



# COVID-19 vaccination

#### Summary of recent changes (last updated 24 May 2021):

- Storage conditions for Comirnaty<sup>™</sup> updated (page 3).
- Contraindications and precautions clarified and reordered in line with EVDS (page 5).
- Additional information added to Comirnaty<sup>™</sup> draw up: tips to draw 6 doses from a vial.

Version 2

Guidance for the Janssen®(JNJ) Ad26.COV2.S and Comirnaty®(Pfizer-BioNTech) BNT162b2 COVID-19 vaccines.

### Practical Approach to Care Kit: Vaccine

Guidance for vaccinators on how to store, prepare, draw up and administer COVID-19 vaccines Updated May 2021 · Western Cape Edition

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**Orange-highlighted** medications may be prescribed by a doctor or an authorised prescriber (clinical nurse practitioner or professional nurse) in accordance with his/her scope of practice within a specified field.

**Blue-highlighted** medications may be prescribed by a doctor or clinical nurse practitioner who is an authorised prescriber.

Green-highlighted medications may be prescribed by a doctor only

Arrows refer you to another page in the guide:

• The return arrow () guides you to a new page but suggests that you return and continue on the original page.

• The direct arrow ( $\rightarrow$ ) guides you to continue on another page.



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The response to COVID-19 is rapidly changing as new evidence becomes available and health systems adapt. The KTU welcomes feedback on this guidance as it continues to be updated for future versions. Please send feedback to www.knowledgetranslation.co.za/contact/feedback

## Summary table of Janssen® and Comirnaty® vaccines

	Janssen® (J&J) vaccine (Ad26.COV2.S)	BNT162b2)	Record 'new' expiry date and time every time     Note: If amount of vaccine left in vial cannot				
Vial	<ul> <li>Blue topped multi-dose vial</li> <li>Each vial contains 2.5mL: 5 doses of 0.5mL.</li> <li>Liquid suspension for injection</li> <li>Colourless to slightly yellow, clear/shiny suspension</li> </ul>	<ul> <li>Purple topped multi-dose vial</li> <li>Requires dilution (preservative-free sodium ch</li> <li>Before dilution: 0.45mL frozen liquid drug prov</li> <li>After dilution: each vial contains 2.25mL: at least solution in the solution of the solution</li></ul>	vaccine moved from freezer to refrigerator to room temperature and after dilution/first puncture.	provide a full dose, discard vial and contents into pharmaceutical waste. Do not combine vaccine from multiple			
Each dose	0.5mL via intramuscular injection (deltoid)	0.3mL via intramuscular injection (deltoid)					
Number of doses	One dose per client	Two doses per client – at least 21 days apart. Note: this interval may change to 42 days - circular from National pending.					
Approved for:	Clients $\geq$ 18 years old	Clients $\geq$ 16 years old					
Freezer storage	Freezer (-25°C to -15°C ): up to 2 years	Ultra-low freezer (-75°C to -65 °C): for up to 6 months Freezer (-25°C to -15°C): for up to 14 days Freezer (-25°C to -15°C): for up to 14 days					
Refrigerator storage (2°C to 8°C)	For up to 3 months.	For up to 31 days 45 days in total.					
Thawing	<ul> <li>Preferably, thaw overnight in refrigerator (2-8°C) for 12 hours.</li> <li>Keep in original carton.</li> <li>Protect from sunlight.</li> </ul>	<ul> <li>If thawing in original tray of 195 packaged vials, thaw at 2-8°C for 3 hours (preferred) or</li> <li>If thawing an individual frozen vial, thaw for 30 minutes at room temperature (up to 30°C) for immediate use.</li> <li>Protect from sunlight.</li> </ul>					
Acclimatisation	15-30 minutes after removing from refrigerator.	15-30 minutes after removing from refrigerator.					
Preparation	No dilution needed.	Dilution needed. Use 1.8mL preservative-free sodium chloride 9mg/mL (0,9 %) solution for injection as diluent. Store diluent in vaccine fridge with thawed vaccines.					
Expiry times once prepared	<ul> <li>After first puncture of vial, vaccine can be held:</li> <li>In refrigerator (2-8°C) for up to 6 hours.</li> <li>At room temperature (up to 25°C) for up to 3 hours.</li> </ul>	After dilution: • Keep at room temperature (up to 25°C) for up • Do not return to refrigerator.	to 6 hours.				
Drawing up equipment	<ul> <li>For each dose:</li> <li>1mL or 2mL syringe</li> <li>1x needle - use light blue needle 23G x 1" (25mm). If client is overweight, then use a longer needle: <ul> <li>Black 22G x 1¼" (32mm) or blue 23G x 1½" (38mm)</li> </ul> </li> <li>Alcohol swab (Webcol<sup>™</sup>)</li> <li>Cotton wool</li> <li>Water for cleaning</li> <li>Adhesive surgical tape (Micropore<sup>™</sup>)</li> <li>Alcohol hand sanitiser</li> <li>Vaccination card</li> </ul>	For dilution:         • 2mL syringe and green 21G x1½" (40mm) needle         • Preservative-free sodium chloride 0.9%         For each dose:         • 0.3mL, 0.5mL or 1mL syringe         • 1x needle - use light blue needle 23G x 1" (25mm). If client is overweight, then use a longer needle:         • Black 22G x 1¼" (32mm) or blue 23G x 1½" (38mm).         • Alcohol swab (Webcol™)         • Cotton wool         • Water for cleaning         • Adhesive surgical tape (Micropore™)         • Alcohol hand sanitiser         • Vaccination card					
Security	Keep vaccines in an access-controlled room. Lock refrigerator ar	nd rooms where the vaccines are stored. Monitor a	and take stock daily.		Updated -		
					extended stor		

