

STATUS REPORT OF COVID-19 IN HARYANA

(No. 2 / Dated - 10.05.2020)

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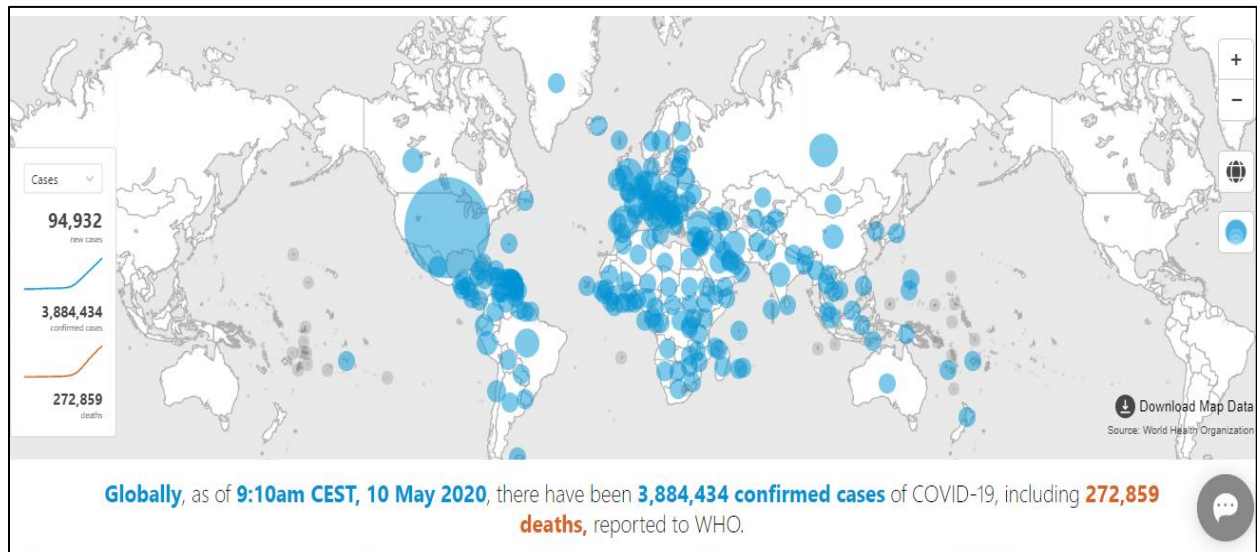
BACKGROUND: - Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Its first case was reported in China. On 31st December 2019, the World Health Organization (WHO) China Country Office was informed of cases of pneumonia of unknown etiology (unknown cause) 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 10.05.2020, worldwide, a total 3,884,434 cases of this disease have been reported. Out of the 215 affected countries / areas / territories the mostly affected countries were United States of America, Spain, Italy, The United Kingdom, Germany, Russia, Germany, Brazil, France, Turkey, Iran, China, Canada, etc. (Figure No. 1).

Figure No. 1: Worldwide Distribution of COVID-19 Patients (as on 10.05.2020)

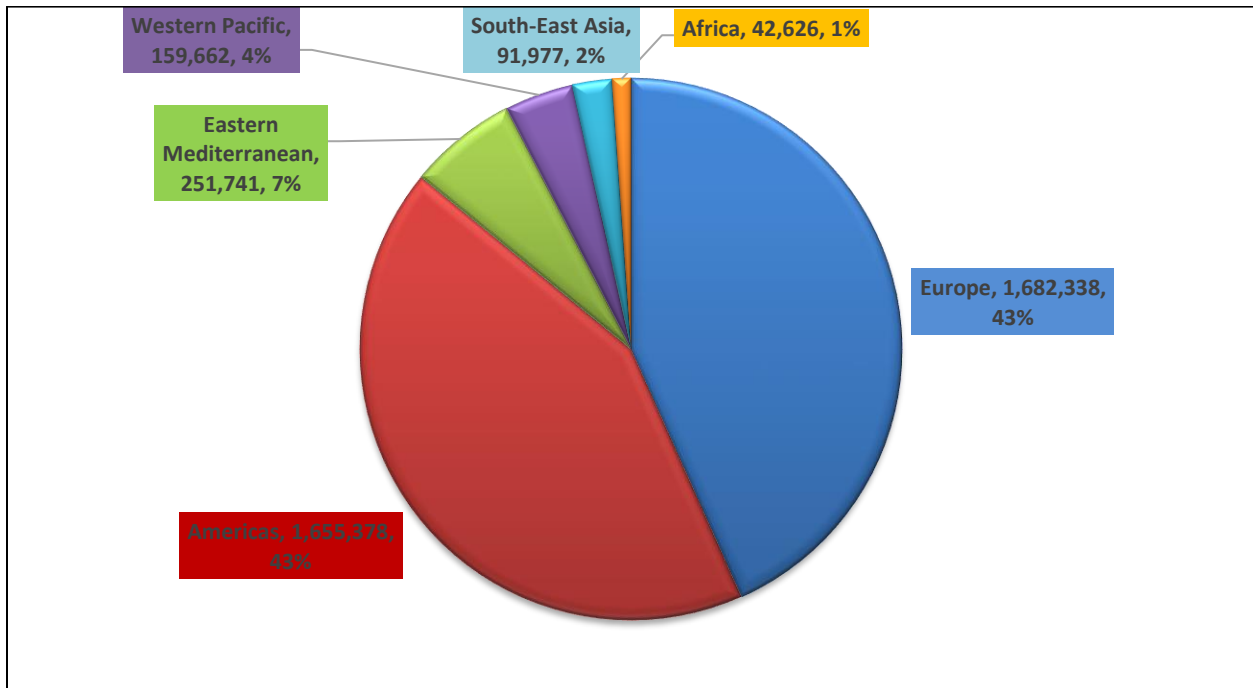


Source – World Health Organisation (WHO) Link-<https://covid19.who.int/> (Retrieved on 10.05.2020 at 05:45 PM)

The distribution of COVID-19 cases in WHO Regions, represent that Europe Region is having highest share followed by Americas 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 Europe and Americas 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 10.05.2020)



Source – World Health Organisation (WHO)

Figure No. 3: Epidemic Curve of Confirmed COVID-19, by Date of Report and WHO Region through 09.05.2020

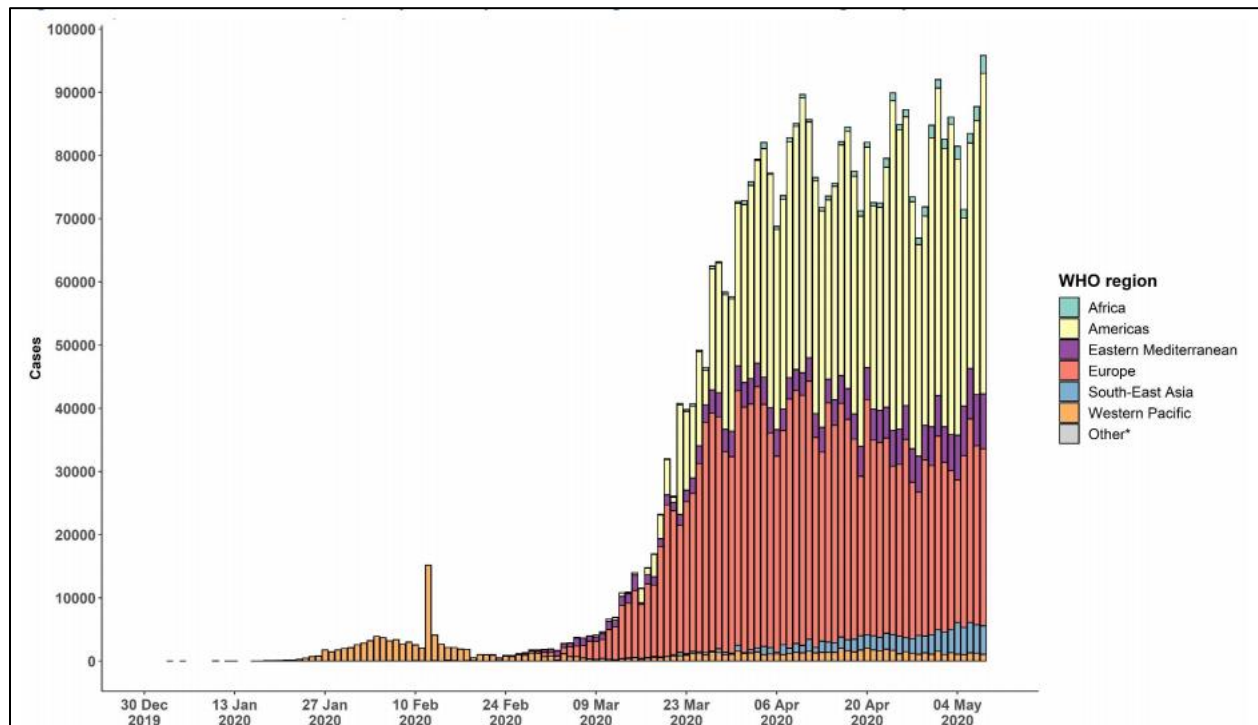


Figure Source – Situation Report, World Health Organisation (WHO)

Figure No. 4: Countries, Territories or Areas with Reported Confirmed Cases of COVID-19 in the last 7 Days (as on 09.05.2020)

