

## Sentinelles network report from 09/19/2018, n° 2018w37 (data from 09/10/2018 to 09/16/2018)

### ACUTE DIARRHEA

#### Moderate activity in general practice

In metropolitan France, last week (2018w37), the incidence rate of acute diarrhea seen in general practice was estimated at 110 cases per 100,000 inhabitants (95% CI [92 ; 128]), **below** the epidemic threshold (123 cases per 100,000 inhabitants) [1].

At the regional level, the highest incidence rates were noted in: Provence-Alpes-Côte d'Azur (186 cases per 100,000 inhabitants, 95% CI [74 ; 298]), Grand Est (165, 95% CI [92 ; 238]) and Hauts-de-France (126, 95% CI [67 ; 185]). \*

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

### INFLUENZA-LIKE ILLNESS

#### Low activity in general practice

In metropolitan France, last week (2018w37), the incidence rate of influenza-like illness seen in general practice was estimated at 8 cases per 100,000 inhabitants (95% CI [3 ; 13]).

At the regional level, the highest incidence rates were noted in: Corse (23 cases per 100,000 inhabitants, 95% CI [0 ; 65]), Bretagne (18, 95% CI [0 ; 49]) and Auvergne-Rhône-Alpes (9, 95% CI [0 ; 22]). \*

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

### CHICKENPOX

#### Low activity in general practice

In metropolitan France, last week (2018w37), the incidence rate of chickenpox seen in general practice was estimated at 2 cases per 100,000 inhabitants (95% CI [0 ; 4]).

A single high regional cluster was noted, in Corse (42 cases per 100,000 inhabitants, 95% CI [0 ; 99]). \*

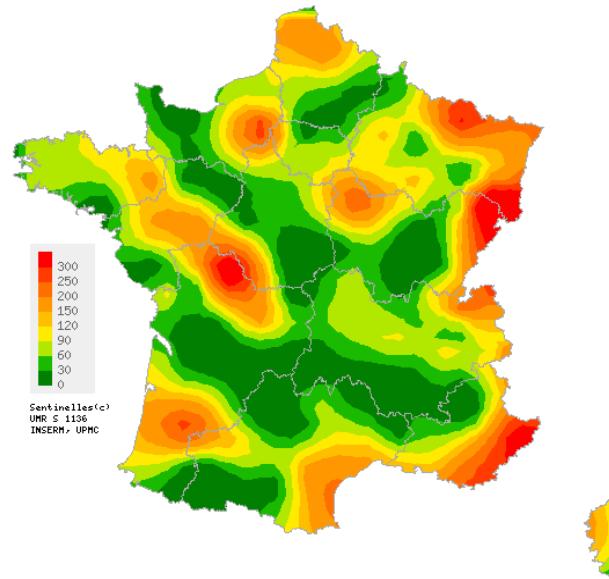
[More information about chickenpox Sentinelles surveillance](#)

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

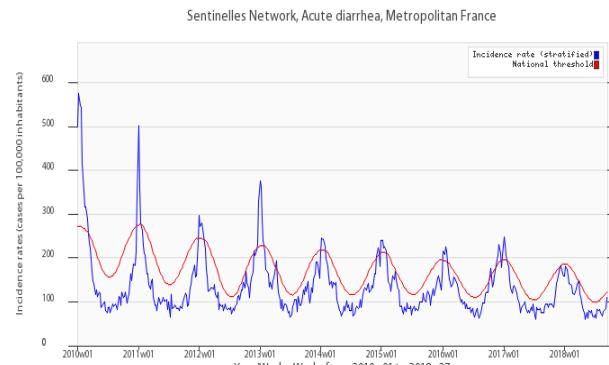
\* The regional data are presented at the end of this report.

