
Subject: Re: Existing water and sanitation infrastructure's impact on diarrhea incidents

Posted by [kingx025](#) on Sun, 22 Apr 2018 00:19:04 GMT

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A complementary source that you might turn to for additional data on water and sanitation facilities is the international census data from the IPUMS-International project (at international.ipums.org), in particular, the WATSUP, SEWAGE, and TOILET variables. These samples are very large, normally 10 percent of enumerated households, and usually have geographic detail down to the second administrative level. There is no data on diarrheal disease collected in censuses, but for DHS samples with GPS point data on sample clusters, you can map the sample clusters onto the IPUMS-I regions, sum values for the region for variables of interest, attach those values to the DHS microdata, and see, for example, if children in regions with higher incidence of piped water and flush toilets have lower incidence of diarrheal disease. Let me know if you want further information about this approach.

Miriam King
