



Date: 1<sup>st</sup> April 2021  
Document Code: 59-01  
Version: 01

## Guidelines

# COVID-19 Vaccination CanSino Bio Vaccine Guidelines

### Objective

To provide guidelines for the CanSino Bio vaccine storage, handling, administration and safe disposal along with recommendations for vaccine recipients.

### Rationale

Vaccines are important part of strategies to curtail the devastating Covid-19 pandemic. CanSino vaccine needs special handling to maintain its effectiveness. Safe transportation, storage, administration and disposal of vaccine waste must be ensured at all vaccination facilities.

### Instructions

#### Vaccine Storage

- Storage and transportation in **refrigerated (2-8°C) condition**
- **Do not freeze the vaccine** in any circumstance
- **Protect the vaccine from direct exposure to sunlight**

#### Who should receive the Vaccine

- Adults aged 18 years and above.

#### Who should NOT receive Vaccine

- Individuals having **fever at the time of coming for vaccination** (Can be rescheduled after the illness is settled)
- Patients with **active COVID-19**
  - Those with mild COVID-19 can receive the vaccine once the isolation period complete.
  - Those with severe COVID-19 can receive the vaccine once they become stable



- Individuals on **short-term immunosuppressive medication** should wait for 28 day after the medication ends.
- Those **chronically immunosuppressed** may receive the vaccine, though efficacy may be lower
  - Those post-transplantation may receive the vaccine 3 months after transplantation
  - Those post chemotherapy may receive the vaccine 28 days after chemotherapy
- Those having severe and/or uncontrolled cardiovascular disease, respiratory disease, gastrointestinal disease, liver disease, renal disease, endocrine disorder and neurological illness.
- This vaccine has not been tested in **lactating & pregnant women** as yet and safety data is not available.

## **Vaccine Administration**

- Route of Administration: **Intra-muscular**
- Site of Administration: **Lateral Deltoid Muscle (Upper Arm), Non-dominant side**
- Dose: **0.5ml/vial**
- Presentation: **Single dose vial**
- Regimen: **Single shot**

## **Steps of Administration**

1. Wear mask and observe COVID-19 SOPs
2. **Greet** the client
3. Complete **verification** process in the NIMS
4. Ensure **consent** by stating “that you are receiving this COVID-19 vaccine because you have registered yourself into the system”
5. Expose site (**deltoid** of non-dominant arm) for administration
6. **Explain the procedure and inform** that some pain on giving injection, discomfort at the site of injection or fever after the injection may happen
7. Take vaccine vial out of the vaccine carrier
8. Open the vial by removing plastic cover/cap
9. Take out **22G-25G 0.5ml** syringe and remove needle cap
10. Discard the cap in safety box
11. Insert the syringe needle through the top rubber pad of vaccine vial
12. Draw **0.5ml** of the vaccine from the vial
13. Inject intra muscularly at the site of injection at an angle of 90° (right angle)
14. Dispose the syringe in the safety box
15. Complete entry in the **NIMS**
16. Send the client to observation area for **30 minutes**
17. After 30 minutes if no acute adverse event is experienced by the client, explain the next steps on follow up visit for second dose and to **report to health facility /1166 helpline** if any adverse event is experienced.



## **Vaccine Waste Management**

- Used vials and syringes must be **collected safely** by the vaccinator
- **Syringes must be disposed through environment friendly incinerators** where available
- The **vials and syringes must be disposed together in burial/burning pits**
- Pit must be closed with 50cm (half ft.) **soil layer** before the pit is completely filled
- The **vaccinator under supervision of the health facility in-charge** of the concerned health facility will ensure proper disposal of COVID-19 vaccination waste
- **Daily waste generation and disposal record** must be maintained by the vaccinator

### **During vaccination, Do NOT**

- Touch the rubber pad of vaccine vial (causes contamination and can result in an AEFI)
- Recap needle of syringes (to prevent needle stick injuries)

Please refer to “Annexure A” checklist for covid-19 vaccine administration

*Note: The above recommendations are being regularly reviewed by the Ministry of National Health Services, Regulations & Coordination and will be updated based on the international & national recommendations and best practices.*

*The Ministry acknowledges the contribution of Dr.Ifra Javaid, EPI Team and HSA/ HPSIU/ NIH team to compile these guidelines.*

### **For more information, please contact:**

HSA/ HPSIU/ NIH, PM National Health Complex, Islamabad

**<http://covid.gov.pk/>**

<http://nhsrcofficial.gov.pk/>

<https://www.facebook.com/NHSRCOfficial>

<http://www.hsa.edu.pk/>

<https://twitter.com/nhsrcofficial>

<https://www.nih.org.pk/>

<https://www.youtube.com/NHSRC-PK>



Annex-A

<b>CHECKLIST FOR COVID-19 VACCINE ADMINISTRATION</b>	
<b>Client Name:</b>	<b>Age:</b>
<b>ID Card:</b>	<b>Gender:</b>
<b>Address:</b>	
<b>Staff name/Signatures</b>	
1. Greet the Client	<input type="checkbox"/>
2. Make sure that you and client are wearing face mask	<input type="checkbox"/>
3. Complete the 2-step verification of client	<input type="checkbox"/>
4. Ensure consent by stating that "you are receiving this COVID-19 vaccine because you registered yourself in the system"	<input type="checkbox"/>
5. Prepare dose	<input type="checkbox"/>
6. Explain the procedure and inform that some pain on giving injection, and discomfort or fever after the injection can occur	<input type="checkbox"/>
7. Sterilize injection site with alcohol swab	<input type="checkbox"/>
8. Administer injection	<input type="checkbox"/>
9. Properly dispose the injection waste	<input type="checkbox"/>
10. Send the client to observation section for 30 minutes	<input type="checkbox"/>
11. After 30 minutes, and with no acute AEFI, handover the letter of next appointment to the client	<input type="checkbox"/>
12. Explain the next steps	<input type="checkbox"/>
13. Respond to Qs if any, as the last step.	<input type="checkbox"/>