

COVID 19: Andhra Pradesh and Karnataka: Performance Analysis

September 2020

Project: Jeevan Raksha is a initiative of Proxima which focuses on Advocacy, Analytics, and Awareness in the area of healthcare

Mission: Actively contribute towards **Right to Health** as constitutional right of Indian citizen

Project: Jeevan Raksha has been in the forefront of providing sharper analytical insights on emerging pattern of COVID 19 in India to the Central / State Government administrations and general public. The contribution is appreciated by many state Governments.

Project: Jeevan Raksha acknowledges the technical support and guidance of Indian Medical Association (**IMA**) and Public Health Foundation of India (**PHFI**)



satyam-eva jayate, Truth alone triumphs, was adopted as the national motto of India on 26 January 1950

In COVID management, **Truthiness** in the disclosed data (data integrity) of Testing, Positivity, Recovery, and Fatality; or **truthfulness** of a individual about his/her (including family) health condition, is vital for India's efforts to save lives of the people.

A Robust, universally applicable and Scalable Management System is vital to manage Communicable Disease

The management of communicable diseases without clear medical solutions in the vicinity, requires effective data mining, analysis, and appropriate inferences of the virus spread in order to achieve the following key objectives:

- **Assessment:** Assess and examine the velocity of the virus spread and pattern of infection in the given region.
- **Measurement:** Effectively measure the outcome of the various intervention
- **Forecast:** Based on the various critical data pattern, extrapolate the trend which would facilitate the administration to ramp-up the required resources

Proxima Pandemic & Epidemic Management System



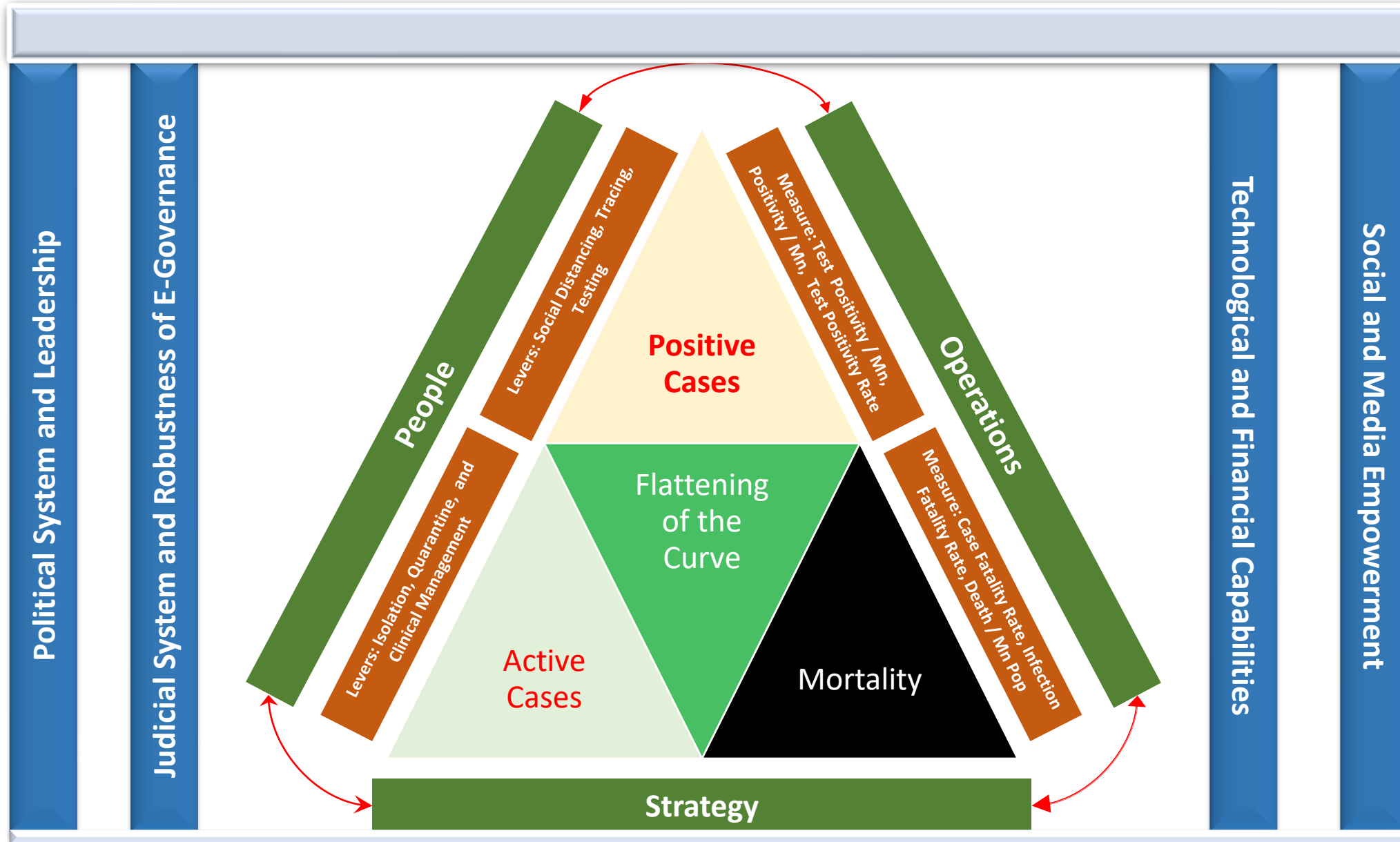
In an Pandemic / Epidemic, the virus spreads linearly and rapidly. The strategy to manage and flatten the growth of the virus depends on various systematic and unsystematic drivers.