### The vaccine client pathway



### **Pre-vaccination health check**

The only absolute contraindication to vaccination is a history of immediate allergic reaction after a previous dose of COVID-19 vaccine or known allergy to an ingredient of vaccine. This page guides you through precautions. 24 May 2021

Many clients are

anxious at this stage:

be kind and reassuring.

Updated - steps reordered.

Wear appropriate PPE: surgical mask. Clean hands between each client. Gloves not compulsory for vaccinating. If client has disclosed a positive HIV status, wear gloves to vaccinate.
Client will be screened for COVID-19 symptoms upon entering the facility.

#### STEP 1. Work through steps on the Electronic Vaccine Data System (EVDS)

Confirm identity. Then complete and record informed consent process and questions with the client on EVDS. Steps 2-6 provide additional guidance/advice according to client's responses:

#### STEP 2. Ask about previous COVID-19 infection and other recent vaccines

- Ask client if s/he received a vaccine in the past 2 weeks. If yes, delay vaccination: advise client to return at least 2 weeks after last vaccination (Comirnaty® vaccine doses need to be at least 21 days apart).
- Ask client if s/he tested positive for COVID-19 infection in the past 3 months (90 days). If yes, delay vaccination: advise client to return at least 3 months after testing positive or onset of symptoms.

#### STEP 3. Ask if client has a history of allergy to any food, substance, medicines or vaccines. If none, move to next step.

If history of allergy (trouble breathing, hives, facial or tongue swelling or low pressure): assess risk of allergy further on  $\mathfrak{I}$ 6.

#### STEP 4. Ask about any blood clotting disorders or anticoagulant medications. If none, move to next step.

• If client asks about blood clotting risks: reassure client that the risk of VITT<sup>1</sup> is extremely low. This is because the mechanism for VITT is immune-mediated and is not the same as the mechanism of common causes of blood clots, like deep vein thromboses (DVT) and/or pulmonary embolisms (PE).



#### STEP 5. Ask if client has a chronic medical condition requiring ongoing specialist care. If none, move to next step.

- Reassure client that having a chronic medical condition is not a contraindication to vaccination.
- If immunocompromise or autoimmune disease reassure that s/he can still be vaccinated. Emphasise ongoing prevention measures as data on adequate immune response is limited.
- If on immunosuppressive therapy, check if client has confirmed timing of vaccination with his/her specialist. If not, advise to confirm this before continuing vaccination.

#### STEP 6. If woman of child bearing age, ask about pregnancy or breastfeeding. If none, move to next step.

- If breastfeeding: advise that vaccination is a personal choice. Explain that as non-live vaccines pose no risk for breastfeeding mother or their infants, COVID-19 vaccines are also not thought to be a risk. If client understands and consents, continue with vaccination process.
- If pregnant: advise client that data is still limited and vaccination is a personal choice. Explain that initial studies have found no increased risk of pregnancy complications after the vaccine. Experts advise that pregnant people should be vaccinated due to the high risk of complications from COVID-19. If client understands and consents, continue with vaccination process.

#### Proceed to vaccination: if giving Comirnaty<sup>®</sup> vaccine $\rightarrow$ 7. If giving Janssen<sup>®</sup> vaccine $\rightarrow$ 11.

