

Supplementary Table S1: IJPDS articles judged as ineligible for inclusion in RWE review

Article DOI	Year	First author name	Reason ineligible
https://doi.org/10.23889/ijpds.v9i1.2163	2024	Bethania de Araujo Almeida	Literature review
https://doi.org/10.23889/ijpds.v9i1.2389	2024	Joseph Lam	Described steps required to generate synthetic identifiers for a RWD collection
https://doi.org/10.23889/ijpds.v9i1.2368	2024	Danielle A Southern	Described a new centre for health informatics
https://doi.org/10.23889/ijpds.v9i1.2181	2024	Rachel Burns	Described a linkage process and linkage rates
https://doi.org/10.23889/ijpds.v9i1.2137	2024	Richard J Silverwood	Described the quality and population-representativeness of linked data
https://doi.org/10.23889/ijpds.v9i1.2378	2024	Anderson Wong	Developed and proposed an ontology for Census data
https://doi.org/10.23889/ijpds.v9i1.2358	2024	Naomi Hamm	Applied and compared trend control charts
https://doi.org/10.23889/ijpds.v9i1.2377	2024	Ava Phillips	A cohort profile paper reporting unadjusted descriptive statistics
https://doi.org/10.23889/ijpds.v9i1.2385	2024	Amanda Clery	An assessment of the completeness of a community services dataset
https://doi.org/10.23889/ijpds.v9i1.2394	2024	Kasper Bonnesen	Described agreement/validity of exposures and outcomes in a Registry
https://doi.org/10.23889/ijpds.v9i1.2380	2024	Deepak Louis	Described agreement/validity of variables in a dataset
https://doi.org/10.23889/ijpds.v9i1.2372	2024	Kimberlyn McGrail	Described a deliberative public engagement
https://doi.org/10.23889/ijpds.v9i1.2412	2024	Anousheh Marouzi	Reported descriptive statistics only
https://doi.org/10.23889/ijpds.v9i1.2398	2024	Jo Davies	Reported descriptive statistics only
https://doi.org/10.23889/ijpds.v9i1.2381	2024	Sarah Harding	Described stakeholder engagement
https://doi.org/10.23889/ijpds.v9i1.2379	2024	Gillian Harper	Described a method for deriving households from electronic health records
https://doi.org/10.23889/ijpds.v9i1.2370	2024	James Ayles	Case study
https://doi.org/10.23889/ijpds.v9i1.2375	2024	Julia Burt	Described stakeholder engagement
https://doi.org/10.23889/ijpds.v8i1.2072	2023	Fiona Lugg-Widger	Described data linkage
https://doi.org/10.23889/ijpds.v8i1.2151	2023	Julie-Anne R. Smit	A perspective, not original research
https://doi.org/10.23889/ijpds.v8i1.2113	2023	Francesca L. Cavallaro	Described lessons from two observational studies using linked administrative data
https://doi.org/10.23889/ijpds.v8i1.1771	2023	Themba Mutemaringa	Data linkage algorithm and data completeness
https://doi.org/10.23889/ijpds.v8i1.2134	2023	Iffat Naeem	Qualitative, interviews only
https://doi.org/10.23889/ijpds.v8i1.2144	2023	Alexander Hartenstein	Algorithm development
https://doi.org/10.23889/ijpds.v8i1.2130	2023	Piotr Teodorowski	Qualitative, interviews only
https://doi.org/10.23889/ijpds.v8i1.2122	2023	Rainer Schnell	Described linkage quality
https://doi.org/10.23889/ijpds.v8i1.2165	2023	Felix Ritchie	Disclosure risk of outputs from machine learning models, literature review and public engagement
https://doi.org/10.23889/ijpds.v8i1.2156	2023	Zeina Jamaluddine	Described data linkage with birth and education records
