



BHR Bulletin, COVID-19 VACCINATION UPDATES

Updated April 6, 2021 (scroll down)

Information provided is taken from the Centers for Disease Control and Prevention ([CDC](#)) and Oregon Health Authority ([OHA](#)) resources, with input from our own Joel Michels, Nurse Practitioner, Occupational Health and Well-being Program Manager.

1. Q: How are vaccines being allocated?

A: Both the [CDC](#) and [OHA](#) have released plans for allocation based on getting vaccine to those at highest risk first, with careful consideration and action to reach those being most affected by COVID-19. The plan is to distribute vaccine in phases -- targeting healthcare personnel, first responders, and people living and working in long-term care and assisted living facilities first. Subsequent phases will get vaccine to those with pre-existing health conditions, older age groups, and frontline essential workers.

2. Q: Why are there phases? Isn't there enough vaccine for everyone?

A: Not yet. Phases are needed to get the vaccine to those at the highest risk and people having complications from COVID-19. Production of vaccine is ongoing and eventually everyone will have an opportunity to be vaccinated.

3. Q: When will I receive my vaccine?

A: It depends on which phase targets you, and when vaccine is available. While you may be offered vaccine from your employer (more on that below), it might be faster to get vaccinated by your primary care provider or a pharmacy if you have a health condition or your age puts you into a high-risk group in one of the earlier phases.

4. Q: How long until essential workers and other staff are offered shots?

A: It depends on how long it takes for everyone in prior phases to get theirs. We are estimating the frontline essential workers' phase may come in early March, but planning is underway preparing for a possible earlier date. No decisions have been finalized about how or where employees will get their shots -- expect more information about this in the coming weeks.

Updated Jan. 19, 2021

5. Q: What are the most common side effects?

A: Pain and swelling at the injection site are the most common. Fatigue, headache,

fever, and chills are also possible and indicate that your immune system is responding to the vaccine and creating antibodies to the virus as expected. These usually last 1-3 days and can be managed by taking over-the-counter analgesic medications as directed by your healthcare provider, using or exercising your arm, staying hydrated, and resting.

6. **Q: If I already had COVID-19 do I still need the vaccine?**

A: Yes. Due to the severe health risks associated with COVID-19 and the fact that reinfection is possible, the CDC advises being vaccinated regardless of whether you already had COVID-19 infection.

7. **Q: What about people who have allergic reactions to vaccines or to other things like penicillin or bee stings?**

A: If you have had an immediate allergic reaction—even if it was not severe—to a vaccine or injectable therapy for another disease, **ask your doctor if you should get a COVID-19 vaccine.** Your doctor will help you decide if it is safe for you to get vaccinated.

The CDC recommends that people with a history of severe allergic reactions not related to vaccines or injectable medications—such as food, pets, venom, environmental, or latex allergies—get vaccinated. People with a history of allergies to oral medications or a family history of severe allergic reactions may also get vaccinated.

If you have had an immediate allergic reaction—even if it was not severe—to any ingredient in an mRNA COVID-19 vaccine, **CDC recommends that you should not get either of the currently available mRNA COVID-19 vaccines.** If you had an immediate allergic reaction after getting the first dose of an mRNA COVID-19 vaccine, **you should not get the second dose.** Your doctor may refer you to a specialist in allergies and immunology to provide more care or advice.

8. **Q: What are the vaccine ingredients?**

A: The two COVID-19 vaccines currently available in the United States do **not** contain eggs, preservatives, or latex. For a full list of ingredients, please see each vaccine's Fact Sheet for Recipients and Caregivers:

[Pfizer-BioNTech COVID-19 vaccine](#)

[Moderna COVID-19 vaccine](#)

People who are allergic to any of the ingredients including polyethylene glycol (PEG) or polysorbate should not get an mRNA COVID-19 vaccine. These recommendations include allergic reactions to PEG and polysorbate. Polysorbate is not an ingredient in either mRNA COVID-19 vaccine but is closely related to PEG, which is in the vaccines.

