

## Acute diarrhea, Influenza-like illness and Chickenpox

Results from the electronic surveillance of communicable diseases from 10/20/2014 to 10/26/2014:

### ACUTE DIARRHEA Moderate activity

**In metropolitan France**, last week, the incidence rate of Acute diarrhea seen in general practice was estimated at 138 cases per 100,000 inhabitants (95% CI [113 ; 163]), **below** the epidemic threshold (213 cases per 100,000 inhabitants) [1]. \*

[More information about this surveillance](#)

### INFLUENZA-LIKE ILLNESS Low activity

**In metropolitan France**, last week, the incidence rate of Influenza-like illness seen in general practice was estimated at 26 cases per 100,000 inhabitants (95% CI [16 ; 36]), **below** the epidemic threshold (124 cases per 100,000 inhabitants) [1]. \*

[More information about this surveillance](#)

### CHICKENPOX Low activity

**In metropolitan France**, last week, the incidence rate of Chickenpox seen in general practice was estimated at 17 cases per 100,000 inhabitants (95% CI [9 ; 25]).

**Seven regional clusters** were reported, **high** in Alsace (75 cases per 100,000 inhabitants), Centre (46) and Provence-Alpes-Côte-d'Azur (40) and **moderate** in Auvergne (25), Bourgogne (23), Champagne-Ardenne (22) and Haute-Normandie (21). \*

[More information about this surveillance](#)

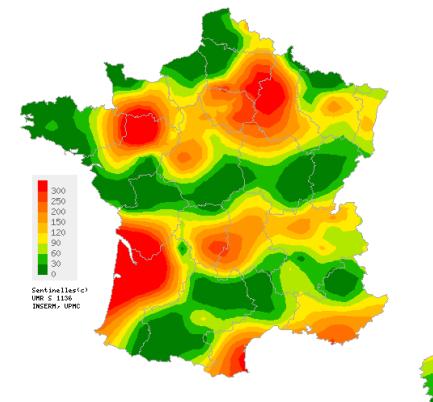
The Sentinelles network team

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

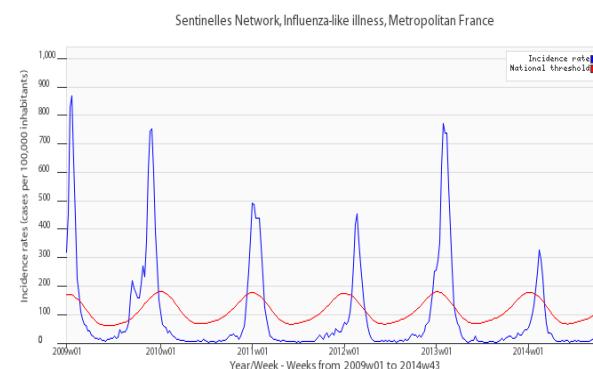
[1] Costagliola D, et al. A routine tool for detection and assessment of epidemics of influenza-like syndromes in France. Am J Public Health. 1991;81(1):97-9.

### ACUTE DIARRHEA

Observations for Acute diarrhea  
Week 2014w43 (in cases per 100,000 inhabitants)



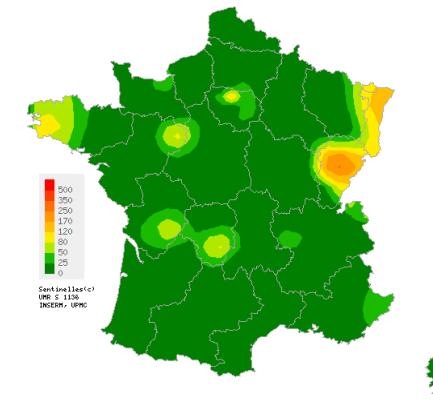
Map of spatial data interpolation based on incidence rates at the « département » (NUTS 3) level.  
Maps available at <http://www.sentiweb.fr>



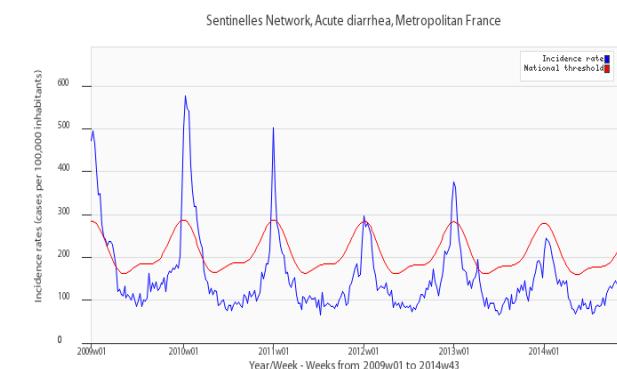
Incidence rate in blue,  
epidemic threshold in red calculated by a periodic regression model [1]  
(in cases per 100,000 inhabitants).

