

STATUS REPORT OF COVID-19 IN HARYANA

(No. 4 / May 24th 2020)

Dr. Usha Gupta
Director Health Services (IDSP)
Directorate of Health Services, Haryana

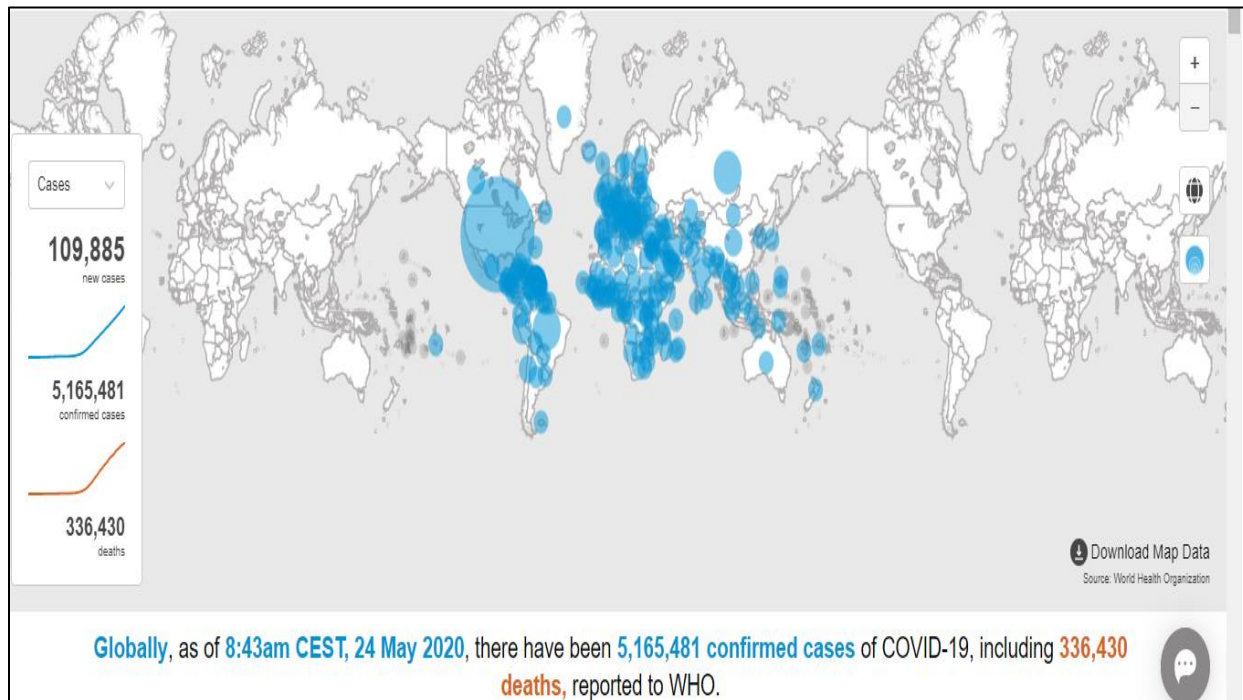
BACKGROUND: - Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Its first case was reported in China. On 31st December 2019, the World Health Organization (WHO) China Country Office was informed of cases of pneumonia of unknown etiology (unknown cause) 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 24.05.2020, worldwide, a total 5,165,481 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, Brazil, The United Kingdom, Spain, Italy, Germany, Turkey, France, Iran, India, Peru, etc. (Figure No. 1).

Figure No. 1: Worldwide Distribution of COVID-19 Patients (as on 24.05.2020)