Therefore, strategy formulation should factor the following:

- Political System and Leadership; Judicial system and robustness of e-Governance; Technological and financial capabilities; and more importantly social and media empowerment.
- There must be complete synergy between 3 critical processes – Strategy, People, and Operations. In case if any of these processes are weak, then there are chances of ending up with poor results
- The flattening of the curve of virus growth will happen only the levers are used effectively and efficiently.
- Robust review mechanism: The Control rooms must have strong process and systems which provides real-time right and appropriate data and analysis which helps the decisions makers to take appropriate and timely decisions.

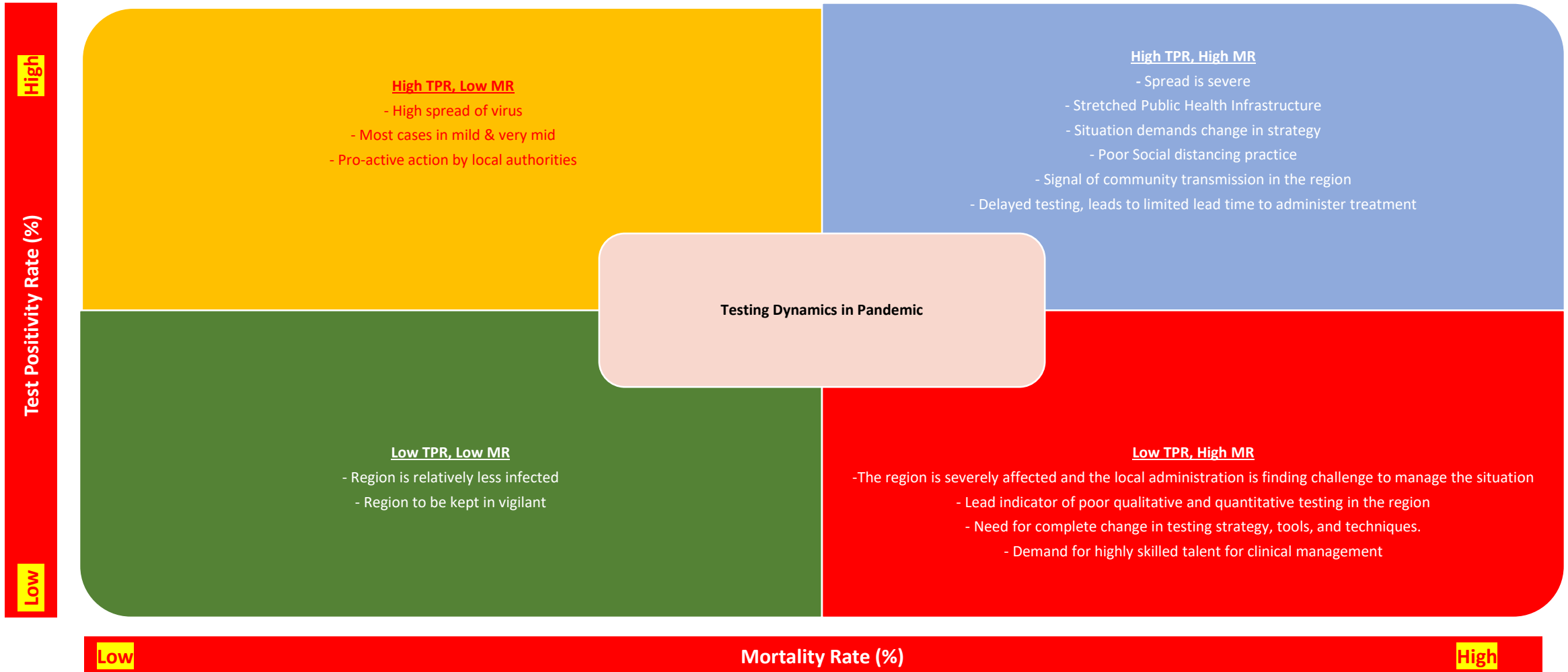
Proxima Pandemic & Epidemic Management System (PPMS)