### INFLUENZA-LIKE ILLNESS

Observations for Influenza-like illness  
Week 2014w43 (in cases per 100,000 inhabitants)



Map of spatial data interpolation based on incidence rates at the « département » (NUTS 3) level.  
Maps available at <http://www.sentiweb.fr>



Incidence rate in blue,  
epidemic threshold in red calculated by a periodic regression model [1]  
(in cases per 100,000 inhabitants).

| National incidence rates<br>(per 100 000 inhabitants)<br>over the past 3 weeks | 2014w43 (non consolidated)                             | 2014w42  | 2014w41  |
|--|--|--|--|
|  | Incidence rate estimation<br>[95% confidence interval] | Incidence rate estimation<br>[95% confidence interval] | Incidence rate estimation<br>[95% confidence interval] |
| INFLUENZA-LIKE ILLNESS   | 26 [16 ; 36]   | 34 [25 ; 43]   | 35 [25 ; 45]   |
| ACUTE DIARRHEA   | 138 [113 ; 163]  | 145 [126 ; 164]  | 137 [119 ; 155]  |
| CHICKENPOX   | 17 [9 ; 25]  | 12 [7 ; 17]  | 12 [7 ; 17]  |

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

| Regional incidence rates<br>for week 2014w43<br>(per 100 000 inhabitants) | INFLUENZA-LIKE ILLNESS                                 | ACUTE DIARRHEA   | CHICKENPOX   |
|---|--|--|--|
|   | Incidence rate estimation<br>[95% confidence interval] | Incidence rate estimation<br>[95% confidence interval] | Incidence rate estimation<br>[95% confidence interval] |
| Alsace  | 137 [0 ; 285]  | 114 [0 ; 237]  | 75 [0 ; 193]   |
| Aquitaine   | 0 [0 ; 0]  | 407 [0 ; 929]  | 0 [0 ; 0]  |
| Auvergne  | 2 [0 ; 10]   | 149 [0 ; 498]  | 25 [0 ; 81]  |
| Basse-Normandie   | 20 [0 ; 62]  | 92 [11 ; 173]  | 0 [0 ; 0]  |
| Bourgogne   | 0 [0 ; 0]  | 37 [0 ; 87]  | 23 [0 ; 62]  |
| Bretagne  | 28 [0 ; 89]  | 86 [13 ; 159]  | 18 [0 ; 48]  |
| Centre  | 5 [0 ; 19]   | 122 [52 ; 192]   | 46 [8 ; 84]  |
| Champagne-Ardenne   | 0 [0 ; 0]  | 246 [96 ; 396]   | 22 [0 ; 64]  |
| Corse   | 11 [0 ; 41]  | 90 [8 ; 172]   | 3 [0 ; 18]   |
| Franche-Comté   | 159 [0 ; 400]  | 17 [0 ; 62]  | 0 [0 ; 0]  |
| Haute-Normandie   | 0 [0 ; 0]  | 24 [0 ; 78]  | 21 [0 ; 72]  |
| Ile-de-France   | 43 [15 ; 71]   | 193 [118 ; 268]  | 8 [0 ; 17]   |
| Languedoc-Roussillon  | 0 [0 ; 0]  | 96 [25 ; 167]  | 0 [0 ; 0]  |
| Limousin  | 33 [0 ; 103]   | 155 [7 ; 303]  | 0 [0 ; 0]  |
| Lorraine  | 0 [0 ; 0]  | 75 [0 ; 169]   | 4 [0 ; 16]   |
| Midi-Pyrénées   | 12 [0 ; 40]  | 48 [0 ; 104]   | 0 [0 ; 0]  |
| Nord-Pas-de-Calais  | 7 [0 ; 29]   | 92 [13 ; 171]  | 17 [0 ; 51]  |
| Pays-de-la-Loire  | 17 [0 ; 49]  | 124 [42 ; 206]   | 0 [0 ; 0]  |
| Picardie  | 0 [0 ; 0]  | 95 [0 ; 335]   | 0 [0 ; 0]  |
| Poitou-Charentes  | 17 [0 ; 105]   | 34 [0 ; 158]   | 0 [0 ; 0]  |
| Provence-Alpes-Côte-d'Azur  | 11 [0 ; 32]  | 163 [20 ; 306]   | 40 [0 ; 118]   |
| Rhône-Alpes   | 9 [0 ; 21]   | 135 [59 ; 211]   | 13 [0 ; 28]  |

Table 2 : Incidence rates estimation with 95% confidence interval, for each indicator, for each French regions, for week 2014w43 .

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*The " Réseau Sentinelles " or Sentinelles Network  
(a.k.a. French Communicable Diseases Computer Network)  
is a network of general practitioners,  
working throughout the metropolitan regions of France.*

*This group includes 1267 physicians, including 370 involved in the clinical surveillance activity, enabling the achievement of weekly newsletters.  
This network is developed in cooperation between Inserm, Université Pierre et Marie Curie (UPMC) and the Institut de Veille Sanitaire (InVS).*

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