<sup>1</sup>This includes Vaccine-induced Immune Thrombotic Thrombocytopaenia (VITT) and Heparin-Induced Thrombocytopenia and Thrombosis (HITT). This is where an immune response, triggered by this type of vaccine in VITT, or heparin in HITT, causes blood clots (in brain, abdomen or legs), along with low platelet levels (blood cells that help your body stop bleeding). Only very few people who have received COVID vaccines have had VITT, mainly females under the age of 50 years. Symptoms started 1-2 weeks after vaccination and included severe persistent headaches, neurological symptoms, abdominal pain, shortness of breath, chest pain and leg pain/swelling. The chance of VITT is extremely low. Educate the client about it, especially if female < 50 years but emphasise that because of the rarity of these events and the potential severity of COVID-19, the overall benefits of the vaccines far outweigh this risk.

### **Allergy risk assessment**



Janssen® (J&J) vaccine (Ad26.COV2.S)	Comirnaty® (Pfizer-BioNTech) vaccine (BNT162b2)
<ul> <li>Polysorbate 80</li> <li>Sodium chloride</li> <li>Citric acid monohydrate buffer</li> <li>2 hydroxypropyl-β-cyclodextrin (HBCD)</li> <li>Ethanol (absolute)</li> <li>Sodium hydroxide</li> <li>Water for injection</li> <li>Recombinant, replication-incompetent Ad26 vector, encoding a stabilized variant of the SARS-CoV-2 Spike (S) protein</li> </ul>	<ul> <li>2[(polyethylene glycol (PEG))-2000]-N,N-ditetradecylacetamide</li> <li>1,2-distearoyl-sn-glycero-3-phosphocholine</li> <li>Cholesterol</li> <li>(4-hydroxybutyl)azanediyl)bis(hexane-6,1-diyl)bis(2-hexyldecanoate)</li> <li>Potassium chloride</li> <li>Monobasic potassium phosphate</li> <li>Sodium chloride</li> <li>Dibasic sodium phosphate dehydrate</li> <li>Sucrose</li> </ul>
	Nucleoside-modified mRNA encoding the viral spike (S) glycoprotein of SARS-CoV-2

Note: Neither vaccine contains eggs, gelatin, latex, or preservatives.





- Do not change needles. Use the same needle that you have drawn up the dose to administer vaccine.
- Never leave a needle in the vaccine vial between drawing up doses.



### How to administer the Comirnaty® vaccine

At the beginning of each day, check the emergency tray/box is fully equipped and discuss team members roles/responsibilities and processes in the event of emergency.



#### How to administer the Comirnaty® vaccine - continued



- Record in EVDS/Vaccination Site data sheet.
- Ask client to remain for observation for at least 15 minutes after vaccination. If client known with severe allergies, observe for longer (30 minutes).

### How to draw up Janssen® vaccine



- Wipe rubber stopper with an alcohol swab for *each* dose drawn up.
- Allow to dry before inserting needle.

#### How to draw up the Janssen® vaccine - continued

#### 6 Draw up

#### Choose appropriate needle length

- Use a light blue 23G x 1" (25mm) needle unless client is obese. If obese, use instead one of the following: - Black 22G x 1¼" (32mm) or blue 23G x 1½" (38mm).
- Attach to vaccine syringe (0.5mL or 1mL syringe). Ensure needle attached securely.
- Carefully uncap.



#### Withdraw vaccine and remove air bubbles

- Hold vial steady on flat surface and insert needle into rubber stopper. Then pick up vial and syringe and turn upside down to withdraw.
- Withdraw 0.5mL of Janssen® COVID-19 vaccine.
- Adjust plunger to remove air bubbles whilst needle is still in the vial to avoid loss of vaccine. Try to avoid tapping syringe or vial.
- When drawing up 5th dose: insert needle into rubber stopper at an angle to allow access to vaccine in corner of vial.
- If amount of vaccine remaining in vial cannot provide a full dose of 0.5mL, mark and discard vial and any excess volume.



If repeatedly unable to draw up

5 doses: ask a colleague to check

Adjust plunger to remove air bubbles whilst needle is in the vial. Try to avoid tapping.

#### Do not change needles

- Do not change needles. Use the same needle that you have drawn up the dose to administer vaccine.
- Never leave a needle in the vaccine vial between drawing up doses.



#### 9 Record time of first puncture and new expiry time

- Record the date and time the vial should be discarded on the vial label. After first puncture, vaccine (vial or filled syringe) can be held:
- In refrigerator (2-8°C) for up to 6 hours.
- At room temperature (up to 25°C) for up to 3 hours.
- Discard if vaccine is not used within this time.
- Preferably, use immediately after first puncture.



