

# Team Members

### Animesh Parikshya (Team Leader)

E-Mail: animeshparikshya@yahoo.in

Phone: +91 9866500604

#### Dr. Anshika Sharma

E-Mail: anshi1986@rediffmail.com

Phone: 9760199007

#### Tanisha Jain

E-Mail: tanishajainn225@gmail.com

Phone: 8859976883

### **Arpit Dhawan**

E-Mail: <a href="mailto:glee.dhawan@gmail.com">glee.dhawan@gmail.com</a>

Phone: 9950707962

# Problem Statement

- ChemX is a new company which aims at gaining the covid19 vaccine market share.
- The maximum revenue generated is a key target, as well as providing vaccine to as many people as possible.
- ChemX would not want to tap into the markets where the revenue could fall short of cost of operations.
- The price range of competitor's vaccine is in the range of Rs. 800 Rs. 3000 per person.

#### Objective:

- Where are the best opportunities for ChemX?
- Prepare a chart for the number of ChemX Vaccine distribution across the top 5 states.
  (Distribution is only done through Govt and Private Hospitals)
- What should be the optimal pricing for the vaccine?
- What should be the optimal marketing and finance plan?

#### Note:

- \*Foreign Investment in Covid19 vaccine is null.
- \* One person requires one dose for complete vaccination.

## Data

Coronavirus Outbreak in India - covid19india.org

### Sorted at Active Cases (Ascending) as of 20-Feb-2021

State/UT	Confirmed	= Active	Recovered	Deceased	Other (i)	Tested	Vaccine Doses Administered	Active Ratio	Recovery Ratio	Case Fatality Ratio	Test Positivity Ratio	Population
Kerala	<b>↑4,650</b> 10,30,588	58,609	<b>↑5,841</b> 9,67,630	↑13 4,075	274	↑66K 1.1Cr	<b>↑12.8K</b> 4.4L	5.7%	93.9%	0.4%	9.4%	3.5Cr
Maharashtra	<mark>↑6,281</mark> 20,93,913	48,439	<b>†2,567</b> 19,92,530	↑40 51,753	1,191	↑64.4K 1.6Cr	<b>162.3К</b> 9.2L	2.3%	95.2%	2.5%	13.4%	12.2Cr
Karnataka	<mark>↑490</mark> 9,47,736	5,978	↑389 9,29,447	↑5 12,292	19	↑58.4K 1.8Cr	↑24.9K 6.5L	0.6%	98.1%	1.3%	5.2%	6.6Cr
Tamil Nadu	<b>1438</b> 8,47,823	4,120	<b>↑459</b> 8,31,246	↑6 12,457	0	↑51K 1.7Cr	<b>↑20.6K</b> 3.7L	0.5%	98%	1.5%	5%	7.6Cr
West Bengal	<mark>↑193</mark> 5,73,580	3,579	<b>↑235</b> 5,59,755	↑4 10,246	0	↑20.5K 84.1L	↑32.1K 6.8L	0.6%	97.6%	1.8%	6.8%	9.7Cr
Chhattisgarh	<mark>↑263</mark> 3,10,732	3,102	<b>↑198</b> 3,03,835	↑2 3,795	0	↑22K 46.5L	<b>↑14.7K</b> 3.6L	1%	97.8%	1.2%	6.7%	2.9Cr
Punjab	↑352 1,78,111	2,883	<b>1,69,480</b>	↑8 5,748	0	↑20K 48.3L	↑6.8K 1.4L	1.6%	95.2%	3.2%	3.7%	3Cr
Uttar Pradesh	<b>↑114</b> 6,02,706	2,433	<b>↑200</b> 5,91,559	↑2 8,714	0	3Cr	11.5L	0.4%	98.2%	1.4%	2%	22.5Cr
Madhya Pradesh	<mark>↑257</mark> 2,59,128	1,994	<b>↑213</b> 2,53,284	↑4 3,850	0	↑14.3K 56.6L	<b>↑18.2K</b> 6.4L	0.8%	97.7%	1.5%	4.6%	8.2Cr
Telangana	<b>↑157</b> 2,97,435	1,715	<b>↑157</b> 2,94,097	1,623	0	↑23.7K 84.3L	<b>↑1.8K</b> 3.7L	0.6%	98.9%	0.5%	3.5%	3.7Cr
Gujarat	<mark>↑258</mark> 2,66,821	1,672	<b>↑270</b> 2,60,745	4,404	0	↑30.9K 1.1Cr	<b>↑25.4K</b> 8.8L	0.6%	97.7%	1.7%	2.3%	6.8Cr
Rajasthan	<mark>↑98</mark> 3,19,461	1,300	<b>↑66</b> 3,15,376	↑1 2,785	0	↑17.5K 61.8L	<b>↑21.3K</b> 8.2L	0.4%	98.7%	0.9%	5.2%	7.7Cr
Delhi	<mark>↑152</mark> 6,37,755	1,025	<b>↑179</b> 6,25,832	↑1 10,898	0	↑62.1K 1.2Cr	↑26.1K 3.1L	0.2%	98.1%	1.7%	5.4%	2Cr
Haryana	<b>↑111</b> 2,69,609	816	<b>↑108</b> 2,65,751	3,042	0	↑17.1K 55.4L	<b>↑5.6K</b> 2.3L	0.3%	98.6%	1.1%	4.9%	2.9Cr
Jammu and Kashmir	<b>↑68</b> 1,25,783	700	<b>↑70</b> 1,23,129	1,954	0	↑26.2K 49.9L	↑12.3K 2.1L	0.6%	97.9%	1.6%	2.5%	1.3Cr
Andhra Pradesh	<mark>↑54</mark> 8,89,210	604	<b>↑70</b> 8,81,439	7,167	0	↑26.4K 1.4Cr	↑23.7K 4.9L	0.1%	99.1%	0.8%	6.5%	5.2Cr
Odisha	<mark>↑65</mark> 3,36,578	558	<b>↑73</b> 3,34,053	1,967	0	↑23.8K 81.5L	<b>↑31.4K</b> 5.3L	0.2%	99.2%	0.6%	4.1%	4.4Cr
Bihar	<b>↑57</b> 2,62,066	501	<b>↑57</b> 2,60,030	↑2 1,534	1	↑32K 2.2Cr	<b>↑10.9K</b> 5.6L	0.2%	99.2%	0.6%	1.2%	12Cr
Goa	<mark>↑57</mark> 54,523	493	<b>↑62</b> 53,243	787	0	↑1.8K 4.8L	<b>↑1.2K</b> 16.2K	0.9%	97.7%	1.4%	11.3%	15.4L
Jharkhand	<mark>↑37</mark> 1,19,565	459	<b>↑45</b> 1,18,022	1,084	0	↑15.6K 54.3L	<b>↑7.2K</b> 2.6L	0.4%	98.7%	0.9%	2.2%	3.7Cr