9. **Q: Can I get the vaccine if I'm pregnant or breastfeeding?**

A: While no data are available yet on the safety of COVID-19 vaccines during pregnancy, people who are pregnant and part of a [group recommended](#) to receive the COVID-19 vaccine may choose to be vaccinated. Talk with your healthcare provider to help make an informed decision.

No data are available yet on the safety of COVID-19 vaccines in lactating women or on the effects of mRNA vaccines on breastfed infants or on milk production/excretion. mRNA vaccines are not thought to be a risk to breastfeeding infants. People who are breastfeeding and are part of a [group recommended](#) to receive a COVID-19 vaccine, such as healthcare personnel, may choose to be vaccinated.

To make sure that more information is gathered regarding the safety of these vaccines when administered during pregnancy, pregnant people are encouraged to enroll in [v-safe](#), CDC's new smartphone-based tool being used to check-in on people's health after they receive a COVID-19 vaccine.

Updated Jan. 26, 2021

10. **Q: Is it safe to receive the vaccine if I have an underlying health condition?**

A: People with underlying medical conditions can receive the FDA-authorized COVID-19 vaccines provided they have not had [an immediate or severe allergic reaction](#) to a COVID-19 vaccine or to any of the ingredients in the vaccine. Learn more about vaccination [considerations for persons with underlying medical conditions](#). Vaccination is an important consideration for adults of any age with **certain underlying medical conditions** because they are at increased risk for severe illness from the virus that causes COVID-19.

11. **Q: Do I need to wear a mask and avoid close contact with others after I receive two doses of the vaccine?**

A: Yes. Not enough information is currently available to say if or when CDC will stop recommending that people [wear masks](#) and [avoid close contact with others](#) to help prevent the spread of the virus that causes COVID-19.

Experts need to understand more about the protection that COVID-19 vaccines provide in real-world conditions before making that decision. Other factors, including how many people get vaccinated and how the virus is spreading in communities, will also affect this decision. We also don't yet know whether getting a COVID-19 vaccine will prevent you from spreading the virus that causes COVID-19 to other people, even if you don't get sick yourself.

Continue using **all the tools** available to [protect yourself and others](#) and help stop this pandemic including:

- Wear a mask over your nose and mouth
- Stay at least 6 feet away from others
- Avoid crowds
- Avoid poorly ventilated spaces
- Wash your hands often

12. Q: Can I get the COVID-19 vaccine at the same time as other vaccines?

A: No. Wait at least 14 days before or after getting any other vaccine, including a flu or shingles vaccine.

If a COVID-19 vaccine is inadvertently given within 14 days of another vaccine, you do **not** need to restart the COVID-19 vaccine series; you should still complete the series on schedule. When more data are available on the safety and effectiveness of COVID-19 vaccines administered simultaneously with other vaccines, CDC may update this recommendation.

Updated Feb. 2, 2021

13. Q: I believe I'm eligible for a vaccine based on the current phase of distribution (currently 1A). How do I sign up?

A: Visit Oregon's vaccine website: <https://covidvaccine.oregon.gov/>. Check out this short instructional video: [Scheduling COVID-19 OCC Vaccinations - How to Guide](#).

14. Q: How long does it take for the vaccine to start working?

A: It takes a few weeks for your body to produce antibodies after any vaccination. With the Pfizer and Moderna vaccines, you won't get peak protection until after you get the booster shot three to four weeks after the first shot. Trial data from both vaccines indicate they were around 52% effective 1-2 weeks after the first dose and reached 95% efficacy two weeks after the second dose.

15. Q: What if I can't get the second dose or I miss my appointment?

A: Try to stick as closely as possible to the prescribed schedule. If scheduling conflicts prevent you from coming back for the booster shot on the exact day it's due, federal health officials say that second doses can be given up to four days earlier than the recommended date. The CDC now says that if supplies are low or appointments aren't

available, patients may extend the interval between doses up to six weeks if getting it sooner is “not feasible.”