### How to administer the Janssen® vaccine

At the beginning of each day, check the emergency tray/box is fully equipped and discuss team members roles/responsibilities and processes in the event of emergency.



#### How to administer the Janssen® vaccine - continued



# Manage injection difficulties



#### Elderly and low BMI

If low muscle mass in elderly client or client with low BMI, it is acceptable to bunch up the deltoid muscle before administering IM injection.

#### Needle hits bone

• If needle hits bone during injection, pull needle back slightly and then inject.

#### Needle touches nerve

• If client complains of sudden burning, shooting pain during injection, it is likely needle too close to a nerve: remove needle and try again being careful to locate correct injection site using landmarks.

#### Vaccine leaks from injection site

- If vaccine leaks from injection site
- If vaccinator thinks most of dose leaked out of injection site, then revaccinate at same visit using a different injection site. Use same dose, as initial dose considered an invalid dose.
- If vaccinator thinks most of dose remained in injection site, then that dose can be considered a valid dose



Avoid inserting needle too far, causing a dimple in the skin, as more likely to hit bone.

### **Disposal of empty used vaccine vials**

Once all the full doses have been drawn up, dispose of the vaccine vial appropriately:

- Using a pen or permanent marker, deface vial by scratching over the label taking care not to cover the batch number and expiry date.
- At the end of the day, discard vials:
- If vial empty, discard into yellow sharps container.
- If residual vaccine in vial, discard into pharmaceutical waste.
- Avoid filling sharps container more than three-quarters of its capacity, or up to red line marked on container. Clearly mark box with "COVID-19".



# **Observation post vaccination**

- Observe client for at least 15 minutes after vaccination. If client known with severe allergies: observe for longer (30 minutes).
- Check for signs or symptoms that may indicate an adverse reaction:



# **Collapse following vaccination**

Collapse

<ul> <li>Call for help.</li> <li>Lie client on his/her back and raise legs.</li> <li>Check response: if unresponsive, check circulation, airway and breathing.</li> <li>If no pulse/not breathing, start CPR つ PACK Adult.</li> <li>If breathing and pulse present: assess timing of collapse and duration of loss of consciousness and check breathing, p</li> </ul>	oulse and BP:
<ul> <li>Collapse occurred suddenly, at the time of injection (before, during or immediately after).</li> <li>Loss of consciousness usually lasts 20 seconds to 1 minute and is relieved by lying client down and raising legs.</li> <li>BP: briefly low but rapidly normal again.</li> <li>Pulse may be slow.</li> <li>Breathing usually normal but may be rapid, deep (hyperventilation).</li> <li>No other signs or symptoms present.</li> </ul>	<ul> <li>Collapse occurred 5-10 minutes after the injection (could occur up to 1 hour after).</li> <li>Loss of consciousness is not brief and not relieved by lying client down and raising legs.</li> <li>BP &lt; 90/60 and remains low</li> <li>Pulse &gt; 120</li> <li>Breathing: may have wheeze, stridor, cough Other signs and sumptoms (like swalling or each) present.</li> </ul>
Fainting episode likely	Other signs and symptoms (like swelling or rash) present.
Management: • If not already done, lie client flat and raise legs. • Loosen any tight clothing: undo buttons around the neck, loosen tie/or tight belt. • Apply cool cloth to face/neck. • Calmly reassure client – explain what happened and assure them that they will be alright. • Check for any other injuries they may have sustained falling. • Stay with the client until they are fully recovered. Client should remain lying with legs up until feeling better.	Treat as <b>anaphylaxis</b> →18.
<b>Refer if:</b> <ul> <li>Head injury.</li> <li>Known with a heart condition or other serious illness.</li> <li>Client has unusual symptoms, such as chest pain, shortness of breath, confusion, blurred vision, or difficulty talking.</li> </ul>	
Report: • Complete NDoH Case Reporting Form (CRF) for Adverse Events Following Immunisation (AEFI) and report to sub-district or district office and provincial EPI manager within 24 hours ⊃23. • Replace all medications/equipment used and seal emergency kit.	

