

## **Appendix A – Search Terms and Strategies**

**Intervention Terms:** "telemedicine" OR "telehealth" OR "remote healthcare" OR "eHealth" OR "virtual care" OR "mHealth" OR "remote consultation"

**Population Terms:** "disaster" OR "disaster response" OR "emergency response" OR "disaster management" OR "emergency management" OR "natural disaster" OR "man-made disaster" OR "mass casualty" OR "crisis response" OR "humanitarian response"

**Population Terms (COVID-19):** "pandemic" OR "COVID-19" OR "coronavirus" OR "COVID"

\*Terms were adjusted according to the syntax of the database.

## **Appendix B – Inclusion & Exclusion Criteria**

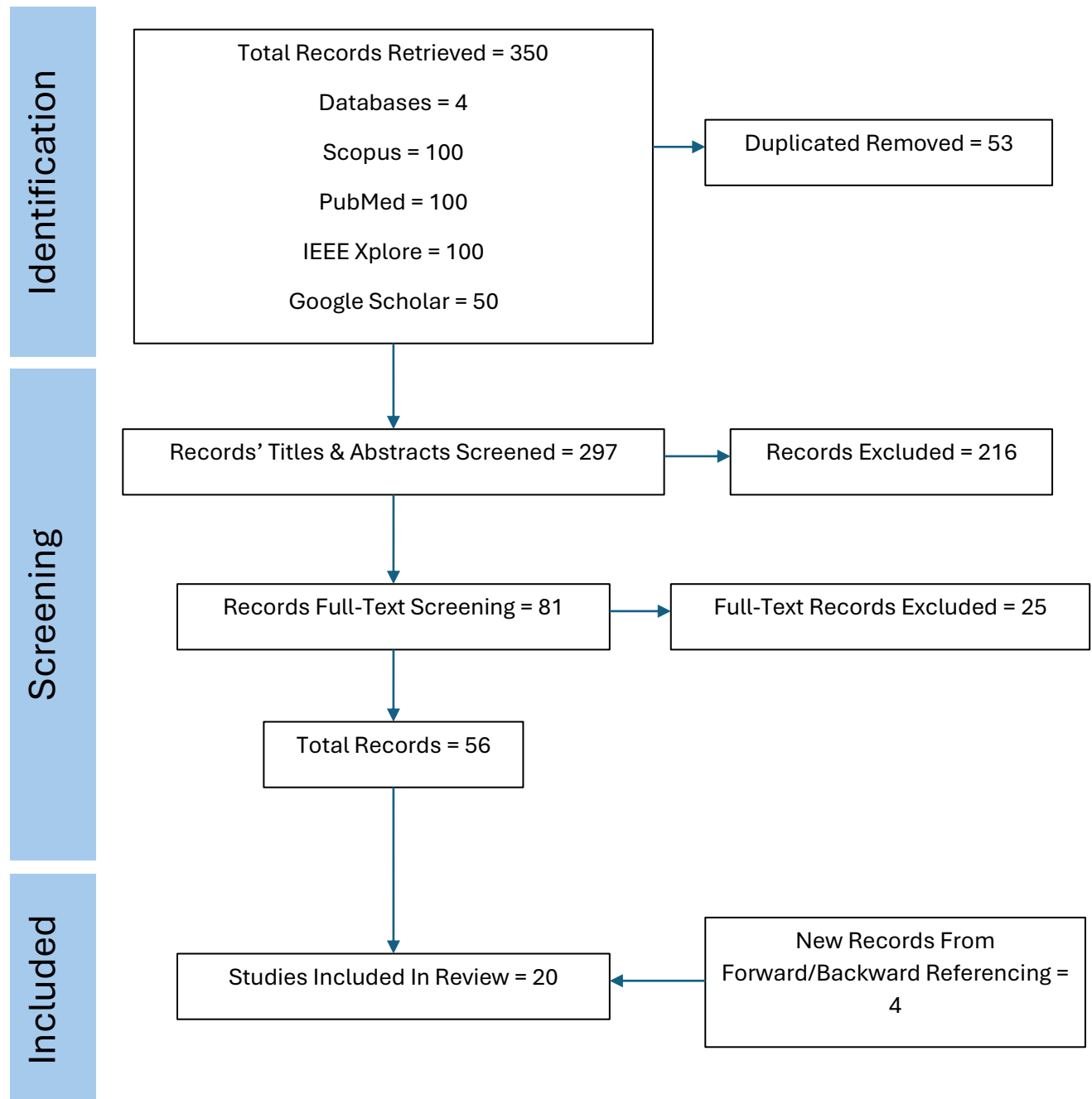
### **Inclusion Criteria**

- **Population:** Studies involving healthcare providers and/or patients impacted by disaster events, such as natural disasters (earthquakes, hurricanes), human-made disasters (wars, industrial accidents), and health crises.
- **Intervention:** Using telemedicine in any form (e.g., virtual care, m-health, or remote services) to provide healthcare services in disaster settings.
- **Setting:** Disaster and emergency scenarios. This includes disaster response preparation, ongoing disaster response, and post-disaster recovery.
- **Outcomes:** Changes to aid/healthcare access, continuity of healthcare, effectiveness of telemedicine in disaster response, logistical or technological challenges, and benefits or limitations of telemedicine in these settings. Infrastructure and policy changes relevant to disaster preparedness or response, will also be included
- **Study Type:** articles, reports, and case studies that address telemedicine applications in disaster settings
- **Language:** English

### **Exclusion Criteria**

- **Non-Disaster-Specific Studies:** Exclude studies that do not explicitly focus on telemedicine applications in disaster or emergency contexts (e.g., routine telemedicine uses in non-emergency healthcare settings).
- **Insufficient Focus on Telemedicine:** Exclude studies that briefly mention telemedicine without detailing its use, impact, or challenges in disaster settings.

