

INTEGRATION OF CRVS AND ID SYSTEMS

AMARBAL Avirmed

Director, Population and Social Statistics Department,
National Statistics Office of Mongolia

Preparation for the meeting of Regional Steering
Group on CRVS in Asia and the Pacific
17-19 September 2019, Bangkok

CONTENTS

1. One-citizen one-registration
2. Inter-Agency integrated government database
3. Vital statistics data exchange architecture
4. Joint memorandum
5. Birth and death e-registration
6. ICD-10
7. Challenges

MONGOLIA



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**

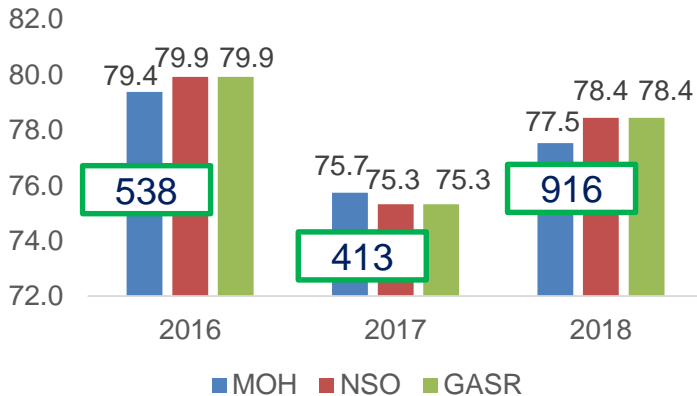
GDP: **\$43,174 billion**

- Population: **3,238,479**

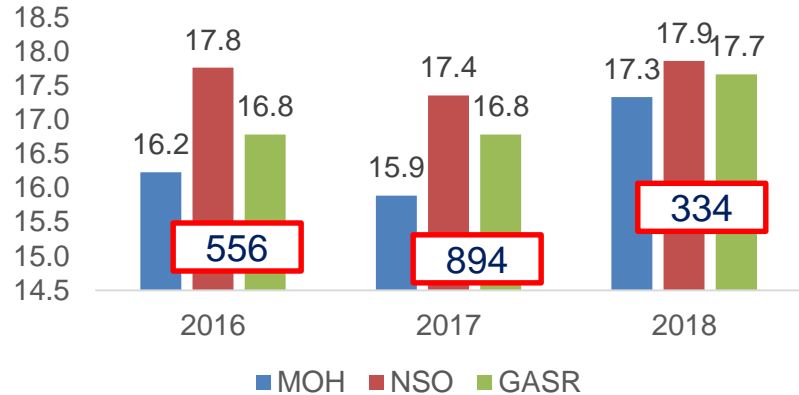
THE GAP BETWEEN REGISTERED BIRTH AND DEATH

GAP

BIRTH, thousand



DEATH, thousand



TENTH REVISION
ICD-10
 INTERNATIONAL CLASSIFICATION OF DISEASES
 ICD-10 is a new code set for reporting medical diagnoses & inpatient procedures.

DATA COMPLETENESS

Registered birth	Total	Registered month												Birth before 2018
		Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	
Total	79 687	6 513	5 852	6 858	6 592	6 746	6 593	6 627	6 812	6 384	6 541	6 390	3 459	4 320
Jan	7 704	4 079												3 625
Feb	5 698	2 191	3 323											184
Mar	6 603	156	2 329	3 999										119
Apr	6 731	36	128	2 647	3 845									75
May	6 731	18	23	126	2 576	3 933								55
June	6 522	6	20	36	108	2 595	3 708							49
July	6 507	5	4	20	25	142	2593	3 680						38
Aug	7 018	6	12	14	15	44	204	2 646	4 028					49
Sep	6 091	6	2	4	10	17	53	207	2 547	3 207				38
Oct	7 283	5	8	6	5	12	28	55	180	3 026	3 917			41
Nov	6 486	4	3	3	2		5	22	43	116	2 465	3 799		24
Dec	6 313	1		3	6	3	2	17	14	35	159	2 591	3 459	23

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”

