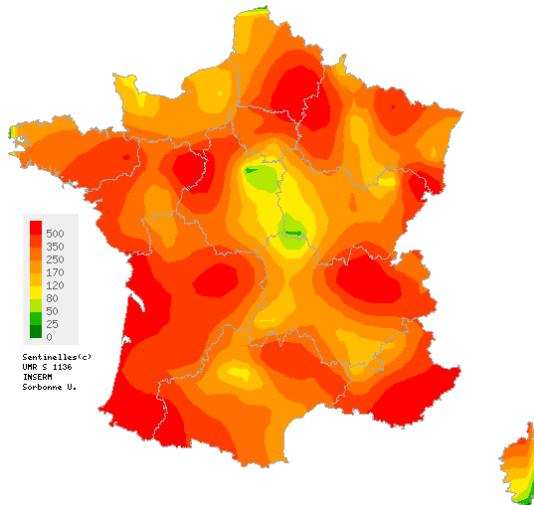


Weekly report on 02/12/2020, 2020w06 (from 02/03/2020 to 02/09/2020)

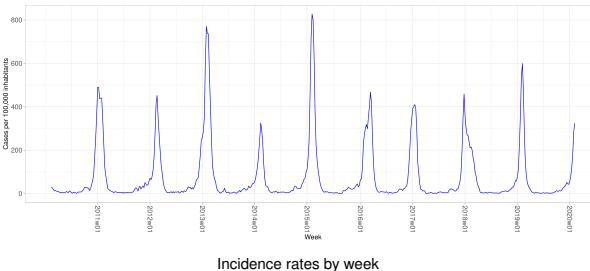
Influenza-like illness

Epidemic Activity

in general practice



Spatial interpolation map of departmental incidence rates



Incidence rates by week

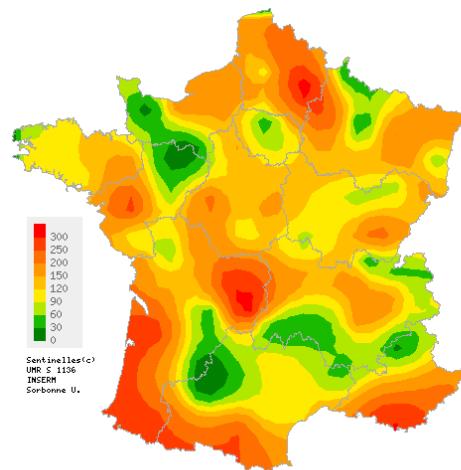
In metropolitan France, last week (2020w06), the incidence rate of influenza-like illness seen in general practice was estimated at 324 cases per 100,000 inhabitants (95% CI [303 ; 345]).

At the regional level, the highest incidence rates were reported in : Provence-Alpes-Côte d'Azur (562 [407 ; 717]), Nouvelle-Aquitaine (437 [350 ; 524]) and Auvergne-Rhône-Alpes (431 [362 ; 500]).

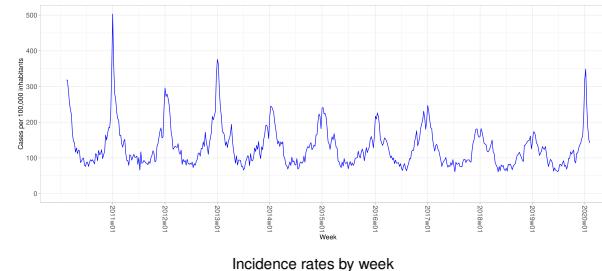
Acute diarrhea

Moderate to high activity

in general practice



Spatial interpolation map of departmental incidence rates



Incidence rates by week

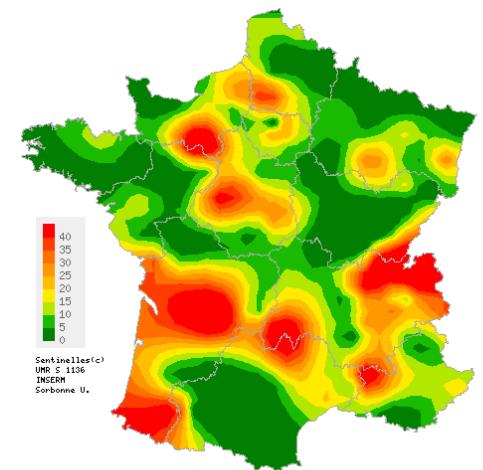
In metropolitan France, last week (2020w06), the incidence rate of acute diarrhea seen in general practice was estimated at 142 cases per 100,000 inhabitants (95% CI [129 ; 155]).

