

Logistics flow and key questions – always consider also the implications on budgets, communication and human resource requirements including protocols, capacities and training needs

Overarching questions

To the focal point for logistics

- ▶ Is the logistics governance set up and all contact data available?
- ▶ Is there a process to forecast demand and develop logistics plans accordingly?
- ▶ Are the necessary processes and systems for vaccine-dose-based tracking in place?

To vaccine suppliers

- ▶ What are the storage requirements of the vaccines?
- ▶ What are the packaging specifications (vial size and number of doses, size of shipments, cooling mechanisms and needs, e.g. for dry ice), and will re-packaging/reconstitution be needed?
- ▶ What ancillary materials will be needed?

To the EPI programme/other national stakeholders and logistics providers

- ▶ What are the transport and warehousing capacities that are suitable in terms of cold chain capabilities, space, and certifications (used in EPI programme, but also potentially animal health facilities or others)
- ▶ If needed: where could re-packaging be done?

To regulatory and customs authorities

- ▶ Are all regulatory permits and documentation in place and effective to avoid delays in vaccine import?
- ▶ Are the relevant stakeholders informed and trained to process the import without delay?

Vaccine Manufacturer



What is the schedule for the shipping of vaccines (number of doses, timelines) to prepare for?

What are the suppliers' logistics plans – shipping to regional centres, country port of entry, to the vaccination facilities?



Cold-chain transportation



Are the required vehicles/packaging materials (incl., e.g., dry ice) available?

Are the required tools/systems for cold chain monitoring (thermometers, platforms) available?

Where would the re-packaging take place, which facilities fulfil the requirements?

Room temperature transportation



What is the most appropriate mode of transportation for the last mile – potentially already combined with ancillary materials?



Reconstitution

What are the materials needed, at which number?

What are the maximal timelines between reconstitution and vaccination?

Room temperature transportation



Vaccination



Are the required waste management capacities in place?

Is all tracking information submitted to all relevant systems (incl. surveillance)?



Based on the # of doses per vaccine, how much of each ancillary material is needed?

Are the required vehicles and maintenance points available?

How will the transports be coordinated with the vaccine dose transport?

Where would the re-packaging in alignment with the # of doses per vaccine take place?

What is the most appropriate mode of transportation for the last mile?

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Overarching questions

To the focal point for vaccination:

- ▶ Is the vaccination governance set up and all contact data available, incl. at the local level?
- ▶ Are the necessary systems and processes including for contacting, tracking and surveillance in place?

To the communication and engagement and communications lead:

- ▶ Is there an overarching communication strategy with targeted messaging and channels for technical (e.g. registration) and uptake (e.g. information on the vaccine) information?
- ▶ Is there sufficient engagement of key stakeholders such as community organizations, key opinion leaders (national and local)?
- ▶ Is there a process and tools to regularly track and adapt community engagement and communications measures?

National vaccination strategy



Which target groups to approach, and how to sequence them?

Which strategies to use for each target group?

What are the requirements for vaccination sites, what existing sites can be used?



Localization of target groups



What are the best sources of data to identify and contact the target groups?

Notification and registration



What is the most appropriate approach for registration and notification?

How can targeted follow-up with relevant target groups be guaranteed?

Unique code for vaccination



How to ensure that vaccine recipients can be clearly identified including the doses they received), and contacted?

Vaccination



Book appointment for a second dose

2 weeks post vaccination

How to ensure an effective follow-up with vaccine recipients?

Certification



Which type of document/ registration should be used to certify the receipt of the full number of doses of the vaccine?

