

Past experience from typhoid vaccine implementation

“Typhoid vaccine Introduction in Nepal”

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2015

Background

- Typhoid fever is **endemic** and prone to **outbreaks** in Nepal.
- **Hospital data** in Kathmandu Valley indicated that Typhoid fever is endemic in Nepal.
- **Poor quality** of drinking water, sanitation and personal hygiene has magnified the magnitude of the problems.
- **Typhoid vaccine** is available which is effective in preventing typhoid fever.
- Repeated typhoid outbreak reports caught the attention of **health authorities**.

Advocacy

- **Ministry of Health and Population, Nepal** expressed willingness to pilot typhoid vaccination among school children in two districts of Kathmandu Valley.
- A proposal of piloting was submitted to Ministry by **International Vaccine Institute (IVI)**, Korea.
- **National Committee on Immunization Practices (NCIP)** also recommended the use of typhoid vaccine for control.

Objectives

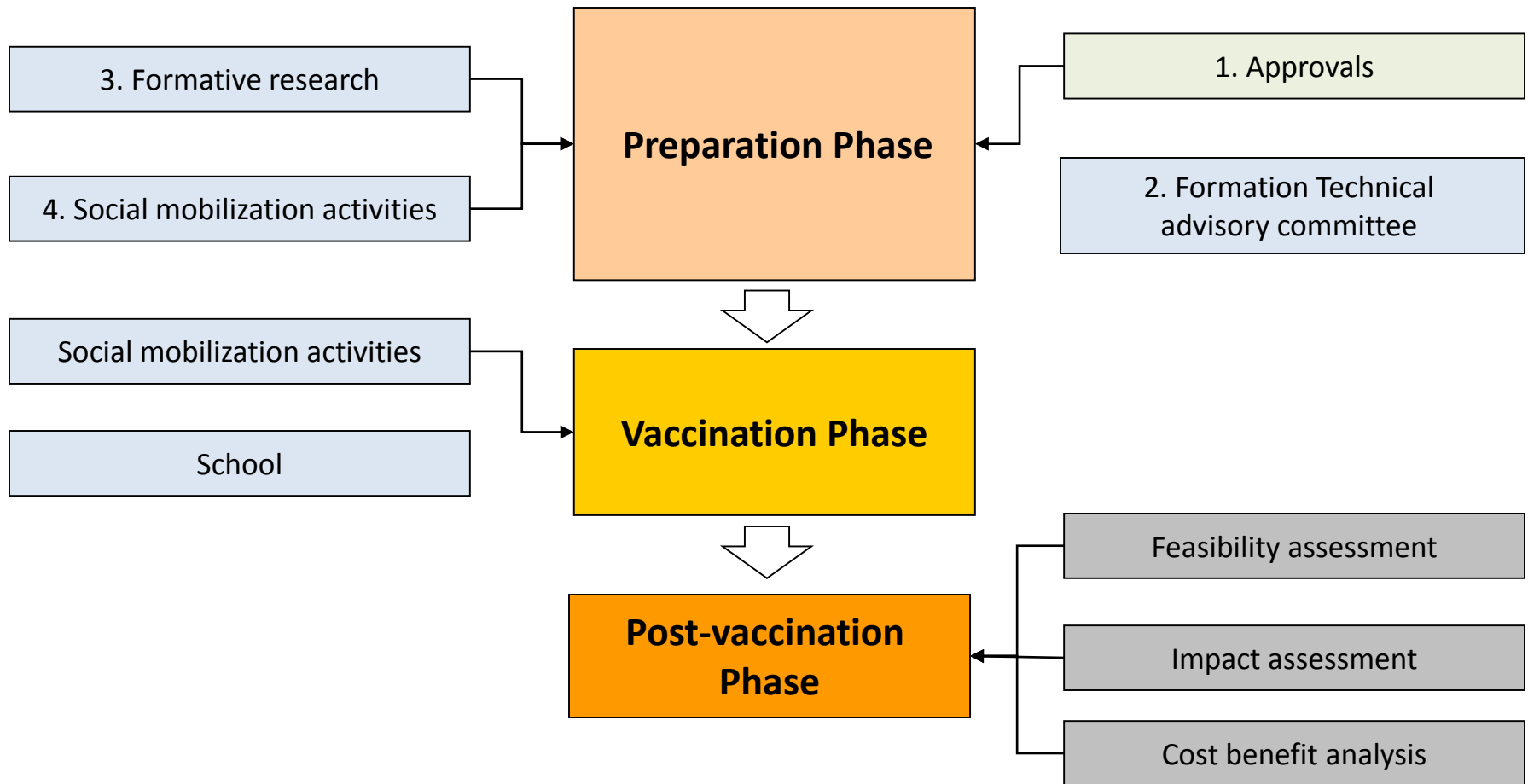
- **To introduce typhoid vaccine** among school children in Kathmandu Valley, Nepal
- **To create awareness** through social mobilization and communication activities
- **To evaluate the acceptance** of typhoid vaccine introduction in Nepal

Methodology

- The project period was from **October 1, 2010** to **June 30, 2013**.
- This project was implemented in **three phases**:
 - Preparation
 - Vaccination
 - Post vaccination

Vi polysaccharide vaccine (France) was used for vaccination (20 dose vial)

Pilot Introduction



Social Mobilization Strategy

ACTIVITIES	
Awareness Programs	Meetings
	Interactive information Sessions
Print Materials	Brochures
	Posters
	Banners
	Flyers
Mass Media	TV
	Radio
	Miking
Interpersonal Communication	Mobile Booths

Vaccination Principles

- **4-day training** to vaccinators (Health workers)
- Mandatory written **consent**
- Appropriate **Cold chain** management
- **Safe** injection practice
- Post vaccination **observation** (15 mins)
- **AEFI management** team with logistics

Achievements (1)

- Jointly inaugurated by **Minister of Peace and Reconstruction** and **State Minister of Health and Population** on August 19, 2011
- **141,300** students vaccinated in **847** schools of Lalitpur and Bhaktapur districts of Kathmandu Valley.

Achievements (2)

- **No major side effects** (AEFI cases) were observed during vaccination.
- The number of **typhoid cases** has been **reduced** in Patan Hospital after introduction of typhoid vaccine among school aged children.

Conclusion

- The project demonstrated **high acceptance** of typhoid vaccine.
- Typhoid vaccine is **safe**. There was **no adverse effect** reported.
- **Introduction** of Typhoid vaccine into routine immunization program will **have a larger impact** on reducing the burden of typhoid fever in Nepal.

Glimpse of Piloting







Acknowledgements

- Ministry of Health and Population
- Ministry of Education
- Nepal Health Research Council
- International Vaccine Institute (IVI), Korea
- School Management Committees
- Patan Hospital
- Mr. Deepak Bajracharya
- Health Workers

We all can bring the change!! Together if we work.....



Thank You