

## Projects for the 2012 PIMS-MPrime-CDM Summer School on Mathematical Modeling of Infectious Disease

The following are recent articles about various infectious diseases. In each case, the article suggests something interesting or absurd. Using one or several mathematical models, investigate the issue.

A: ‘Fish Pedicure’ a Recipe for Bacterial Infection, Researchers Warn

*MSN Health*

By Alan Mozes HealthDay Reporter

<http://health.msn.com/health-topics/infectious-diseases/fish-pedicure-a-recipe-for-bacterial-in>

B: Harsh Terrain Hampers Fight Against Polio

*Nigerian Observer News*

<http://nigerianobservernews.com/16052012/news/Other%20News/othernews12.html>

C: Countries of the Americas promote integrated action to eliminate neglected diseases

*PharmPro.com*

<http://www.pharmpro.com/News/Feeds/2012/05/agencies-and-organizations-pan-american-health-organ>

D: Ghana: Women Take to the Skies to Fight Waterborne Disease

*AllAfrica.com*

<http://allafrica.com/stories/201205020445.html>

E: Burma: Malaria’s Crucial Battleground

*Wall Street Journal*

[http://online.wsj.com/article/SB10001424052702304371504577403742068286050.html?  
mod=googlenews\\_wsj](http://online.wsj.com/article/SB10001424052702304371504577403742068286050.html?mod=googlenews_wsj)

F: Myth busted: Vaccinations are not immunizations

*Natural News .com*

[http://www.naturalnews.com/035871\\_vaccination\\_immunization\\_myths.html](http://www.naturalnews.com/035871_vaccination_immunization_myths.html)

G: Tuberculosis in northern communities

*Nunatsiaq Online*

[http://www.nunatsiaqonline.ca/stories/article/65674nunavik\\_public\\_health\\_officials\\_  
move\\_quickly\\_to\\_latest\\_tb\\_outbreak/](http://www.nunatsiaqonline.ca/stories/article/65674nunavik_public_health_officials_move_quickly_to_latest_tb_outbreak/)

H: Fatal Salmon Virus Outbreak in Clayoquot UNESCO Biosphere Reserve

*Pacific Free Press*

<http://www.pacificfreepress.com/news/1/11666-clayoquot-salmon-farm-reports-outbreak-of-ihn-virus.html>

I: Another deadly Pandemic

*The Sydney Morning Herald*

<http://www.smh.com.au/opinion/society-and-culture/another-deadly-pandemic-a-matter-of-when-not-when.html>

J: Blue ear disease continues to attack northern hog farms

*Viet Nam News (via ProMED mail)*

<http://www.promedmail.org/direct.php?id=20120514.1109>