16. Q: Is it safe to take a pain or fever reducer before or after getting my vaccine?

A: While it is safe to take a pain or fever reducer like acetaminophen or ibuprofen to relieve discomfort after you get vaccinated, don't try to prevent discomfort by taking these before getting the shot. Several medical and health groups, including the [Henry Ford Health System](#) and [UCI Health](#), think taking these medications before receiving a vaccine may lessen your immune response to the vaccine, reducing its overall effectiveness.

Updated Feb. 9, 2021

17. Q: What is an mRNA vaccine, and how does it work?

A: An mRNA vaccine uses a piece of messenger RNA — a set of instructions that tells a cell to make a specific protein. For SARS-CoV-2, this is the spike protein that is found on the surface of the viral envelope. The mRNA used in the vaccine does not enter the cell's nucleus and consequently has no interaction with a cell's DNA. It is also not a full virus and cannot replicate itself. The mRNA is rapidly broken down by the cell once the instructions have been transmitted, so it does not cause mutations or cellular defects, and has not been associated with infertility. Once the spike protein is made, it is put on the surface of the cell, where it is seen by the immune cells and causes them to become activated and respond.

The result is the production of neutralizing antibodies. If a person who is immunized becomes infected with the virus, the neutralizing antibodies will bind to the virus and prevent it from entering cells and causing disease.

18. Q: Can an mRNA vaccine cause COVID-19?

A: No. An mRNA vaccine is not a virus and can't cause disease. Because it activates the immune system, it can cause mild symptoms in some people (e.g., fatigue, achiness, fever). Based on data from the clinical trials, the most common reactions to the vaccine are pain at the injection site, fatigue, headache, and muscle aches. These symptoms are very common with other vaccines, including the flu shot, and are a sign that the body is responding to the vaccine.

19. Q: Are COVID-19 vaccines safe?

A: All the COVID-19 vaccines being used have gone through rigorous studies to ensure they are as safe as possible. Systems that allow the CDC to watch for safety issues are in place across the entire country.

The U.S. Food and Drug Administration (FDA) has granted Emergency Use Authorizations for COVID-19 vaccines that have been shown to meet rigorous safety criteria and be effective as determined by data from the [manufacturers](#) and findings from large clinical trials. [Watch a video describing the emergency use authorization.](#)

Clinical trials for all vaccines must first show they meet rigorous criteria for safety and effectiveness before any vaccine, including COVID-19 vaccines, can be authorized, or approved for use. The known and potential benefits of a COVID-19 vaccine must outweigh the known and potential risks of the vaccine. Learn more about [how federal partners are ensuring the safety of COVID-19 vaccines in the United States.](#)

20. Q: Do I still need to wear a mask and physically distance if I have the vaccine?

A: Yes! While the vaccines provide protection against COVID-19 disease, they have not yet been shown to prevent infection, so people who are immunized may still be able to transmit the virus. Additionally, the greater than 94% efficacy in preventing disease was not observed until several weeks after the second dose of the vaccines. Everyone will still need to wear a mask and practice physical distancing until a large section of the population has developed immunity, which may not be until late 2021. Even then, more data will be needed to see how long immunity lasts. Additional rounds of immunizations may be needed.

Updated Feb. 16, 2021

21. Q: Which lasts longer, immunity from having been infected by COVID-19, or protection from the COVID-19 vaccine?

A: The protection someone gains from having an infection, called “natural immunity,” varies depending on the disease, and it varies from person to person. Because this virus is new, we don’t know how long natural immunity might last. Current evidence suggests that getting the virus again (reinfection) is uncommon in the 90 days after the first infection. We won’t know how long immunity lasts after vaccination until we have more data on how well COVID-19 vaccines work in real-world conditions. Experts are working to learn more about both natural immunity and vaccine-induced immunity, so stay tuned!

