

COVID 19: Karnataka Active Cases Analysis

October 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



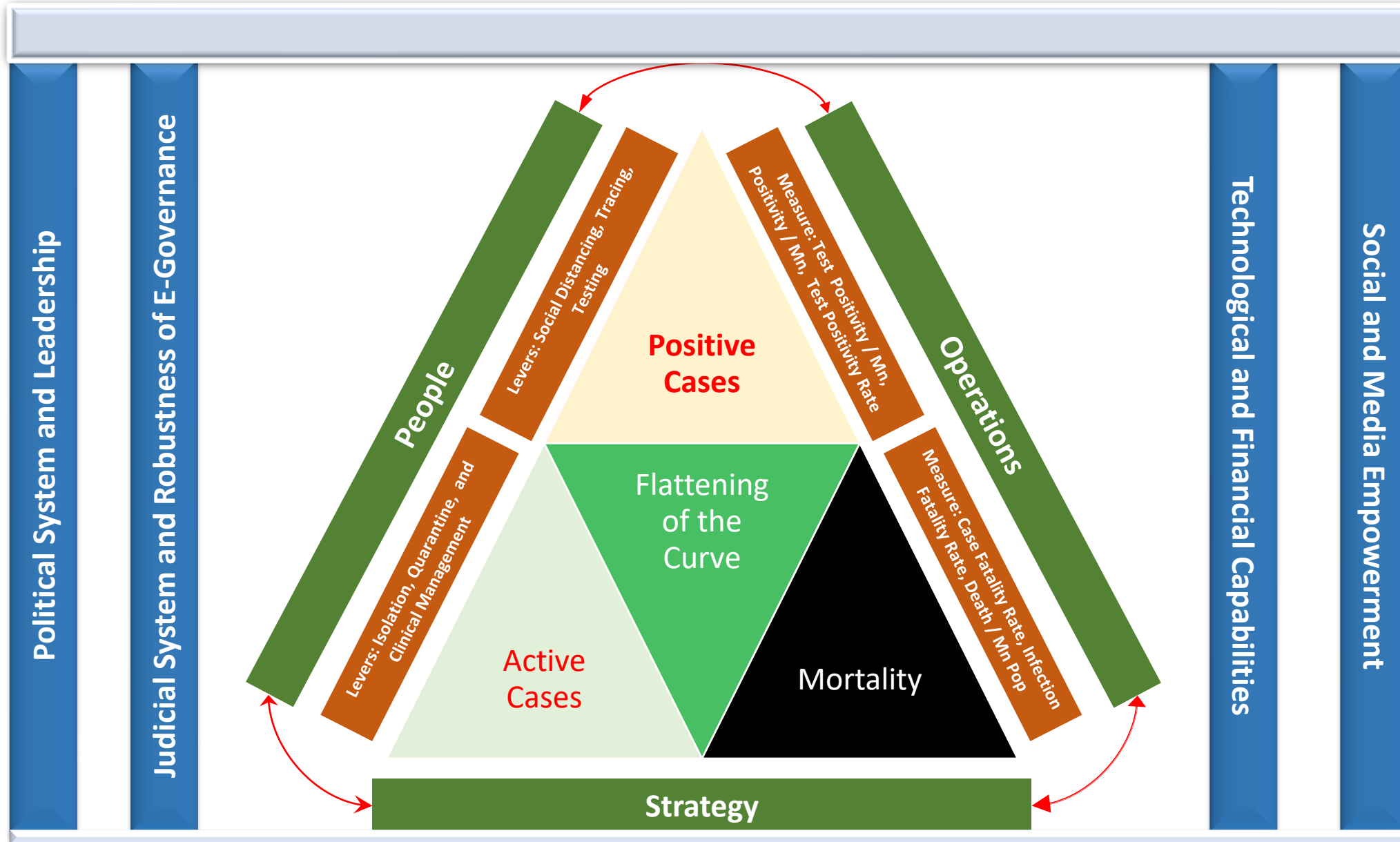
In an Pandemic / Epidemic, the virus spreads linearly and rapidly. The strategy to manage and flatten the growth of the virus depends on various systematic and unsystematic drivers.

