



Open Life Science Publication Database (OLSPub)

Information event on 25th of September 2025

Framework

- Changes in research infrastructures
- PubMed
- Alternatives to PubMed
- Role of ZB MED

Project proposal

- Key data
- Objectives
- Work packages

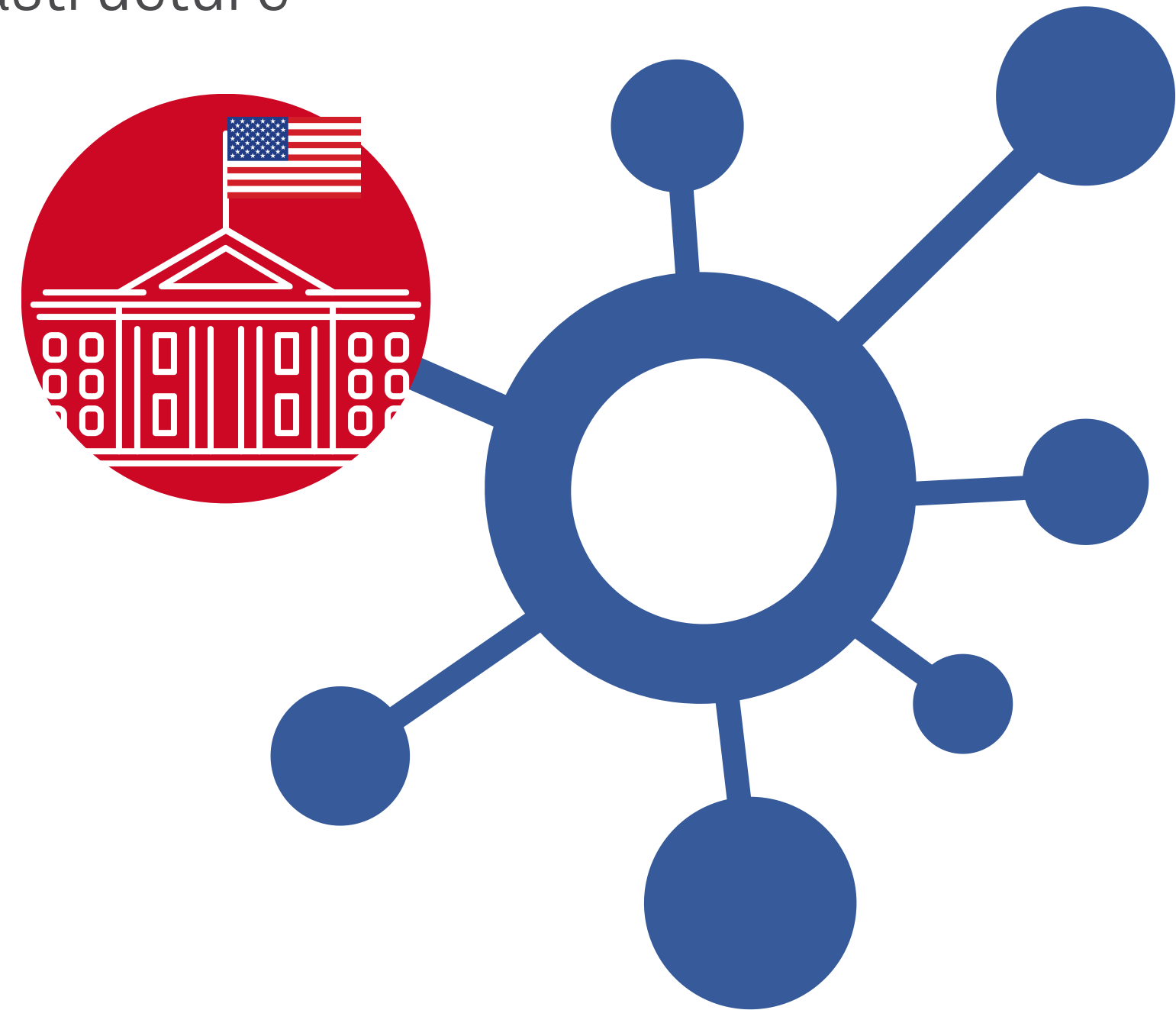
Next steps

Conclusion

Framework: Changes in research infrastructures

From a research infrastructure shaped by globalisation to a sovereign, resilient and global research infrastructure

- ▶ Budget cuts for research and libraries in various countries
- ▶ Suspension of US research activities on topics such as diversity
- ▶ Loss of contact with researchers from the USA
- ▶ Blocking access to US databases for individual countries
- ▶ ...