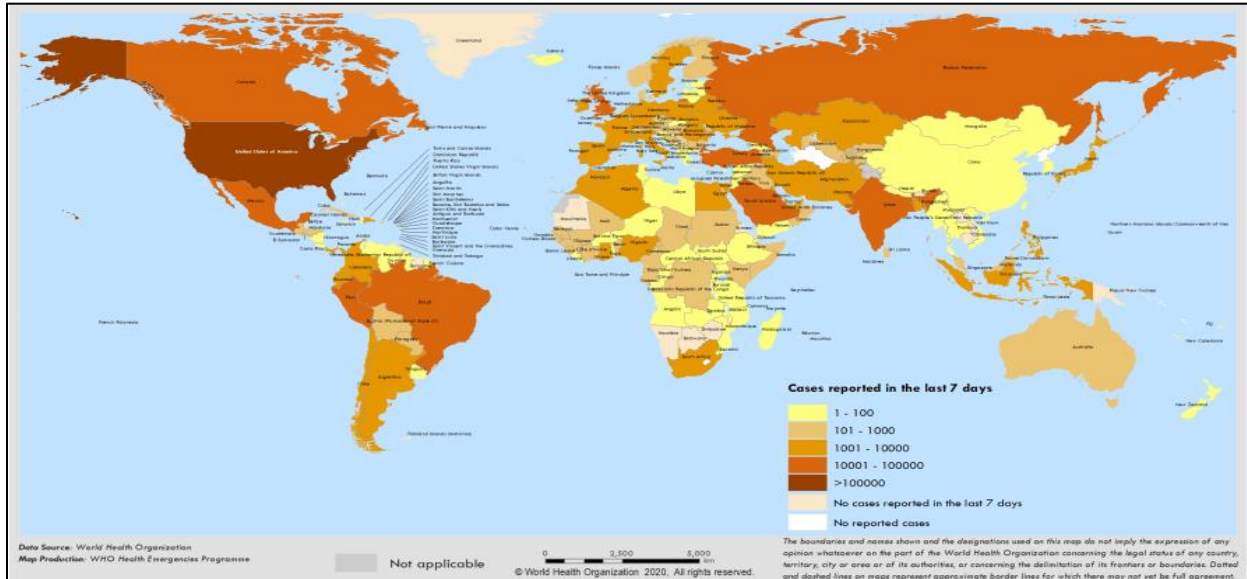
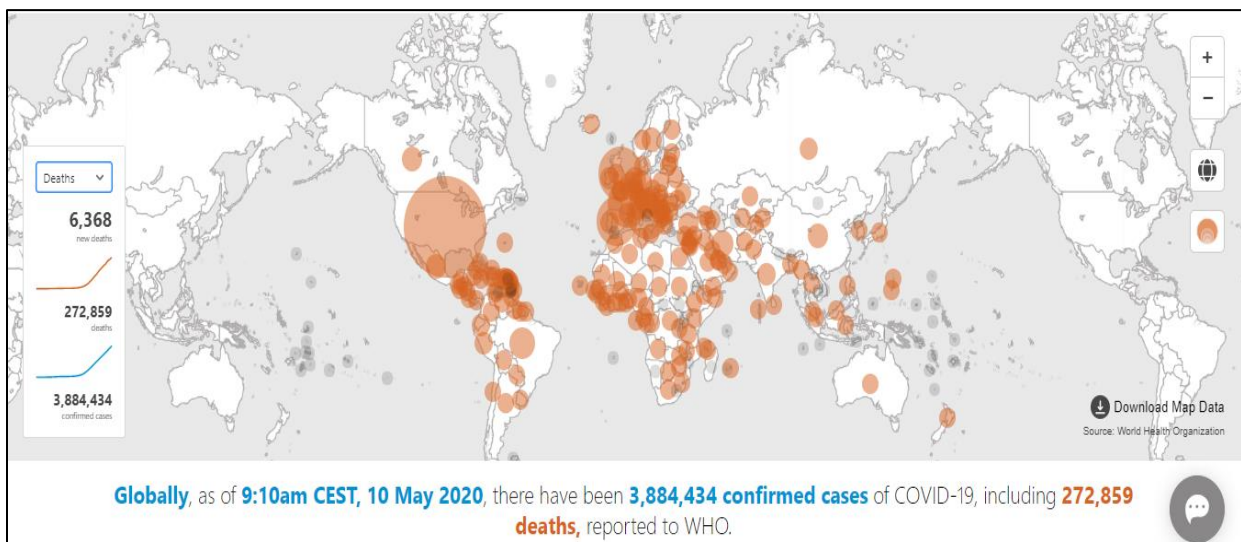


Figure Source – Situation Report, World Health Organisation (WHO)

COVID-19 is also causing deaths worldwide. Since its inception, till 10.05.2020, total 272,859 deaths were reported by WHO. According to WHO, till 10.05.2020, highest deaths of COVID-19 patients occurred in United States of America followed by The United Kingdom, Italy, Spain, France, Brazil, Belgium, Germany, Iran, Netherlands, China, Canada, etc.

Figure No. 5: Worldwide Distribution of Deaths of COVID-19 Patients (as on 10.05.2020)



Source – World Health Organisation (WHO) Link-<https://covid19.who.int/> (Retrieved on 10.05.2020 at 5:57 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.

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 10.05.2020, total 62,939 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 10.05.2020, the death toll crossed to 2109. 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 Death (as on 10.05.2020)

Variables	World	India
Total Cases	3,884,434	62,939
Total Deaths	272,859	2109
Mortality (%)	7.02%	3.35%

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

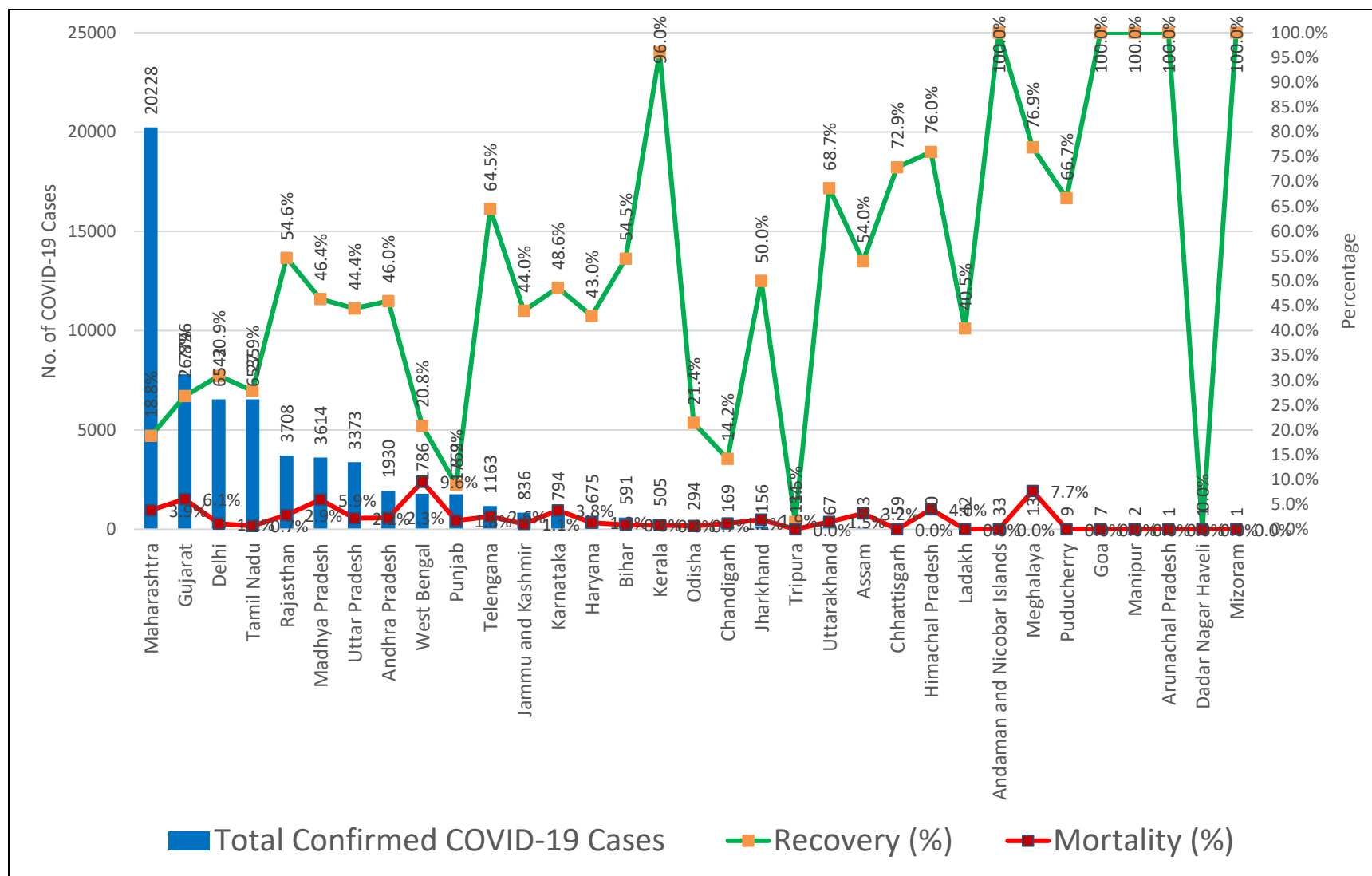
Table No. 2: State Wise Distribution of COVID-19 Cases & Death in India (as on 10.05.2020)

