

In the context of recent pandemic, discuss the various steps to deal with the challenge involved in conduct of clinical trial for vaccination.

COVID-19 vaccine was the most awaited medicine and the most important medicine for the whole world and economy.

Countries started the clinical trial to regain its economy and bring people's life back on track.

The challenges faced are:

(I) Medical

↳ Side effect can cause serious problem and

↳ majority of side effect are unknown, and sometime may cause death.

(II) Fake news & lack of confidence among people

↳ many fake news spread before the use of vaccine

↳ leads to lack of trust among people.

↳ Fake news are just a method to defame the vaccine

(III) Supply Chain Issue!

↳ Lack of proper supply

↳ no proper reach of vaccine

(W) Infrastructure:

↳ No proper roads and railways for supply to each and every person.

(V) Storage:

↳ The vaccine needs proper storage facility to avoid the reactivity loss.

(IV) Over crowd and Proper Management:

↳ Overcrowd area can lead to spread of virus.

↳ Need will be of proper management with the guided guideline or SOP like social distancing etc.

* Solution for Challenge:

- need for proper analysis of efficiency
- building faith among the volunteers
- proper regulation in Media to avoid Fake News
- Providing medical management for adverse events
- Ensure post trial access to participation patients if the drug is good for health
- Improving quality that can be produced etc.

* Conclusion:

For the easy go trial of clinical stage there is a need of proper coordination & transparency