

COVID 19: Kerala October Performance Review

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



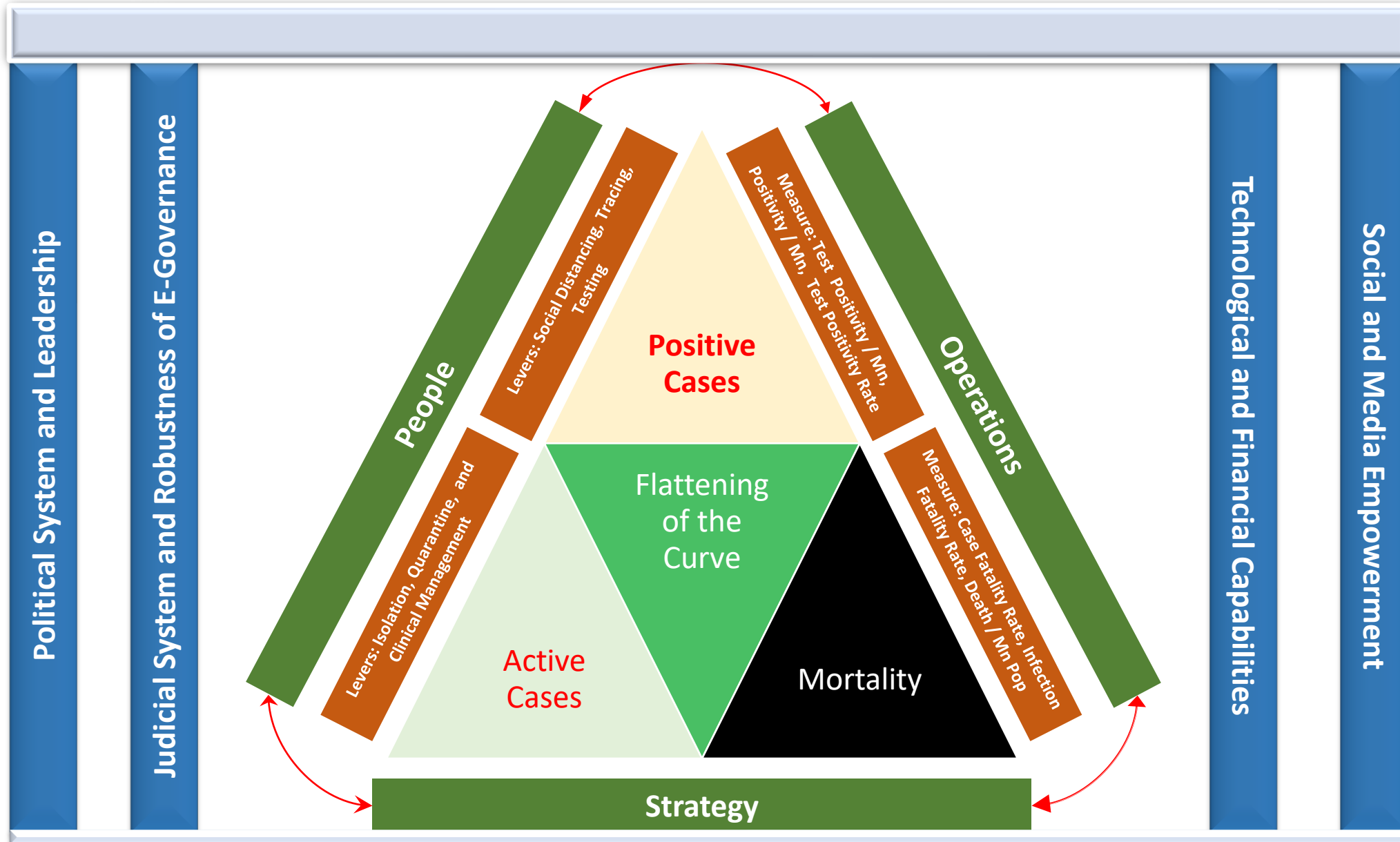
In an Pandemic / Epidemic, the virus spreads linearly and rapidly. The strategy to manage and flatten the growth of the virus depends on various systematic and unsystematic drivers.

