The ILOSTAT portal: A story of user-centered progress and innovation

Marie-Claire Sodergren
Senior Economist, Data Production and Analysis Unit
Introduction

ILOSTAT: ILO’s portal to labour statistics

Revamp for the ILO centenary (2019)

Updated brand in 2020
Main goals

- Increase and diversify user base
- Incorporate SEO
- Optimize user experience
- Use cost-effective off-the-shelf technologies
- Consolidate statistical content
- Responsive design
- Visually appealing

Consolidate statistical content
Portal features and navigation
Simple main menu

- Concepts and definitions
  Database descriptions, statistical standards (resolutions and guidelines), and guides and manuals – all the metadata to better understand the labour statistics presented on ILOSTAT.

- Forms of work: An overview of the new statistical standards
  An introduction to the conceptual frameworks for forms of work and labour force statistics, including labour underutilization.

- ICLS documents
  Find resolutions, guidelines, meeting room documents and reports related to the International Conference of Labour Statisticians (ICLS).

- Labour force survey (LFS) resources
  Online resources for data producers to build or improve their labour force survey, such as PAPI and CAPI model questionnaires.

- Population Census resources
  Online resources for data producers to improve their population census to be in line with the latest international statistical standards for labour.

- Labour market information systems (LMIS)
  Learn more about LMIS and what the ILO can offer in terms of tools, capacity building activities and technical assistance in labour statistics.
Search (and quickly find)
Resources

- Landing page for all concepts and definitions
- LFS resources page integrated
- Addition of population census resources page
- Resources on administrative records forthcoming?
Topics

Each features:
- Intro to the topic
- Data catalogue
- Blogs
- Methods
- Analytical publications
- Left navigation pane (TOC, related pages and external links)
Various entry points to data

- Main data page with full data catalogue
- Other data tools on main data page
- Topic pages
- Data pages by region
- Web-based Country Profiles (desktop app)
# Data catalogues

The International Labour Organization (ILO) provides a catalog of indicators that can be accessed through their website, ilostat.ilo.org. These indicators cover a wide range of topics related to labor and development, including indicators related to poverty, employment, and social protection.

Here are some examples of the indicators available:

- **SDG Indicator 1.1.1 - Working poverty rate (percentage of employed living below US$1.90 PPP) (%) | Annual**
- **SDG Indicator 1.2.1 - Proportion of population covered by social protection floors/systems (%) | Annual**
- **SDG Indicator 5.5.2 - Proportion of women in senior and middle management positions (%) | Annual**
- **SDG Indicator 5.5.2 - Proportion of women in managerial positions (%) | Annual**
- **SDG Indicator 8.2.1 - Annual growth rate of output per worker (GDP constant 2017 international $ at PPP) (%) | Annual**
- **SDG Indicator 8.2.1 - Annual growth rate of output per worker (GDP constant 2015 US $) (%) | Annual**
- **SDG Indicator 8.3.1 - Proportion of informal employment in total employment by sex and sector (%) | Annual**
- **SDG Indicator 8.5.1 - Average hourly earnings of employees by sex (Local currency) | Annual**
- **SDG Indicator 8.5.2 - Unemployment rate (%) | Annual**
- **SDG Indicator 8.5.2 - Unemployment rate by disability status (%) | Annual**

These indicators are available in various formats, including CSV files, and can be accessed through specific links provided on the ILO website.
Finding indicators

900 Indicators

260 million Data values

Filter by database or subject
See descriptions of our databases.

Filter by frequency
This is whether it refers to annual or short-term (monthly or quarterly) data. It is not to be confused with the periodicity of data collection or data dissemination.

Search using key words
See database search terms for tips on using the right key words. You can select which fields to search by clicking on the drop-down menu on the right of the search bar.

