



Celebrating 35 Years of Institutional Excellence

PROJECT ON VACCINATION DRIVE

Submitted by :

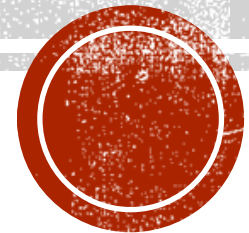
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Aster
PRIME HOSPITAL
We'll Treat You Well

INTRODUCTION:

- Since hospital was much involved in vaccination, I selected my operational research topic on Vaccination
- Observed the overall vaccination process.
- Learnt new things in crowd management and coordination.
- Gave recommendations to improve the turnaround time of patients and also to improve in overall process.
- Encountered with problems faced in vaccination and rectified.
- Patient flow



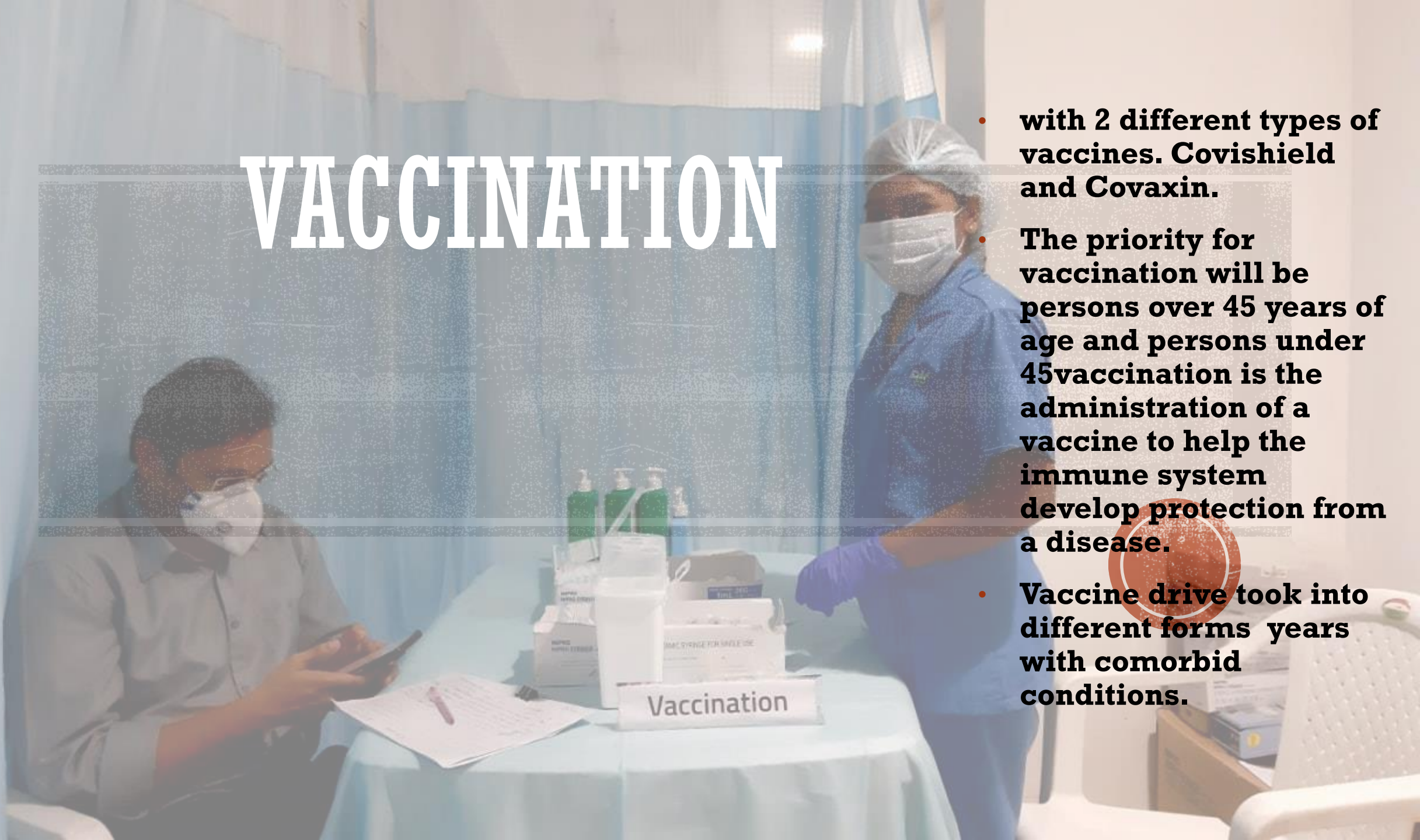
RESEARCH OBJECTIVES:

- This document provides an overview of the possible goals of vaccination against COVID-19 and reflects on potential implications in Aster prime hospital.
- Efficient and effective vaccination strategies should be directed by explicit objectives. Therefore, the setting and prioritization of clear and measurable goals for COVID-19 vaccination strategies is of crucial importance.



VACCINATION

- with 2 different types of vaccines. **Covishield and Covaxin.**
- The priority for vaccination will be persons over 45 years of age and persons under 45. **vaccination is the administration of a vaccine to help the immune system develop protection from a disease.**
- Vaccine drive took into different forms years with comorbid conditions.



Covishield

- The covishield vaccine is a vaccine that aims to protect against covid 19.
- manufacturer: AstraZeneca, Serum institute of India.
- Research name: AZD1222 (ChAdO*1)
- Vaccine type: Non- replicating viral vector.
- Administration method: intramuscular injection.
- Also known as Oxford, Astrazeneca vaccine.
- Multidose vial 5ml – 10 doses.
- Each dose of 0.5 ml contains Adeno virus particles (expressing COVID 19 spike protein) 5×10^8 virus particles.
- Once opened to be used within 6 hours.
- The duration for 1st dose to 2nd dose is 12-16 weeks as per government guidelines.
- Cost per dose Rs 780

covaxin

- Covaxin vaccine is India's first indigenous COVID 19 vaccine that aims to protect against COVID 19.
- Manufacturer: Bharat Biotech
- Research name: BBV152
- Vaccine type: inactivated
- Administration method: intramuscular injection.
- Multidose vial: 5 ml – 10 doses.
- Once opened, to be used within 4 hours.
- The duration of 1st dose and the second dose is 28 days as per government guidelines.
- The cost of each dose is Rs 1410.



COVAXIN AND COVISHEILD

Covaxin is an inactivated viral vaccine. This vaccine is developed with whole virion inactivate Vero cell derived technology.

Covaxin is scheduled after after 4-6 weeks after the first dose

Be stored at 2-8degree centigrade,

Covaxin is 81% according to interim 3rd phase trail results.

- Where as covisheild has been prepared using the viral vector platform which is totally different technology.
- Covishield vaccines it is 84 days or 14- 16 weeks after first dose.
- be stored at 2-8degree centigrade,
- The effectiveness of the covishield vaccine is nearly 90% as per global reports



BENEFITS OF VACCINE:

- **The vaccine reduces your risk of infection.**
- The vaccine can help your unborn baby or newborn.
- The vaccine protects against severe illness.
- The vaccine (eventually) will help us ditch the masks.
- The vaccine will help you reconnect with friends and family.



