

COVID 19: One Virus, One Nation, Diverse Performance

17 April 2021

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, media, and general public. The contribution is appreciated by many state Governments.

Project: Jeevan Raksha acknowledges the technical support and guidance of 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.

One Virus, One Country, Diverse Performance

Overview

- Andhra Pradesh, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Maharashtra, Punjab, Tamil Nadu, Telangana, and West Bengal
- Collectively has 70% and 74% of COVID Cases and Deaths respectively. 62% of COVID tests are carried out in this zone
- In 2021, Maharashtra increased its testing by 68% - too little, too late.
- only 24% (least amongst Mega States) added only 6%
- In Gujarat 42% of the COVID patients have claimed medical insurance for hospitalisation. The national average of number of people claiming insurance to COVID cases is only 8%.
- During the period 16 Mar – 15 April:
 - Mega States contributed 72% of COVID cases and death respectively in India
 - Maharashtra witnessed 55% increase of COVID cases, highest among mega states, on the other hand Andhra Pradesh and Kerala witnessed only 6% and 9% increase; further Tamil Nadu and Jammu and Kashmir witnessed only 4% increase in COVID cases.
 - Punjab witnessed highest rate of mortality growth rate of 26% followed by Gujarat and Himachal Pradesh of 15%. On the other hand Andhra Pradesh and West Bengal witnessed only 2% increase in mortality.
 - Assam and West Bengal witnessed relatively limited surge in COVID cases and mortality inspite of ongoing Assembly Elections
 - Data of Andhra Pradesh and Odisha indicates efficient and effective COVID management. In spite of sharp surge in COVID cases across India, these two states have experienced limited surge.

States which tested low and slow in 2020 are likely to experience maximum brunt in the 2nd wave

- Mega States Collectively has 70% and 74% share of COVID Cases and Deaths respectively. 62% of COVID tests are carried out in this zone
- In Gujarat 42% of COVID patients have claimed medical insurance for hospitalisation. The national average is only 8%.
- In 2021, Maharashtra increased its testing by 68%, but witnessed highest surge of cases in March/April. Whereas Andhra Pradesh and West Bengal increased the testing by only 24% and 27% whereas on the other hand COVID cases increased by 6% and 10% only
- Mega States: During the period 16 Mar – 15 April:
 - Mega States contributed 72% of COVID cases and death respectively in India
 - Maharashtra witnessed 55% increase of COVID cases, highest among mega states, on the other hand Andhra Pradesh and Kerala witnessed only 6% and 9% increase; further Tamil Nadu and Jammu and Kashmir witnessed only 4% increase in COVID cases.
 - Punjab witnessed highest rate of mortality growth rate of 26% followed by Gujarat and Himachal Pradesh of 15%. On the other hand Andhra Pradesh and West Bengal witnessed only 2% increase in mortality.

Mega States: 30 Day: Moving Growth Rate (MGR) Positivity and Mortality												
Mega States	16-Mar		15-Apr		Changes (+/-)		MGR		Testing		MGR (%)	% Insrance Claim to Total Cases
	Positive Cases	Deaths	Positive Cases	Deaths	Positive Cases	Deaths	Positive	Deaths	16-Jan	15-Apr		
Andhra Pradesh	892269	7185	942135	7353	49866	168	6	2	12540181	15570201	24	3
Gujarat	280051	4427	375768	5076	95717	649	34	15	10344324	15466550	50	42
Haryana	276080	3079	335800	3334	59720	255	22	8	4931662	6723968	36	10
Himachal Pradesh	59869	998	73353	1146	13484	148	23	15	881083	1360794	54	0
Jammu & Kashmir	127831	1976	142877	2046	15046	70	12	4	4234239	6648718	57	0
Karnataka	962339	12403	1109650	13112	147311	709	15	6	15789978	23170964	47	8
Kerala	1094295	4423	1197302	4857	103007	434	9	10	15884994	23170964	46	2
Maharashtra	2347328	52996	3639855	59153	1292527	6157	55	12	13743486	23036652	68	13
Punjab	201036	6137	286816	7722	85780	1585	43	26	4218130	6473869	53	5
Tamil Nadu	861429	12556	962935	12999	101506	443	12	4	15177094	20879495	38	8
Telangana	301522	1656	338045	1788	36523	132	12	8	7428389	11360001	53	17
West Bengal	578853	10297	636885	10480	58032	183	10	2	7621132	9674962	27	6
Mega States	7982902	118133	10041421	129066	2058519	10933	26	9	112794692	163537138	45	10
India	11438465	159079	14287926	174335	2849461	15256	25	10	185765491	263476625	42	8

States which tested low and slow in 2020 are likely to experience maximum brunt in the 2nd wave

- EAG States: During the period 16 Mar – 15 April:
 - Chhattisgarh increased testing in 2021 by 64%, highest rate of increase of testing amongst EAG states. This seems to be too little, too late. Chhattisgarh has witnessed highest rate of increase in positive cases (57%) and mortality (39%) over the last 30 days.
 - Odisha witnessed only 17 deaths, whereas its neighbouring state Chhattisgarh witnessed 1533 deaths, 44% of cumulative deaths in EAG States (3474) has occurred in Chhattisgarh.
 - During the period, positive cases increased in Odisha by only 6% and mortality by 1%. Amongst the better COVID managed states in India.
 - Uttar Pradesh contributed 1/5th of total deaths occurred in EAG States

EAG States: 30 Day: Moving Growth Rate (MGR) Positivity and Mortality %												
EAG States	16-Mar		15-Apr		Changes (+/-)		MGR		Testing		MGR (%)	% Insurance Claim to Total Cases
	Positive Cases	Deaths	Positive Cases	Deaths	Positive Cases	Deaths	Positive	Deaths	16-Jan	15-Apr		
Assam	217839	1099	222367	1123	4528	24	2	2	6255061	7731871	24	1
Bihar	263100	1553	301304	1675	38204	122	15	8	19818150	24944876	26	1
Chattisgarh	318830	3909	501500	5442	182670	1533	57	39	3922535	6416401	64	2
Jharkhand	120772	1094	151272	1320	30500	226	25	21	5035900	6292389	25	3
Madhya Pradesh	270208	3891	373518	4365	103310	474	38	12	5045476	6920606	37	9
Odisha	338323	1971	358342	1988	20019	17	6	1	7346098	9496291	29	1
Rajasthan	323461	2791	387950	3041	64489	250	20	9	5591844	7567748	35	8
Uttar Pradesh	605655	8750	766360	9480	160705	730	27	8	26086641	37590753	44	5
Uttarakhand	97931	1704	116244	1802	18313	98	19	6	1974851	3215093	63	2
EAG States	2556119	26762	3178857	30236	622738	3474	24	13	81076556	110176028	36	4
India	11438465	159079	14287926	174335	2849461	15256	25	10	186544868	263476625	41	8

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Thank you