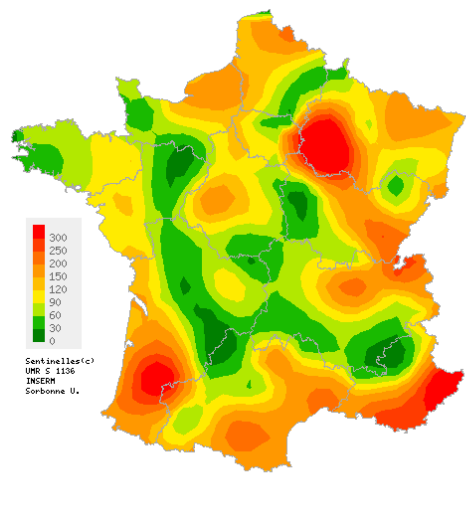


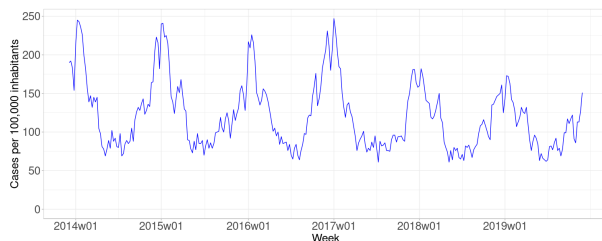
Weekly report on 12/04/2019, 2019w48 (from 11/25/2019 to 12/01/2019)

Acute diarrhea

Moderate to high activity in general practice



Spatial interpolation map of departmental incidence rates



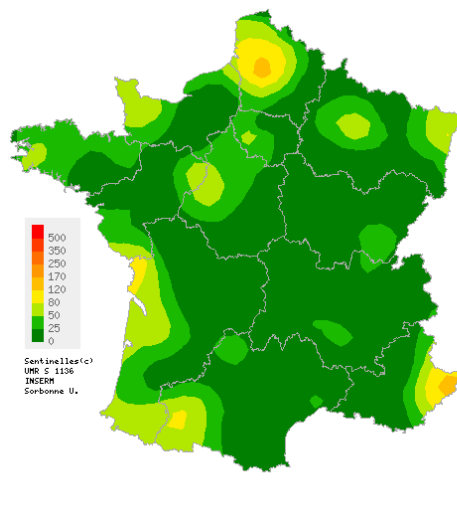
Incidence rates by week

In metropolitan France, last week (2019w48), the incidence rate of acute diarrhea seen in general practice was estimated at 151 cases per 100,000 inhabitants (95% CI [134 ; 168]).

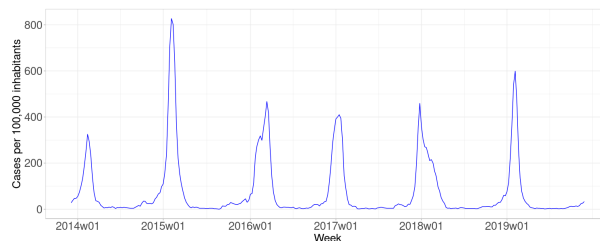
At the regional level, the highest incidence rates were noted in : Provence-Alpes-Côte d'Azur (286 [182 ; 390]), Grand Est (194 [137 ; 251]) and Hauts-de-France (185 [127 ; 243]).

Influenza-like illness

Low activity in general practice



Spatial interpolation map of departmental incidence rates



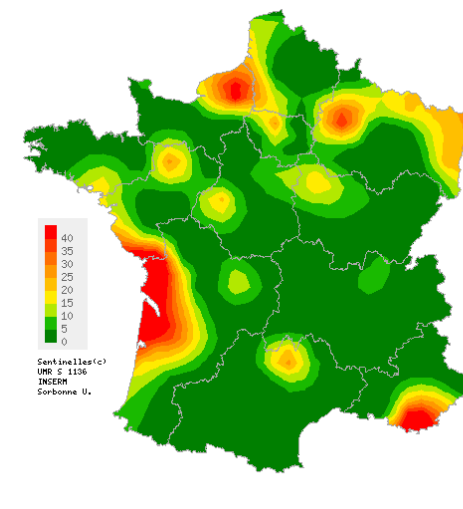
Incidence rates by week

In metropolitan France, last week (2019w48), the incidence rate of influenza-like illness seen in general practice was estimated at 33 cases per 100,000 inhabitants (95% CI [25 ; 41]).

