

Demand-Driven Open Data

Achieving the SDGs by focusing on data users

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Pharmaceutical Supply Chain



Manufacturer



Wholesaler



Pharmacy



Patient

Real-time data



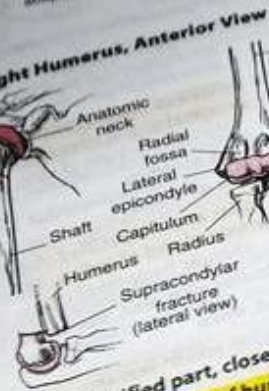
Ministry of Medicines &
Medical Devices



REPUBLIC OF SERBIA



**Annual
publication**



2.20 Unspecified part of humerus
Humerus NOS Upper arm NOS

2.21 Shaft of humerus
AHA: 40, '05, 129; 3Q, '99, 14

12.30 Unspecified part of humerus

12.31 Shaft of humerus

Lower end, closed
Distal end of humerus Elbow

12.40 Lower end, unspecified part

12.41 Supracondylar fracture of humerus

12.42 Lateral condyle
Lateral condyle

Injury and Poisoning

810-813.02

810-813.02

Adult ♀ Female-only ♂ Male-only

Manifestation

Unacceptable PDA CC-ARCO



“We were dependent on whether or not someone saw something new on a box.”

– Pharmaceutical Wholesaler

fake.



Genuine



COUNTERFEIT MEDICINES

IN LEGITIMATE SUPPLY CHAINS¹

A study by

University of California, San Diego School of Medicine &
the Pharmaceutical Security Institute (PSI)



AUTHENTIC



COUNTERFEIT



“We need a dataset online in CSV format that is updated at least once a month..”

“..this data will help us keep track of changes to medicines without having to manually transcribe information from an outdated book.”



еУПРАВА

Портал еУправа Републике Србије

PR



Моја еУправа

еУслуге

Вести

еПартиципација

Помоћ

Контакт

Грађани | Привреда | Преглед услуга по почетном слову | Преглед услуга по надлежном органу |

Ви се налазите: [еУправа](#) > [еУслуге](#) > Детаљи услуге

Агенција за лекове и медицинска средства Србије

Агенција за лекове и медицинска средства Србије је регулаторна установа Републике Србије, одговорна за регулативу фармацеутског тржишта Србије. Агенција обезбеђује услуге издавања дозвола, одобрења и уверења за хумане и ветеринарске лекове и медицинска средства, као и контроле квалитета лекова и медицинских средства које испуњавају захтеве, потребе и очекивања корисника, захтеве закона и других нормативних докумената.

Преузимање регистра лекова и медицинских средстава



еУслуга

Извршавање ове услуге је доступно само корисницима који имају креиран кориснички налог. Кликните на дугме да бисте извршили услугу.

Назив услуге

Преузимање регистра лекова и медицинских средстава

GOAL 3



ENSURE HEALTHY LIVES AND
PROMOTE WELL-BEING FOR ALL AT ALL AGES

TARGET 3.8

“...to achieve access to safe, effective, quality and affordable essential medicines for all.”



TARGET 3.9

- **“...to substantially reduce the number of deaths and illnesses from hazardous chemicals and contamination.”**



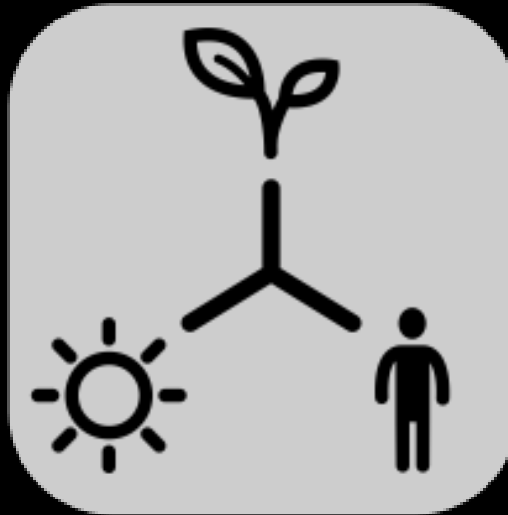
Demand-Driven Open Data

**Identifying, prioritizing, and improving datasets
based on the needs and insights from data users**

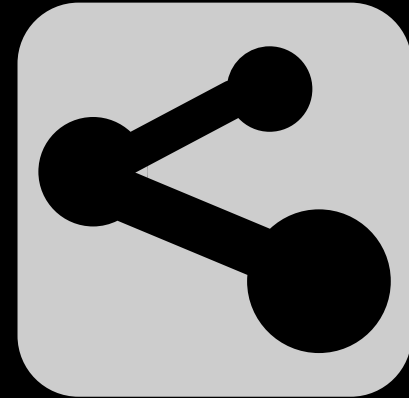
Why Demand-Driven Open Data?



**High Value
Data**



**Greater
Context**



**Data
Sharing**

How to engage stakeholders?

- ✓ **Mapping data users**
- ✓ **Convenings**
- ✓ **Interviews**
- ✓ **Surveys**
- ✓ **Feedback forms**
- ✓ **Social media**



THE CENTER FOR
OPEN DATA ENTERPRISE

🏠 HOME

📍 MAP | DATA

🌐 FINDINGS BY REGION

📁 FINDINGS BY SECTOR

📄 USE CASES

✉️ CONTACT

Open Data Impact Map

A public database of organizations that use open data from around the world.

