

Salmonella Mikawasima

Background: *Salmonella enterica* subsp. *enterica* serovar Mikawasima (antigenic formula 6,7,14:y:e,n,z₁₅) is a serovar of the O:7 (C₁) serogroup. While this serovar is very rare and hardly reported among human cases, it has caused two outbreaks (one in [Norway](#) and one in the UK). In the US there are no reports of *S. Mikawasima* in humans and animals in the last 10 years. In Malaysia, *S. Mikawasima* was reported from fish and from [aquaculture](#) systems; the reported strains showed resistant to up to four antibiotics (chloramphenicol, clindamycin, rifampicin, and tetracycline).

Animal reservoir: Reptiles and fish have been reported as a reservoir.

Geographical distribution: *S. Mikawasima* appears to be only present in some countries in Europe and Asia.

Outbreaks: *S. Mikawasima* was associated with two outbreaks, one in Norway and one current outbreak (December, 2013) in the UK.

Year	Location	Associated source	Number of cases
2018	Germany, Sweden, Denmark, Czech Republic, Austria	unknown	50
2013	UK	unknown	75
2012	Norway	unknown	13

Relevant links:

1. <http://www.geostrategicforecasting.com/proahedr-salmonellosis-serotype-mikawashima-2/>
2. http://umexpert.um.edu.my/file/publication/00004462_86509.pdf
3. <http://www.ncbi.nlm.nih.gov/pubmed/13889310>
4. <https://www.foodsafetynews.com/2018/09/rare-salmonella-strain-sickens-50-in-five-eu-countries/>