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Proxima Virus Spread Assessment Matrix (VAM)

Each position in the matrix demands appropriate strategy and suitable competences to execute effectively



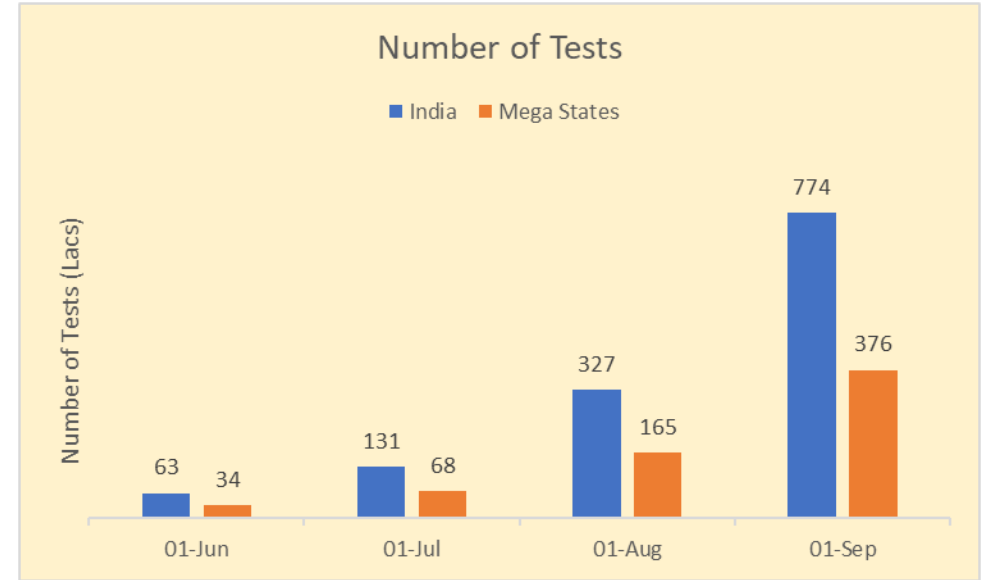
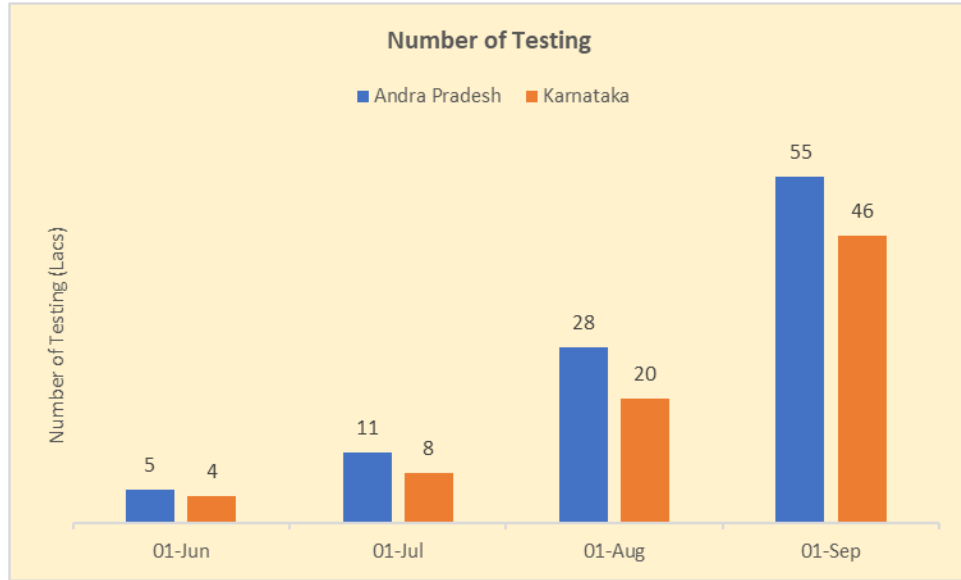
COVID 19: Growth Pattern: Positive Cases and Mortality

