

# Snapshot of Javeen Raksha COVID 19 Projections

**13 January 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.

# Snapshot of Javeen Raksha COVID 19 Projections

The projection was an effort to help the Central and State Government to examine and initiate necessary steps by effectively mobilising the required resources and achieve the core objective of reducing mortality.

Dear Sanjeev,

Thank you for sending your forecast. I am impressed that you have accurately forecast the growth in the last month. We will prepare for the scenario you have outlined for the next month.

Regards,

**T M Vijay Bhaskar IAS**

Chief Secretary

Government of Karnataka

19<sup>th</sup> August 2019

# COVID 19: Zonewise Projections and Actuals: Positivity and Mortality



30-Day COVID Cases Growth Projection																
Consolidated	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge Actual of Projected	12-Nov		%ge Actual of Projected	12-Dec		%ge Actual of Projected	12-Jan		%ge Actual of Projected
	Actuals	Projection	Actual		Projections	Actuals		Projections	Actuals		Projections	Actuals		Projections	Actuals	
Mega States	1852408	3245361	3279953	101	5229600	5002180	96	6503100	6025325	93	6800000	6712696	99	7235000	7155680	99
EAG States	538721	1146000	1065505	93	1765000	1681197	95	2115400	2027541	96	2315000	2306290	100	2523000	2465664	98
Micro States	32020	61400	66477	108	124700	113834	91	144100	142017	99	164100	159616	97	172600	166739	97
Union Territories	15424	34200	35722	104	59200	57342	97	72400	66713	92	76900	73308	95	78400	76841	98
Delhi	151928	185000	209748	113	330000	311188	94	400000	467028	117	675000	605470	90	660000	630892	96
<b>Total</b>	<b>2590501</b>	<b>4671961</b>	<b>4657405</b>	<b>100</b>	<b>7508500</b>	<b>7165741</b>	<b>95</b>	<b>9235000</b>	<b>8728624</b>	<b>95</b>	<b>10031000</b>	<b>9857380</b>	<b>98</b>	<b>10669000</b>	<b>10495816</b>	<b>98</b>

30-Day COVID Mortality Projection																
Consolidated	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge Actual of Projected	12-Nov		%ge og Actual of Projected	12-Dec		%ge og Actual of Projected	12-Jan		%ge og Actual of Projected
	Actuals	Projection	Actual		Projections	Actuals		Projections	Actual		Projections	Actual		Projections	Actual	
Mega States	39610	68268	61242	90	91525	85942	94	103605	98276	95	107500	106620	99	114500	112191	98
EAG States	5946	11325	10503	93	16950	16468	97	21480	20597	96	23500	23617	100	25785	25587	99
Micro States	185	345	555	161	1067	1076	101	1665	1501	90	1822	1772	97	2040	1920	94
Union Territories	170	389	539	139	1008	878	87	1110	1003	90	1128	1105	98	1275	1159	91
Delhi	4188	4700	4687	100	5500	5809	106	7000	7332	105	10300	9981	97	11500	10707	93
<b>Total</b>	<b>50099</b>	<b>85027</b>	<b>77526</b>	<b>91</b>	<b>116050</b>	<b>110173</b>	<b>95</b>	<b>134860</b>	<b>128709</b>	<b>95</b>	<b>144250</b>	<b>143095</b>	<b>99</b>	<b>155100</b>	<b>151564</b>	<b>98</b>

