

Guidelines title [In English]

Piano Regionale di Sorveglianza e Controllo delle Arbovirosi - Anno 2019 [Emilia-Romagna regional plan for the surveillance and control of arboviruses]

Year of edition

2019

Summary

Objectives:

- To coordinate the entomological, public health and veterinary activities aiming at the prevention and control of arboviruses such as chikungunya, dengue, Zika, West Nile, Usutu, Toscana encephalitis, Tick-borne encephalitis, Yellow fever, Japanese encephalitis, Rift valley fever and Hantavirus.

Targeted mosquito species: *Aedes albopictus* & *Culex pipiens*

Methods:

- Surveillance methods:
 - *Aedes albopictus*: a regional surveillance system by ovitraps is in place since 2008.
 - *Culex pipiens*: a regional surveillance network by CO₂ traps is operated since 2010 for the West Nile surveillance.
- Risk level ranking:
 - Epidemiological risk assessment has been developed considering the *Aedes albopictus* egg density (see Carrieri M., Angelini P., Venturelli C., Maccagnani B., Bellini R., 2012. *Aedes albopictus* (Diptera: Culicidae) population size survey in the 2007 Chikungunya outbreak area in Italy. II: estimating epidemic thresholds. J Med Entomol 49 (2): 388-399, DOI: <http://dx.doi.org/10.1603/ME10259>).
 - No risk assessment has been developed for the other arboviruses.
- Period of activation:

The plan is operating the whole year with outdoor specific activities carried out during the vector season only.
- Other: -

Audience: The document is mainly targeting the Public Health Services, Hospitals and Public administrations.

Scale (national/local): Regional.

Technical annexes: -

Specificities: The Emilia-Romagna regional plan for the surveillance and control of arboviruses recall the national plan 2020-2025