S. No.	Name of State / UT	Total Confirmed cases (Including 111 foreign Nationals)	Cured / Discharged / Migrated	Deaths (more than 70% cases due to comorbidities)	Active Cases	Recovery (%)	Mortality (%)	Total Case Per Million Population	Active Case Load Per Million Population
1	Andaman and Nicobar Islands	33	33	0	0	100.00%	0.00%	87	0
2	Andhra Pradesh	1930	887	44	999	45.96%	2.28%	39	20
3	Arunachal Pradesh	1	1	0	0	100.00%	0.00%	1	0
4	Assam	63	34	2	27	53.97%	3.17%	2	1
5	Bihar	591	322	5	264	54.48%	0.85%	6	3
6	Chandigarh	169	24	2	143	14.20%	1.18%	160	135
7	Chhattisgarh	59	43	0	16	72.88%	0.00%	2	1
8	Dadar Nagar Haveli	1	0	0	1	0.00%	0.00%	3	3
9	Delhi	6542	2020	73	4449	30.88%	1.12%	390	265
10	Goa	7	7	0	0	100.00%	0.00%	5	0
11	Gujarat	7796	2091	472	5233	26.82%	6.05%	129	87
12	Haryana	675	290	9	376	42.96%	1.33%	27	15
13	Himachal Pradesh	50	38	2	10	76.00%	4.00%	7	1
14	Jammu and Kashmir	836	368	9	459	44.02%	1.08%	67	37
15	Jharkhand	156	78	3	75	50.00%	1.92%	5	2
16	Karnataka	794	386	30	378	48.61%	3.78%	13	6
17	Kerala	505	485	4	16	96.04%	0.79%	15	0
18	Ladakh	42	17	0	25	40.48%	0.00%	315	187
19	Madhya Pradesh	3614	1676	215	1723	46.38%	5.95%	50	24
20	Maharashtra	20228	3800	779	15649	18.79%	3.85%	180	139
21	Manipur	2	2	0	0	100.00%	0.00%	1	0
22	Meghalaya	13	10	1	2	76.92%	7.69%	4	1
23	Mizoram	1	1	0	0	100.00%	0.00%	1	0
24	Odisha	294	63	2	229	21.43%	0.68%	7	5
25	Puducherry	9	6	0	3	66.67%	0.00%	7	2
26	Punjab	1762	157	31	1574	8.91%	1.76%	64	57
27	Rajasthan	3708	2026	106	1576	54.64%	2.86%	54	23
28	Tamil Nadu	6535	1824	44	4667	27.91%	0.67%	91	65
29	Telangana	1163	750	30	383	64.49%	2.58%	33	11
30	Tripura	134	2	0	132	1.49%	0.00%	36	36
31	Uttarakhand	67	46	1	20	68.66%	1.49%	7	2
32	Uttar Pradesh	3373	1499	74	1800	44.44%	2.19%	17	9
33	West Bengal	1786	372	171	1243	20.83%	9.57%	20	14
	India	62939	19358	2109	41472	30.76%	3.35%	520	343

Source-MOHFW Link - <https://www.mohfw.gov.in/> (Retrieved on 10.05.2020 at 6:20 PM)

The number of COVID-19 cases are increasing continuously since the inception of first case. On dated 10.05.2020, Maharashtra, Gujrat, Delhi, Tamil Nadu, 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, Rajasthan, Uttar Pradesh, Delhi, 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 Distribution of Total COVID-19 Cases, Mortality (%) and Recovery (%) in India (as on 10.05.2020)

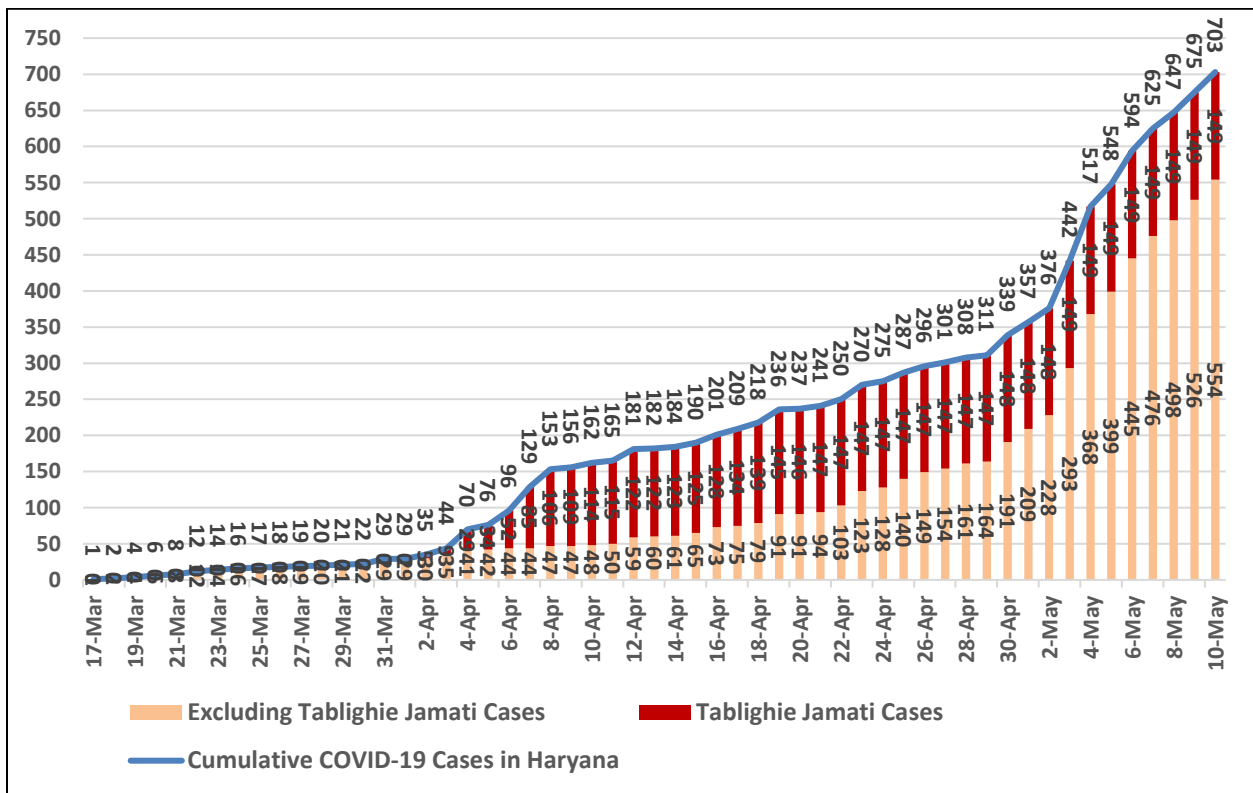


Source – MOHFW Link - <https://www.mohfw.gov.in/> (Retrieved on 10.05.2020 at 6:30 PM)

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 703 on 10.05.2020. Out of these cases, 300 have cured and 10 deaths were reported till 10.05.2020. 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=703) (as on 10.05.2020)



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: Date Wise Trend of COVID-19 Cumulative Cases in Haryana since the Inception of First Case on 17.03.2020 (N=703) (as on 10.05.2020)

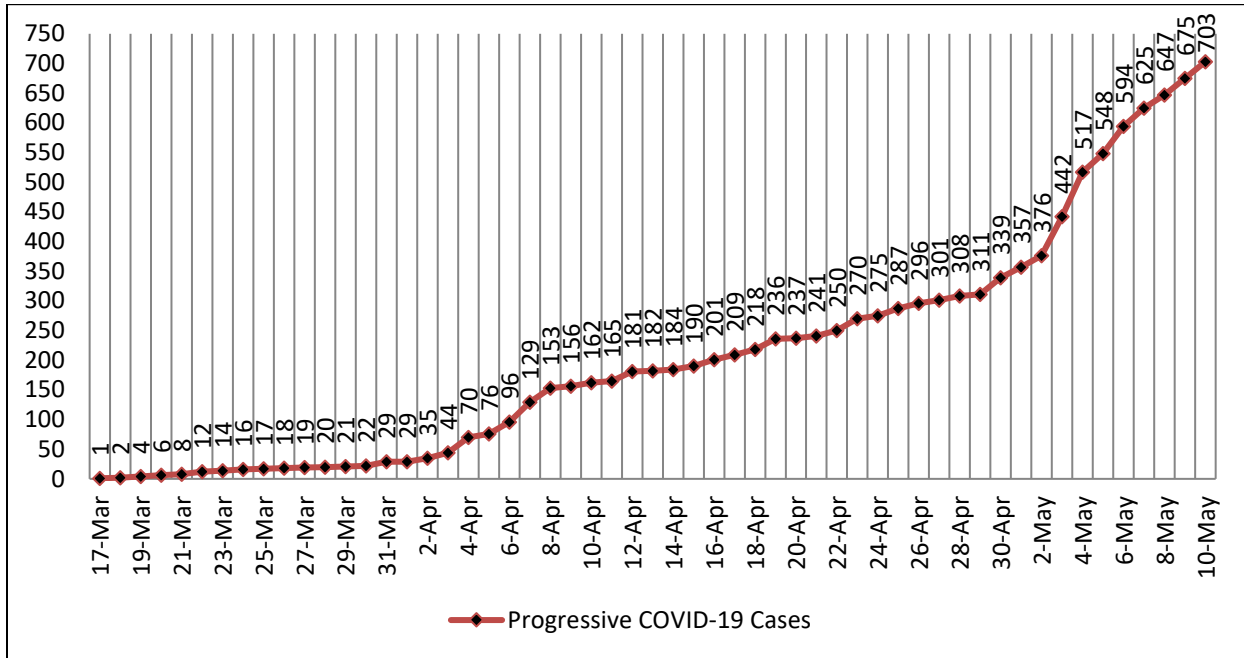


Figure No. 9: Day Wise Trend of COVID-19 Cumulative Cases in Haryana since the Inception of First Case on 17.03.2020 (N=703) (as on 10.05.2020)

