

STATUS REPORT OF COVID-19 IN HARYANA

(No. 3 / May 17th 2020)

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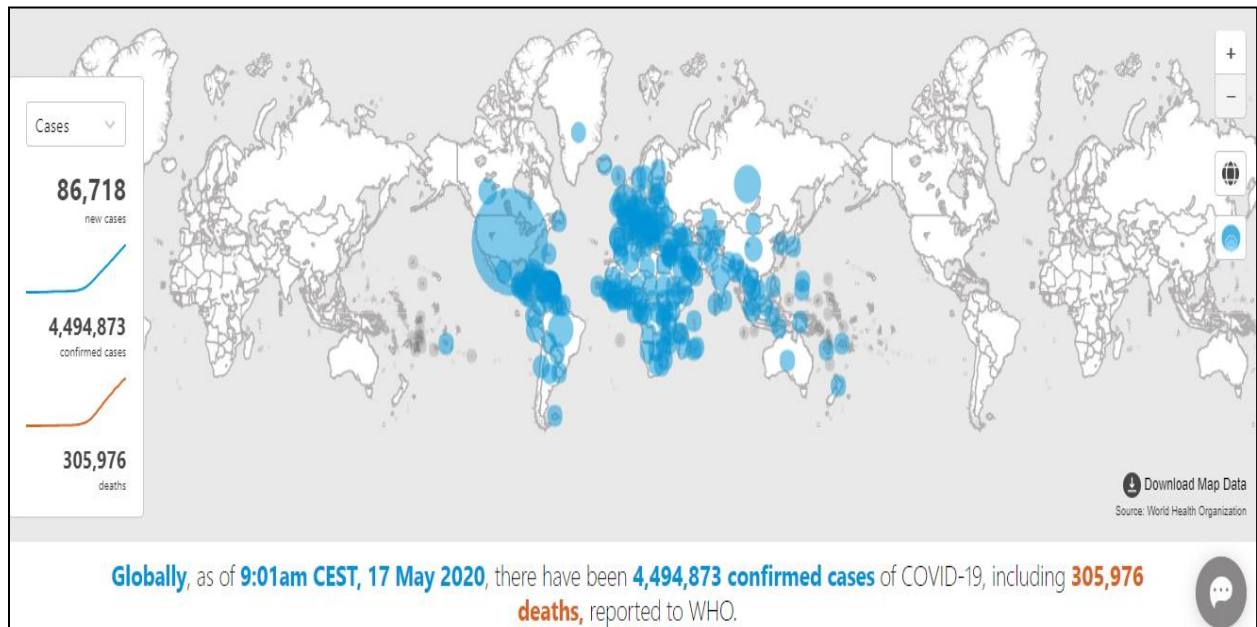
BACKGROUND: - Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Its first case was reported in China. On 31st December 2019, the World Health Organization (WHO) China Country Office was informed of cases of pneumonia of unknown etiology (unknown cause) detected in Wuhan City, Hubei Province of China. On 7th January 2020, Chinese authorities identified a new strain of Coronavirus as the causative agent for the disease. The virus has been renamed by WHO as Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and the disease caused by it as COVID-19. World Health Organization has assessed the risk for spread of this disease and declared the current novel coronavirus outbreak as a Public Health Emergency of International Concern (PHEIC) on 30th January, 2020. Further, on 11th March, 2020, WHO declared COVID-19 as a pandemic.

EPIDEMIOLOGY: - The etiologic agent responsible for current outbreak of SARSCoV-2 is a novel coronavirus is closely related to SARS-Coronavirus. This disease is an infectious disease, which mainly spreads by the viral load present in the respiratory droplets of infected persons. Current estimates of the incubation period of COVID range from 2-14 days. Most common symptoms include fever, fatigue, dry cough and breathing difficulty. Diagnosis is by demonstration of the virus in respiratory secretions by special molecular tests. The deaths reported are mainly among elderly population particularly those with co-morbidities. The case fatality rate is estimated to range from 2 to 3% (Singhal T.; 2020). The disease is rapidly spreading from its origin in Wuhan City of Hubei Province of China to the rest of the world.

GLOBAL STATUS OF COVID-19 CASES

According to WHO, on 17.05.2020, worldwide, a total 4,494,873 cases of this disease have been reported. Out of the 216 affected countries / areas / territories the mostly affected countries were United States of America, Russian Federation, The United Kingdom, Spain, Italy, Brazil, Germany, Turkey, France, Iran, India, Peru, etc. (Figure No. 1).

Figure No. 1: Worldwide Distribution of COVID-19 Patients (as on 17.05.2020)

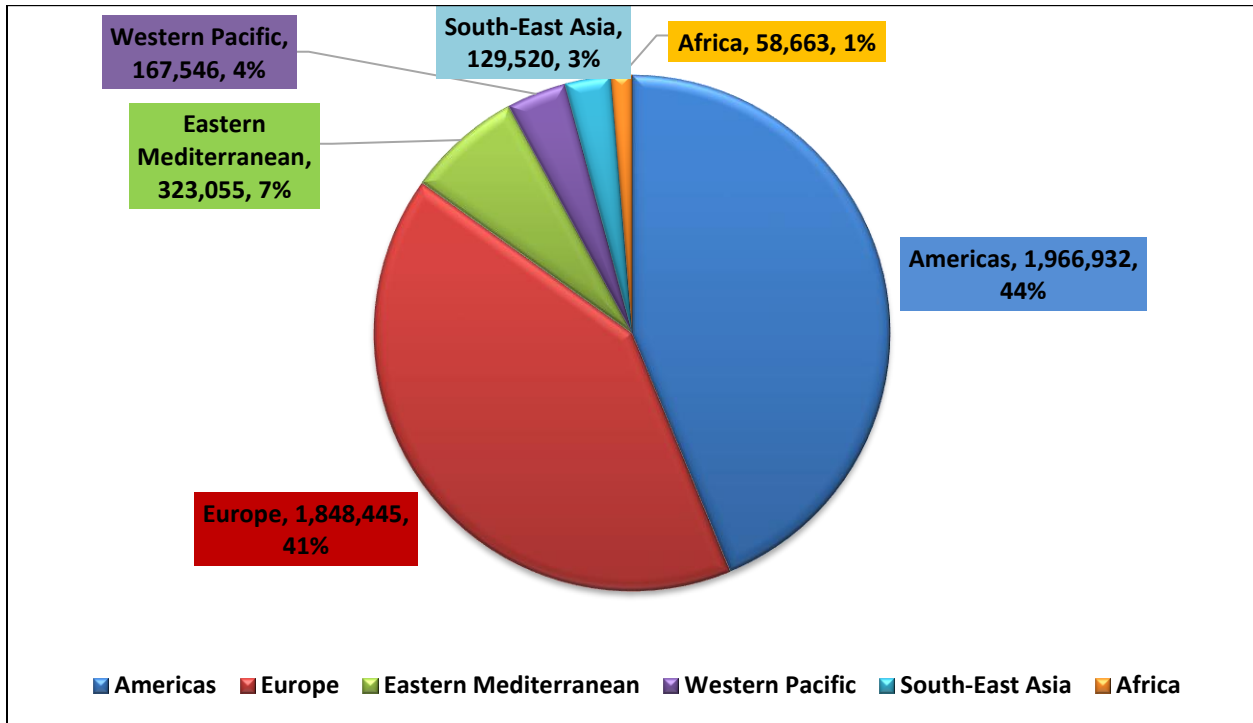


Source – World Health Organisation (WHO) Link-<https://covid19.who.int/> (Retrieved on 17.05.2020 at 03:37PM)

The distribution of COVID-19 cases in WHO Regions, represent that Americas Region is having highest share followed by Europe Region, Eastern Mediterranean Region, Western Pacific Region, South-East Asia Region and Africa Region (Figure No.2).

On analyzing the Region wise trend of COVID-19 spread, it is estimated that the burden of this disease has been shifted to Americas and Europe Regions from South-East Asia Region (Figure No.3). Further, the worldwide cumulative trends show that the number of patients of this disease are increasing day by day.

Figure No. 2: WHO Region Wise distribution of COVID-19 Patients (as on 17.05.2020)



Source – World Health Organisation (WHO)

Figure No. 3: Number of Confirmed COVID-19 Cases, by Date of Report and WHO Region, 30.12.2019 through 16.05.2020

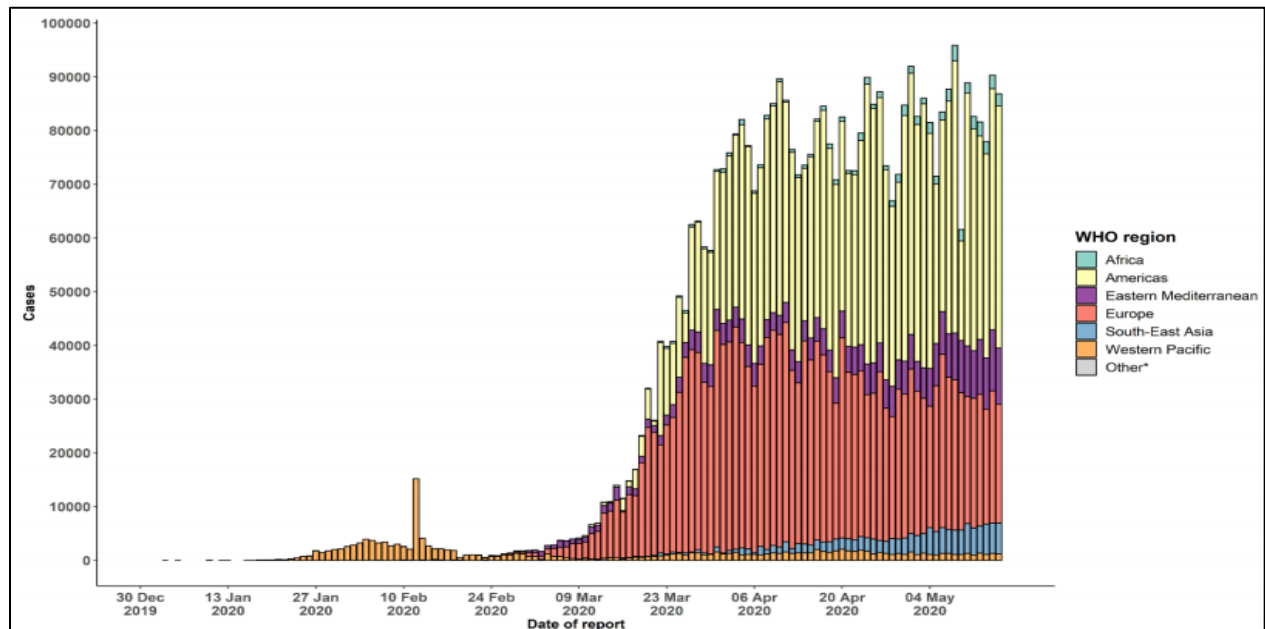


Figure Source – Situation Report, World Health Organisation (WHO)

