



**United
Nations**

Department of
Economic and
Social Affairs

Data dissemination in the DYB system

Hiroaki Ogawa

Associate Editor for the DYB

Demographic Statistics Section

United Nations Statistics Division



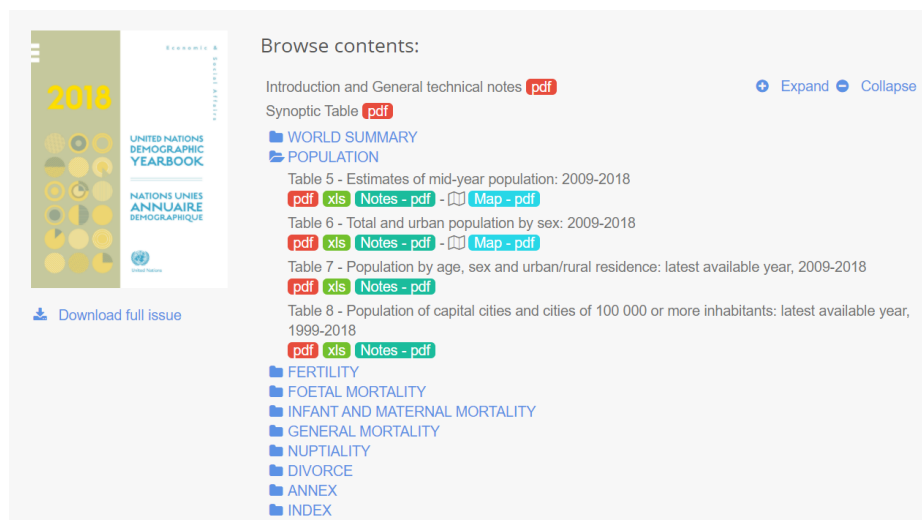


Data Dissemination in the DYB system

1. [Demographic Yearbook Collection](#)
 - PDF formats: digitalization of previous and current DYBs
 - Tabulations in Excel for recent years
2. Digital data dissemination in record format through [UNdata](#) portal

Demographic Yearbook Collection

- DYB tabulations are disseminated in PDF and Excel in [our DYB webpage](#).
- **Demographic Indicators** – population density, rate of natural increase etc
- With technical notes containing definition, reliability and limitation



The screenshot shows the 'Browse contents' page for the 2018 Demographic Yearbook. On the left is a thumbnail of the yearbook cover, which includes the text '2018', 'UNITED NATIONS DEMOGRAPHIC YEARBOOK', and 'NATIONS UNIES ANNUAIRE DEMOGRAPHIQUE'. Below the thumbnail is a 'Download full issue' button. The main content area lists various sections and tables with download options for PDF, XLS, and Notes. The sections listed are: Introduction and General technical notes (pdf), Synoptic Table (pdf), WORLD SUMMARY, POPULATION, FERTILITY, FOETAL MORTALITY, INFANT AND MATERNAL MORTALITY, GENERAL MORTALITY, NUPTIALITY, DIVORCE, ANNEX, and INDEX. Specific tables listed include Table 5 (Estimates of mid-year population: 2009-2018), Table 6 (Total and urban population by sex: 2009-2018), Table 7 (Population by age, sex and urban/rural residence: latest available year, 2009-2018), and Table 8 (Population of capital cities and cities of 100 000 or more inhabitants: latest available year, 1999-2018). Each table entry includes links for pdf, xls, Notes - pdf, and Map - pdf. There are also 'Expand' and 'Collapse' buttons for the content list.

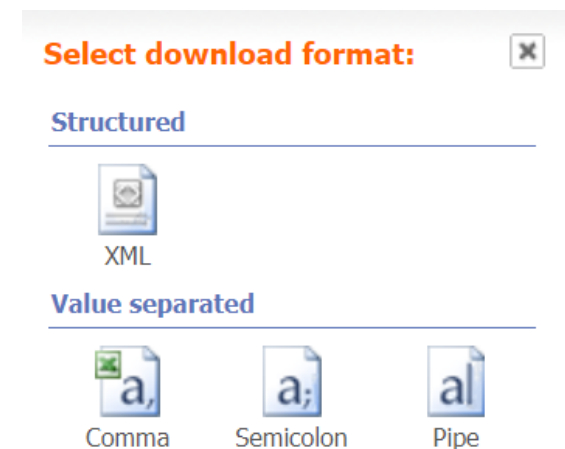
Limitations in data dissemination in DYB Webpage

- **Limited discoverability:** users need to know that tabulations are available in DYB page.
- **Limited searchability:** Users need to know what tabulations are available in DYB.
- A certain range of years, not all available years
- Publish only a subset of data collected through questionnaires collection
- Not updated for previous DYBs (though updated in UNdata)



Digital Data Dissemination through UNdata

- The **Demographic Statistics Database** in UNdata is updated twice a year.
- It contains **107** tabulations, covering population estimates, vital statistics, migration flows, and population and housing census data.
- Data can be downloadable in **XML, CSV or CSV-like forms**.
- **API** is available.