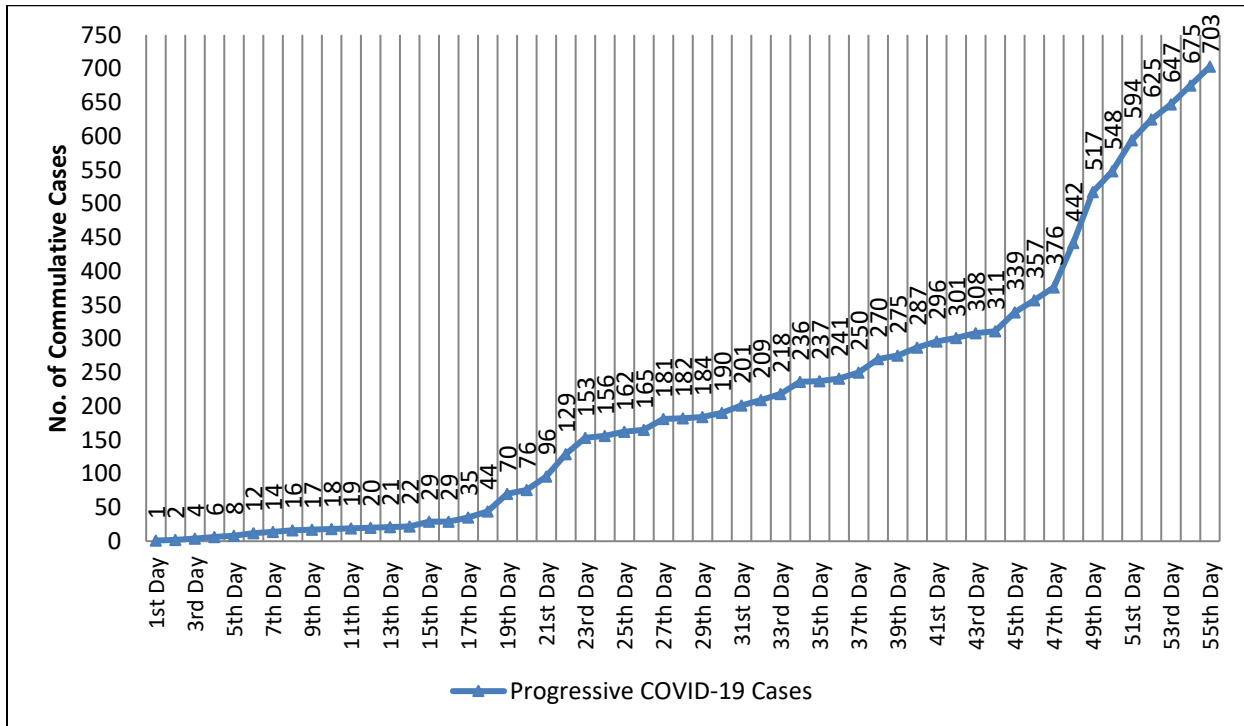
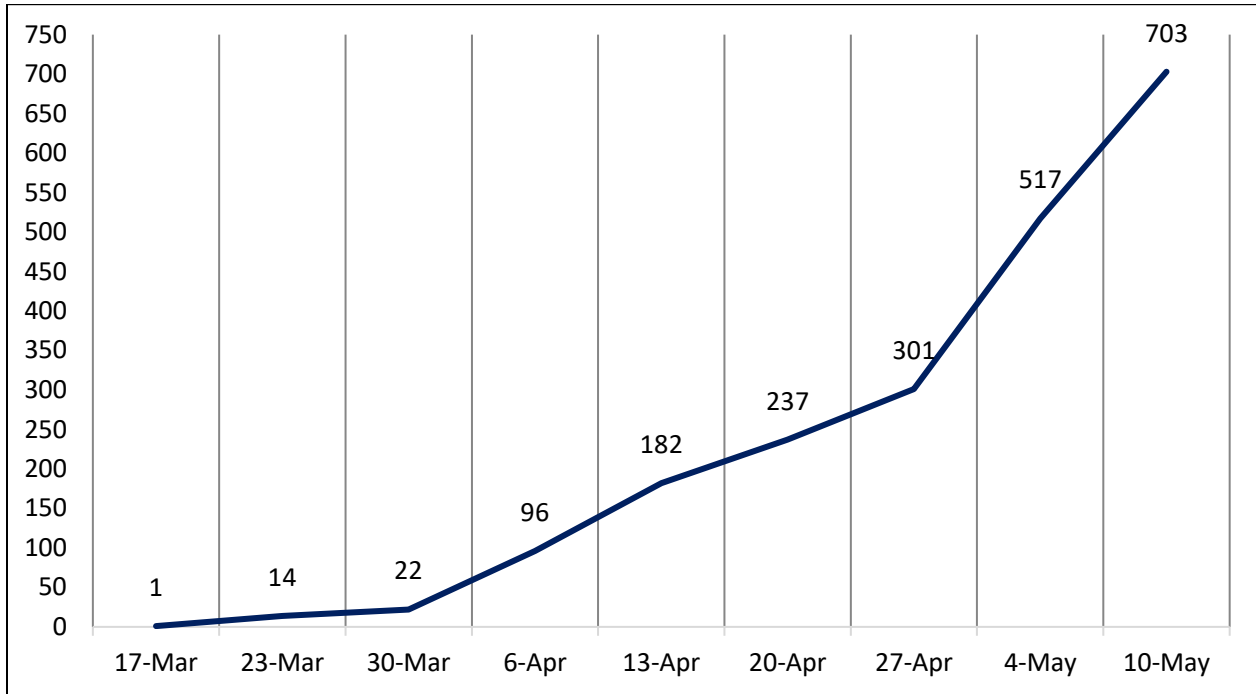


Figure No. 10: Weekly Trend of COVID-19 Cumulative Cases in Haryana since the Inception of First Case on 17.03.2020 (N=703) (as on 10.05.2020)



The details of number of new cases of COVID-19 in Haryana as per day and date are mentioned in Figure No. 11 and 12.

Figure No. 11: Date Wise Distribution of COVID-19 New Cases in Haryana (as on 10.05.2020)

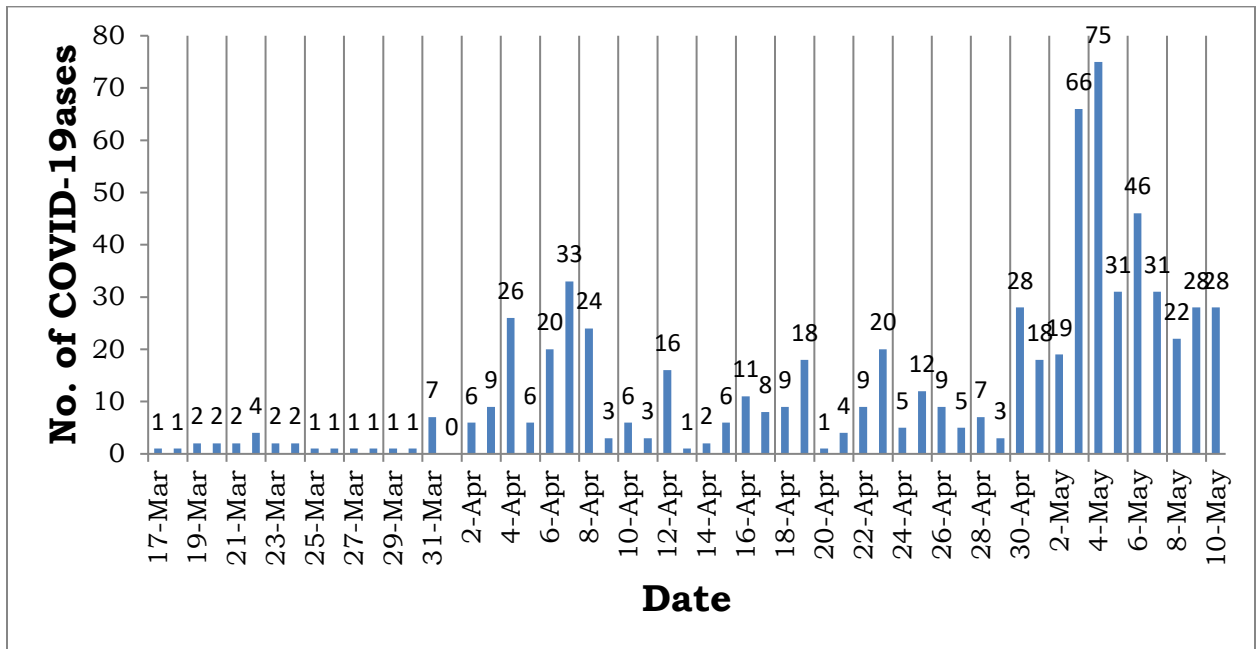
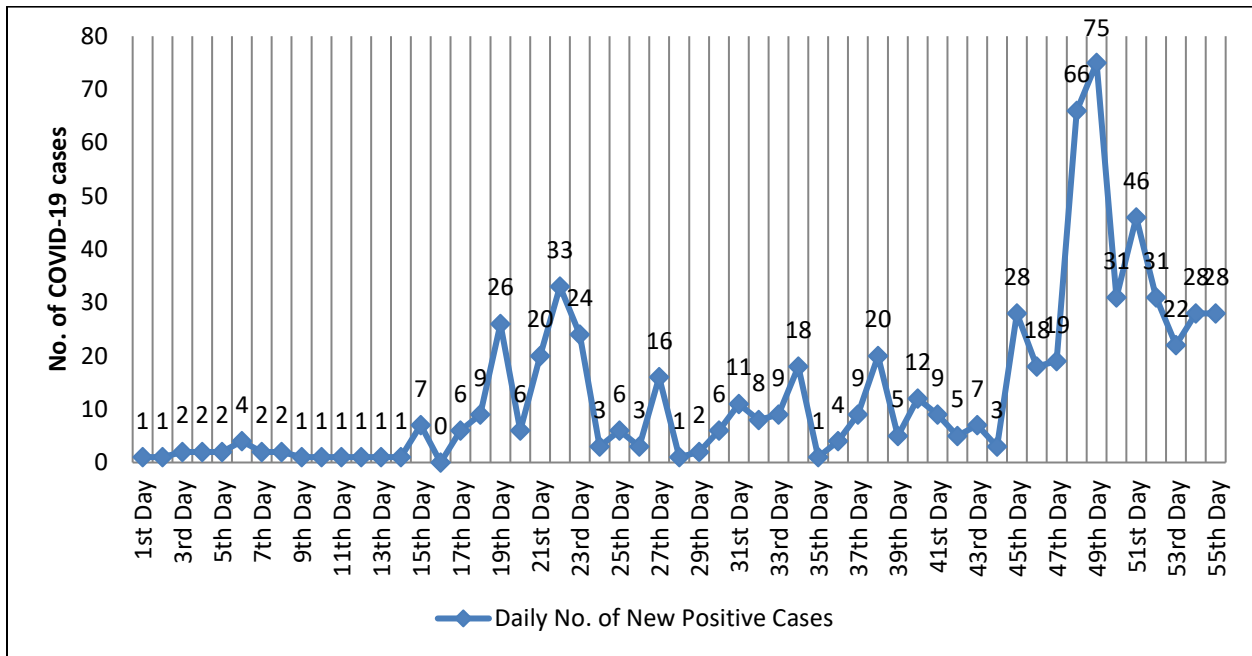


Figure No. 12: Day Wise Distribution of COVID-19 New Cases in Haryana (as on 10.05.2020)



The distribution of current cumulative cases according to categories are projected in Figure No. 13.