TIP: For best results, select either a database, subject or frequency AND enter key words. Otherwise the list of search results is likely to be long. Also note the search is limited to the words within the indicator label, description and other metadata (e.g., subject) and must match text available in these fields. It does not search for synonyms.
Grouping of indicators into « databases »
Existing indicators

<table>
<thead>
<tr>
<th>Database</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Term Labour Force Statistics (STLFS)</td>
<td># tables 308</td>
</tr>
<tr>
<td>Labour Force Statistics (LFS)</td>
<td># values 78.1</td>
</tr>
<tr>
<td>Rural and Urban Labour Market Statistics (RURBAN)</td>
<td># tables 98</td>
</tr>
<tr>
<td>Youth Labour Market Indicators (YouthSTATS)</td>
<td># values 17.8</td>
</tr>
<tr>
<td>ILO Modelled Estimates (ILOEST)</td>
<td># tables 65</td>
</tr>
<tr>
<td>International Labour Migration Statistics (ILMS)</td>
<td># values 5.1</td>
</tr>
<tr>
<td>Wages and Working Time Statistics (COND)</td>
<td># tables 57</td>
</tr>
<tr>
<td>Occupational Safety and Health Statistics (OSH)</td>
<td># values 4.4</td>
</tr>
<tr>
<td>Labour Market-related SDG Indicators (ILOSDG)</td>
<td># tables 38</td>
</tr>
<tr>
<td>Competitiveness Indicators (COMP)</td>
<td># values 4.1</td>
</tr>
<tr>
<td>Industrial Relations Data (IRdata)</td>
<td># tables 67</td>
</tr>
<tr>
<td></td>
<td># values 3.8</td>
</tr>
<tr>
<td></td>
<td># tables 22</td>
</tr>
<tr>
<td></td>
<td># values 2.4</td>
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<td></td>
<td># tables 17</td>
</tr>
<tr>
<td></td>
<td># values 0.3</td>
</tr>
<tr>
<td></td>
<td># tables 18</td>
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<td># values 0.2</td>
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<td># tables 5</td>
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<td># values 0.2</td>
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<tr>
<td></td>
<td># tables 6</td>
</tr>
<tr>
<td></td>
<td># values 0.2</td>
</tr>
</tbody>
</table>
## New databases

<table>
<thead>
<tr>
<th>Database</th>
<th>Description</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education and Mismatch Indicators (EMI)</td>
<td>Labour market indicators broken down by education including cross-tabulations by occupation to assess mismatches</td>
<td>45</td>
</tr>
<tr>
<td>Gender Equality and Non-Discrimination Indicators (GEND)</td>
<td>Gender-related indicators including breakdowns by marital status and household type (note this is a subset of data available by sex)</td>
<td>63</td>
</tr>
<tr>
<td>Disability Labour Market Indicators (DLMI)</td>
<td>Labour market indicators broken down by disability status</td>
<td>65</td>
</tr>
<tr>
<td>Work Statistics -- 19th ICLS (WORK)</td>
<td>Work statistics based on the new statistical standards (from the 19th ICLS), including data on paid work (e.g., employment) and unpaid work (e.g., subsistence foodstuff production work and volunteer work)</td>
<td>25</td>
</tr>
<tr>
<td>Child Labour Statistics (CHILD)</td>
<td>Statistics on child labour, including the child labour rate and hazardous work, broken down by sex, age and rural/urban</td>
<td>36</td>
</tr>
<tr>
<td>ILO Monitor on the World of Work (ILOMONITOR)</td>
<td>Indicators from the ILO’s flagship report The Monitor, including working-hour losses used to track the impact of COVID on the labour market</td>
<td>4</td>
</tr>
</tbody>
</table>

*Note: # values (in millions) refers to the data availability in millions for each database.*
Data explorer

- New data explorer launched in 2019
- User-friendly and much faster interface than the previous offering
- Allows users to instantly find, filter, reshape, visualize, and extract data in various formats
- New features include pivoting and calculating distributions and growth rates
Data explorer main features explained

**Filter**
- Region: 19/19
- Country: 117/117
- Sex: 3/3
- Disability status: 3/3
- Filter
- Latest period
- 987 / 7058 records

**Manipulate**
- Switch to distribution
  - Sex
- Annual change (% point)
- Pivot items
  - Age
- More items?
  - No
- Show notes

**Download and bookmark**
- Export dataset
  - Filtered
  - Reshaped
  - Full
- Label
  - Code
  - Both
- CSV
- Download

Bookmark your query
https://www.ilo.org/shinyapps/bulkexplorer51/?id=SDG_0852_SEX_DS8_RT_A&pivot=DISABILITY_STATUS&pivot2=SEX&latestyear=TRUE

ilo.stat.ilo.org
Analysis
Below are selected publications featuring ILOSTAT data.

