

VACCINE DISTRIBUTION & MANAGEMENT SYSTEM (Report & Visualization)

GROUP:8

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Content

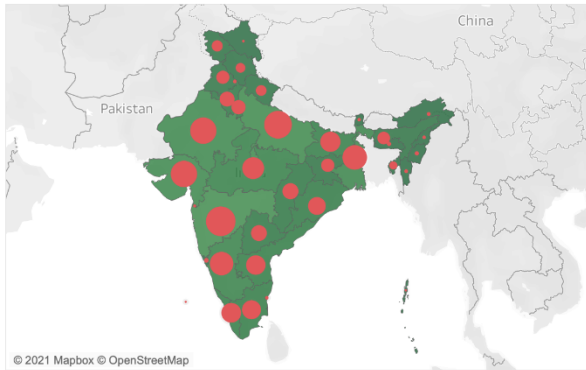
1. State Data
2. Vaccine Data
3. Vaccine Demand Analysis

State Data:

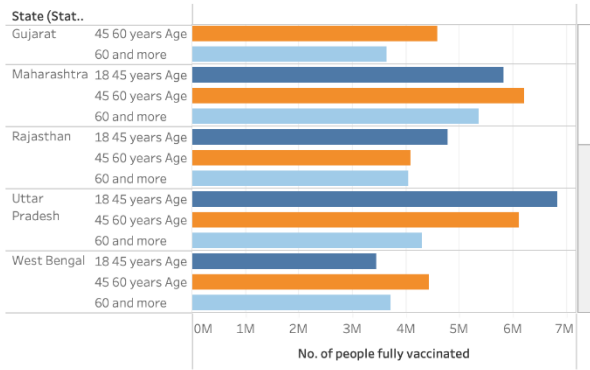
| Admin/State | Sum of Total Infected | Sum of Total Vaccinated |
|------------------------------------------|-----------------------|-------------------------|
| Abhishek | 3878447800 | 3857306063 |
| Meghalaya | 43879723 | 41445674 |
| Mizoram | 33969954 | 31490503 |
| Nagaland | 29704277 | 27693394 |
| Odisha | 763390693 | 760887775 |
| Puducherry | 29397275 | 27114043 |
| Punjab | 416562358 | 414182210 |
| Rajasthan | 1665958713 | 1663653177 |
| Sikkim | 28595758 | 25897087 |
| Tamil Nadu | 866989049 | 864942200 |
| Ajinkya | 2994252402 | 2979149781 |
| Dadra and Nagar Haveli and Daman and Diu | 21213701 | 18260124 |
| Delhi | 486119953 | 484044354 |
| Goa | 52246815 | 50051368 |
| Gujarat | 1668824058 | 1665839883 |
| Haryana | 538956218 | 536137585 |
| Himachal Pradesh | 226891657 | 224816467 |
| Ameya | 2985184368 | 2968715082 |
| Andaman and Nicobar Islands | 13353464 | 11328986 |
| Andhra Pradesh | 914484971 | 912176783 |
| Arunachal Pradesh | 36480033 | 33915468 |
| Assam | 385753131 | 383430299 |
| Bihar | 984384274 | 981851927 |
| Chandigarh | 33324123 | 31023221 |
| Chhattisgarh | 617404372 | 614988398 |
| Ashay | 24735711264 | 24721789586 |
| Grand Total | 20406887911 | 20404171546 |
| Telangana | 608874048 | 606720187 |
| Tripura | 159517684 | 157417885 |
| Uttar Pradesh | 1838988268 | 1836649011 |
| Uttarakhand | 276166763 | 273769984 |
| West Bengal | 1445276590 | 1443060973 |
| Mohit | 6302656249 | 6281382580 |
| Jammu and Kashmir | 299846068 | 297592817 |
| Jharkhand | 427955639 | 425508266 |
| Karnataka | 1325158235 | 1322772314 |
| Kerala | 936292226 | 934050209 |
| Ladakh | 17443526 | 14771706 |
| Lakshadweep | 5298541 | 3261957 |
| Madhya Pradesh | 1151763160 | 1149551654 |
| Maharashtra | 2095594836 | 2093453169 |
| Manipur | 43304018 | 40420488 |
| Grand Total | 40896252083 | 40808343092 |

