

COVID – 19 VACCINATION DRIVE AT APOLLO HOSPITAL, JUBILEE HILLS, HYDERABAD

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ORGANIZATIONAL LEARNING



ABOUT APOLLO HOSPITALS, JUBILEE HILLS, HYDERABAD



- Established in 1988 with a mission to carry elite medical services to individuals with a firm confidence in the upsides of greatness, skill, sympathy, and advancement.
 - The most famous and confided in incorporated Health City in Asia, gaining practical experience in the whole range from sickness to wellbeing and comprehensive treatment.
 - Apollo group of hospitals has emerged as single largest vaccinator in India with close to 1.5 million jabs and Apollo hospitals, Hyderabad with over 2 lakh jabs so far is the largest private vaccinator in Telangana.
 - To broaden the vaccination drive, apart from vaccinating at its hospitals in Telangana, the hospital has conducted multiple outreach camps.
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KEY LEARNINGS

Being posted in Operations Department at Vaccination Centre and at HR could learn:

- ❑ How to manage a bigger crowd with patience and how to apply various techniques to simplify the vaccination process
- ❑ How to collect data and what steps can be taken to improve the quality of the vaccination process.
- ❑ What problems staff face on a day-to-day basis and how it can be resolved.
- ❑ How registration and billing process works.
- ❑ How to manage data of a huge number of people.
- ❑ How to do Employee State Insurance and for whom we do it and why we do it.
- ❑ How to digitalize every information of Staff.

STUDY REPORT



ABOUT COVID 19 VACCINATION PROCESS



- Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. India launched the drive across 3006 vaccination sites in 2021 to bring down the number of cases and decrease mortality ratio.
 - The "known knowns" (COVID cases, hospitalization, and effective management) are being dealt with, and with India transitioning through "known unknowns" (managing vaccine logistics and unforeseen complications). The real test will lie in dealing with the "unknown unknowns" (short term and long-term vaccine efficacy, capacity to control the pandemic and boosting the economy and health care).
 - The preventive measures include:
 - Sanitizing; Masking; Social distancing (SMS)
 - Vaccination (COVISHIELD, COVAXIN and SPUTNIK V). As of July' 2, 2021 27,63,39,011 people were vaccinated with at least 1 dose and 5,93,32,783 were fully vaccinated in India and the vaccination drive is going on.
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ABOUT VARIOUS VACCINES

Vaccine	Type of Vaccine	Dosage and Time gap between doses	Storage and expiry	Efficacy Rate	Price in INR (Rs.)
COVISHIELD (Oxford-AstraZeneca vaccine's SII)	Viral vector	2 doses, 12-week gap	2 to 8 degrees Celsius, 6 months	70%	Rs. 780/-
COVAXIN (Bharat Biotech)	Inactivated Virus	2 doses, 4-8week gap	2 to 8 degrees Celsius	81%	Rs. 1,410/-
SPUTNIK V (Moscow's Gamaleya Institute)	Viral Vector	2 doses, 21 days to 3 months	-18.55 degree Celsius (liquid form) and 2 to 8 degrees Celsius (dry form)	92%	Rs. 1,145/-



LITERATURE REVIEW

S.NO	TITLE	AUTHOR/ NEWSPAPER	DATE/ YEAR	KEY FINDINGS
1.	COVISHIELD VS COVAXIN VS SPUTNIK V: WHICH ONE IS BETTER?	TIMES OF INDIA https://timesofindia.indiatimes.com/life-style/health-fitness/web-stories/best-coronavirus-vaccine-covaxin-vs-covishield-vs-sputnik-v-which-one-is-better/photostory/83205740.cms	4 TH JUNE 2021	COVAXIN :- It contains the dead virus which triggers the immune response but does not make the person sick. Efficacy rate is 81%. COVISHIELD :- Made from a weakened version of common cold virus from chimpanzee. Efficacy rate is 70%. SPUTNIK :- Based on an adenovirus. Efficacy Rate is 92%. Two slightly different versions of vaccine are administered. Each of the two doses uses a different type of adenovirus: first dose with type-26 (Ad26), then a booster dose with type-5 (Ad5).
2.	CORONAVIRUS VACCINE: WHY DO SOME PEOPLE GET SIDE-EFFECTS AND SOME DON'T?	TIMES OF INDIA https://timesofindia.indiatimes.com/life-style/health-fitness/health-news/coronavirus-vaccine-why-do-some-people-get-side-effects-and-some-dont/photostory/83511534.cms	15 TH JUNE 2021 , 11:00 IST	1.Different vaccines showcase different responses. 2.Covaxin tends to dole out 'fewer' inflammatory reactions in comparison to Covishield. 3.Women, more than men, tend to experience harsher, and more intense side-effects from the vaccine doses.
3.	ADVERSE EFFECTS OF COVISHIELD: 26 CASES OF MINISCULE BLEEDING, CLOTTING REPORTED, SAYS GOVERNMENT	ZEE NEWS https://zeenews.india.com/india/adverse-effects-of-covishield-26-cases-of-miniscule-bleeding-clotting-recorded-says-government-2362654.html	17 TH MAY 2021, 20:31PM IST	Over 23,000 adverse events have been reported since the vaccination drive involving Covishield and Covaxin vaccines started in the country and of these 700 cases were reported to be serious.
4.	SPUTNIK V COVID-19 VACCINE: HOW MUCH DO WE KNOW ABOUT ITS SIDE EFFECTS?	MEDICAL NEWS TODAY https://www.medicalnewstoday.com/articles/sputnik-v-covid-19-vaccine-how-much-do-we-know-about-its-side-effects	10 TH MAY 2021	The most common side effects of SPUTNIK V are: • flu-like illness • headache • fatigue • injection-site reactions

