



Perception of Community Pharmacy Staff toward the COVID-19 Vaccination and Adverse Events: Knowledge, Attitude, and Practice Survey approach in the Twin Cities of Pakistan

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Gender	Male Female
Residence	Rawalpindi Islamabad
Workplace	Community pharmacy Hospital pharmacy
City	Rawalpindi Islamabad
Are you willing to receive the COVID-19 vaccination	Yes No
If yes, please specify the main reason	Protect themselves Protect their families Working reasons (high risk of exposure)

If no, please specify the main reason: Limited risk of exposure to COVID-19	Vaccination is considered not safe Vaccination is considered not unnecessary
Fear of COVID-19 vaccination's long-term side effects	Yes No
Personal risk of contracting severe COVID-19 disease	Low Middle high
Have you ever heard about COVID-19?	Yes No

Knowledge of pharmacists towards COVID-19 vaccines.

COVID-19 is caused by the beta coronavirus	Yes No
Heard about the COVID-19 vaccine	Yes No
Adherence to influenza vaccination	Yes No
If yes, please specify the main reason	Protect themselves Protect their families Working reason
If no, please specify the main reason	Unnecessary vaccination No exposure to influenza Unsafe vaccination
Do you think that the COVID-19 vaccine protects you from getting COVID-19	Yes No
Common clinical symptoms of COVID-19 are fever, dry cough, dyspnea, and malaise.	Yes No
Sneezing, runny nose, stuffy nose, and headache are less common symptoms of COVID-19	Yes No
Loss of taste and smell is characteristic of COVID-19 infection	Yes No
Do you think that the COVID-19 vaccine is given in 2 doses	Yes No
The ingredients of the vaccine include: the antigen, adjuvants, preservatives, and stabilizers	Yes No
Vaccines reduce the risks of getting a disease by working with the body's natural defenses to build protection	Yes No
Vaccines protect us throughout life and at different ages, from birth to childhood, as teenagers, and into old age	Yes No
Every vaccine must go through extensive and rigorous testing before it can be introduced	Yes No
Improper storage of vaccines may affect the immune response of the vaccine recipient	Yes No
Local adverse reactions such as pain, swelling, and redness at the injection site generally occur within a few hours of the injection and are usually mild and self-limited	Yes No
Systemic adverse reactions may occur following receipt of live, attenuated vaccines, which must replicate to produce immunity	Yes No
Providers should report any clinically significant adverse event occurring after administration of the vaccine, even if they are unsure whether the vaccine caused the event	Yes No

Attitudes of pharmacists towards COVID-19 vaccines

I would like to be vaccinated against COVID-19 (answer "yes" if already vaccinated).	Yes No
I am motivated to be involved in citizens' vaccination work (such as vaccine filling)	Yes No
If vaccination by a pharmacist is approved, I am willing to vaccinate the public	Yes No
If vaccination by a pharmacist is approved at a dispensing pharmacy overseas, I think it will be a great advantage for local residents.	Yes No
If vaccination becomes possible at local pharmacies, I think it can contribute to improving the vaccination rate of local residents.	Yes No

I think that vaccination can prevent the spread of COVID-19.	Yes No
Ultimately, I think we can completely control the infection of COVID-19	Yes No
I think all information related to COVID-19 needs to be shared with other healthcare professionals.	Yes No
I think it is necessary to use gowns, gloves, masks, and face shields when dealing with patients with COVID-19.	Yes No
Involvement in the COVID-19 vaccination campaign	Yes No
If involved, in what capacity?	Vaccine preparation Vaccine administration in community pharmacies
Need to improve competencies for COVID-19 vaccines Need to improve competencies for vaccinations in the National Vaccination Plan	Yes No
I think healthcare professionals need to be aware of all information regarding COVID-19	Yes No
I think it is the pharmacist's social mission to work together to curb the spread of COVID-19 infection.	Yes No
Special area required in pharmacies for patient vaccination and counselling	Yes No
Is the physician ready to accept pharmacist participation in COVID-19 vaccination?	Yes No
Are you satisfied with the services that you currently provide as a community pharmacist?	Yes No
Do you think you have the ability to deliver vaccinations properly?	Yes No
Providing the COVID-19 vaccination is the duty of the hospital pharmacy only	Yes No

Adverse events related to Covid vaccines

Do you think that fever, slight swelling, and redness at the injection site are the side effects of the COVID-19 vaccine	Yes No
Do you think that the COVID-19 vaccine is safe, with some side effects	Yes No
Local adverse reactions such as pain, swelling, and redness at the injection site generally occurred within a few hours of the injection and are usually mild and self-limited	Yes No
Systemic adverse reactions may occur following receipt of live, attenuated vaccines, which must replicate to produce immunity	Yes No
Severe allergic reactions may be life-threatening, but fortunately, they are rare	Yes No
The risk of an allergic reaction can be decreased by effective screening prior to vaccination	Yes No
Providers should report any clinically significant adverse event occurring after administration of the vaccine, even if they are unsure whether the vaccine caused the event	Yes No
Sneezing, runny nose, stuffy nose, and headache are less common symptoms of COVID-19.	Yes No
Common clinical symptoms of COVID-19 are fever, dry cough, dyspnea, and malaise	Yes No
Has someone ever reported ADR in your community setup?	Major Wheezing Swelling of lips, face, and throat Loss of consciousness Epileptic seizure Minor side effects were Fatigue Nervousness Injection site reactions Irritation Sleep disruption Heart burn Headache Fatigue Shortness of breath Anxiety
Patient doesn't get the vaccine because of fear of side effects of the COVID-19 vaccine	Yes No
Have any patients reported seizures after vaccination against COVID-19	Yes No Rare

COVID-19 practices

I have attended a workshop on COVID-19 infection prevention
I keep a social distance from others to prevent infection
When I touch the front door, which is touched by an unspecified number of people, I open and close it while being careful of infection
I wash my hands with soap routinely
I avoid crowds as much as possible
I try not to touch my eyes, nose, and mouth as much as possible.
When dealing with the belongings of a patient suspected of having a coronavirus infection, I take care to prevent infection
When I sneeze or cough, I cover my nose and mouth with a tissue or handkerchief
To prevent infection, I always try to throw used tissue in the trash