

# Using administrative data sources for producing disaggregated data

Jan. 28, 2019

Bangkok, Thailand

**Insang Ryu**



Statistics Korea

# Legal Framework

- **Statistics Act**

- **April 2007**

- Article 24 : The central or local government may request the administrative data from public agencies if required in order to produce official statistics

- **February 2018**

- Article 18 : The head of statistics service agency shall judge in advance whether it is possible to produce statistics by utilizing administrative data before he/she obtains approval

- **Basic Law on National Taxes**

- **February 2009**

- Article 82 : . . . National Tax Office can provide tax information . . . if any of the following conditions are met
      - 5. National Statistical Office requires tax information for the purpose of producing official statistics

# Use of administrative data

- **Replacement, Verification, Editing**

	2015	2016	2017	2018
<b>TOTAL</b>	<b>40</b>	<b>49</b>	<b>49</b>	<b>45</b>
Replace all items	7	10	10	10
Replace partial items	21	26	29	24
Verify / Edit	12	13	10	11

- **Official Statistics by KOSTAT**

<b>Total</b>	5yrs	2yrs	1yrs	1/2yrs	1/4yrs	Monthly
<b>61</b>	6	1	32	3	3	16

# Official Statistics

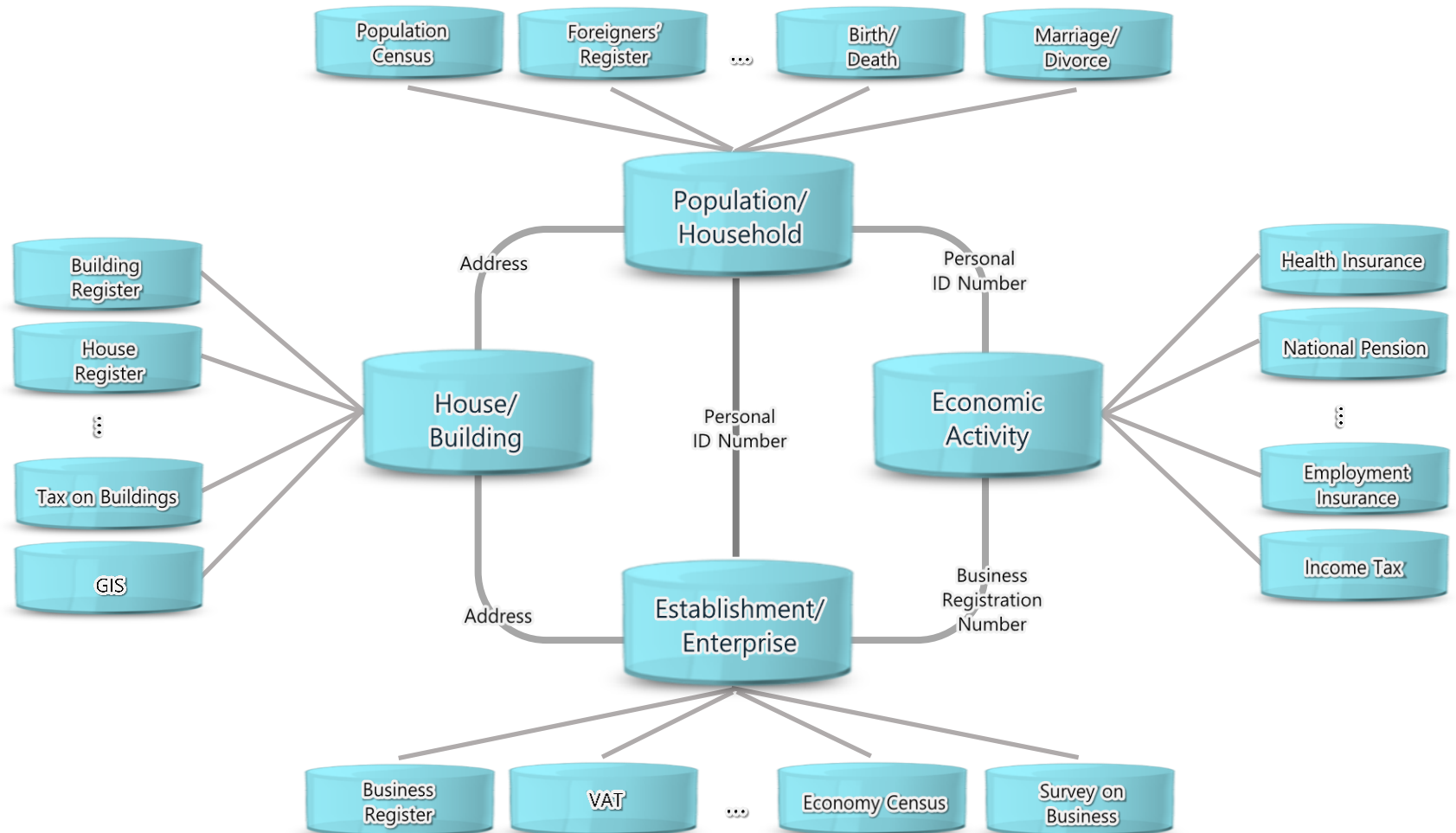
compiled by using administrative data sources