At the regional level, the highest incidence rates were noted in : Provence-Alpes-Côte d'Azur (226 [134 ; 318]), Hauts-de-France (218 [149 ; 287]) and Nouvelle-Aquitaine (181 [131 ; 231]).

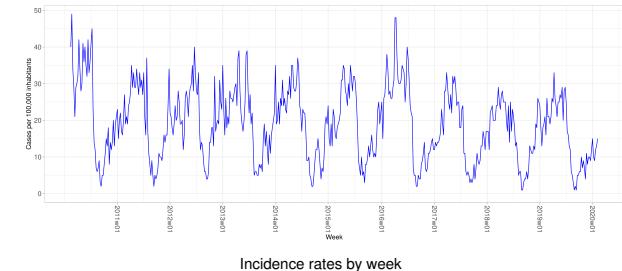
Chickenpox

Low activity

in general practice



Spatial interpolation map of departmental incidence rates



Incidence rates by week

In metropolitan France, last week (2020w06), the incidence rate of Chickenpox seen in general practice was estimated at 15 cases per 100,000 inhabitants (95% CI [11 ; 19]).

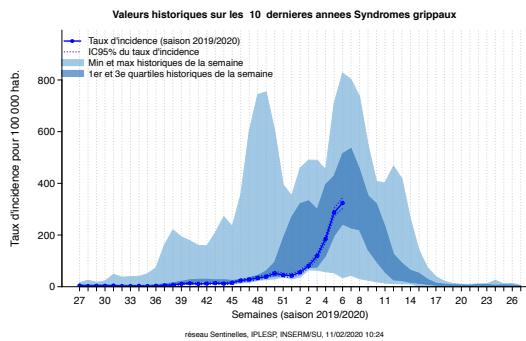
At the regional level, the highest incidence rates were observed in Auvergne-Rhône-Alpes (35 [13 ; 57]), Nouvelle-Aquitaine (26 [3 ; 49]) and Centre-Val de Loire (24 [8 ; 40]).

Weekly report on 02/12/2020, 2020w06 (from 02/03/2020 to 02/09/2020)

Influenza-like illness - Additional Data

Comparison with historical data

Activity comparable to previous seasons

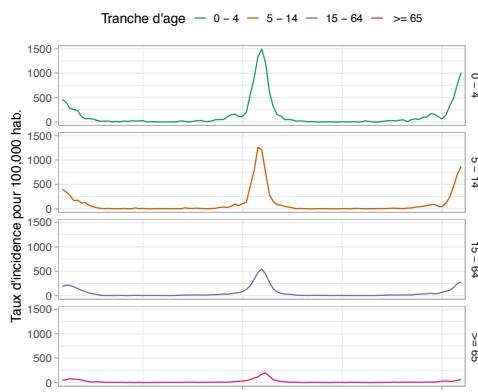


Weekly incidence rate of influenza-like illness seen in General Practice since 2010 (per 100,000 inhabitants)

The current influenza-like illness activity is around the median of incidences measured for the same week over the past 10 years.

Incidence rates by age groups

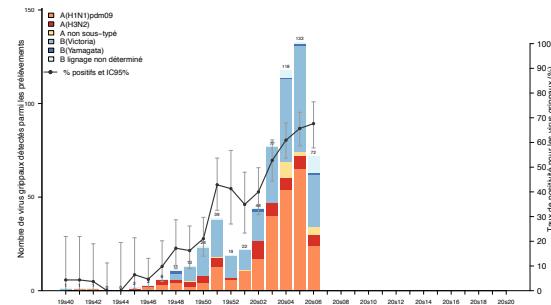
The children mainly affected



Influenza-like illness incidence rates by age groups for the last 2 years, Sentinelles GPs
In week 2020w06, the incidence is increasing in all age groups, mainly among children and adults under 65 years old.