Table.I: Area Admin and their State Statistics

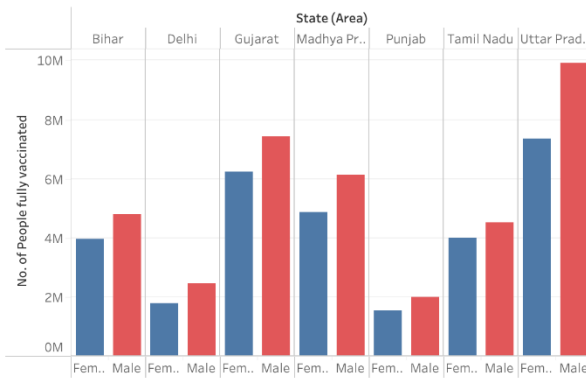
Vaccinated/Infected Records



Age Groups of People Fully Vaccinated



Gender of People Fully Vaccinated



Hospitals

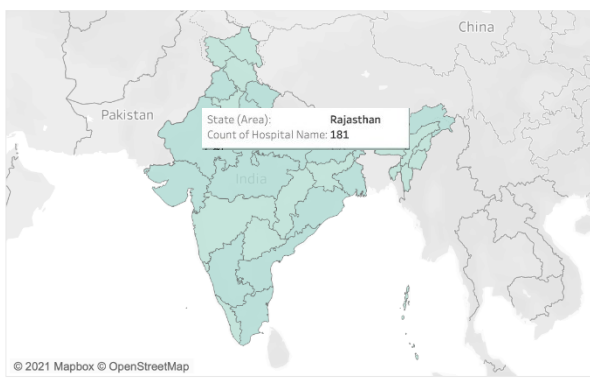


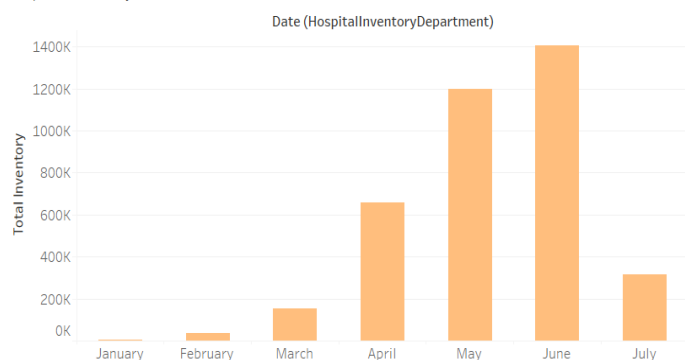
Fig.1: State Data
1. Age wise bifurcation
2. Gender wise bifurcation

Vaccine Demand Analysis

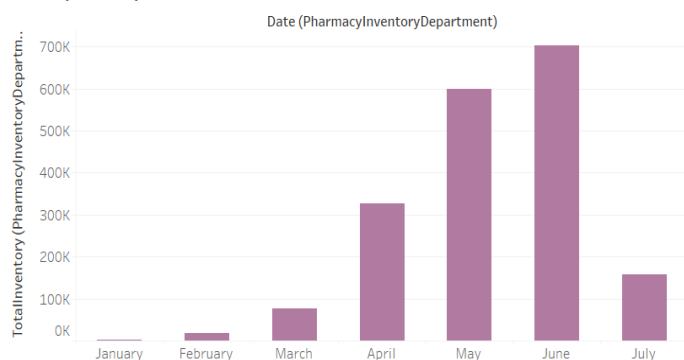
| Row Labels | Sum of Hospital | Sum of Pharmacy | Sum of Vaccination Centre |
|--------------------|-----------------|-----------------|---------------------------|
| Jan | 6177 | 3045 | 9396 |
| Feb | 36576 | 18209 | 55069 |
| Mar | 153590 | 76699 | 230543 |
| Apr | 655581 | 327703 | 983544 |
| May | 1196867 | 598367 | 1795521 |
| Jun | 1407382 | 703616 | 2111256 |
| Jul | 313550 | 156750 | 470479 |
| Grand Total | 3769723 | 1884389 | 5655808 |