https://doi.org/10.23889/ijpds.v8i1.2115	2023	Peter Christen	Described myths and misconceptions of data linkage
https://doi.org/10.23889/ijpds.v8i1.1843	2023	Jeanne Sinclair	Data linkage validation study
https://doi.org/10.23889/ijpds.v8i1.2176	2023	Olawale F. Ayilara	Comparison of synthetic and real data
https://doi.org/10.23889/ijpds.v8i1.2153	2023	Bekelu Negash	Review article

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Article DOI	Year	First author name	Reason ineligible
https://doi.org/10.23889/ijpds.v8i1.1901	2023	Jamie Danemayer	Review article
https://doi.org/10.23889/ijpds.v8i1.2158	2023	Claire Little	Review article
https://doi.org/10.23889/ijpds.v8i1.2139	2023	Jing Wang	Protocol paper
https://doi.org/10.23889/ijpds.v8i1.2129	2023	Nadine Andrew	Protocol paper
https://doi.org/10.23889/ijpds.v8i1.2121	2023	Shona Kerr	Protocol paper
https://doi.org/10.23889/ijpds.v8i1.2125	2023	Nakia Lee-Foon	Commentary
https://doi.org/10.23889/ijpds.v8i1.2131	2023	Julia Nadine Doetsch	Commentary
https://doi.org/10.23889/ijpds.v8i1.2116	2023	Lindsay Pearce	Commentary
https://doi.org/10.23889/ijpds.v7i1.1727	2022	Theodora Kokosi	Overview of uses of synthetic data and methods used to generate it
https://doi.org/10.23889/ijpds.v7i1.1690	2022	Winifred Badaiki	Overview of partnership and data to study psoriatic disease
https://doi.org/10.23889/ijpds.v7i1.1712	2022	Fiona Victoria Lugg-Widger	Described curriculum development for researcher training
https://doi.org/10.23889/ijpds.v7i1.1693	2022	Gwenllian Moody	Qualitative study on attitudes to the collection and linkage of maltreatment data
https://doi.org/10.23889/ijpds.v7i1.1689	2022	Claire de Oliveira	Described social and health data linkage strategy
https://doi.org/10.23889/ijpds.v7i1.1724	2022	Rowena Griffiths	Described administrative and clinical data linkage
https://doi.org/10.23889/ijpds.v7i1.1749	2022	Charlotte Baker	Described data linkage methods
https://doi.org/10.23889/ijpds.v7i1.1713	2022	Benjamin Daniels	Validated registry records against original electronic medical records
https://doi.org/10.23889/ijpds.v7i1.1708	2022	Eva Graham	Pathways of healthcare use for overdose deaths, descriptive only
https://doi.org/10.23889/ijpds.v7i1.1721	2022	Sara Giro Correia	Data quality study and thematic analysis of crime data
https://doi.org/10.23889/ijpds.v7i1.1700	2022	Laura Schummers	Comparison of methods to identify abortion in administrative records
https://doi.org/10.23889/ijpds.v7i1.1722	2022	Peter Brandon	Comparison of methods to identify same-sex couples in household survey data
https://doi.org/10.23889/ijpds.v7i1.1757	2022	Marcello Nesca	Review article
https://doi.org/10.23889/ijpds.v7i1.1718	2022	Louise McGrath-Lone	Review article
https://doi.org/10.23889/ijpds.v7i1.1732	2022	Natalie Wray	Described development of online application system
https://doi.org/10.23889/ijpds.v7i1.1694	2022	Alexandra Lee	Data resource profile
https://doi.org/10.23889/ijpds.v7i1.1752	2022	Gemma Allnatt	Data resource profile
https://doi.org/10.23889/ijpds.v6i1.1376	2021	Alice Rose Dawson	Described data linkage processes and challenges
https://doi.org/10.23889/ijpds.v6i1.1679	2021	Georgina M Chambers	Described data linkage methods and performance
