INTEGRATION OF CRVS AND ID SYSTEMS

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17-19 September 2019, Bangkok
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Land area: 1,564,116 km²

- Mongolia is the 18th-largest and the most sparsely populated sovereign state in the world. It is also the world's second-largest landlocked country and the largest landlocked country that does not border a closed sea.

Capital: Ulaanbaatar

- Ulaanbaatar also shares the rank of the world's coldest capital city with Moscow, Ottawa, and Nur-Sultan.

Official language: Mongolian

GDP: $43,174 billion

- Population: 3,238,479
THE GAP BETWEEN REGISTERED BIRTH AND DEATH

DEATH, thousand

BIRTH, thousand

MOH  NSO  GASR

ICD-10 is a new code set for reporting medical diagnoses & inpatient procedures.
## DATA COMPLETENESS

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</tbody>
</table>

Data source: General Authority for State Registration, 2018
ONE-CITIZEN ONE-REGISTRATION

“MONGOLIA SUSTAINABLE DEVELOPMENT VISION 2030”
Digitize no less than 50% of public service in 2021-2025 and no less than 85% of public service in 2026-2030.

“ACTION PROGRAM OF THE GOVERNMENT OF MONGOLIA FOR 2016-2020“
Carry out gradual improvement of the registration system through implementing “one citizen, one registration” program and create conditions for provision of the state, e-business and online banking services on permanent and equal basis.

“LAW ON CIVIL REGISTRATION”
To register birth and death registration regardless of administrative unit

NATIONAL PROGRAMME ON ONE-CITIZEN ONE-REGISTRATION
ONE-CITIZEN ONE-REGISTRATION

1. Adopted by Government of Mongolia in 2018
2. Duration: 2018-2021
3. Goal:
   • To enhance integrated system of state registration and transferring electronic form to provide prompt delivery public services;
   • To fully digitize source of original evidence and increase electronic usage;
   • To ensure data security and strengthen state memory;
HOUSEHOLD DATABASE

Database of General Authority for State Registration

• State Administrative Bodies
  - Research Organizations
  - Other users
  - Dissemination

Address Database

ID REGISTRATION NUMBER
Family name
Surname
Given name

State Integrated Database

Health database

Education
Social insurance database
Employment
Welfare database

Website, Year book, CD, Infographics

Home Database

Legal entity database
Property Information Database
Civil Information Database

Land Database
STATE INTEGRATED INFORMATION DATABASE

• Connect databases by key features
Every administrative unit connected to online centralized database.
For that result every migration can be monitor.
VITAL STATISTICS DATA EXCHANGE ARCHITECTURE

National Statistics Office

GASR

MINISTRY OF HEALTH

VITAL STATISTICS

Cyber Security Agency

Government Exchange System
JOINT MEMORANDUM

To improve birth and death statistics

To enhance registration system

To provide prompt delivery public services

National Statistics Office /NSO/

Ministry of Health /MOH/

General Authority for State Registration /GASR/
BIRTH AND DEATH REGISTRATION

Integrated classification of basic databases.

- Monthly administrative statistics
- General Authority for State Registration
- Ministry of Health
- Population and Household database
- National ID number
- Gender
- Employment
- Education
- Marriage
- National ID number
- Birth and Death
- Height
- Weight
- Children information
# BIRTH AND DEATH REGISTRATION

<table>
<thead>
<tr>
<th></th>
<th>Year, month</th>
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<tr>
<td>Birth, by gender</td>
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<td>Death, by gender</td>
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<td>Children</td>
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<tr>
<td>Twin</td>
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<tr>
<td>Weight</td>
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<tr>
<td>Height</td>
<td>+</td>
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<td>Head and shoulder</td>
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</tr>
<tr>
<td>Circumference</td>
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<tr>
<td>Birth time</td>
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<tr>
<td>Mother, who gave a birth /GASR/</td>
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<td>Age group</td>
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<tr>
<td>Education level</td>
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<tr>
<td>Marital status</td>
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<tr>
<td>Employment</td>
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</table>
To send birth information to General Authority for State Registration through online registration system;
To provide national ID number for children who is born in Maternity hospital
To serve health service and facility by national ID number.
BIRTHS, registered in the first 8 months of 2019

MOTHERS

- Mothers by age group, percentage:
  - 45-49: 0.2%
  - 40-44: 3.9%
  - 35-39: 15.3%
  - 30-34: 25.8%
  - 25-29: 29.7%
  - 20-24: 21.6%
  - 15-19: 3.5%

Marital status by percentage:
- Married: 44.9%
- Single or living together: 52.6%
- Divorced: 1.0%
- Uncertain: 1.5%

NEWBORN

- General indicators:
  - Weight: 3182 gr
  - Height: 47.5 cm
  - Head round size: 36.1 cm
  - Shoulder round size: 35.1 cm

Newborn by hour, percentage:
- 00:00-03:00: 9.1%
- 03:00-06:00: 17.0%
- 06:00-09:00: 13.6%
- 09:00-12:00: 11.7%
- 12:00-15:00: 10.6%
- 15:00-18:00: 7.9%
- 18:00-21:00: 9.9%
- 21:00-24:00: 20.1%

Education level by percentage:
- Master and over: 0.7%
- Bachelor: 33.5%
- Specialized secondary: 2.2%
- Technical and Vocational: 3.0%
- Upper secondary: 38.7%
- Lower secondary: 14.7%
- Primary: 5.5%
- No education: 1.7%

Employment status by percentage:
- Paid employee: 30.6%
- Self-employed: 3.9%
- Unpaid family workers: 12.8%
- Others: 0.4%
- Uncertain: 52.3%
ICD-10

- 2014: Using new version
- 2007: Translated into Mongolia
- 1998: Implemented in health from

Дэлхийн Эрүүл Мэндийн Баярлалтаа
Жагсаалт 100
1st cause of death in Mongolia

DISEASES OF THE CIRCULATORY SYSTEM

Male  Female
2nd cause of death in Mongolia
3rd cause of death in Mongolia

INJURIES TO THE HEAD

Male
Female
CHALLENGES

1. Infrastructure
   - To establish integrated network
   - To understand the country distinction /large territories…/

2. Finance

3. Legal environment
   - Institute’s role?

4. Data confidentiality

5. Human resources
   - To have a good knowledge of ICED-10