Figure No. 13: Category Wise Distribution of COVID-19 Cumulative Cases in Haryana (N=703)

(as on 10.05.2020)

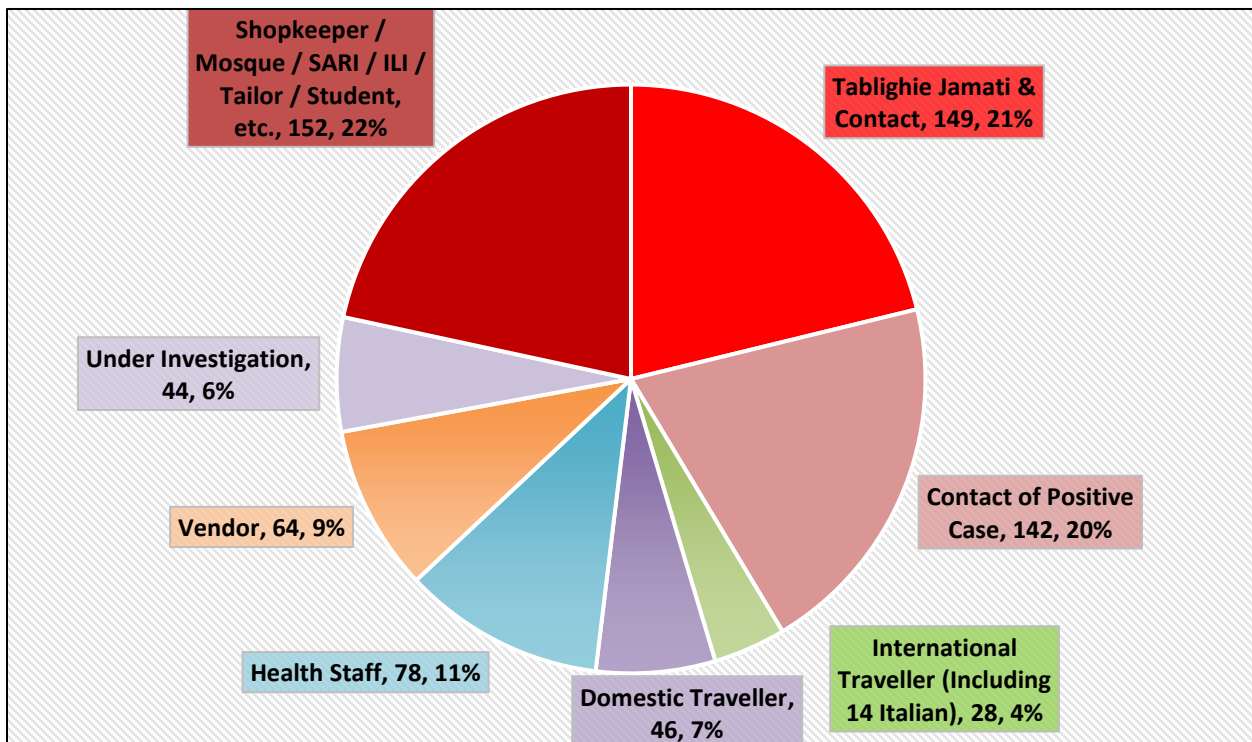


Figure No. 14: Gender Wise Distribution of COVID-19 Cumulative Cases in Haryana (N=703) (as on 10.05.2020)

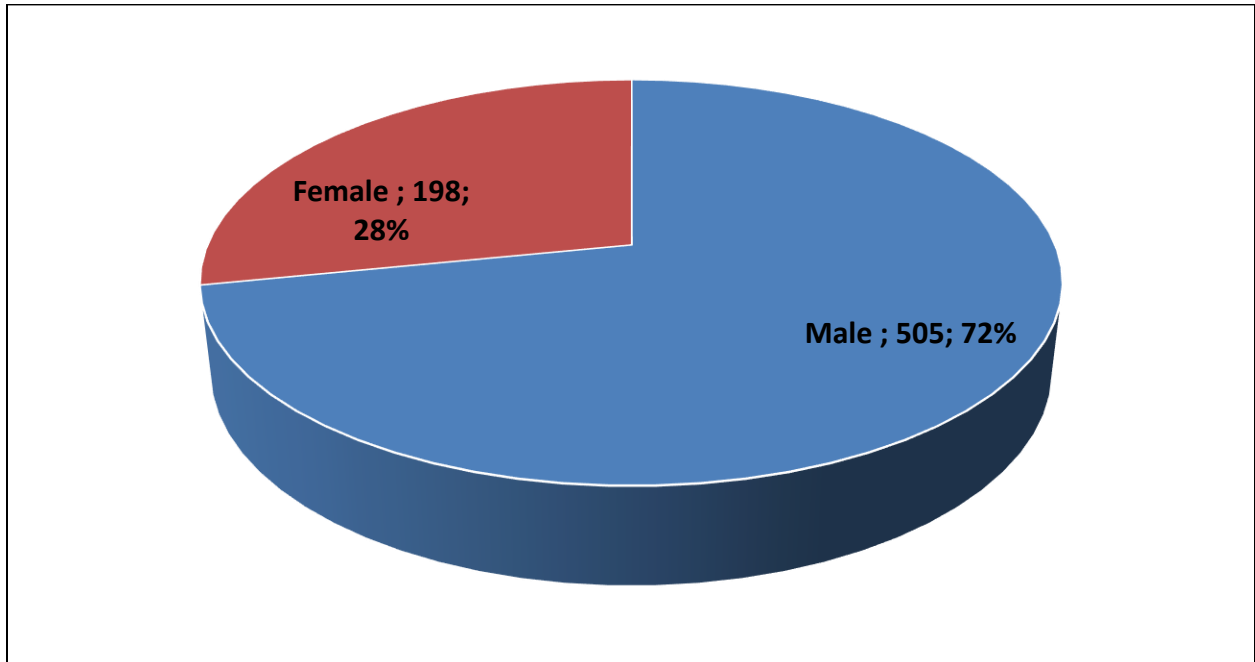
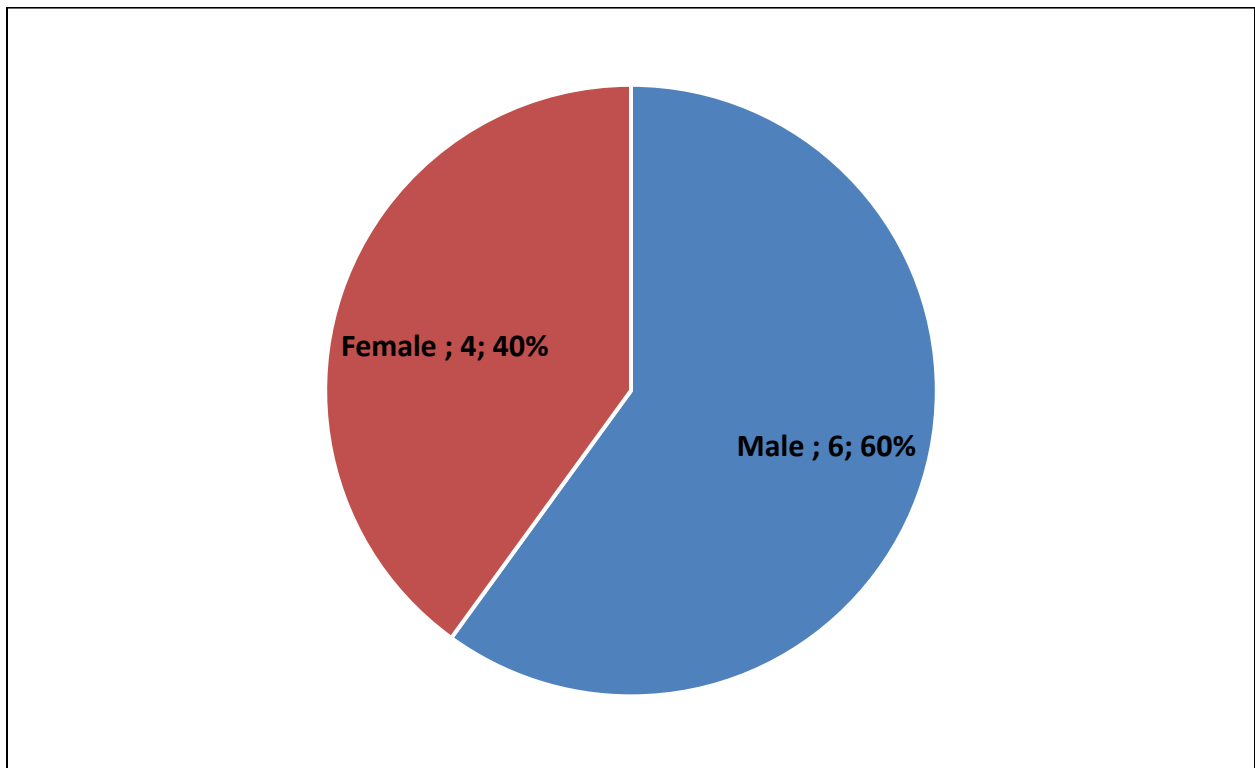


Figure No. 15: Gender Wise Distribution of COVID-19 Deaths in Haryana (N=10) (as on 10.05.2020)



The age wise distribution of cumulative COVID-19 Cases in Haryana is given in the Figure No. 16. Highest number of the cases present in Haryana belongs to age group 25-34 years followed by age groups 15-24 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 5-14 years and 75-84 years.

