

Information topic	Details
Indicator name	Overseas infectious diseases of priority concern to New Zealand
Domain and topic	Border Health
Indicator definition and units	<p>Annual overseas distribution of border health priority disease outbreaks* (classified as a Public Health Emergency of International Concern (PHEIC) and priority notifiable respiratory and vector-borne diseases) with focus on the Asia-Pacific region.</p> <p>*Disease priorities should be identified by annual risk assessment (<i>Jefferies 2016 BHI Development report</i>)</p>
Data source	<ul style="list-style-type: none"> - World Health Organization. Global Alert Response dataset: http://www.who.int/csr/don/archive/year/en/ - World Health Organization. Extranet polio database: https://extranet.who.int/polio/public/CaseCount.aspx - World Health Organization. Weekly epidemiological updates: https://www.who.int/publications/m/item/weekly-epidemiological-update---12-january-2021
Methodology	<ul style="list-style-type: none"> - Global outbreak alerts of priority border health concern: Data were extracted from the WHO GAR dataset for each alert notification for priority diseases over a 5 year period. Data extraction included: disease, country of reported outbreak, earliest reported date of symptom onset for the index case (or date of outbreak alert if symptom onset not reported). Outbreak data were mapped by disease, geographically over time, summarised in tabulated form by disease, year and country of origin. - Polio PHIEC: data extracted from the WHO Extranet polio database. Data extraction included country, year and total cases. Summarised in tabular form.
Time period and time scale	<ul style="list-style-type: none"> - Annual; - 5 year period (or available data to the nearest whole year if less)
Spatial coverage	<ul style="list-style-type: none"> - Global
Measures of frequency	<ul style="list-style-type: none"> - Disease type by geographic distribution and year, with focus on priority disease outbreaks reported in the Asia-Pacific region.
Limitations of indicator	<ul style="list-style-type: none"> - For countries outside of the Pacific regions, the indicator does not show where diseases pre-existed (e.g. where polio is established as an ongoing (endemic) problem within a country) or show when an outbreak finished.

	<ul style="list-style-type: none"> - Diseases were prioritised; therefore the indicator may not detect a new or emerging disease which becomes a priority threat. However, changing priorities should be detected in annual risk assessment.
Limitations of data sources	<ul style="list-style-type: none"> - WHO GAR: As per limitation of indicator noted above. It is also limited by whether countries report certain outbreaks to the WHO. - No currently available regional Asian outbreak reporting system. - International under-reporting of diseases is expected, particularly among developing countries.
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Related indicators	<ul style="list-style-type: none"> - Exotic notifiable infectious diseases in New Zealand of priority border health concern - Human-disease competent vectors/pests introduced to New Zealand - High-risk human-disease competent vectors/pests present at the New Zealand border
For more information	WHO GAR: http://www.who.int/csr/resources/publications/en/
References	<ul style="list-style-type: none"> - World Health Organization. Global Alert Response dataset: http://www.who.int/csr/don/archive/year/en/