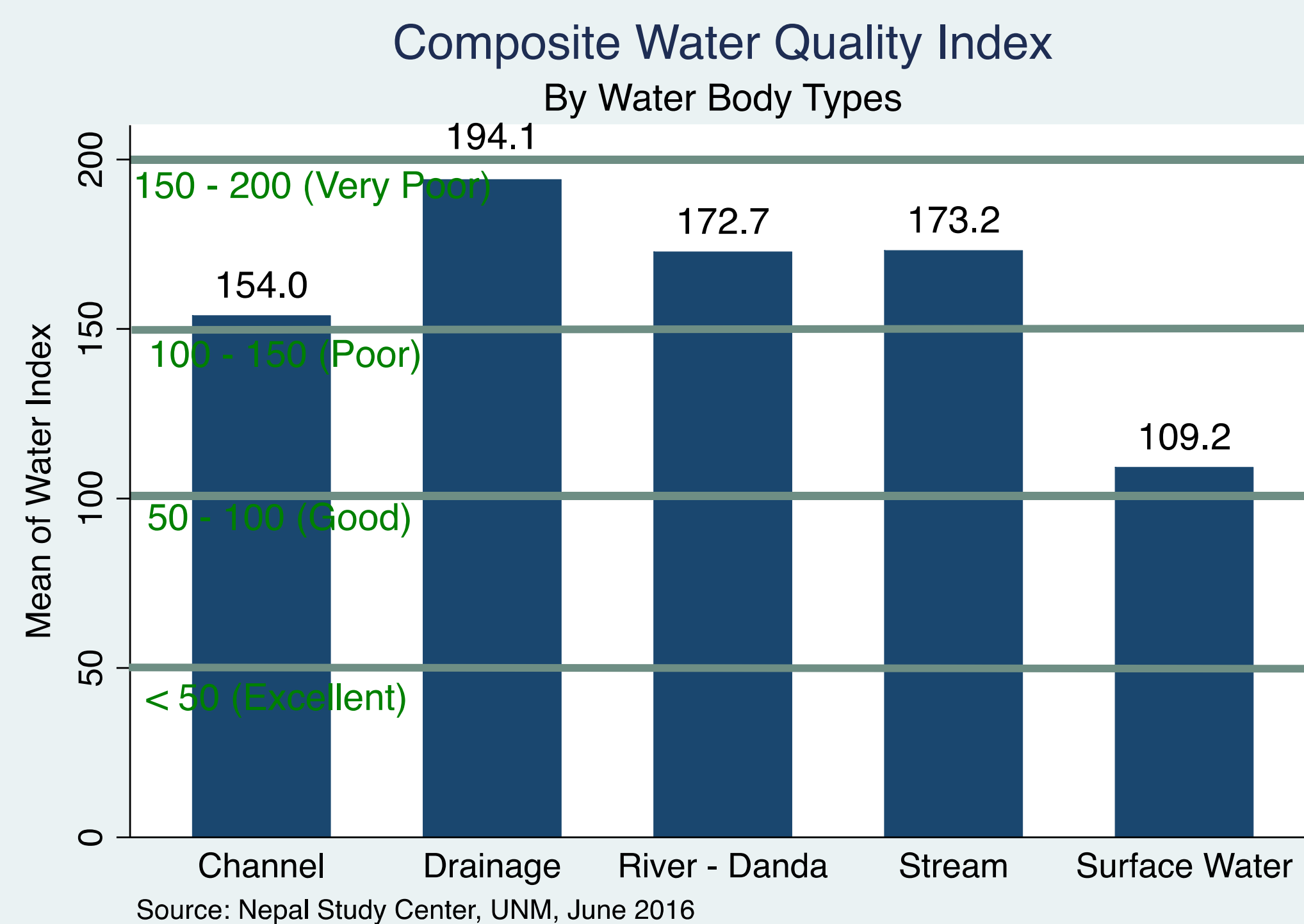


# Making a case for Danda Ecological Monitoring Program (DEMP)

Sustainable Development Lab, Nepal Study Center  