Figure No. 16: Age Wise Distribution of COVID-19 Cases in Haryana (N=703) (as on 10.05.2020)

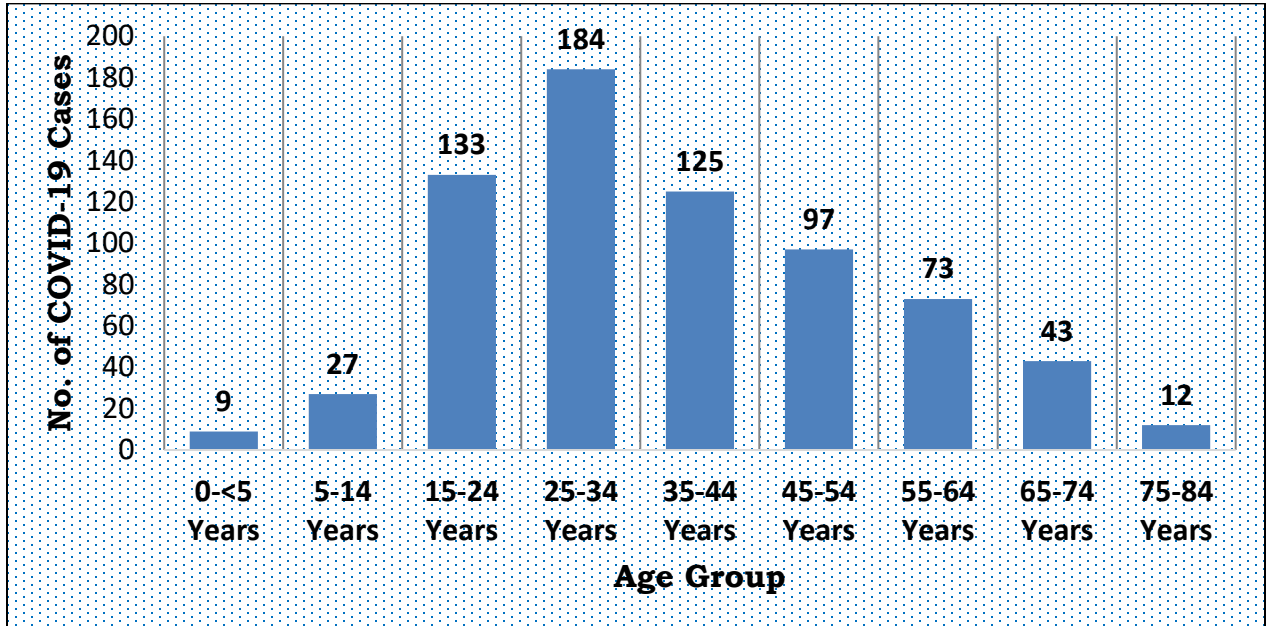


Figure No. 17: Age Wise Distribution of COVID-19 Deaths in Haryana (N=10) (as on 10.05.2020)

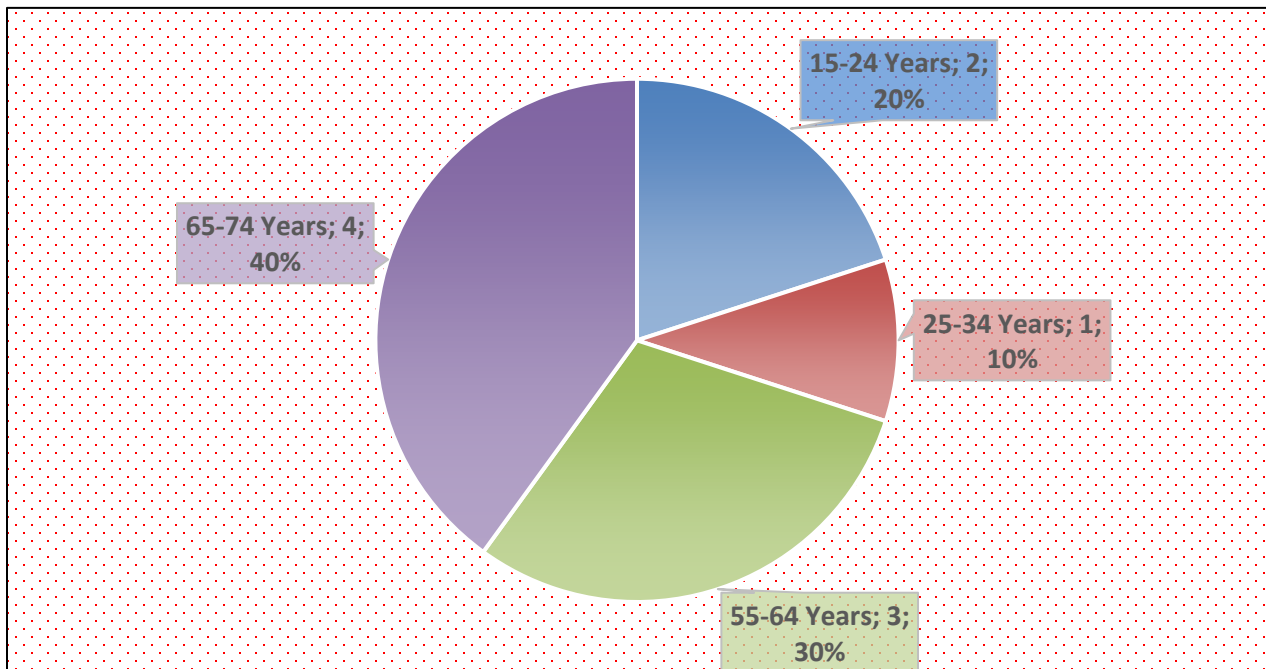
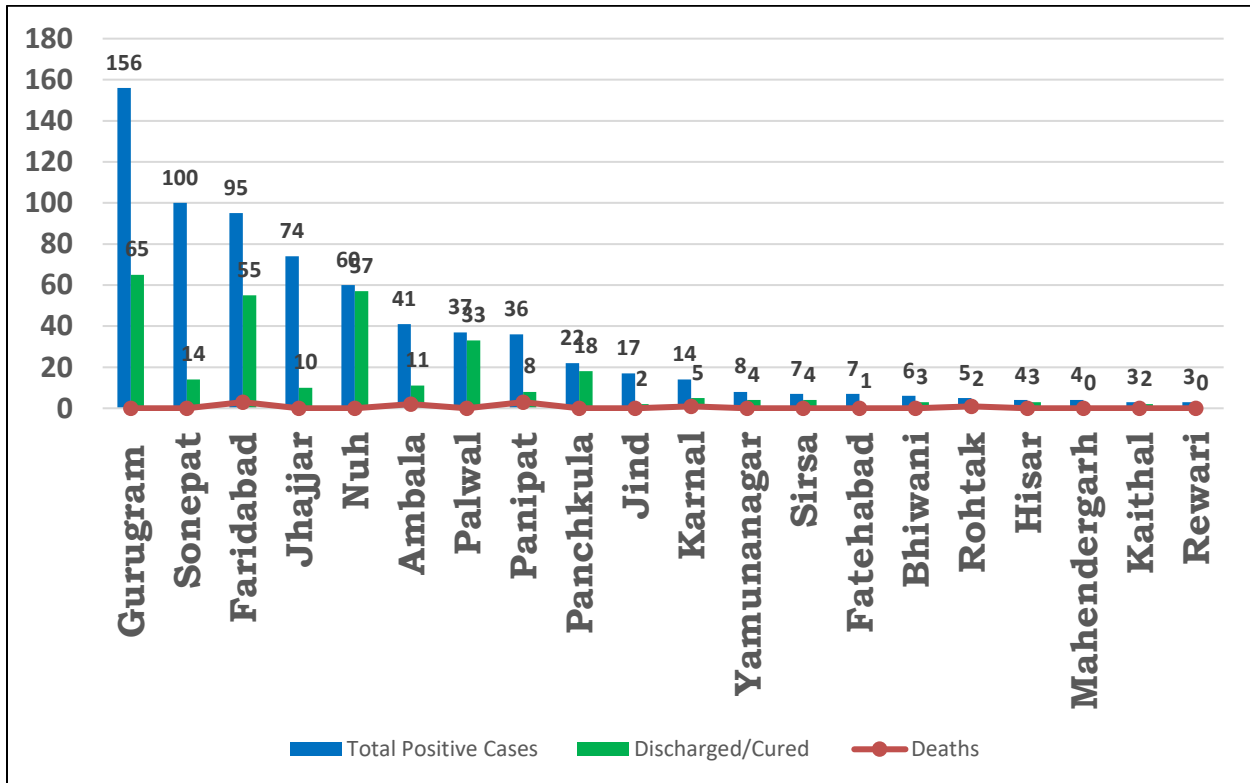


Table No. 3: Age Wise Distribution of COVID-19 Cases and Deaths in Haryana (as on 10.05.2020)

Age Group	No. of Cases	No. of Death	Mortality (%)
0-<5	9	0	0.00%
5-14	27	0	0.00%
15-24	133	2	1.50%
25-34	184	1	0.54%
35-44	125	0	0.00%
45-54	97	0	0.00%
55-64	73	3	4.11%
65-74	43	4	9.30%
75-84	12	0	0.00%
Total	703	10	1.42%

Figure No. 18: District Wise Distribution of COVID-19 Cases in Haryana (as on 10.05.2020)



On date 10.05.2020, districts Gurugram, Sonapat, Faridabad, 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=703) (as on 10.05.2020)

District	Total Positive Cases	Discharged / Cured	Deaths	Total Active Cases	Active Case Load Per Million Population	Mortality (%)	Recovery (%)	Positive Cases Per Million Population
Gurugram	156	65	0	91	60	0.0%	41.7%	103
Sonepat	100	14	0	86	59	0.0%	14.0%	69
Faridabad	95	55	3	37	20	3.2%	57.9%	52
Jhajjar	74	10	0	64	67	0.0%	13.5%	77
Nuh	60	57	0	3	3	0.0%	95.0%	55
Ambala	41	11	2	28	25	4.9%	26.8%	36
Palwal	37	33	0	4	4	0.0%	89.2%	35
Panipat	36	8	3	25	21	8.3%	22.2%	30
Panchkula	22	18	0	4	7	0.0%	81.8%	39
Jind	17	2	0	15	11	0.0%	11.8%	13
Karnal	14	5	1	8	5	7.1%	35.7%	9
Yamunanagar	8	4	0	4	3	0.0%	50.0%	7
Sirsa	7	4	0	3	2	0.0%	57.1%	5
Fatehabad	7	1	0	6	6	0.0%	14.3%	7
Bhiwani	6	3	0	3	3	0.0%	50.0%	5
Rohtak	5	2	1	2	2	20.0%	40.0%	5
Hisar	4	3	0	1	1	0.0%	75.0%	2
Mahendergarh	4	0	0	4	4	0.0%	0.0%	4
Kaithal	3	2	0	1	1	0.0%	66.7%	3
Rewari	3	0	0	3	3	0.0%	0.0%	3
Kurukshetra	2	2	0	0	0	0.0%	100.0%	2
Ch. Dadari	2	1	0	1	2	0.0%	50.0%	4
Haryana	703	300	10	393	15	1.4%	42.7%	28