https://doi.org/10.23889/ijpds.v6i1.1397	2021	Natalie Wiebe	Described results of hospital chart review
https://doi.org/10.23889/ijpds.v6i1.1406	2021	Amani F. Hamad	Described crosswalks for three ICD versions
https://doi.org/10.23889/ijpds.v6i1.1674	2021	Gill Harper	Described an evaluation of an address matching algorithm
https://doi.org/10.23889/ijpds.v6i1.1671	2021	Nicolás Libuy	Described linkage process and quality
https://doi.org/10.23889/ijpds.v6i1.1654	2021	Dr Catherine R Hanna	Described the process of creating a national linked dataset
https://doi.org/10.23889/ijpds.v6i1.1650	2021	Sylvia Aponte-Hao	Described a validated definition of frailty using primary care records
https://doi.org/10.23889/ijpds.v6i1.1672	2021	Ming Ye	Descriptive study of chronic disease incidence using linked datasets

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Article DOI	Year	First author name	Reason ineligible
https://doi.org/10.23889/ijpds.v6i1.1665	2021	Matthew Jose	Descriptive study of chronic kidney disease using linked datasets
https://doi.org/10.23889/ijpds.v6i1.1387	2021	James Rafferty	Descriptive study of diabetes mellitus using linked datasets
https://doi.org/10.23889/ijpds.v6i1.1378	2021	Kathleen Lamont	A multi-country survey of birth and perinatal data collection
https://doi.org/10.23889/ijpds.v6i1.1373	2021	Laszlo Trefan	A methodological study to determine alcohol-related hospital admissions
https://doi.org/10.23889/ijpds.v6i1.1410	2021	Meghan O'Neill	Descriptive study of health and health service use by homicide victims
https://doi.org/10.23889/ijpds.v6i1.1398	2021	Shaun Francis	A comparison of methods to determine incidence and prevalence of treated diabetes
https://doi.org/10.23889/ijpds.v6i1.1381	2021	Heather J Baldwin	Validation of maternal medical conditions in admitted patient data
https://doi.org/10.23889/ijpds.v6i1.1418	2021	Juliana de Oliveira Costa	Review article
https://doi.org/10.23889/ijpds.v6i1.1686	2021	Naomi Hamm	Review article
https://doi.org/10.23889/ijpds.v6i1.1362	2021	Zahra Ahmed	Review article
https://doi.org/10.23889/ijpds.v6i1.1653	2021	Cynthia Kendell	Protocol paper
https://doi.org/10.23889/ijpds.v6i1.1419	2021	Tyler Lane	Protocol paper
https://doi.org/10.23889/ijpds.v6i1.1400	2021	John Cunningham	Protocol paper
https://doi.org/10.23889/ijpds.v6i1.1678	2021	Heather Higgins	Case study
https://doi.org/10.23889/ijpds.v6i1.1412	2021	Marcelo Urquia	Case study
https://doi.org/10.23889/ijpds.v6i1.1680	2021	Kamala Adhikari	Described variable harmonization strategies
https://doi.org/10.23889/ijpds.v6i1.1386	2021	Valerie Nicholson	Described approach to Indigenous community leadership in research
https://doi.org/10.23889/ijpds.v6i1.1417	2021	Robyn Rowe	Described approaches to linkage of Indigenous population health data
https://doi.org/10.23889/ijpds.v5i1.1339	2020	Rhodri David Johnson	Described data linkage between justice and health data
https://doi.org/10.23889/ijpds.v5i3.1352	2020	Natalie Wiebe	A chart review to identify missing discharge summaries in electronic medical records
https://doi.org/10.23889/ijpds.v5i1.1144	2020	Shabnam Asghari	A narrative case study of developing a database of people living with HIV
