



World Health
Organization

1

Setting up an expanded access/
compassionate use to evaluate candidate
vaccines in the context of an outbreak?

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**Building research readiness for a future
filovirus outbreak.**

20-22 February 2024, UGANDA



R&D Blueprint

Powering research
to prevent epidemics

Outline

- ❑ Definition of ring vaccination
- ❑ Overview of Ring Vaccination
- ❑ Organization and implementation;
- ❑ Different approaches used during the response;
- ❑ Vaccine management;
- ❑ Lessons Learned



Definition of ring vaccination

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Ring vaccination is a strategy:

- contacts,
- contacts of contacts
- probable contacts of confirmed EVD cases.
- 1970s (smallpox)

Overview of Ring Vaccination

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Two types of study:

- ❖ Randomized trial **“efficacy and safety of rVSV-ZEBOV” in Guinea (immediate and delayed vaccination);**
- ❖ SAGE recommendation for the use of the unlicensed vaccine in the context of the epidemic on a **“compassionate use protocol”;**
 - Limited global supply of unauthorized doses;
 - **Sample size (undefined);**
 - **Quick implementation (Maximum 7 days)**
 - **Safety and efficacy**
 - **Implementation timeline (not defined)**
 - **Quick evaluation of vaccine candidate**
 - **Resources**

Overview of Ring Vaccination

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Use of the experimental vaccine:

- SAGE recommendations on the use of Ebola vaccines
- Protocol approved by the national regulatory authority and the ethics committee
- Informed consent of study participants
- Vaccination teams trained on GPC

Overview of Ring Vaccination

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Confirmed case of Ebola virus disease

1

Ring definition

(Community Engagement, listing)

Prior to the start of any study activity

2

List contacts

All recent contacts of the case

3

Assess eligibility and obtain consent

6

Other follow-up visits

D3, D14, D21, D42, D63, D84

Unscheduled visit and SAEs
Pregnant women

5

30 minute follow up

Only for participants who have consented

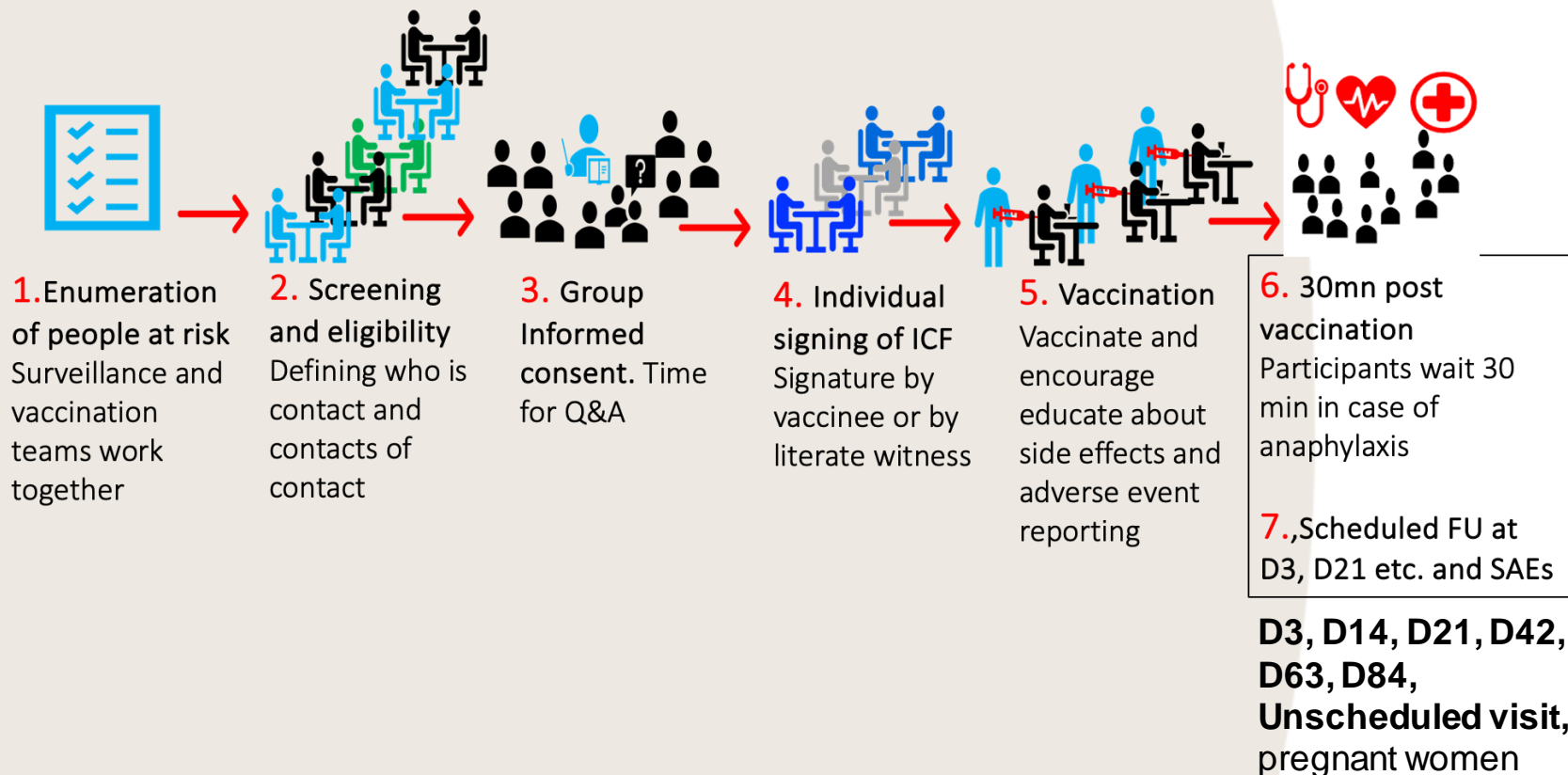
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Vaccination