Table No. 5: COVID-19 Testing Status in Haryana (as on 10.05.2020)

S. No.	District	Total Sample Collected	Positive	Negative	Awaited	Total Sample Tested	Positivity Rate (%)	Samples Collected Per Million Population
1	Ambala	3136	41	2827	268	2868	1.4	2779
2	Bhiwani	848	6	799	43	805	0.7	708
3	Charkhi Dadri	802	2	672	128	674	0.3	1597
4	Faridabad	5232	95	4888	249	4983	1.9	2891
5	Fatehabad	1917	7	1707	203	1714	0.4	2035
6	Gurugram	7543	156	7179	208	7335	2.1	4981
7	Hisar	2922	4	2685	233	2689	0.1	1676
9	Jhajjar	3192	74	2908	210	2982	2.5	3331
8	Jind	2763	17	2414	332	2431	0.7	2071
11	Kaithal	1325	3	1102	220	1105	0.3	1233
10	Karnal	2083	14	1800	269	1814	0.8	1384
12	Kurukshetra	1917	2	1671	244	1673	0.1	1987
14	Narnaul	1608	4	1375	229	1379	0.3	1744
13	Nuh	3127	60	2910	157	2970	2.0	2871
15	Palwal	2739	37	2419	283	2456	1.5	2627
16	Panchkula	2370	22	2174	174	2196	1.0	4222
17	Panipat	1838	36	1465	337	1501	2.4	1525
18	Rewari	1671	3	1380	288	1383	0.2	1856
19	Rohtak	3523	5	3167	351	3172	0.2	3320
21	Sirsa	937	7	778	152	785	0.9	723
20	Sonipat	3478	100	2984	394	3084	3.2	2399
22	Yamuna Nagar	2012	8	1742	262	1750	0.5	1657
	Haryana	56983	703	51046	5234	51749	1.4	8032

Figure No. 19: Date Wise Trend of Positivity Rate and Sample Tested in Haryana (as on 10.05.2020)

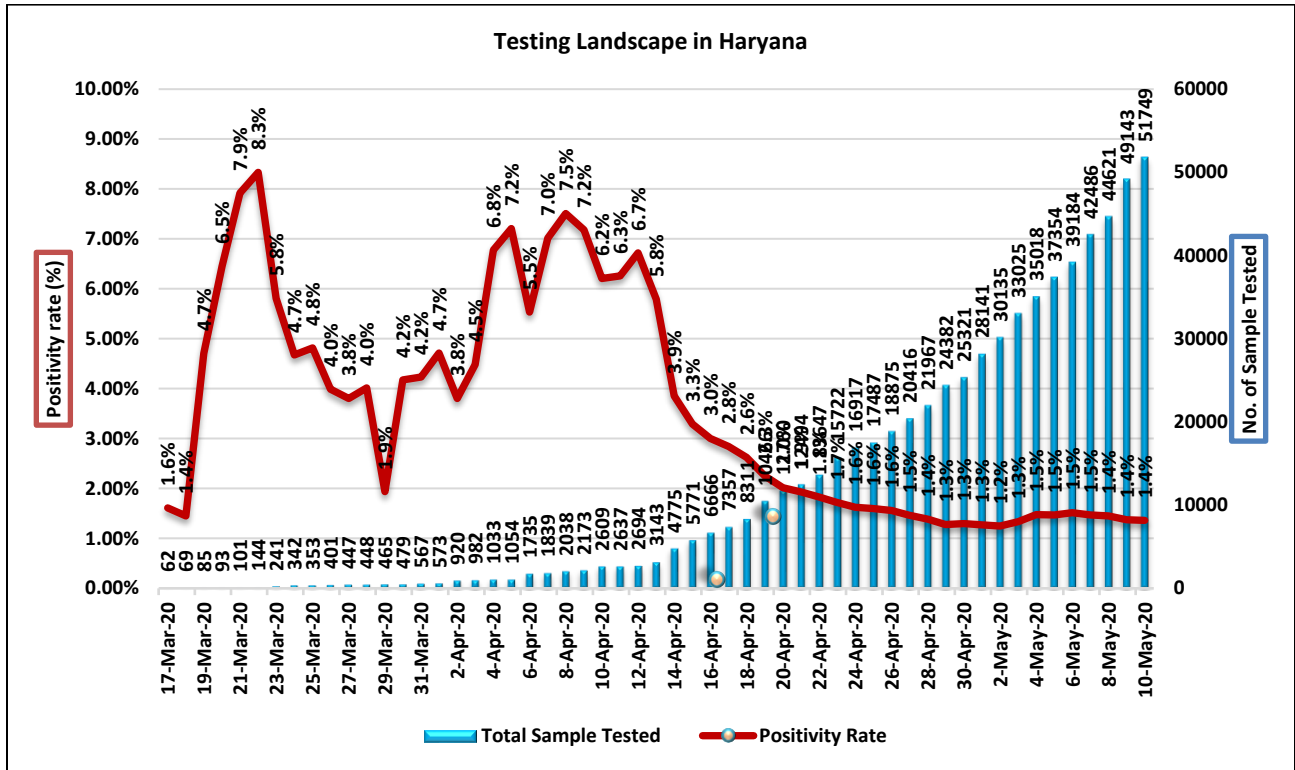


Figure No. 20: District Wise Comparison of Positivity Rate (%) and Samples Collected Per Million Population (as on 10.05.2020)

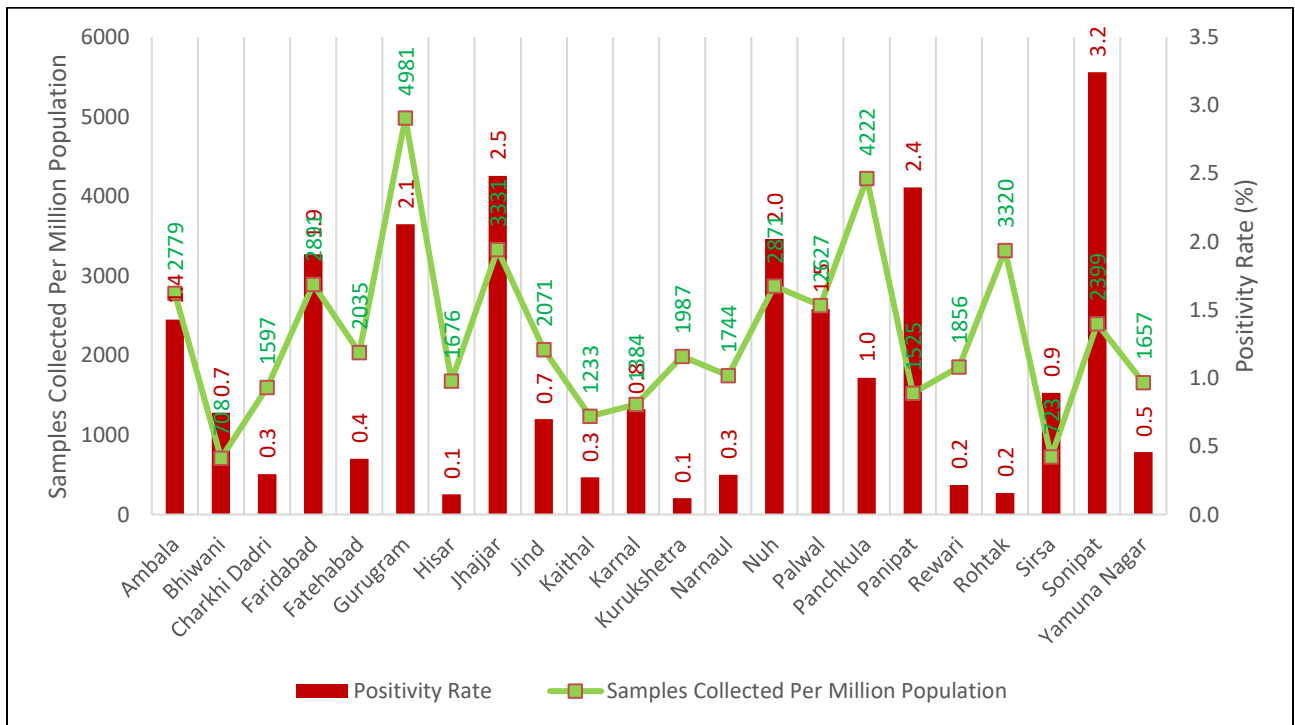


Figure No. 21: District Wise Distribution of Containment Zones and Person Found Symptomatic ILI / SARI in Haryana (as on 10.05.2020)

