

SA ¶4 (q) Conduct statistical analysis of children data from epidemiological studies (P29)

The data utilized in these statistical analyses can be found in the following studies:

Great Lakes Studies:

“High Sensitivity of Children to Swimming-Associated Gastrointestinal Illness Results Using a Rapid Assay of Recreational Water Quality” Timothy J. Wade, Rebecca L. Calderon, Kristen P. Brenner, Elizabeth Sams, Michael Beach, Richard Haugland, Larry Wymer, and Alfred P. Dufour (Epidemiology 2008;19: 375–383)

http://www.epa.gov/near/files/Report2009v5_508comp.pdf

Marine Studies (P1, 2):

“Rapidly measured indicators of recreational water quality and swimming-associated illness at marine beaches: A prospective cohort study” Timothy J Wade , Elizabeth Sams, Kristen P Brenner , Rich Haugland , Eunice Chern , Michael Beach , Larry Wymer, Clifford C Rankin , David Love , Quanlin Li , Rachel Noble and Alfred P Dufour - Environmental Health 2010, 9:66doi:10.1186/1476-069X-9-66
Published: 31 October 2010

- Table S2: Adjusted Odds Ratios for illness risk among swimmers for a 1 log₁₀ Increase in indicator density. Children age 10 and under.

http://www.epa.gov/near/files/Report2009v5_508comp.pdf

Epidemiological study in marine waters impacted by urban runoff in a temperate region (CD 5(a)):

“Report on 2009 National Epidemiologic and Environmental Assessment of Recreational Water Epidemiology Studies” Timothy J Wade , Elizabeth A Sams, Rich Haugland, Kristen P Brenner, Quanlin Li, Larry Wymer, Marirosa Molina, Kevin Oshima and Alfred P Dufour. US Environmental Protection Agency, Office of Research and Development; 2010. USEPA Report Number: EPA/600/R-10/168.

- Table 4.5, 4.6: Water exposures among children
- Tables 4.8-4.12: Incidence of illness among children
- Table 4.39, 4.42, 4.56, 4.57,
- Figure 5.16: Incidence of illness among children with regard to measures of water quality.

<http://water.epa.gov/scitech/swguidance/standards/criteria/health/recreation/index.cfm>

Epidemiological study in a tropical region (CD 5(b)):

“Report on 2009 National Epidemiologic and Environmental Assessment of Recreational Water Epidemiology Studies” Timothy J Wade , Elizabeth A Sams, Rich Haugland, Kristen P Brenner, Quanlin Li, Larry Wymer, Marirosa Molina, Kevin Oshima and Alfred P Dufour. US Environmental Protection Agency, Office of Research and Development; 2010. USEPA Report Number: EPA/600/R-10/168.

- Table 4.73, 4.74: Water exposures among children
- Tables 4.76-4.80: Incidence of illness among children
- Tables 4.103, 4.104, 4.129, 4.130: Incidence of illness among children with regard to measures of water quality.

<http://water.epa.gov/scitech/swguidance/standards/criteria/health/recreation/index.cfm>