University of New Mexico

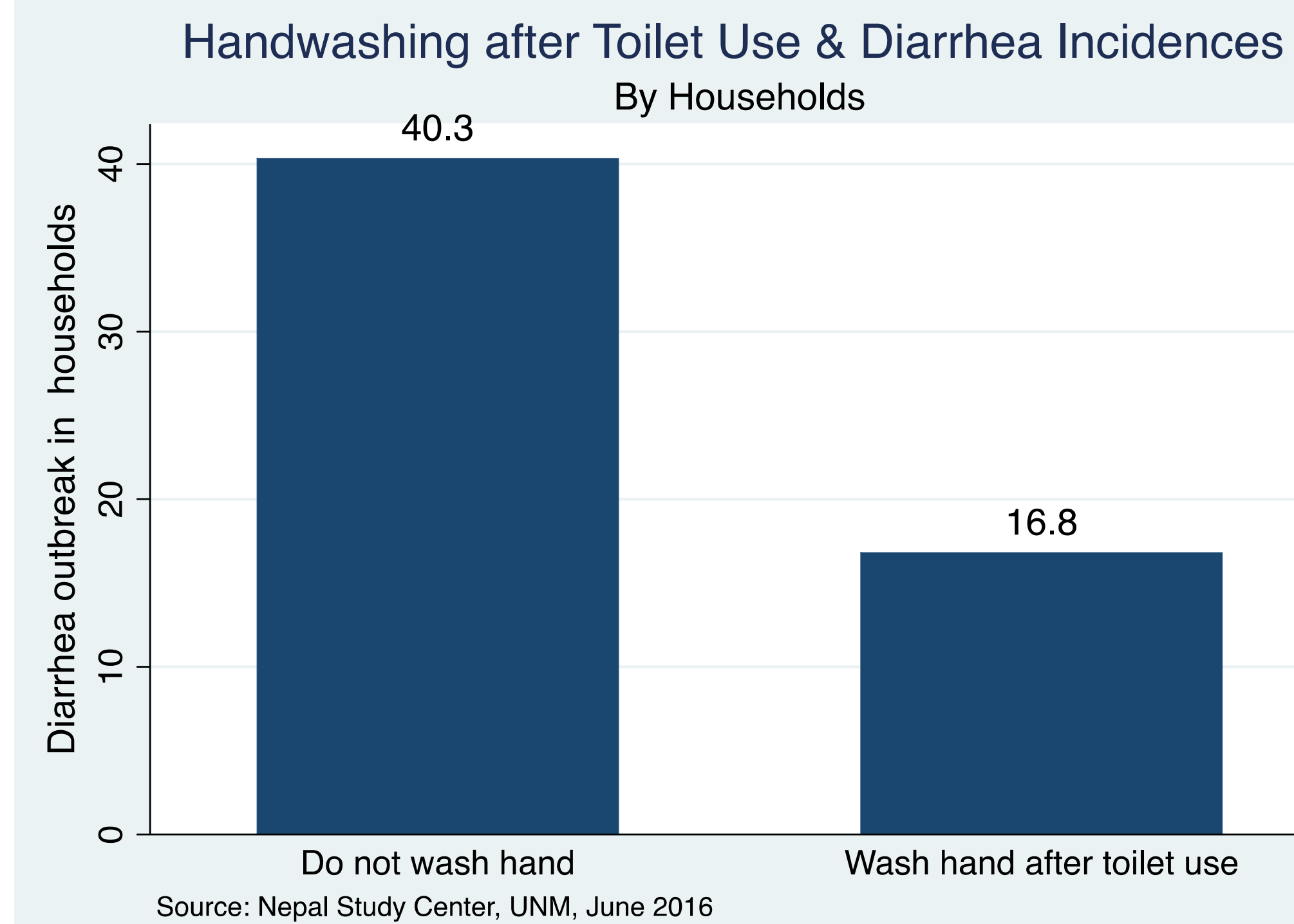
<http://nepalstudycenter.unm.edu/SustainableResearchLab/SustainableDevelopmentLab.html>