- ▶ Published by: National Library of Medicine, USA
- ▶ Highly used database for life sciences:
 - 10 million search queries per day
 - Contents: over 30 million bibliographic references from medicine, health, biology and much more
 - Core component: MEDLINE database with article data from over 5,200 journal titles
- ▶ Intensive reuse for other offerings such as EuropePMC, Open Alex, and many more.
- ▶ Major concerns about restrictions on PubMed in the community





Literature research in Germany relies heavily on freely accessible medical information from the United States.

There are currently no comparable German, European or international alternatives that are freely accessible.

The most important research sources that are at risk of failure are the bibliographic database PubMed (MEDLINE) and the study registry ClinicalTrials.gov.

Institute for Quality and Efficiency in Health Care (IQWiG); Cochrane Germany; Joint Federal Committee , [Source](#)

Framework: Alternatives to PubMed

▶ EuropePMC (EMBL-EBI) / OpenAlex (OurResearch)

- based on PubMed data



▶ Embase, Scopus (Elsevier B.V.) / Web of Science (Clarivate)

- are not free of charge



Embase



Scopus®



WEB OF SCIENCE™

▶ LIVIVO (ZB MED)

- based on PubMed data



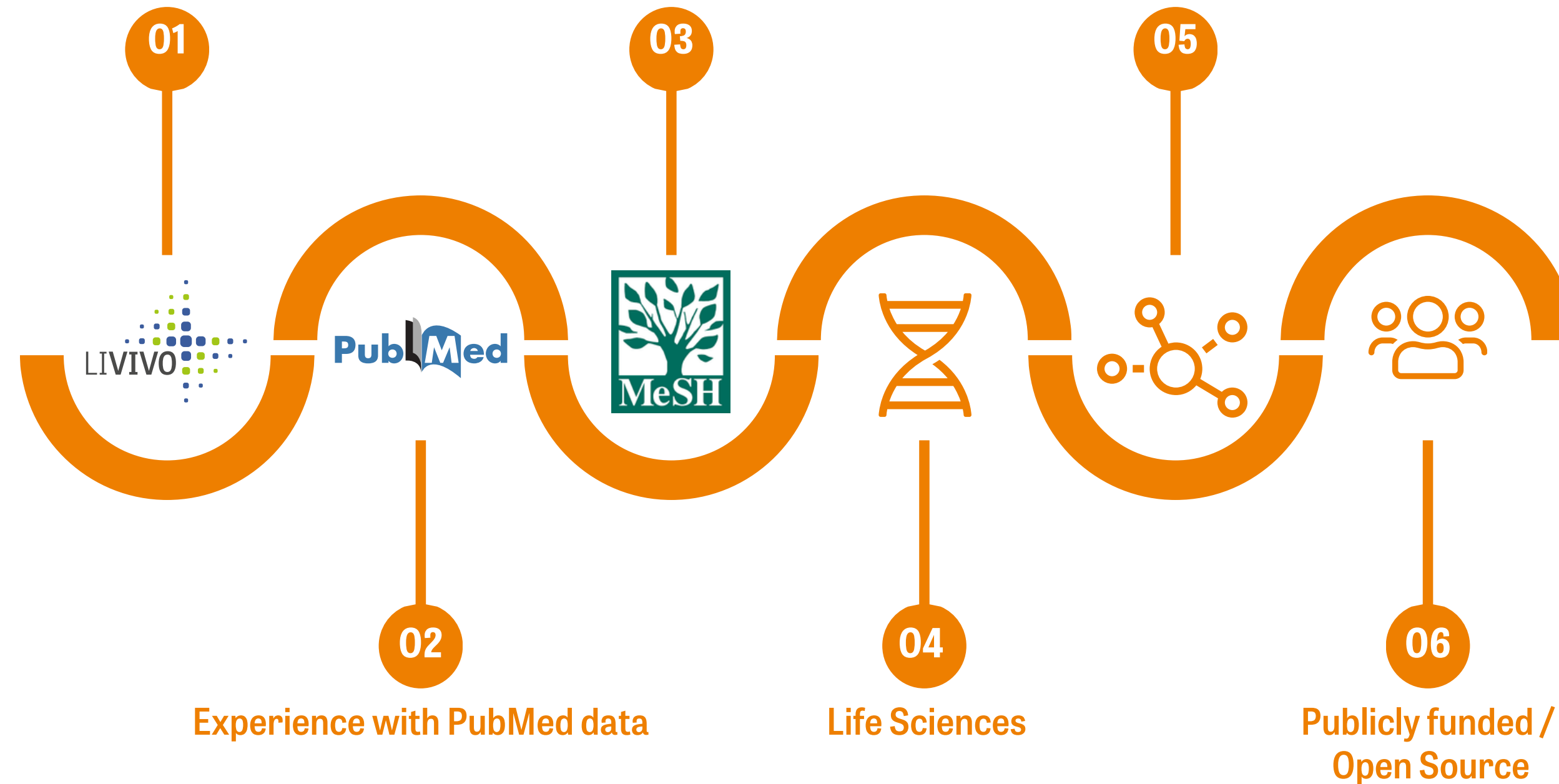
None of the databases are open source, which means their existence depends exclusively on financial supporters, with no option for the community to contribute to it

