

Peer Review

Review of: "Novel Technologies for Intradermal Delivery of Fractional-Dose Inactivated Poliomyelitis Vaccine: A Review of Implementation Research and Implications for Equitable Vaccine Access"

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The review manuscript focuses on implementation research for novel intradermal (ID) delivery methods for fIPV, to understand the various ID delivery options, their implementation challenges and benefits, and their potential for use with other vaccines like rabies, malaria, and mpox.

In this work, a literature search of studies from January 2015 to July 2024 was conducted to find publications on novel alternatives to traditional needle-and-syringe ID delivery of fIPV.

This is an important review aimed at highlighting the benefits of novel ID delivery technologies, such as improved coverage rates, higher healthcare worker and caregiver acceptance, and potential cost savings.

- However, to search in PubMed to identify literature with the terms “inactivated polio vaccine” and “intradermal delivery” is a very limiting search; it would be better if you used general phrases such as “intradermal delivery of vaccine” in your search to select for various studies that included human-use implementation research on alternative ID delivery technologies for vaccines alone or compared with other delivery methods.
- In the Materials and Methods section, please add brief descriptions of the vaccine delivery technologies discussed in your manuscript, with images if possible.
- Tables 1 and 3 are the same; if you are using the same table to show the summary of the publications reviewed and the summary of the ID delivery attributes, please delete Table 3 and mention only Table

1 when you are referring to the summary of the publications reviewed or the summary of the ID delivery attributes.

- Regarding the references, in the manuscript text, in some instances you are combining the author's first name, year, and a reference number; please use only the journal reference formatting.

Declarations

Potential competing interests: No potential competing interests to declare.