## Water Quality Index



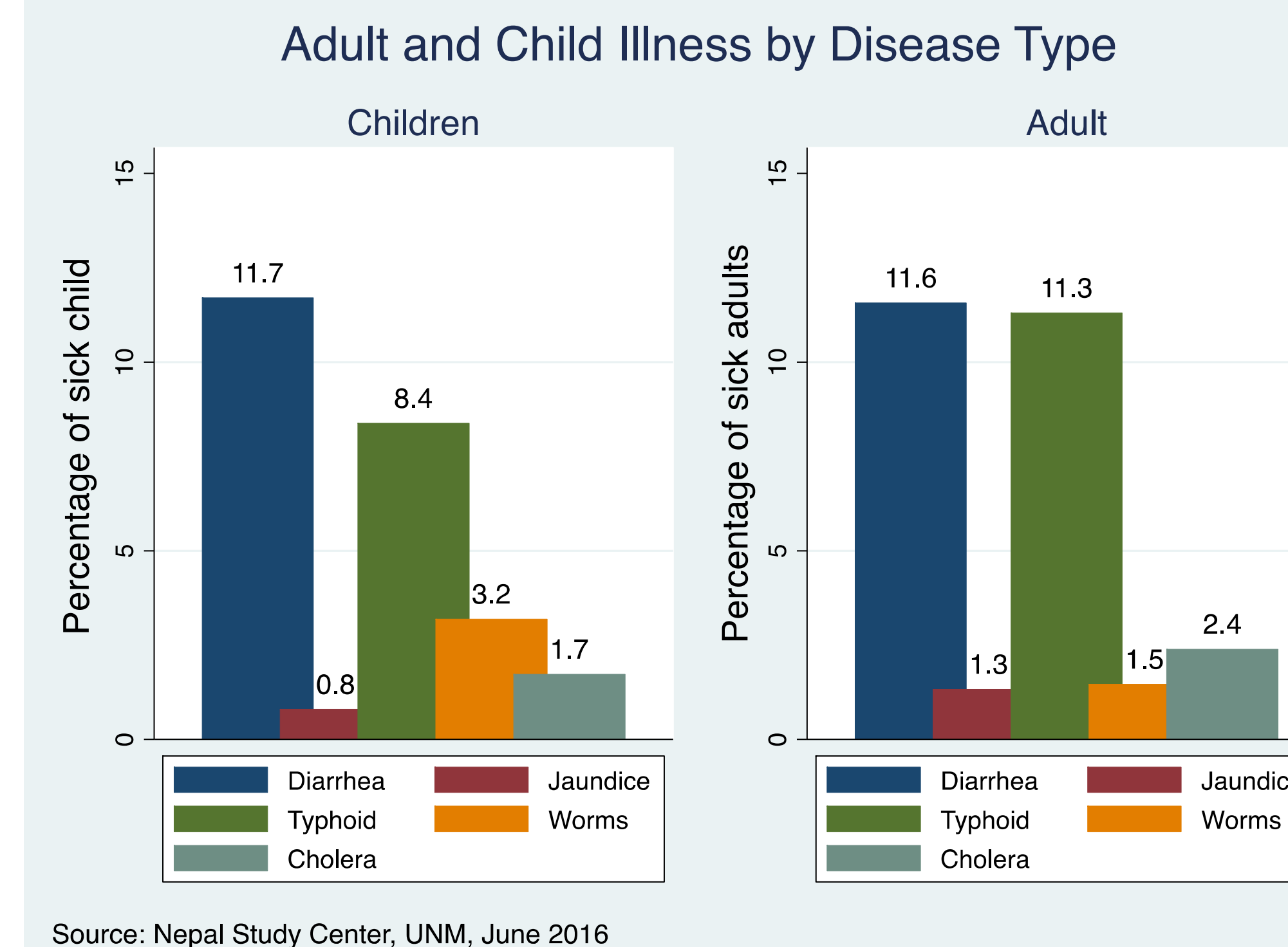
**Lower index signifies higher quality water. Surface water had the best water quality index, while drainage and Danda River water were the worst.**

