

Information topic	Details
Indicator name	<b>Exotic mosquito species established in New Zealand</b>
Domain and topic	Border health
Indicator definition and units	Annual number of exotic mosquito species established their distribution in New Zealand.
Data source(s)	New Zealand BioSecure Entomology Laboratory (NZ BioSecure) online reporting of endemic New Zealand mosquitoes. Personal Contact at NZ BioSecure.
Numerator	N / A
Denominator	N / A
Methodology	<p>Personal contact at NZ BioSecure confirms the number of exotic mosquito species in New Zealand is up-to-date along. Distribution of each species determined using NZ BioSecure trapping data from all major ports and sites across the country.</p> <p>Information supplemented by research published within the past 5 years on the topics of mosquito distributions and efficacy as vectors for various mosquito-borne disease (MBD).</p> <p>'High-risk' exotic mosquitos which pose a threat to New Zealand were determined based on:</p> <ul style="list-style-type: none"> <li>- Efficacy as transmitters of MBDs identified by the yearly review of priority border health diseases.</li> <li>- Distribution globally with emphasis placed on South-East Asia, Pacific Islands and Australia.</li> <li>- Affinity for biting humans and surviving in man-made structures.</li> <li>- Interceptions of species at ports across New Zealand since 2001.</li> </ul>
Time period and time scale	N / A
Population coverage	Total
Spatial Coverage	National
Measures of frequency	<ul style="list-style-type: none"> <li>- Number of exotic mosquito species established in New Zealand</li> <li>- Regional distribution of exotic mosquito species (if available/known)</li> </ul>
Limitations of indicator	Annual numbers are anticipated to be low which makes statistical

## Metadata

	trend analysis difficult. However, the introduction of an exotic mosquito species to New Zealand is an important public health event and informs New Zealand border health risk.
Limitations of data source	Records are limited by the scope of New Zealand's mosquito surveillance programmes. It is possible that other exotic mosquito introductions have occurred which have not been detected.
For more information	<a href="#">New Zealand mosquitos</a>