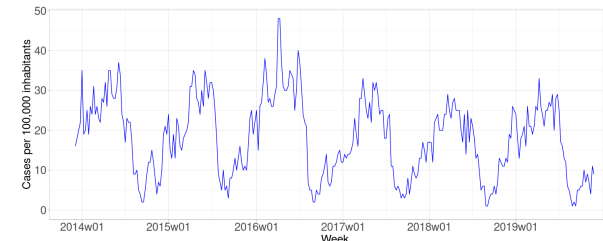
At the regional level, the highest incidence rates were reported in : Hauts-de-France (52 [22 ; 82]), Provence-Alpes-Côte d'Azur (38 [5 ; 71]) and Nouvelle-Aquitaine (37 [5 ; 69]).

Chickenpox

Low activity in general practice



Spatial interpolation map of departmental incidence rates



Incidence rates by week

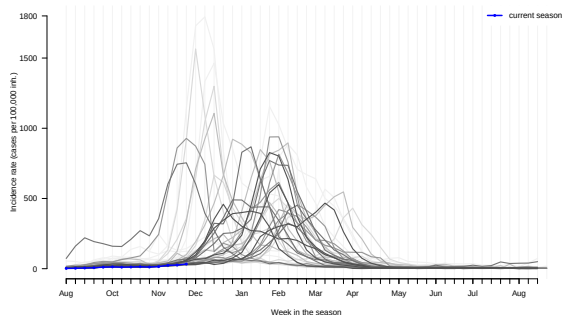
In metropolitan France, last week (2019w48), the incidence rate of Chickenpox seen in general practice was estimated at 9 cases per 100,000 inhabitants (95% CI [5 ; 13]).

At the regional level, the highest incidence rates were observed in Nouvelle-Aquitaine (20 [0 ; 41]), Normandie (19 [0 ; 72]) and Grand Est (17 [0 ; 35]).

Weekly report on 12/04/2019, 2019w48 (from 11/25/2019 to 12/01/2019)

Influenza-like illness - Additional Data

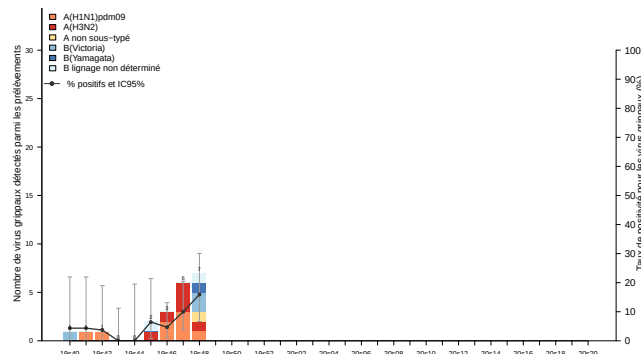
Comparison to historical data Low activity, comparable to previous seasons



Weekly incidence rate of influenza-like illness seen in General Practice since 1984 (per 100,000 inhabitants)

The current low activity of influenza-like illness is comparable to that of the past seasons at the same time period.

Virological monitoring of influenza viruses Sporadic circulation of influenza viruses



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

Focus on circulating respiratory viruses

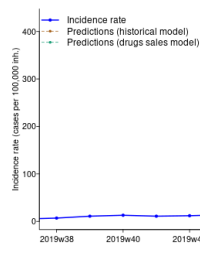
Among the cases of influenza-like illness observed by the Sentinelles practitioners **since week 2019w40, date of start of the virological monitoring, 321 nasopharyngeal samples** were randomly collected.

Among tested samples, **21 (6.6%) were positive for an influenza virus : 15 virus of type A (8 A(H1N1)pdm09 and 6 A(H3N2) and 1 non-subtyped A virus) and 6 virus of type B (3 lineage Victoria, 1 lineage Yamagata and 2 undetermined lineage).**

Among samples tested for other respiratory virus, 102 (31.9%) were positive for the rhinovirus (hRV) ; 29 (9.1%) for the respiratory syncytial virus (RSV), and 15 (4.8%) for the metapneumovirus (hMPV). **In week 2019w48, the rhinovirus was mostly circulating.**

