

## AUTHORS

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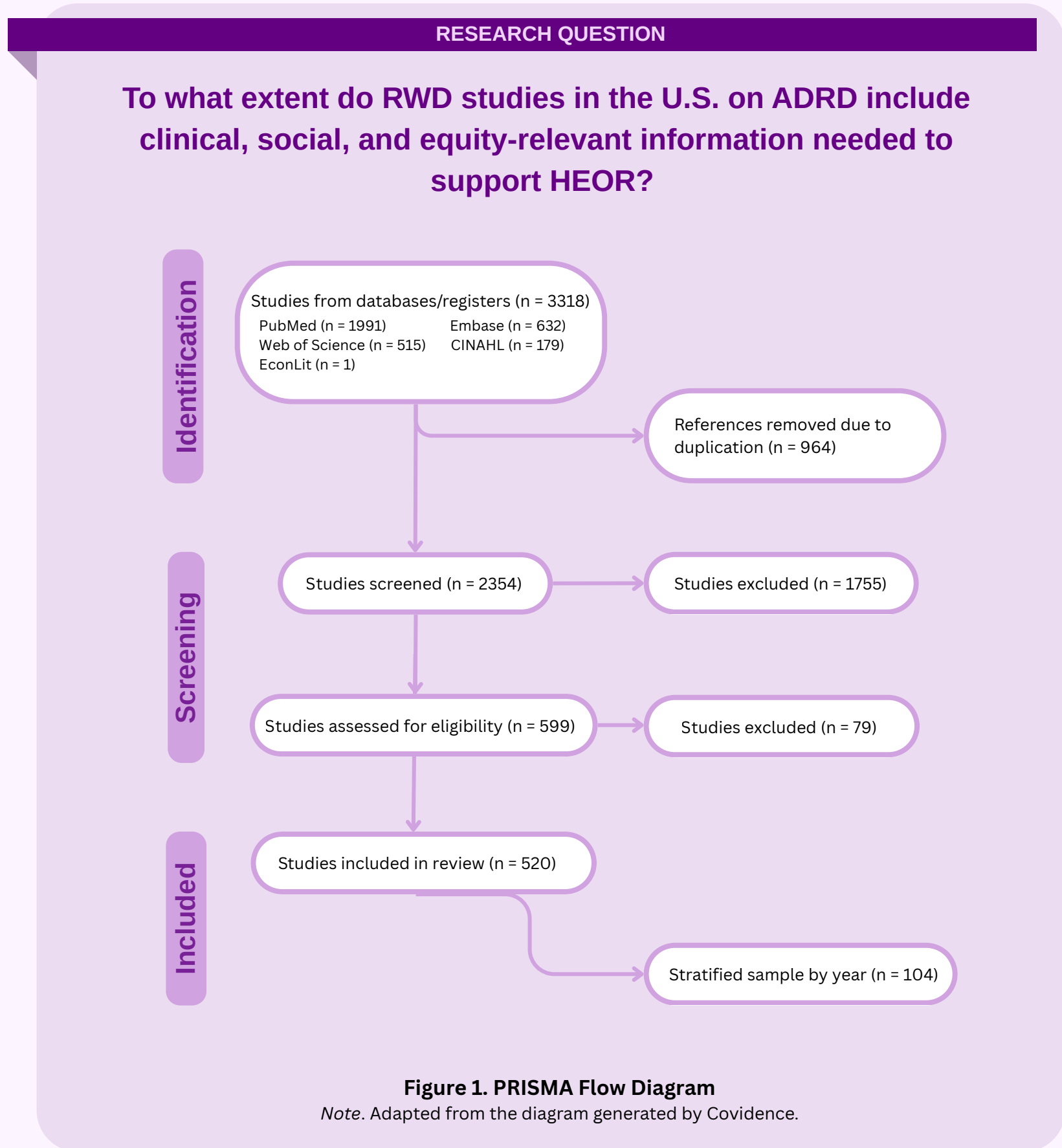
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## INTRODUCTION

- The Alzheimer's Association prioritizes **health services research (HSR)** to improve care and outcomes for **Alzheimer's disease and related dementias (ADRD)**
- Real-world data (RWD)**, including claims, electronic health records, and registries, are increasingly used to study healthcare utilization and outcomes
- This study examines whether current RWD use supports **health economics and outcomes research (HEOR)**

## METHODS

- Framework:** Arksey & O'Malley; PRISMA-ScR
- Databases:** PubMed, Embase, Web of Science, CINAHL, EconLit
- Timeframe:** January 2020 - March 2025
- Sample:** 104 peer-reviewed studies
- Data Extracted:** RWD source, study design, data linkage, research focus
- Analysis:** Thematic analysis using MAXQDA



**Figure 1. PRISMA Flow Diagram**  
*Note.* Adapted from the diagram generated by Covidence.

## RESULTS

- RWD Sources:** Claims (72%) most common; CMS datasets (31%) and EHRs (16%) less frequently used; patient registry use minimal (1%)
- Study Design:** Predominantly retrospective cohort (76%)
- Data Linkage:** 63% of studies used linked data
- Research Focus:** Studies primarily examined
  - Epidemiology and Population Health (54%)
  - Health Outcomes (44%)
  - Healthcare Utilization (34%)
  - Quality (26%)
  - Access (21%)
  - Disparities (15%)
  - Costs (4%)

## CONCLUSION

- RWD use** in ADRD HSR is concentrated in claims-based and **retrospective designs**
- Research primarily focuses on **utilization and health outcomes**, with less attention to **cost, access, and disparities**
- Future Research:** Strengthening RWD infrastructure, including integration of **clinical, social, and patient registry data**, is needed to support **value assessment, reimbursement, and policy decision-making**

## ACKNOWLEDGEMENTS

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