Figure No. 4: Countries, Territories or Areas with Reported Confirmed Cases of COVID-19 in the last 7 Days (as on 16.05.2020)

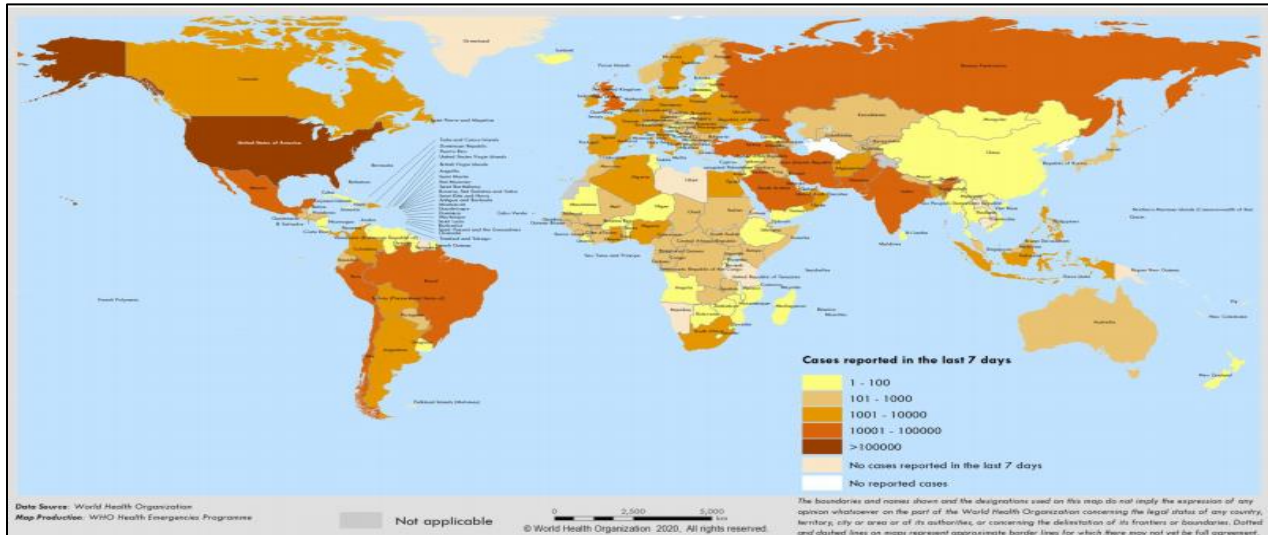
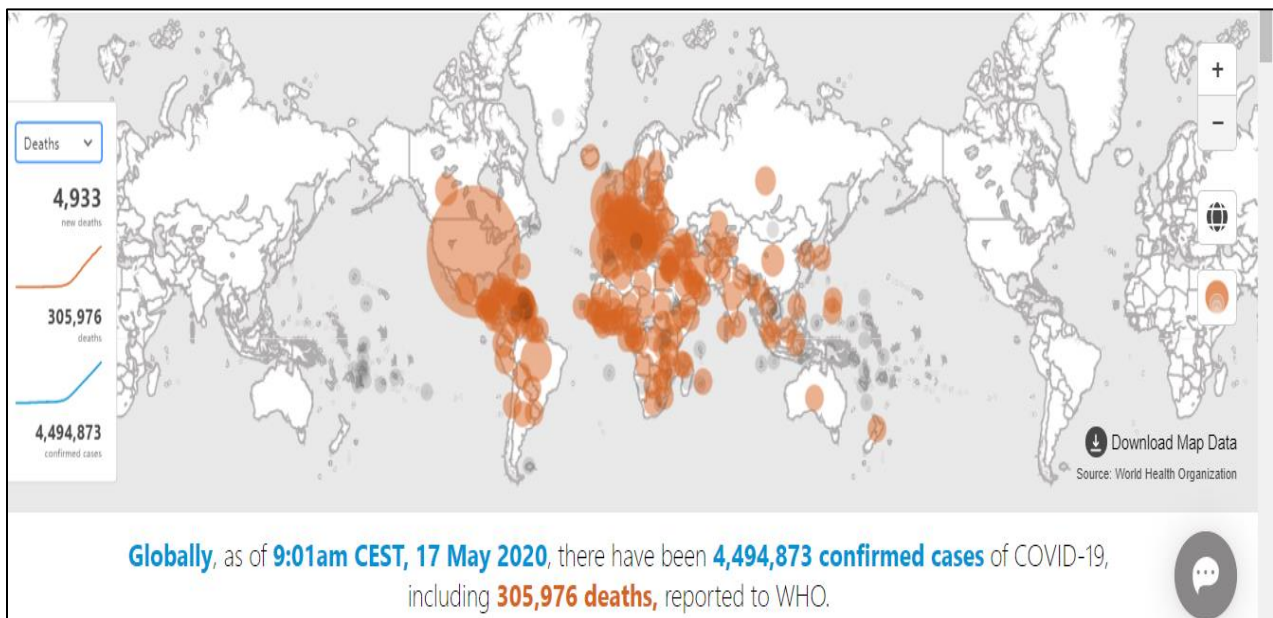


Figure Source – Situation Report, World Health Organisation (WHO)

COVID-19 is also causing deaths worldwide. Since its inception, till 17.05.2020, total 305,976 deaths were reported by WHO. According to WHO, till 17.05.2020, highest deaths of COVID-19 patients occurred in United States of America followed by The United Kingdom, Italy, France, Spain, Brazil, Belgium, Germany, Iran, Netherlands, Canada, Mexico, etc.

Figure No. 5: Worldwide Distribution of Deaths of COVID-19 Patients (as on 17.05.2020)



Source – World Health Organisation (WHO) Link-<https://covid19.who.int/> (Retrieved on 17.05.2020 at 4:00 PM)

STATUS OF COVID-19 CASES IN INDIA

India reported the first confirmed case of the coronavirus infection on 30.01.2020 in the state of Kerala. The affected had a travel history from Wuhan, China. No significant rise in cases was seen in the rest of February. On 04.03.2020, 22 new cases came to light, including those of an Italian tourist group with 14 infected members. The transmission escalated during March month, after several cases were reported all over the country, most of which were linked to people with a travel history to affected countries. A Sikh preacher that returned from travel to Italy and Germany, carrying the virus, turned into "super spreader" by attending a Sikh festival in Anandpur Sahib during 10-12 March, 2020. Twenty-seven COVID-19 cases were traced back to him. Over 40,000 people in 20 villages in Punjab were quarantined on 27.03.2020 to contain the spread.

Further, on 31.03.2020, a Tablighi Jamaat religious congregation event that took place in Delhi in early March month emerged as a new virus hotspot after numerous cases across the country were traced back to the event. Over 9,000 missionaries may have attended the congregation, with the majority being from various states of India, and 960 attendees from 40 foreign countries. The participants of this event have been contributing a lot in spreading of COVID-19 disease in various parts of the country as per the information of various governmental agencies.

On 17.05.2020, total 90,927 cases were confirmed in India. As a consequence of this disease, deaths have been reported in India. The first death was reported on 12th March, 2020, a 76-year-old man who had returned from Saudi Arabia, became the first victim of the virus in the country. As on 17.05.2020, the death toll crossed to 2,872. However, on comparing the mortality percentage with International statistics, Indian scenario was observed comparatively better as represented in Table No. 1.

Table No. 1: Comparison of COVID-19 Cases and Deaths (as on 17.05.2020)

Variables	World	India
Total Cases	4,494,873	90,927
Total Deaths	305,976	2,872
Mortality (%)	6.81%	3.16%

Source – *World Health Organisation (WHO)&#Ministry of Health and Family Welfare (MOHFW)

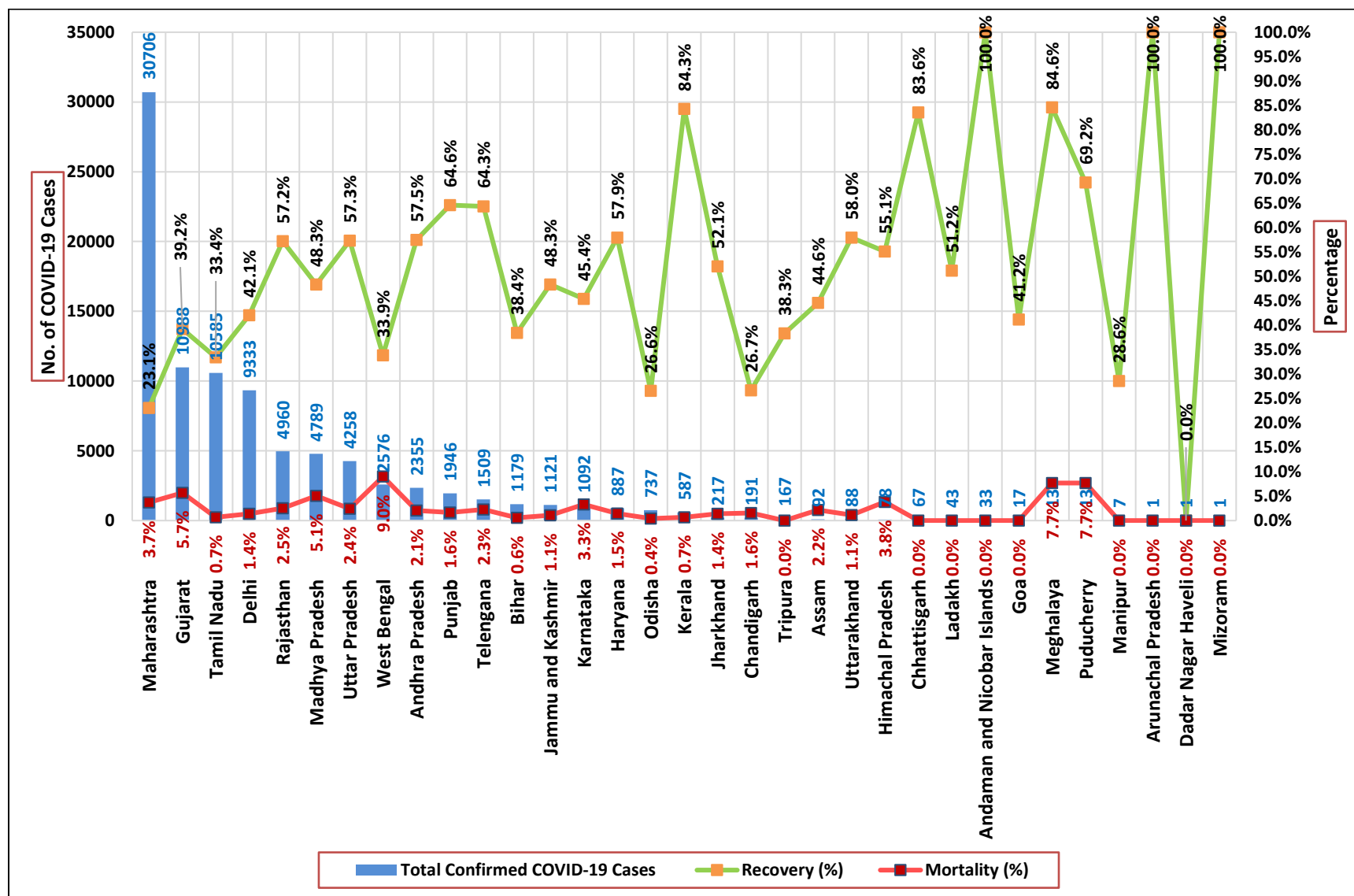
Table No. 2: State Wise Distribution of COVID-19 Cases & Death in India (as on 17.05.2020)