Forecasting

Evolution of Influenza-like illness

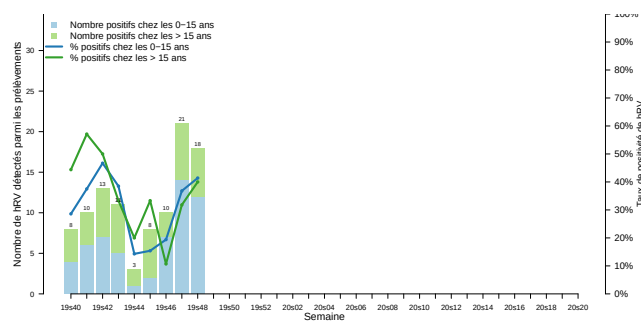


Influenza-like illness forecasting in the upcoming weeks

According to the forecast model based on historical data, and on medication deliveries (IQVIA research partnership), **the ILI activity will remain stable or slightly increase in the upcoming weeks.**

Other respiratory viruses monitoring

Rhinovirus is mostly circulating



Positive samples and positive rate for Rhinovirus from influenza-like illness cases swabbed by the Sentinelles network practitioners (general practitioners and pediatricians) since week 2019w40

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 (2019w48) are : baseline influenza activity (sporadic influenza virus circulation).

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

Weekly report on 12/04/2019, 2019w48 (from 11/25/2019 to 12/01/2019)

National incidence rates over the last 3 weeks (per 100,000 inhabitants)	2019w48 (unconsolidated) Incidence rate estimations [95% confidence interval]	2019w47 Incidence rate estimations [95% confidence interval]	2019w46 Incidence rate estimations [95% confidence interval]
Influenza-like Illness	33 [25 ; 41]	26 [20 ; 32]	24 [19 ; 29]
Acute diarrhea	151 [134 ; 168]	128 [115 ; 141]	113 [101 ; 125]
Chickenpox	9 [5 ; 13]	11 [7 ; 15]	4 [2 ; 6]

Regional incidence rates for the week 2019w48 (per 100,000 inhabitants)	Influenza-like Illness Incidence rate estimations [95% confidence interval]	Acute diarrhea Incidence rate estimations [95% confidence interval]	Chickenpox Incidence rate estimations [95% confidence interval]
Auvergne-Rhône-Alpes	16 [3 ; 29]	166 [113 ; 219]	3 [0 ; 9]
Bourgogne-Franche-Comté	4 [0 ; 12]	88 [33 ; 143]	4 [0 ; 12]
Bretagne	30 [9 ; 51]	93 [56 ; 130]	4 [0 ; 13]
Centre-Val de Loire	36 [11 ; 61]	141 [91 ; 191]	8 [0 ; 22]
Corse	18 [0 ; 45]	127 [46 ; 208]	0 [0 ; 0]
Grand Est	32 [6 ; 58]	194 [137 ; 251]	17 [0 ; 35]
Hauts-de-France	52 [22 ; 82]	185 [127 ; 243]	5 [0 ; 13]
Ile-de-France	23 [8 ; 38]	60 [31 ; 89]	13 [0 ; 29]
Normandie	18 [0 ; 42]	139 [28 ; 250]	19 [0 ; 72]
Nouvelle-Aquitaine	37 [5 ; 69]	142 [87 ; 197]	20 [0 ; 41]
Occitanie	17 [2 ; 32]	144 [90 ; 198]	2 [0 ; 7]
Pays de la Loire	25 [0 ; 52]	78 [36 ; 120]	4 [0 ; 11]
Provence-Alpes-Côte d'Azur	38 [5 ; 71]	286 [182 ; 390]	13 [0 ; 38]

French Sentinel network

Pierre Louis Institute of Epidemiology and Public Health

UMR-S 1136 (Inserm - Sorbonne Université)

Phone : +33 144 738 435 | E-mail : sentinelles@upmc.fr

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, 595 physicians participate in the continuous surveillance activity (522 general practitioners and 73 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, Romain Pons
Corse, PACA	Alessandra Falchi Shirley Masse, Natacha Villechenaud
Grand Est	Daouda Niaré
Ile-de-France, Hauts-de-France	Mathilde François Camille Bonnet, Jennifer Morice
Normandie	Laetitia Vaillant
Nouvelle-Aquitaine, Occitanie	Marion Debin

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