COVID Positive Cases Growth Pattern				
	13-Jun	11-Jul	15-Aug	26-Sep
Andra Pradesh	5858	27235	281817	668751
Karnataka	6824	36216	219926	566023
India	321646	839752	2590501	4657405
Mega States	182426	479046	1590627	3726792

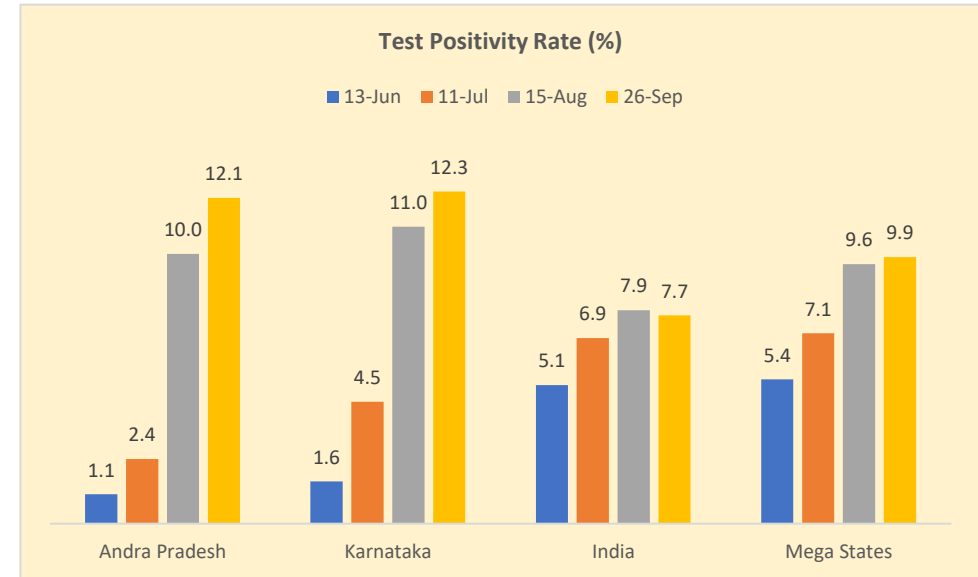
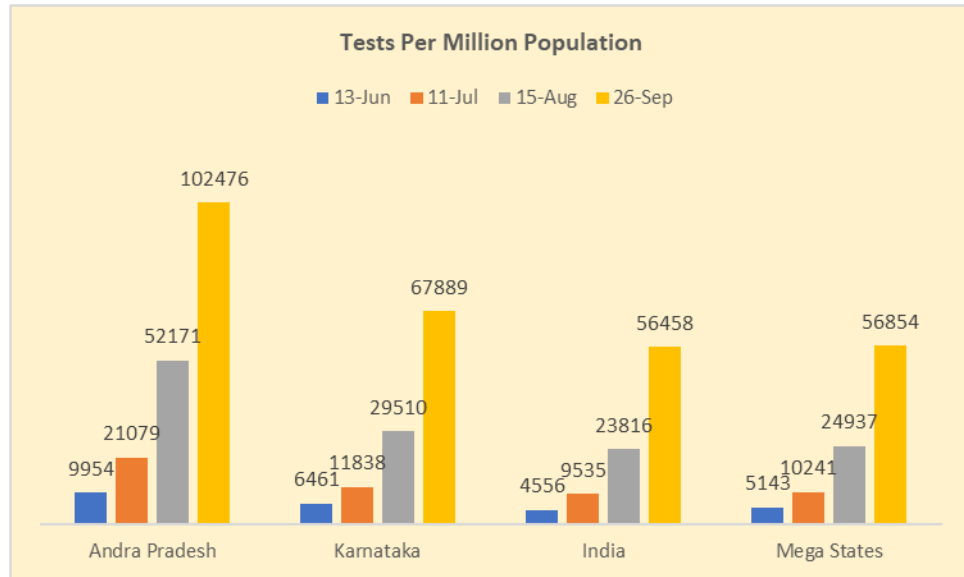
COVID Deaths Pattern				
	13-Jun	11-Jul	15-Aug	26-Sep
Andra Pradesh	82	309	2562	5663
Karnataka	82	615	3832	8503
India	9199	22699	50099	94534
Mega States	6475	15220	33941	63563

Date	COVID 19 Management: Milestones
13-Jun	Unlock 1.0: Week 2
11-Jul	Unlock 2.0: End of Week 2
15-Aug	Unlock 3.0: End of Week 2
26-Sep	Unlock 4.0: End of Week 4

