

## Acute diarrhea, Influenza-like illness and Chickenpox

Results from the electronic surveillance of communicable diseases from 09/15/2014 to 09/21/2014:

### ACUTE DIARRHEA

#### Low activity

In metropolitan France, last week, the incidence rate of Acute diarrhea seen in general practice was estimated at 120 cases per 100,000 inhabitants (95% CI [98 ; 142]), **below** the epidemic threshold (185 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 18 cases per 100,000 inhabitants (95% CI [9 ; 27]), **below** the epidemic threshold (97 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 2 cases per 100,000 inhabitants (95% CI [0 ; 5]).

**No regional cluster reported.** \*

[More information about this surveillance](#)

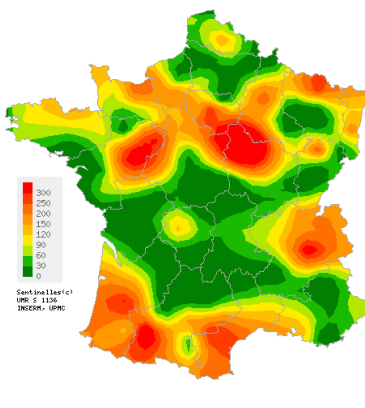
The Sentinelles network team

\* 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.

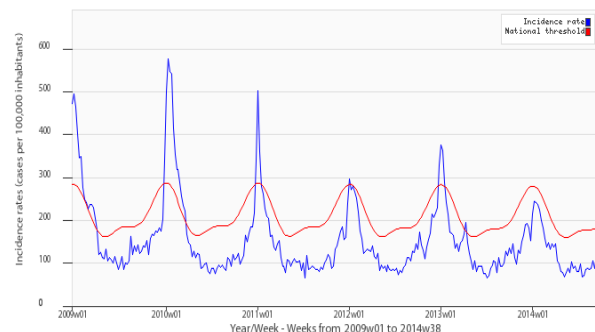
### ACUTE DIARRHEA

Observations for Acute diarrhea  
Week 2014w38 (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>

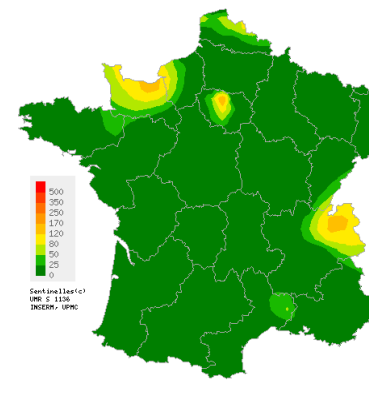
Sentinelles Network, Acute diarrhea, Metropolitan France



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

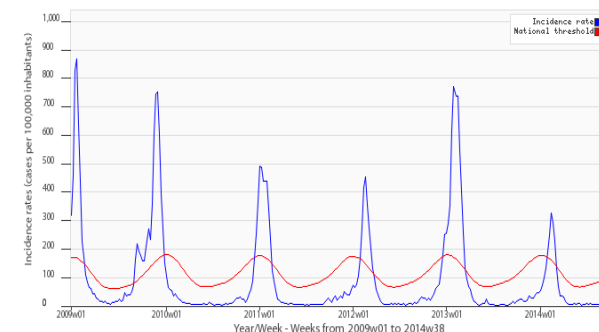
### INFLUENZA-LIKE ILLNESS

Observations for Influenza-like illness  
Week 2014w38 (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>

