



**Public Health Advisory
Health Risks Following The Floods**

TO: Emergency Departments, GPs and health services in flood-affected areas

Environmental conditions after floods increase the risk for infectious diseases. Skin infections, diarrhoeal disease, respiratory infections and mosquito-borne diseases are the most common infectious diseases after floods in Queensland.

Fortunately infectious disease outbreaks following floods are uncommon. If outbreaks do occur, they will most likely be due to pathogens present in the community before the flood – including norovirus, respiratory viruses, pertussis, Ross River and Barmah Forest viruses and in north Queensland, dengue fever.

Spread of respiratory and enteric pathogens can be amplified through crowding in evacuation centres.

Please be particularly alert to potential outbreaks of gastroenteritis or acute respiratory disease during the recovery period. Notify your local public health unit if you have concerns about a potential outbreak or any other matter of public health significance.

Diarrhoeal disease

Norovirus is a leading cause of acute community acquired gastroenteritis and is highly infectious through person to person spread, and exposure to vomitus or contaminated surfaces, food or fluids. Incubation is typically 15 to 48 hours. Vomiting is a dominant symptom; cramping and diarrhoea can be mild to severe but usually last less than 48 hours. If suspected, request viral testing on samples of faeces or vomitus. Consider and test for bacterial pathogens especially if diarrhoea is bloody. A fact sheet on norovirus is available at:

http://access.health.qld.gov.au/hid/InfectionsandParasites/ViralInfections/norovirus_fs.asp

Please notify suspected outbreaks of gastroenteritis (two or more associated cases) to your local public health unit.

Note that local government authorities will advise on breaches in reticulated water supplies and issue boil water alerts as necessary. Evacuation centres are required to have adequate water, sanitation and hygiene facilities.

Vector-borne disease

Mosquito-breeding will increase as flood waters recede. An increase in mosquito-borne diseases (Ross River virus and Barmah Forest virus) may be expected. If you are seeing patients with fever and polyarthrititis with or without rash, please test for these viruses until the pattern of illness is established. **Laboratory confirmed cases are notified to public health units by laboratories.** Numbers of confirmed cases are made available to local governments and assist them plan mosquito control activity. Dengue will not occur unless a person acquires it in an area affected by dengue (currently Townsville and tropical countries overseas). **Please notify suspected imported cases of dengue to your local public health unit.**

Acute respiratory illness

Coughs and colds and influenza can be readily spread in crowded conditions. Frequent hand-washing and respiratory hygiene will assist in preventing spread. Queensland is still in the midst of a pertussis epidemic, so keep this diagnosis in mind also. Public health efforts in pertussis control are focused on preventing disease in children under 1 year of age who are susceptible to severe disease.

Melioidosis

This is a rare and potentially fatal disease caused by *Burkholderia pseudomallei*, a bacterium found in soil. Most infections occur when skin abrasions or wounds come into contact with wet soil or water. Ten to 30 cases occur each year in Queensland. Disease risk increases in adults with underlying diseases such as diabetes, chronic lung or kidney diseases, excessive alcohol consumption, cancers and treatments (such as steroids) which lower immunity. Most cases have a sudden onset, from a few days to three weeks after an apparent exposure to soil or muddy water. These acute cases can present as pneumonia with fever, cough and difficulty breathing or as septicaemia with fever, confusion and shock. A fact sheet on melioidosis is available at:

http://access.health.qld.gov.au/hid/InfectionsandParasites/BacterialInfections/melioidosis_is.asp

Further information and resources for people affected by floods

Anyone with questions about flood-related health issues is encouraged to call the 13HEALTH helpline (13 432 584) for advice.

The Queensland Health website also contains fact sheets for use in disasters, including advice on flood health safety and evacuations:

<http://www.health.qld.gov.au/healthieryou/disaster/default.asp>

Residents who have been flooded and require assistance should phone the **Community Recovery Line on 1800 173 349.**

Information on stress and well-being: coping in times of crisis or disaster is available at:

http://www.health.qld.gov.au/floods/stress_well.asp

Lifeline Community Care Queensland also provides support to Queensland Health with counselling and support to victims of disasters and other significant events through its community recovery program.

Check contact details in your local telephone directory.

For further information, contact your nearest Queensland Health public health unit:

Brisbane North	Tel: 3624 1111	Gold Coast	Tel: 5568 3700	Rockhampton	Tel: 4920 6989
Brisbane South	Tel: 3000 9148	Hervey Bay	Tel: 4120 6000	Sunshine Coast	Tel: 5409 6600
Bundaberg	Tel: 4150 2780	Logan	Tel: 3412 2989	Toowoomba	Tel: 4631 9888
Central West	Tel: 4920 6989	Mackay	Tel: 4885 6611	Townsville	Tel: 4753 9000
Cairns	Tel: 4226 5555	Moreton Bay	Tel: 3142 1800	West Moreton	Tel: 3413 1200
Charleville	Tel: 4656 8100	Mount Isa	Tel: 4744 9100		