Name of State / UT	Population (As per census 2011)	Total Confirmed COVID-19 Cases	Cured / Discharged / Migrated	Deaths	Active Cases	Recovery (%)	Mortality (%)	Total Case Per Million Population	Active Case Load Per Million Population
Maharashtra	112,374,333	30706	7088	1135	22483	23.1%	3.7%	273	200
Gujarat	60,439,692	10988	4308	625	6055	39.2%	5.7%	182	100
Tamil Nadu	72,147,030	10585	3538	74	6973	33.4%	0.7%	147	97
Delhi	16,787,941	9333	3926	129	5278	42.1%	1.4%	556	314
Rajasthan	68,548,437	4960	2839	126	1995	57.2%	2.5%	72	29
Madhya Pradesh	72,626,809	4789	2315	243	2231	48.3%	5.1%	66	31
Uttar Pradesh	199,812,341	4258	2441	104	1713	57.3%	2.4%	21	9
West Bengal	91,276,115	2576	872	232	1472	33.9%	9.0%	28	16
Andhra Pradesh	49,670,000	2355	1353	49	953	57.5%	2.1%	47	19
Punjab	27,743,338	1946	1257	32	657	64.6%	1.6%	70	24
Telangana	35,004,000	1509	971	34	504	64.3%	2.3%	43	14
Bihar	104,099,452	1179	453	7	719	38.4%	0.6%	11	7
Jammu and Kashmir	12,407,815	1121	542	12	567	48.3%	1.1%	90	46
Karnataka	61,095,297	1092	496	36	560	45.4%	3.3%	18	9
Haryana	25,351,462	887	514	13	360	57.9%	1.5%	35	14
Odisha	41,974,218	737	196	3	538	26.6%	0.4%	18	13
Kerala	33,406,061	587	495	4	88	84.3%	0.7%	18	3
Jharkhand	32,988,134	217	113	3	101	52.1%	1.4%	7	3
Chandigarh	1,055,450	191	51	3	137	26.7%	1.6%	181	130
Tripura	3,673,917	167	64	0	103	38.3%	0.0%	45	28
Assam	31,205,576	92	41	2	49	44.6%	2.2%	3	2
Uttarakhand	10,086,292	88	51	1	36	58.0%	1.1%	9	4
Himachal Pradesh	6,864,602	78	43	3	32	55.1%	3.8%	11	5
Chhattisgarh	25,545,198	67	56	0	11	83.6%	0.0%	3	0
Ladakh	133,487	43	22	0	21	51.2%	0.0%	322	157
Andaman and Nicobar Islands	380,581	33	33	0	0	100.0%	0.0%	87	0
Goa	1,458,545	17	7	0	10	41.2%	0.0%	12	7
Meghalaya	2,966,889	13	11	1	1	84.6%	7.7%	4	0
Puducherry	1,247,953	13	9	1	3	69.2%	7.7%	10	2
Manipur	2,855,794	7	2	0	5	28.6%	0.0%	2	2
Arunachal Pradesh	1,383,727	1	1	0	0	100.0%	0.0%	1	0
Dadar Nagar Haveli	343,709	1	0	0	1	0.0%	0.0%	3	3
Mizoram	1,097,206	1	1	0	0	100.0%	0.0%	1	0
Cases Being Reassigned to States	NA	290	0	0	290	0.0%	NA	NA	NA
India	1,208,051,401	90,927	34,109	2,872	53946	37.5%	3.2%	75	45

Source-MOHFW Link - <https://www.mohfw.gov.in/> (Retrieved on 17.05.2020 at 5:20 PM)

The number of COVID-19 cases are increasing continuously since the inception of first case. On dated 17.05.2020, Maharashtra, Gujrat, Tamil Nadu, Delhi, Rajasthan, Madhya Pradesh, Uttar Pradesh, etc. were emerged as most affected states in India according to the MOHFW. COVID-19 cases related mortality pattern of Indian states shows that the states like Maharashtra, Gujrat, Madhya Pradesh, West Bengal, Delhi, Rajasthan, Uttar Pradesh, etc. had a large portion of deaths in India. The state wise details of total cases, cured and deaths of COVID-19 patients are reported in Table No. 2.

Figure No. 6: State Wise Trend of Total COVID-19 Cases, Mortality (%) and Recovery (%) in India (as on 17.05.2020)

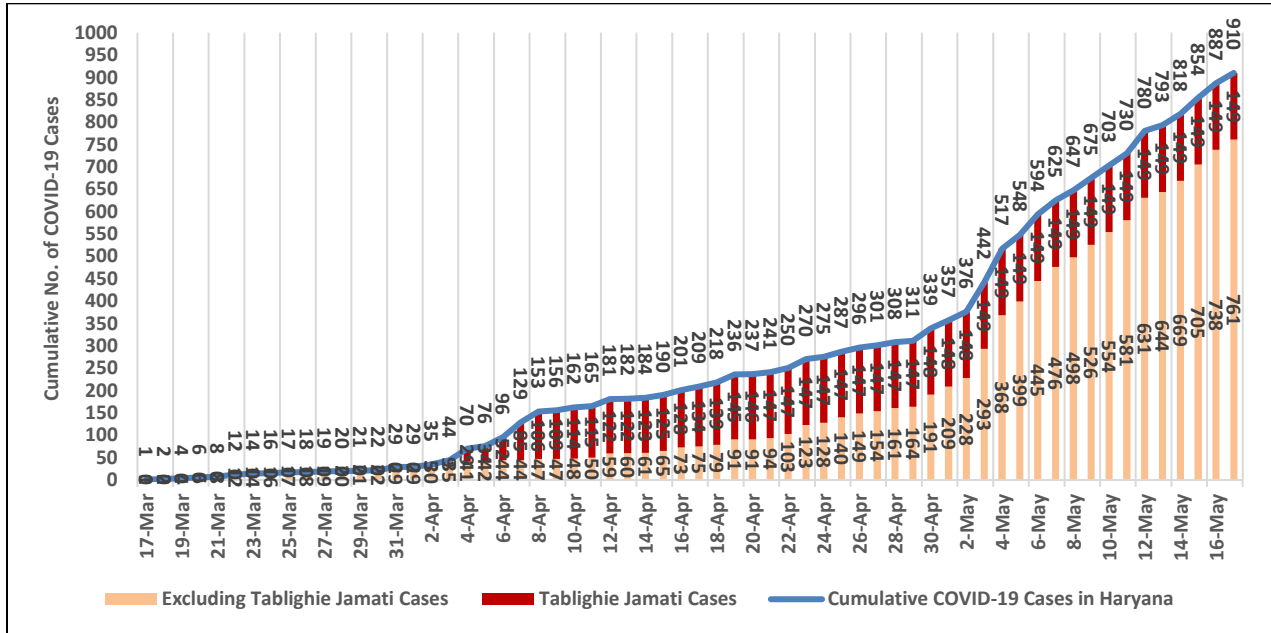


Source – MOHFW Link - <https://www.mohfw.gov.in/> (Retrieved on 17.05.2020 at 5:20 PM)

STATUS OF COVID-19 CASES IN HARYANA

First case of COVID-19 was reported in Haryana on 17.03.2020. From the date of inception of COVID-19 case in Haryana, the numbers have been increased to 910 on 17.05.2020. Out of these cases, 562 have cured and 14 deaths were reported till 17.05.2020. This increased in total number of COVID-19 cases was also attributed to the 14 Italian travelers and participants of Tablighi Jamaat. The first Jamati case was reported in Haryana on 02.02.2020. The clear differentiation of trends of total cumulative case and excluding Jamati cases is represented in Figure No. 7.

Figure No. 7: Date Wise Trend of COVID-19 Cumulative Cases in Haryana (N=910) (as on 17.05.2020)



The trend represented in Figure No. 7, show clear influence of Jamati cases in overall trends of COVID-19 patients in Haryana.

Figure No. 8: Gender Wise Distribution of COVID-19 Cumulative Cases in Haryana (N=910) (as on 17.05.2020)

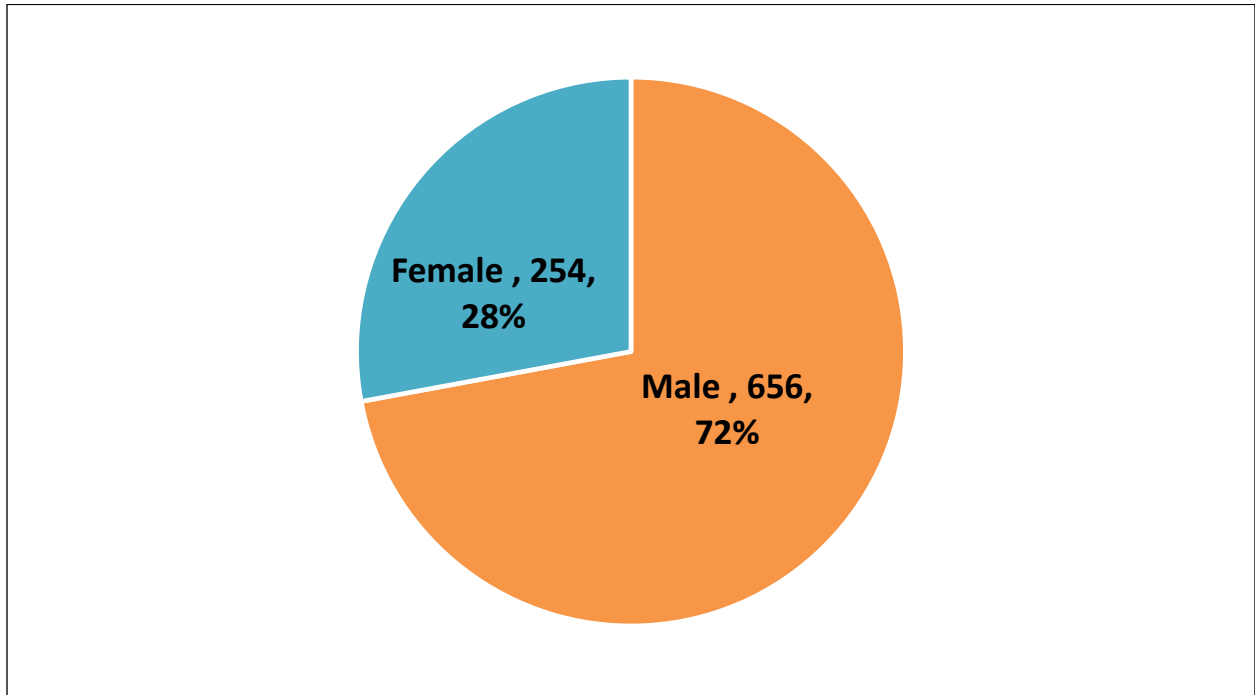


Figure No. 9: Gender Wise Distribution of COVID-19 Deaths in Haryana (N=14) (as on 17.05.2020)

