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Open Public Health Data Discovery: Start with re3data.org

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Background:

Open public health data consists of organized online data repositories assembled during or after public health investigations. There are enormous quantities of organized public health repository data emerging in a variety of academic, government, or non-commercial discipline or subject repositories.

A new registry of research data repositories, **re3data.org**, has the potential to improve the identification, access, and reuse of public health data, as well as promote best practices of data preservation and management. The intention of this investigation is to provide an introduction to effective use of **re3data.org** for access to shared open public health data.

Results:

The observations of the identified public health repositories were recorded with a shared Google Sheet, in order to facilitate and conduct observations of patterns and comparisons

Name of the Repository	Country	Repository URL	Repository Type	Repository Content	Additional Information	Access to Research Data	Terms of use & Licenses	Persistent Identifier
45 and Up Study	Australia	https://www.aesconfbdiu.org.au/our-work/45-up-study/	organization	disciplinary	Yes	Open	Yes	No
Australian Government	Australia	https://doi.org/10.1017/9781108888888	government	general	Yes	Open	Yes	No
Bioprod Australia	Australia	https://www.bioprod.org.au/	organization	disciplinary	Yes	Restricted	Yes	No
Curtin University Research Data Collection	Australia	https://researchdata.curtin.edu.au/contributors/curtin-university/	university	disciplinary	Yes	Open	Yes	Yes
National Coronel Information System	Australia	http://www.ncis.org.au/	organization	disciplinary	Yes	Open	Yes	No
The Cancer Immunome Atlas	Austria	https://cica.at/home	university	disciplinary	Yes	Open	Yes	No
Atalaya Research Institute	Canada	https://www.atalaya.org/	university	disciplinary	Yes	Open	Yes	No
Open COVID Data Explorer	Canada	https://www.brisqcode.ca/	research institute	disciplinary	Yes	Restricted	Yes	No
Canada Michael Smith Centre	Canada	http://www.bcgsc.ca/	research institute	disciplinary	Yes	Open	Yes	No
Canada Research Data	Canada	https://www.bcgsc.ca/	university	disciplinary	Yes	Open	Yes	No
Centre Network	Canada	https://cncn.org/data	organization	institutional + disciplinary	Yes	Open	Yes	No
Canadian Research Exchange Ontario Database	Canada	https://datawrens.scholarportal.info/datasetwrens/CRXDO	university	disciplinary	Yes	Restricted	Yes	Yes
Research Center for Health Policy Population Health Research Data Repository (MCHP Data Repository)	Canada	http://www.uregina.ca/faculty/health_policy/population_health_research_data_repository/index.html	university	institutional	Yes	Restricted	Yes	No
Open Data Kingston	Canada	https://opendata.kingston.ca/pages/walcom	government	general	Yes	Open	Yes	No
Prior Data Catalogue	Canada	https://www.prior.ca/	government	disciplinary	Yes	Open	Yes	DOI
Proton Expert Panel Government Open Data Portal	Canada	https://data.protonexpertpanel.ca/browse	government	general	Yes	Open	Yes	No

Data viewable at:

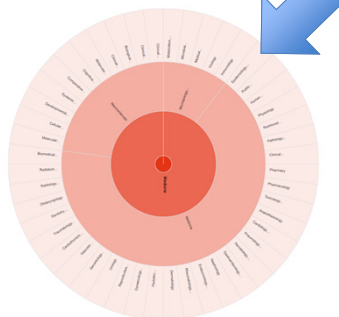
<https://tinyurl.com/re3datapostermia2020>

Methodology/Description:



The authors examined epidemiology, public health, health services, and social medicine data repositories tagged for public health subjects in re3data.org (n=135) for country of origin, sponsorship, features, data access, and description.

Graphical Browse



Text Browse

- Medicine (46)
 - Epidemiology, Medical Biometry, Medical Informatics (46)
 - Public Health, Health Services Research, Social Medicine (24)
- II. Medicine
 - 1. Epidemiology, Medical Biometry, Medical Informatics
 - 2. Public Health, Health Services Research, Social Medicine
 - 3. Human Sciences
 - 4. Physiology
 - 5. Nutritional Sciences
 - 6. Pathology and Forensic Medicine
 - 7. Clinical Chemistry and Pathobiochemistry
 - 8. Pharmacy
 - 9. Pharmacology
 - 10. Toxicology and Occupational Medicine
 - 11. Anaesthesiology
 - 12. Cardiology, Angiology
 - 13. Pneumology, Clinical Infectology Intensive Care Medicine
 - 14. Hematology, Oncology, Transfusion Medicine