Virological monitoring of influenza viruses

Slight increase in circulation



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 2019w40

Among the cases of influenza-like illness observed by the Sentinelles practitioners since week 2019w40, date of start of the virological monitoring, 1489 nasopharyngeal samples were tested.

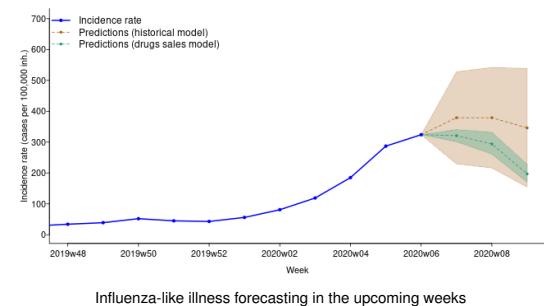
Among them, 583 (39.2%) were positive for an influenza virus : 317 virus of type A (16.6% A(H1N1)pdm09, 3.8% A(H3N2) and 1.0% of A viruses not sub-typed) and 268 virus of type B (16.4% lineage Victoria, 0.5% lineage Yamagata and 1.1% of undetermined lineage).

In week 2020w06, among the 105 swabs tested, 71 (67.6%) were positive for influenza virus (34 for type A viruses and 38 for type B viruses).

The positivity rate was still increasing this week.

Forecasting

Moderate increase in activity



According to the forecast model based on historical data, and on medication deliveries (IQVIA research partnership), the influenza-like illness incidence could continue to increase slightly or remain stable in the coming weeks.

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 (2020w06) are :

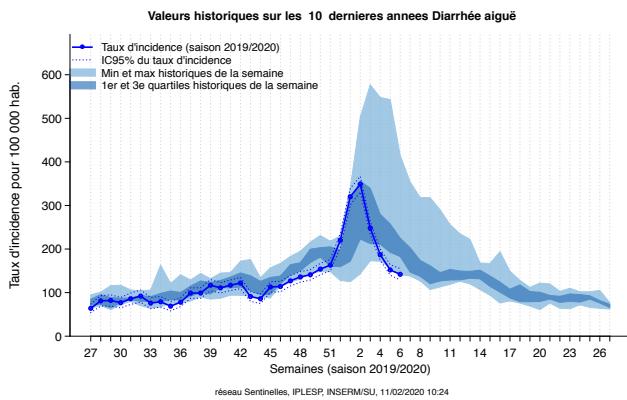
- Moderate increase in influenza indicators
- Co-circulation of the A(H1N1)pdm09 and B/Victoria viruses in mainland France
- French Guiana : beginning of the epidemic
- Slight increase in vaccination coverage of people at risk compared to the 2018-2019 season

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

Weekly report on 02/12/2020, 2020w06 (from 02/03/2020 to 02/09/2020)

Acute diarrhea - Additional Data

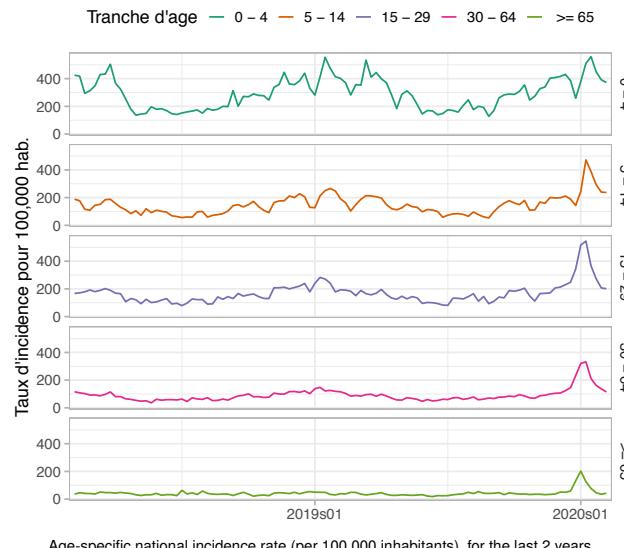
Comparison with historical data Activity comparable to previous seasons



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

The activity observed last week is below the first quartile of incidences measured for the same week over the last 10 years. The gastroenteritis incidence continue its decrease for the fourth consecutive week.