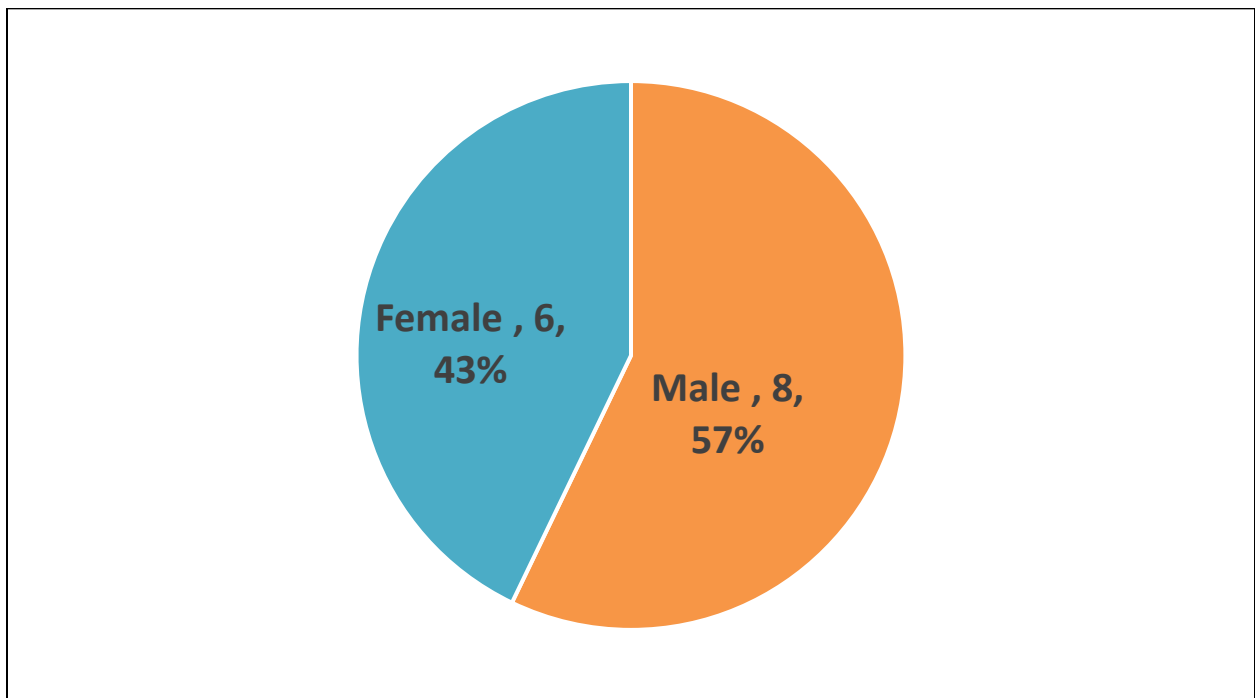


Figure No. 10: Date Wise Trend of COVID-19 Cumulative Cases in Haryana since the Inception of First Case on 17.03.2020 (N=910) (as on 17.05.2020)

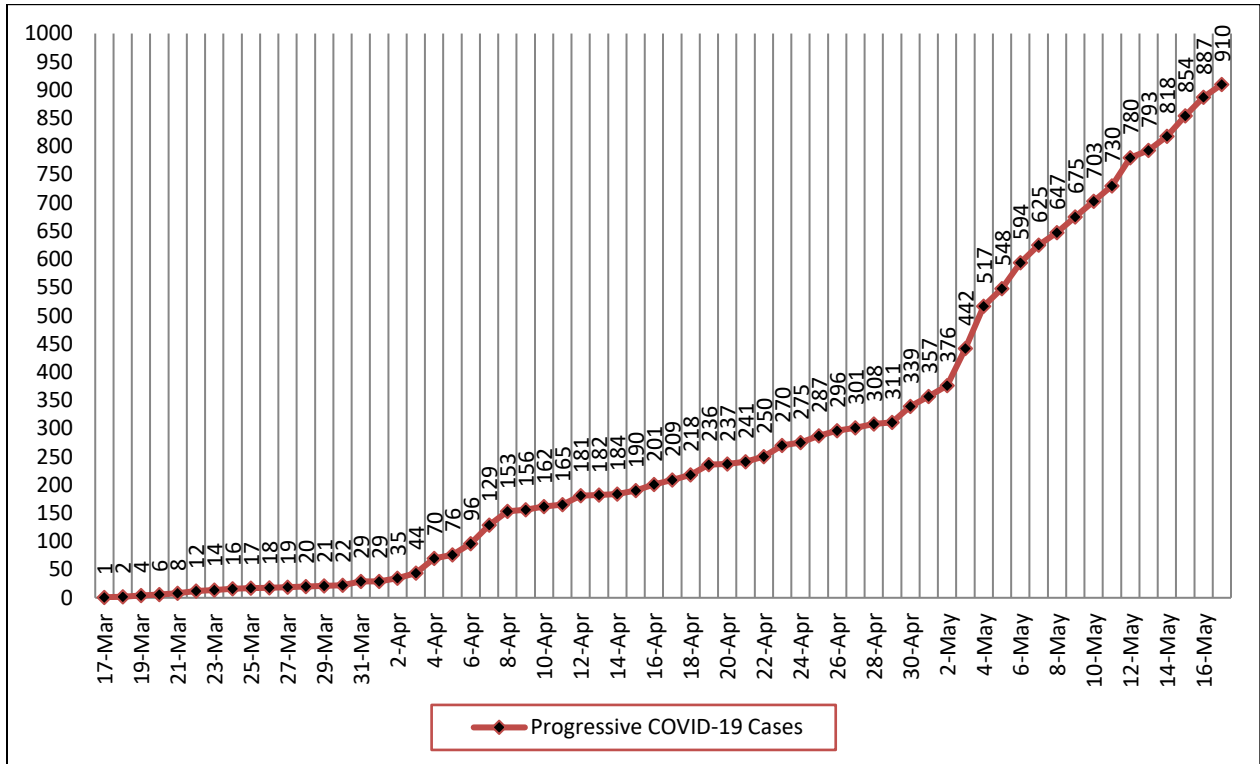


Figure No. 11: Day Wise Trend of COVID-19 Cumulative Cases in Haryana since the Inception of First Case on 17.03.2020 (N=910) (as on 17.05.2020)

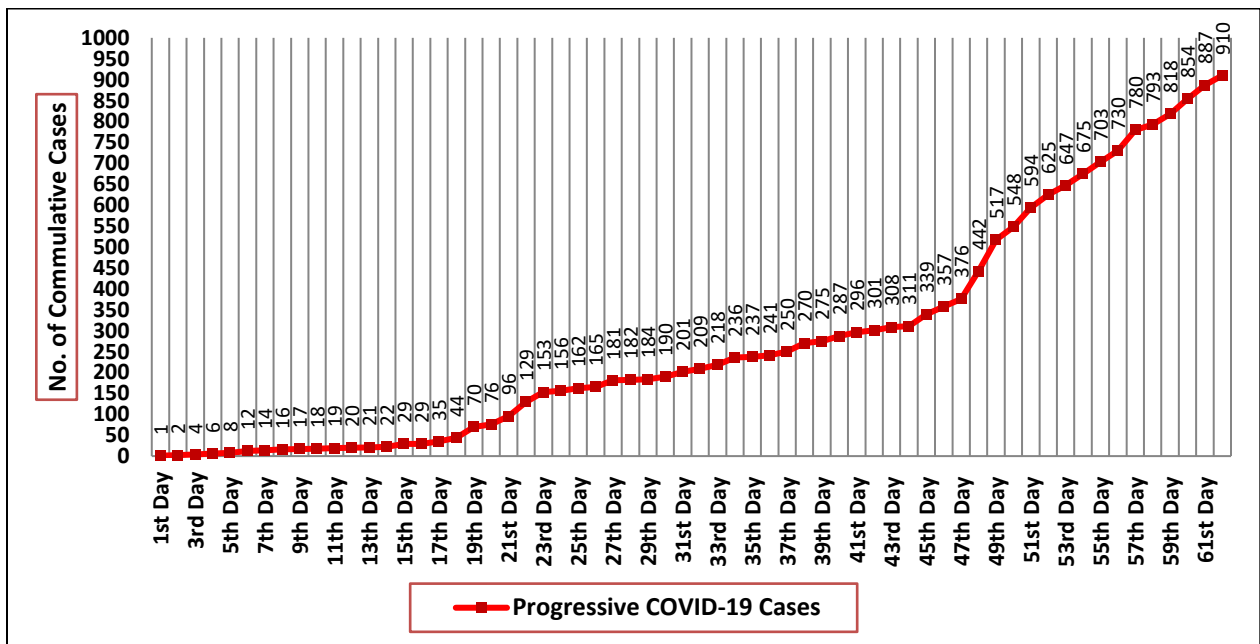
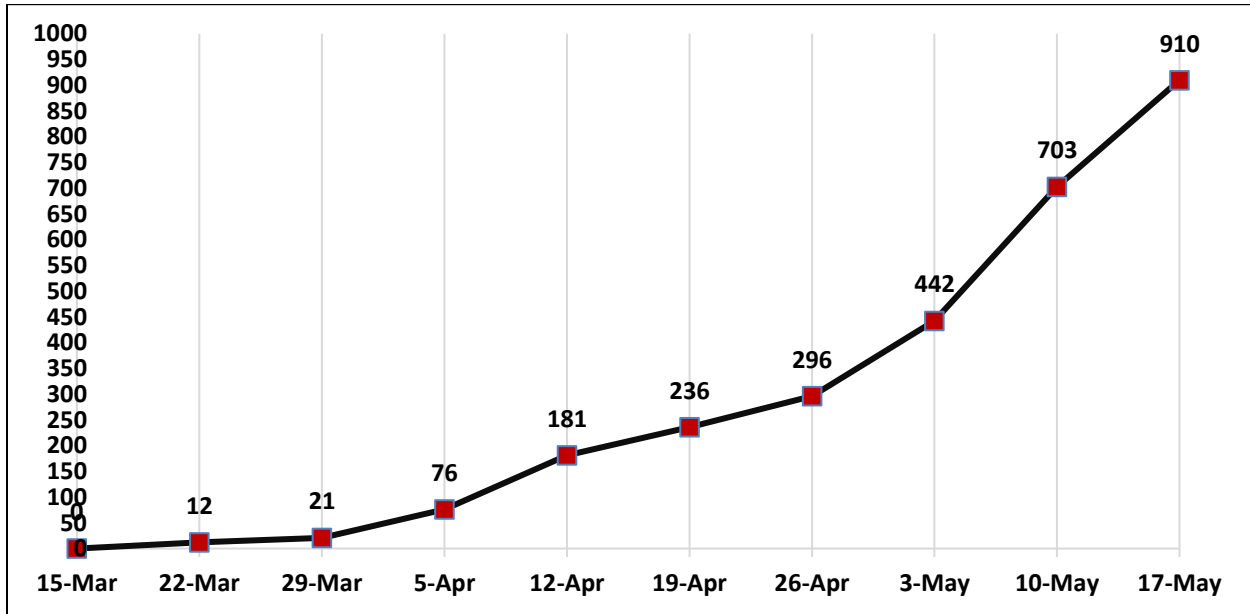