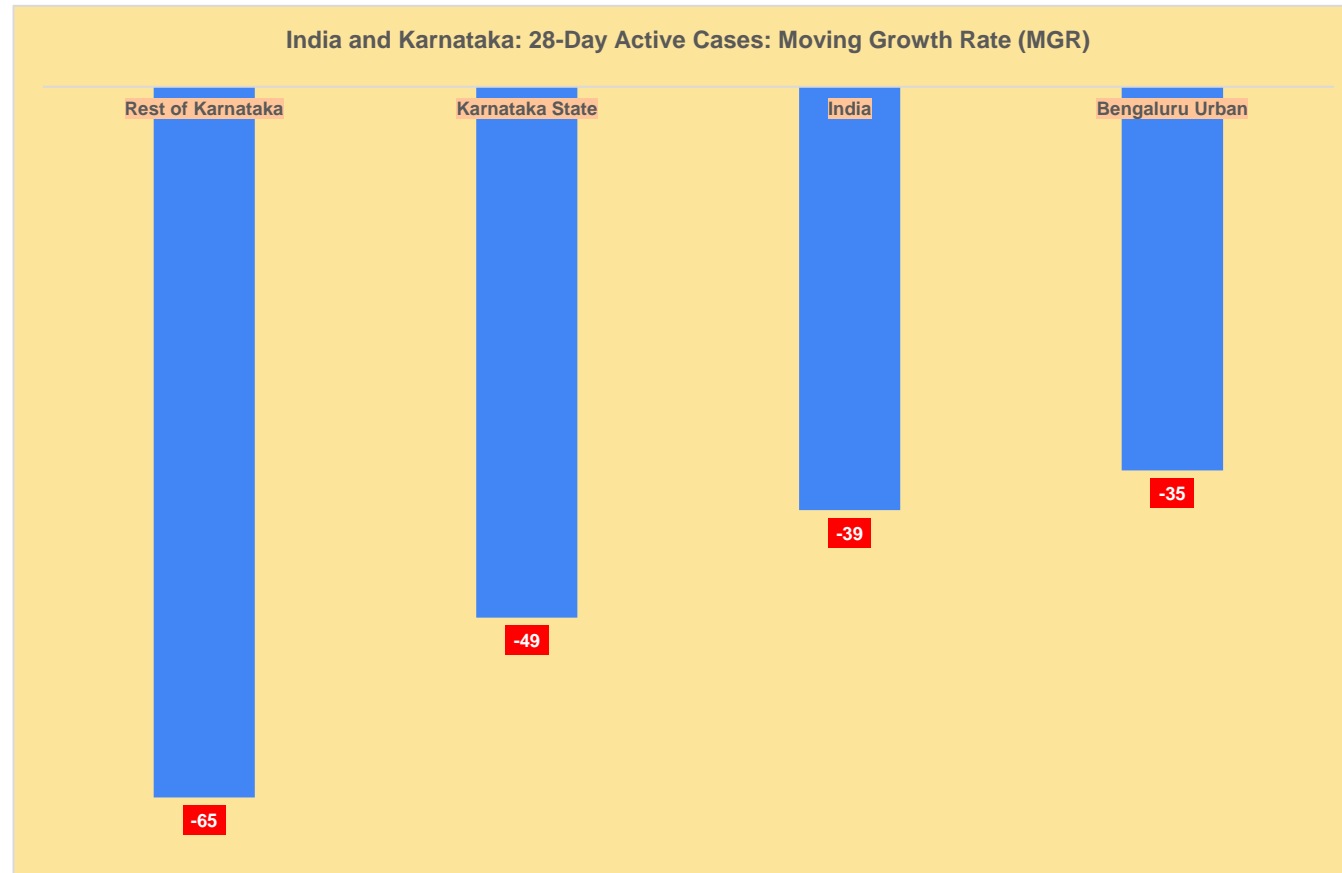
Therefore, strategy formulation should factor the following:

- 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.

