
SRS-VS Sampling Methodology

Survey Design

- ❑ 2022 Census of Population and Housing (CPH) provided the Sampling Frame

Two-stage stratified cluster sampling approach.

- ❑ Stratified by province yielding 10 sampling strata.
- ❑ Districts selected within province
- ❑ Wards selected within the districts
- ❑ EAs selected within the wards

Survey Design

- ❑ In the first stage, **an average of 3** districts were selected independently in each stratum with a probability proportional to size selection.
- ❑ Measure of Size was the number of EAs in each district
- ❑ Implicit stratification was achieved by sorting the districts in each province in alphabetical order.

Survey Design

- ❑ Within the sampled districts, wards were selected using PPS, again with the number of EAs serving as the measure of size.
- ❑ A fixed take of ten EAs were then selected within each ward

Assumptions for Sample Population

Note: *The average EA population size is the residential population residing in the EA based on the 2022 CPH sampling frame.*

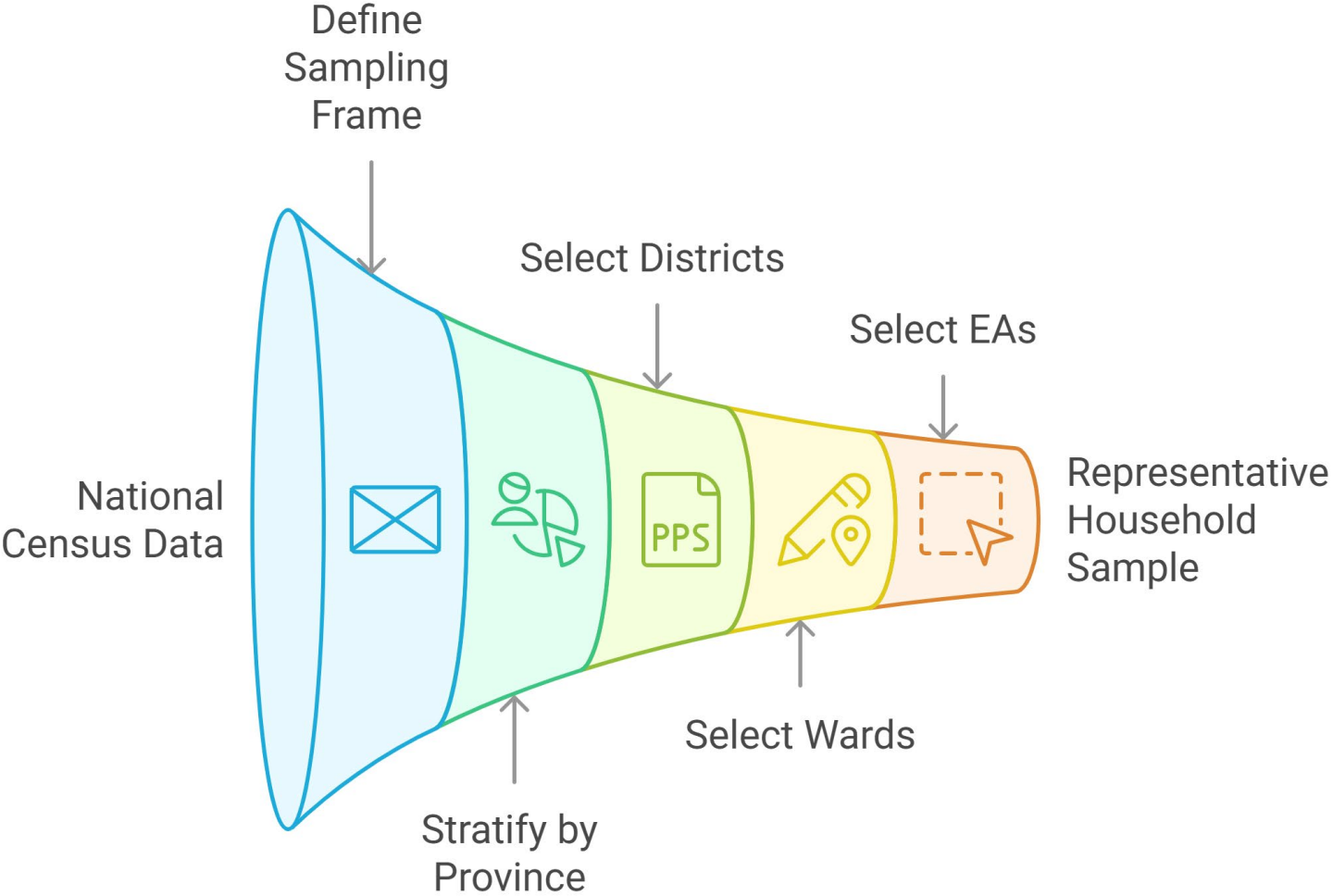
- ❑ To estimate the total population for the selected EAs, the average household size from the 2022 CPH was applied to the household allocation. Rural-5.0 , urban-4.6
- ❑ To estimate the population for the age groups 0-4 years and 15 years and older, the age distribution of the projected population for the year 2022 was applied to the estimated population.