R&DBlueprint
Powering research
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Overview of Ring Vaccination



Place of residence of Ebola case

Organization and implementation

Hospital visited by case



DAY 5

Health center visited by case

DAY 4

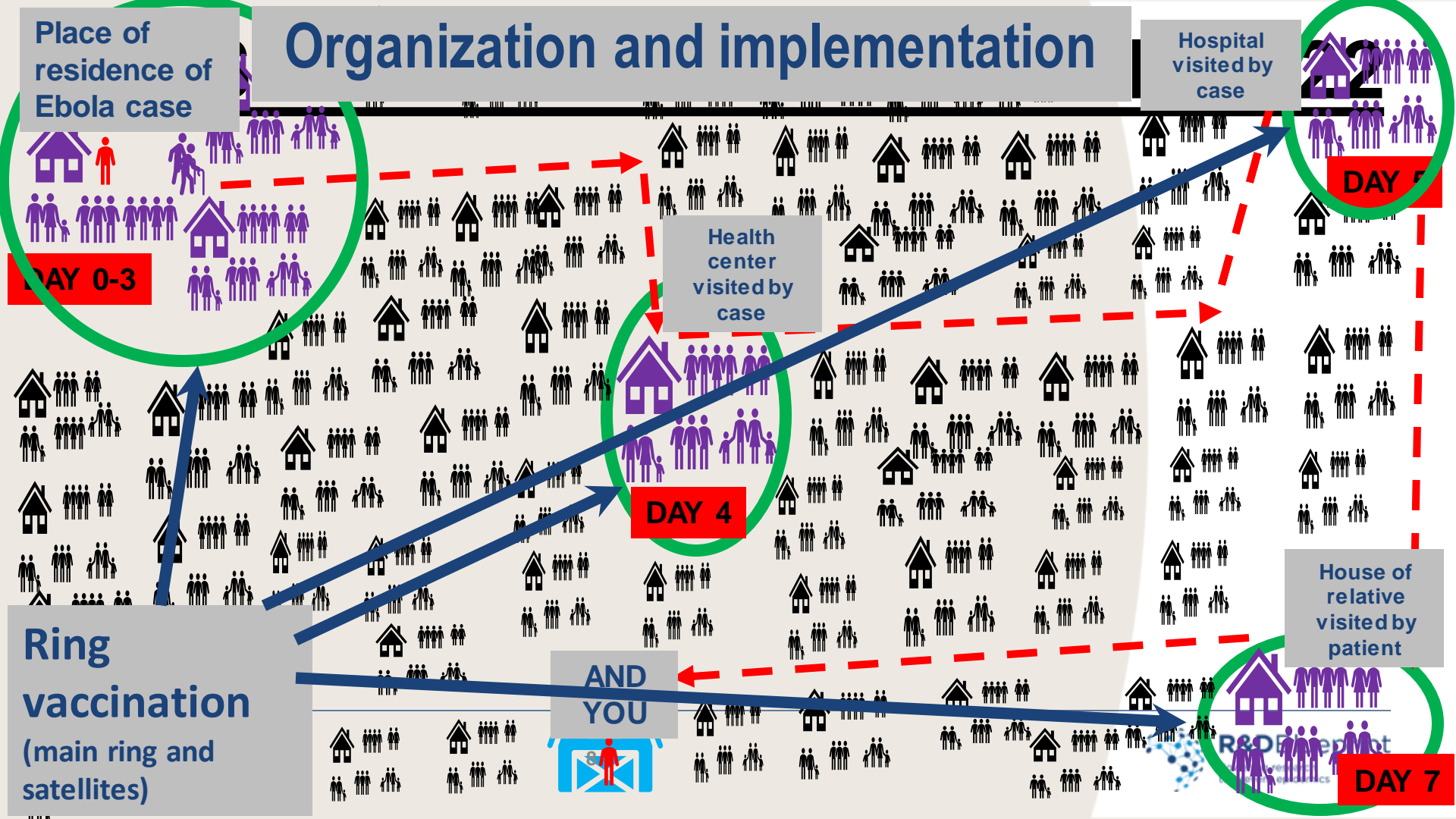
House of relative visited by patient

DAY 7

DAY 0-3

Ring vaccination
(main ring and satellites)

AND YOU



Organization and implementation

Eligible

- 6 months and older
- Pregnant women after the first the 1st trimester