Figure No. 12: Weekly Trend of COVID-19 Cumulative Cases in Haryana since the Inception of First Case on 17.03.2020 (N=910) (as on 17.05.2020)



The details of number of new cases of COVID-19 in Haryana as per date and day are mentioned in Figure No. 13 and 14.

Figure No. 13: Date Wise Distribution of COVID-19 New Cases in Haryana (as on 17.05.2020)

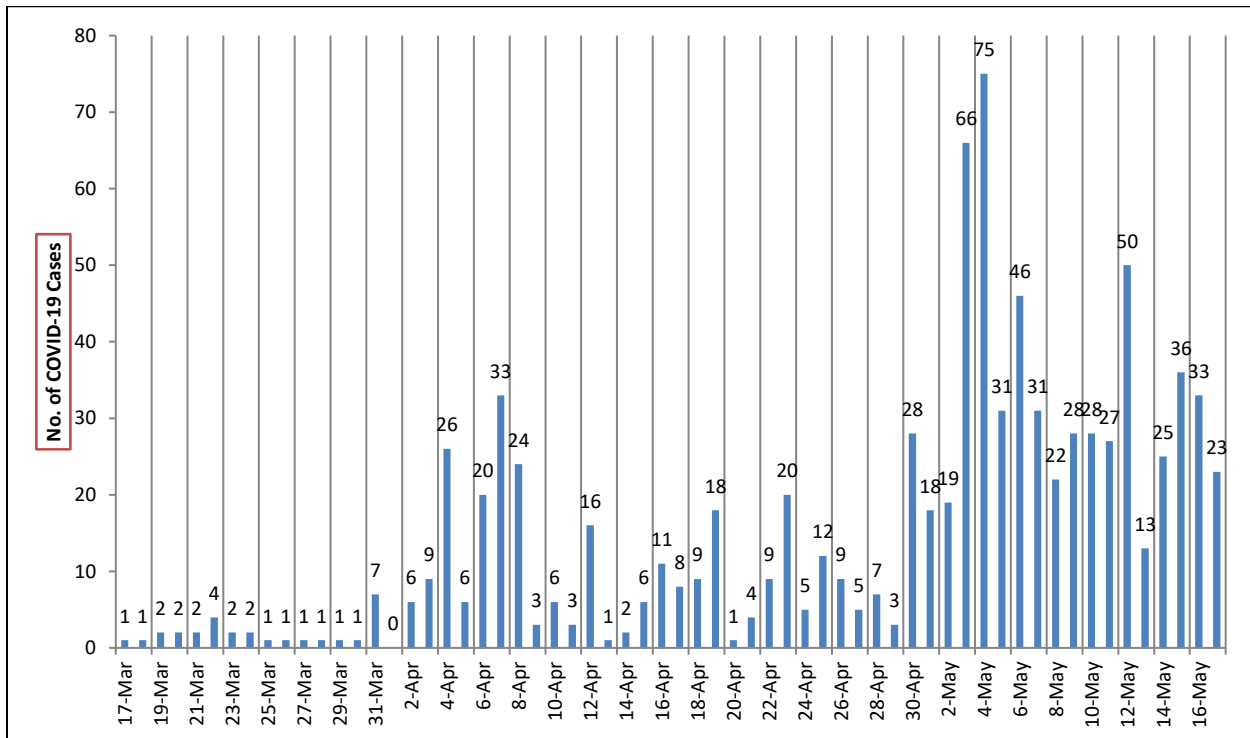


Figure No. 14: Day Wise Distribution of COVID-19 New Cases in Haryana (as on 17.05.2020)

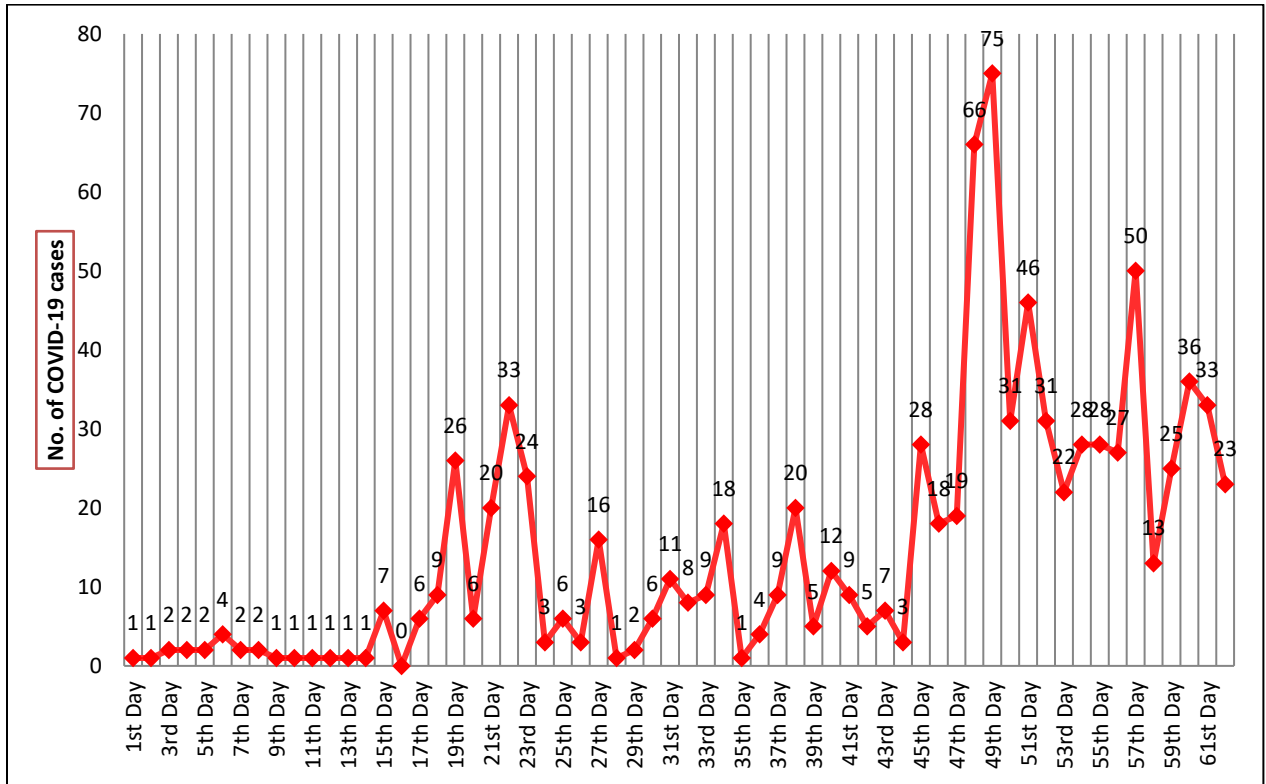
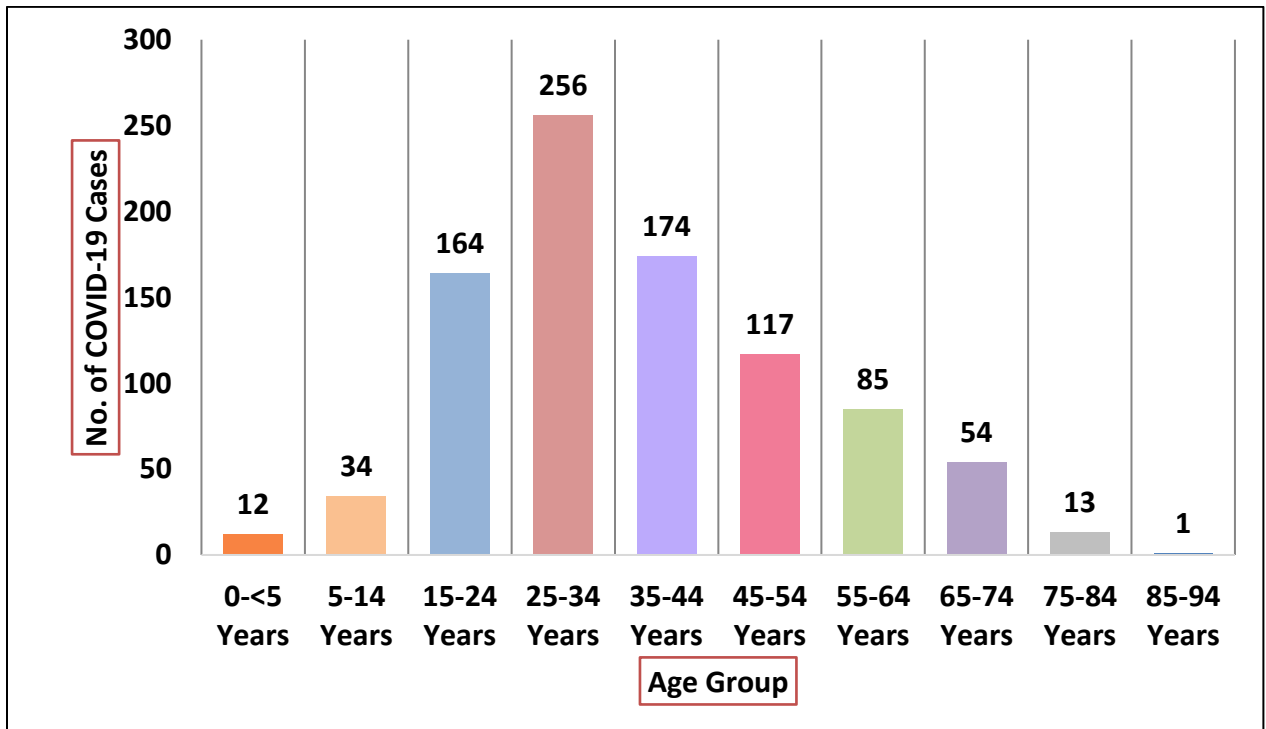