Framework: Role and expertise of ZB MED (www.zbmed.de)

Discovery System /
Data Science

Translation of German MeSH

Networking in: data science / National research
infrastructure / in the publishing environment

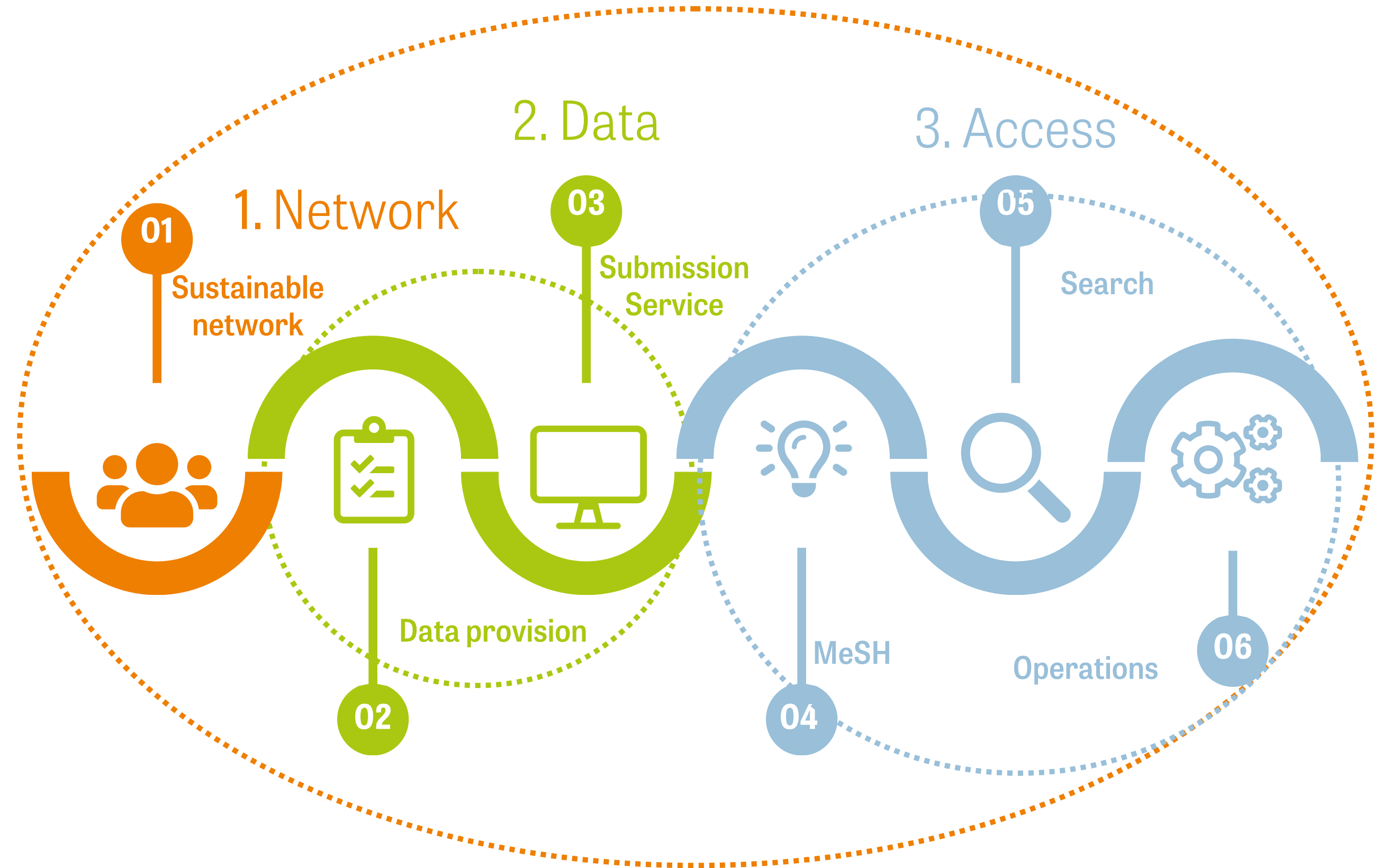


Project proposal: key data

- ▶ 18-month term
- ▶ **Goal: Development of a basic version of a PubMed alternative, including data consolidation**
- ▶ Fully open source and open data (with restrictions on metadata where applicable)
- ▶ Fully transparent, including **publication of the proposal**
- ▶ **Over 40 Letter of Support from institutions in Europe and beyond**
- ▶ Submission of the English-language application to the DFG at 28th of May 2025
- ▶ A decision is expected in mid/late October.
- ▶ Start communication BEFORE submitting the project application in consultation with the DFG
in order to:
 - alleviate concerns about researchers having less time and space.
 - find other initiatives, if necessary.
 - get started quickly.

Project proposal: work packages

- ▶ Community collaboration as the most important work package
- ▶ Data as the central core of the alternative to PubMed
- ▶ Foundations laid for MeSH annotation
- ▶ Search function based on PubMed search
- ▶ Infrastructure enabled by de.NBI



Keeping track of changes in PubMed and/or MeSH

Select Week
2025-30

Aggregated PubMed Article Deletions by MeSH Descriptor for Week 2025-30

MeSH Descriptor UI	MeSH Descriptor Name	Count
D006801	Humans	100
D006113	United Kingdom	89
D000818	Animals	74
D014730	Veterinary Medicine	67
D000077923	Societies, Veterinary	32
D018634	Veterinarians	30
D002417	Cattle	13
D000827	Animal Welfare	11
D004285	Dogs	10
D003226	Congresses as Topic	10
D049673	History, 20th Century	9