# COVID 19: Mega States: Projections and Actuals: Positivity



Mega States	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge og Actual of Projected	12-Nov		%ge og Actual of Projected	12-Dec		%ge og Actual of Projected	12-Jan		%ge og Actual of Projected
	Actuals	Projectio n	Actual		Projectio n	Actual		Projectio ns	Actual		Projectio ns	Actual		Projectio ns	Actual	
Andhra Pradesh	281817	580000	547686	94	875000	758951	87	900000	849705	94	900000	875025	97	890000	885234	<b>99</b>
Gujarat	77663	100000	110971	111	150000	152764	102	190000	184964	97	220000	226508	103	255000	253161	<b>99</b>
Haryana	46410	60000	88332	147	160000	143221	90	170000	193111	114	280000	251402	90	280000	265391	<b>95</b>
Himachal Pradesh	3993	7000	8784	125	17000	17578	103	25000	28183	113	50000	48951	98	70000	56596	<b>81</b>
Jammu & Kashmir	28021	50000	50712	101	100000	84031	84	100000	100968	101	120000	115626	96	125000	122764	<b>98</b>
Karnataka	219926	450000	440411	98	700000	717915	103	1000000	855912	86	925000	900214	97	930000	928806	<b>100</b>
Kerala	42885	90000	102255	114	200000	295133	148	660000	508257	77	660000	664633	101	785000	819766	<b>104</b>
Maharashtra	584754	1000000	1015681	102	1750000	1535315	88	1875000	1736329	93	1850000	1876699	101	1975000	1974488	<b>100</b>
Punjab	30041	62000	74616	120	150000	124535	83	150000	139869	93	160000	159579	100	175000	169479	<b>97</b>
Tamil Nadu	332105	520000	491571	95	675000	661264	98	820000	752521	92	810000	797693	98	825000	827614	<b>100</b>
Telangana	91361	91361	152602	NA	152600	213084	NA	213100	254666	120	290000	277151	96	295000	290309	<b>98</b>
West Bengal	113432	235000	196332	84	300000	298389	99	400000	420840	105	535000	519215	97	630000	562072	<b>89</b>
<b>Total</b>	<b>1852408</b>	<b>3245361</b>	<b>3279953</b>	<b>101</b>	<b>5229600</b>	<b>5002180</b>	<b>96</b>	<b>6503100</b>	<b>6025325</b>	<b>93</b>	<b>6800000</b>	<b>6712696</b>	<b>99</b>	<b>7235000</b>	<b>7155680</b>	<b>99</b>

## COVID 19: Mega States: Projections and Actuals: Mortality



Mega States	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge og Actual of Projected	12-Nov		%ge og Actual of Projected	12-Dec		%ge og Actual of Projected	12-Jan		%ge og Actual of Projected
	Actuals	Projectio n	Actual		Projectio n	Actuals		Projectio ns	Actual		Projectio ns	Actual		Projectio ns	Actual	
Andhra Pradesh	2562	6250	4779	76	7000	6256	89	7000	6837	98	7150	7052	99	7125	7133	<b>100</b>
Gujarat	2765	3000	3181	106	3600	3577	99	3900	3785	97	3950	4160	105	5500	4350	<b>79</b>
Haryana	528	700	932	133	1800	1592	88	2000	1979	99	2450	2710	111	3200	2964	<b>93</b>
Himachal Pradesh	18	25	70	280	175	246	141	375	405	108	650	793	122	1190	949	<b>80</b>
Jammu & Kashmir	527	1500	854	57	1300	1333	103	1700	1566	92	1800	1793	100	2060	1912	<b>93</b>
Karnataka	3832	6700	7067	105	11200	10314	92	12800	11474	90	12000	11939	99	12200	12149	<b>100</b>
Kerala	147	400	411	103	800	1026	128	2000	1797	90	2600	2595	100	3350	3348	<b>100</b>
Maharashtra	19749	31000	28724	93	44000	40514	92	48000	45682	95	49000	48139	98	50000	50151	<b>100</b>
Punjab	771	4000	2212	55	4800	3860	80	4800	4412	92	5200	5057	97	5800	5456	<b>94</b>
Tamil Nadu	5641	9000	8234	91	10500	10314	98	12200	11440	94	12150	11883	98	12200	12236	<b>100</b>
Telangana	693	693	950	137	950	1228	129	1230	1393	113	1550	1489	96	1525	1568	<b>103</b>
West Bengal	2377	5000	3828	77	5400	5682	105	7600	7506	99	9000	9010	100	10350	9975	<b>96</b>
<b>Total</b>	<b>39610</b>	<b>68268</b>	<b>61242</b>	<b>90</b>	<b>91525</b>	<b>85942</b>	<b>94</b>	<b>103605</b>	<b>98276</b>	<b>95</b>	<b>107500</b>	<b>106620</b>	<b>99</b>	<b>114500</b>	<b>112191</b>	<b>98</b>