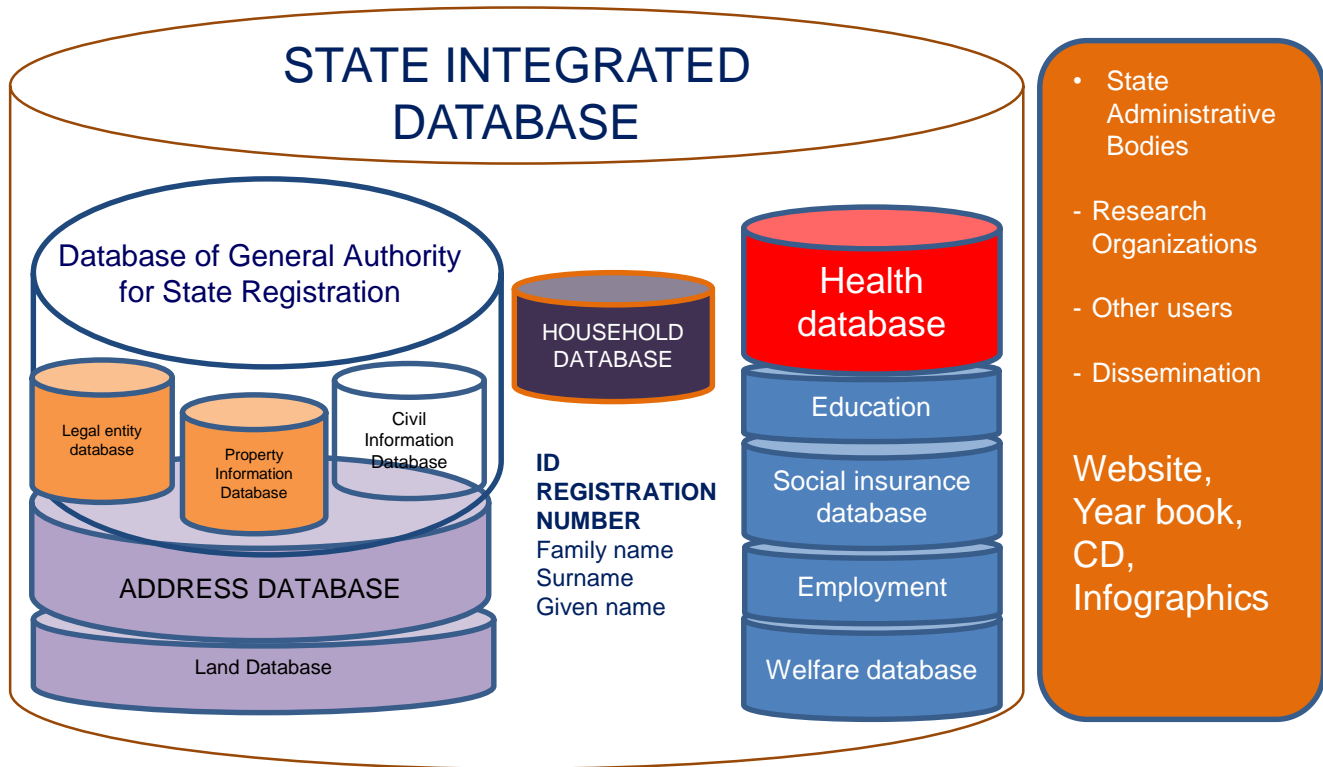
To register birth and death registration regardless of administrative unit

NATIONAL PROGRAMME ON ONE-CITIZEN ONE-
REGISTRATION

ONE-CITIZEN ONE-REGISTRATION

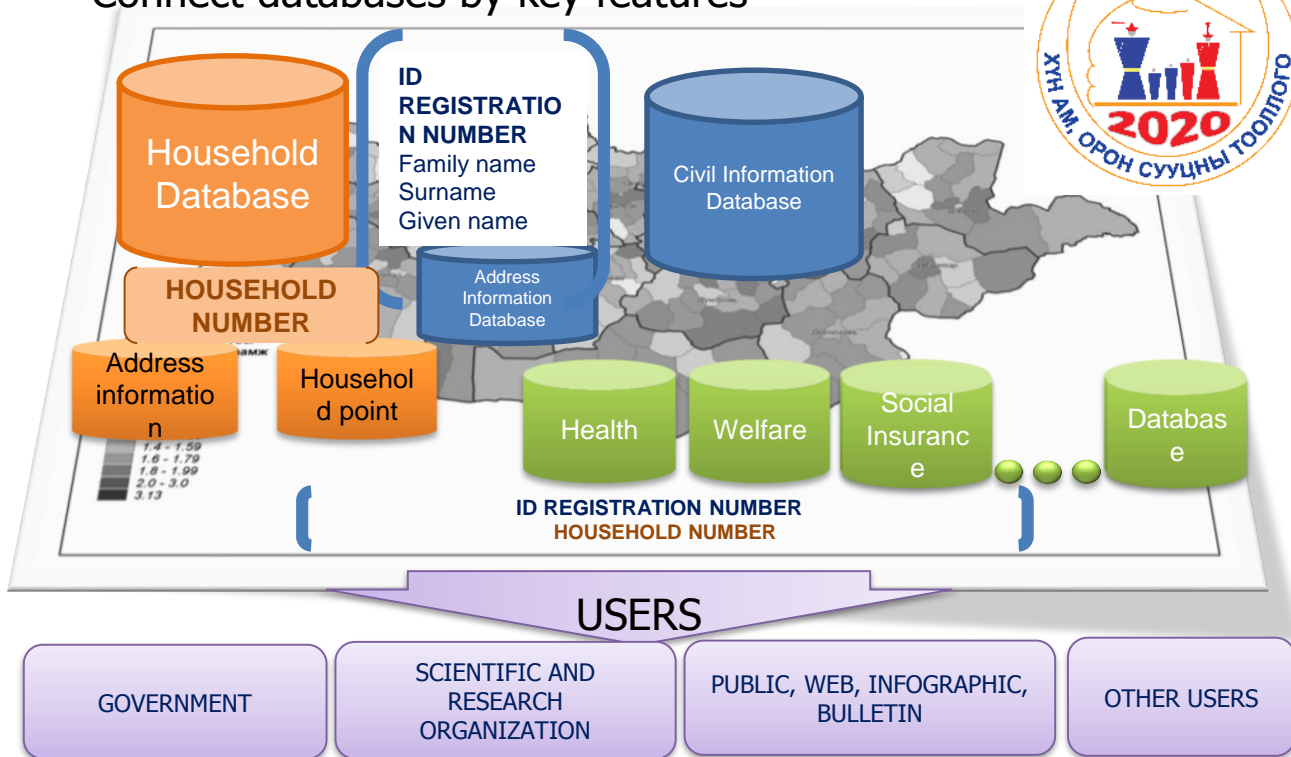
1. Adopted by Government of Mongolia in 2018
2. Duration: 2018-2021
3. Goal:
 - To enhance integrated system of state registration and transferring electronic form to provide prompt delivery public services;
 - To fully digitize source of original evidence and increase electronic usage;
 - To ensure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