- Breastfeeding women.

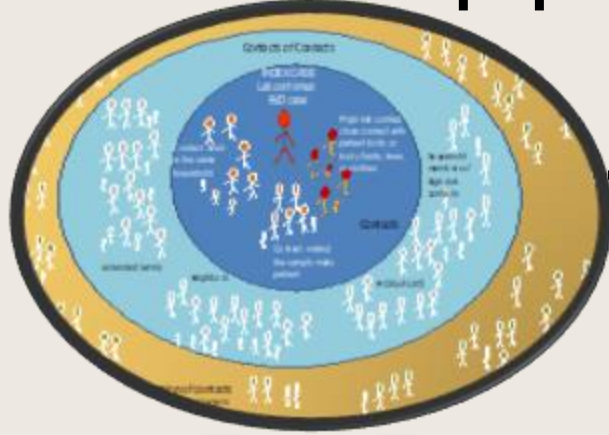
Ineligible

- History of EVD (declared or confirmed by the laboratory).
- Pregnancy (before the first trimester).
- Previous administration of other experimental treatments within the last 28 days.
- History of anaphylaxis to a vaccine or vaccine component.
- Serious illness that causes the person to be bedridden or requires hospitalization at the time of vaccination or after.

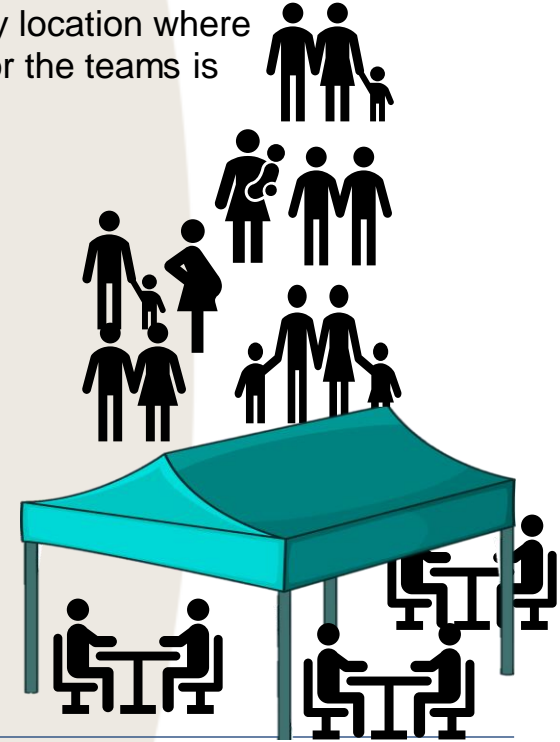
Different approaches used during the response