- **Employment Position Statistics** (2012)
- Statistics on Returned Farmers and Migrators to Rural Regions (2012)
- Business Demography Statistics (2012)
- Profit Corporation Statistics (2013)
- **Statistics on Possession of Private Houses** (2013)
- **Newlyweds Statistics** (2016)
- Retirement Pension Statistics (2016)
- **Employment Position Statistics – Public Sector** (2017)
- **Employment Position Statistics – ICT Industries** (2018)
- **Middle-aged(ages 40-64) Statistics** (2018)

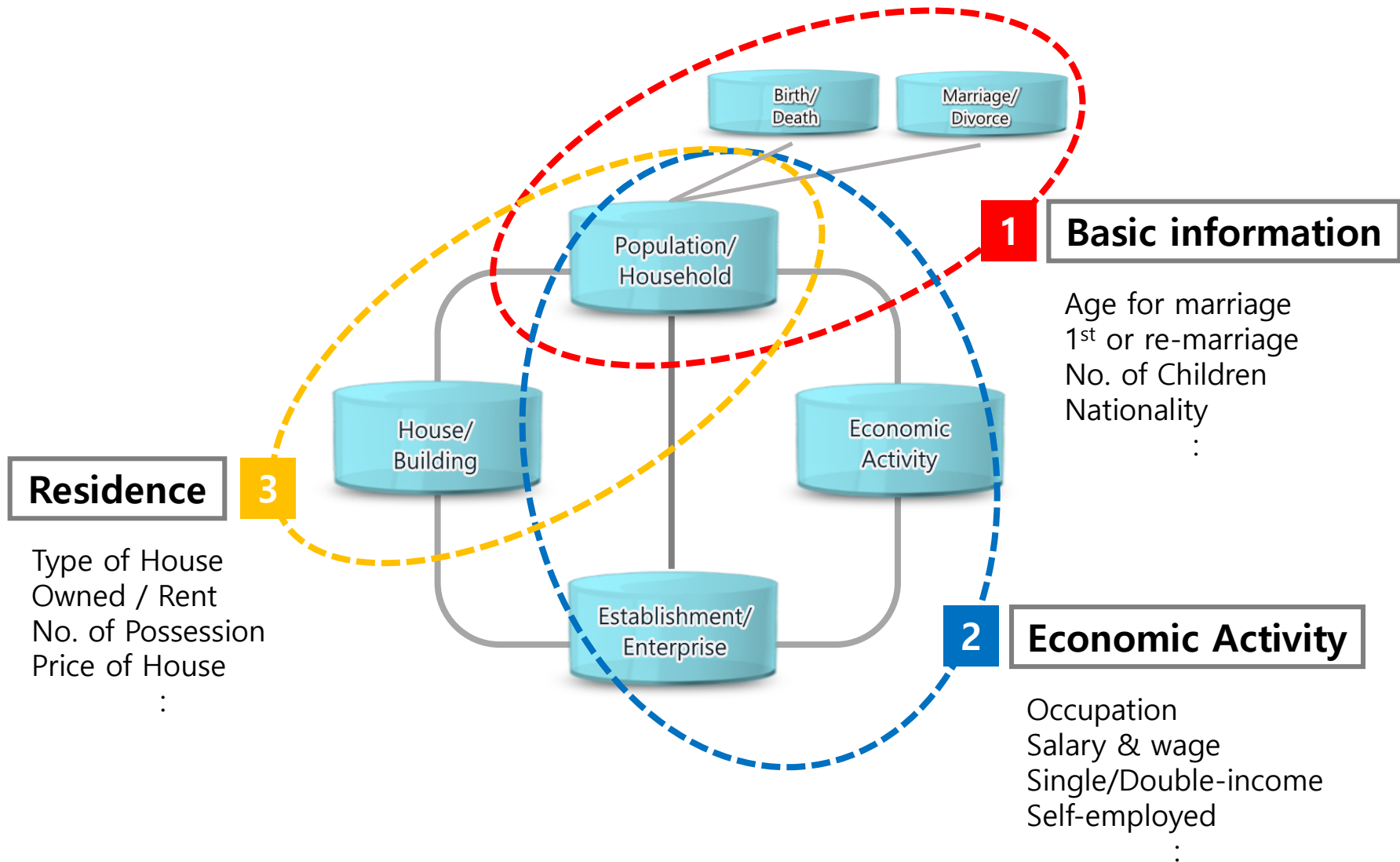
# **Political Demands for Newlyweds Statistics**