Keeping track of changes in PubMed and/or MeSH

Select Week
2025-30

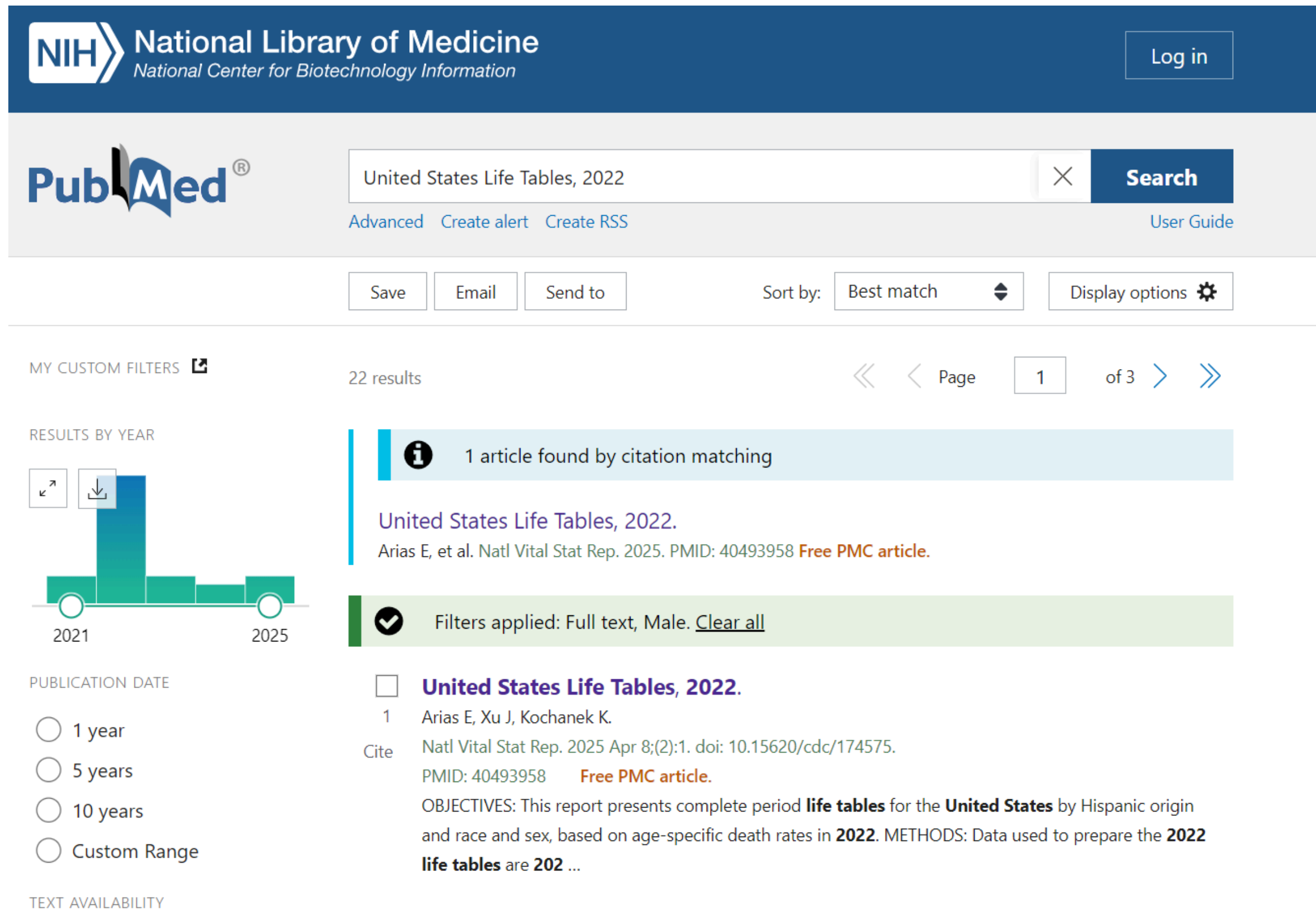
Articles for Descriptor **D006801** (2025-30)

