Use and Role of Administrative Records/Data In The Modern Turkish Official Statistics Production Process

2024 Expert Meeting on Statistical Data Collection and Sources
22-24 May, 2024
Geneva
In this study,

within the framework of Turkey's example,

applications regarding the Use and Role of Administrative Records/Data in the modern official statistics production process will be revealed.
Use and Role of Administrative Records/Data

The data that forms the basis of statistics;

- Surveys
- Administrative records/data

The truest guide in life is knowledge and science.
Administrative records/data provide...in statistical production processes.

✓ savings,

✓ labor and costs,

✓ Also ensuring regular information production (annual, monthly, etc.)
New Vision of TURKSTAT

- becoming Türkiye’s Data Governance Center

Goal:

- increasing the role of administrative records/data in the official statistics production process
Use and Role of Administrative Records/Data

Legal Basis:

- Turkish Statistical Law, No. 5429
  - authority to access administrative records/data
- Official Statistics Program (OSP)
  - 2007-2011
  - 2012-2016
  - 2017-2021
  - ....2022-2026
Official Statistics Program;

- for a 5-year period
- in order to
  - determine the basic principles and standards
  - dealing with the production and dissemination of official statistics
  - to produce reliable, timely, transparent and impartial data required at national and international level.
Use and Role of Administrative Records/Data

The main aim of the OSP:

✓ to create a disciplined statistical production process by passing on to a disciplined statistical management

Visit for more details  https://www.resmiistatistik.gov.tr/
Use and Role of Administrative Records/Data

Official Statistics Program Statistical Study themes

1. Statistical Infrastructure
2. Demographic Statistics
3. Social Statistics
4. Employment Statistics
5. Economic Statistics
6. Price Statistics
7. Sectoral Statistics
8. Agriculture Statistics
9. Environment Statistics and Sustainable Development
10. Quality of Life Statistics

42 OSP Working Groups
Summary administrative record data statistics:

- produces 110 statistical products
- 399 administrative record/data
  - 80 public institutions/organizations,
  - 47 universities and private sector companies.
Use and Role of Administrative Records/Data

Administrative record/data is transferred to TURKSAT:

- regularly (instant, weekly, monthly, quarterly and annually)
- via CD, mail, FTP, sFTP and webservice methods

Efforts continue to increase the use of administrative records/data in statistical products.
Administrative Records Inventory Software Project

With the Project, administrative records/data:

- received through a single system
- supply in standard format
- access to metadata of data
- monitoring and reporting through the system
- Etc.
Administrative Data and Register Systems
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Administrative Data in Türkiye</td>
<td></td>
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<tr>
<td>1.</td>
<td>Statistical Business Registers</td>
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<td>2.</td>
<td>Agricultural Business Registration System</td>
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<td>3.</td>
<td>Address Registration System</td>
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<td>4.</td>
<td>Migration Registration System</td>
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<td>5.</td>
<td>National Address Database</td>
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<td>6.</td>
<td>Education-Labour Force Database</td>
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</tbody>
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Main Administrative Data Systems in Türkiye

- **Central Population Management System (MERNIS)**
  - Birth, death, marriage and divorce events, citizenship and other vital events

- **National Address Database (NAD)**
  - All address components within the borders of the country.

- **Address Based Population Registration System (ABPRS)**
  - Personal information in MERNIS was matched with address information
**Republic of Türkiye Identity Number**

- Unique ID number in MERNIS
- assigned to all Turkish Citizens
- comprised of 11 digits
- Used nationwide by all government agencies in public services

Provides:

- Registering all vital events occurred from the moment of birth
- Fast and efficient public services
- Fast and efficient identification
- Linkage between addresses and personal information.
Use and Role of Administrative Records/Data

Main Structure

Central Civil Registration System (MERNİS)  National Address Database (NAD)  Foreigners living in Turkey

Address Based Population Registration System
Use and Role of Administrative Records/Data

ABPRS as a statistical register

Address Register System
(as of 31st December)

INSTITUTIONAL POPULATION

Institutional Living Quarters Address Database by Regional Offices
Other Institutional Addresses in NAD
Institutional Population from registers (Military Barracks, Dormitories etc.)
Use and Role of Administrative Records/Data

Statistics produced annually produced from ABPRS (since 31 December 2007)

- Population size by localities
- Age and sex structure
- Literacy and completed level of education
- Nationality (country of citizenship)
- Marital status
- Place of civil registration
- Mean household size
- Internal migration (since 2009)
- Place of birth (since 2014)
- Type of households (since 2016)
- Immigration and emigration (since 2016)

ABPRS is also base for:
- Life tables
- Population projections

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Use and Role of Administrative Records/Data

Population Characteristics Database

- Social Security Registers: contains the insured's earnings, premium amount, premium payment days, etc. records
- Income and Tax Registers: contains the Annual Income Tax Return and earnings records
- Employment and Unemployment Registers: contains Turkish Employment Agency’s job seeker’s records
- Registers of Disabled Persons: contains type of disability and rate of disability
- Education and Exams Registers: contains active and passive students records and higher education exams and exams for job
- Agricultural Registers: contains agricultural activities of persons
- Tradesman Information System: contains records of tradesmen
- Road Motor Vehicle Registers: contains records of motor vehicles
- Retirement Registers: contains records of retired persons
- Social Assistance Registers: contains disabled pension, widow’s pension, orphan’s pension and other social assistance

Data Anonymization:
Transformation of ID numbers to random Statistical Numbers

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PCDB

Turkish Republic ID Number

Environment and Energy  Transportation and Communication  Justice  Agriculture  Health  Trade and Services  Other…

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Population Characteristics Database (PCDB):

provides integrated information at individual level such as

- Age-sex structure
- Nationality
- Disability
- Education
- Employment status
- Marital status
- Property
- Migration
- Family structure
## Use and Role of Administrative Records/Data

<table>
<thead>
<tr>
<th>Census Year</th>
<th>Method</th>
<th>Cost (According to March 2024)</th>
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<tbody>
<tr>
<td>2000</td>
<td>Traditional</td>
<td>39 million Euro</td>
</tr>
<tr>
<td>2007</td>
<td>Establishment of the ABPRS</td>
<td>32 million Euro</td>
</tr>
<tr>
<td>2011</td>
<td>Combined</td>
<td>8 million Euro</td>
</tr>
<tr>
<td>2008-2023</td>
<td>Production from the ABPRS</td>
<td>0 Euro</td>
</tr>
</tbody>
</table>

ABPRS 17 years old. Alternative perspective: Cost per year: 1.8 million Euro

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For questions and more details please contact us

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