- **Changes in social environment**
    - Late marriage and low birth rate
    - Rising housing prices
    - High cost of wedding and child care
- ⇒ **To make customized policies,  
customized Statistics are Required.**

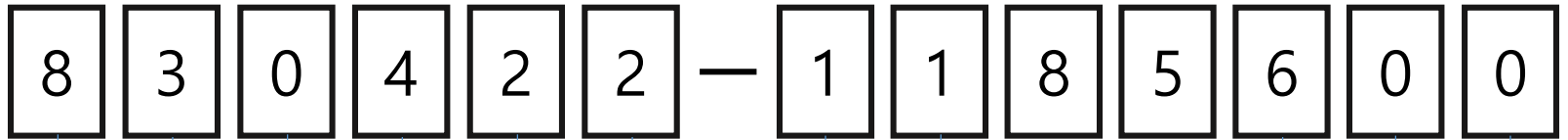
# Linkage among Statistical DBs



# Newlyweds Statistics



# Resident Registration Number



YY

MM

DD

**Birth day**

**Gender**

**Birthplace**

**Serial No.**

**Verification No.**

20<sup>th</sup>C

1 : M

2 : F

21<sup>st</sup>C

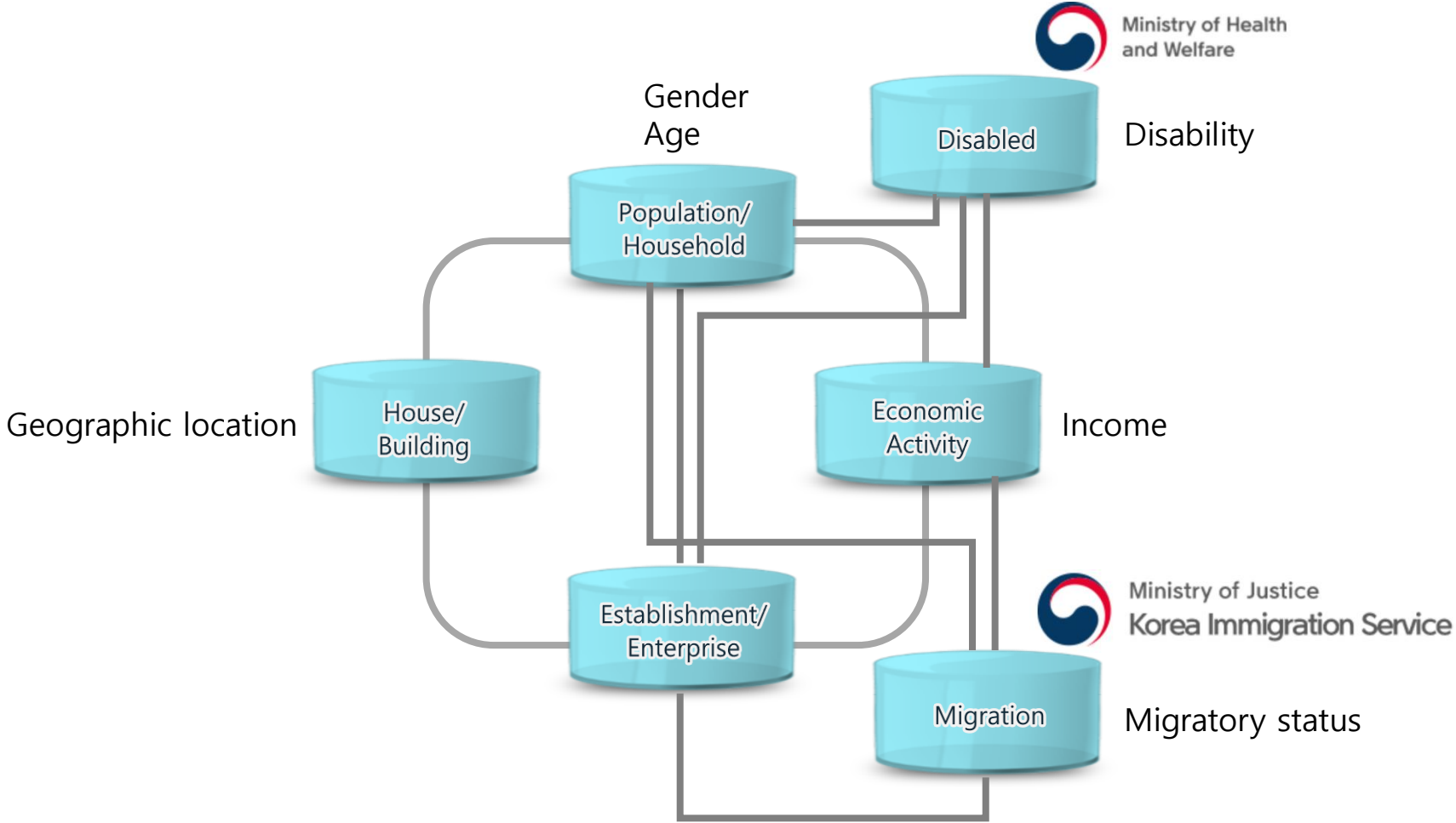
3 : M

4 : F

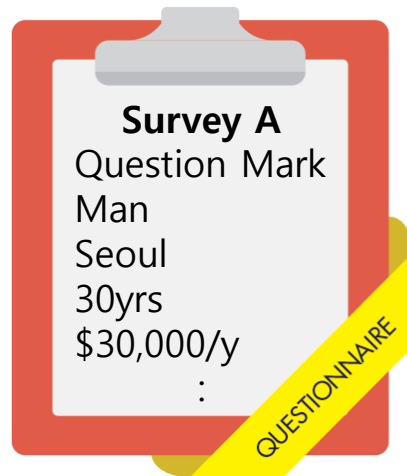