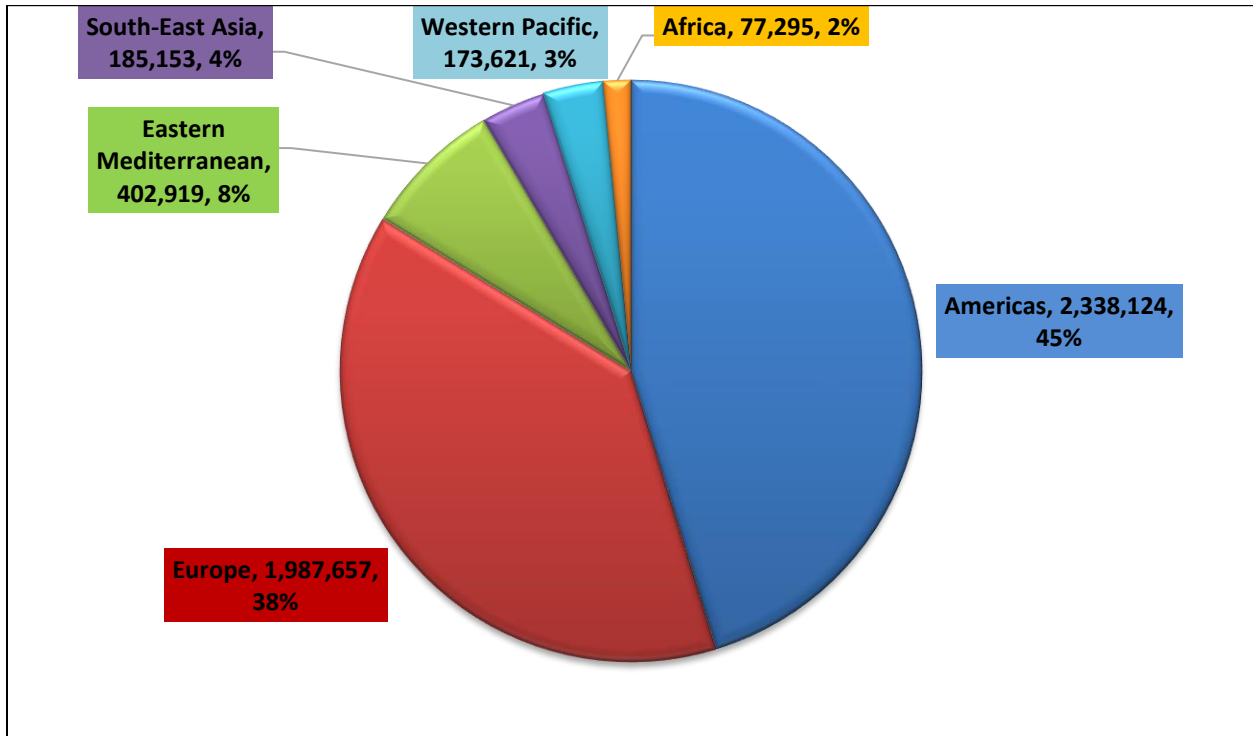


Source – World Health Organisation (WHO) Link-<https://covid19.who.int/> (Retrieved on 24.05.2020 at 03:00 PM)

The distribution of COVID-19 cases in WHO Regions, represent that Americas Region is having highest share followed by Europe Region, Eastern Mediterranean Region, South-East Asia Region, Western Pacific 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 24.05.2020)



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 23.05.2020

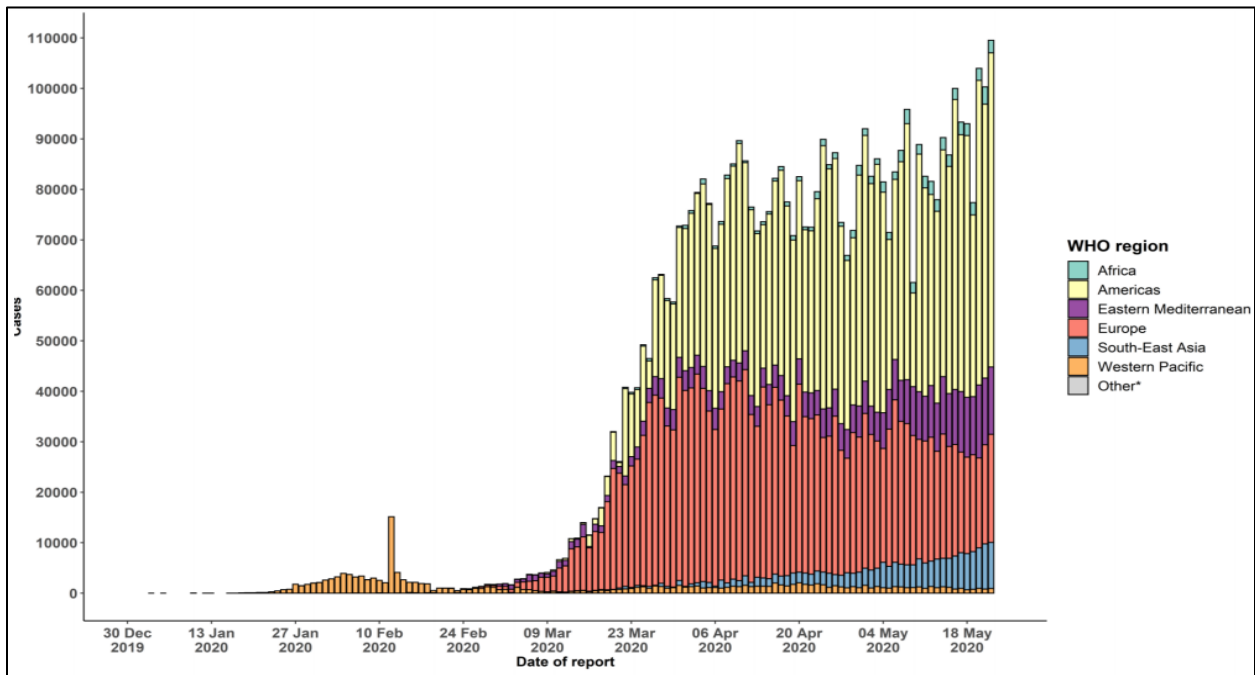


Figure Source – Situation Report, World Health Organisation (WHO)

Figure No. 4: Countries, Territories or Areas with Reported Confirmed Cases of COVID-19 in the last 7 Days (as on 23.05.2020)