Table.2: Vaccine Distributor Demand vs Month

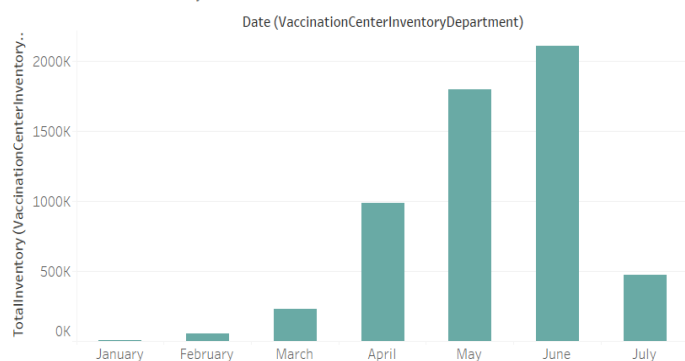
Hospital Inventory Vs Month



Pharmacy Inventory Vs Month



Vaccination Center Inventory Vs Month



Vaccine Manufacturer Inventory Vs Month

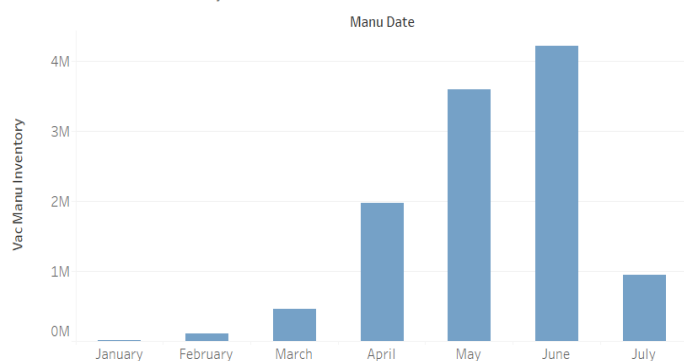


Fig.2: Vaccine Data

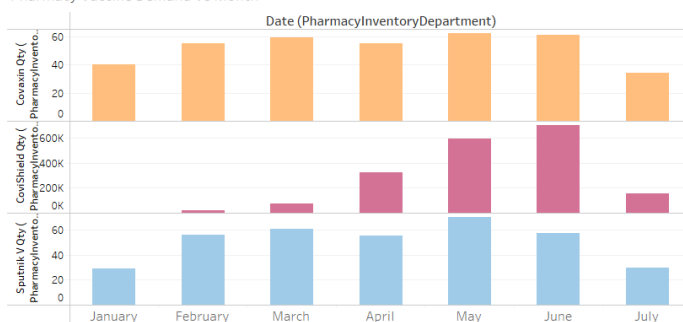
1. Total Hospital Inventory vs Month
2. Total Pharmacy Inventory vs Month
3. Total Vaccination Centre Inventory vs Month
4. Total Vaccine Manufacturer Inventory vs Month

Vaccine Data

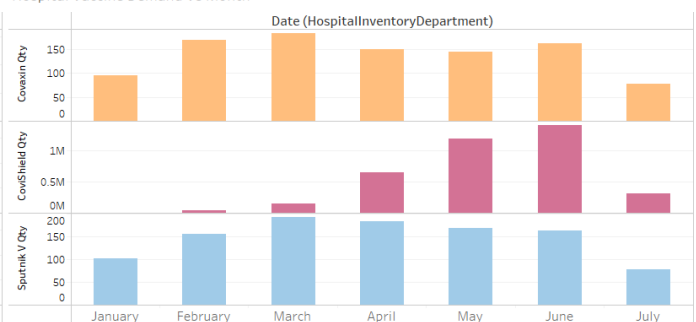
| Month | CovaVax | CoviShield | Sputnik |
|--------------------|-------------------|--------------------|----------------|
| Jan | 300873 | 18464038 | 0 |
| Feb | 19816635 | 196279737 | 0 |
| Mar | 95484092 | 968639159 | 0 |
| Apr | 304573682 | 3077309391 | 0 |
| May | 577918431 | 5049257342 | 34877 |
| Jun | 950675694 | 7024539152 | 1092839 |
| Jul | 255155364 | 1820963605 | 666826 |
| Grand Total | 2203924771 | 18155452424 | 1794542 |

Table.3: Vaccine Administered vs Month

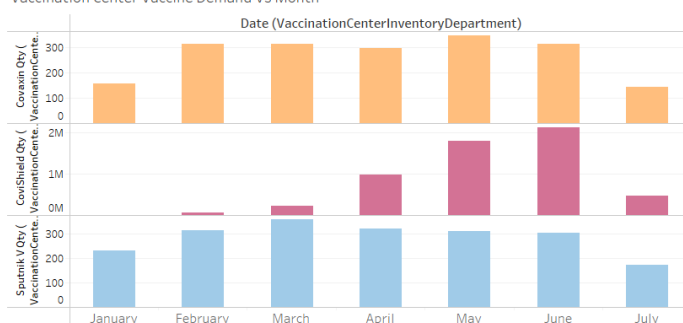
Pharmacy Vaccine Demand Vs Month



Hospital Vaccine Demand Vs Month



Vaccination Center Vaccine Demand Vs Month



Vaccine Manufacturer Vaccine Demand Vs Month

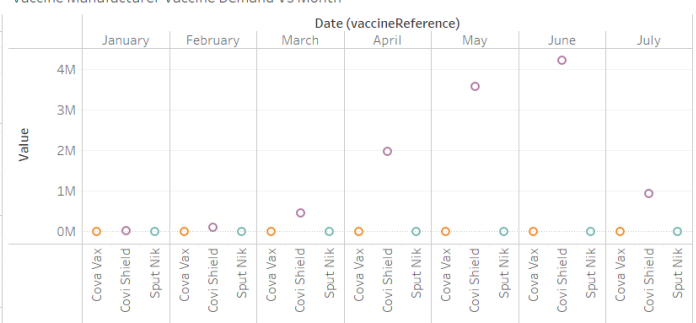


Fig.3: Vaccine Data

I. Vaccine Demand from distributor for each manufacturer vs Month