https://doi.org/10.23889/ijpds.v5i1.1100	2020	Bridgette J McNamara	A comparison of methods to identify Indigenous children
https://doi.org/10.23889/ijpds.v5i1.1152	2020	Benjamin Daniels	A validation study of dispensing records to identify incident cancer cases
https://doi.org/10.23889/ijpds.v5i1.1155	2020	Yves Payette	A validation study of self-report vs administrative data for health conditions
https://doi.org/10.23889/ijpds.v5i1.1156	2020	Laura Rasmussen-Torvik	A methodological study of the number of visits to be included in an observational study cohort
https://doi.org/10.23889/ijpds.v5i1.1340	2020	Mhd. Wasem Alsabbagh	Development of algorithms to measure primary care indicators using administrative data
https://doi.org/10.23889/ijpds.v5i1.1345	2020	Anushka Vidanage	Evaluated a privacy-preserving record linkage technique
https://doi.org/10.23889/ijpds.v5i1.1160	2020	Yan Wang	A method to estimate population sizes
https://doi.org/10.23889/ijpds.v5i1.1344	2020	Tyler Williamson	Development and validation of a frailty algorithm using primary care data
https://doi.org/10.23889/ijpds.v5i1.1355	2020	Lauren Cross	Thematic analysis of requests to link data in the UK

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Supplementary Table S1: Continued

Article DOI	Year	First author name	Reason ineligible
https://doi.org/10.23889/ijpds.v5i1.1347	2020	Shaun Francis Purkiss	A comparison of disease prevalence estimates from administrative and survey data
https://doi.org/10.23889/ijpds.v5i1.1121	2020	Christian Schnier	A descriptive study of dementia incidence using linked data
https://doi.org/10.23889/ijpds.v5i1.1157	2020	James C Doidge	A comparison of Downs' syndrome prevalence in linked administrative and surveillance datasets
https://doi.org/10.23889/ijpds.v5i1.1151	2020	Tony Whiffen	A comparison of methods to identify Indigenous children
https://doi.org/10.23889/ijpds.v5i1.1346	2020	Rowena Griffiths	A validation study of identifying cystic fibrosis in linked administrative datasets
https://doi.org/10.23889/ijpds.v5i1.1128	2020	Harry Hemingway	Review article
https://doi.org/10.23889/ijpds.v5i1.1158	2020	Iffat Naeem	Review article
https://doi.org/10.23889/ijpds.v5i1.1145	2020	Rohan Borschmann	Protocol paper
https://doi.org/10.23889/ijpds.v5i1.1119	2020	Georgina M Chambers	Protocol paper
https://doi.org/10.23889/ijpds.v5i1.1154	2020	Fiona V Lugg-Widger	Protocol paper
https://doi.org/10.23889/ijpds.v5i1.1338	2020	Nadine J Dougall	Protocol paper
https://doi.org/10.23889/ijpds.v5i1.1353	2020	P Alison Paprica	Described requirements for data trusts
https://doi.org/10.23889/ijpds.v5i1.1125	2020	Lucia Otero Varela	Described distributed data network
https://doi.org/10.23889/ijpds.v5i1.1159	2020	Stuart Bedston	Described a new data resource
https://doi.org/10.23889/ijpds.v5i1.1374	2020	Lindsey Todd Dahl	Commentary
https://doi.org/10.23889/ijpds.v5i1.1099	2020	David Youens	Commentary
https://doi.org/10.23889/ijpds.v5i1.1126	2020	Kate Marie Lewis	Commentary
https://doi.org/10.23889/ijpds.v5i1.1150	2020	Allison Feely	Commentary
https://doi.org/10.23889/ijpds.v5i1.1123	2020	Seungwon Lee	Described a new electronic health record system available for research