22. Q: What’s the easiest way to find out if I’m eligible or sign up for the vaccine?

A: Check out <https://covidvaccine.oregon.gov/>. There is a chat function that can automatically tell you who is currently eligible, and if it is your turn. The site will help you sign up. This site also has lots of helpful vaccine and COVID-19 information.

23. Q: What percentage of the population needs to get vaccinated to reach herd immunity?

A: Experts do not yet know. Herd immunity means that enough people in a community are protected from getting a disease because they've already had the disease, or they've been vaccinated. Herd immunity makes it hard for the disease to spread from person to person, and it even protects those who cannot be vaccinated, like newborns. The percentage of people who need to have protection to achieve herd immunity varies by disease. CDC and other experts are studying herd immunity and will provide more information as it becomes available.

24. Q: What can I do to protect myself from COVID-19, including the new virus variants while I'm waiting for my turn to be vaccinated?

A: The variants spread the same way as the main SARS-CoV-2 virus. To protect yourself and others, follow these recommendations:

- Wear a mask over your nose and mouth
- Stay at least six feet away from others
- Avoid crowds
- Avoid poorly ventilated spaces
- Wash your hands often
- Don't come to work if you're sick

If you believe guidelines are not being followed in your workplace, you may remove yourself from the situation and contact your supervisor/manager, your bureau's Human Resources Business Partner, or your bureau's Safety Officer for resolution. Get more information about these and other steps you can take to [protect yourself and others from COVID-19](#).

Updated Feb. 23, 2021

25. Q: How can people with mobility, technology, or language challenges sign up for the vaccine when it is their turn?

A: While the Oregon Convention Center is the primary location for vaccinations, people with mobility concerns and seniors who would be best served in a vehicle, may use the drive-through clinic at the Portland International Airport Red Economy Parking Lot. Visit www.CovidVaccine.Oregon.gov to register for both mass vaccination clinics. Seniors and any others who need help navigating the tool, can dial 2-1-1. People who read or speak a language other than English can dial 2-1-1 for interpreter support.

26. Q: How are COVID-19 vaccine side effects tracked?

A: The CDC is tracking side effects through a smartphone application called [V-safe](#). This smartphone-based tool uses text messages and web surveys to provide personalized health check-ins after you receive the COVID-19 vaccine. Through this app, you can quickly tell CDC if you are having side effects and depending on your answers, someone from CDC may call you to check on you or get more information. [V-safe](#) also sends a reminder to get your second COVID-19 vaccine dose if you need one. Register at www.vsafe.cdc.gov. (**Note:** V-safe is NOT downloadable. See question #32.)

27. Q: What is herd immunity, and how do we reach it?

A: Herd immunity occurs when enough people become immune to a disease to make its spread unlikely. As a result, the entire community is protected, even those who are not themselves immune. Herd immunity is usually achieved through vaccination, but it can also occur through natural infection. According to a report by the Center for Infectious Disease Research and Policy, current data suggests that around 70 percent of the population would need to be immune to achieve herd immunity to coronavirus.

Updated March 2, 2021

Saturday, Feb. 27, the FDA granted emergency use authorization for the Johnson & Johnson single shot Jansen viral vector vaccine for COVID-19 prevention. This updated section answers general questions about the new vaccine option.

28. Q: How does the Johnson & Johnson viral vector vaccine work?

A: Viral vector vaccines use a modified version of a different virus (the vector) to deliver important instructions to our cells. For COVID-19 viral vector vaccines, the vector (not the virus that causes COVID-19, but a different, harmless virus) will enter a cell in our body and then use the cell's machinery to produce a harmless piece of the virus that causes COVID-19. This piece is known as a spike protein, and it is only found on the surface of the virus that causes COVID-19.