Figure No. 15: Age Wise Distribution of COVID-19 Cases in Haryana (N=910) (as on 17.05.2020)

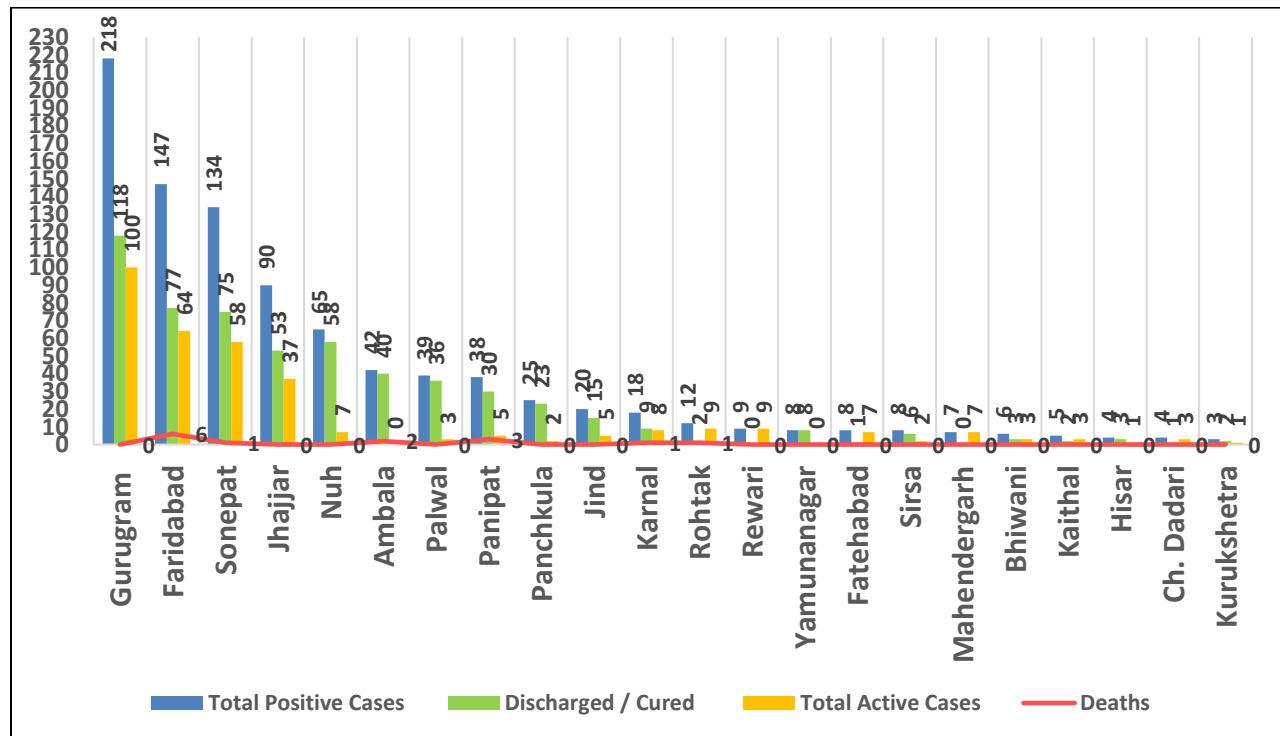


The age wise distribution of COVID-19 Cases in Haryana is given in the Figure No. 15. Highest number of the cases present in Haryana belongs to age group 25-34 years followed by age groups 35-44 years, 15-24 years, 45-54 years, 55-64 years, 65-74 years, 5-14 years and 75-84 years.

Table No. 3: Age Wise Distribution of COVID-19 Cases and Deaths in Haryana (as on 17.05.2020)

Age Group	No. of Cases	No. of Death	Mortality (%)
0-<5 Years	12	0	0.0%
5-14 Years	34	0	0.0%
15-24 Years	164	3	1.8%
25-34 Years	256	1	0.4%
35-44 Years	174	0	0.0%
45-54 Years	117	1	0.9%
55-64 Years	85	3	3.5%
65-74 Years	54	5	9.3%
75-84 Years	13	1	7.7%
85-94 Years	1	0	0.0%
Total	910	14	1.5%

Figure No. 16: District Wise Distribution of COVID-19 Cases in Haryana (as on 17.05.2020)



On date 17.05.2020, districts Gurugram, Faridabad, Sonapat, Jhajjar, Nuh and Ambala were sharing the major part of total COVID-19 cases in Haryana. The influence of Jamat related cases

was the also contributing as major triggering factor in overall number of COVID-19 patients in some districts. The district wise details of COVID-19 cases along with discharged and deaths is illustrated in Table No. 4.

Table No. 4: District Wise Distribution of COVID-19 Cases in Haryana (N=910) (as on 17.05.2020)

District	Population (Census 2011 & Website)	Total Positive Cases	Discharged / Cured	Deaths	Total Active Cases	Active Case Load Per Million Population	Mortality (%)	Recovery (%)	Positive Cases Per Million Population
Gurugram	1,514,432	218	118	0	100	66	0.0%	54.1%	144
Faridabad	1,809,733	147	77	6	64	35	4.1%	52.4%	81
Sonepat	1,450,001	134	75	1	58	40	0.7%	56.0%	92
Jhajjar	958,405	90	53	0	37	39	0.0%	58.9%	94
Nuh	1,089,263	65	58	0	7	6	0.0%	89.2%	60
Ambala	1,128,350	42	40	2	0	0	4.8%	95.2%	37
Palwal	1,042,708	39	36	0	3	3	0.0%	92.3%	37
Panipat	1,205,437	38	30	3	5	4	7.9%	78.9%	32
Panchkula	561,293	25	23	0	2	4	0.0%	92.0%	45
Jind	1,334,152	20	15	0	5	4	0.0%	75.0%	15
Karnal	1,505,324	18	9	1	8	5	5.6%	50.0%	12
Rohtak	1,061,204	12	2	1	9	8	8.3%	16.7%	11
Rewari	900,332	9	0	0	9	10	0.0%	0.0%	10
Yamunanagar	1,214,205	8	8	0	0	0	0.0%	100.0%	7
Fatehabad	942,011	8	1	0	7	7	0.0%	12.5%	8
Sirsa	1,295,189	8	6	0	2	2	0.0%	75.0%	6
Mahendergarh	922,088	7	0	0	7	8	0.0%	0.0%	8
Bhiwani	1,198,085	6	3	0	3	3	0.0%	50.0%	5
Kaithal	1,074,304	5	2	0	3	3	0.0%	40.0%	5
Hisar	1,743,931	4	3	0	1	1	0.0%	75.0%	2
Ch. Dadri	502,276	4	1	0	3	6	0.0%	25.0%	8
Kurukshetra	964,655	3	2	0	1	1	0.0%	66.7%	3
Haryana	25417378	910	562	14	334	13	1.5%	61.8%	36

Table No. 5: COVID-19 Testing Status in Haryana (as on 17.05.2020)

S. No.	District	Total Samples Collected	Positive Samples	Negative Samples	Awaited Samples	Total Samples Tested	Positivity Rate (%)	Samples Collected Per Million Population	Samples Tested Per Million Population
1	Ambala	4038	42	3836	160	3878	1.1	3579	3437
2	Bhiwani	1127	6	994	127	1000	0.6	941	835
3	Charkhi Dadri	1764	4	1563	197	1567	0.3	3512	3120
4	Faridabad	7541	147	7108	286	7255	2.0	4167	4009
5	Fatehabad	2550	8	2396	146	2404	0.3	2707	2552
6	Gurugram	9281	218	8840	223	9058	2.4	6128	5981
7	Hisar	4232	4	3966	262	3970	0.1	2427	2276
9	Jhajjar	3633	90	3335	208	3425	2.6	3791	3574
8	Jind	4073	20	3837	216	3857	0.5	3053	2891
11	Kaithal	1918	5	1712	201	1717	0.3	1785	1598
10	Karnal	3356	18	3098	240	3116	0.6	2229	2070
12	Kurukshetra	2585	3	2382	200	2385	0.1	2680	2472
14	Narnaul	2166	7	1958	201	1965	0.4	2349	2131
13	Nuh	4003	65	3701	237	3766	1.7	3675	3457
15	Palwal	4034	39	3781	214	3820	1.0	3869	3664
16	Panchkula	3209	25	2952	232	2977	0.8	5717	5304
17	Panipat	2722	38	2422	262	2460	1.5	2258	2041
18	Rewari	2022	9	1827	186	1836	0.5	2246	2039
19	Rohtak	5032	12	4796	224	4808	0.2	4742	4531
21	Sirsa	1332	8	1109	215	1117	0.7	1028	862
20	Sonepat	5023	134	4658	231	4792	2.8	3464	3305
22	Yamunanagar	2388	8	2223	157	2231	0.4	1967	1837
	Haryana	78029	910	72494	4625	73404	1.2	3070	2888

Figure No. 17: Date Wise Trend of Positivity Rate and Sample Tested in Haryana (as on 17.05.2020)

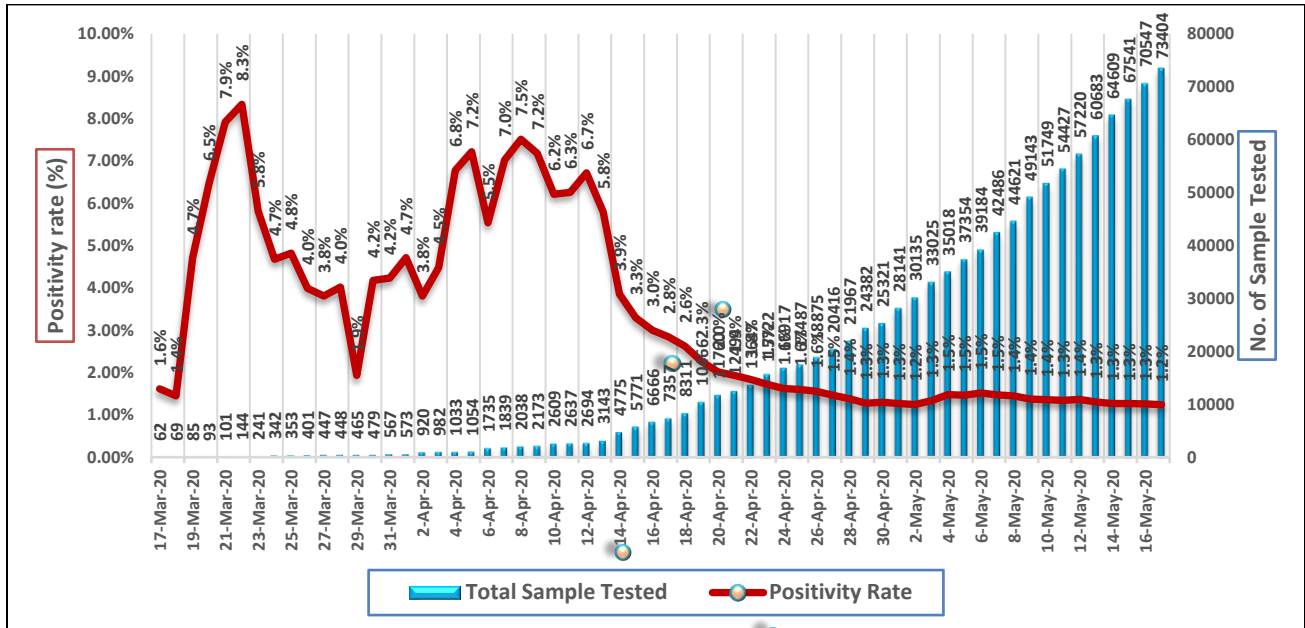


Figure No. 18: District Wise Comparison of Positivity Rate (%) and Samples Collected Per Million Population as per the Census 2011 & Official Website of New Districts (as on 17.05.2020)