https://doi.org/10.23889/ijpds.v4i1.939	2019	Carla Medalia	Described the development of an income dataset
https://doi.org/10.23889/ijpds.v4i1.586	2019	Mhairi Aitken	A consensus statement on public involvement and engagement with data-intensive health research
https://doi.org/10.23889/ijpds.v4i1.1093	2019	Miranda Jane Mourby	Described issues and solutions linking health data for research
https://doi.org/10.23889/ijpds.v4i1.1103	2019	Jack Teng	Results of a deliberative public engagement event
https://doi.org/10.23889/ijpds.v4i1.1095	2019	Adrian P Brown	Evaluated bloom filters for probabilistic linkage
https://doi.org/10.23889/ijpds.v4i1.1109	2019	Kerina H Jones	Review article
https://doi.org/10.23889/ijpds.v4i1.1127	2019	Charini Nanayakkara	An evaluation of group-based record linkage
https://doi.org/10.23889/ijpds.v4i1.1124	2019	Mark Smith	Described tools and techniques to support a population research data repository
https://doi.org/10.23889/ijpds.v4i1.1094	2019	Sean Randall	Evaluation of a protocol for privacy preserving linkage
https://doi.org/10.23889/ijpds.v4i1.1104	2019	Sophie Jane Clark	A learning log and semi-structured interviews regarding data linkage without patient identifiers

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Article DOI	Year	First author name	Reason ineligible
https://doi.org/10.23889/ijpds.v4i1.579	2019	Karen Susan Tingay	Linkage rates and descriptive characteristics of cohorts
https://doi.org/10.23889/ijpds.v4i1.1107	2019	Suneela Mehta	Overview of a linked data resource build with cohort descriptive statistics
https://doi.org/10.23889/ijpds.v4i1.587	2019	Kerina Helen Jones	A qualitative survey of challenges using linked administrative data for research
https://doi.org/10.23889/ijpds.v4i1.1074	2019	Theodore Adrien Walls	Review article
https://doi.org/10.23889/ijpds.v4i1.1101	2019	Matthew Alexander Jay	Protocol paper
https://doi.org/10.23889/ijpds.v4i1.582	2019	Nichola McCullough	Protocol paper
https://doi.org/10.23889/ijpds.v4i1.581	2019	Laszlo Trefan	Protocol paper
https://doi.org/10.23889/ijpds.v4i1.1092	2019	Charles Rahal	Protocol paper
https://doi.org/10.23889/ijpds.v4i1.1097	2019	Nadine E Andrew	Protocol paper
https://doi.org/10.23889/ijpds.v4i1.1108	2019	David Alexander Gunn Henderson	Described dataset linkage rates
https://doi.org/10.23889/ijpds.v4i1.1116	2019	Jacqueline Kathleen Kueper	Defined a population health concept across different datasets
https://doi.org/10.23889/ijpds.v4i1.937	2019	Zachary H Seeskin	Described tools to evaluate the quality of administrative data
https://doi.org/10.23889/ijpds.v4i1.465	2019	Kiran Pohar Manhas	Commentary
https://doi.org/10.23889/ijpds.v4i1.1106	2019	P Alison Paprica	Commentary



Supplementary Table S2: Data abstracted from IJPDS articles rated as eligible for inclusion in the RWE review

Article DOI	Publication year	First author name	Protocol available	Referred to using guideline or checklist	Data availability statement	Details of data repository	Syntax available
https://doi.org/10.23889/ijpds.v9i1.2132	2024	Nicolas Libuy	No	No	Yes	Yes	No
https://doi.org/10.23889/ijpds.v9i1.2374	2024	Waleed Mohamed Abdeldayem	No	No	Yes	No	No