INTER-AGENCY INTEGRATED GOVERNMENT DATABASE



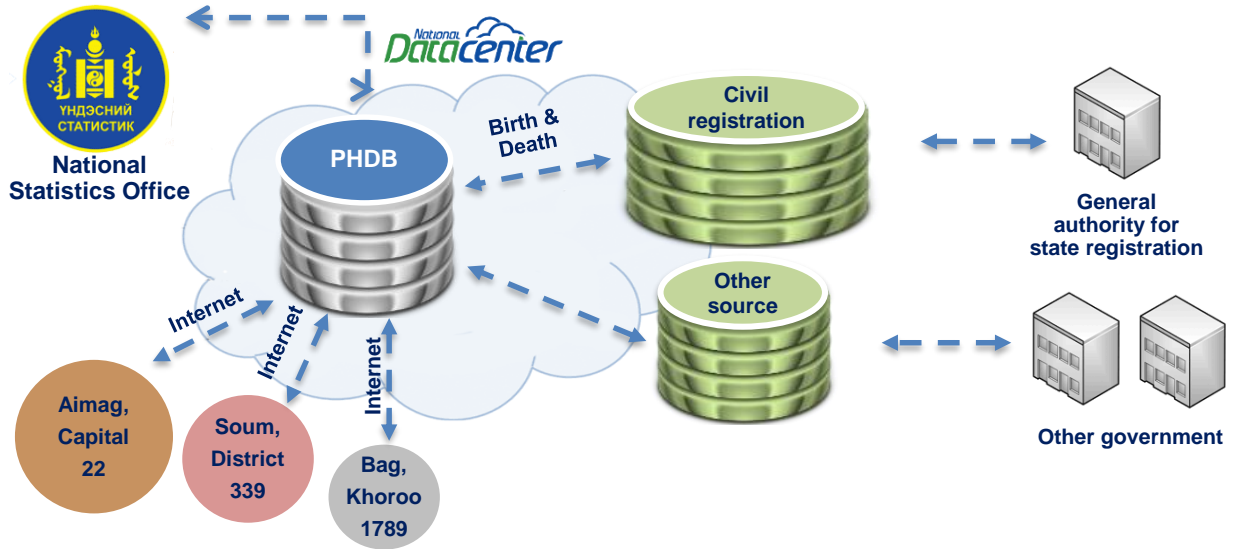
STATE INTEGRATED INFORMATION DATABASE

- Connect databases by key features

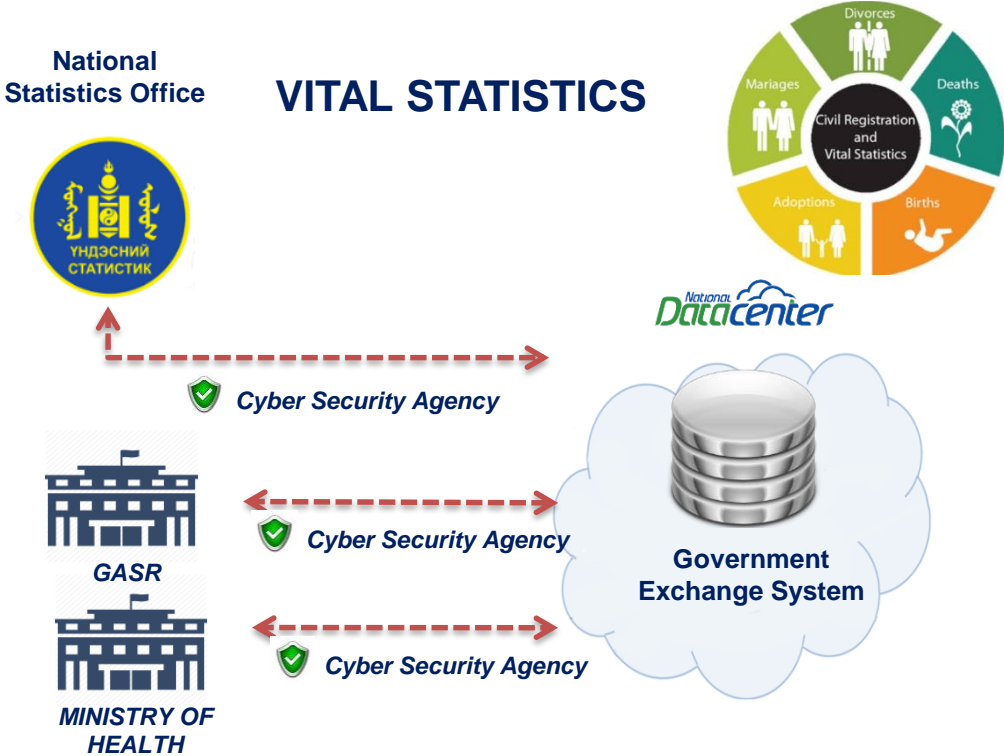


POPULATION AND HOUSEHOLD DATABASE - PHDB

- Every administrative unit connected to online centralized database.
- For that result every migration can be monitor.



