

Metadata for Dengue in Iquito, Peru - 2000/2001 to 2008/2009 Seasons

Title

Iquitos dengue data for the 2000/2001 to 2008/2009 dengue seasons

Description

The dataset contains weekly dengue data for the city of Iquitos, Peru. The dataset includes the following variables:

- **season:** the transmission season;
- **season_week:** week of the season (not the calendar year - the season starts following the week with historically lowest dengue cases over the years 2000-2009);
- **week_start_date:** date of the first day of the week;
- **denv1_cases:** number of laboratory confirmed cases with DENV1;
- **denv2_cases:** number of laboratory confirmed cases with DENV2;
- **denv3_cases:** number of laboratory confirmed cases with DENV3;
- **denv4_cases:** number of laboratory confirmed cases with DENV4;
- **other_positive_cases:** laboratory-positive cases without serotype identified (these include acute IgM positive and IgM conversions);
- **additional_cases:** at times not all specimens submitted were tested due to overload of the capacity for testing or incomplete case information. For those weeks, the number of additional laboratory-positive cases among those not tested was estimated by multiplying the number of untested cases by the rate of laboratory-positive cases amongst those that were tested;
- **total_cases:** the sum of all cases (denv1-4_cases + additional_cases), the target time series for forecasting.

Over the period of the study, all diagnostic methods were consistent: IgM ELISA (acute and convalescent sample) and serotype-specific RT-PCR (acute sample). Details are presented in Forshey et al. 2010. In 2004, there was a two-week period when surveillance effort was extended to 24 hours a day because of the large volume of cases (Stoddard et al. 2014). Otherwise, patients were enrolled 5-7 hours a day, five days a week.

Forshey BM, Guevara C, Laguna-Torres VA, Cespedes M, Vargas J, et al. (2010) [Arboviral Etiologies of Acute Febrile Illnesses in Western South America, 2000-2007](#). PLoS Negl Trop Dis 4(8): e787. doi: 10.1371/journal.pntd.0000787

Stoddard ST, Wearing HJ, Reiner RC Jr, Morrison AC, Astete H, et al. (2014) [Long-Term and Seasonal Dynamics of Dengue in Iquitos, Peru](#). PLoS Negl Trop Dis 8(7): e3003. doi: 10.1371/journal.pntd.0003003

Tags

dengue, Iquitos, Peru

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Spatial

Iquitos, Peru

Temporal

Weekly, 2000/2001 to 2008/2009 dengue seasons

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