

Guidelines title [In English]

**Piano di Sorveglianza e risposta al virus della West Nile e Usutu – Regione Lazio – 2019**  
**[Surveillance and response plan for West Nile and Usutu – Lazio Region – 2019]**

Year of edition

2019

Summary

Objectives:

The document updates and substitutes the previous plan (2018) according to the new (2019) national plan for the prevention, surveillance and response to West Nile and Usutu viruses. This plan specifies and defines roles and competences of the regional public health institutions (region Lazio) with respect to Usutu and West Nile surveillance and response. Its objectives are the integration at Regional level of the National plan, providing guidance for its implementation.

Targeted mosquito species:

Vectors of West Nile and Usutu. In particular *Culex pipiens*.

Methods:

- Surveillance methods:

Surveillance scaled from high to low risk province.

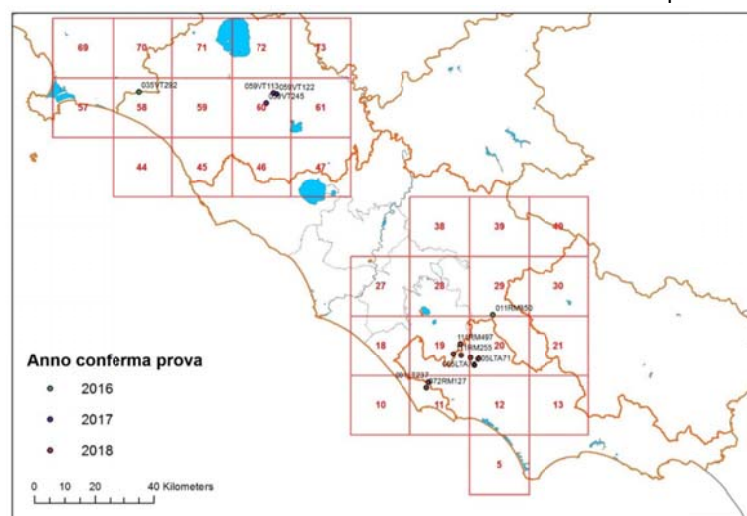
High risk:

1. Surveillance on alive and dead birds (target species) to identify viral circulation
2. Entomological surveillance
3. Human cases surveillance
4. Horse cases surveillance (only WNV)

In low risk area, item 1 can be substituted by random sampling of poultry farms.

The plan provides case definition, reporting and test procedures for human cases as well as procedure for the response actions (e.g. how to handle samples, guidance for blood donors). Bird surveillance is organised in cells of 40x40km, sampling 100 birds every 2 weeks per cell up to November (starts as early as possible).

Entomological surveillance in selected cells of 20x20Km. Criteria to select cells: Cell and neighbouring cells with WNV cases in the last five years (30 cell identified). Cells discarded when 90% of it is in the sea (n=3). Twelve traps available (CDC with CO<sub>2</sub> or gravid trap), thus they select 8 cells for 2018 cases and 4 for 2016 and 2017 cases. Others cells will be monitored when more traps are available.



- Risk level ranking:  
Two levels for areas: high and low risk province (cases in previous year vs. no cases).  
Three levels for cells: high, medium, low priority cells (presence of WNV cases in 2018, 2016-2017, earlier).
- Period of activation: entomological surveillance April – November, one night every 15 days (2 week).
- Other: -

Audience: Regional public health institutions, regional and local stakeholders, citizens.

Scale (national/local): Local (one Italian region).

Technical annexes: No

Specificities: Integration at Regional level of the National plan.