

Epidemiology of COVID-19 ALL INDIA

Number of Infections (5 Laks Increment)	No of days taken to reach since 22 Jan-2020	date reached since 22 Jan-2020	Cumulative Number of deaths	CFR	avg. daily deaths	R <sub>0</sub> for confirmed cases	Required herd Immunity (Threshold) R <sub>0</sub>	Total Vaccine Administered (cum)	% of Immunity by Infection	% of immunity by vaccination	total % of Immunity gained
1st 5 Lakh Cases	156 days	26-06-2020	15685	3.06	116.0	1.872	46.58		0.04		0.04
Cum 10 Lakh Cases	20 days	16-07-2020	25602	2.49	481.1	1.802	44.51		0.07		0.07
Cum 15 Lakh Cases	12 days	28-07-2020	34193	2.23	711.5	1.762	43.25		0.11		0.11
cum 20 Lakh Cases	9 days	06-08-2020	41585	2.04	809.4	1.732	42.26		0.14		0.14
cum 25 Lakh Cases	8 days	14-08-2020	49036	1.97	932.2	1.732	42.26		0.18		0.18
cum 30 Lakh Cases	8 days	22-08-2020	56706	1.90	964.3	1.722	41.93		0.22		0.22
cum 35 Lakh Cases	7 days	29-08-2020	63498	1.82	973.0	1.702	41.25		0.25		0.25
cum 40 Lakh Cases	6 days	04-09-2020	69561	1.74	996.3	1.692	40.9		0.29		0.29
cum 45 Lakh Cases	6 days	10-09-2020	76271	1.70	1111.0	1.692	40.9		0.32		0.32
cum 50 Lakh Cases	5 days	15-09-2020	82066	1.64	1157.6	1.692	40.9		0.36		0.36
cum 55 Lakh Cases	6 days	21-09-2020	88935	1.62	1146.0	1.692	40.9		0.39		0.39
cum 60 Lakh Cases	6 days	27-09-2020	95542	1.59	1101.5	1.692	40.9		0.43		0.43
cum 65 Lakh Cases	6 days	03-10-2020	101782	1.57	1039.3	1.692	40.9		0.47		0.47
cum 70 Lakh Cases	7 days	10-10-2020	108334	1.55	937.0	1.702	41.25		0.50		0.50
cum 75 Lakh Cases	8 days	18-10-2020	114610	1.53	784.5	1.722	41.93		0.54		0.54
cum 80 Lakh Cases	10 days	28-10-2020	120527	1.51	591.7	1.752	42.92		0.57		0.57
cum 85 Lakh Cases	10 days	07-11-2020	126121	1.48	559.3	1.772	43.57		0.61		0.61
cum 90 Lakh Cases	12 days	19-11-2020	132162	1.47	503.2	1.972	49.29		0.65		0.65
cum 95 Lakh Cases	13 days	02-12-2020	138648	1.46	498.9	2.332	57.12		0.68		0.68
cum 100 Lakh Cases	16 days	18-12-2020	145136	1.45	405.3	3.083	67.56		0.72		0.72
cum 105 Lakh Cases	26 days	13-01-2021	151727	1.45	253.6	2.673	62.59		0.75		0.75
cum 110 Lakh Cases	39 days	21-02-2021	156385	1.42	119.4	2.052	51.27	10651012	0.79	0.76	1.55
cum 115 Lakh Cases	25 days	18-03-2021	159370	1.39	119.4	2.092	52.2	35923500	0.83	2.58	3.40
cum 120 Lakh Cases	10 days	28-03-2021	161843	1.35	247.5	2.202	54.59	55180875	0.86	3.96	4.82
cum 125 Lakh Cases	7 days	04-04-2021	165101	1.32	464.4	2.202	54.59	76405697	0.90	5.48	6.38
cum 130 Lakh Cases	4 days	08-04-2021	167642	1.29	640.5	2.112	52.65	91881530	0.93	6.59	7.53
cum 135 Lakh Cases	3 days	11-04-2021	170179	1.26	838.0	2.012	50.3	102000401	0.97	7.32	8.29
cum 140 Lakh Cases	3 days	14-04-2021	173123	1.24	981.0	1.902	47.42	111913288	1.00	8.03	9.04
cum 145 Lakh Cases	2 days	16-04-2021	175649	1.21	1260.0	1.822	45.12	117305344	1.04	8.42	9.46
cum 150 Lakh Cases	2 days	18-04-2021	178769	1.19	1560.0	1.742	42.59	121207098	1.08	8.70	9.78
cum 155 Lakh Cases	2 days	20-04-2021	182533	1.18	1882.0	1.701	41.21	127428887	1.11	9.15	10.26
cum 160 Lakh Cases	2 days	22-04-2021	186920	1.17	2193.0	1.641	39.06	132754608	1.15	9.53	10.68
cum 165 Lakh Cases	1 days	23-04-2021	189544	1.18	2624.0	1.611	37.93	135658324	1.18	9.74	10.92
cum 170 Lakh Cases	2 days	25-04-2021	195123	1.15	2789.0	1.581	36.75	139185173	1.22	9.99	11.21
cum 175 Lakh Cases	1 days	26-04-2021	197894	1.13	2771.0	1.561	35.94	142524947	1.26	10.23	11.48