#### 24 May 2021

### **Treat suspected anaphylaxis**

#### Manage and refer urgently:

Priority management	<ul> <li>Lie client down and raise legs.</li> <li>Call for help: ask colleague to inform supervisor and doctor, if available. Ask colleague to call emergency medical services and report suspected anaphylaxis.</li> <li>Give immediately adrenaline 0.5mL (1:1000 solution) IM into mid outer thigh. Repeat every 5 minutes if needed. Adrenaline is the vital part of anaphylaxis management.</li> </ul>
	<ul> <li>Insert IV line and check BP:</li> <li>If BP &lt; 90/60 despite adrenaline: give sodium chloride 0.9% 1-2L IV rapidly.</li> <li>Then, if BP still &lt; 90/60, give further sodium chloride 0.9% 500mL IV rapidly, repeat until systolic BP &gt; 90. Stop if breathing worsens.</li> <li>Give oxygen, if available, 8-10L/min via facemask or up to 100% oxygen, as needed.</li> </ul>
	<ul> <li>Adjunctive treatment:</li> <li>If persistent wheeze or difficulty breathing despite adrenaline, also give salbutamol 2-3 puffs via spacer and face mask, if available. Repeat, as needed. Note: if nebuliser available and client not responding to inhaler: nebulise salbutamol 0.5% 0.5-1mL (2.5-5mg) and ipratropium bromide 2mL (0.5mg) in up to 4mL sodium chloride 0.9%.</li> <li>If severe symptoms or if known asthma and wheeze persisting after other anaphylaxis symptoms/signs have resolved, give promethazine 25-50mg IM or slow IV over 10-15 minutes and hydrocortisone 200mg IM/slow IV.</li> </ul>
	<ul> <li>Refer all cases of suspected anaphylaxis.</li> <li>If delay in referral: take blood within 2 hours of symptom onset, if possible, to confirm vaccine-related anaphylaxis (tryptase sampling):</li> <li>Collect blood in 2x yellow topped tubes (SST) and send with client on referral. If delay &gt; 4 hours, store on ice.</li> </ul>



#### Report:

- Complete NDoH Case Reporting Form (CRF) for Adverse Events of Special Interest (AESI) and report to sub-district or district office and provincial EPI manager within 24 hours 5 21.
- Replace all medications/equipment used and seal emergency kit.

May 2021

### Just had the COVID-19 vaccine? Well done and thank you!

Mild side effects are common in the first 3 days. Here's what to look out for.



- Side effects can start around 6 hours after the vaccine and usually resolve in 2-3 days. If needed, treat pain and fever with paracetamol.
- Side effects may be more noticeable if you are young, had COVID-19 before or after the second dose of a 2-dose vaccine course.

These side effects show your body is building an immune response. The technical term for this is 'reactogenicity'. If you do not get side effects it does not mean that your body is not building an immune response.

- If your side effects are severe or last longer than 3 days, contact your healthcare provider or the Western Cape call centre.
- If any of the following symptoms develop within a month of vaccination, go to your nearest emergency centre:
- New-onset severe headache especially if with blurred vision, vomiting, weakness on one side of the body or difficulty speaking.
- Severe abdominal pain that does not go away.
- A rash of tiny red spots around the site of injection.
- A painful or cold leg.
- Chest pain or shortness of breath.

#### Extremely rare side-effects affect 1-7 people per million vaccinated

They include a severe allergic reaction called anaphylaxis (within minutes to hours) and a rare form of blood clots (between 4 days and 3 weeks).



### Keep your vaccine card safe.

- This is your proof of vaccination.
- Keep your follow-up appointment if you have one.

#### You might still get COVID-19. Here's why.

- You cannot catch COVID-19 from the vaccine as there is no live coronavirus in it.
- It is still possible to get COVID-19 as no vaccine is 100% effective.
- You might have caught COVID-19 before being vaccinated (it can take up to 2 weeks before COVID-19 symptoms start).



May 2021

Some vaccines are given in two doses (for

example Pfizer-BioNTech (Comirnaty<sup>™</sup>)

COVID vaccine). The second dose is

important to boost your body's immune

response to the vaccine and help its

protective effect last longer.

• You might catch it within the first 2 weeks after being vaccinated while your immune system is being trained up to fight COVID-19.

### After vaccination, don't confuse vaccine side effects with COVID-19 symptoms!

- If your fever lasts more than 2 days or you develop a continuous cough, sore throat, or changes in your ability to taste or smell after your vaccination, you may have COVID-19.
- Isolate yourself and arrange to get a COVID test. Contact your healthcare provider or the Western Cape call centre.

Even if you do get COVID-19, you are very unlikely to get severely ill or die from COVID-19.

#### Western Cape call centre: 0860 142 142



### We still don't know if the vaccine will stop the spread. Don't forget COVID-19 prevention!

• Wear a mask in public.