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.

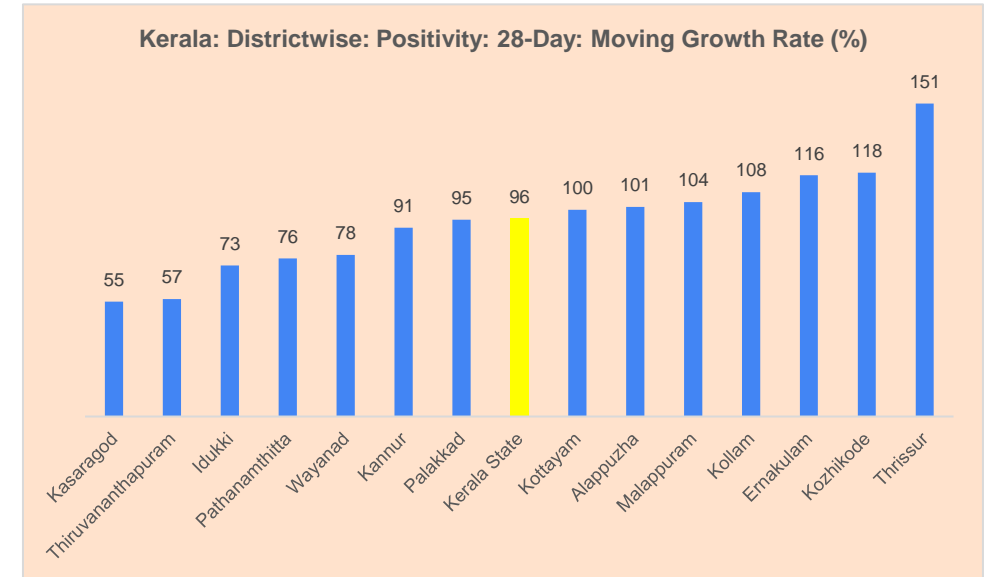
Proxima Pandemic & Epidemic Management System (PPMS)

JEEVAN RAKSHA
PROTECTING LIVES



Districtwise: Positivity: 28-Day: Moving Growth Rate (MGR) (%)

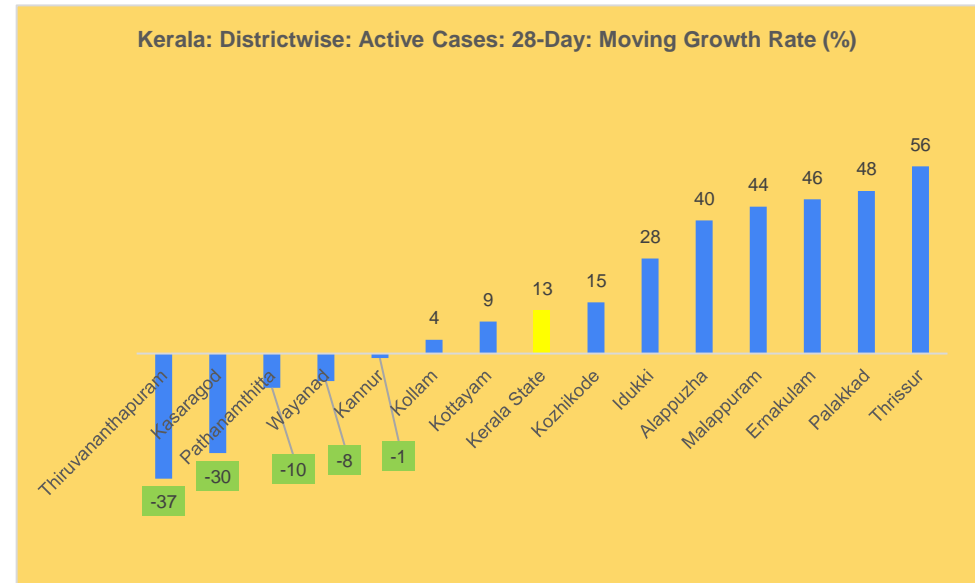
Kerala: Districtwise: Positivity: 28-Day: Moving Growth Rate (%)			
Districts	03-Oct	31-Oct	28-MGR (%)
Thrissur	15836	39760	151
Kozhikode	21978	47859	118
Ernakulam	21135	45747	116
Kollam	16063	33470	108
Malappuram	25500	51899	104
Alappuzha	16303	32793	101
Kottayam	11831	23633	100
Palakkad	13505	26343	95
Kannur	12970	24791	91
Wayanad	3975	7076	78
Pathanamthitta	8603	15175	76
Idukki	4164	7201	73
Thiruvananthapuram	37481	58720	57
Kasaragod	11990	18639	55
Kerala State	221334	433106	96