The cell displays the spike protein on its surface, and our immune system recognizes it doesn't belong there. This triggers our immune system to begin producing antibodies and activating other immune cells to fight off what it thinks is an infection.

At the end of the process, our bodies have learned how to protect us against future infection with the virus that causes COVID-19. The benefit is that we get this protection from a vaccine, without ever having to risk the serious consequences of getting sick with COVID-19. Any temporary discomfort experienced after getting the vaccine is a natural

part of the process and an indication that the vaccine is working.

29. Q: What are the advantages and disadvantages of the Johnson & Johnson vaccine?

A: While the vaccine's overall effectiveness against moderate disease is less than the mRNA vaccines (66% overall vs. 95%), it still works quite well, especially at preventing serious disease from COVID-19 (85% vs. 95%). It also prevented all hospitalizations and deaths from COVID-19 in those vaccinated. The J & J vaccine seems to work well against the South African variant (B.1.351) while the other vaccines are still under investigation with the variants. J & J only requires one shot, and it doesn't need the freezing cold storage that the mRNA vaccines do. This means more people, even in more remote places, can be effectively vaccinated. The possible side effects are similar for both types of vaccine and include a sore arm, fever, chills, tiredness, and headache.

Updated March 9, 2021

30. Q: If I've had COVID-19, do I need to wait 90 days before getting vaccinated?

A: Not usually. People with COVID-19 who have symptoms should wait to be vaccinated until they have recovered from their illness and have met the [criteria](#) for discontinuing isolation. Those without symptoms should also wait until they [meet the criteria](#) before getting vaccinated. This guidance also applies to people who get COVID-19 before getting their second dose of vaccine. If you were treated for COVID-19 with monoclonal antibodies or convalescent plasma, you should wait 90 days before getting a COVID-19 vaccine. Talk to your doctor if you are unsure what treatments you received or if you have more questions about getting a COVID-19 vaccine.

31. Q: Is there a pregnancy registry for those receiving the COVID-19 vaccine?

A: Yes! [V-safe](#), the after-vaccine health checker, includes pregnancy tracking. If you report within [v-safe](#) that you were pregnant at the time of vaccination or had a positive pregnancy test after vaccination, you might receive a phone call requesting your participation in the **v-safe** COVID-19 Pregnancy Registry. Registry participants will be contacted for health check-ins several times throughout their pregnancy, as well as at the end of their pregnancy and when their baby is 3 months old. All participation is voluntary, and participants may opt out at any time. Participation is important because the registry helps monitor the safety of COVID-19 vaccines when administered during pregnancy.

32. Q: Where is the [v-safe](#) app? I can't find it in the Google Play or Apple Store.

A: V-safe is not an app you have to download* — it's a secure, online tool you can access with any smartphone that has a touch screen. See these instructions on [how to](#)

[enroll](#). (*This is a **correction** from the Feb. 23, 2021 BHR Bulletin.)

33. Q: Who is paying for the COVID-19 vaccines?

A: The federal government is providing the vaccine free of charge to all people living in the United States. Vaccination providers can be reimbursed for vaccine administration fees by the patient's public or private insurance company or, for uninsured patients, by the Health Resources and Services Administration's Provider Relief Fund. No one can be denied a vaccine if they are unable to pay a vaccine administration fee.

Updated March 16, 2021

34. Q: What does it mean to be "fully vaccinated" against COVID-19?

A: People are considered fully vaccinated:

- Two weeks after their second dose in a 2-dose series, like the Pfizer or Moderna vaccines, or
- Two weeks after a single-dose vaccine, like Johnson & Johnson's Janssen vaccine.

If it has been less than 2 weeks since your shot, or if you still need to get your second dose, you are NOT fully protected. Keep taking all [prevention steps](#) until you are fully vaccinated.