Assumptions for Expected Deaths

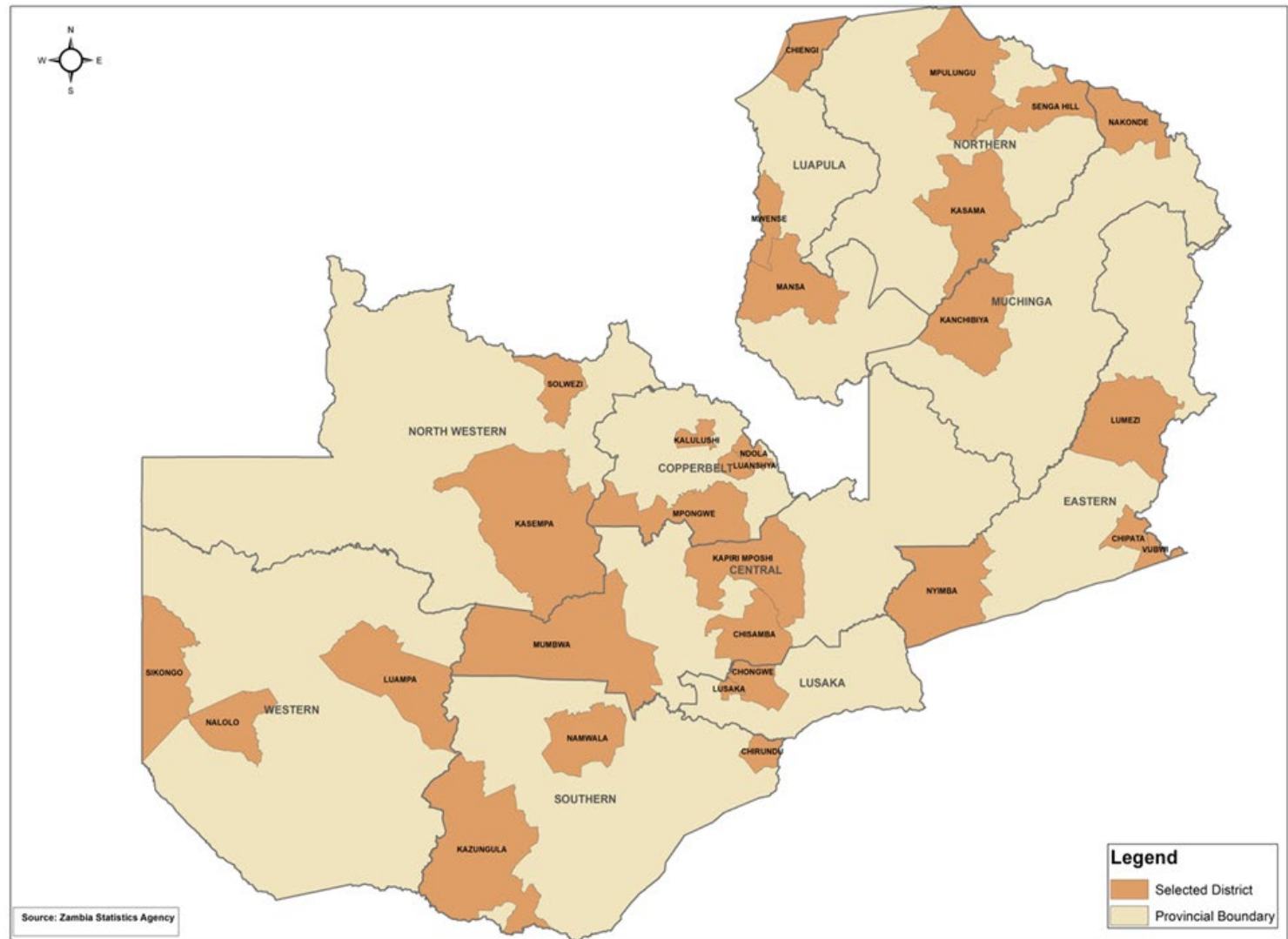
- ❑ The projected CDR for the year 2022 was used; 11.4 deaths per 1,000 population.
- ❑ The age distribution of deaths for Lusaka district from the 2020 Vital Statistics Report was applied to the total estimated deaths.

**According to DNRPC, Lusaka district has a very death registration and coverage completeness.*

Overview of SRS-VS Sampling Process



Zambia Showing Selected Districts



THE END