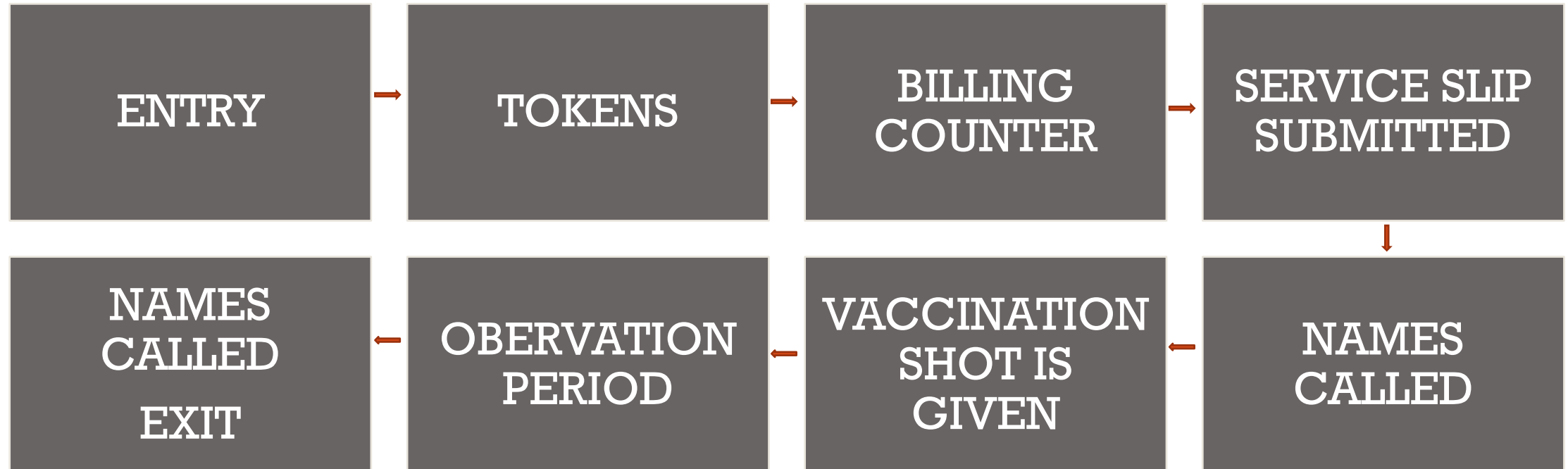
RESEARCH METHODS:

- The Methodology for the Assessment of Vaccination provides the detailed steps for conducting the field work component of the brainstorming sessions, both of which contribute to the development of a detailed action plan for reducing TAT of patient.
- This was an observational method, in which it included the information and importance of vaccination, problems faced during the vaccination, suggestions and recommendations given to overcome the problems and TAT of the patients and also in the registration process through CoWIN.





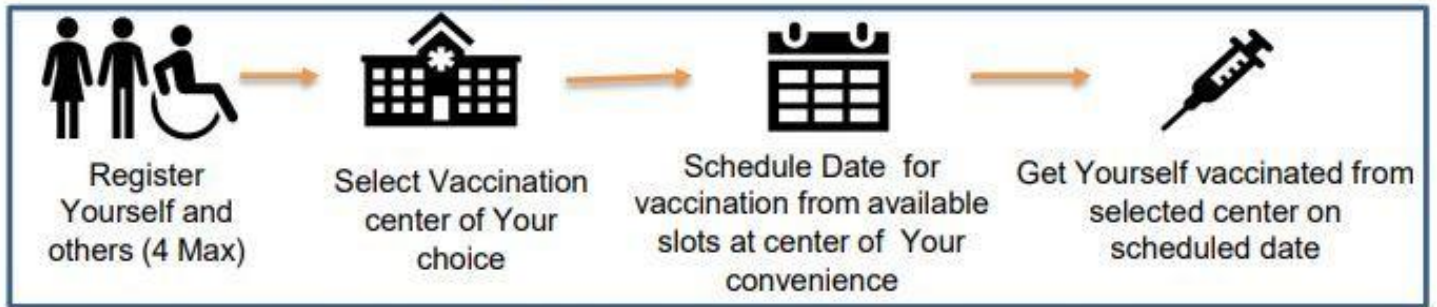
PROCESS



COWIN PROCESS

- www.cowin.gov.in The direct website from where anyone (underage criteria) can register for vaccination.
- This portal is for both covaxin and covishield vaccines to book the slots for vaccination according to the location or availability of the vaccine.

Features of Citizen Self registration Module



The following features will be available for the Citizen in Self Registration module

- Register for a vaccination session (with a choice of registering additional 3 members)
- Selection of Vaccination center of convenience
- Schedule vaccination Date as per slot availability at a Center
- Reschedule Vaccination date



STEPS FOR CO-WIN REGISTRATION:

- **Step1:** visit the Co-WIN platform and register using mobile number.
- **Step 2:** you will receive an OTP, which you can use to verify you phone number and proceed.
- **Step 3:** you will be directed to the registration page where you will have to share a valid photo proof and fill the details, such as age, gender, and so on.
- **Step 4:** then all that left is to schedule an appointment at a vaccination centre close to your location and booking during available slot.



