

Sentinelles network report from 11/07/2018, n° 2018w44 (data from 10/29/2018 to 11/04/2018)

ACUTE DIARRHEA

Moderate activity in general practice

In metropolitan France, last week (2018w44), the incidence rate of acute diarrhea seen in general practice was estimated at 92 cases per 100,000 inhabitants (95% CI [76 ; 108]), **below** the epidemic threshold (155 cases per 100,000 inhabitants) [1].

At the regional level, the highest incidence rates were noted in: Ile-de-France (119 cases per 100,000 inhabitants, 95% CI [5 ; 233]), Hauts-de-France (116, 95% CI [52 ; 180]), Auvergne-Rhône-Alpes (107, 95% CI [56 ; 158]) and Grand Est (107, 95% CI [61 ; 153]). *

[More information about acute diarrhea Sentinelles surveillance](#)

INFLUENZA-LIKE ILLNESS

Low activity in general practice

Clinical monitoring: in metropolitan France, last week (2018w44), the incidence rate of influenza-like illness seen in general practice was estimated at 12 cases per 100,000 inhabitants (95% CI [6 ; 18]).

At the regional level, the highest incidence rates were reported in: Hauts-de-France (73 cases per 100,000 inhabitants, 95% CI [6 ; 140]), Bretagne (26, 95% CI [0 ; 77]) and Grand Est (9, 95% CI [0 ; 22]). *

Virological monitoring: since week 2018s40, date of start of monitoring, 96 samples were swabbed by the Sentinelles network practitioners (58 by general practitioners and 38 by pediatricians). Among all the samples tested (n=94), 2 (2.1%) were positive for at least one influenza virus.

Last week, 6 samples were tested. Among them, none was positive for an influenza virus.

Regarding the other respiratory viruses, 1 (1.1%) was positive for the metapneumovirus (hMPV), 5 (5.6%) positive for the respiratory syncytial virus (RSV), and 30 (31.6%) positive for the rhinovirus (hRV).

The samples were analyzed by the CNR (National Reference Centers) of respiratory infection viruses (coordinating center Institut Pasteur Paris, associated center Hospices civils de Lyon), and the laboratory of Virology at the University of Corsica.

[Santé publique France weekly influenza report \(in french\)](#)

[More information about influenza-like illness Sentinelles surveillance](#)

CHICKENPOX

Low activity in general practice

In metropolitan France, last week (2018w44), the incidence rate of chickenpox seen in general practice was estimated at 13 cases per 100,000 inhabitants (95% CI [7 ; 19]).

Three moderate regional clusters were noted in Normandie (34, 95% CI [0 ; 81]), Centre-Val de Loire (28, 95% CI [0 ; 59]) and Auvergne-Rhône-Alpes (22, 95% CI [0 ; 45]). *

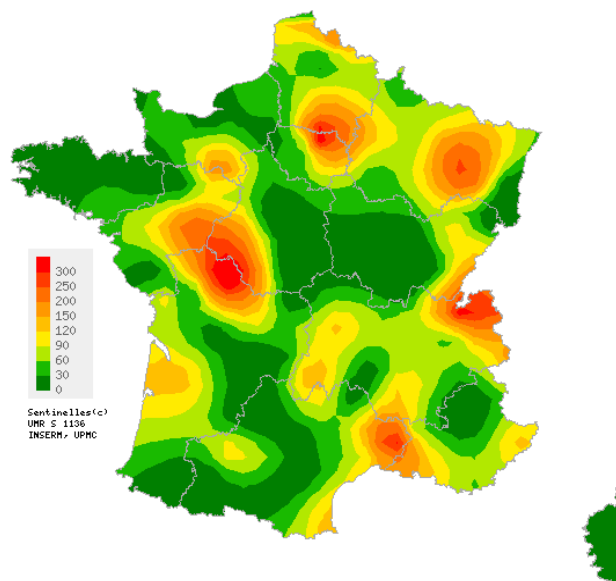
[More information about chickenpox Sentinelles surveillance](#)

[Information about Sentinelles network statistical methods \(in french\)](#)

* The regional data are presented at the end of this report.

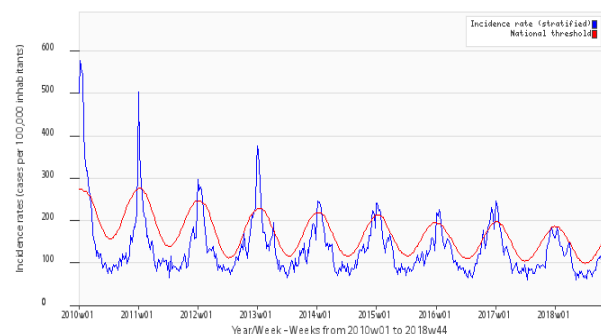
[1] Costagliola D, et al. A routine tool for detection and assessment of epidemics of influenza-like syndromes in France. Am J Public Health. 1991;81(1):97-9.

