

Sentinelles network report from 10/17/2018, n° 2018w41 (data from 10/08/2018 to 10/14/2018)

ACUTE DIARRHEA

Moderate activity in general practice

In metropolitan France, last week (2018w41), the incidence rate of Acute diarrhea seen in general practice was estimated at 120 cases per 100,000 inhabitants (95% CI [103 ; 137]), below the epidemic threshold (143 cases per 100,000 inhabitants) [1].

At the regional level, the highest incidence rates were noted in: Pays de la Loire (147 cases per 100,000 inhabitants, 95% CI [53 ; 241]), Provence-Alpes-Côte d'Azur (147, 95% CI [66 ; 228]), Ile-de-France (140, 95% CI [61 ; 219]) and Grand Est (126, 95% CI [71 ; 181]). *

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

INFLUENZA-LIKE ILLNESS

Low activity in general practice

Clinical monitoring: In metropolitan France, last week (2018w41), the incidence rate of Influenza-like illness seen in general practice was estimated at 13 cases per 100,000 inhabitants (95% CI [8 ; 18]).

At the regional level, the highest incidence rates were noted in: Normandie (46 cases per 100,000 inhabitants, 95% CI [1 ; 91]), Grand Est (41, 95% CI [0 ; 118]) and Pays de la Loire (30, 95% CI [0 ; 78]).

Virological monitoring: Since week 2018w40, 34 patients were swabbed by Sentinelles physicians (21 by GPs and 13 by paediatricians). Among the samples tested (n=34), none was positive for any influenza viruses.

Among the samples tested for other respiratory viruses, 41.2% (n=14) were positive for the rhinovirus (hRV), 3.4% (n=1) were positive for the respiratory syncytial virus (RSV) and none was positive for the metapneumovirus (hMPV).

The samples were analysed by the National Center of Reference for *influenzae* viruses (Institut Pasteur Paris, Hospices Civils de Lyon) and by the Laboratory of Virology of Université de Corse.

[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 (2018w41), the incidence rate of Chickenpox seen in general practice was estimated at 5 cases per 100,000 inhabitants (95% CI [1 ; 9]). *

Few low intensity clusters were reported.

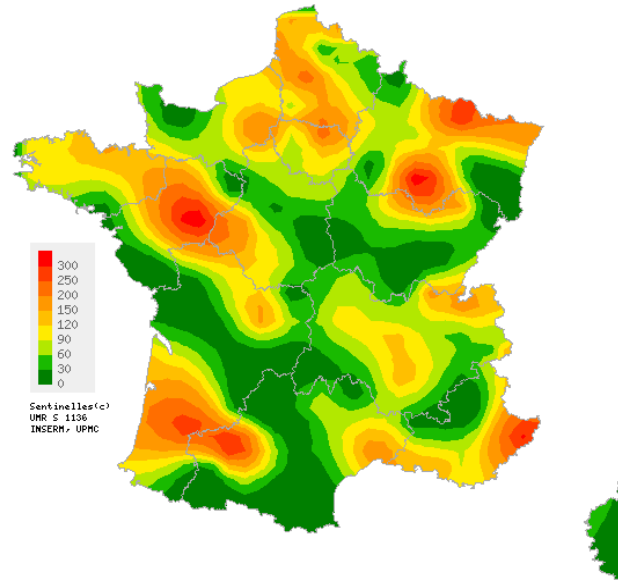
[More information about chickenpox Sentinelles surveillance](#)

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

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

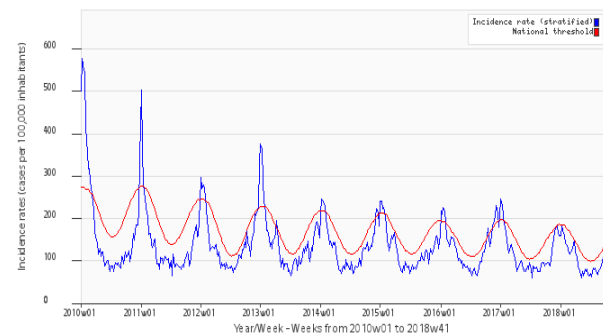
[1] Costagliola D, et al. A routine tool for detection and assessment of epidemics of influenza-like syndromes in France. *Am J Public Health*. 1991;81(1):97-9.