### Appendix C – Prisma Flow Chart

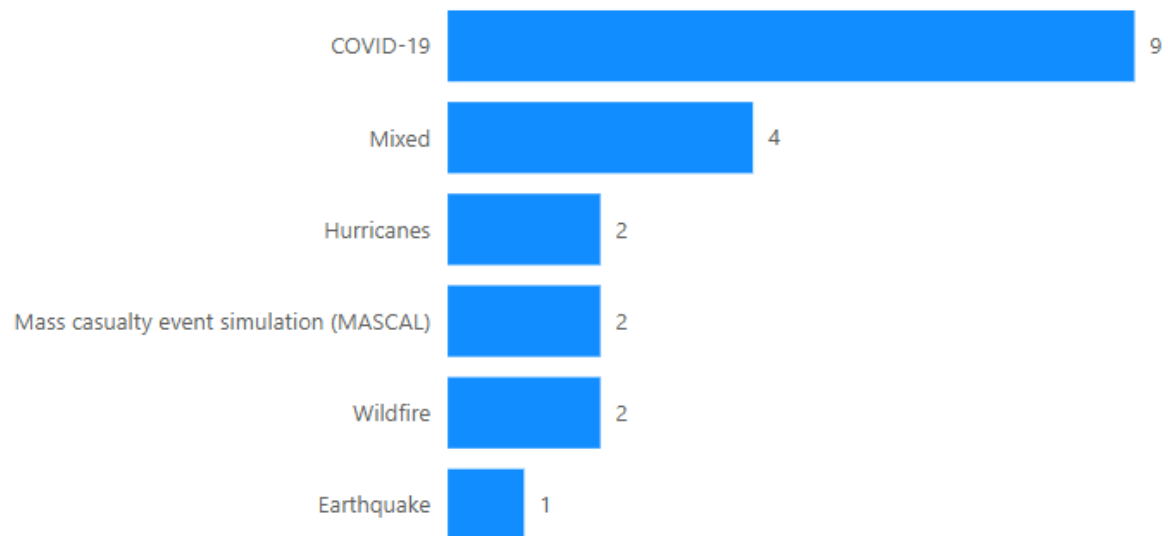


Appendix D – Data Characteristics (General)

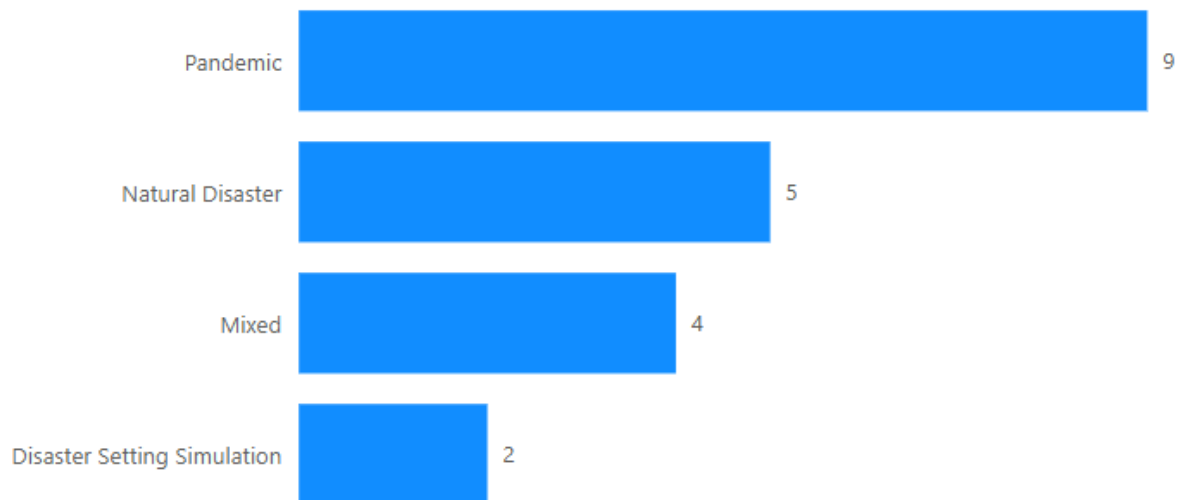


## Appendix E – Data Characteristics (Disaster Settings)

### Articles by Disaster Settings



### Articles by Disaster Setting Types



## **Appendix F – Data Characteristics (Telemedicine Systems)**

