



## Biosecurity Vector Program

Avisure will assist clients meet their obligation under Biosecurity Act 2015 and International Health Regulations 2005 through:

- Vector surveillance
- Treatment
- Best Practice Advice



## Mosquito Vector Control Programs at First Port of Entry for the International Arrival of People and Goods in Australia

Vector-borne diseases (such as malaria, dengue, chikungunya, Zika virus, yellow fever) are reported in over 100 countries and put up to 60% of the world's population at risk of infection; more than 500 million cases are reported each year (WHO 2014). International travel and transport play an important role in the rapid spread of vector-borne diseases all over the world as borders become more porous and the speed and extent of travel and shipping increase, so too does the potential of the spread of reservoirs and pathogens related to vector-borne diseases.

The International Health Regulations (2005) (IHR) are designed to prevent the international spread of infectious diseases while avoiding interference with international traffic and trade. As a Member State of the World Health Organization (WHO), Australia is obliged to comply with the IHR through ensuring its states and territories are making necessary efforts to ensure effective vector surveillance and control at First Port of Entry (FPoE), and on conveyances. Many airports around Australia operate as FPoE for the international arrival of people and goods into Australia. These FPoE are required to have surveillance processes in place to detect exotic mosquitoes. The detection of exotic mosquitoes is considered a risk as they are a vector for disease transmission to humans.

Avisure endeavours to assist its clients to meet their obligation under Biosecurity Act 2015 and International Health Regulations 2005 through vector surveillance, treatment and best practice advice to safeguard Australia's economy, health and environment.

Avisure uses a number of methods and expertise to conduct vector surveillance for clients. Our Vector Control Programs identify mosquito adults and larvae within a 400m proximity to the FPoE. We analyse the results and forward weekly reports and risk management recommendation to our airport client and the Australian Government Department of Agriculture, Water and the Environment. This ensures vector control measures are put in place as soon as possible.



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