ACUTE DIARRHEA



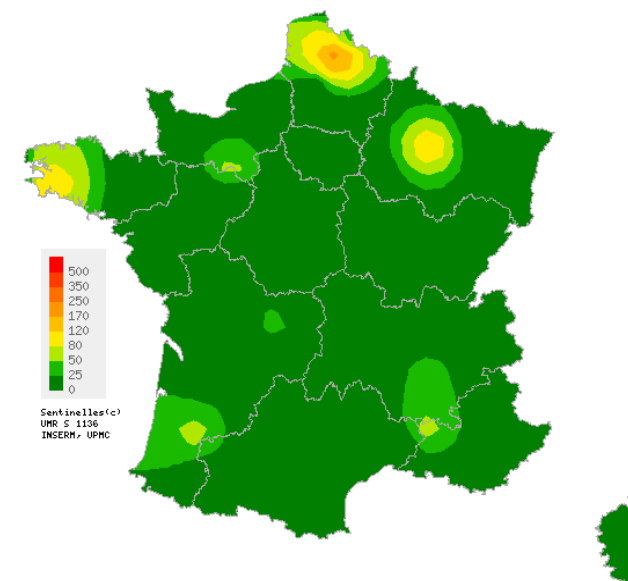
Map of spatial data interpolation based on incidence rates at the « departement » (NUTS 3) level, (per 100,000 inhabitants), acute diarrhea, Sentinelles general practitioners, 2018w44
[Maps available at http://www.sentiweb.fr](http://www.sentiweb.fr)

Sentinelles Network, Acute diarrhea, Metropolitan France



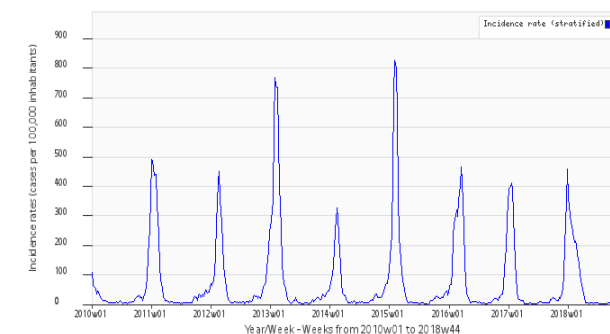
Incidence rate in blue, epidemic threshold in red calculated by a periodic regression model [1] (per 100,000 inhabitants), acute diarrhea, Sentinelles general practitioners

INFLUENZA-LIKE ILLNESS



Map of spatial data interpolation based on incidence rates at the « departement » (NUTS 3) level, (per 100,000 inhabitants), influenza-like illness, Sentinelles general practitioners, 2018w44
[Maps available at http://www.sentiweb.fr](http://www.sentiweb.fr)

Sentinelles Network, Influenza-like illness, Metropolitan France



Incidence rate in blue, (per 100,000 inhabitants), influenza-like illness, Sentinelles general practitioners

National incidence rates (per 100,000 inhabitants) over the past 3 weeks	2018w44 (non consolidated)	2018w43	2018w42
	Incidence rate estimation [95% confidence interval]	Incidence rate estimation [95% confidence interval]	Incidence rate estimation [95% confidence interval]
INFLUENZA-LIKE ILLNESS	12 [6 ; 18]	10 [6 ; 14]	12 [8 ; 16]
ACUTE DIARRHEA	92 [76 ; 108]	94 [81 ; 107]	103 [90 ; 116]
CHICKENPOX	13 [7 ; 19]	14 [9 ; 19]	7 [4 ; 10]

Table 1 : Incidence rates* estimation with 95% confidence interval, for each indicator, in France, over the past 3 weeks.

Regional incidence rates for week 2018w44 (per 100,000 inhabitants)	INFLUENZA-LIKE ILLNESS	ACUTE DIARRHEA	CHICKENPOX
	Incidence rate estimation [95% confidence interval]	Incidence rate estimation [95% confidence interval]	Incidence rate estimation [95% confidence interval]
Auvergne-Rhône-Alpes	8 [0 ; 17]	107 [56 ; 158]	22 [0 ; 45]
Bourgogne-Franche-Comté	0 [0 ; 1]	36 [0 ; 73]	10 [0 ; 26]
Bretagne	26 [0 ; 77]	16 [0 ; 38]	10 [0 ; 24]
Centre-Val de Loire	6 [0 ; 17]	50 [4 ; 96]	28 [0 ; 59]
Corse	0 [0 ; 0]	10 [0 ; 34]	0 [0 ; 0]
Grand Est	9 [0 ; 22]	107 [61 ; 153]	0 [0 ; 0]
Hauts-de-France	73 [6 ; 140]	116 [52 ; 180]	3 [0 ; 13]
Ile-de-France	7 [0 ; 17]	119 [5 ; 233]	15 [0 ; 30]
Normandie	6 [0 ; 18]	45 [0 ; 91]	34 [0 ; 81]
Nouvelle-Aquitaine	7 [0 ; 17]	93 [36 ; 150]	5 [0 ; 21]
Occitanie	0 [0 ; 0]	103 [43 ; 163]	0 [0 ; 0]
Pays de la Loire	0 [0 ; 0]	102 [28 ; 176]	13 [0 ; 43]
Provence-Alpes-Côte d'Azur	8 [0 ; 24]	96 [11 ; 181]	14 [0 ; 44]

Table 2 : Incidence rates* estimation with 95% confidence interval, for each indicator, for each French region, for week 2018w44.

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*The " Réseau Sentinelles" or Sentinelles Network
(a.k.a. French Communicable Diseases Computer Network)
is a network of 1,441 physicians working throughout the metropolitan regions of
France including 577 involved in the clinical surveillance activity
(461 general practitioners and 116 pediatricians)
enabling the achievement of weekly newsletters.
This network is developed within an agreement
between Inserm, Sorbonne Université and Santé publique France.*

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Deputy head of RS: Thierry Blanchon
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Souty, Clément Turbelin, Ana Vilcu
Publication: Yves Dorléans, Corentin Hervé

Regional branch	Head of network	Regional manager
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Centre Val de Loire / Hauts-de-France	Thierry Prazuck	Charly Kengne- Kuetche Mathieu Rivière
Ile-de-France	Mathilde François	Lucie Fournier
Méditerranée : Corse / Occitanie / Provence-Alpes-Côte d'Azur	Jean-Pierre Amoros Alessandra Falchi	Shirley Masse Natacha Villechenaud

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* Incidence rates estimate are calculated on the activity of general practitioners.