VITAL STATISTICS DATA EXCHANGE ARCHITECTURE

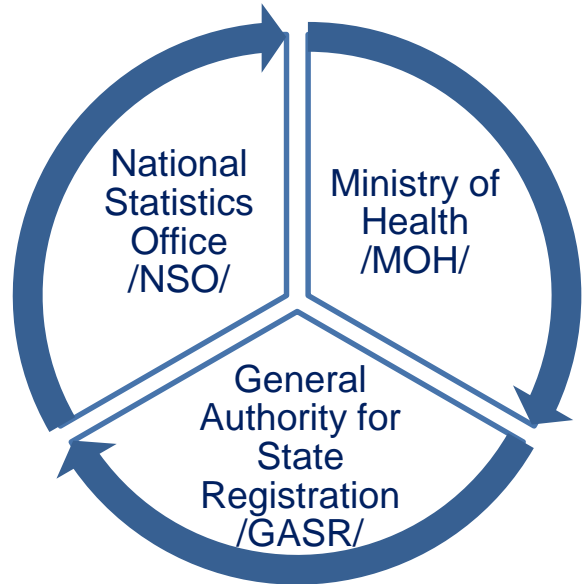


JOINT MEMORANDUM

To improve birth and death statistics

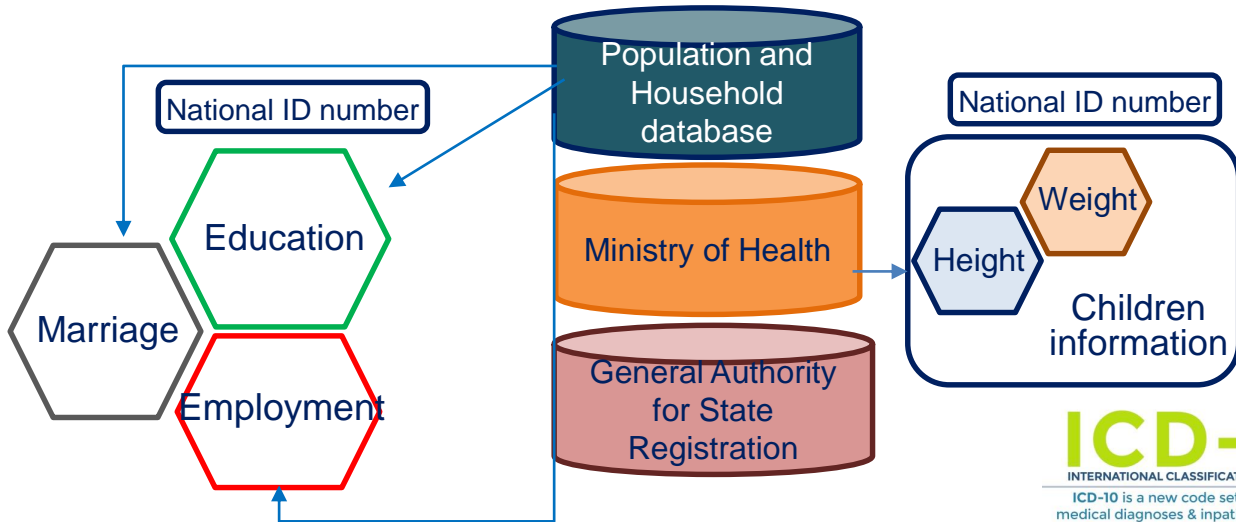
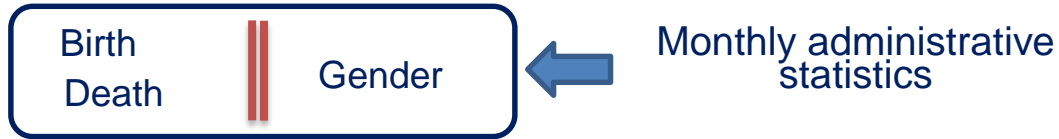
To enhance registration system

To provide prompt delivery public services



JOINT MEMORANDUM

BIRTH AND DEATH REGISTRATION



Integrated classification of basic databases.