35. Q: What changes after someone is fully vaccinated?

A: *Outside the workplace*, if you've been fully vaccinated:

- You can gather indoors at home with fully vaccinated people without wearing a mask.
- You can gather indoors with unvaccinated people from one other household (for example, visiting with relatives who all live together) without masks, unless any of those people or anyone they live with has an [increased risk for severe illness from COVID-19](#).

36. Q: What has NOT changed after someone is fully vaccinated?

A: Oregon OSHA guidance is unchanged, so masking and distancing are still required as before while in the workplace. For now, even if you've been fully vaccinated:

- You should still take steps to [protect yourself and others](#) in many situations, like wearing a mask, staying at least six feet apart from others, and avoiding crowds and poorly ventilated spaces. Take these precautions whenever you are:
 - In public.
 - While at work, in a City facility or vehicle.
 - Gathering with unvaccinated people from more than one other household.

- Visiting with an unvaccinated person who is at [increased risk of severe illness or death from COVID-19](#) or who lives with a person at increased risk.

- You should still avoid medium or large-sized gatherings.

- You should still delay domestic and international travel. If you do travel, you'll still need to follow CDC [requirements and recommendations](#).

- You should still watch out for [symptoms of COVID-19](#), especially if you've been around someone who is sick. If you have symptoms of COVID-19, you should get tested and stay home and away from others.

- You will still need to follow guidance at your workplace.

Updated March 23, 2021

37. Q: If I have an underlying medical condition, can I get the vaccine?

A: People with underlying medical conditions can receive a COVID-19 vaccine as long as they have not had [an immediate or severe allergic reaction](#) to a COVID-19 vaccine or to any of the ingredients in the vaccine.

38. Q: Why is it important to get vaccinated if I have an underlying medical condition?

A: Vaccination is an important consideration for adults of any age with [certain underlying medical conditions](#) because they are at increased risk for severe illness from COVID-19.

39. Q: Which underlying conditions put people at increased risk?

A: Adults of any age with certain underlying medical conditions are at increased risk for severe illness from the virus that causes COVID-19. Severe illness from COVID-19 is defined as hospitalization, admission to the ICU, intubation or mechanical ventilation, or death.

Adults of any age with the following conditions **are at increased risk** of severe illness from the virus that causes COVID-19:

- [Cancer](#)
- [Chronic kidney disease](#)
- [COPD \(chronic obstructive pulmonary disease\)](#)
- [Down Syndrome](#)
- [Heart conditions, such as heart failure, coronary artery disease, or cardiomyopathies](#)
- [Immunocompromised state \(weakened immune system\) from solid organ transplant](#)

- [Obesity \(body mass index \[BMI\] of 30 kg/m² or higher but < 40 kg/m²\)](#)
- [Severe Obesity \(BMI ≥ 40 kg/m²\)](#)
- [Pregnancy](#)
- [Sickle cell disease](#)
- [Smoking](#)
- [Type 2 diabetes mellitus](#)

COVID-19 is a new disease. Currently there are limited data and information about the impact of many underlying medical conditions on the risk for severe illness from COVID-19. Based on what we know at this time, adults of any age with the following conditions **might be at an increased risk** for severe illness from the virus that causes COVID-19:

- [Asthma \(moderate-to-severe\)](#)
- [Cerebrovascular disease \(affects blood vessels and blood supply to the brain\)](#)
- [Cystic fibrosis](#)
- [Hypertension or high blood pressure](#)
- [Immunocompromised state \(weakened immune system\) from blood or bone marrow transplant, immune deficiencies, HIV, use of corticosteroids, or use of other immune weakening medicines](#)
- [Neurologic conditions, such as dementia](#)
- [Liver disease](#)
- [Overweight \(BMI > 25 kg/m², but < 30 kg/m²\)](#)
- [Pulmonary fibrosis \(having damaged or scarred lung tissues\)](#)
- [Thalassemia \(a type of blood disorder\)](#)
- [Type 1 diabetes mellitus](#)

Updated March 30, 2021

40. Q: How do I find a vaccine?

A: Aside from checking with your healthcare provider and pharmacy, there are two places to check for vaccines. <https://vaccinefinder.org/search/> is a nation-wide search engine that works no matter where you are. Oregon has a vaccine finder tool as well:

<https://getvaccinated.oregon.gov/#/>.