Note: Many publications are available only in English. If available in other languages, a new page will open displaying the options on the right.

- **New data shine light on gender gaps in the labour market**
  - pdf
  - labour underutilization, women
  - Mar/06/2023

- **World Employment and Social Outlook: Trends 2023**
  - pdf
  - employment, ILO modelled estimates, labour force
  - Jan/16/2023

- **Contribution of the forest sector to total employment in national economies - Estimating the number of people employed in the forest sector**
  - pdf
  - rural economy, sector
  - Nov/24/2022

- **Global Wage Report 2022-23: The impact of inflation and COVID-19 on wages and purchasing power**
  - pdf
  - COVID-19, prices, wages
  - Nov/20/2022
Spotlight on Work Statistics

12 issues since its introduction in 2018

To provide in-depth examinations of specific labour-related issues

Varied topics

Gender gaps, rural and urban labour markets, education, inactivity, working poor, youth labour market challenges, unemployment, vulnerable employment, elderly workers
ILOSTAT blog

To present key findings based on ILOSTAT data and methodological issues in labour statistics

To attract less technical audience

Featured on ILO homepage, newsroom and social media channels

64 blogs since its introduction in 2019

Can now focus on specific sectors and occupations using harmonized microdata collection

- Eg: tourism, postal workers, teachers, forest sector, nurses and midwives, health workers, STEM occupations
ILOSTAT Flash e-newsletter

- Quarterly ILOSTAT e-newsletter introduced in 2018
- Serves as a valuable channel for disseminating important updates and insights from the ILOSTAT portal, further amplifying its reach and impact
- Currently 30'000+ subscribers

SIGN UP!!!

- Homepage (scroll down)
- Blog page
- Scan QR code
ILOSTAT users
User engagement and accessibility

- Organic Search: 61.3%
- Direct: 30.1%
- Referral: 7%

Sessions and Users over the years:

- 2013-2014: Steady increase
- 2015-2016: Minor decrease
- 2017-2018: Steady increase
- 2019-2020: Significant increase
- 2021-2022: Sharp increase

Launch of revamped ILOSTAT (Oracle -> WordPress)
Who are our users now?
What do users view?

- Top pages by group:
  - Topics: 20%
  - Resources: 18.1%
  - Explorer: 17.3%
  - Data: 15.6%
  - Blog: 12.1%
  - Homepage: 10.8%
  - About: 12.1%
  - Search: 10.8%

Top resources:

1. International Standard Classification of Occupations (ISCO)
2. Clasificación industrial internacional uniforme de todas las actividades económicas (CIIU)
3. International Standard Industrial Classification of All Economic Activities (ISIC)
4. Labour Force Statistics (LFS, STLFS, RUBAN databases)
5. International Standard Classification of Education (ISCED)
6. Occupational Safety and Health Statistics (OSH database)
7. ILO Modelled Estimates (ILOEST database)
8. Clasificación Internacional Uniforme de Ocupaciones (CIUO)
9. Wages and Working Time Statistics (COND database)
10. Estadísticas de seguridad y salud en el trabajo (base de datos SST)
Uses of ILOSTAT data

- UNSD: Sustainable Development Goals (SDGs), Minimum Set of Gender Indicators, Monthly Bulletin of Statistics Online
- World Bank: World Development Indicators (WDI)
- OECD: World Indicators of Skills for Employment, G20 reports
- UNDP: Human Development Index (HDI), Gender Development Index (GDI), Gender Inequality Index (GII), Life-course Gender Gap Dashboard
- WIPO: Global Innovation Index (GII)
Accomplishments

✓ Cost-effective development and maintenance
✓ Centralized statistical content
✓ Improved SEO
✓ Enhanced user experience, including better accessibility
✓ Expanded content – data and resources
✓ Substantial user growth
✓ Successful outreach through the blog and newsletter
Thank you