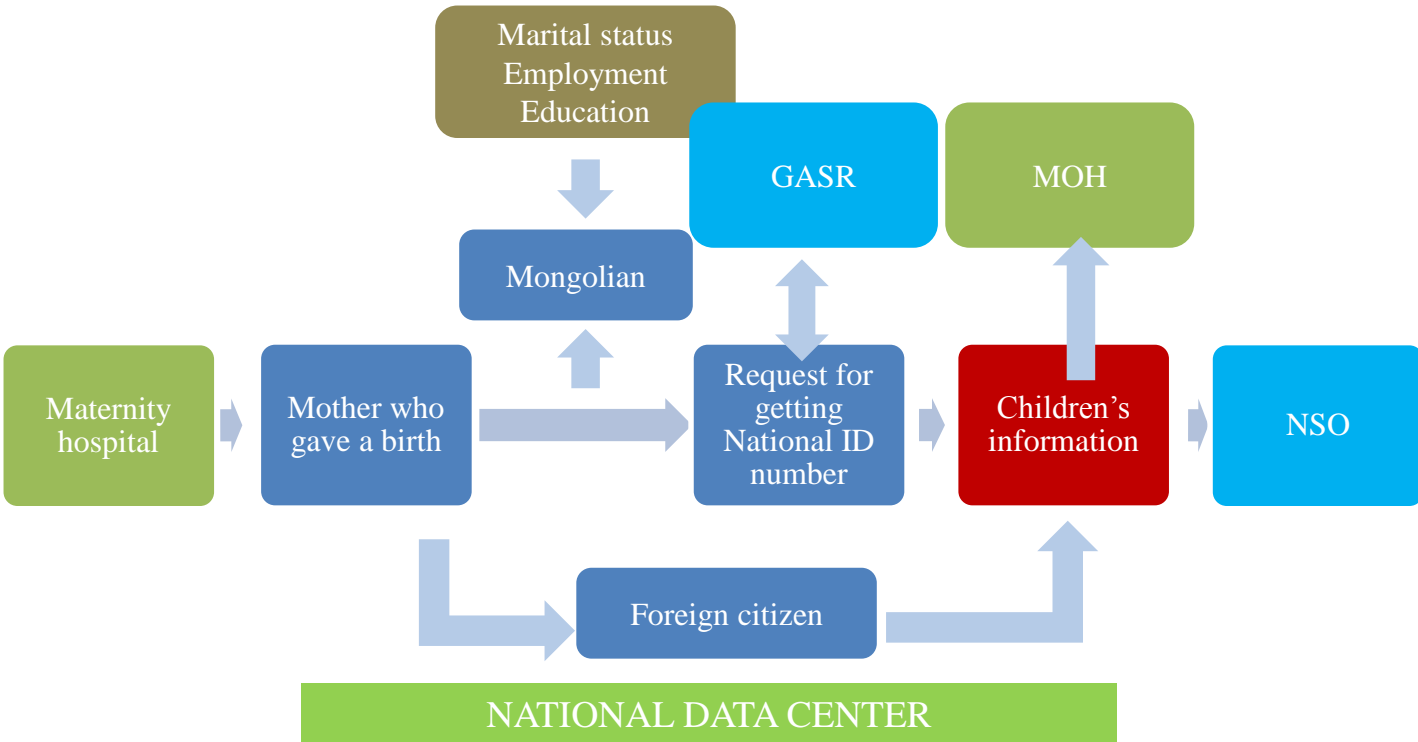
TENTH REVISION
ICD-10
INTERNATIONAL CLASSIFICATION OF DISEASES
ICD-10 is a new code set for reporting
medical diagnoses & inpatient procedures.



BIRTH AND DEATH REGISTRATION

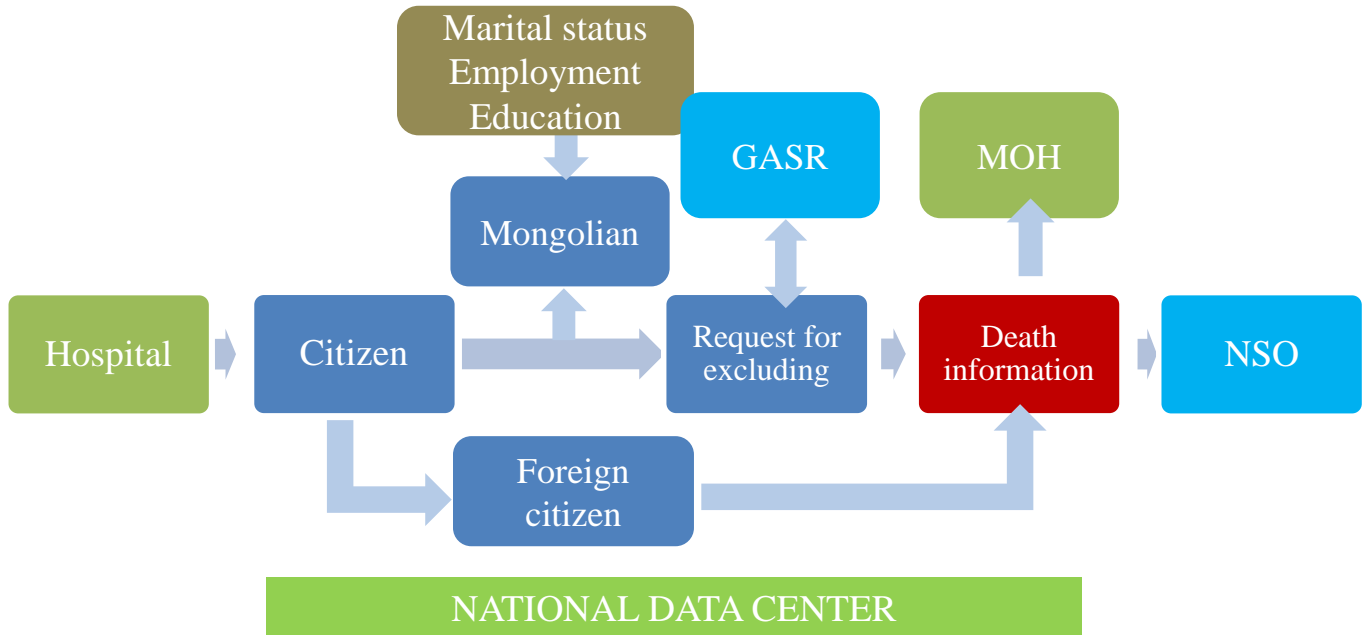
	Year, month	Day
Birth, by gender	+	+
	+	
Death, by gender	+	+
	+	
Children		+
Twin		+
Weight		+
Height		+
Head and shoulder		+
Circumference		
Birth time		
Mother, who gave a birth /GASR/		+
Age group		+
Education level		+
Marital status		+
Employment		+