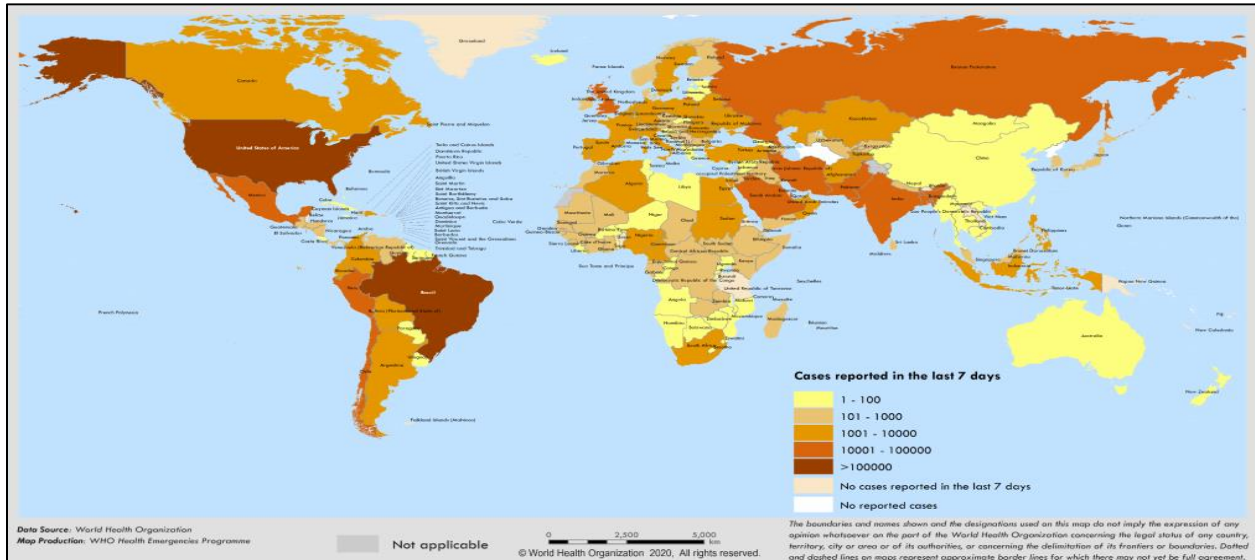
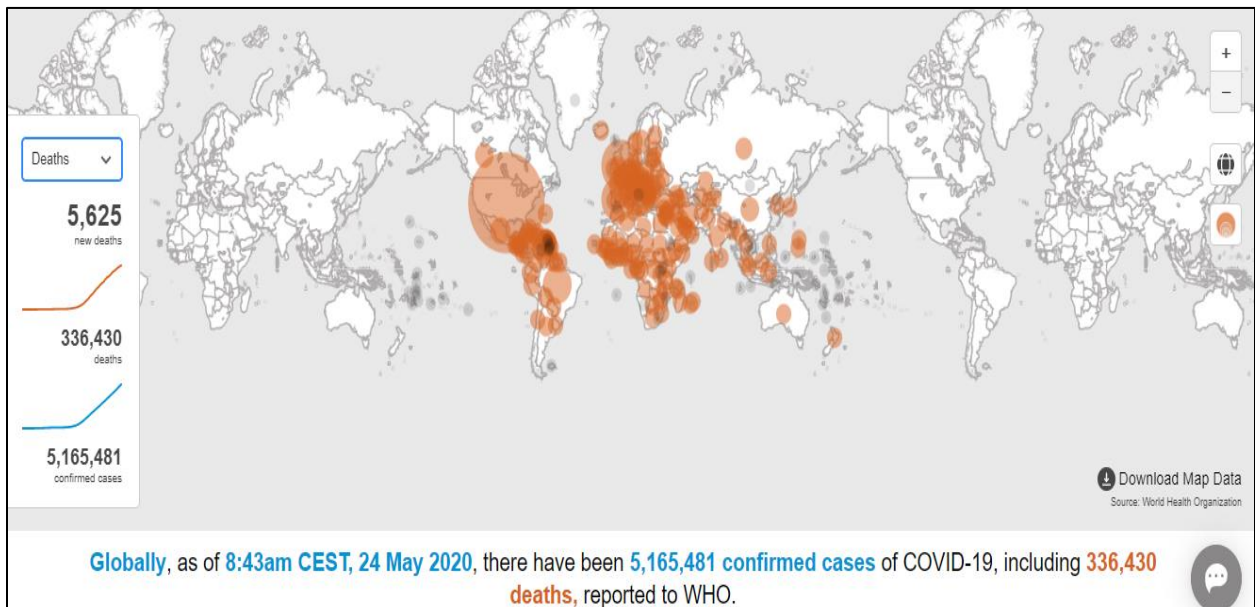


Figure Source – Situation Report, World Health Organisation (WHO)

COVID-19 is also causing deaths worldwide. Since its inception, till 24.05.2020, total 336,430 deaths were reported by WHO. According to WHO, till 24.05.2020, highest deaths of COVID-19 patients occurred in United States of America followed by The United Kingdom, Italy, Spain, France, Brazil, Belgium, Germany, Iran, Mexico, Canada, Netherlands, etc.

Figure No. 5: Worldwide Distribution of Deaths of COVID-19 Patients (as on 24.05.2020)



Source – World Health Organisation (WHO) Link-<https://covid19.who.int/> (Retrieved on 24.05.2020 at 3:00 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 24.05.2020, total 131,868 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 24.05.2020, the death toll crossed to 3,867. 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 24.05.2020)

Variables	World	India
Total Cases	5,165,481	131868
Total Deaths	336,430	3867
Mortality (%)	6.51%	2.93%

