Census Mapping Enabler to improve the Production of Statistics

by

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• About the Population & Housing Census Information

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• Business Establishments derived from Census Mapping
What is a Population and Housing Census?

The total process of collecting, processing, analysing, publishing and disseminating of demographic and socio-economic data of all persons in a country at a specified time, living in housing units, institutions, camps, and homeless.”
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<th>Census Information</th>
<th>Potential Uses</th>
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<td>Total Population Size</td>
<td>When two or more census counts are compared for the same location, planners can determine if locales are increasing or decreasing in size.</td>
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<tr>
<td>Age and Sex</td>
<td>Used to help identify segments of the population that require different types of services.</td>
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<tr>
<td>Sex</td>
<td>Sex ratios can be calculated by 5-year age groups to crudely observe migration, especially among the working age cohorts.</td>
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<td>Marital Status</td>
<td>Used to provide insights into family formation and housing needs.</td>
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<td>Household Composition and Size</td>
<td>Used to help determine housing needs for related and unrelated households.</td>
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<td>Educational Attainment and Literacy</td>
<td>Used to provide information on the educational skills of the work force. These measures also help planners select the best strategies to communicate with residents.</td>
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<td>Location of Residence and Place of</td>
<td>Helps assess changes in rural and urban areas. Place of prior residence helps to identify communities that are experiencing in- or out-migration.</td>
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<tr>
<td>Prior Residence</td>
<td></td>
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<tr>
<td>Occupation and Labor Force</td>
<td>Helps to provide insights into the labor force of a given locale. The information can be used to develop economic development strategies.</td>
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<tr>
<td>Participation</td>
<td></td>
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<tr>
<td>Living Quarter Characteristics</td>
<td>Can help planners determine housing and community facility needs.</td>
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</table>
History of Census in Namibia

1st complete Census after Independence (CBS/NPC)
1991
Pop: 1.4 Million

2nd Census (CBS/NPC)
2001
Pop: 1.8 Million

3rd Census (CBS/NPC)
2011
Pop: 2.1 Million

1st Census by NSA
2021
Pop: ???

NSA Established in 2012

www.nsa.org.na
Census Implementation Phases/ Components
(Three Main Phases)

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<th>2021</th>
<th>2021-2025</th>
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<td>Main census</td>
<td>Report writing</td>
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<td>Census Mapping</td>
<td>PES</td>
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<td>Questionnaire design</td>
<td>Pilot census</td>
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<td>Pre- enumeration phase</td>
<td>Census Enumeration</td>
<td>Post- enumeration phase</td>
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2017-2020
- Census Planning
- Census Mapping
- Questionnaire design
- Pilot census

2021
- Main census
- PES

2021-2025
- Report writing

- Census Enumeration
- Post-enumeration phase
Methods of Enumeration

• Two approaches of census enumeration
  1. *De jure census*
  2. *De facto census*
Methods of Enumeration...

1. “De jure census”

All persons who are usually living within a country are counted, even when they are not present during the census time

– In Namibia, it might increase double counting as people might be regarded as usual members of more than one household
2. “De facto census”

Only persons found within the countries at a particular point in time (i.e. the Census Reference Night) are counted

- Every person is counted at a place or household where he/she spent the Census Reference Night
- People who are usually living in Namibia but were not in Namibia, on the Census Reference Night will not be counted
- Reduces double counting & coverage error
2. “De facto census”
Namibia will be using the De facto method for 2021 Census enumeration.

Only persons found within the countries at a particular point in time (i.e. the Census Reference Night) are counted:

- Every person is counted at a place or household where he/she spent the Census Reference Night.
- People who are usually living in Namibia but were not in Namibia, on the Census Reference Night will not be counted.
- Reduces double counting & coverage error.
Census Reference Night...

- The reference night is the census reference period
- All census information collected will be about what happened on that reference period
- Only people present in Namibia on that night will be counted
About Census Mapping
A dot represents a built-up structure.

Total Number of Structures = ±955,000

Structure Density per Sqkm² = 1.16
Comparing what was mapped

2011 2020/2021

Windhoek Informal Settlement
Digital Workflow and Monitoring
Census mapping outputs

1. Enumeration Areas for 2021 Population Census
2. National Built-up Structure Database
   – National Housing Information Database linked to geography
   – List of Businesses/ Establishments linked to geography
   – Agriculture Households linked to geography
3. Updated National Locality List linked to geography

Note: Outputs are highly disaggregated, better planning
Business Establishments derived from Census Mapping
Objectives of the Establishment Census

• To provide detailed structural and demographic characteristics of establishments.
• It will be used to enrich the Statistical Business Register (SBR).
Methodology

• Conducted from October 2019 to April 2021 (Prolonged due to Covid impact).
• Covered all business establishments countrywide with a fixed location.
• Excluded open markets and communal farming activities and establishments that were attached to household structures.
• Enumerators visited every business establishment and collected data.
Establishment distribution

- A total of 61,502 establishments were contacted during the enumeration period of the census.
- Establishments were mostly concentrated in Omusati region (18.0%), Ohangwena region (15.6%) and Khomas region (15.0%) second and third highest.
- Omaheke region recorded the least number accounting for 2.0 percent of the total establishments.
- It is important to note that more than half of the establishments are situated in rural areas (56.9%).
Establishment by size

- Micro, Small Medium Enterprises classification of the size of establishments is based on the number of employees.
- The census revealed that the majority of establishments are categorized as micro establishments of about 55,804 (90.7%).
- About 6.4% (3,918) of establishments were small whereas medium establishments were 1,435 (2.3%).
- Only 345 establishments accounting for 0.6 percent are considered to be large.
Establishment by size

- Interestingly more almost 90% of establishment can be classified in five economic activities.
- Out of 61,502 establishments, 49.1% are concentrated in ‘Accommodation and food services’.
- In second place was the ‘Wholesale and retail trade’ with a share of 25.2%.
- The Manufacturing sector appeared in fifth place with just a share of 4.6% of total establishments.
Production of a SBR using census mapping data

A Statistical Business Register (SBR) maintains a live list of economic entities for which various characteristics must be measured to gauge the performance of the national economy

• It is a core component of the statistical infrastructure of a Namibia Statistics Agency (NSA).
• The primary output of an SBR are business frames for economic surveys.
• An SBR, when fully integrated into the statistical infrastructure of NSA, will provide well-defined and better coverage for economic surveys than individually constructed survey frames.
The SBR uses a combination of different data sources for its construction and maintenance with good coverage and content.

- Administrative Data Sources are widely used for establishment as well as updating the SBR.
- Regular economic survey and profiling surveys are used for updating the SBR.
- Establishment Business Census are possible sources for basis/enriching the SBR.

USES OF ESTABLISHMENT BUSINESS CENSUS:

- The census mapping collected data from each and every business with a structure/location in Namibia.
- Attributes of economic activity, location provide business activity establishment per region.
- The latter is important for SBR as it will assist in segregating economic activity by regions.
- Regional statistics are important for gauging regional developments and decision making.
Thank you

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