Western Cape

Government

- Keep apart from others outside your home as much as possible.
- Avoid crowds and confined spaces have small gatherings outside.
- Wash or sanitise your hands regularly.
- As a healthcare worker, continue to wear standard PPE at work.



We are not safe until we are all safe.



### **Symptoms post vaccination**

Note: no routine follow up visit is required. Use this page to manage clients who actively seek care. Report adverse events as an Adverse Event Following Immunisation (AEFI) 5 23.



<sup>1</sup>Cool the client down: give paracetamol 1g orally. Remove clothing. Use fan and water spray to cool client. Apply ice-packs to axillae, groin and neck. Stop once temperature < 39°C.

### How to complete an AESI form page 1

• AESI is an 'Adverse Event of Special Interest' and refers to certain pre-chosen medically important events that may have potentially been caused by the vaccine product.

• The list of these events is on page 1, Section B of the form, and includes anaphylaxis, thromboembolism, convulsions, Guillain barre syndrome.

EPID Number: S O A -	District - Year - Case no is indicated 'if applicable'. Provide	VERSE EVENTS OF SPECIAL INTEREST (AESI)           Date received         Level         Signature           District         District         District           Province         National EPI         National SAHPB A           /for Office use only         National SAHPB A         District	Fill in vaccine recipient's details in this section.	
	SECTION A: IDENTIFYING INFOR			
Vaccine recipient name & surname:		AESI Reporter's name & surname:		Adverse events can
If child: Caregiver's name & surname:		Designation/Position:		also be reported
Vaccine recipient's residential address:				electronically:
		Institution & Department:		The Med Safety App is
Mobile no:Telepl				a mobile app for use by
Sex: M F Other If applicable	l <u>e</u> :  Pregnant  Breastfeeding	II	Fill in your details in this section.	both healthcare workers
Date of birth: $DD/MM/YYYY$		Telephone no:		and the public
OR Age at onset: Years Mon	nths Days	Mobile no:		Available for Android
<u>OR</u> Age group: □ 0 - <1 year □ 1	- 5 years 🗌 >5 – 18 years	E-mail:		and IOS devices
>18 – 60 years		Date patient notified event to health system: DD/MM/YYYY		Uses the same case
If applicable: Gestation: Full-term				report form as paper-
SECTION I	B: ADVERSE EVENT(S)OF SPECIA	AL INTEREST (AESI)		based system
Date & time AEFI started: DD/MM/	YYYY Hr Min		Record the date and time of event here.	
Adverse event (s): (Tick	(✓ ) all boxes that apply)			
Acute aseptic arthritis Acute cardiovascular injury Acute disseminated encephalomyelitis	Anaphylaxis Anosmia, ageusia Chilblain-like lesions	Meningoencephalitis Multisystem inflammatory syndrome in children Giarlo gene ontereouwnenwikits	·	_
Acute liver injury     Acute kidney injury     Acute respiratory distress syndrome     (Microangiopathy, Heart failure, Stress     cardiomyopathy, Coronary artery disease     Arrhythmia, Myocarditis)	tress Erythema multiforme		Tick type of adverse event (e.g. Anaphylaxis)	
Describe vaccine recipient's AESI signs an	d symptoms. Use additional sheet	t if needed		
			Describe what happened – record the signs and symptoms here.	
L				
Past medical history (including history of relevant information (e.g. other cases). U 	•	r allergies), concomitant medication and any oth	Record the client's past medical history here. Inclu <ul> <li>Similar previous reactions</li> <li>Medications</li> </ul>	de:
COVID-19: AESI CRF Page 1/2 19.20210128	Case Ru	Report Form_Adverse events of SPECIAL INTEREST_COVID-		