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

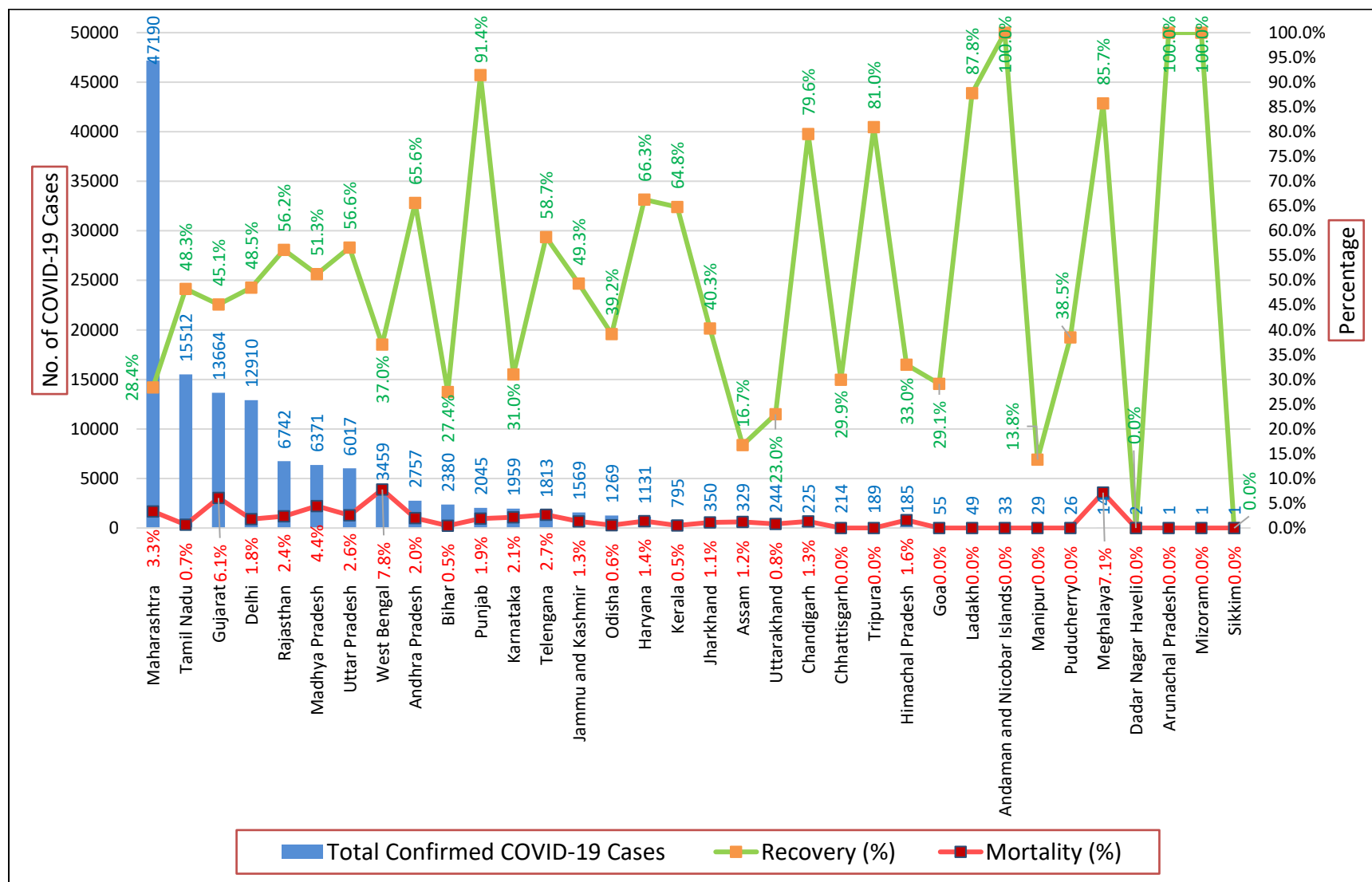
Table No. 2: State Wise Distribution of COVID-19 Cases & Death in India (as on 24.05.2020)

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	47190	13404	1577	32209	28.4%	3.3%	420	287
Tamil Nadu	72,147,030	15512	7491	103	7918	48.3%	0.7%	215	110
Gujarat	60,439,692	13664	6169	829	6666	45.1%	6.1%	226	110
Delhi	16,787,941	12910	6267	231	6412	48.5%	1.8%	769	382
Rajasthan	68,548,437	6742	3786	160	2796	56.2%	2.4%	98	41
Madhya Pradesh	72,626,809	6371	3267	281	2823	51.3%	4.4%	88	39
Uttar Pradesh	199,812,341	6017	3406	155	2456	56.6%	2.6%	30	12
West Bengal	91,276,115	3459	1281	269	1909	37.0%	7.8%	38	21
Andhra Pradesh	49,670,000	2757	1809	56	892	65.6%	2.0%	56	18
Bihar	104,099,452	2380	653	11	1716	27.4%	0.5%	23	16
Punjab	27,743,338	2045	1870	39	136	91.4%	1.9%	74	5
Karnataka	61,095,297	1959	608	42	1309	31.0%	2.1%	32	21
Telangana	35,004,000	1813	1065	49	699	58.7%	2.7%	52	20
Jammu and Kashmir	12,407,815	1569	774	21	774	49.3%	1.3%	126	62
Odisha	41,974,218	1269	497	7	765	39.2%	0.6%	30	18
Haryana	25,351,462	1131	750	16	365	66.3%	1.4%	45	14
Kerala	33,406,061	795	515	4	276	64.8%	0.5%	24	8
Jharkhand	32,988,134	350	141	4	205	40.3%	1.1%	11	6
Assam	31,205,576	329	55	4	270	16.7%	1.2%	11	9
Uttarakhand	10,086,292	244	56	2	186	23.0%	0.8%	24	18
Chandigarh	1,055,450	225	179	3	43	79.6%	1.3%	213	41
Chhattisgarh	25,545,198	214	64	0	150	29.9%	0.0%	8	6
Tripura	3,673,917	189	153	0	36	81.0%	0.0%	51	10
Himachal Pradesh	6,864,602	185	61	3	121	33.0%	1.6%	27	18
Goa	1,458,545	55	16	0	39	29.1%	0.0%	38	27
Ladakh	133,487	49	43	0	6	87.8%	0.0%	367	45
Andaman and Nicobar Islands	380,581	33	33	0	0	100.0%	0.0%	87	0
Manipur	2,855,794	29	4	0	25	13.8%	0.0%	10	9
Puducherry	1,247,953	26	10	0#	16	38.5%	#VALUE!	21	13
Meghalaya	2,966,889	14	12	1	1	85.7%	7.1%	5	0
Dadar Nagar Haveli	343,709	2	0	0	2	0.0%	0.0%	6	6
Arunachal Pradesh	1,383,727	1	1	0	0	100.0%	0.0%	1	0
Mizoram	1,097,206	1	1	0	0	100.0%	0.0%	1	0
Sikkim	610,577	1	0	0	1	0.0%	0.0%	2	2
Cases Being Reassigned to States	NA	2338	-	-	2338	0.0%	0.0%	NA	NA
India	1,208,661,978	131,868	54,441	3,867	73560	41.3%	2.9%	109	61