Where are the best opportunities for ChemX?

#### Answer:-

The best opportunity for ChemX will be where the number of Active COVID-19 cases are most prevailing in INDIA. By considering the top 10 States of India (According to the data in slide 4), we can also make sure that

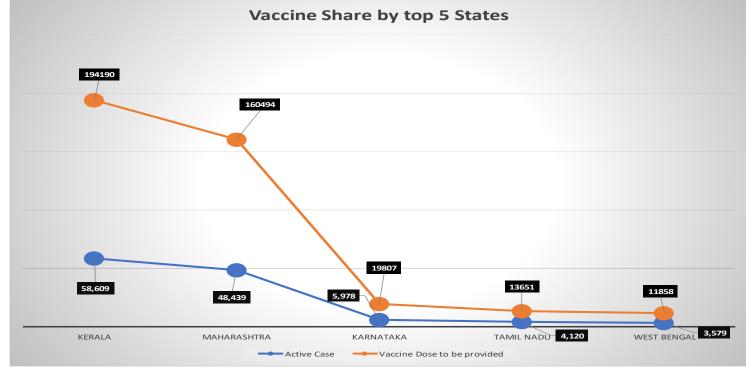
- There will be a decrease in the operations cost.
- As the population in these states are high, maximum people will be vaccinated and it will maximize the revenue of the company

 Prepare a chart for the number of ChemX Vaccine distribution across the top 5 states. (Distribution is only done through Govt and Private Hospitals)

**Answer**:- The following table and chart shows vaccine share for

top 5 states as per the active COVID-19 cases.

Covid-19 Cases						
	Active	Active Case	Vaccine Dose to be			
Top 5 States	Case	Share	provided			
Kerala	58,609	0.49	194190			
Maharashtra	48,439	0.40	160494			
Karnataka	5,978	0.05	19807			
Tamil Nadu	4,120	0.03	13651			
West Bengal	3,579	0.03	11858			
Total			400000			



What should be the optimal pricing for the vaccine?

**Answer**:- Considering the optimal price should be average of Market prices

Minimum Market Cost	800
Maximum Market Cost	3000
Average Market Cost	1900

ChemX Cost Should be (per dose)	1900
ChemX Profit (20%)	380
ChemX Ops (35%)	665
Medicine Cost (45%)	855

What should be the optimal marketing and finance plan?

#### Answer:-

#### Marketing Plan:

- Collaboration with Indian Government
- Sharing research and trial data to public
- Doing advertisement on top 10 States
- Providing Free doses to Hospital Staff
- Insurance cover and compensation for any side effects

#### Finance Plan

- Financial Goals:
  - Short term
  - Medium Term
  - Long Term
- Budget and Cashflow planning
- Insurance and Risk Management
- Taxation planning
- Net Worth statement Total Asset, liabilities included
- Contingency funds

### Thank You