BIRTH E-REGISTRATION



*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.*

DEATH E-REGISTRATION



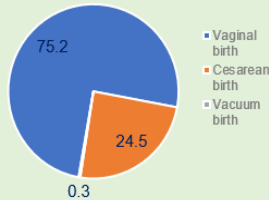
DASHBOARD

BIRTHS, registered in the first 8 months of 2019

BIRTHS

MOTHERS: 51 249
 BIRTHS: 52 202
 BOYS: 26 703
 GIRLS: 25 499
 TWINS: 1 751

TYPES OF DELIVERY

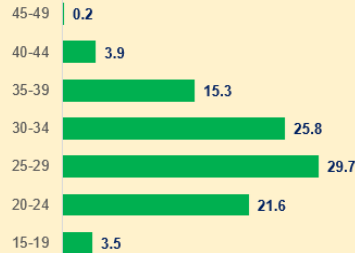


MOTHERS

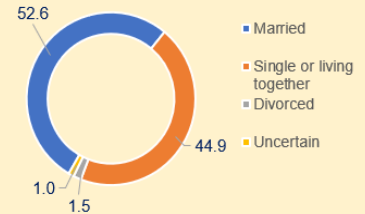
Mean age: 29.2



Mothers by age group, percentage



Marital status by percentage



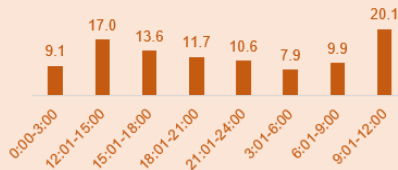
NEWBORN

GENERAL INDICATORS

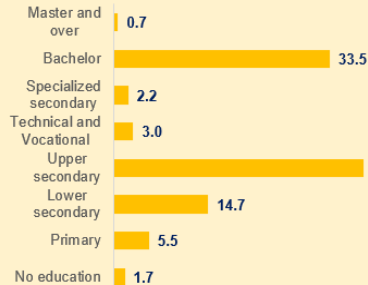


WEIGHT: 3182 gr
 HEIGHT: 47.5 cm
 HEAD ROUND SIZE: 36.1 cm
 SHOULDER ROUND SIZE: 35.1 cm

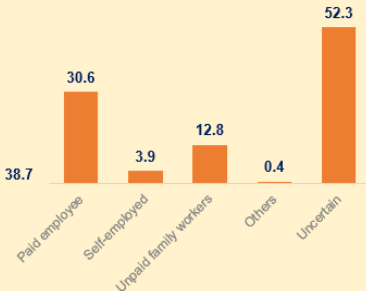
Newborn by hour, percentage



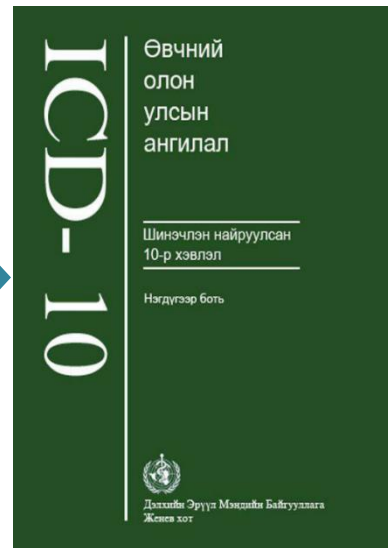
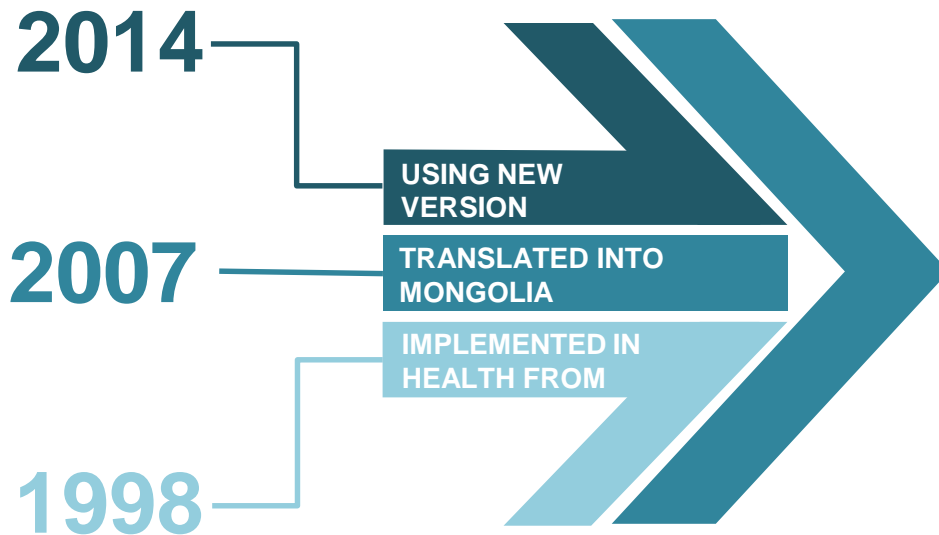
Education level by percentage