BACK

PMID	Article Title	Article Abstract
40393056	Emergency Department Visits With an Influenza Test Ordered or Provided: United States, 2013-2022.	Influenza, also known as flu, is a viral respiratory infection. In the 2022-2023 flu season, an estimated 31 million people developed influenza, 360,000 were hospitalized with influenza, and 21,000 died from influenza. To prevent more serious illness, early identification and treatment of influenza is important. This report uses data from the National Hospital Ambulatory Medical Care Survey (NHAMCS) to study trends in the use of influenza testing at hospital emergency department (ED) visits from 2013 through 2022.
39864013	Creating Community Through Storytelling: Building a Village of Support for Children.	For children navigating complex psychological and emotional challenges, the concept of community extends far beyond the walls of their home. Storytelling can be a powerful tool to foster a broader "village" of support, drawing on the rich network of extended family, neighbors, teachers, and cultural traditions that shape a child's world. Through sharing and listening to stories, children not only find comfort and connection but also discover a sense of pride in their cultural heritage and a deeper understanding of their identity. In child psychiatry, integrating storytelling into therapeutic practice can enhance psychological well-being by strengthening a child's sense of belonging, encouraging resilience, and validating their experiences. By tapping into communal narratives, clinicians can help children to cultivate a robust support system and foster a positive self-concept, empowering them to thrive even beyond the clinical setting.
39150130	On the 50th Anniversary of STD.	
39150100	50 Years at STD!	
28113333	STD at 50: Introduction to the Anniversary Issue.	
40373208	United States Life Tables, 2022.	This report presents complete period life tables for the United States by Hispanic origin and race and sex, based on age-specific death rates in 2022.
	Navigating the	Adolescence is often likened to a rollercoaster—a thrilling ride filled with unpredictable highs and drops, and daring twists and turns. For some teenagers, this metaphor becomes even more poignant as they navigate the challenges of burgeoning mood disorders and substance use disorders. These struggles can amplify the turbulence of adolescence, making the ride feel overwhelming not just for the teens experiencing it, but also for the families and caregivers supporting them. This Media Forum reviews 2 resources for adolescents and



Keeping track of changes in PubMed and/or MeSH



NIH National Library of Medicine
National Center for Biotechnology Information

PubMed®

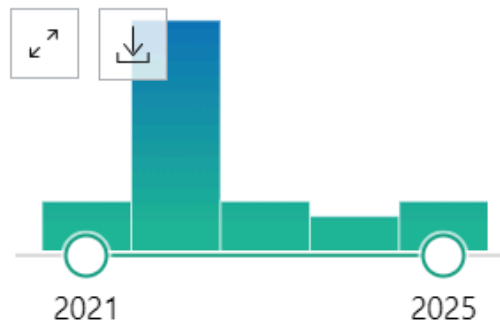
United States Life Tables, 2022

Advanced Create alert Create RSS Search User Guide

Save Email Send to Sort by: Best match Display options

MY CUSTOM FILTERS 22 results Page 1 of 3

RESULTS BY YEAR



PUBLICATION DATE

1 year
 5 years
 10 years
 Custom Range

TEXT AVAILABILITY

i 1 article found by citation matching

United States Life Tables, 2022.
Arias E, et al. Natl Vital Stat Rep. 2025. PMID: 40493958 **Free PMC article.**

Filters applied: Full text, Male. [Clear all](#)

United States Life Tables, 2022.
1 Arias E, Xu J, Kochanek K.
Cite Natl Vital Stat Rep. 2025 Apr 8;(2):1. doi: 10.15620/cdc/174575.
PMID: 40493958 **Free PMC article.**
OBJECTIVES: This report presents complete period **life tables** for the **United States** by Hispanic origin and race and sex, based on age-specific death rates in **2022**. METHODS: Data used to prepare the **2022 life tables** are **202 ...**