ARRANGEMENTS

- Maintaining proper seating arrangements with social distancing.
- Vaccines are given by well trained and experienced nurse staff.
- the basic information is given while vaccination regarding the precautions and after measurements.
- Staffs with detailed knowledge in co-win app regarding the registration, verification and detailing the slots for government sites.
- Proper coordination in between the nurse, patient and billing section.
- A general observation of 30 mins to be waited after the vaccination is required.



SUGGESTIONS:

Proper guidance for both the vaccines separately in different zones.

Proper communication in between the staff so that vials can be used on time without waiting or wastage.

Proper awareness in registration process in portal to reduce the waiting time and Social awareness in slot booking and in certificate process.

Detailed knowledge regarding the medication after the vaccination can be given in a digital or oral way.

Can increase the different zones of vaccination for both the vaccines to increase the vaccination rate in the hospital.

Social awareness in slot booking process.



PROBLEMS OBSERVED AND FACED IN THE VACCINATION:

- Not mentioning the proper guidance for location in the hospital for vaccination.
- Confusion faced by the benefiers in in between the covaxin and covisheild vaccines way in the hospital.
- Lack billing counters and proper crowd management which leads to maximum waiting time individual.
- Lack of proper token system which faced to problematic in the time of huge crowd.
- Lack of awareness regarding the registration process which caused into over load in billing and also maximum time taken in the billing.



