0 ; 31]
Grand Est	185 [134 ; 236]	137 [97 ; 177]	8 [0 ; 16]
Hauts-de-France	256 [174 ; 338]	156 [95 ; 217]	5 [0 ; 14]
Ile-de-France	136 [101 ; 171]	85 [61 ; 109]	13 [3 ; 23]
Normandie	108 [30 ; 186]	126 [48 ; 204]	26 [0 ; 54]
Nouvelle-Aquitaine	132 [85 ; 179]	73 [35 ; 111]	17 [4 ; 30]
Occitanie	140 [98 ; 182]	114 [62 ; 166]	14 [0 ; 35]
Pays de la Loire	75 [31 ; 119]	200 [0 ; 438]	18 [0 ; 36]
Provence-Alpes-Côte d'Azur	285 [200 ; 370]	155 [94 ; 216]	8 [0 ; 19]

## 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, 666 physicians participate in the continuous surveillance activity (588 general practitioners and 78 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	<b>Marianne Sarazin</b> Caroline Liotard
Centre-Val de Loire, Pays de la Loire, Bretagne	<b>Thierry Prazuck</b> Charly Kengne-Kuetche, Romain Pons
Corse, PACA	<b>Alessandra Falchi</b> Shirley Masse, Natacha Villechenaud
Grand Est	Daouda Niaré
Ile-de-France, Hauts-de-France	<b>Mathilde François</b> Camille Bonnet, Jennifer Morice
Nouvelle-Aquitaine, Occitanie	Marion Debin

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