## COVID 19: EAG States: Projections and Actuals: Positivity & Mortality



EAG States	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge og Actual of Projected	12-Nov		%ge og Actual of Projected	12-Dec		%ge og Actual of Projected	12-Jan		%ge og Actual of Projected
	Actuals	Projectio n	Actual		Projectio n	Actuals		Projectio ns	Actual		Projectio ns	Actual		Projectio ns	Actual	
Assam	75559	165000	138339	84	215000	195304	NA	195400	209835	107	215000	214584	100	220000	216690	<b>98</b>
Bihar	101906	225000	155445	69	200000	197000	99	230000	225500	98	245000	242748	99	260000	257335	<b>99</b>
Chattisgarh	15045	25000	58643	235	145000	145247	100	225000	207740	92	265000	255761	97	300000	290813	<b>97</b>
Jharkhand	22672	50000	59040	118	110000	93035	85	115000	105493	92	112000	111366	99	115000	117088	<b>102</b>
Madhya Pradesh	44433	75000	83619	111	145000	148298	102	200000	180997	90	210000	222397	106	250000	249553	<b>100</b>
Odisha	57126	120000	143117	119	250000	254662	102	335000	305986	91	335000	323364	97	333000	332331	<b>100</b>
Rajasthan	59979	100000	99036	99	150000	161184	107	225000	219327	97	285000	289999	102	325000	313718	<b>97</b>
Uttar Pradesh	150061	365000	299045	82	500000	439161	88	520000	505424	97	565000	564132	100	610000	594175	<b>97</b>
Uttarakhand	11940	21000	29221	139	50000	47306	95	70000	67239	96	83000	81939	99	110000	93961	<b>85</b>
<b>Total</b>	<b>538721</b>	<b>1146000</b>	<b>1065505</b>	<b>93</b>	<b>1765000</b>	<b>1681197</b>	<b>95</b>	<b>2115400</b>	<b>2027541</b>	<b>96</b>	<b>2315000</b>	<b>2306290</b>	<b>100</b>	<b>2523000</b>	<b>2465664</b>	<b>98</b>

EAG States	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge og Actual of Projected	12-Nov		%ge og Actual of Projected	12-Dec		%ge og Actual of Projected	12-Jan		%ge og Actual of Projected
	Actuals	Projecti on	Actual		Projecti on	Actuals		Projecti ons	Actual		Projecti ons	Actual		Projecti ons	Actual	
Assam	182	400	430	108	900	826	NA	830	958	115	1050	1000	95	1030	1064	<b>103</b>
Bihar	515	1100	797	72	1100	955	87	1100	1167	106	1350	1317	98	1440	1443	<b>100</b>
Chattisgarh	134	525	518	99	1600	1286	80	2350	2527	108	3100	3084	99	3500	3517	<b>100</b>
Jharkhand	229	500	532	106	900	798	89	1000	917	92	1000	995	100	1030	1048	<b>102</b>
Madhya Pradesh	1094	1500	1691	113	2500	2645	106	3600	3065	85	3350	3391	101	3630	3726	<b>103</b>
Odisha	386	800	658	82	1000	1093	109	1500	1536	102	2000	1855	93	1975	1947	<b>99</b>
Rajasthan	862	1200	1207	101	1650	1665	101	2150	2032	95	2400	2568	107	2930	2739	<b>93</b>
Uttar Pradesh	2393	5000	4282	86	6600	6438	98	7700	7302	95	8000	8056	101	8650	8514	<b>98</b>
Uttarakhand	151	300	388	129	700	762	109	1250	1093	87	1250	1351	108	1600	1589	<b>99</b>
<b>Total</b>	<b>5946</b>	<b>11325</b>	<b>10503</b>	<b>93</b>	<b>16950</b>	<b>16468</b>	<b>97</b>	<b>21480</b>	<b>20597</b>	<b>96</b>	<b>23500</b>	<b>23617</b>	<b>100</b>	<b>25785</b>	<b>25587</b>	<b>99</b>

## COVID 19: Micro States: Projections and Actuals: Positivity & Mortality

Micro States	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge og Actual of Projected	12-Nov		%ge og Actual of Projected	12-Dec		%ge og Actual of Projected	12-Dec		%ge og Actual of Projected
	Actuals	Projection	Actual		Projection	Actual		Projections	Actual		Projections	Actual		Projections	Actual	
Arunachal Pradesh	2658	4500	5825	129	11000	12367	112	19000	15701	83	17700	16504	93	16900	16782	99
Goa	11339	23500	23445	100	45000	38674	86	51000	45605	89	50000	49305	99	51500	51983	101
Manipur	4390	7500	7579	101	11000	13556	123	20000	21211	106	29000	27036	93	31500	28725	91
Meghalaya	1292	2250	3447	153	6000	7771	130	12400	10512	85	13300	12743	96	15000	13651	91
Mizoram	777	1600	1379	86	3700	2184	59	2600	3242	125	4300	4024	94	4200	4299	102
Nagaland	3340	7000	4946	71	10000	7240	72	9500	9615	101	10300	11676	113	14000	11997	86
Sikkim	1148	2000	2026	101	3000	3367	112	4600	4369	95	5500	5316	97	6000	5996	100
Tripura	7076	12200	17830	146	35000	28675	82	25000	31762	127	34000	33012	97	33500	33306	99
<b>Total</b>	<b>32020</b>	<b>60550</b>	<b>66477</b>	<b>110</b>	<b>124700</b>	<b>113834</b>	<b>91</b>	<b>144100</b>	<b>142017</b>	<b>99</b>	<b>164100</b>	<b>159616</b>	<b>97</b>	<b>172600</b>	166739	<b>97</b>

