Data dissemination and register-based census – Mongolian experience

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Data dissemination

Generic Statistical Business Process Model

[Diagram of a statistical business process model with various stages and roles depicted]
INCREASING THE USE OF STATISTICS

Simple and understandable

Developing and adopt general design and standards for statistical products visualized by images and infographics that are easy to be understood by users.

Accessible

Enable the easy and fast access for users to get statistics in Open data standards, establish and develop General open data system.

Timely

Prepare easily understandable the statistics, its methodology and metadata for users, disseminate these through online data tools, official website of NSO and social medias.
Types of Dissemination

Online assistance
Hotline
Publications
Television, newspaper
Facebook
Twitter
Webpage
Mass email
Online database
SIMPLE AND UNDERSTANDABLE

Statistical bulletin:

Wages and salaries: Wage and salary consists of basic pay, bonuses, compensation for hours of not working and other payment.

If the nominal wage of citizen “I” is 1161178 tugriks then actual salary he/she receives after tax deductions:

\[
1161178 \times (1 - 0.10) = 1045060.2
\]

Median wage is the amount that divides the wage distribution into two equal groups, half having wage above that amount, and half having wage below that amount. Mean wage is the amount obtained by dividing the total aggregate wage of a group by the number of units in that group.

\[
\bar{x} = \frac{\sum x}{n}
\]

Nominal wage: is wages measured in terms of money paid of employees after deduction for taxes and contributions, not adjusted by consumer price index and not in terms of purchasing power.

A nominal wage index (NWI) is proportion of nominal wage of current period and nominal wage of base period as expressed percentage.

The real wages refer to wages that have been adjusted for inflation and measured changes of purchasing power.

A real wage index is the percentage of nominal wage index to consumer price index of corresponding period.

SOCIAL INSURANCE AND WELFARE

According to the General Authority for Health Insurance and General Authority for Social Insurance, social insurance fund's revenue reached MNT 1802.9 billion in the first 8 months of 2023, reflecting an increase of MNT 253.0 billion or 15.4% compared to the same period of previous year. The fund’s expenditure was MNT 1683.5 billion, showing an increase of MNT 291.5 billion or 20.9% compared to the same period of previous year.

The MNT 293.0 billion increase in the social insurance fund's revenue was mainly affected by increases in pension insurance fund revenue by MNT 235.7 billion (21.6%) and health insurance fund revenue by MNT 22.4 billion (12.7%) from the same period of previous year.

The MNT 293.5 billion increase in the social insurance fund’s expenditure was mainly affected by increases in pension insurance fund expenditure by MNT 156.2 billion (34.7%) and industrial accident and occupational disease insurance fund's expenditure by MNT 66.8 billion (3.1 times) from the same period of previous year.

VI. Please download more information about particular industries in excel format by using QR code reading application while using your mobile. /internet connection required/
SIMPLE AND UNDERSTANDABLE INFOGRAPHICS
1212.mn mobile application

Main menu
Statistics
Quantitative dynamic series
Library
Electronic versions of Survey reports
News
Daily news of Statistics
Knowledge quiz
Gaming application for users
Enabled the possibility of using microdata of surveys and censuses for certain users

- Child development survey
- Time use survey
  /2011, 2015/
- Social indicators sample survey
  (HYTC-2013) /2013/
- Study on overcoming climate conditions and difficulties in Mongolia
  /2012, 2013, 2014/
- Labor force survey (LFC)
- Household social and economic survey (HSES)
- Population and housing census
  /2000, 2010/
- Reproductive Health Survey
TRAINING FOR USERS

High school seniors
Around 6000 students from over 60 high schools

Media
Journalist /around 400 journalists in 8 training since 2013/

Government organizations
Policy makers, assistances of the Parliament members, statistical units of ministries and agencies, /regularly, annually/

Universities and colleges
Students with economics and statistics major, librarians

Business organizations
Personals from primary data provider enterprisers / regularly, annually/

Government organization
Enumerator who collects data from primary units, governors of bag and khorooos, their deputies
Accessible and timely
### Open data inventory 2018

<table>
<thead>
<tr>
<th>Year</th>
<th>Ranking (of 178)</th>
<th>Coverage</th>
<th>Openness</th>
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<tbody>
<tr>
<td>2018</td>
<td>11</td>
<td>63</td>
<td>90</td>
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<table>
<thead>
<tr>
<th>Rank</th>
<th>ODIN score</th>
<th>Coverage</th>
<th>Openness</th>
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<tbody>
<tr>
<td>2017</td>
<td>24 (of 180)</td>
<td>62</td>
<td>53</td>
</tr>
<tr>
<td>2016</td>
<td>23 (of 173)</td>
<td>61</td>
<td>58</td>
</tr>
<tr>
<td>2015</td>
<td>3 (of 125)</td>
<td>65</td>
<td>64</td>
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http://opendatawatch.com
<table>
<thead>
<tr>
<th>YEAR</th>
<th>METHOD</th>
<th>QUESTIONNAIRE</th>
<th>DATE</th>
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<td>1989</td>
<td>Traditional</td>
<td>Individual</td>
<td>1989.01.07-08 /Sunday/ 00:00 hour</td>
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<tr>
<td>2000</td>
<td>Traditional</td>
<td>Household/6 person/</td>
<td>2000.01.08-09 /Sunday/ 00:00 hour</td>
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<tr>
<td>2010</td>
<td>Traditional</td>
<td>Household/6 person/</td>
<td>2010.11.10-11 /Thursday/ 00:00 hour</td>
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<tr>
<td>2015</td>
<td>Register based</td>
<td>PHD, civil registration, social insurance, social welfare,</td>
<td>2015.12.31-2016.01.01 /Friday/ 00:00 hour</td>
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<td></td>
<td>border</td>
<td></td>
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<tr>
<td>2020</td>
<td>Combined</td>
<td>Long, short form</td>
<td>2020.01.08-09 /Thursday/ 00:00 hour</td>
</tr>
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</table>
• Every administrative unit connected to online centralized database.
• For that result every migration can be monitored.
DATA EXCHANGE ARCHITECTURE

National Statistics Office

Government Organization

Cyber Security Agency

Government Exchange System
• This system contains household location points.
• Urban and rural household location digitized using satellite imagery.

• Survey sample frame
  ✓ Social Indicators Sample Survey
  ✓ Household Socio-Economic Survey
  ✓ Labor Force Survey
  ✓ Time Use Survey
  ✓ Multiple indicator cluster survey
  ✓ Woman’s Health and Life Experience Survey

• Conduct address based Housing census.
• Conduct register based Population census.
CENSUS PREPARATION
Thank you for your attention