

Release Statement

Modelled gridded population estimates for the Democratic Republic of Congo version 4.1.

30 August 2024

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Abstract

This data release provides gridded population estimates (spatial resolution of 3 arc-seconds, approximately 100 m grid cells) for the Democratic Republic of Congo (DRC), along with uncertainty estimates. The data is a mosaic of gridded population estimates produced for four provinces namely Tanganyika, Maniema, Haut-Katanga and Haut-Lomami. This data also contains mastergrid for the entire DRC. The project team used the Pre-Distribution Registration Survey (PDRS) data from the National Malaria Control Programme (PNLP) collected as part of anti-malarial campaigns in the Democratic Republic of the Congo, settlement footprint and geospatial covariates to model and estimate population numbers at grid cell level using a Bayesian statistical hierarchical modelling framework.

These data were produced by the WorldPop Research Group at the University of Southampton. This work was part of the GRID3 – Phase 2 Scaling project, with funding from the Bill and Melinda Gates Foundation (INV-044979). Project partners included the GRID3 Inc., the Center for International Earth Science Information Network (CIESIN) in the Earth Institute at Columbia University and WorldPop at the University of Southampton. The PDRS data from the malaria insecticide treated net (ITN) distribution campaigns was collected, processed, anonymised and shared by the PNLN and its implementing partners. The settlement footprint data was prepared and shared by CIESIN.

This data is a mosaic of four main provinces with the following doi.

- Haut-Katanga province [doi: 10.5258/SOTON/WP00778]
- Haut-Lomami province [doi: 10.5258/SOTON/ WP00777].
- Maniema province [doi: 10.5258/SOTON/WP00773] and
- Tanganyinka province [doi: 10.5258/SOTON/ WP00774].

The projection for all GIS files is the geographic coordinate system WGS84 (World Geodetic System 1984).

For more detailed information on these datasets, kindly refer to the readme files for each province.

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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SUGGESTED CITATION

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