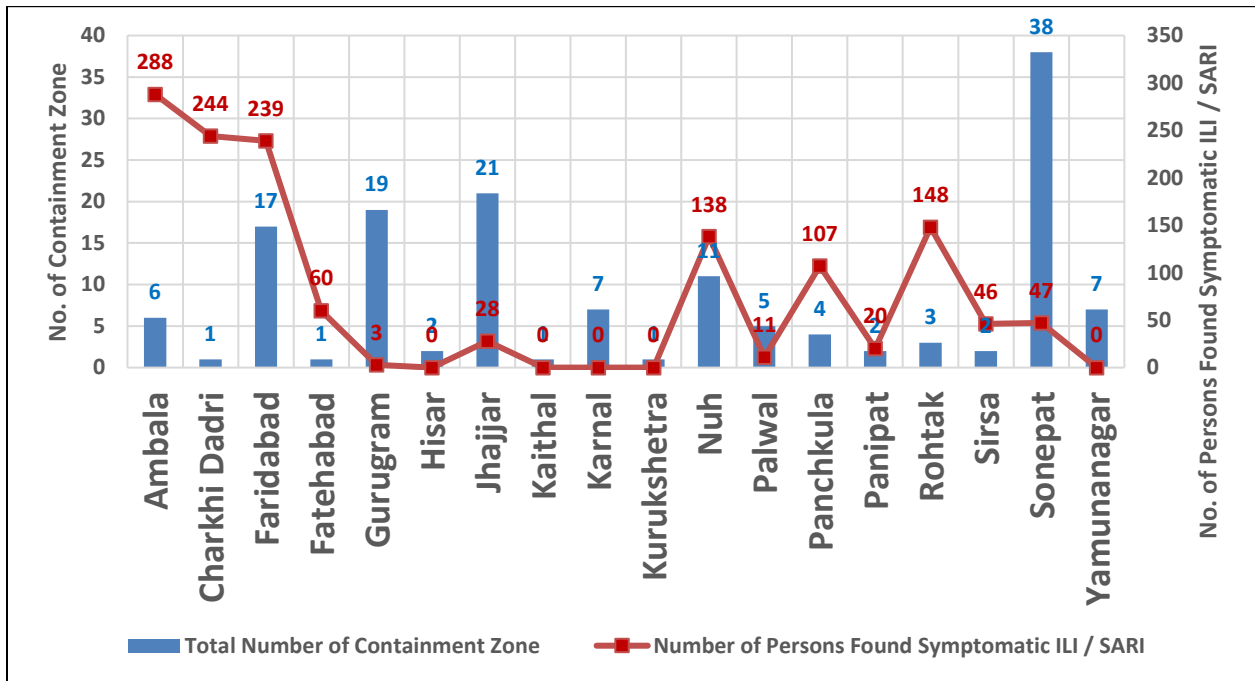


Table No. 6: District Wise Distribution of Containment Zones in Haryana (as on 10.05.2020)

Districts	Total Number of Containment Zone	Total Households in Containment Zone	Total Population in Containment Zone	Number of Persons Found Symptomatic ILI / SARI
Ambala	6	11936	54959	288
Charkhi Dadri	1	5454	24656	244
Faridabad	17	45120	205683	239
Fatehabad	1	1050	6525	60
Gurugram	19	64004	323530	3
Hisar	2	1067	6681	0
Jhajjar	21	15952	53809	28
Kaithal	1	1220	5023	0
Karnal	7	2426	12136	0
Kurukshetra	1	212	960	0
Nuh	11	14298	115060	138
Palwal	5	9147	74257	11
Panchkula	4	6772	38747	107
ssPanipat	2	6350	29462	20
Rohtak	3	2441	17710	148
Sirsa	2	3115	15930	46
Sonepat	38	39967	206196	47
Yamunanagar	7	2608	13688	0
Total	148	233139	1205012	1379

Table No. 7: District Wise Distribution of Dedicated COVID-19 Hospital /DCH in Haryana (as on 10.05.2020)

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	345	61	18	3	1260	1220	4
Bhiwani	1	13	3	10	13	6	1	1	5	20	1
Charkhi Dadri	1	60	30	30	10	10	9	1	126	100	1
Faridabad	4	262	114	148	148	73	20	4	7500	3657	4
Gurugram	4	217	126	91	145	64	29	4	1262	3775	4
Hisar	2	485	252	233	260	58	25	2	1723	9462	2
Jhajjar	6	469	32	437	441	75	49	5	137	57	6
Karnal	1	12	10	2	12	40	7	1	10	2	1
Kurukshetra	1	120	20	100	47	5	5	1	146	112	1
Mahendragarh	1	25	10	15	25	7	2	1	500	1000	1
Nuh	1	163	120	43	163	14	4	1	5259	14940	1
Palwal	2	51	51	0	19	36	4	2	20	100	2
Panchkula	2	124	72	52	31	24	10	2	1293	1896	2
Panipat	2	24	14	10	24	14	8	2	75	100	2
Rewari	1	20	5	15	20	8	6	1	10	50	1
Rohtak	3	535	420	115	209	45	38	3	2701	35093	3
Sirsa	2	100	50	50	45	20	9	2	25	35	2
Sonipat	2	178	53	125	173	20	11	2	3963	24201	2
Yamunanagar	3	74	26	48	34	22	8	3	277	135	3
Grand Total	43	3397	1797	1600	2164	602	263	41	26292	95955	43

Table No. 8: District Wise Distribution of Dedicated COVID-19 Health Centre / DCHC in Haryana (as on 10.05.2020)

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	3	856	957	6
Bhiwani	7	198	65	133	115	10	10	3	101	140	7
Charkhi Dadri	3	51	19	32	19	13	1	1	328	1796	3
Faridabad	22	667	262	405	268	113	82	15	1529	4930	22
Fatehabad	8	147	67	80	68	33	10	6	595	778	8
Gurugram	17	800	368	432	480	647	349	11	502	597	17
Hisar	11	592	286	306	265	246	59	10	1499	2172	11
Jhajjar	12	496	346	150	182	39	16	6	883	1978	12
Jind	6	232	40	192	154	20	3	0	1090	1024	6
Kaithal	4	257	50	207	131	17	11	2	729	772	4
Karnal	13	287	172	115	216	107	63	11	1677	11961	13
Kurukshetra	6	95	32	63	50	34	21	6	335	108	6
Mahendragarh	10	142	45	97	92	18	6	4	250	800	10
Nuh	1	32	2	30	32	0	0	0	465	455	1
Palwal	9	170	62	108	43	20	2	5	120	320	9
Panchkula	5	109	78	31	86	55	36	3	2323	1750	5
Panipat	4	136	32	104	80	4	5	2	186	5830	4
Rewari	9	199	74	125	69	55	30	1	713	2800	9
Rohtak	11	103	0	103	58	4	42	11	300	300	11
Sirsa	3	125	58	67	60	8	1	0	55	406	3
Sonipat	8	205	90	115	69	26	10	3	1663	1533	8
Yamunanagar	6	88	28	60	20	9	8	5	664	413	6
Grand Total	181	5354	2240	3114	2640	1501	788	108	16863	41820	181

Table No. 9: District Wise Distribution of Dedicated COVID-19 Centre / DCC in Haryana (as on 10.05.2020)

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	13
Charkhi Dadri	1	30	0	30	0	0	0	0	50	120	1
Faridabad	20	4610	295	4315	0	0	0	0	370	370	20
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	18	1219	0	1219	0	0	0	0	499	585	18
Jind	4	100	0	100	0	0	0	0	35	35	4
Kaithal	6	288	0	288	0	0	0	0	60	60	6
Karnal	4	140	0	140	0	0	0	0	97	360	4
Kurukshetra	9	140	34	106	0	0	0	0	236	278	9
M. Garh	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	8	408	0	408	0	0	0	0	40	160	8
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	22	38	0	38	0	0	0	0	44	44	22
s	377	26125	5206	20919	0	0	0	0	3375	5011	377

Figure No. 22: Moving Average (7 Days) of Daily New COVID-19 Cases in Haryana (as on 10.05.2020)

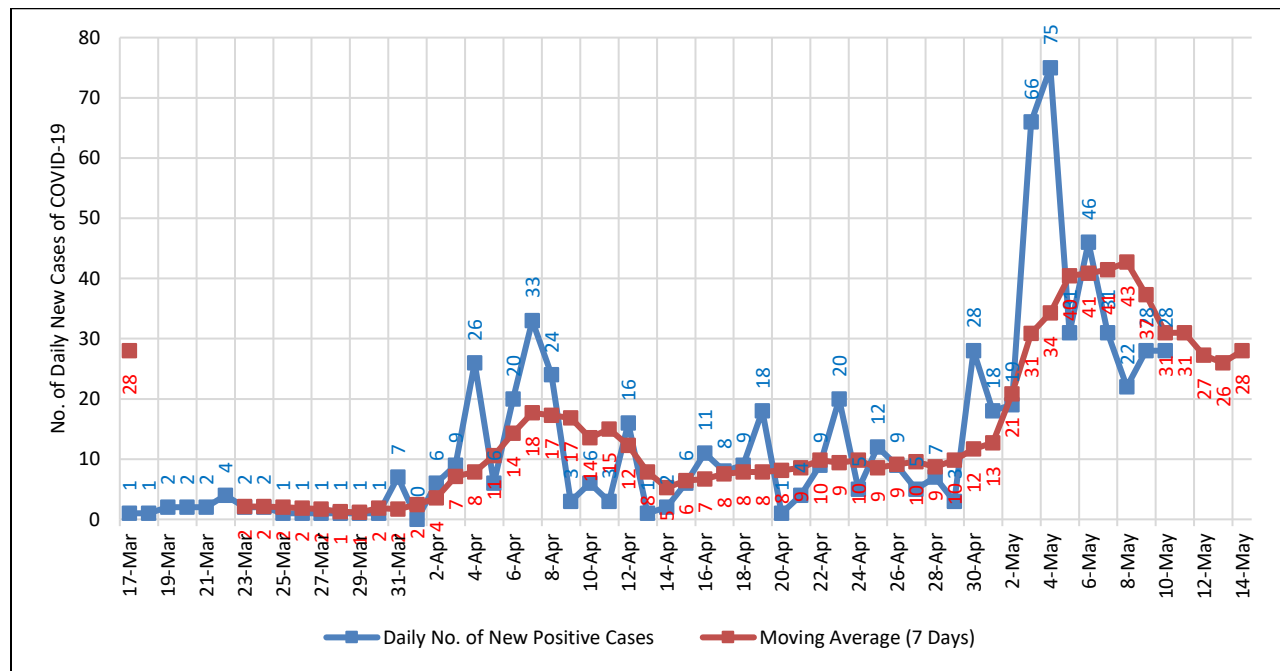


Table No. 10: Growth Rate and Moving Average (7 Days) of COVID-19 Cases in Haryana (as on 10.05.2020)

Day from Onset of COVID-19 Cases in Haryana	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

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Glossary of Formula Used: -

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