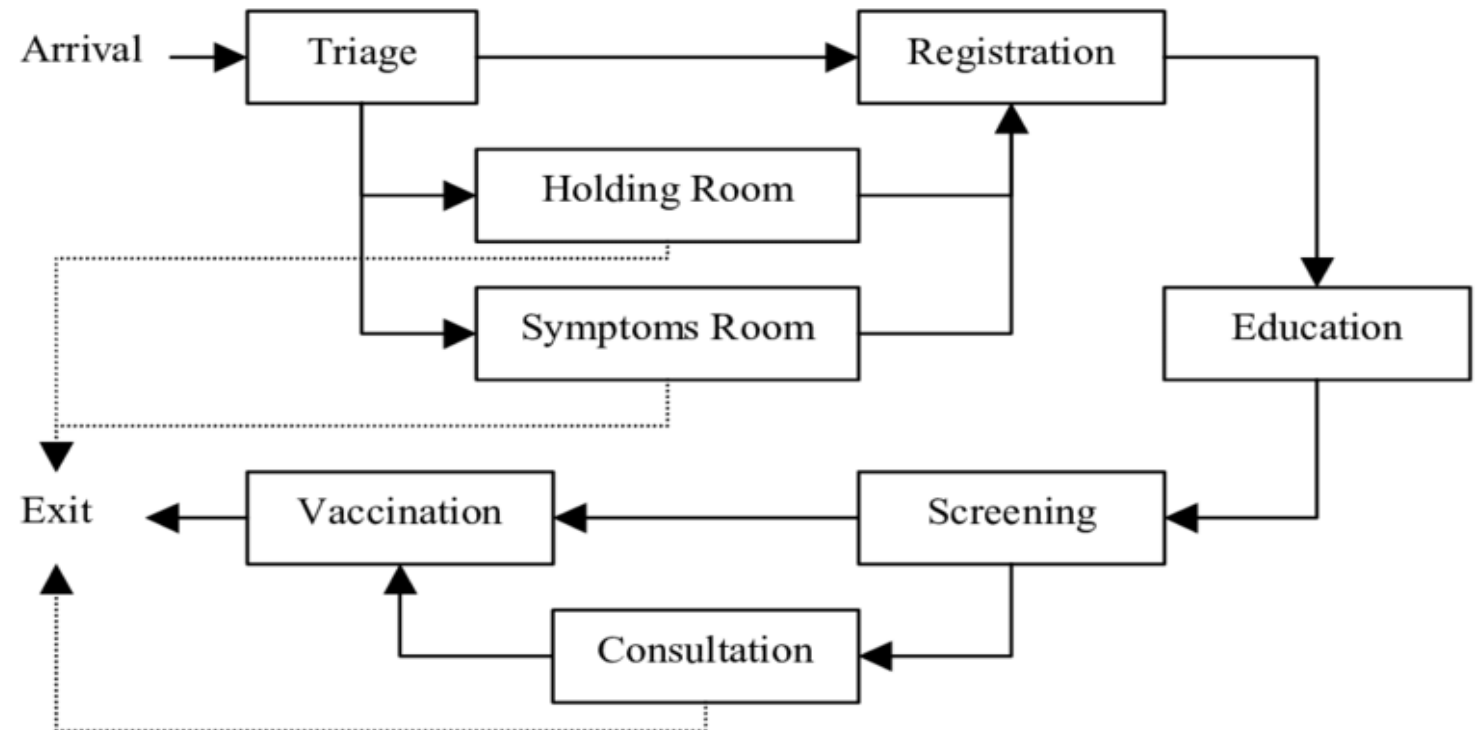
RECTIFICATION OF PROBLEMS WHICH IMPROVED IN VACCINATION

- A proper token system for 45 above and 45 below, which made easy to the individual and also staff to coordinate.
- A proper guidance has given from the front gate for the vaccination way, so that benefiers can reach directly to the vaccination area.
- Given priorities to the slot booked ones so that only considered people can come first.
- Increased in billing counters and also separated in billings for 45 below and 45 above age counters so that to faster the process and to clear the crowd.
- Increased more volunteers in vaccination area from the token section till the individual leave the area after vaccination which made easy to vaccine more number of people in a short duration.
- Collected most of the google reviews from the benefiers so that to improve in a benefits way.
- Proper synchronization of costumer, nurse and billing person.
- keeping the change ready on time. Printing papers, swipe machines pens arrangement should be done 5 mins before the drive starts.



FLOW CHART OF PATIENT FLOW

As the hospital received confirmed SMS, each patient proceeded to the waiting area, which has outside the vaccination centre. At this location, tokens would be provided to patient by checking the scheduled appointment.



TURN AROUND TIME OF PATIENT FOR VACCINATION

PROCESS	TOTAL TIME TAKEN
REGISTRATION	5 MINUTES
SCREENING	5 MINUTES
BILLING	10 MINUTES
CONSULTATION	5 MINUTES
VACCINATION	5 MINUTES
POST VACCINATION WAITING TIME	10 MINUTES
OTHER WAITING TIME	10 MINUTES
OVERALL TIME	1 HOUR



- This is the total turnover time period of the patient for vaccination right from the entrance of hospital till the returning of the patient.
- The whole process will take various steps which involves registration process, screening process, billing process, consultation process, vaccination process, post vaccination waiting time and other waiting time. From all these times taken, the process involves 1 hour of time for vaccination process.
- This process has been reduced the maximum time taken by helping them registering themselves through online, which reduced the total time by 15 minutes. i.e., patient can come directly for billing and vaccination which can take a complete of 40 minutes.
- Meanwhile, patient also can be in observation so that they can move back home in a good condition.



FINDINGS:

- During this project, learnt many things on vaccination.
- Learnt to work under pressure.
- Learnt to coordinate and managing patient flow.
- Learnt about the organization behavior and attitudes.
- Got to know about the overall process.



CONCLUSION:

- It is of paramount importance to define clear and measurable goals for vaccination against COVID-19 and to adapt strategies accordingly. In times of extreme uncertainty and high expectation, it is essential to clarify the steps required to reach the final objective, notwithstanding the need to adapt to unexpected changes.
- Post marketing studies monitoring vaccine effectiveness and impact are of particular importance in proving the benefits of vaccination for all target groups.
- Each of the vaccination goals outlined may require a culturally adapted approach and contextual implications should be considered.
- Vaccination goals could be seen as sequential milestones on the long journey that will eventually lead to a sustainable solution to the COVID-19 pandemic.



THANK YOU!!!