Description of reported cases

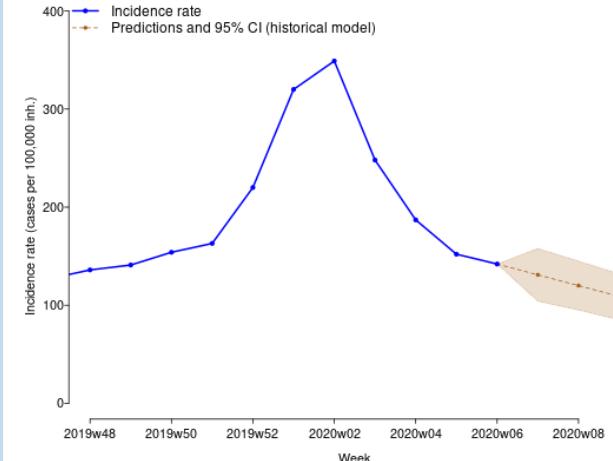


Regarding the cases reported last week, the median age was 24 years old (1 months to 99 years). Males accounted for 51% of the cases.

These cases showed no particular sign of severity : the percentage of hospitalization was estimated at 0.6% (IC95% [0 ; 1.3]).

Incidence rates are still decreasing across all age groups.

Incidence rates and forecast Continued decrease in activity



Predicted acute diarrhea incidence rate for the next three weeks based on a forecast model on historical data

According to the forecast model based on historical data, the incidence of acute diarrhea should continue to decrease in the coming weeks.

Weekly report on 02/12/2020, 2020w06 (from 02/03/2020 to 02/09/2020)

National incidence rates over the last 3 weeks (per 100,000 inhabitants)	2020w06 (unconsolidated)	2020w05	2020w04
	Incidence rate estimations [95% confidence interval]	Incidence rate estimations [95% confidence interval]	Incidence rate estimations [95% confidence interval]
Influenza-like Illness	324 [303 ; 345]	287 [271 ; 303]	185 [172 ; 198]
Acute diarrhea	142 [129 ; 155]	152 [140 ; 164]	187 [174 ; 200]
Chickenpox	15 [11 ; 19]	13 [10 ; 16]	12 [9 ; 15]

Regional incidence rates for the week 2020w06 (per 100,000 inhabitants)	Influenza-like Illness	Acute diarrhea	Chickenpox
	Incidence rate estimations [95% confidence interval]	Incidence rate estimations [95% confidence interval]	Incidence rate estimations [95% confidence interval]
Auvergne-Rhône-Alpes	431 [362 ; 500]	130 [96 ; 164]	35 [13 ; 57]
Bourgogne-Franche-Comté	245 [167 ; 323]	113 [62 ; 164]	1 [0 ; 5]
Bretagne	390 [314 ; 466]	131 [88 ; 174]	3 [0 ; 7]
Centre-Val de Loire	258 [206 ; 310]	160 [117 ; 203]	24 [8 ; 40]
Corse	319 [225 ; 413]	60 [19 ; 101]	16 [0 ; 39]
Grand Est	326 [259 ; 393]	145 [101 ; 189]	9 [0 ; 18]
Hauts-de-France	319 [233 ; 405]	218 [149 ; 287]	13 [0 ; 28]
Ile-de-France	309 [258 ; 360]	50 [32 ; 68]	12 [3 ; 21]
Normandie	156 [94 ; 218]	133 [69 ; 197]	17 [0 ; 43]
Nouvelle-Aquitaine	437 [350 ; 524]	181 [131 ; 231]	26 [3 ; 49]
Occitanie	284 [215 ; 353]	89 [50 ; 128]	7 [0 ; 16]
Pays de la Loire	368 [267 ; 469]	142 [86 ; 198]	6 [0 ; 14]
Provence-Alpes-Côte d'Azur	562 [407 ; 717]	226 [134 ; 318]	11 [0 ; 25]

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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, 653 physicians participate in the continuous surveillance activity (575 general practitioners and 78 paediatricians), allowing the production of weekly epidemiological reports.

Heads of Sentinel Network : Thomas Hanslik, Thierry Blanchon

Publication : Yves Dordéans

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, Romain Pons
Corse, PACA	Alessandra Falchi Shirley Masse, Natacha Villechenuaud
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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