96
countries

1778
organizations

• TOP


• ABOUT
• THE MAP

• METHODOLOGY

• CONTRIBUTE
• EXAMPLES

• REGIONAL
• SUPPORTERS

• TEAM

 Search (i.e. Org Name, Sector, Region)

Map View | Data View

 Data View

Country




Country Income Level



Organization Type



Type of Data Used

 Clear Filters[Download CSV Data](#)

[Download JSON Data](#)



City Scale

Information portal that provides citizens and professionals access to data on the different conditions of life

<http://www.cityscale.com.ua/>



Country: Ukraine

Sector: Housing, construction & real estate

Impact: Empowers urban citizens with relevant statistics about their city

Data Used: Ukraine's local crime data, environment data (pollution levels), healthcare data (hospital facilities), transportation (public transport stop, schedules, and routes)

Code for Ghana

Developer group focused on using open data to promote responsive, innovative and effective governance

<http://www.codeforghana.org>



Country: Ghana

Sector: Governance

Impact: Empowers civil society with access and skills to make use of public data

Data Used: Election data from the Electoral Commission of Ghana, education data from the Ministry of Education, and demographic statistics from Ghana Statistical Service

CrowdMap IT

A geocoding startup that creates visualizations of water, energy, and public health, as well as tracks and digitizes attacks from Fulani herdsmen.

<https://cmait.com>

Country: Nigeria

Sector: IT and geospatial

Impact: Raises local and global awareness on issues in Nigeria and opens up local communities to technological innovation

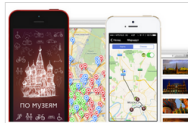
Data Used: Geospatial, water and sanitation from Nigeria's open data portal



Cultural Routes

App which helps users plan walking and biking routes, linking routes to historical and cultural sites in Moscow

<http://culturalroutes.ru/>



Country: Russian Federation

Sector: Arts, culture and tourism

Impact: Reduces time spent browsing tourist information sites

Data Used: Bicycle parking, museums, and city taxi parking datasets from the Department of Information Technology of the Government of Moscow

DATA Uruguay

Nonprofit seeking to support open civic data to strengthen communities and social activism

<http://www.datauy.org/>



Country: Uruguay

Sector: IT and geospatial

Impact: Increases citizen access to open government health data through interactive visualizations

Data Used: Ministry of Public Health - National Health Insurance Providers, National Open Data Catalog or Catálogo de Datos Abiertos

DataMeet

A community group for data science and open data professionals in India

<http://datameet.org/>



Country: India

Sector: IT and geospatial

Impact: Promotes the use of open data in India

Data Used: Electoral data from the Election Commission of India, education data from the Indian Ministry of Human Resource Development, and geospatial data

Datos El Salvador

An open data portal developed by civil society

<http://www.datoselsalvador.org>



Country: El Salvador

Sector: Governance

Impact: Provides access to public data in an open format

Data Used: Data from the Ministry of the Economy, Ministry of Agriculture and Livestock, Ministry of Education, Ministry of Health, National Directorate of Medications, Legislative Assembly, Supreme Electoral Tribunal, and the Port Authority

De Olho nas Metas

Platform for monitoring the progress of municipal projects in São Paulo, Brazil

<http://deolhonasmetas.org.br>



Country: Brazil

Sector: Governance

Impact: Helps civil society monitor municipal projects in their community

Data Used: Education data from the Brazilian Ministry of Education and Brazilian Institute of Geography and Statistics (IBGE), government operations data from the municipality of São Paulo

District Metrics

Online service displaying household consumers in India at a disaggregated level

<http://districtmetrics.com/>



Economics Association of Zambia

Undertaking research, training, education, and consultancy in the field of economics and related disciplines



Eduweb

Centralized portal of open education data (schools, colleges and universities) in Kenya

<http://www.eduweb.co.ke>



Ennovent

Company providing services to accelerate for-profit innovations for sustainability in low-income markets

<http://www.ennovent.com>



Open Data Roundtables



United States



Jamaica



Sierra Leone



Kazakhstan





New Zealand



Recommendations for Demand-Driven Open Data

✓ **Create data inventories**

- Data providers across government + external stakeholders need to know what data already exists

✓ **Map data users**

- Identify key stakeholders from each sector

✓ **Develop engagement strategy**

- Create strategy to gather input and feedback on data needs and data sharing
- Utilize existing channels to engage with stakeholders on an ongoing basis

✓ **Identify High Value Data**

- Convene stakeholders to assess data gaps and determine priority datasets

✓ **Build iterative cycles for feedback**

- Check in with data users and key stakeholders throughout the process and adjust data strategy as needed

A banner for the SDG National Reporting Initiative. The background is a photograph of three women in a tea plantation. The woman in the foreground is smiling and looking towards the camera. The other two women are in the background, also smiling and working in the tea field. The text is overlaid on the top half of the image.

SDG NATIONAL REPORTING INITIATIVE

Supporting government reporting on
the **Sustainable Development Goals**
for data-driven policymaking

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