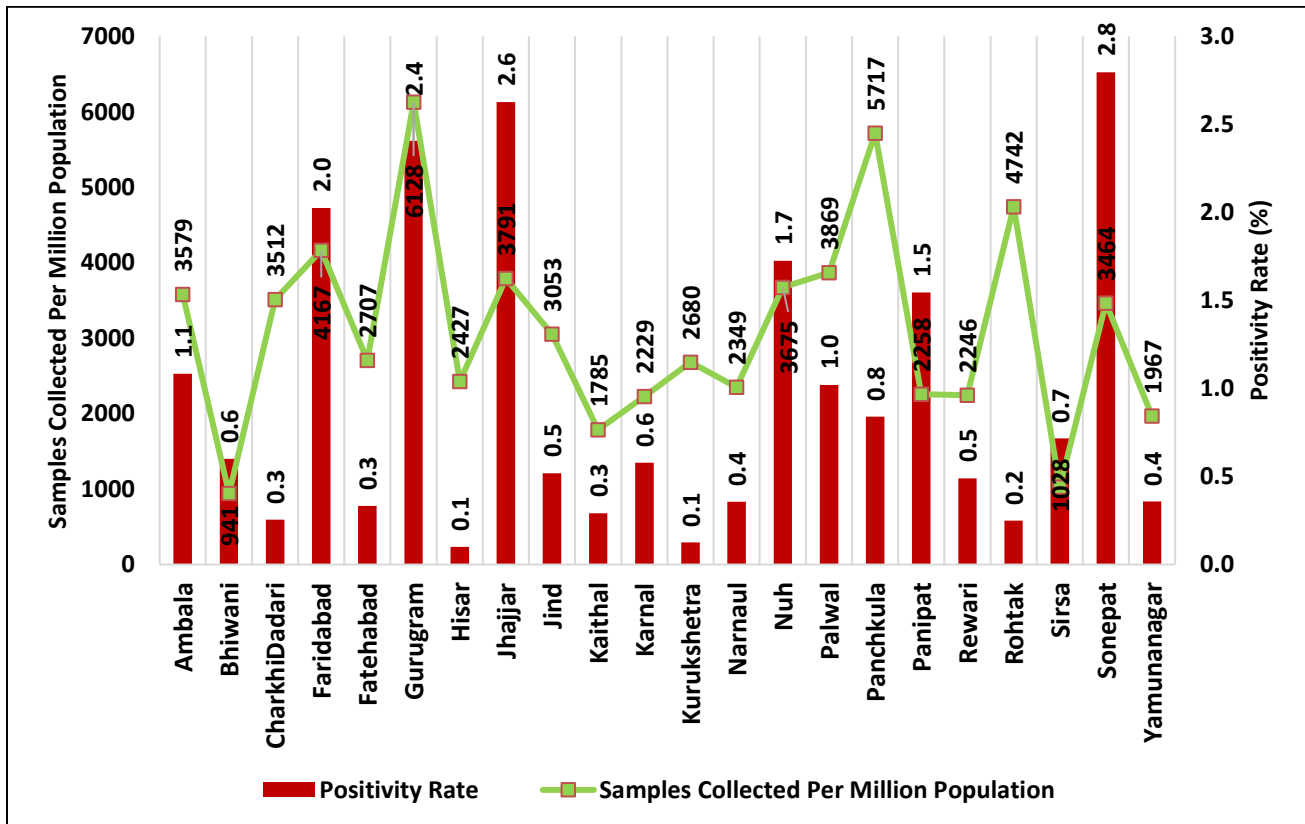


Figure No. 19: Moving Average (7 Days) of Daily New COVID-19 Cases in Haryana (as on 17.05.2020)

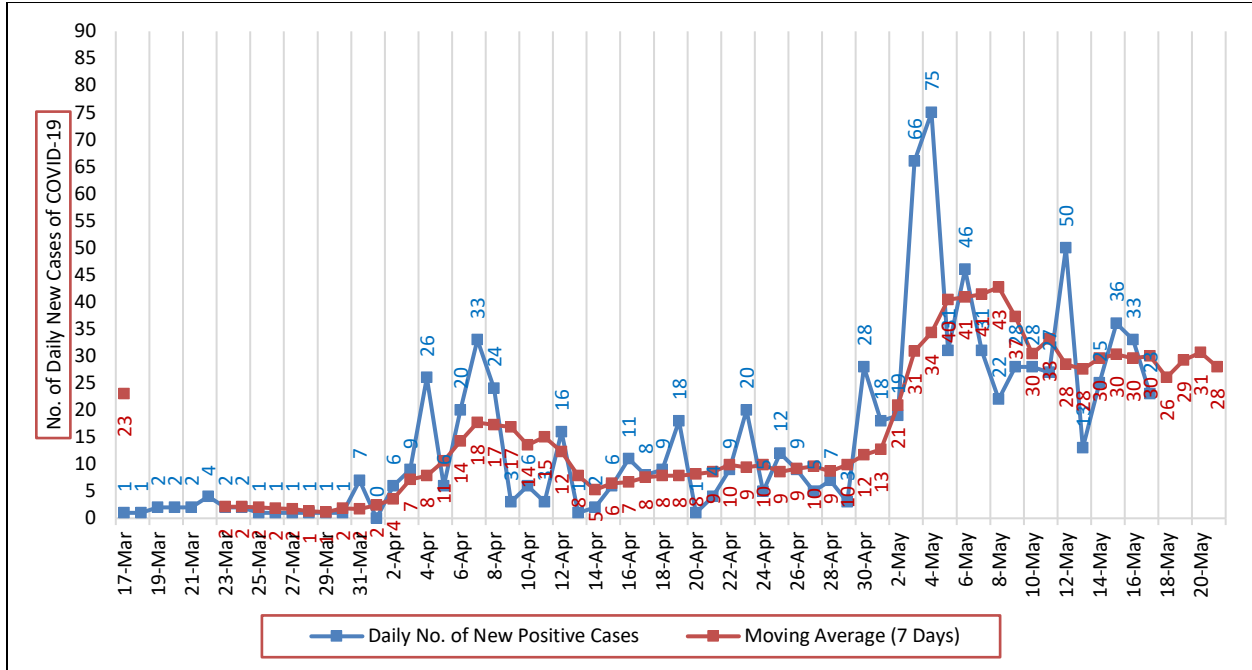


Figure No. 20: District Wise Distribution of Containment Zones and Person Found Symptomatic ILI / SARI in Haryana (as on 16.05.2020)

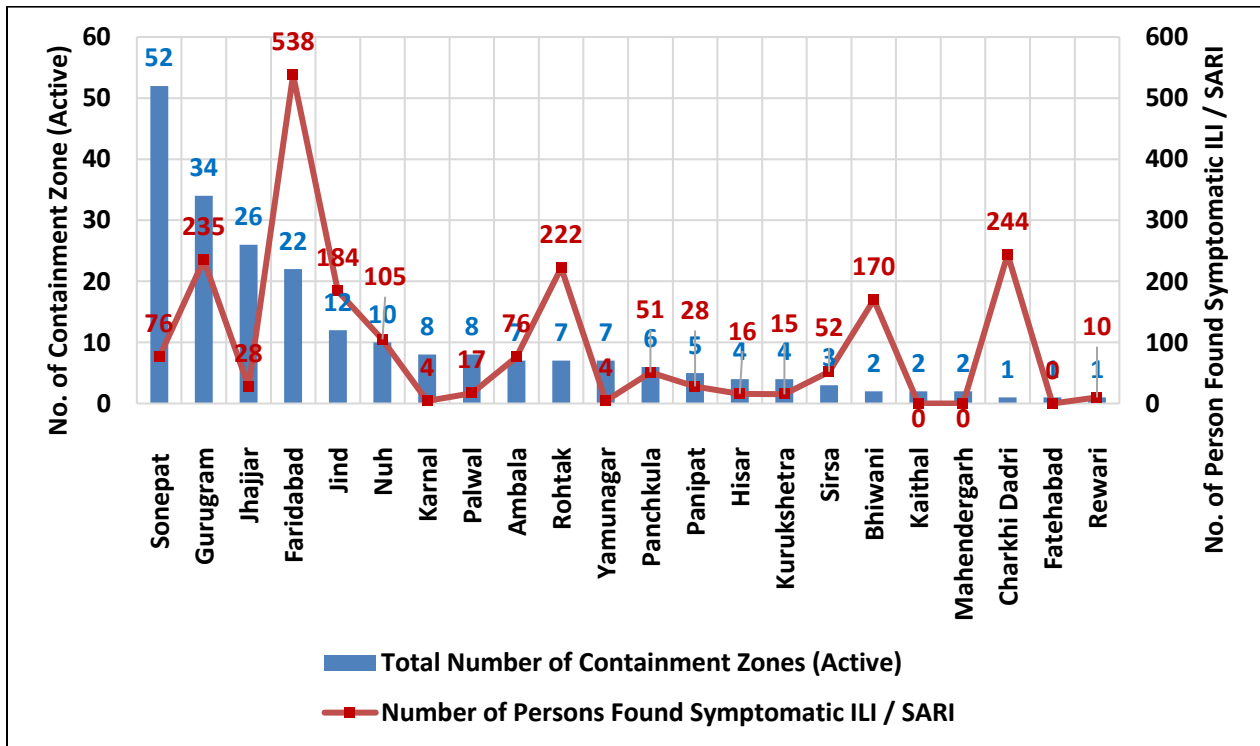


Table No. 6: District Wise Distribution of Containment Zones in Haryana (as on 16.05.2020)

