

Release statement

Geographic information from Longitudinal Population Studies: INDEPTH and CHAMP. Version 1.0.

26th April 2023

Release content

- Shapefile
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File descriptions

- **Shapefile:** Contains a shapefile (LPS_Release_V1_0_Shapefile.shp) of Demographic Evaluations of Populations and Their Health (INDEPTH) and Child Health and Mortality Prevention Surveillance (CHAMPS) network HDSS sites. See below for information included as fields in the attribute table of the shapefile.
- The following information is included as fields in the attribute table of the shapefile.
- **Geopackage:** Contains a geopackage (LPS_Release_V1_0_Geopackage.gpkg) of Demographic Evaluations of Populations and Their Health (INDEPTH) and Child Health and Mortality Prevention Surveillance (CHAMPS) network HDSS sites. See below for information included as fields in the attribute table of the vector layer.
- **Table:** Contains a csv (LPS_Release_V1_0_Table.csv) file of the shapefile attribute table.

Unique ID (*Uniq_ID*): Unique name ID for HDSS site, with combination of site name and network name.

LPS: Name of the Longitudinal Population Study/ Demographic Surveillance Site (DSS).

LPS ID: ID for name of the Longitudinal Population Study/ Demographic Surveillance Site (DSS) (uses underscores where there are spaces in the name).

Country: Country where the DSS is located

GADM Name: Name of the GADM administrative boundary (GADM¹) in which the site is located; where the site crosses more than one boundary or contains multiple sub-sites across different boundaries, multiple administrative boundaries are listed.

GADM Level: GADM administrative boundary level of the value in column 'GADM name' – level was used as default, with level 1 used where site size/distribution made this impractical.

GADM ID: ID code of GADM administrative boundary.

ISO 3: International Organization for Standardization country code to 3 characters (e.g. Kenya = KEN)

ISO 2: International Organization for Standardization country code to 2 characters (e.g. Kenya = KE)

Type: Whether the site is urban, rural, or both.

Type ID: ID code for site type; U = Urban, R = Rural, UR = Urban and Rural, NA = no data available.

Theme: Surveillance theme (e.g. Health and Demographic data).

Network: Which network the site is a part of (e.g. InDEPTH, CHAMPS)

Network ID: ID for Network (uses underscores where there are spaces in the network name).

Enroll start (Start): When site surveillance began

Enroll end (End): When site surveillance ended (or ongoing)

Temporal resolution (months) (Temporal): Frequency of DSS visits in months

Spatial resolution (Spatial): Spatial resolution of data collection (e.g. individual, household, village).

Population size (Population): Number of people under surveillance

Number of households (Households): Number of households under surveillance

Number of villages (Villages): Number of villages under surveillance

Main outcomes (Outcomes): Main outputs of the survey (e.g. Deaths, Pregnancy, Migrations)

Website: Link to main webpage for DSS

Publication 1 (Link 1): Link to site-related publication

Publication 2 (Link 2): Link to site-related publication

Still Birth Rate (SBR): Still Birth Rate /1,000²

Maternal Mortality Rate (MMR): Maternal Mortality Rate /100,000²

Neonatal Mortality Rate (NNMR): Neonatal Mortality Rate /1,000²

Infant Mortality Rate (IMR): Infant Mortality Rate /1,000²

Under-5 Mortality rate (U5MR): Under-5 Mortality rate /1,000²

Total precipitation (Pre): Climate Research Unit (CRU) total precipitation for 2021³. Original data provided in raster format, values were extracted using DSS polygon centroids – where more than one polygon exists for the same site, values were extracted for each individual polygon centroid and a median taken for the whole site.

Total potential evapotranspiration (PET): Climate Research Unit (CRU) total potential evapotranspiration for 2021³. Original data provided in raster format, values were extracted using DSS polygon centroids – where more than one polygon exists for the same site, values were extracted for each individual polygon centroid and a median taken for the whole site.

Average maximum temperature (Temp): Climate Research Unit (CRU) average maximum temperature for 2021³. Original data provided in raster format, values were extracted using DSS polygon centroids – where more than one polygon exists for the same site, values were extracted for each individual polygon centroid and a median taken for the whole site.

Area (Km2) (Area): Area of site in kilometers squared.

Perimeter (Km) (Perimeter): Perimeter of site in kilometers

References

- ¹GADM. GADM Licence. 2021 [cited 1 February 2023]. Available: <https://gadm.org/license.html>.
- ²Child Health and Mortality Prevention Surveillance (CHAMPS) network. <https://champshealth.org/>.
- ³University of East Anglia Climatic Research Unit; Harris, I.C.; Jones, P.D.; Osborn, T. (2021): CRU TS4.05: Climatic Research Unit (CRU) Time-Series (TS) version 4.05 of high-resolution gridded data of month-by-month variation in climate (Jan. 1901- Dec. 2020). NERC EDS Centre for Environmental Data Analysis, date of citation.

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The authors followed rigorous procedures designed to ensure that the used data, the applied method and thus the results are appropriate and of reasonable quality. If users encounter apparent errors or misstatements, they should contact WorldPop at release@worldpop.org.

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CITATION

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