



**Healthy  
Mind**

**Healthy  
Future**



18th Annual Child Health Research Days  
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ABSTRACT SUBMISSION FORM

## CHR D 2022: Abstract & Poster Submission Form

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**Presenter Status**

- Undergraduate Students
- Masters Student
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- Post-Doctoral Fellows
- Residents
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**Research Category**

- Basic Science
- Clinical
- Community Health / Policy

**Role in the project**

- Design
- Perform Experiments
- Analyze Data
- Write Abstract

**Title**

vACCine COncidence amongst those living with alleRgy during the covid pandemic (ACCORD): a scoping review

## Background

Despite the clear evidence on vaccine safety and efficacy of COVID-19 vaccines, misinformation remains rampant across online platforms. In addition to the dissemination of misinformation online, documented reports of allergic reactions to COVID-19 vaccines have contributed to decreased vaccine confidence among the general population.

## Objective

We aimed to conduct a living scoping review on peer-reviewed and grey literature on COVID-19 vaccine hesitancy and allergic reactions.

## Methods

Guided by Arksey and O'Malley's framework for methodological reviews, we searched four scientific databases (MEDLINE, Embase, PsycINFO, CINAHL) using a search strategy developed by content and methodological experts. No restrictions were applied on the type of COVID-19 vaccine, country of study, and language of publication. Grey literature searches were restricted to 10 languages. The study population included patients of all ages. The search was reported according to the Preferred Reporting Items for Systematic reviews and Meta-Analyses extension for Scoping Reviews.

## Results

Of the 1385 unique records retrieved from our comprehensive search, 60 (4.3%) articles were included. Allergic reactions to the COVID-19 vaccine were rare in the general population, and slightly more common in individuals with prior allergic disease history, though maintaining rarity. A fifth of the studies (13/60; 22%) discussed vaccine hesitancy due to possibility of an allergic reaction. Additionally, the present review identified research on details of vaccine-related anaphylaxis (e.g., mean and median (excluding clinical trial data): 12.4 and 5 cases, respectively per million doses) and allergic reactions (e.g., mean and median (excluding clinical trial data): 489 and 528 cases, respectively per million doses).

## Conclusion

Despite the low incidence of serious vaccine-related adverse reactions, fear of allergic reactions to the COVID-19 vaccine is one of the leading causes of vaccine hesitancy. Therefore, it is imperative to dispel misinformation and ensure that the appropriate information is promoted widely to reduce vaccine hesitancy.

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- For each author, please click "[+] Add Item" and provide the author's information

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