Districts	Total Number of Containment Zones (Active)	Total Households in Containment Zone	Total Population in Containment Zone	Number of Persons Found Symptomatic ILI / SARI
Sonepat	52	51659	265970	76
Gurugram	34	46141	207603	235
Jhajjar	26	22183	81558	28
Faridabad	22	55763	253883	538
Jind	12	10213	54087	184
Nuh	10	10512	89711	105
Karnal	8	1175	7228	4
Palwal	8	12089	95766	17
Ambala	7	3495	17468	76
Rohtak	7	6365	38990	222
Yamunanagar	7	2608	13688	4
Panchkula	6	4064	19608	51
Panipat	5	7406	34760	28
Hisar	4	3195	16943	16
Kurukshetra	4	1219	6596	15
Sirsa	3	3451	17530	52
Bhiwani	2	3889	18481	170
Kaithal	2	1318	5554	0
Mahendergarh	2	311	1038	0
Charkhi Dadri	1	5454	24656	244
Fatehabad	1	53	230	0
Rewari	1	4867	23784	10
Haryana	224	257430	1295132	2075

Table No. 7: District Wise Distribution of Dedicated COVID-19 Hospital /DCH in Haryana (as on 17.05.2020)

District Name	Facilities	Total Isolation Beds (excluding ICU beds)	Isolation Beds of Confirmed Cases	Isolation Beds for Suspected Cases	O2 Supported Beds	ICU Beds	Ventilators	O2 Manifold	PPE Kits	N95 Masks	Compatible to B.W.M. System
Ambala	4	465	389	76	435	61	18	3	1278	1193	4
Bhiwani	1	13	3	10	13	6	1	1	5	20	1
Charki Dadri	1	60	30	30	10	10	9	1	152	42	1
Faridabad	4	262	114	148	148	73	20	4	7370	11262	4
Gurugram	3	122	76	46	67	59	25	3	2110	3795	3
Hisar	2	485	162	323	105	26	15	2	1899	9146	2
Jhajjar	6	469	32	437	441	75	49	5	139	72	6
Karnal	1	12	10	2	12	40	7	1	10	2	1
Kurukshetra	1	120	20	100	47	5	5	1	111	67	1
Mahendragarh	1	25	10	15	25	7	2	1	103	740	1
Nuh	1	163	120	43	163	14	4	1	4446	12946	1
Palwal	2	51	51	0	19	36	4	2	20	20	2
Panchkula	2	124	72	52	31	24	10	2	535	703	2
Panipat	2	24	14	10	24	14	8	2	149	134	2
Rewari	1	20	5	15	20	8	6	1	0	0	1
Rohtak	3	535	420	115	209	45	38	3	2068	31114	3
Sirsa	2	100	50	50	45	20	9	2	60	65	2
Sonipat	2	490	455	35	485	28	21	2	2300	22639	2
Yamunanagar	4	88	32	56	55	26	14	4	471	164	4
Grand Total	43	3628	2065	1563	2354	577	265	41	23226	94124	43

Table No. 8: District Wise Distribution of Dedicated COVID-19 Health Centre / DCHC in Haryana (as on 17.05.2020)

District Name	Facilities	Total Isolation Beds (excluding ICU Beds)	Isolation Beds of Confirmed Cases	Isolation Beds for Suspected Cases	O2 Supported Beds	ICU Beds	Ventilators	O2 Manifold	PPE Kits	N95 Masks	Compatible to B.W.M. System
Ambala	6	223	64	159	83	23	23	6	5104	2357	6
Bhiwani	7	198	65	133	115	10	10	7	607	765	7
Charki Dadri	3	51	19	32	19	13	1	3	724	1466	3
Faridabad	22	667	262	405	268	113	82	22	2274	1617	22
Fatehabad	8	147	67	80	68	33	10	8	409	605	8
Gurugram	18	872	440	432	552	647	349	18	920	2926	18
Hisar	11	592	286	306	265	246	59	11	1792	2133	11
Jhajjar	12	496	346	150	182	39	16	12	1141	2627	12
Jind	6	232	40	192	154	20	3	6	733	815	6
Kaithal	4	257	50	207	131	17	11	4	460	1714	4
Karnal	13	287	172	115	216	107	63	13	5116	27888	13
Kurukshetra	6	95	32	63	50	34	21	6	383	78	6
Mahendragarh	10	142	45	97	92	18	6	10	250	800	10
Nuh	1	32	2	30	32	0	0	1	570	626	1
Palwal	9	170	62	108	43	20	2	9	90	892	9
Panchkula	5	109	78	31	86	55	36	5	2676	4699	5
Panipat	4	136	32	104	80	4	5	4	415	1666	4
Rewari	9	199	74	125	69	55	30	9	591	2525	9
Rohtak	11	103	0	103	58	4	42	11	300	300	11
Sirsa	3	125	58	67	60	8	1	3	148	494	3
Sonipat	8	205	90	115	69	26	10	8	1569	1205	8
Yamunanagar	6	88	27	61	47	10	6	6	630	401	6
Grand Total	182	5426	2311	3115	2739	1502	786	182	26902	58599	182

Table No. 9: District Wise Distribution of Dedicated COVID-19 Centre / DCC in Haryana (as on 17.05.2020)

District Name	Facilities	Total Isolation Beds (excluding ICU Beds)	Isolation Beds of Confirmed Cases	Isolation beds for Suspected Cases	O2 Supported Beds	ICU Beds	Ventilators	O2 Manifold	PPE Kits	N95 Masks	Compatible to B.W.M. System
Ambala	73	7293	1811	5482	0	0	0	0	0	0	73
Bhiwani	13	700	0	700	0	0	0	0	380	600	12
Charki Dadri	1	30	0	30	0	0	0	0	50	120	1
Faridabad	20	4610	295	4315	0	0	0	0	370	370	5
Fatehabad	30	1438	0	1438	0	0	0	0	0	0	30
Gurugram	62	913	0	913	0	0	0	0	951	1456	62
Hisar	39	1526	738	788	0	0	0	0	0	0	39
Jhajjar	19	1627	0	1627	0	0	0	0	509	595	19
Jind	4	100	0	100	0	0	0	0	35	35	4
Kaithal	11	490	24	466	0	0	0	0	125	125	11
Karnal	4	140	0	140	0	0	0	0	97	360	4
Kurukshetra	9	140	34	106	0	0	0	0	265	266	9
Mahendragarh	10	100	0	100	0	0	0	0	100	200	10
Nuh	12	2536	0	2536	0	0	0	0	0	0	12
Palwal	34	3252	1623	1629	0	0	0	0	340	340	34
Panchkula	3	706	645	61	0	0	0	0	14	28	3
Panipat	9	496	0	496	0	0	0	0	45	180	9
Rewari	3	50	0	50	0	0	0	0	64	30	3
Rohtak	2	150	0	150	0	0	0	0	10	10	2
Sirsa	1	100	60	40	0	0	0	0	45	295	1
Sonipat	3	388	0	388	0	0	0	0	40	40	3
Yamunanagar	39	1199	0	1199	0	0	0	0	78	78	39
Grand Total	401	27984	5230	22754	0	0	0	0	3518	5128	385

Table No.10: Growth Rate and Moving Average (7 Days) of COVID-19 Cases in Haryana (as on 17.05.2020)

Day from Onset	Date	Progressive COVID-19 Cases	Growth Rate (%) in Haryana	Moving Average (7 Days)
7th Day	23-Mar	14	14%	7
8th Day	24-Mar	16	13%	9
9th Day	25-Mar	17	6%	11
10th Day	26-Mar	18	6%	13
11th Day	27-Mar	19	5%	15
12th Day	28-Mar	20	5%	17
13th Day	29-Mar	21	5%	18
14th Day	30-Mar	22	5%	19
15th Day	31-Mar	29	24%	21
16th Day	1-Apr	29	0%	23
17th Day	2-Apr	35	17%	25
18th Day	3-Apr	44	20%	29
19th Day	4-Apr	70	37%	36
20th Day	5-Apr	76	8%	44
21st Day	6-Apr	96	21%	54
22nd Day	7-Apr	129	26%	68
23rd Day	8-Apr	153	16%	86
24th Day	9-Apr	156	2%	103
25th Day	10-Apr	162	4%	120
26th Day	11-Apr	165	2%	134
27th Day	12-Apr	181	9%	149
28th Day	13-Apr	182	1%	161
29th Day	14-Apr	184	1%	169
30th Day	15-Apr	190	3%	174
31st Day	16-Apr	201	5%	181
32nd Day	17-Apr	209	4%	187
33rd Day	18-Apr	218	4%	195
34th Day	19-Apr	236	8%	203
35th Day	20-Apr	237	0%	211
36th Day	21-Apr	241	2%	219
37th Day	22-Apr	250	4%	227
38th Day	23-Apr	270	7%	237
39th Day	24-Apr	275	2%	247
40th Day	25-Apr	287	4%	257
41st Day	26-Apr	296	3%	265
42nd Day	27-Apr	301	2%	274
43rd Day	28-Apr	308	2%	284
44th Day	29-Apr	311	1%	293
45th Day	30-Apr	339	8%	302
46th Day	1-May	357	5%	314
47th Day	2-May	376	5%	327
48th Day	3-May	442	15%	348
49th Day	4-May	517	15%	379
50th Day	5-May	548	6%	413
51st Day	6-May	594	8%	453
52nd Day	7-May	625	5%	494
53rd Day	8-May	647	3%	536
54th Day	9-May	675	4%	578
55th Day	10-May	703	4%	616
56th Day	11-May	730	4%	646
57th Day	12-May	780	6%	679
58th Day	13-May	793	2%	708
59th Day	14-May	818	3%	735
60th Day	15-May	854	4%	765
61st Day	16-May	887	4%	795
62nd Day	17-May	910	3%	825
63rd Day	18-May	NA	NA	840
64th Day	19-May	NA	NA	852
65th Day	20-May	NA	NA	867

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Glossary of Formula Used: -

- ❖ **Active Case Load Per Million Population** = (No. of Active Cases / Total Population) *1000000
- ❖ **Growth Rate** = {(Current Value – Previous Value) /Current Value} *100
- ❖ **Mortality (%)** = (No. of Deaths/Total Confirmed Cases) *100
- ❖ **Moving Average** = Average (No. of Cumulative Cases on N1: No. of Cumulative Cases on N7)
- ❖ **Positivity Rate (%)** = No. of Positive Cases/ (Total Sample Tested) *100
- ❖ **Positive Cases Per Million Population** = (No. of Positive Cases / Total Population) *1000000
- ❖ **Recovery (%)** = (No. of Cured Cases/Total Confirmed Cases) *100
- ❖ **Sample Collected Per Million Population** = (Total Sample Collected/Total Population) *1000000
- ❖ **Total Sample Tested** = Sum (No. of Positive Cases + No. of Negative Cases)