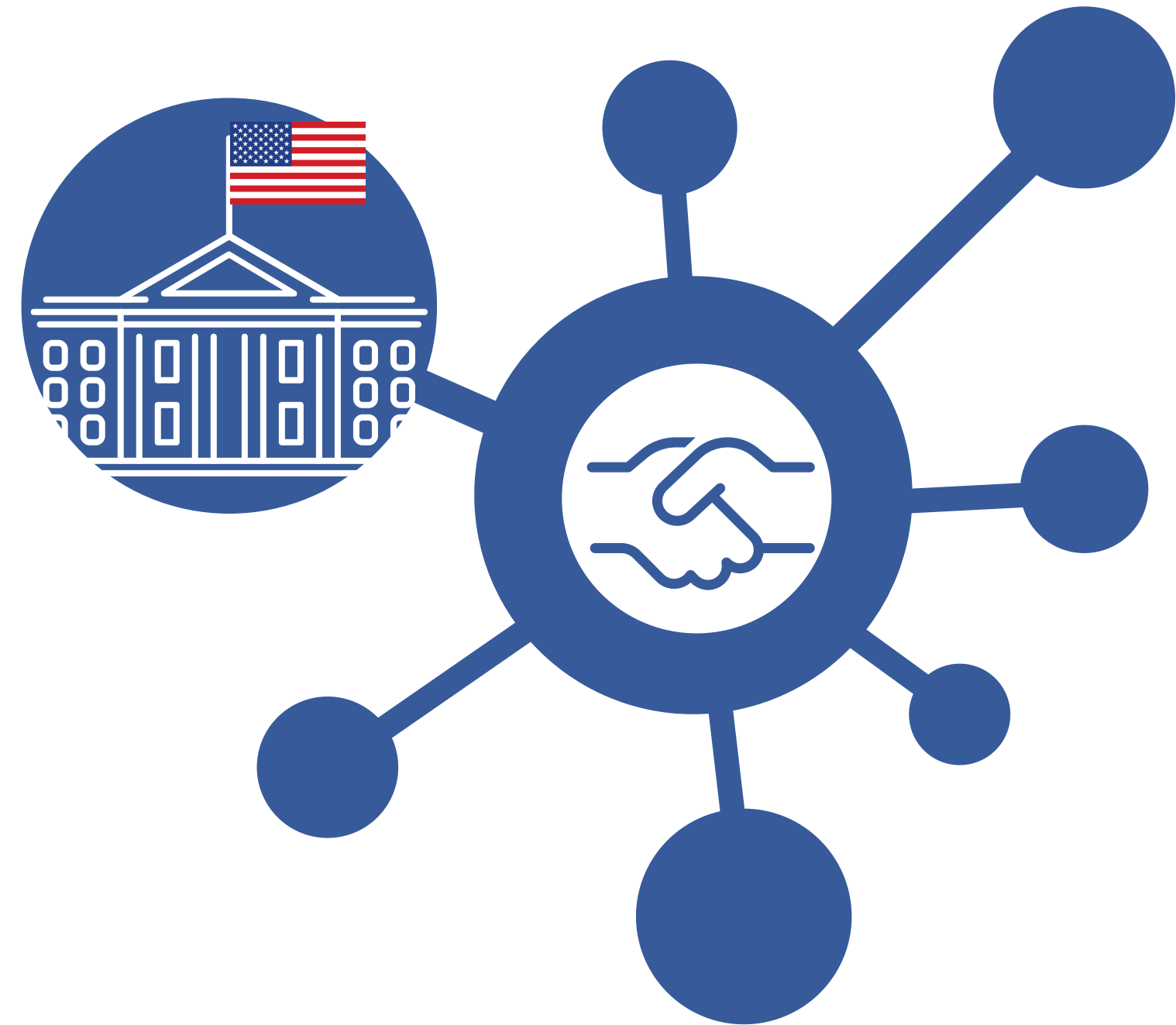


Attention!

- Most of the changes are simply a new ID.
- We are working on marking this “New ID type” of change directly, as well as adding more features.
- We will publish the site as soon as it is ready and continue working on it while it is live.

Next steps: Long term

- ▶ If PubMed remains (hopefully), the foundation that has been laid could be built upon to create a life sciences database for publications in other languages (German, French, Italian), etc.
- ▶ If PubMed is restricted, OLSPub (working title) could support the NLM.