cum 180 Lakh Cases	2 days	28-04-2021	204832	1.14	3469.0	1.531	34.68	147053392	1.29	10.55	11.85
cum 185 Lakh Cases	1 day	29-04-2021	208330	1.13	3498.0	1.521	34.25	149268772	1.33	10.71	12.04
cum 190 Lakh Cases	1 day	30-04-2021	211853	1.12	3523.0	1.511	33.82	151998107	1.36	10.91	12.27
cum 195 Lakh Cases	1 day	01-05-2021	215542	1.11	3689.0	1.510	33.77	153626325	1.40	11.03	12.43
cum 200 Lakh Cases	2 days	03-05-2021	222408	1.11	3433.0	1.501	33.38	156082136	1.44	11.20	12.64
cum 205 Lakh Cases	1 days	04-05-2021	226188	1.10	3780.0	1.491	32.93	157750752	1.47	11.32	12.79
cum 210 Lakh Cases	1 days	05-05-2021	230168	1.10	3980.0	1.491	32.93	159931238	1.51	11.48	12.98
cum 215 Lakh Cases	2 days	07-05-2021	238270	1.10	4051.0	1.481	32.48	165190000	1.54	11.86	13.40
cum 220 Lakh Cases	1 day	08-05-2021	242347	1.10	4077.0	1.481	32.48	167493857	1.58	12.02	13.60
cum 225 Lakh Cases	1 day	09-05-2021	246116	1.09	3769.0	1.471	32.02	168304868	1.61	12.08	13.69
cum 230 Lakh Cases	2 days	11-05-2021	254197	1.11	4040.0	1.471	32.04	173862643	1.65	12.48	14.13
cum 235 Lakh Cases	1 day	12-05-2021	258317	1.10	4120.0	1.461	31.58	176045577	1.69	12.63	14.32
cum 240 Lakh Cases	1 day	13-05-2021	262317	1.09	4000.0	1.461	31.58	178361846	1.72	12.80	14.52
cum 245 Lakh Cases	2 days	15-05-2021	270284	1.10	3983.0	1.461	31.58	181544536	1.76	13.03	14.79
cum 250 Lakh Cases	2 days	17-05-2021	278719	1.11	4217.0	1.461	31.58	183817204	1.79	13.19	14.98
cum 255 Lakh Cases	2 days	19-05-2021	287122	1.13	4201.0	1.451	31.10	186410600	1.83	13.38	15.21
cum 260 Lakh Cases	2 days	21-05-2021	295525	1.14	4202.0	1.451	31.10	189344105	1.87	13.59	15.45
cum 265 Lakh Cases	2 days	23-05-2021	303720	1.15	4098.0	1.451	31.10	191877460	1.90	13.77	15.67
cum 270 Lakh Cases	2 days	25-05-2021	311388	1.15	3834.0	1.451	31.10	196463495	1.94	14.10	16.04
cum 275 Lakh Cases	2 days	27-05-2021	318895	1.16	3754.0	1.451	31.10	201438120	1.97	14.46	16.43
cum 280 Lakh Cases	3 days	30-05-2021	329100	1.18	3402.0	1.451	31.10	208907723	2.01	14.99	17.00
cum 285 Lakh Cases	4 days	03-06-2021	340702	1.20	2901.0	1.451	31.10	219831571	2.05	15.78	17.83
cum 290 Lakh Cases	5 days	08-06-2021	344082	1.22	2565.0	1.451	31.10	223642281	2.08	16.86	18.94
cum 295 Lakh Cases	5 days	13-06-2021	374305	1.27	4155.0	1.451	31.10	250656362	2.12	17.99	20.11
cum 300 Lakh Cases	9 days	22-06-2021	390660	1.30	1817.0	1.461	31.58	289961746	2.15	20.81	22.96
cum 305 Lakh Cases	10 days	02-07-2021	401050	1.31	1039.0	1.471	32.04	339447068	2.19	24.36	26.55
cum 310 Lakh Cases	13 days	15-07-2021	412531	1.33	884.0	1.481	32.50	390286930	2.22	28.01	30.23
cum 315 Lakh Cases	13 days	28-07-2021	422662	1.34	780.0	1.481	32.50	445696580	2.26	31.99	34.25
cum 320 Lakh Cases	13 days	10-08-2021	429179	1.34	501.0	1.502	33.40	517799432	2.30	37.16	39.46
cum 325 Lakh Cases	14 days	24-08-2021	434756	1.34	398.0	1.511	33.82	59452135	2.33	42.67	45.00
cum 330 Lakh Cases	12 days	05-09-2021	440752	1.34	499.0	1.521	34.25	686693339	2.37	49.28	51.65
cum 335 Lakh Cases	15 days	20-09-2021	445385	1.33	309.0	1.511	33.82	817737078	2.40	58.69	61.09
cum 340 Lakh Cases	22 days	12-10-2021	451189	1.33	264.0	1.511	33.82	963825324	2.44	69.17	71.61
cum 345 Lakh Cases											

data source

world wide dataset <https://data.humdata.org/dataset/novel-coronavirus-2019-ncov-cases>  
 vaccntion <https://api.covid19india.org/>

CFR: Case Fatality rate , number of deaths for every 100 cases

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