Variables in UNdata

- Country or Area
- Year
- Area – Total / Rural / Urban
- **Tabulation-specific variables**
 - E.g. Sex – Both Sexes / Male / Female
 - E.g. Age – age group or single age
 - E.g. City + City Type – city proper / urban agglomeration



Metadata dissemination in UNdata

- Source Year
 - Record Type
 - Estimate / Census, de jure / de facto
 - Occurrence / Registration
 - Source of migration data: administrative register, Household-based field enquiries, etc
 - Reliability – Final figure, complete / Provisional figure
- + Footnotes**



Technical note dissemination in UNdata

- Database description
- **Statistical Glossary** provides data definitions and links to principles and recommendations. There are many categories including Demographic / Population Estimates and Projections / SDMX.

Demographic Statistics Database

Source: [United Nations Statistics Division](#)

The United Nations Statistics Division collects, compiles and disseminates official demographic and social statistics on a wide range of topics. Data have been collected since 1948 through a set of questionnaires dispatched annually to over 230 national statistical offices and have been published in the *Demographic Yearbook* collection. The *Demographic Yearbook* disseminates statistics on population size and composition, births, deaths, marriage and divorce, as well as respective rates, on an annual basis. The *Demographic Yearbook* census datasets cover a wide range of additional topics including economic activity, educational attainment, household characteristics, housing characteristics, ethnicity, language, foreign-born and foreign population. The available Population and Housing Censuses' datasets reported to UNSD for the censuses conducted worldwide since 1995, are now available in UNdata.

This latest update includes several datasets on international travel and migration inflows and outflows, and on incoming and departing international migrants by several characteristics, as reported by the national authorities to the UN Statistics Division for the reference years 2010 to the present as available.

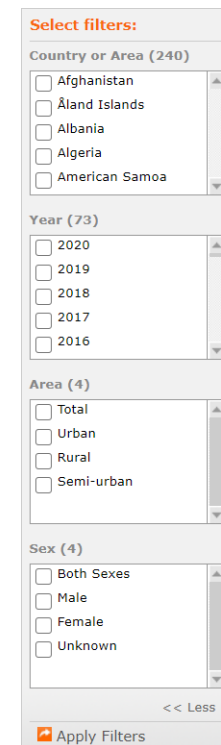
Last update in UNdata: 2020/08/19

Next update in UNdata: 2021/02/15

- [Online data](#)
- [Homepage](#)
- [Principles and Recommendations](#)
- [Contact](#)

Limitations in data dissemination through UNdata

- **Limited usability**
 - Upper limit of downloading: up to 100,000 records.
 - Users need to download data in batches.
 - However, users can filter data by only 4 variables: Country, Year, Area and Sex.
 - Non-technical users – tabulations not readable to everyone
 - No visualization nor interactive maps



The screenshot shows a 'Select filters' panel with four sections: 'Country or Area (240)', 'Year (73)', 'Area (4)', and 'Sex (4)'. Each section contains a list of options with checkboxes. The 'Country or Area' section lists Afghanistan, Åland Islands, Albania, Algeria, and American Samoa. The 'Year' section lists 2020, 2019, 2018, 2017, and 2016. The 'Area' section lists Total, Urban, Rural, and Semi-urban. The 'Sex' section lists Both Sexes, Male, Female, and Unknown. At the bottom, there is a '<< Less' button and an 'Apply Filters' button with a magnifying glass icon.



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Conclusions

- **Limited usability / discoverability / searchability**
- **Future of Data Dissemination** in DYB system – Visualization, Interactive maps etc
- **From collecting data to connecting data** – stories with insights, media coverage etc

Guiding questions

- What tools in disseminating demographic data and metadata does your NSO use?
- How can we improve usability / discoverability / searchability?
- What are the innovative ways to collect and disseminate metadata information? In What format – word, excel, other platforms?
- To what extent is it appropriate to make metadata public?
- What features should DYB's future data dissemination have?



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Thank you.