

Guidelines title [In English]

Protocol per a la vigilància i el control de les arbovirosis importades transmeses per mosquits a Catalunya

[Protocol for the surveillance and control of arboviruses transmitted by mosquitoes in Catalonia]

Year of edition

2019

Summary

Objectives: To provide guidance for the surveillance of the most probable imported arboviruses transmitted by mosquito vector species in Catalonia (Spain).

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

Methods:

- Surveillance methods:
Detection of arbovirosis cases (imported or local) in humans throughout Public Health care system.
Entomological survey to be implemented in every case, including larval breeding sites and adult populations using nets, dippers and mosquito traps (BG mostly with or without CO₂).
- Risk level ranking:
0, none: Out of season, no mosquitoes, but possibly cases of travelers.
1, remote: Favorable climatology, presence of mosquitoes but not viremic case while in Catalonia.
2, possible: Favorable climatology, presence of mosquitoes and viremic case in Catalonia.
3, probable: Favorable climatology, presence of mosquitoes and 1 autochthonous case in Catalonia.
4, outbreak: Level 3 plus more than one case.
5, epidemic, endemic: Large number of cases, wide geographic distribution.
- Period of activation:
From June 1st to mid-November.
- Other:
It is intended mostly to human cases of dengue, Chikungunya and Zika but also includes WNV.

Audience: For professionals but is published on Health Department web with no restrictions.

Scale (national/local): Autonomous region of Catalonia (Spain).

Technical annexes: Risk level ranking; Communication procedures; List of different local epidemic surveillance agencies; Forms to be used with this protocol.

Specificities: Written by Health Department of Catalonia with the participation of all institutions involved, including the public mosquito control services. Updated almost every two years or if there is any important change.