Districtwise: Active Cases: 28-Day: Moving Growth Rate (MGR) (%)



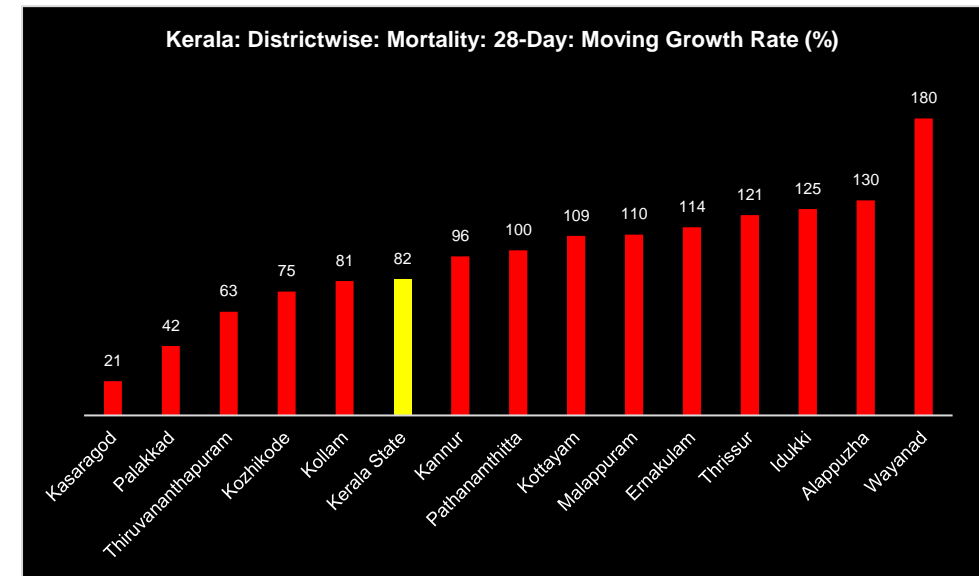
Kerala: Districtwise: Active Cases: 28-Day: Moving Growth Rate (%)			
Districts	03-Oct	31-Oct	28-MGR (%)
Thrissur	6791	10570	56
Palakkad	5277	7583	48
Ernakulam	9690	12423	46
Malappuram	6904	9634	44
Alappuzha	5550	8232	40
Idukki	1222	1782	28
Kozhikode	8661	9016	15
Kottayam	4870	5609	9
Kollam	7036	6461	4
Kannur	5423	5349	-1
Wayanad	1119	1005	-8
Pathanamthitta	2398	2625	-10
Kasaragod	3615	2269	-30
Thiruvananthapuram	12262	8636	-37
Kerala State	80818	91194	13