Source-MOHFW Link - <https://www.mohfw.gov.in/> (Retrieved on 24.05.2020 at 5:20 PM)

The number of COVID-19 cases are increasing continuously since the inception of first case. On dated 24.05.2020, Maharashtra, Tamil Nadu, Gujrat, Delhi, Rajasthan, Madhya Pradesh, Uttar Pradesh, West Bengal, 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 24.05.2020)

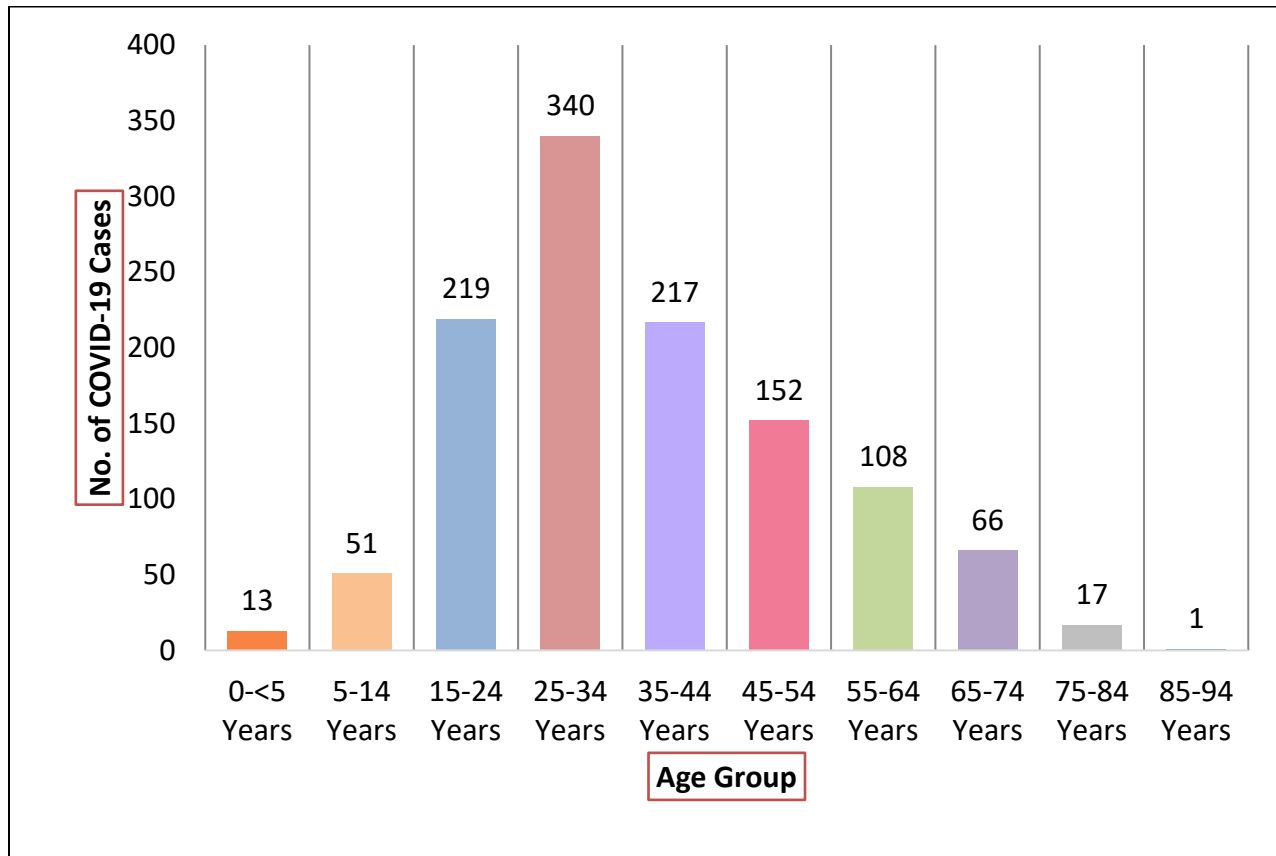


Source – MOHFW Link - <https://www.mohfw.gov.in/> (Retrieved on 24.05.2020 at 5:00 PM)

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 1184 on 24.05.2020. Out of these cases, 765 have cured and 16 deaths were reported till 24.05.2020. 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. 11.

Figure No. 7: Age Wise Distribution of COVID-19 Cases in Haryana (N=1184) (as on 24.05.2020)



The age wise distribution of COVID-19 Cases in Haryana is given in the Figure No. 9. 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, 75-84 years, 0-<5 and 85-94 years.

Figure No. 8: Gender Wise Distribution of COVID-19 Cumulative Cases in Haryana (N=1184)

(as on 24.05.2020)