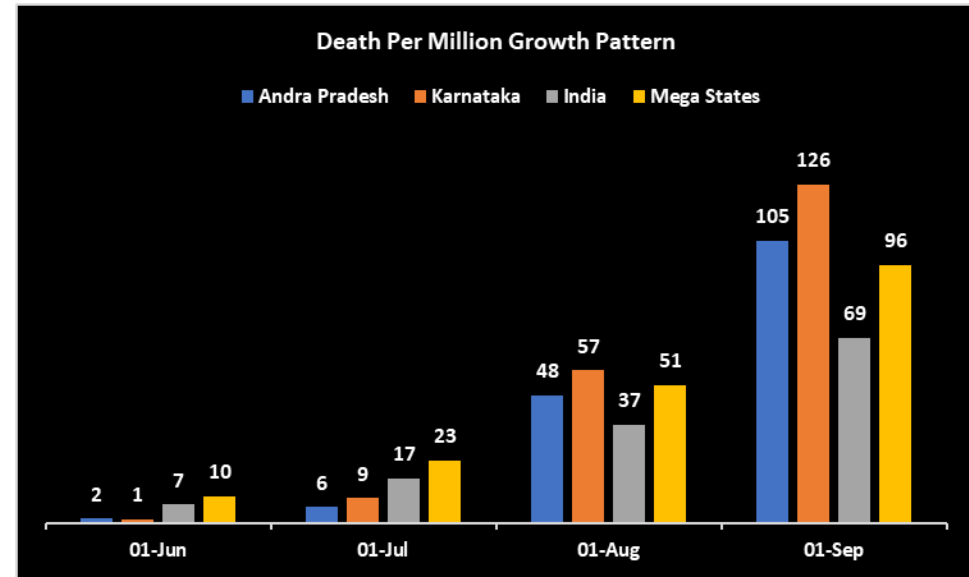
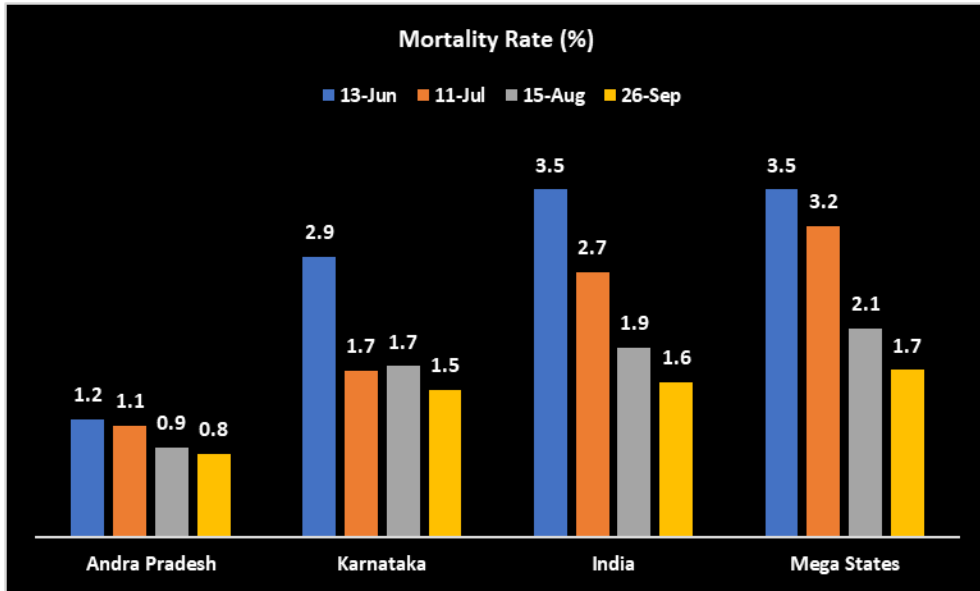
COVID 19: Testing Pattern: AP, KAR, India, and Mega States



COVID 19: Testing Pattern: AP, KAR, India, and Mega States



COVID 19: Mortality: AP, KAR, India, and Mega States



Data source and disclaimer

1. The data collated and analysed based on secondary data. The primary sources are:
<https://www.mohfw.gov.in/> <https://www.covid19india.org/> www.google.com; www.wikipedia.org;
<https://www.worldometers.info/coronavirus/#countries> / <https://worldpopulationreview.com/world-cities>
2. Information related to current status of Telangana and its districts are not available in the public domain. Therefore, readers of this report need to factor the same for further inferences.
3. The user of this presentation is advised to revalidate the shared data from authorised public institutions.

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Thank you