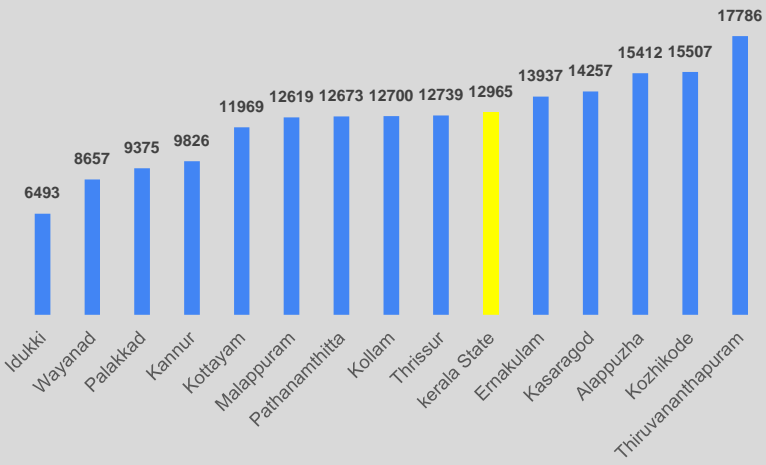
MGR is the percentage expression of growth of the value during the period as % of value at the beginning of the period

Districtwise: Mortality: 28-Day: Moving Growth Rate (MGR) (%)

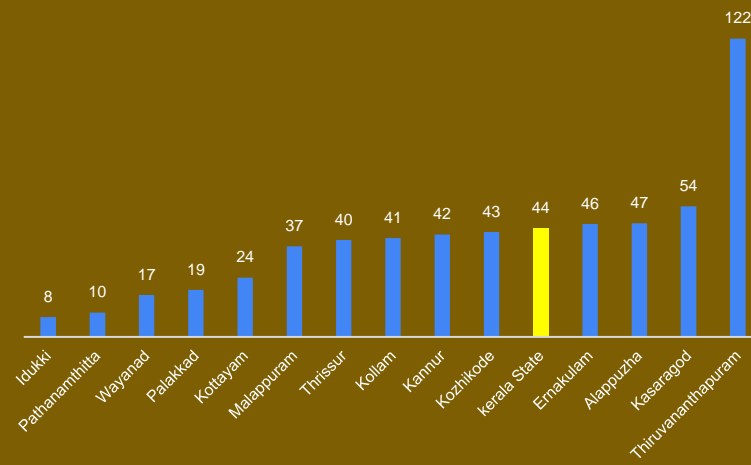
Kerala: Districtwise: Mortality: 28-Day: Moving Growth Rate (%)			
Districts	03-Oct	31-Oct	28-MGR (%)
Thrissur	56	124	121
Kozhikode	76	133	75
Ernakulam	71	152	114
Kollam	59	107	81
Malappuram	73	153	110
Alappuzha	43	99	130
Kottayam	23	48	109
Palakkad	38	54	42
Kannur	54	106	96
Wayanad	5	14	180
Pathanamthitta	6	12	100
Idukki	4	9	125
Thiruvananthapuram	248	404	63
Kasaragod	58	70	21
Kerala State	814	1485	82



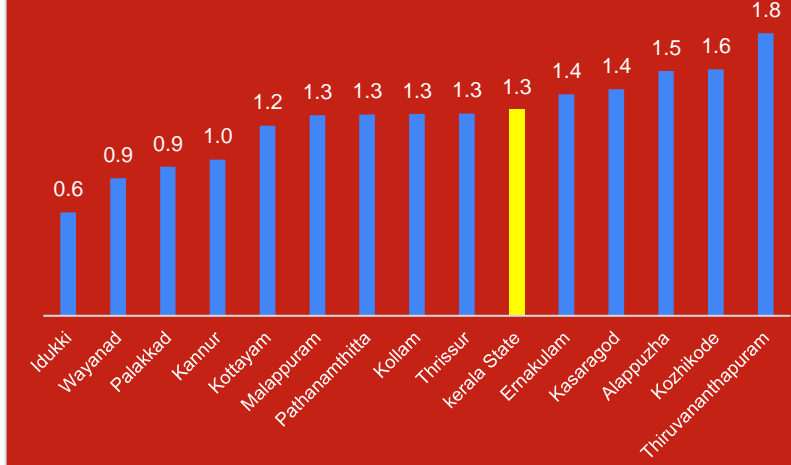
Positivity Per Million Population



Death Per Million Population



Population Positivity Rate (%)



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