STUDY QUESTION

What is the COVID 19 vaccination process its importance and side-effects of the vaccine(s)?

STUDY OBJECTIVES

- To study about the COVID-19 Vaccination process at the Apollo Hospitals, Jubilee Hills, Hyderabad.
- To study preferences for vaccines from community perspectives
- To study side effects by vaccines.



STUDY METHODOLOGY

Duration of eight weeks (May-June 2021).

STUDY DESIGN

Cross-sectional survey based descriptive research design.

SAMPLE SIZE

10,000 who gave consent out of 12,408 people.

STUDY TOOL

Interview scheduled.



DATA COLLECTION

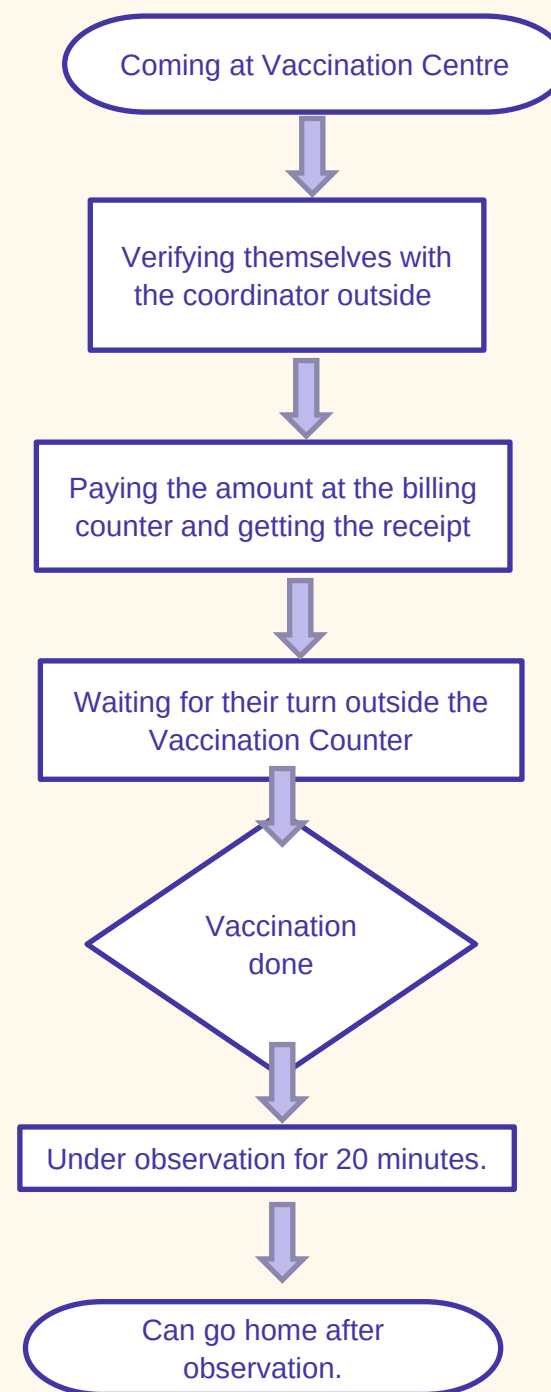
- The people were interviewed who came for vaccination by asking them few questions
 - Done on a daily basis from 10.00 AM to 11.00 AM and from 4 PM to 5 PM.