Current information

Project website



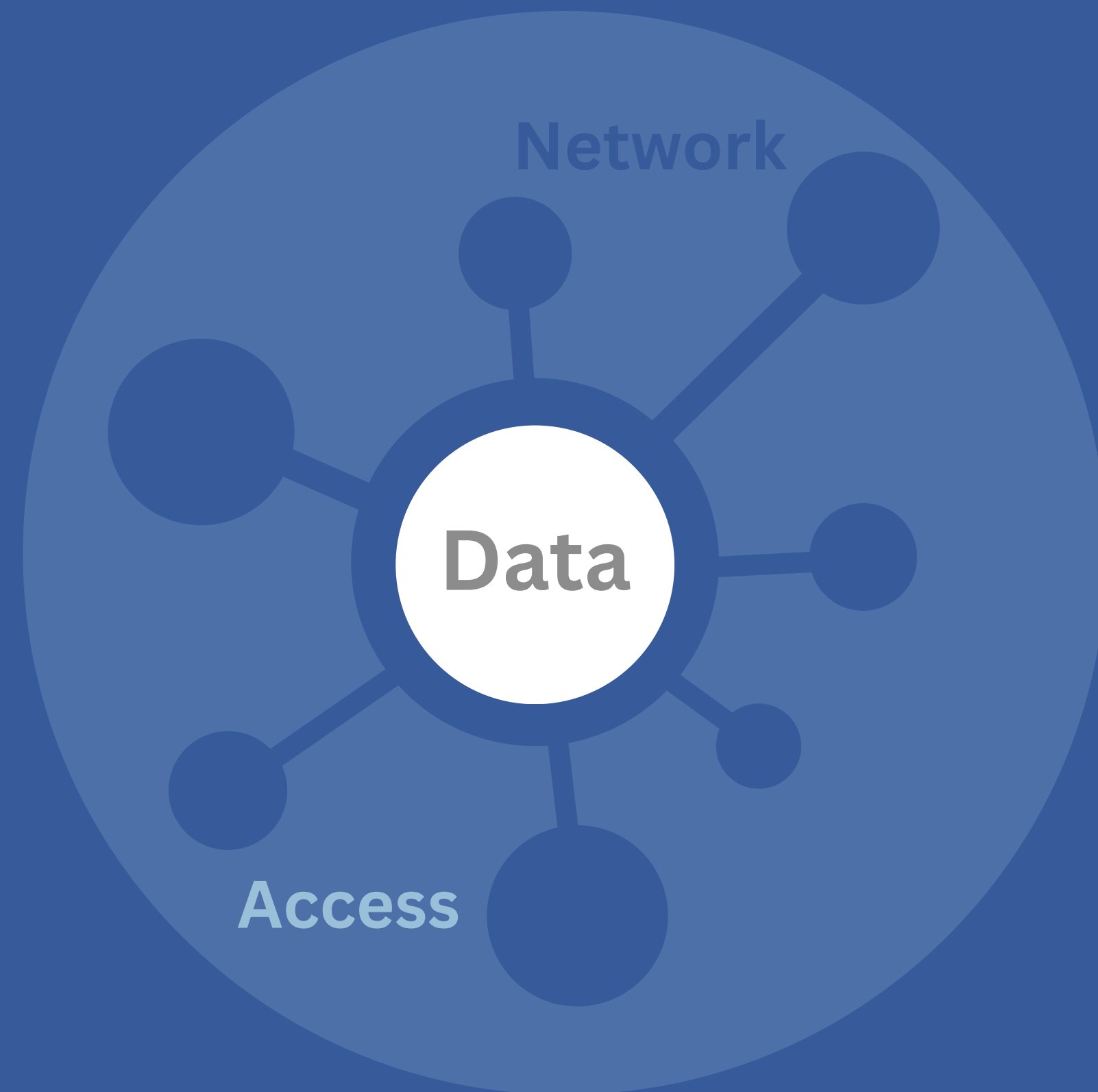
Mailing list



Project proposal



**OLSPub will ensure
easy access
to life science literature
by providing a resilient, open source
piece of infrastructure
by the life science community
for the life science community.**



Thank you



Please feel free to support us as an individual person:



www.zbmed.de/en