# How to complete an AESI form page 2

atient name &	surname:				EPID Nu	mber:			
	SECTI	ON C: P	RELIMINAR	Y ASSESSN	IENT AND ACTION	AT THE TIME OF	REPORT		
Did this AESI ca (Specify):	use? 🗌 Deat	th 🗌 H	lospitalisati	on 🗌 Disa	bility 🗌 Life thre	tening 🗌 Other	important	medical	events
Outcome at the	e time of repo	rting:	Recoverin	g 🗌 Rec	overed fully (no co	mplications)	Not Recove	ered 🗌	Unknown
Recovered v									
				Y_ → F	ull autopsy done:	Yes No	Unknowr	ı	
If NO, verbal au			_						
Hospitalisati				<u>DD/M</u>	<u> </u>				
			of hospital:			_ Hospital nur			
Did this person	receive a CO	/ID-19 v	accine?	Yes 🗌 N	o 🗌 Unknown If Y	es, Complete Sec	tion E belo	w	
	SECTION	D: VAC	CINE INFO	RMATION	l (Please attach a d	opy of the Vaccin	ation Reco	ord)	
Health facility /		enter n	ame:				DoH	l 🗌 Priv	/ate 🗌 NGO
Address / locat	ion:								
Vaccine given		Dose	D-19 vaccin	administ	Batch / Lot Expiry d		Dil Batch/ Lot	Expiry	pplicable)
(Use trade name)	Manufacturer	number (1 <sup>st</sup> , 2 <sup>nd</sup> )	vaccinated	vaccinated	number date	record number	number	date	reconstitution
			_						
Consumables	Needles		Size:	B	atch:	Expin	/ date:		
used									
Detail	s of Non-COV	D19 va	c <mark>cines</mark> recei	ved in the	last 1 year (Use ac	litional page if th	ere are m	ore vacci	ines)
							-		
Consumables	Needles		Size:	B	atch:	Expin	/ date:		
used (unless pre-filled)	Syringes		Size:	B	atch:	Expin	/ date:		_
pre-meu)	.,	SECT			ON MAKING LEV				-
		For ALL	AESI cases	including	COVID-19 vaccinat	d and unvaccina	ted		
AEFI confirmation	on initiated: [	Yes			irmation done by I				
Is this AESI linel	isted? 🗌 Ye	sПN		Date invest	igation planned:		ΥΫ́		
				n planned	with AESI investiga	tion form? 🗌 Ye	es 🗌 No		
If YES, date plan	nned: <u>D D / N</u>	<u>/ M / </u>							
					ONAL LEVEL TO C				
Date report received at National Level: DD/MM/YYY       AESI worldwide unique ID:									
Comments:									
IMPORTANT: Email this form within 24 hours to AEFI@health.gov.za									
AND copy the EPI District Surveillance Officer									
OVID-19: AESI	CRF Page 2/	2			Case Re	ort Form_Adverse ev	ents of SPFCI	AL INTERES	T COVID-
9_20210128					cuse ne				

# How to complete an AEFI form page 1

- AEFI is 'Adverse Event following immunisation'.
- Fill out this form if a client develops any adverse reaction or event after receiving the vaccination. Events can be minor or severe and local (involving the injection site) or systemic (involving a whole body reaction like fever or a faint).

health         ALL VACCINES including           Series         CASE REPORTING FORM (CRF) FOR ADVERSE EVEN		Fill in vaccine recipient's details in this section.	
EPID Number:       S       O       A       - <t< td=""><td>Date received         Level         Signature           Private         District         Province           Province         National SMPRA         National SMPRA</td><td></td><td></td></t<>	Date received         Level         Signature           Private         District         Province           Province         National SMPRA         National SMPRA		
the requested information or tick the appropriate box. SECTION A: IDENTIFYING INFOR NOTE: In maternal vaccination, if mother and baby / more than one baby are affect			
Vaccine recipient name & surname:	Reporter's name & surname:		Adverse events can
Vaccine recipient's residential address:	Designation/Position:		also be reported
Mobile no:Telephone no:	Institution & Department:		electronically: • The Med Safety App is
Email:F Other If applicable: Pregnant Breastfeeding	Telephone no:	Fill in your details in this section.	a mobile app for use b both healthcare worke
Date of birth: $DD/MM/YYYY$	Mobile no:		and the public
OR Age at onset:	E-mail: Date patient notified event to health system:		Available for Android and IOS devices
OR         Age group:         □         -<1 year         □         1 - 5 years         >5 - 18 years           >18 - 60 years         >60 years         >60 years         >         <	DD/MM/YYYY		Uses the same case
I <u>f applicable</u> : Gestation: Full-term Premature			report form as paper- based system
SECTION B: VACCINE INFORMATION (Please attach a copy of the NOTE: In the case of a foetal adverse event, ALSO record the r			based system
Health facility / vaccination center name:	DoH Private NGO		
Address / location: Vaccine administered	Diluent (if applicable)		
Vaccine/s given Date Time Dose Batch/Lot Expiry date / V (lies tade name) vaccinated vaccinated number number	Manufacturer Batch/Lot Expiry Date & time of reconstitution		
		Complete the vaccine information here.	
Consumables Needles Size: Batch:	Expiry date:	Record date and time of event here.	
used (unless         Free line         Ster         Ster <td> Expiry date:</td> <td></td> <td></td>	Expiry date:		
SECTION C: TRIGGER EVEN	ITS		
Date & time AEFI started:       D       / M M / Y Y Y Y       Hr       Min         Minor local reactions       Minor system	Adverse event (s): (Tick ( $\checkmark$ ) all boxes that apply) nic reactions	Tick appropriate box if minor local reaction (local means involving the injection site).	
Swelling <5cm Induration / hardness Excessive	crying (infant)		
	to touch / on movement, Fainting erfering with daily activities)	Tick appropriate box if minor systemic reactions.	
ALL VACCINES including COVID-19: AEFI CRF Page 1/2 Case	Report Form_AEFI_All vaccines incl COVID-19_20210128		