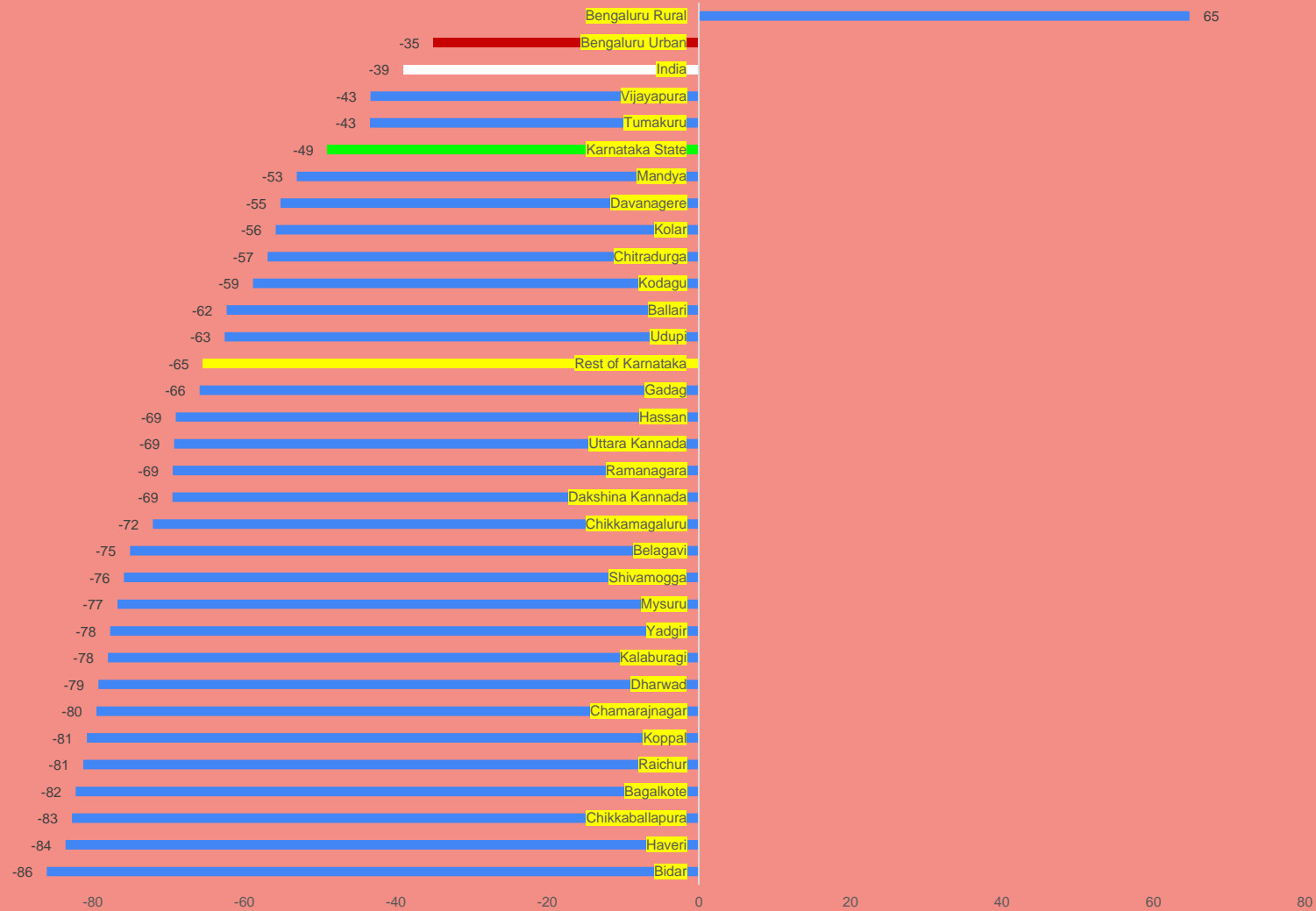
Proxima Pandemic & Epidemic Management System (PPMS)

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Karnataka: Districtwise: Active Cases 28 Day: MGR (%): October 2020



Karnataka: Active Cases: 28-Day: MGR (%): October			
Districts	03-Oct	31-Oct	28 Day: MGR
Bengaluru Rural	1990	3279	65
Vijayapura	930	527	-43
Mandya	1920	901	-53
Chitradurga	1414	609	-57
Tumakuru	2841	1608	-43
Udupi	1973	738	-63
Kodagu	503	207	-59
Kolar	1108	489	-56
Hassan	3863	1195	-69
Chikkamagaluru	1787	499	-72
Uttara Kannada	2641	811	-69
Ramanagara	760	232	-69
Dakshina Kannada	5742	1752	-69
Chamarajnar	1134	232	-80
Mysuru	7028	1633	-77
Gadag	616	210	-66
Chikkaballapura	1949	336	-83
Yadgir	1036	231	-78
Ballari	2852	1074	-62
Davanagere	1494	669	-55
Belagavi	2103	524	-75
Shivamogga	2787	672	-76
Dharwad	2620	543	-79
Kalaburagi	2258	496	-78
Raichur	1575	295	-81
Haveri	1542	253	-84
Bagalkote	988	175	-82
Koppal	1599	307	-81
Bidar	438	61	-86
Rest of Karnataka	59491	20558	-65
Bengaluru Urban	53292	34459	-35
Karnataka State	107616	55017	-49
India	940641	570219	-39

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>
2. Updated testing data of 5 mega cities (Ahmedabad, Bengaluru, Chennai, Delhi, and Mumbai) are available in the public domain. Whereas, updated testing data of Kolkata and Hyderabad is not to be found by our researchers. The analysis of average testing data has limitation with respect to data of 5 mega cities. Therefore, readers of this report need to factor the same for further inferences.
3. 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.
4. All views and recommendations in the report are solely from Proxima only
5. The user of this presentation is advised to revalidate the shared data from authorised public institutions.

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Thank you