Employment status by percentage

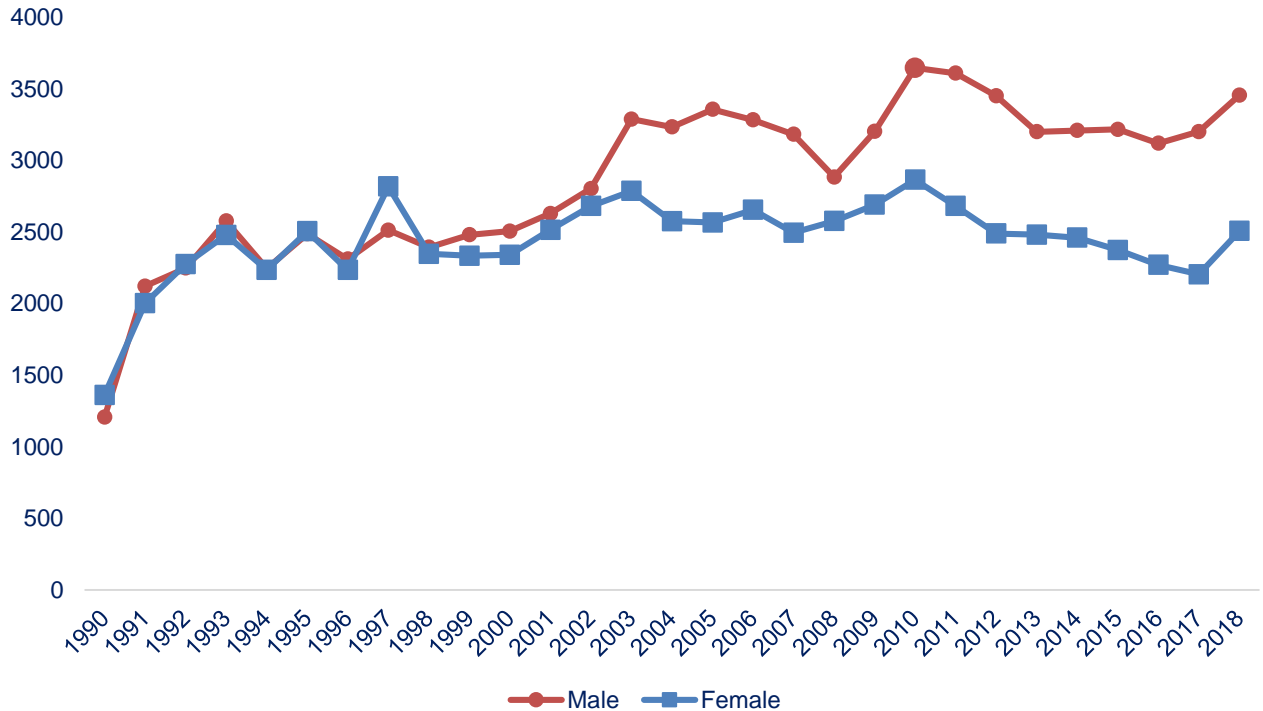


ICD-10



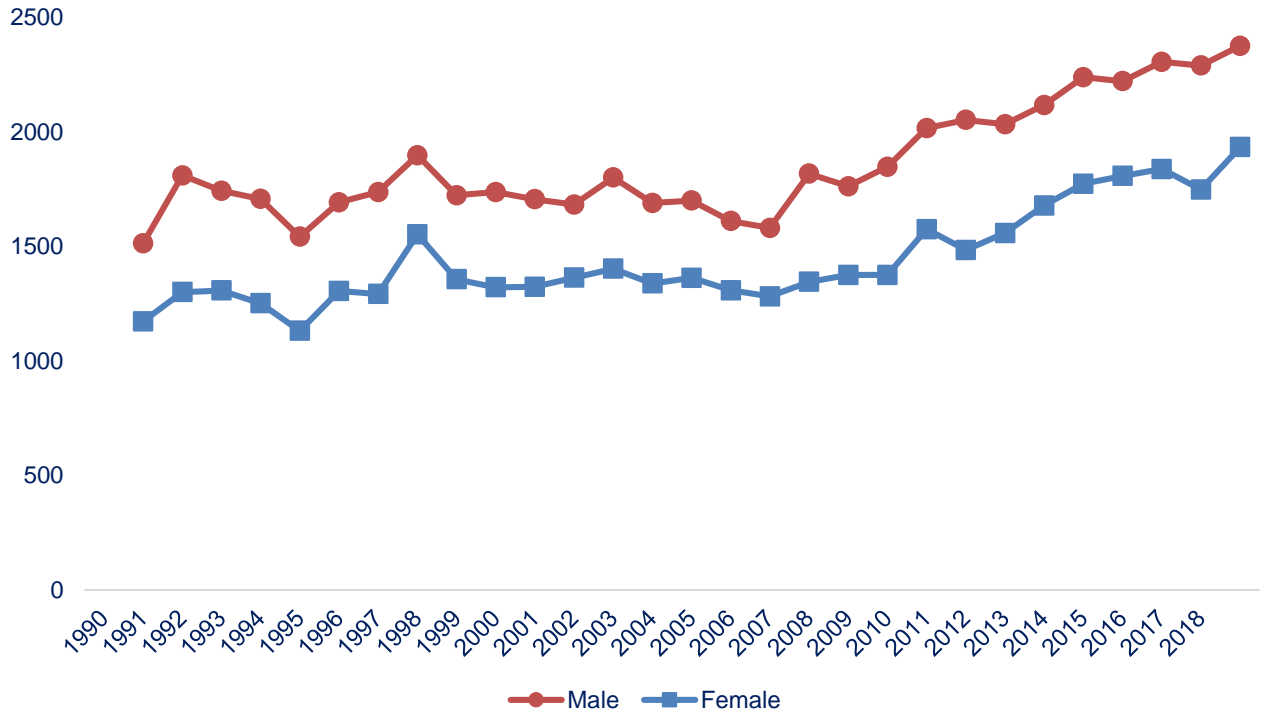
1st cause of death in Mongolia

DISEASES OF THE CIRCULATORY SYSTEM