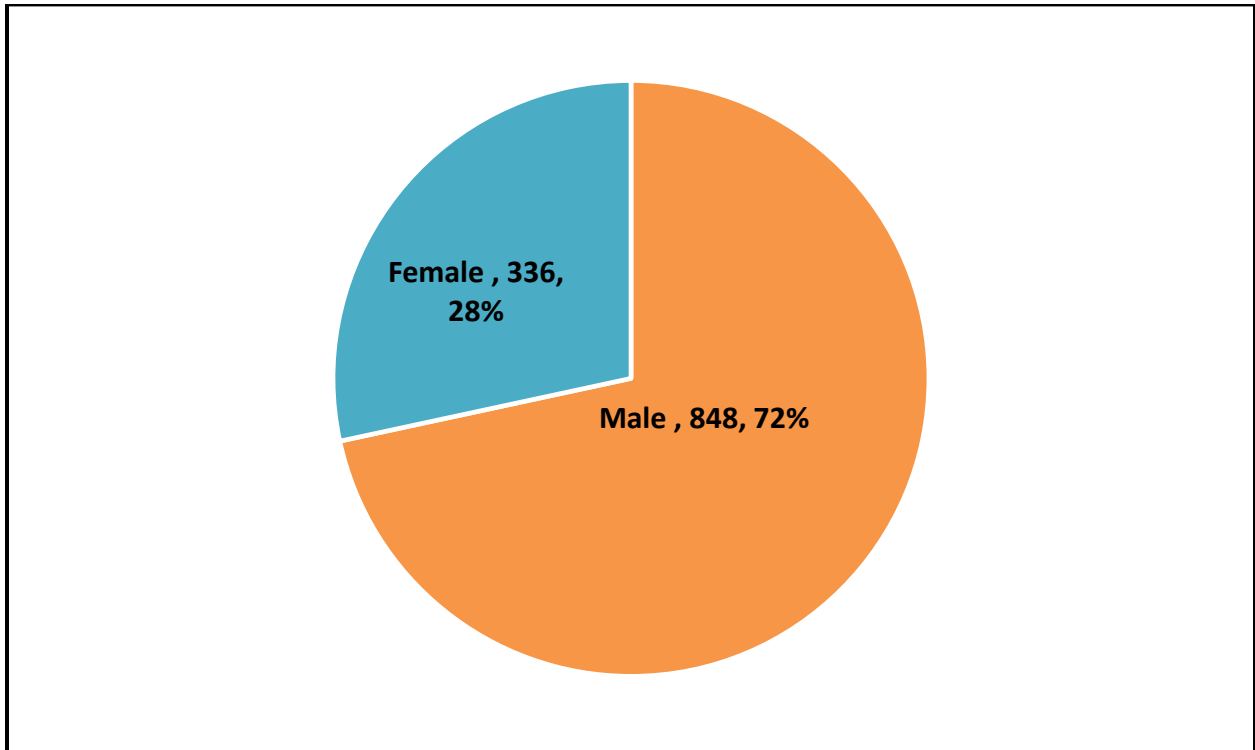


Figure No. 9: Gender Wise Distribution of COVID-19 Deaths in Haryana (N=16) (as on 24.05.2020)

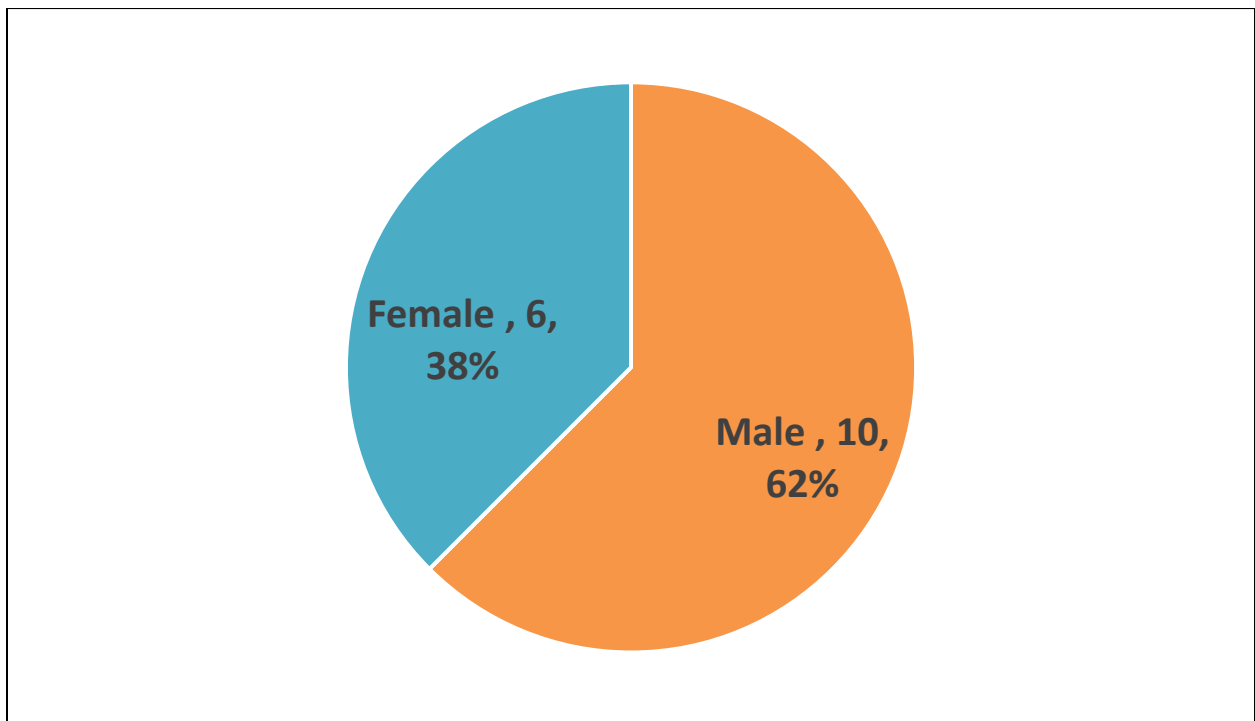


Table No. 3: Age Wise Distribution of COVID-19 Cases and Deaths in Haryana (as on 24.05.2020)

Age Group	No. of Cases	No. of Death	Mortality (%)
0-<5 Years	13	0	0.0%
5-14 Years	51	0	0.0%
15-24 Years	219	3	1.4%
25-34 Years	340	2	0.6%
35-44 Years	217	0	0.0%
45-54 Years	152	1	0.7%
55-64 Years	108	3	2.8%
65-74 Years	66	5	7.6%
75-84 Years	17	2	11.8%
85-94 Years	1	0	0.0%
Total	1184	16	1.4%

Figure No. 10: Occupation Wise Distribution of COVID-19 Cases in Haryana (N=1184) (as on 24.05.2020)