ACUTE DIARRHEA



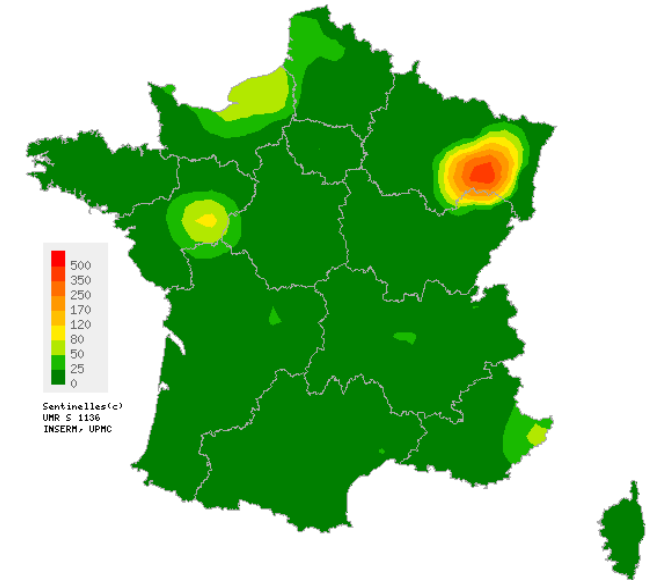
Map of spatial data interpolation based on incidence rates at the « département » (NUTS 3) level, (per 100,000 inhabitants), Acute diarrhea, Sentinelles general practitioners, 2018w41
[Maps available at http://www.sentiweb.fr](http://www.sentiweb.fr)

Sentinelles Network, Acute diarrhea, Metropolitan France



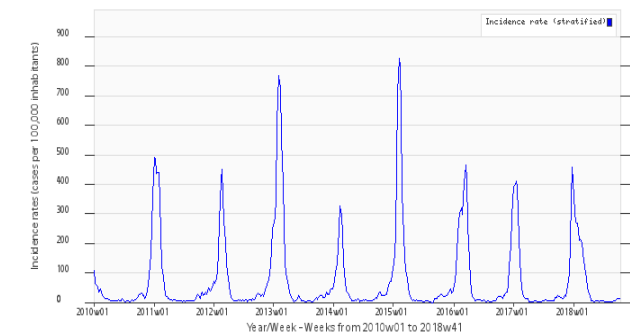
Incidence rate in blue, epidemic threshold in red calculated by a periodic regression model [1] (per 100,000 inhabitants), Acute diarrhea, Sentinelles general practitioners

INFLUENZA-LIKE ILLNESS



Map of spatial data interpolation based on incidence rates at the « département » (NUTS 3) level, (per 100,000 inhabitants), Influenza-like illness, Sentinelles general practitioners, 2018w41
[Maps available at http://www.sentiweb.fr](http://www.sentiweb.fr)

Sentinelles Network, Influenza-like illness, Metropolitan France



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

National incidence rates (per 100,000 inhabitants) over the past 3 weeks	2018w41 (non consolidated)	2018w40	2018w39
	Incidence rate estimation [95% confidence interval]	Incidence rate estimation [95% confidence interval]	Incidence rate estimation [95% confidence interval]
INFLUENZA-LIKE ILLNESS	13 [8 ; 18]	11 [7 ; 15]	11 [7 ; 15]
ACUTE DIARRHEA	120 [103 ; 137]	117 [103 ; 131]	110 [96 ; 124]
CHICKENPOX	5 [1 ; 9]	6 [3 ; 9]	4 [1 ; 7]

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

Regional incidence rates for week 2018w41 (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	10 [0 ; 21]	101 [65 ; 137]	0 [0 ; 0]
Bourgogne-Franche-Comté	2 [0 ; 7]	42 [4 ; 80]	2 [0 ; 8]
Bretagne	0 [0 ; 0]	116 [42 ; 190]	8 [0 ; 25]
Centre-Val de Loire	8 [0 ; 19]	83 [46 ; 120]	10 [0 ; 23]
Corse	0 [0 ; 0]	27 [0 ; 72]	0 [0 ; 0]
Grand Est	41 [0 ; 118]	126 [71 ; 181]	3 [0 ; 12]
Hauts-de-France	10 [0 ; 43]	109 [55 ; 163]	0 [0 ; 0]
Ile-de-France	16 [0 ; 32]	140 [61 ; 219]	7 [0 ; 17]
Normandie	46 [1 ; 91]	97 [41 ; 153]	7 [0 ; 21]
Nouvelle-Aquitaine	9 [0 ; 22]	79 [31 ; 127]	5 [0 ; 19]
Occitanie	6 [0 ; 16]	88 [48 ; 128]	0 [0 ; 0]
Pays de la Loire	30 [0 ; 78]	147 [53 ; 241]	0 [0 ; 0]
Provence-Alpes-Côte d'Azur	13 [0 ; 31]	147 [66 ; 228]	6 [0 ; 18]

Table 2 : Incidence rates* estimation with 95% confidence interval, for each indicator, for each French region, for week 2018w41.

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*The " Réseau Sentinelles" or Sentinelles Network
(a.k.a. French Communicable Diseases Computer Network)
is a network of 1,446 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
Monitoring managers: Marion Debin, Caroline Guerrisi, Louise Rossignol,
Laetitia Vaillant
Information systems, biostatistics: Corentin Hervé, Titouan Launay, Cécile
Souty, Clément Turbelin, Ana Vilcu
Publication: Yves Dorléans, Corentin Hervé

Regional branch	Head of network	Regional manager
Auvergne-Rhône-Alpes / Bourgogne-Franche-Comté	Marianne Sarazin	Caroline Liotard
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.