Sentinelles Network, Influenza-like illness, Metropolitan France



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 | 2014w38 (non consolidated)                             | 2014w37                                                | 2014w36                                                |
|--------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
|                                                                                | Incidence rate estimation<br>[95% confidence interval] | Incidence rate estimation<br>[95% confidence interval] | Incidence rate estimation<br>[95% confidence interval] |
| INFLUENZA-LIKE ILLNESS                                                         | 18 [9 ; 27]                                            | 12 [6 ; 18]                                            | 8 [3 ; 13]                                             |
| ACUTE DIARRHEA                                                                 | 120 [98 ; 142]                                         | 115 [97 ; 133]                                         | 88 [72 ; 104]                                          |
| CHICKENPOX                                                                     | 2 [0 ; 5]                                              | 2 [0 ; 4]                                              | 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<br>for week 2014w38<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                                                                    | 0 [0 ; 0]                                              | 138 [15 ; 261]                                         | 0 [0 ; 0]                                              |
| Aquitaine                                                                 | 0 [0 ; 0]                                              | 94 [3 ; 185]                                           | 0 [0 ; 0]                                              |
| Auvergne                                                                  | 0 [0 ; 0]                                              | 33 [0 ; 117]                                           | 0 [0 ; 0]                                              |
| Basse-Normandie                                                           | 107 [0 ; 216]                                          | 174 [38 ; 310]                                         | 0 [0 ; 0]                                              |
| Bourgogne                                                                 | 0 [0 ; 0]                                              | 192 [34 ; 350]                                         | 0 [0 ; 0]                                              |
| Bretagne                                                                  | 11 [0 ; 32]                                            | 85 [22 ; 148]                                          | 0 [0 ; 0]                                              |
| Centre                                                                    | 0 [0 ; 0]                                              | 109 [43 ; 175]                                         | 0 [0 ; 0]                                              |
| Champagne-Ardenne                                                         | 0 [0 ; 0]                                              | 146 [0 ; 383]                                          | 0 [0 ; 0]                                              |
| Corse                                                                     | 3 [0 ; 17]                                             | 90 [0 ; 184]                                           | 7 [0 ; 28]                                             |
| Franche-Comté                                                             | 0 [0 ; 0]                                              | 51 [0 ; 121]                                           | 0 [0 ; 0]                                              |
| Haute-Normandie                                                           | 0 [0 ; 0]                                              | 67 [0 ; 168]                                           | 0 [0 ; 0]                                              |
| Ile-de-France                                                             | 62 [11 ; 113]                                          | 122 [47 ; 197]                                         | 0 [0 ; 0]                                              |
| Languedoc-Roussillon                                                      | 19 [0 ; 54]                                            | 178 [76 ; 280]                                         | 0 [0 ; 0]                                              |
| Limousin                                                                  | 0 [0 ; 0]                                              | 80 [0 ; 201]                                           | 0 [0 ; 0]                                              |
| Lorraine                                                                  | 0 [0 ; 0]                                              | 143 [0 ; 339]                                          | 0 [0 ; 0]                                              |
| Midi-Pyrénées                                                             | 0 [0 ; 0]                                              | 109 [32 ; 186]                                         | 0 [0 ; 0]                                              |
| Nord-Pas-de-Calais                                                        | 57 [0 ; 129]                                           | 92 [4 ; 180]                                           | 0 [0 ; 0]                                              |
| Pays-de-la-Loire                                                          | 0 [0 ; 0]                                              | 163 [40 ; 286]                                         | 12 [0 ; 38]                                            |
| Picardie                                                                  | 0 [0 ; 0]                                              | 29 [0 ; 79]                                            | 0 [0 ; 0]                                              |
| Poitou-Charentes                                                          | 0 [0 ; 0]                                              | 0 [0 ; 0]                                              | 0 [0 ; 0]                                              |
| Provence-Alpes-Côte-d'Azur                                                | 0 [0 ; 0]                                              | 88 [0 ; 211]                                           | 0 [0 ; 0]                                              |
| Rhône-Alpes                                                               | 29 [0 ; 64]                                            | 179 [104 ; 254]                                        | 8 [0 ; 24]                                             |

Table 2 : Incidence rates estimation with 95% confidence interval, for each indicator, for each French regions, for week 2014w38 .

**Réseau Sentinelles**  
**Inserm-UPMC UMR-S 1136**  
**Institut Pierre Louis d'Epidémiologie et de Santé Publique (IPLESP)**  
**Faculté de Médecine Pierre et Marie Curie, site Saint-Antoine**  
**27, rue Chaligny / 75571 Paris cedex 12**  
Phone. : 01 44 73 84 35 / Fax : 01 44 73 84 54  
Email : [sentinelles@upmc.fr](mailto:sentinelles@upmc.fr)

*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 1260 physicians, including 343 involved in the clinical  
surveillance activity, enabling the achievement of weekly newsletters.  
This network is developped in cooperation between Inserm, Université  
Pierre et Marie Curie (UPMC) and the Institut de Veille Sanitaire (InVS).*

**Manager :** Dominique Costagliola - Guy Thomas  
**Head of RS :** Thomas Hanslik  
**Deputy head of RS :** Thierry Blanchon  
**Electronic surveillance system manager :** Victoire Roussel  
**Information systems, biostatistics :** Clément Turbelin  
**Editor :** Yves Dorléans

| Regional branch                                   | Head of network    | Regional manager                               |
|---------------------------------------------------|--------------------|------------------------------------------------|
| <b>Méditerranée</b>                               | Jean-Pierre Amoros | Laetitia Minodier<br>Alessandra Falchi         |
| <b>Auvergne<br/>Rhône-Alpes<br/>Midi-Pyrénées</b> | Marianne Sarazin   | Solange Gonzalez-<br>Chiappe<br>Mélina Jacquet |
| <b>Nord-Pas-de-Calais<br/>Centre</b>              | Thierry Prazuck    | Mathieu Rivière                                |

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