

**Online Supplement**

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## 1. Search Strategy

### PubMed

Search conducted on March 28, 2020

*(psycho\* or psycholo\* or "mental health" or "mental disorder" or suicide or stress or fear or panic or anxiety\* or depressi\* or trauma or ptsd or post-traumatic stress disorder [Title/Abstract]) AND (pandemic or ebola or "swine flu" or H1N1 or "severe acute respiratory syndrome" or "middle east respiratory syndrome"[Title/Abstract])*

### PsycINFO

Searches conducted on March 28, 2020

Multi-field search of MESH subject terms, titles, and abstracts for *mental health or mental disorder or psych\* or psycholo\* or suicide or stress or fear or panic or anxiety\* or depressi\* or trauma or ptsd or post-traumatic stress disorder AND pandemic or ebola or swine flu or H1N1 or severe acute respiratory syndrome or middle east respiratory syndrome*

### MEDLINE

Searches conducted on March 28, 2020

*((mental health) or mental disorder) or psych\*) or psycholo\*) or suicide) or stress) or fear) or panic) or anxiety\*) or depressi\*) or trauma) or ptsd) or post-traumatic stress disorder)) AND (pandemic) or coronavirus) or COVID-19) or ebola) or swineflu) or H1N1) or severe acute respiratory syndrome) or middle east respiratory syndrome))*

## 2. Review Strategy

Studies were manually reviewed for inclusion by title, abstract, then full paper.

### *Inclusion criteria*

- Peer-reviewed
- English language
- Published from 2000-2020
- At least one factor related to mental health among healthcare providers during SARS, MERS, Ebola, and Swine Flu, including: prevalence of mental illness or psychological wellbeing, factors associated with mental illness or psychological wellbeing; evaluations of interventions to support mental health of providers during these outbreaks

### *Exclusion criteria at each review phase:*

#### Title

- Does not reference a chosen pandemic
- Commentary, opinion piece, protocol, or review
- Not in a peer-reviewed journal

#### Abstract

Same as title review, plus:

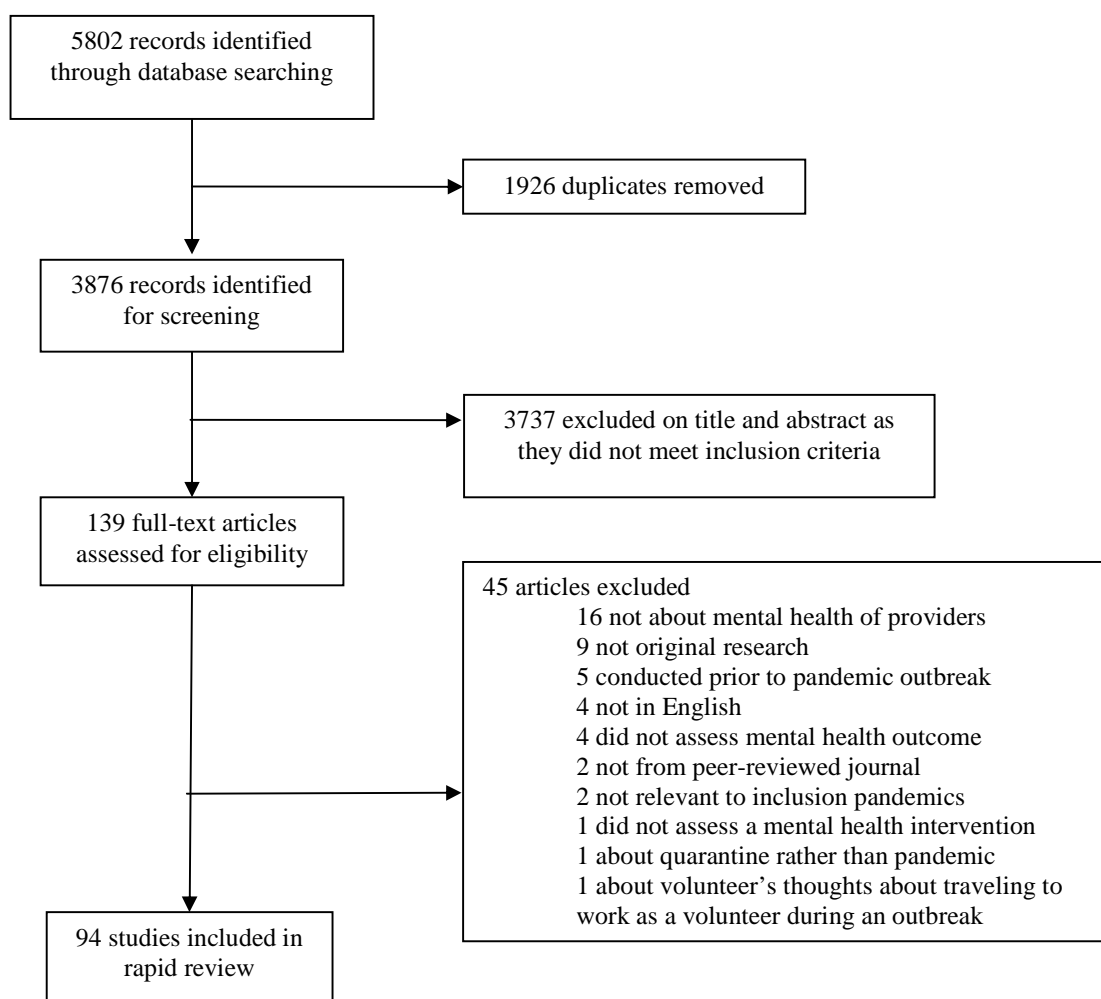
- Related to mental health of non-providers (patients, public)
- Outcomes evaluated are not programmatic
- Not in English

#### Full Paper

Same as title and abstract review, plus:

- Analyzes mental health in anticipation of an outbreak
- Analyzes mental health among providers far in location from the outbreak
- No outcome related to provider mental health
- Mental health unevaluated component of intervention
- Full paper unavailable

### 3. Supplementary Figure: Study Flow Diagram



#### 4. References for All Included Studies

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