DATA ANALYSIS

The data was analysed for the following indicators:

- % Distribution of respondents by their preferences on vaccination.
- % Distribution of respondents reported side effects by types of vaccine.
- % Distribution of respondents of how they came to know about the vaccination process.
- % Distribution of respondents by their satisfaction for the vaccination related services.
- % Distribution of respondents by their Turn around time at vaccination Centre.

PROCESS FLOW AT VACCINATION CENTRE, JUBILEE HILLS, HYDERABAD



RESULTS

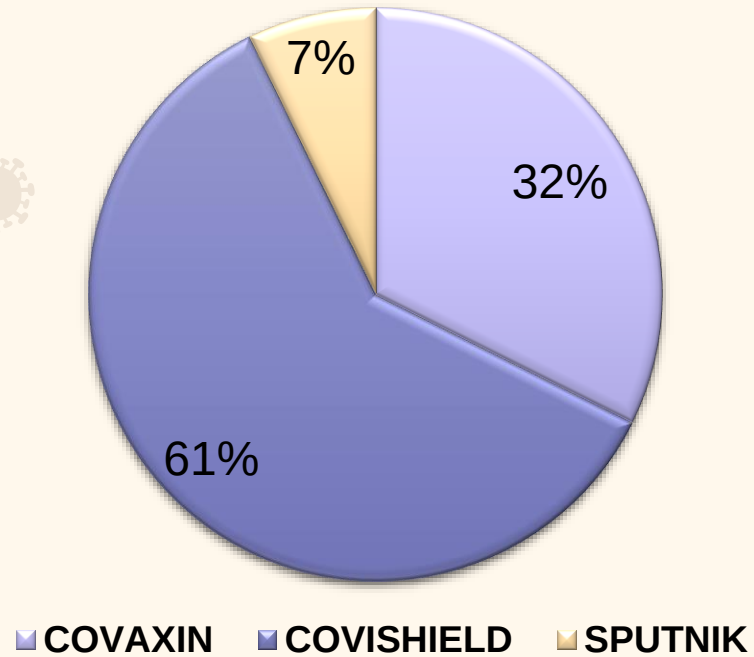
COVID-19 Vaccination process at the Apollo Hospitals, Jubilee Hills, Hyderabad.

Socio-demographic description of respondents

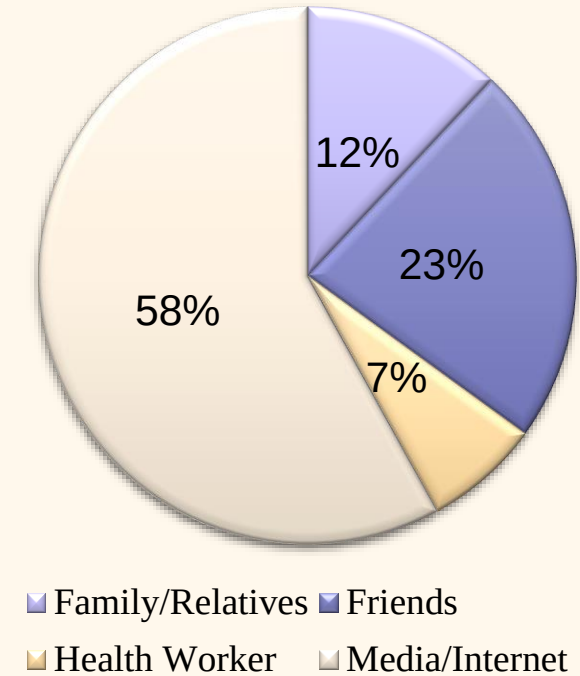
- Out of 10,000, 57% were females and 43% were males.
- Out of the 10,000, 64 % belonged to the age group above 45 years and 36% belonged to the age group of 18-45 years of age.



Per cent distribution of the respondents by their preferences for COVID 19 Vaccines



Per cent distribution of the respondents by their preferences for Source of Information related to COVID 19 Vaccines



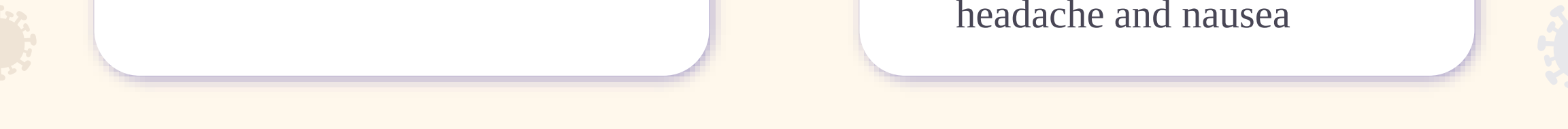


Per cent distribution of the respondents reported side effects by types of vaccine