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1-Vaccination pop-up



Temporary location where security for the teams is ensured

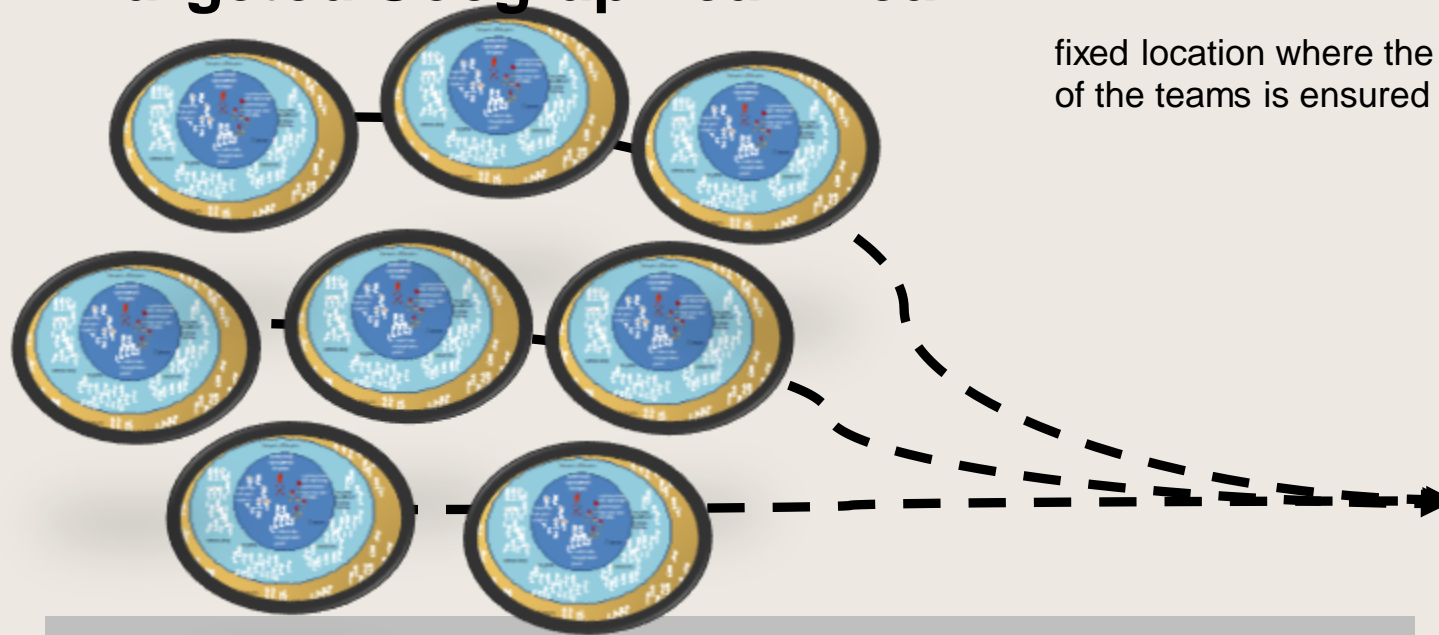


Vaccination is implemented at an agreed and temporary protected vaccination site, well away from the home of contacts, often a health facility)

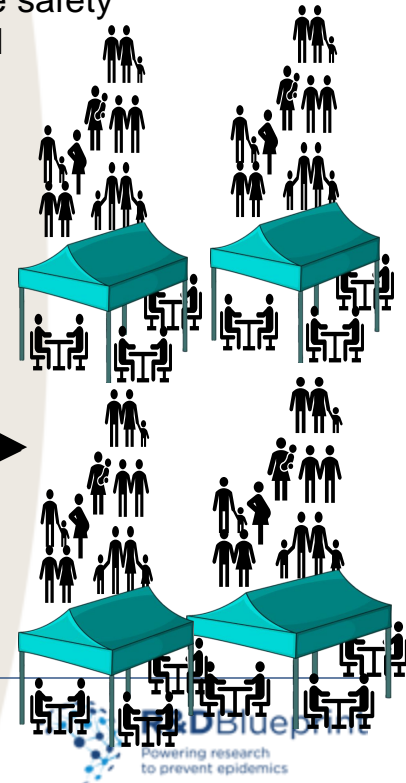
Different approaches used during the response

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2-Targeted Geographical Area