https://doi.org/10.23889/ijpds.v9i1.2362	2024	Ian Farr	No	No	Yes	No	No
https://doi.org/10.23889/ijpds.v9i1.2179	2024	Elizabeth Lemmon	No	Yes	No	No	No
https://doi.org/10.23889/ijpds.v9i1.1770	2024	Jen Murphy	No	No	No	No	No
https://doi.org/10.23889/ijpds.v9i1.2364	2024	Elizabeth Darling	No	No	Yes	Yes	Yes; available from authors on request
https://doi.org/10.23889/ijpds.v9i1.2180	2024	Hsei Di Law	Yes	No	Yes	No	No
https://doi.org/10.23889/ijpds.v9i1.2143	2024	Ana Miller	No	No	No	No	No
https://doi.org/10.23889/ijpds.v8i1.2150	2023	Samanta J. Lain	No	No	No	No	No
https://doi.org/10.23889/ijpds.v8i1.2118	2023	Sarah Ahmed	No	No	No	No	No
https://doi.org/10.23889/ijpds.v8i1.1768	2023	Katharina Diernberger	No	No	No	No	No
https://doi.org/10.23889/ijpds.v8i1.1751	2023	Branislav Igic	No	No	No	No	No
https://doi.org/10.23889/ijpds.v8i1.2152	2023	Jinette Comeau	No	No	Yes	No	No
https://doi.org/10.23889/ijpds.v8i1.2123	2023	Alan Katz	No	No	No	No	No
https://doi.org/10.23889/ijpds.v7i1.1756	2022	Jacqueline K Kueper	No	Yes	No	No	No
https://doi.org/10.23889/ijpds.v7i1.1725	2022	Daniela K Schlüter	No	No	No	No	No
https://doi.org/10.23889/ijpds.v7i1.1723	2022	Rhodri David Johnson	No	No	No	No	No
https://doi.org/10.23889/ijpds.v7i1.1717	2022	Amrita Bandyopadhyay	No	No	No	No	No
https://doi.org/10.23889/ijpds.v7i1.1735	2022	Jennifer Enns	No	No	Yes	No	No
https://doi.org/10.23889/ijpds.v6i1.1385	2021	Rachel Pearson	No	No	Yes	No	No
https://doi.org/10.23889/ijpds.v6i1.1342	2021	Orla McBride	No	No	Yes	Yes	No
https://doi.org/10.23889/ijpds.v6i1.1676	2021	Francis Mitrou	No	No	Yes	No	No
https://doi.org/10.23889/ijpds.v6i1.1685	2021	Stuart William Jarvis	No	No	No	No	No
https://doi.org/10.23889/ijpds.v6i1.1407	2021	Natasha Ruth Saunders	Yes; available from authors on request	No	Yes	Yes	Yes; available from authors on request
https://doi.org/10.23889/ijpds.v6i1.1403	2021	Peter Murchie	No	No	No	No	No
https://doi.org/10.23889/ijpds.v6i1.1649	2021	Emma Curran	No	No	No	No	No
https://doi.org/10.23889/ijpds.v6i1.1414	2021	Shaun Purkiss	No	Yes	No	No	No
https://doi.org/10.23889/ijpds.v6i1.1401	2021	Jen Murphy	No	No	No	No	No
https://doi.org/10.23889/ijpds.v6i1.1395	2021	Jason E. Black	No	No	No	No	Yes; supplementary material (link not working)
https://doi.org/10.23889/ijpds.v5i1.1114	2020	Carol Anne McInerney	No	No	No	No	No
https://doi.org/10.23889/ijpds.v5i1.1388	2020	Nicholas Quinn	No	No	No	No	No
https://doi.org/10.23889/ijpds.v5i1.1147	2020	Daphne N. McRae	No	No	No	No	No
https://doi.org/10.23889/ijpds.v5i1.1153	2020	Sunil Kumar Bhat	No	No	No	No	No
https://doi.org/10.23889/ijpds.v5i1.1337	2020	Stephanie Todd	No	No	No	No	No
https://doi.org/10.23889/ijpds.v5i1.1343	2020	Sabrina Wong	No	No	Yes	No	No
https://doi.org/10.23889/ijpds.v5i1.1351	2020	Lauren E Wallar	No	No	Yes	Yes	No
https://doi.org/10.23889/ijpds.v4i1.453	2019	Jennifer Christine Fairthorne	No	No	No	No	No
https://doi.org/10.23889/ijpds.v4i1.461	2019	Lynn Robertson	No	Yes	Yes	Yes	No
https://doi.org/10.23889/ijpds.v4i1.584	2019	Jamie C Brehaut	No	No	No	No	No
https://doi.org/10.23889/ijpds.v4i1.1102	2019	Neeru Gupta	No	Yes	No	No	No
https://doi.org/10.23889/ijpds.v4i1.1122	2019	Michael Rosato	No	No	No	No	No