41. Q: Can I choose which vaccine I get?

A: The CDC suggests you get any COVID-19 vaccine that is available when you are eligible. Do not wait for a specific brand. All currently authorized and recommended COVID-19 vaccines are [safe](#) and [effective](#), and CDC does not recommend one vaccine over another.

Learn more about [your COVID-19 vaccination](#), including how to find a vaccination location, what to expect at your appointment, and more.

42. Q: Will the City's vaccine clinic provide shots for anyone that is eligible?

A: The City is not able to vaccinate employees who are outside of our target population, which is determined by the Oregon Health Authority. We anticipate offering vaccine to frontline workers (those unable to telework) first. If you qualify for the vaccine sooner for another reason such as your age or a health condition, you can use the [GetVaccinated.org](#) tool and find other options.

43. Q: I'm a frontline worker with the City. How do I add my name to the list?

A: If you meet the frontline worker definition, have not yet received a vaccine, and would like to have the option to participate in a City vaccine clinic, **please enter your information into this survey by the end of the day on March 31:**

<https://app.smartsheet.com/b/form/60c8172e85714bdd865566bd4b330794>.

Updated April 6, 2021

44. Q: How do I know if my symptoms are related to the vaccine or if I might have COVID-19?

A: Mild vaccine side effects are common, expected, and mean your body is building a protective immune response against the virus that causes COVID-19. Hurray! [Vaccine side effects](#) include a sore arm, mild redness or swelling at the injection site, fever, fatigue, and head or body aches. Vaccine reactions usually start 12-24 hours after receiving the shot, but some may start up to 48 hours later. If your symptoms begin later than 48 hours after the shot, or they are more typical of COVID-19 including a cough, shortness of breath, or loss of smell or taste, then it could be COVID-19 and you should discuss your symptoms with a healthcare provider and consider getting tested. The CDC [V-Safe](#) health checker is also available to guide you, help you keep track of, and report your side effects through a smart phone.

45. Q: Could I get COVID-19 from the vaccine?

A: No. It is impossible to get COVID-19 from any of the vaccines because of how they are made. They do not contain any part of a real coronavirus.

46. Q: How common are side effects?

A: In clinical trials, local (arm pain) and systemic (fatigue, headache) vaccine side effects were noticeable in around 80% of those receiving the vaccine, especially after the second shot. When it comes to severe side effects like anaphylaxis, only between 2-5 per million people (0.0005%) or less had a serious reaction. These serious side effects come within the first 15-30 minutes after vaccination which is why there is an observation period after receiving vaccine with trained medical staff ready to help if that happens.

47. Q: What if I don't have any side effects? Does that mean the vaccine didn't work?

A: The vaccine works even without side effects. We know that around 20% of those vaccinated have no side effects, but the vaccine works 95% of the time which means it works regardless of the severity or presence of symptoms.

48. Q: Can I still work if I have vaccine side effects?

A: Many people have no reaction or only a sore arm after vaccination and work the next day. If you have a fever, fatigue, or other symptoms that would make work difficult, you need to rest at home until the fever is gone, your symptoms are improving, and you feel ready to work. As long as the symptoms start within 48 hours of the shot, there is no need to quarantine, isolate, or have concern for COVID-19. Most symptoms are gone within 1-3 days, so if they last longer than that, or if you develop increased swelling or redness at the injection site, contact your healthcare provider for an evaluation and treatment if needed before coming back to work.

The intent of this information is to help you make an informed decision about vaccination. If you have questions and/or concerns, please contact Joel.Michels@portlandoregon.gov.