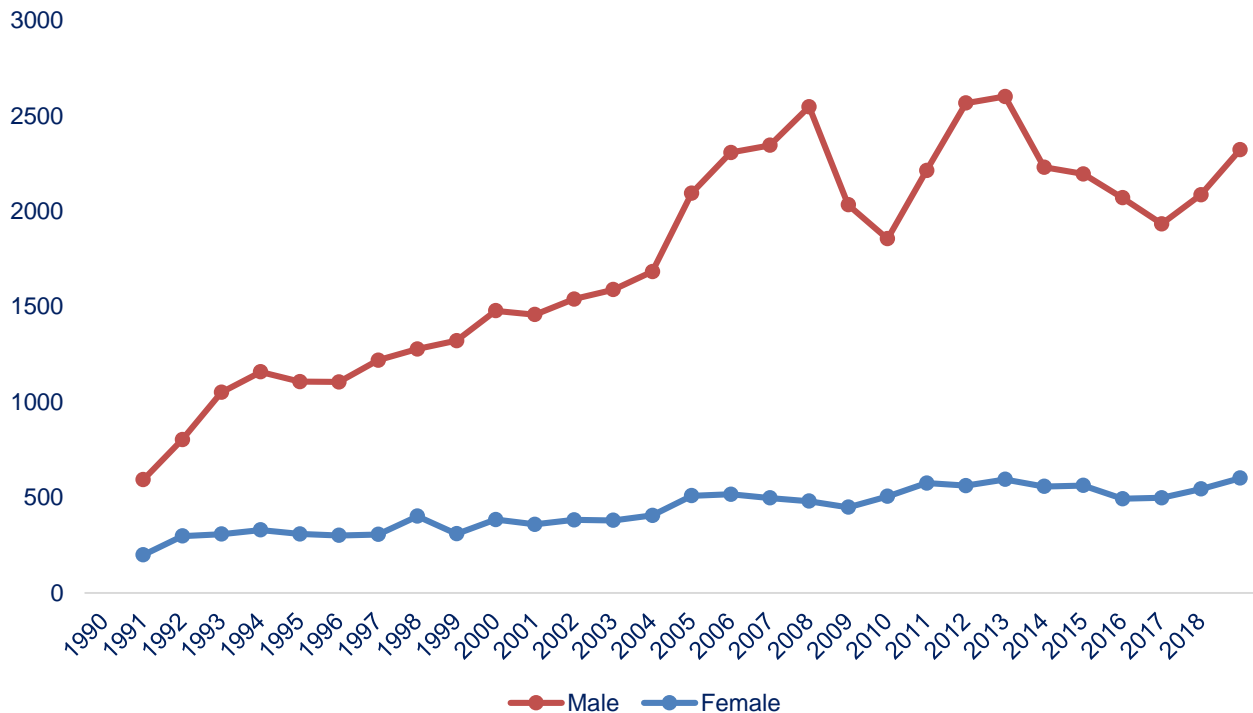
2nd cause of death in Mongolia

NEOPLASMS



3RD cause of death in Mongolia

INJURIES TO THE HEAD



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