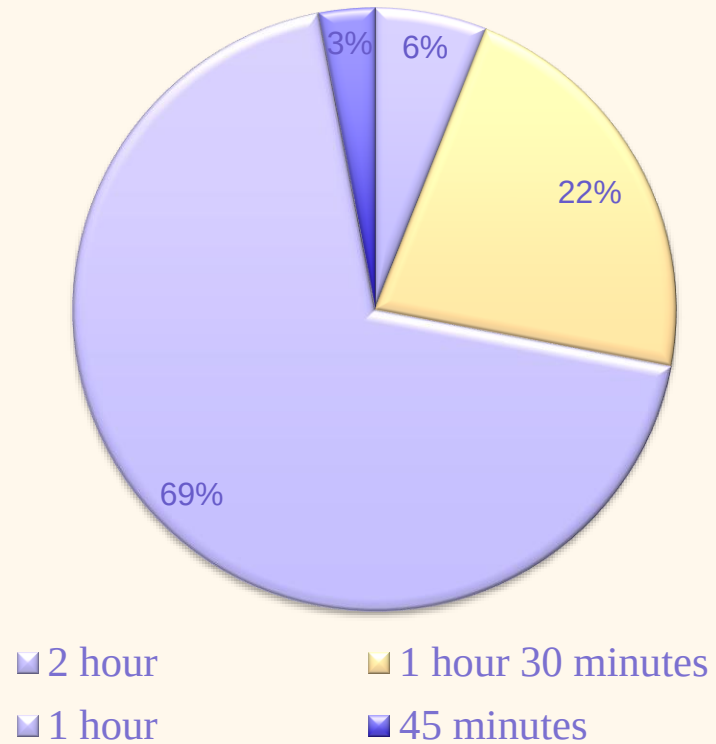
COVAXIN

- Out of the total respondents who took Covaxin, only 11% people developed mild side effects i.e. pain at injection site, fever, headache.

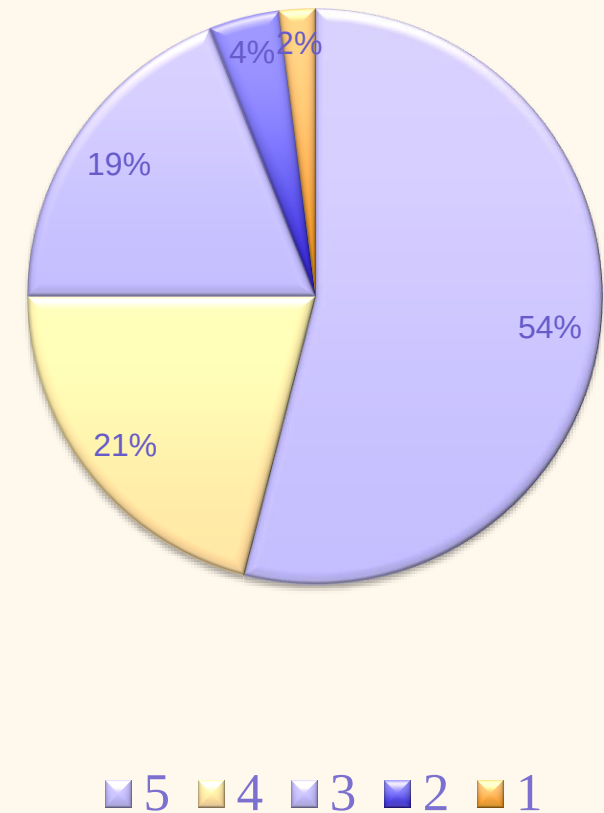
COVISHIELD

- Out of the total respondents who took Covishield, 26% people developed mild side effects i.e. pain at the injection site, muscle or joint aches, fever and chills, headache and nausea
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Per cent distribution of the respondents by time taken for COVID 19 Vaccine at the Apollo hospital



Per cent distribution of the respondents by their satisfaction levels against COVID 19 Vaccine at the Apollo hospital



CONCLUSION

- Currently three vaccines, Covaxin and and Sputnik V are approved for the vaccination.
- Covishield has more side- effects than Covaxin.
- The average Turn around Time for vaccination was 1 hour.
- Covishield was more preferred in comparison to the Covaxin.
- Respondents used more Media and Internet sources to get the knowledge about vaccination process.
- Around 75% respondents were satisfied with the vaccination process at Apollo Hospital.





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THANK YOU