## Relationship between handwashing rates and diarrhea incidences in households



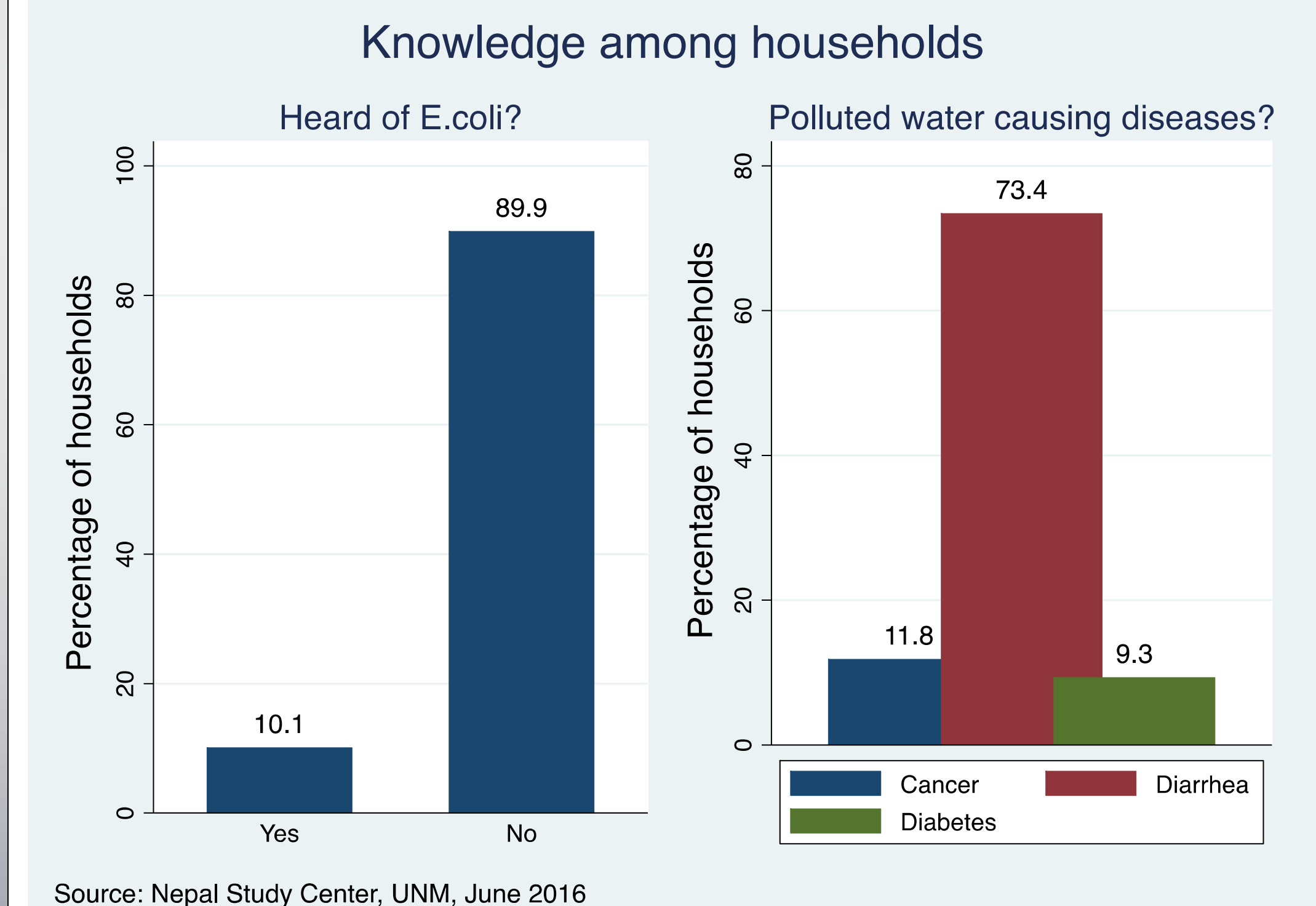
**Among households that did not wash hands after toilet use, 40.3% had diarrhea outbreak in the past 30 days. This rate declined to 16.8% among households that practiced handwashing behavior.**

## Water-borne disease in adults and children



**Diarrhea and Typhoid were the most prevalent disease in both adults and children. The rate of diarrhea was slightly higher for children than for adults.**

## Household Scientific Knowledge



**This graph shows the knowledge distribution of households. Only 10.1% of the households had heard of E.coli. Likewise, only 73.4% considered ingestion of polluted water causes diarrhea.**