**17.18** By 2020, enhance capacity-building support to developing countries, including for least developed countries and small island developing States, to increase significantly the availability of high-quality, timely and reliable data disaggregated by income, gender, age, race, ethnicity, migratory status, disability, geographic location and other characteristics relevant in national contexts

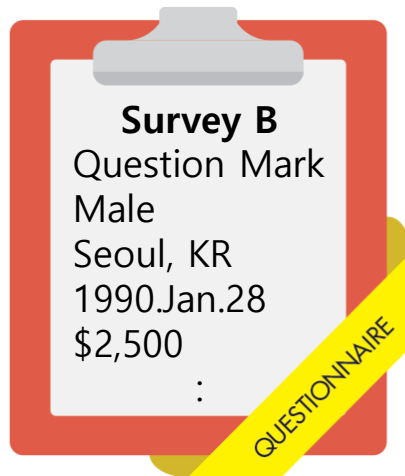






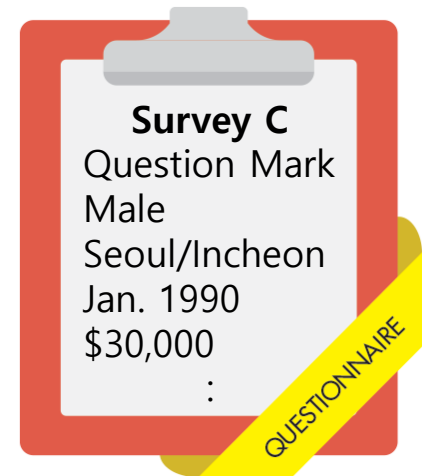
**Survey A**  
Question Mark  
Man  
Seoul  
30yrs  
\$30,000/y  
:

QUESTIONNAIRE



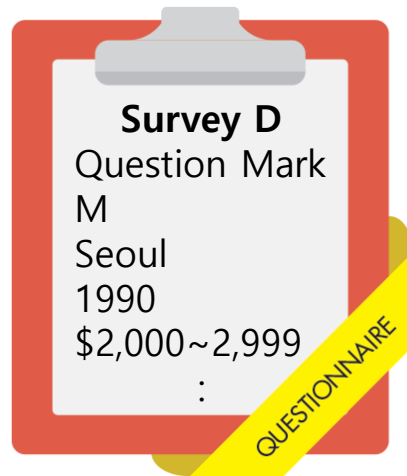
**Survey B**  
Question Mark  
Male  
Seoul, KR  
1990.Jan.28  
\$2,500  
:

QUESTIONNAIRE



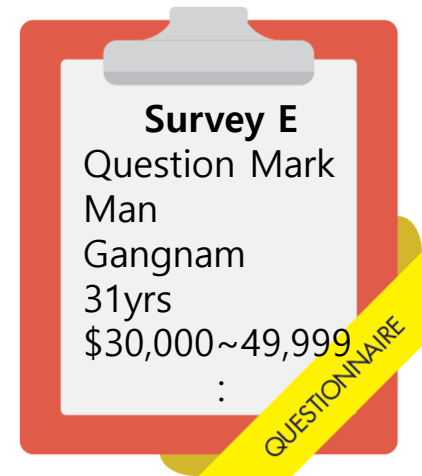
**Survey C**  
Question Mark  
Male  
Seoul/Incheon  
Jan. 1990  
\$30,000  
:

QUESTIONNAIRE



**Survey D**  
Question Mark  
M  
Seoul  
1990  
\$2,000~2,999  
:

QUESTIONNAIRE

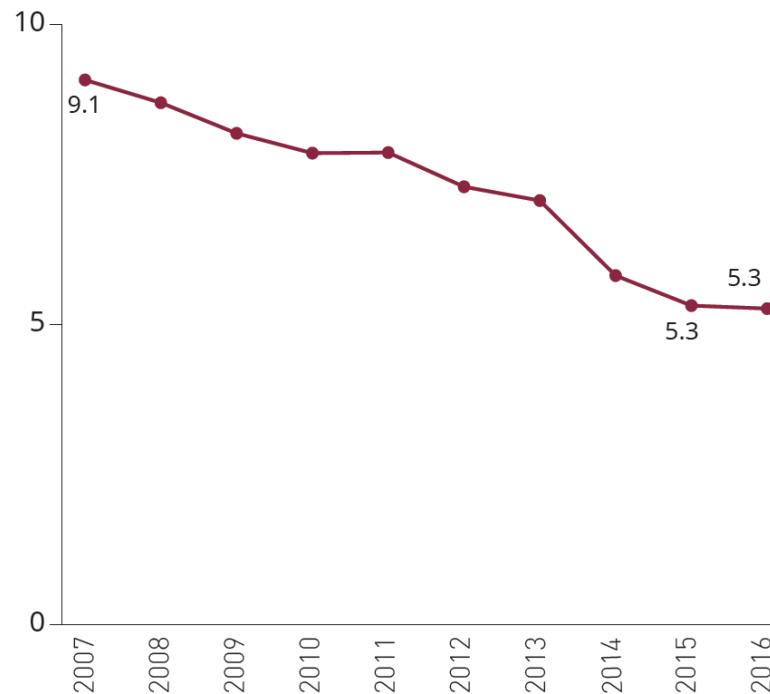


**Survey E**  
Question Mark  
Man  
Gangnam  
31yrs  
\$30,000~49,999  
:

QUESTIONNAIRE

## 8.8.1 Frequency rates of fatal and non-fatal occupational injuries, by sex and migrant status

Fatal occupational injuries among employees, by sex and migrant status (per 100,000 employees)



Sources : ILOSTAT - Occupational Accidents and Injuries Records

# Challenges

- **Privacy protection**

- Survey : Hard to get personal information from respondents
- Admin : Hard to get admin data from agencies

- **Relation between agencies**

- Cooperation / collaboration
- Data harmonization / standardization

# Thank you

**Insang Ryu**

insang1@korea.kr