Micro States	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge og Actual of Projected	12-Nov		%ge og Actual of Projected	12-Dec		%ge og Actual of Projected	12-Jan		%ge og Actual of Projected
	Actuals	Projection	Actual		Projection	Actual		Projections	Actual		Projections	Actual				
Goa	98	240	276	115	525	511	97	750	656	87	800	705	88	730	749	<b>103</b>
Tripura	55	60	182	303	375	314	84	400	356	89	400	372	93	400	385	<b>96</b>
Manipur	13	20	44	220	100	93	93	150	207	138	300	322	107	415	365	<b>88</b>
Nagaland	7	9	8	89	10	13	130	40	50	125	60	68	113	100	84	<b>84</b>
Arunachal Pradesh	5	7	10	143	12	24	200	85	47	55	60	55	92	80	56	<b>70</b>
Meghalaya	6	7	24	343	30	64	213	90	98	109	100	125	125	155	143	<b>92</b>
Sikkim	1	1	11	1100	15	57	380	150	85	57	100	118	118	150	129	<b>86</b>
Mizoram	0	1	0	0	0	0	0	0	2	#DIV/0!	2	7	350	10	9	<b>90</b>
<b>Total</b>	<b>185</b>	<b>345</b>	<b>555</b>	<b>161</b>	<b>1067</b>	<b>1076</b>	<b>101</b>	1665	1501	<b>90</b>	1822	1772	<b>97</b>	2040	1920	<b>94</b>

## COVID 19: Union Territories: Projections and Actuals: Positivity & Mortality

Union Territories	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge og Actual of Projected	12-Nov		%ge og Actual of Projected	12-Dec		%ge og Actual of Projected	12-Jan		%ge og Actual of Projected
	Actuals	Projectio n	Actual		Projectio n	Actual		Projectio ns	Actual		Projectio ns	Actual		Projectio ns	Actual	
Andaman & Nichobar	2306	6500	3494	54	4500	4023	89	4400	4507	102	5000	4805	96	5000	4966	99
Chandigarh	2009	3500	7292	208	17000	13264	78	15500	15543	100	18500	18572	100	20000	20378	102
Dadra & Nagar Haveli	1846	3200	2682	84	3500	3167	90	3500	3273	94	4400	3349	76	5400	3368	62
Ladakh	1909	3000	3228	108	4200	5151	123	7000	7211	103	10000	9138	91	10000	9634	96
Puducherry	7354	18000	19026	106	30000	31737	106	42000	36179	86	39000	37444	96	38000	38495	101
<b>Total</b>	<b>15424</b>	<b>34200</b>	<b>35722</b>	<b>104</b>	<b>59200</b>	<b>57342</b>	<b>97</b>	<b>72400</b>	<b>66713</b>	<b>92</b>	<b>76900</b>	<b>73308</b>	<b>95</b>	<b>78400</b>	<b>76841</b>	<b>98</b>

Union Territories	16-Aug	12-Sep		%ge Actual of Projected	12-Oct		%ge Actual of Projected	12-Nov		%ge Actual of Projected	12-Dec		%ge Actual of Projected	12-Jan		%ge Actual of Projected
	Actuals	Projectio n	Actual		Projectio n	Actual		Projectio ns	Actual		Projectio ns	Actual		Projectio ns	Actual	
Puducherry	106	270	365	135	750	565	75	650	607	93	650	619	95	650	639	<b>98</b>
Ladakh	10	15	38	253	45	64	142	90	89	99	100	123	123	150	128	<b>85</b>
Dadra & Nagar Haveli	2	4	2	50	3	2	67	30	2	7	3	2	67	25	2	<b>8</b>
Chandigarh	28	50	83	166	150	192	128	250	244	98	300	300	100	360	328	<b>91</b>
Andaman & Nichobar	24	50	51	102	60	55	92	90	61	68	75	61	81	90	62	<b>69</b>
<b>Total</b>	<b>170</b>	<b>389</b>	<b>539</b>	<b>139</b>	<b>1008</b>	<b>878</b>	<b>87</b>	<b>1110</b>	<b>1003</b>	<b>90</b>	<b>1128</b>	<b>1105</b>	<b>98</b>	<b>1275</b>	<b>1159</b>	<b>91</b>

For more details, send email to:

**Mysore Sanjeev**

Convenor

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**Thank you**