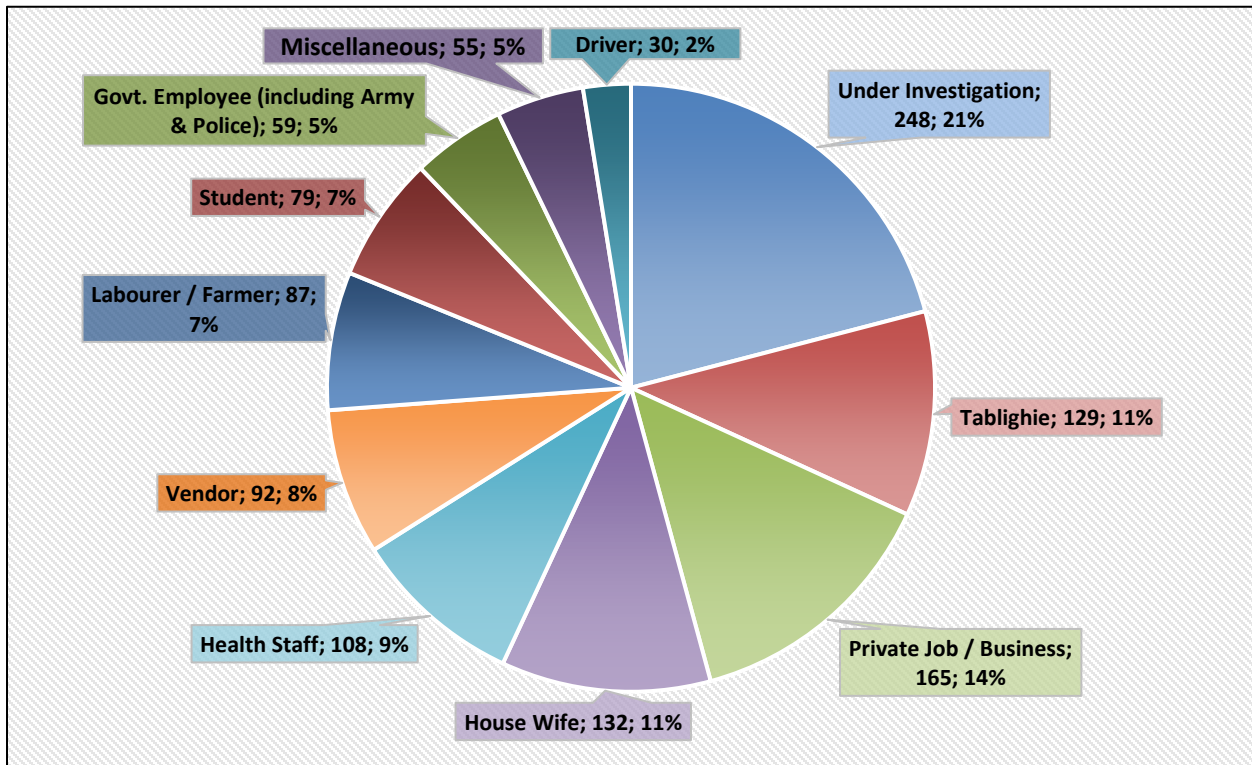
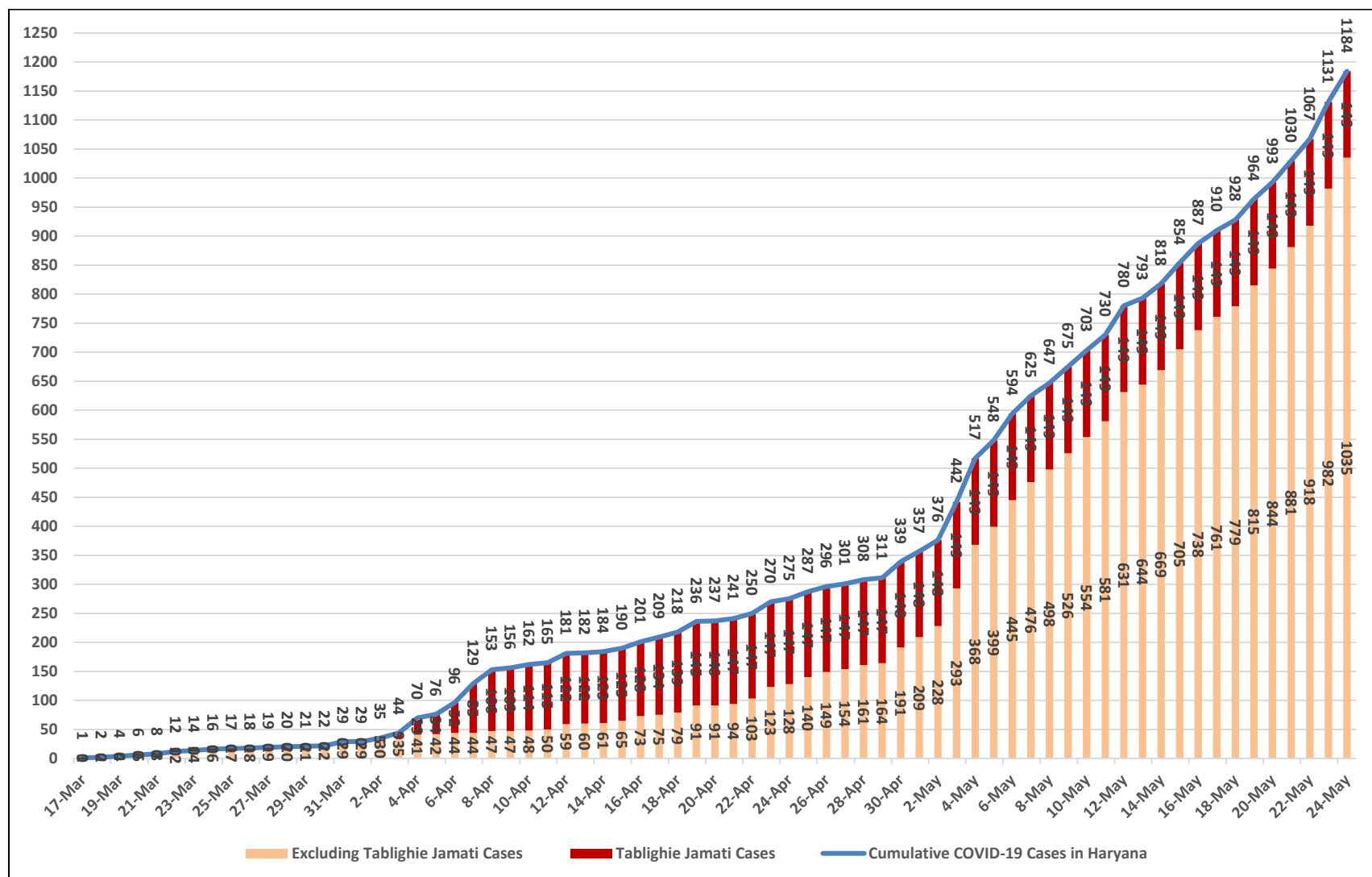