## How to complete an AEFI form page 2

Patient name & surname:	EPID Number:		Tick appropriate box if severe local reaction involving the injection site.
			Tex appropriate box in severe local reaction involving the injection site.
Severe local reactions Pain, redness and/or swelling >3 days	Severe systemic reactions	Collapse/ shock-like state	
Swelling >5cm	Hospitalisation     □ Death       Fever ≥38°C     □ Thrombocytop		
Swelling beyond nearest joint	Seizures Febrile Afebrile Encephalopath		
Lymphadenitis	Toxic shock syndrome Vomiting	Diarrhoea	
Abscess	Other (specify):		
Necrosis at vaccination site	Foetal adverse reactions in the case of maternal immuni	sation:	Tick appropriate box if severe systemic reaction involving the whole body.
Other (specify):	Decreased FHR variability Decreased foe	tal movement 🗌 Foetal death	
	Onset of preterm labour, assessed to be possibly/prob		
	Foetal anomaly assessed to be possibly/probably relat with pre-pregnancy or 1 <sup>st</sup> trimester immunisation)	ed (e.g. congenital anomaly feasible	
	Foetus affected by maternal immunization (e.g. live va	accine administered to mother)	
NOTE: Severe or serious	s adverse event 尹 Immediately notify District Office	for Case Investigation	
	ver's concern (AEFI signs and symptoms). Use additio		
			Describe in words what the concern in this case is .
Were there any other similar AEFIs re	ported in the facility in the past 30 days? 🗌 Yes 🗌	No (If yes, specify)	
			Describe any other similar reports.
	SECTION D: PAST MEDICAL HISTORY		Record the client's past medical history here. Include:
	y of previous similar reactions or other allergies), con		
administration (exclude those used to	o treat reaction), any other relevant information. Use	additional sheet if needed	Similar previous reactions
			Medications
SECTION E: PREL	IMINARY ASSESSMENT AND ACTIONS AT THE TI	ME OF REPORT	
	No If Yes, tick ( $$ ) in the appropriate box below		Indicate one or more of the consequences of the AEFI
	bility Life threatening Congenital anomaly in c	off-spring of vaccine recipient	
Comments:			i.e why you consider it a serious reaction.
SECTION F: WHAT WAS THE	E OUTCOME OF THE CASE FOLLOWING THE SUSP	ECTED AEFI in VACCINEE?	
	no complications) Not Recovered Unknown		
Recovered with sequelae; Specify:			
	M / Y Y Y Y → Autopsy: Yes No Unkn	20\mm	Record what the outcome of the AEFI was at time of reporting.
	admission: D D / M M / Y Y Y Y	lowin	
Hospitalisation     A Date of a		number:	
	ON G: FIRST DECISION MAKING LEVEL TO COMP		
			This section is for the first decision-making level to complete (Facility/sub-
Case investigation needed: Yes			district/district level. If serious or severe AEFI, investigation required.)
Date investigation planned: DD/M			
	SECTION H: NATIONAL LEVEL TO COMPLETE		
	$\frac{1}{D} \frac{D}{M} \frac{M}{M} \frac{M}$	:	This section will be completed at National level.
Comments:			This section will be completed at National level.
IMPORTANT:	Email this form within 24 hours to AEFI@	health.gov.za	
	ND copy the EPI District Surveillance Offic		Scan and email completed forms within 24 hours to
<u></u>	,		AEFI@health.gov.za and cc in district level coordinators (find contact
			details in WC Circular H22/2021 - 01 March 2021).
ALL VACCINES including COVID-19:	AEFLCRF Page 2/2 Case Report Form_AEFL	_All vaccines incl COVID-19_20210128	

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### Practical Approach to Care Kit: Vaccine

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