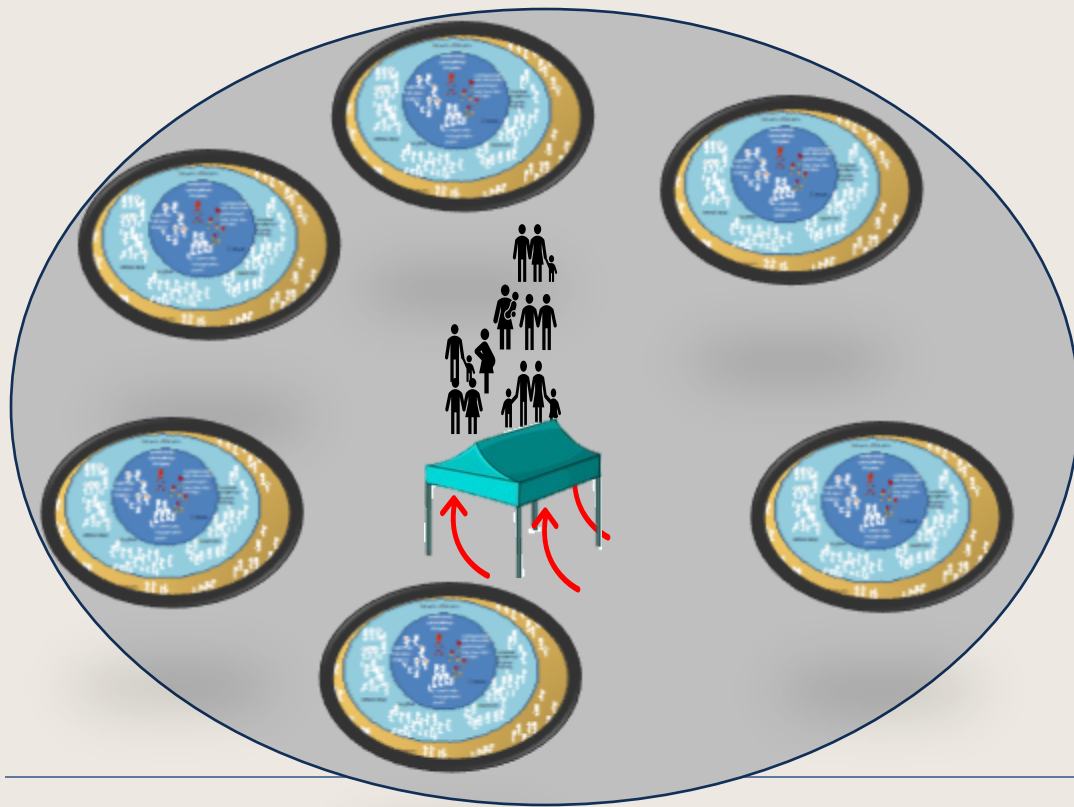


All contacts and contacts of contacts of all reported cases in a given village or Health Area are listed and invited for vaccination simultaneously.



Different approaches used during the response

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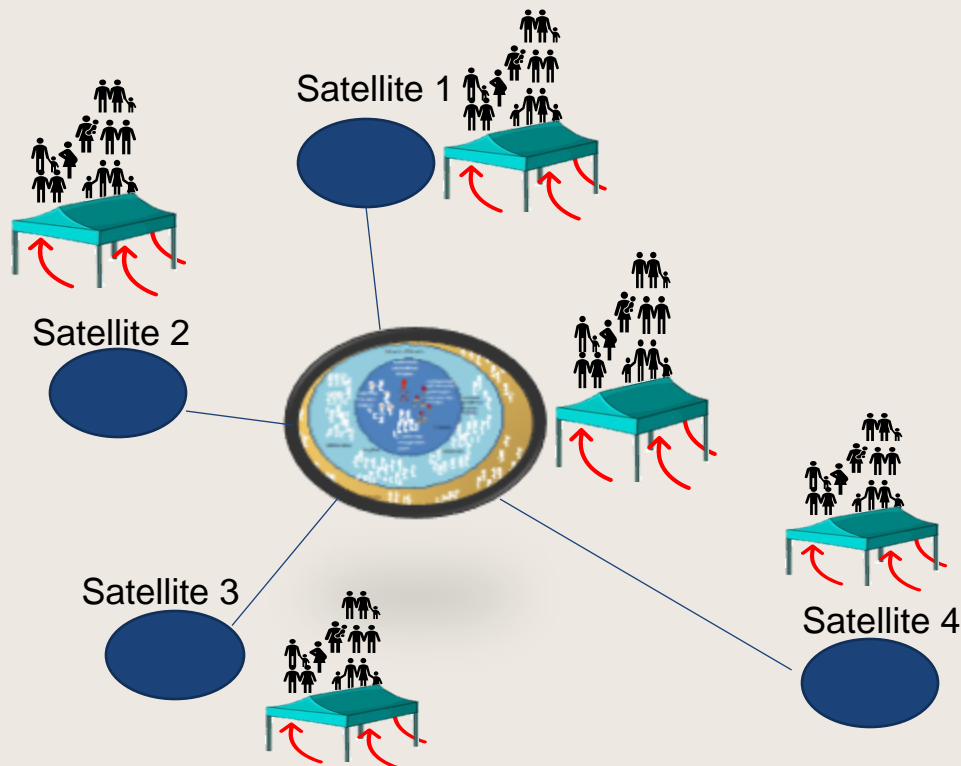
3-Mop up operations:

Fix teams in hostpots to catch up with contacts and contacts of contacts:

- 1st for cases in last 10 days
- 2nd for cases in last 21 days

Different approaches used during the response

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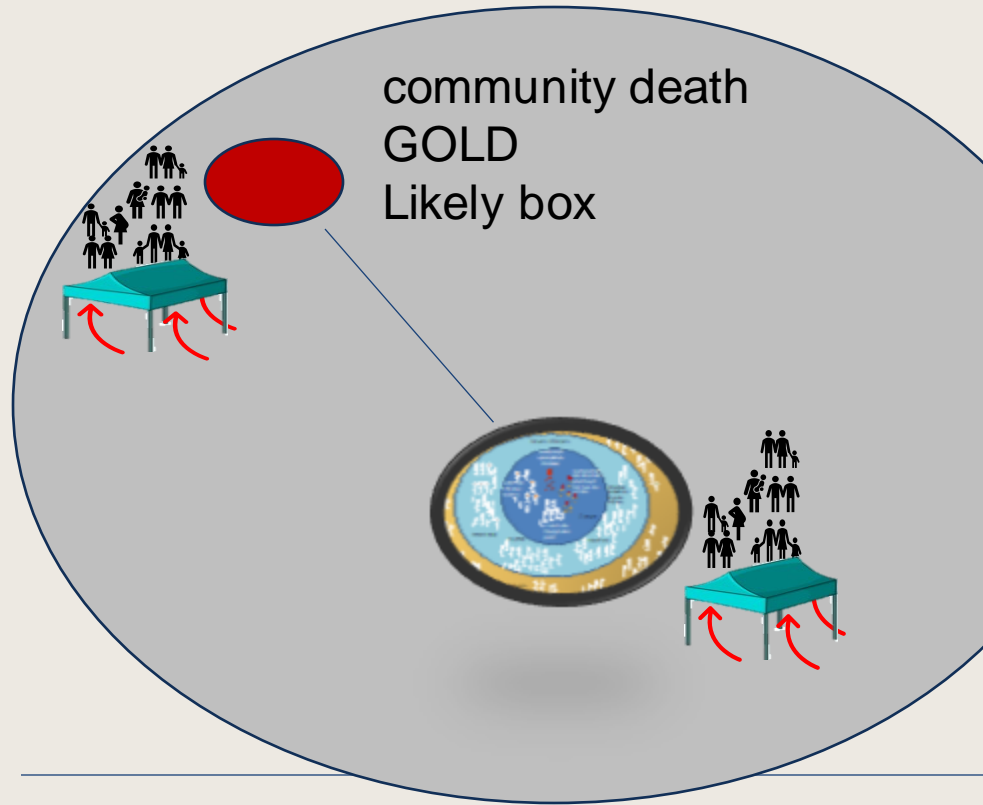


4-Several teams vaccinate around a case:

Simultaneous
vaccination at all
locations visited by
cases since onset of
symptoms (satellites)