[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

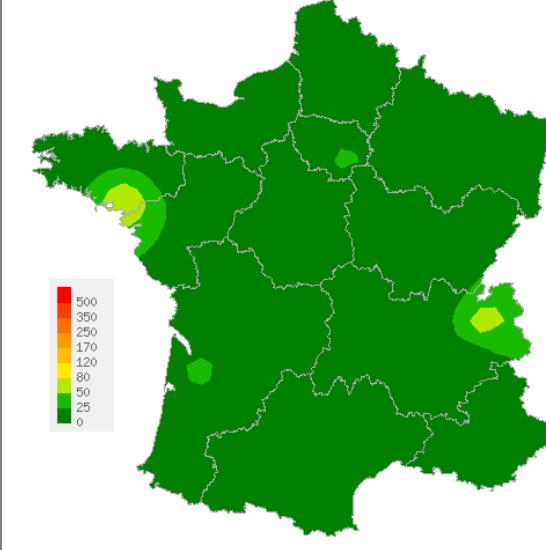


Map of spatial data interpolation based on incidence rates at the « département » (NUTS 3) level, (per 100,000 inhabitants), acute diarrhea, Sentinelles general practitioners, 2018w37  
[Maps available at http://www.sentiweb.fr](http://www.sentiweb.fr)

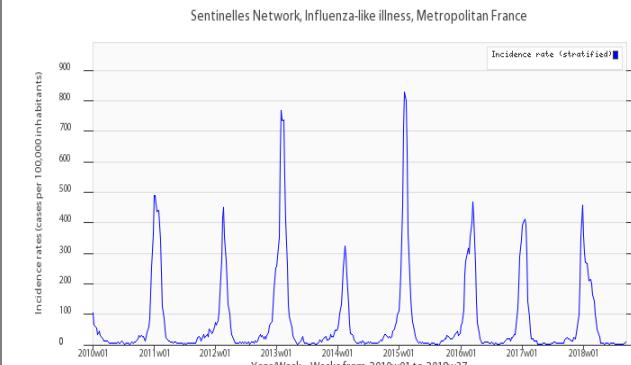


Incidence rate in blue,  
epidemic threshold in red calculated by a periodic regression model [1]  
(per 100,000 inhabitants), acute diarrhea , Sentinelles general practitioners

### 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, 2018w37  
[Maps available at http://www.sentiweb.fr](http://www.sentiweb.fr)



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	2018w37 (non consolidated)	2018w36	2018w35
	Incidence rate estimation [95% confidence interval]	Incidence rate estimation [95% confidence interval]	Incidence rate estimation [95% confidence interval]
INFLUENZA-LIKE ILLNESS	8 [3 ; 13]	5 [2 ; 8]	2 [0 ; 4]
ACUTE DIARRHEA	110 [92 ; 128]	84 [71 ; 97]	81 [68 ; 94]
CHICKENPOX	2 [0 ; 4]	1 [0 ; 2]	1 [0 ; 3]

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

Regional incidence rates for week 2018w37 (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	9 [0 ; 22]	86 [50 ; 122]	0 [0 ; 0]
Bourgogne-Franche-Comté	0 [0 ; 0]	87 [35 ; 139]	1 [0 ; 4]
Bretagne	18 [0 ; 49]	100 [30 ; 170]	0 [0 ; 0]
Centre-Val de Loire	0 [0 ; 0]	33 [5 ; 61]	0 [0 ; 0]
Corse	23 [0 ; 65]	116 [23 ; 209]	42 [0 ; 99]
Grand Est	2 [0 ; 7]	165 [92 ; 238]	2 [0 ; 7]
Hauts-de-France	6 [0 ; 19]	126 [67 ; 185]	7 [0 ; 20]
Ile-de-France	5 [0 ; 10]	45 [16 ; 74]	0 [0 ; 0]
Normandie	0 [0 ; 0]	105 [37 ; 173]	4 [0 ; 14]
Nouvelle-Aquitaine	8 [0 ; 25]	86 [19 ; 153]	0 [0 ; 0]
Occitanie	8 [0 ; 21]	81 [37 ; 125]	0 [0 ; 0]
Pays de la Loire	6 [0 ; 18]	99 [16 ; 182]	0 [0 ; 0]
Provence-Alpes-Côte d'Azur	0 [0 ; 0]	186 [74 ; 298]	0 [0 ; 0]

Table 2 : Incidence rates\* estimation with 95% confidence interval, for each indicator, for each French region, for week 2018w37.

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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 579 involved in the clinical surveillance activity  
(463 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.

**Head of RS:** Thomas Hanslik

**Deputy head of RS:** Thierry Blanchon

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**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.