Different approaches used during the response

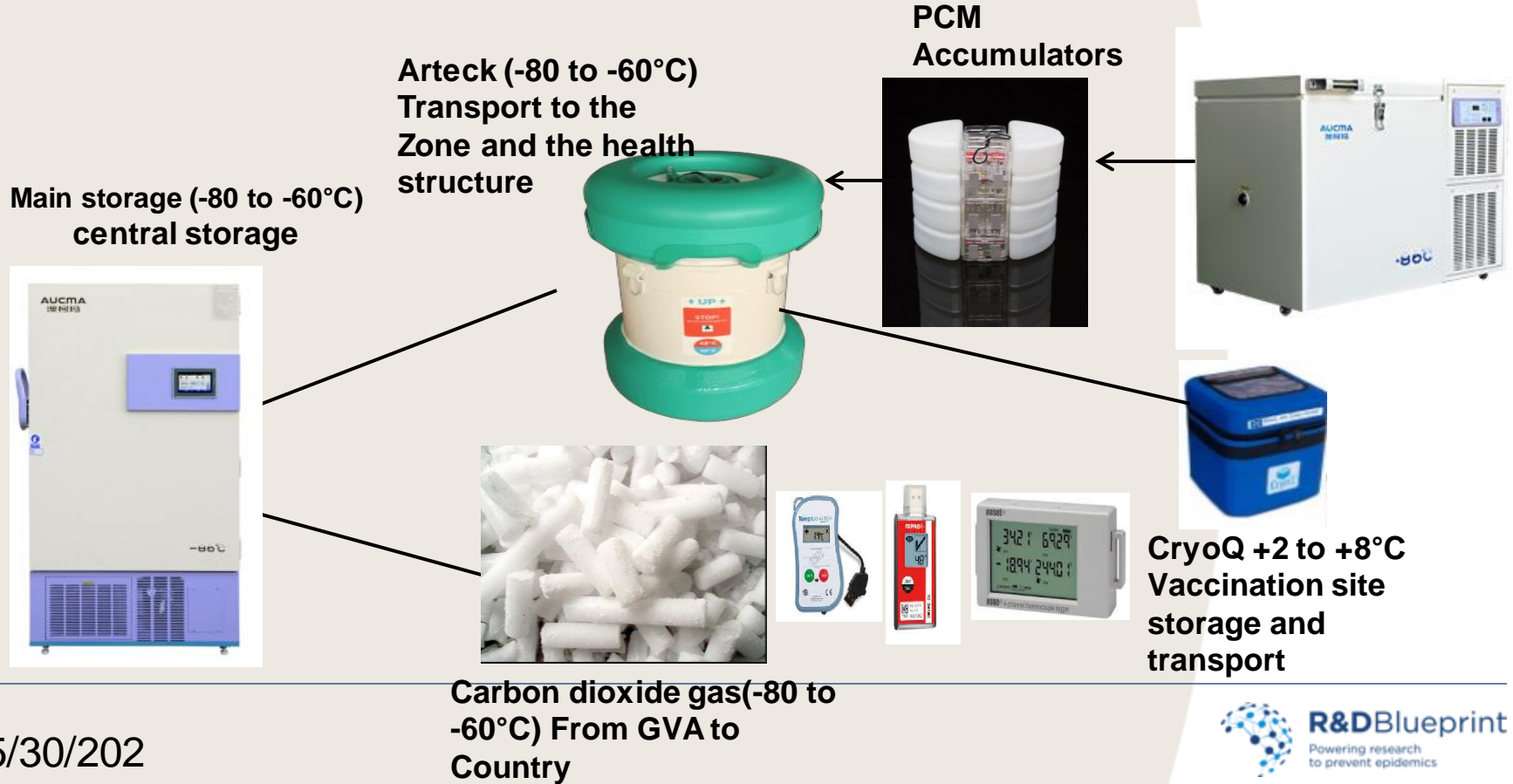
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**5-Include people at risk around the deaths of probable cases or suspected cases (verified epi link):
Vaccinate simultaneously within the framework of an existing ring**

Vaccine management

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5/30/202

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Lessons Learned³⁰

- Research in the context of a health emergency (disease with epidemic potential) vaccine to help stop the spread of an epidemic;
- Innovative approaches depending on the context (***targeted geographical vaccination, pop-up vaccination, Mob up operation, and simultaneous vaccination in all places visited by the index case***),
- Inclusion of children and pregnant women

Lessons Learned³⁰

- V. Preventive action in neighboring countries of the affected country as part of the preparation (J&J vaccination).
- Development of local competence (about **6000**)
- Collaboration research and Response Teams

A group of five people (three men and two women) are standing in a modern, brightly lit hallway. They are all smiling and looking towards the camera. The man on the far left is wearing a light blue shirt and dark trousers. The woman next to him is wearing a patterned dress and glasses. The woman in the center is wearing a dark blue dress with a gold necklace. The man next to her is wearing a yellow traditional garment. The man on the far right is wearing a dark blue shirt and khaki pants. They are all wearing blue lanyards with white ID badges. In the background, there is a large, lush green living wall. The floor is made of light-colored stone tiles. The text "Thank you" is overlaid in the center of the image.

Thank you