Figure No. 11: Date Wise Trend of COVID-19 Cumulative Cases in Haryana (N=1184) (as on 24.05.2020)



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

Figure No. 12: Date Wise Trend of COVID-19 Cumulative Cases in Haryana since the Inception of First Case on 17.03.2020 (as on 24.05.2020)

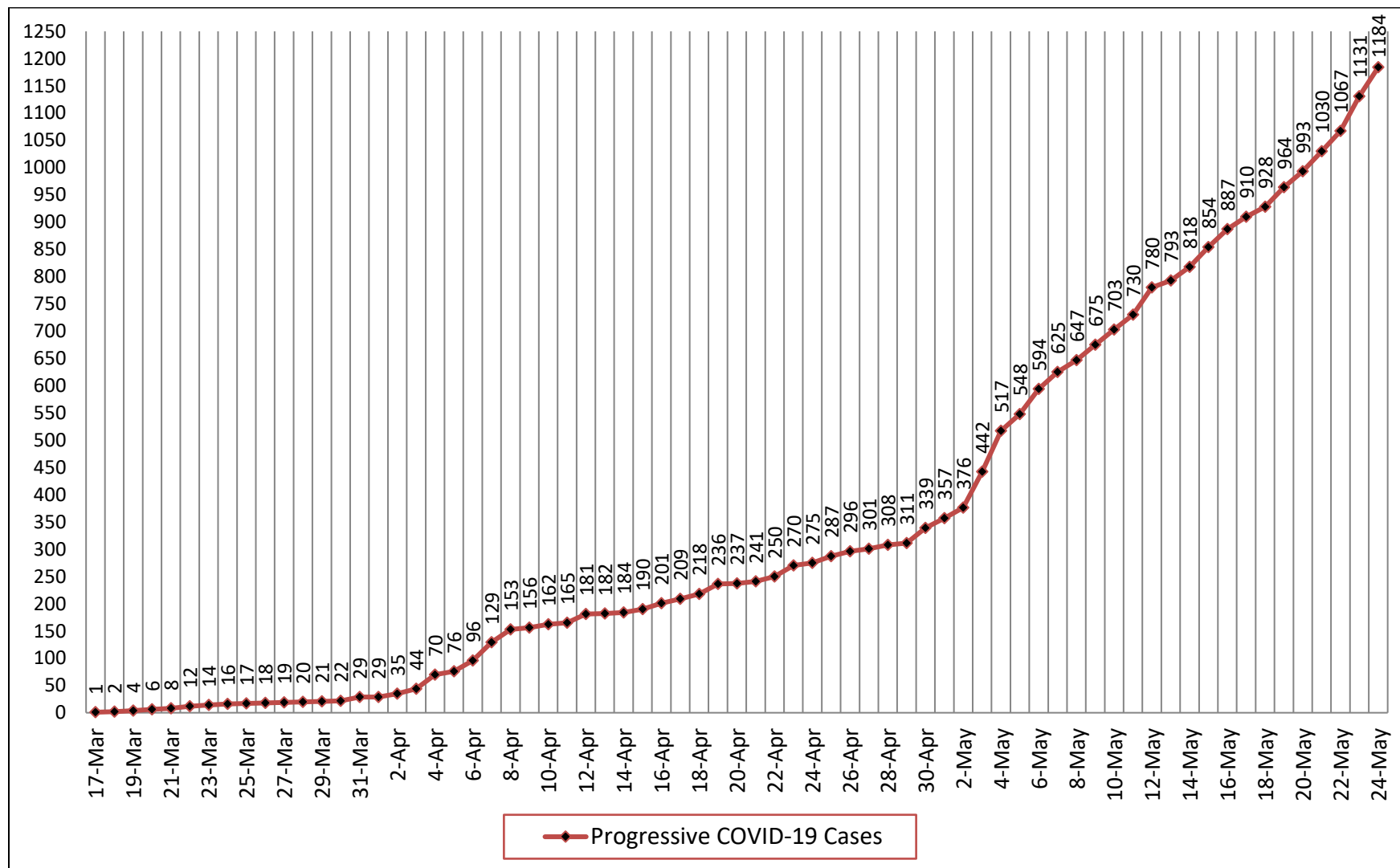


Figure No. 13: Day Wise Trend of COVID-19 Cumulative Cases in Haryana since the Inception of First Case on 17.03.2020 (as on 24.05.2020)

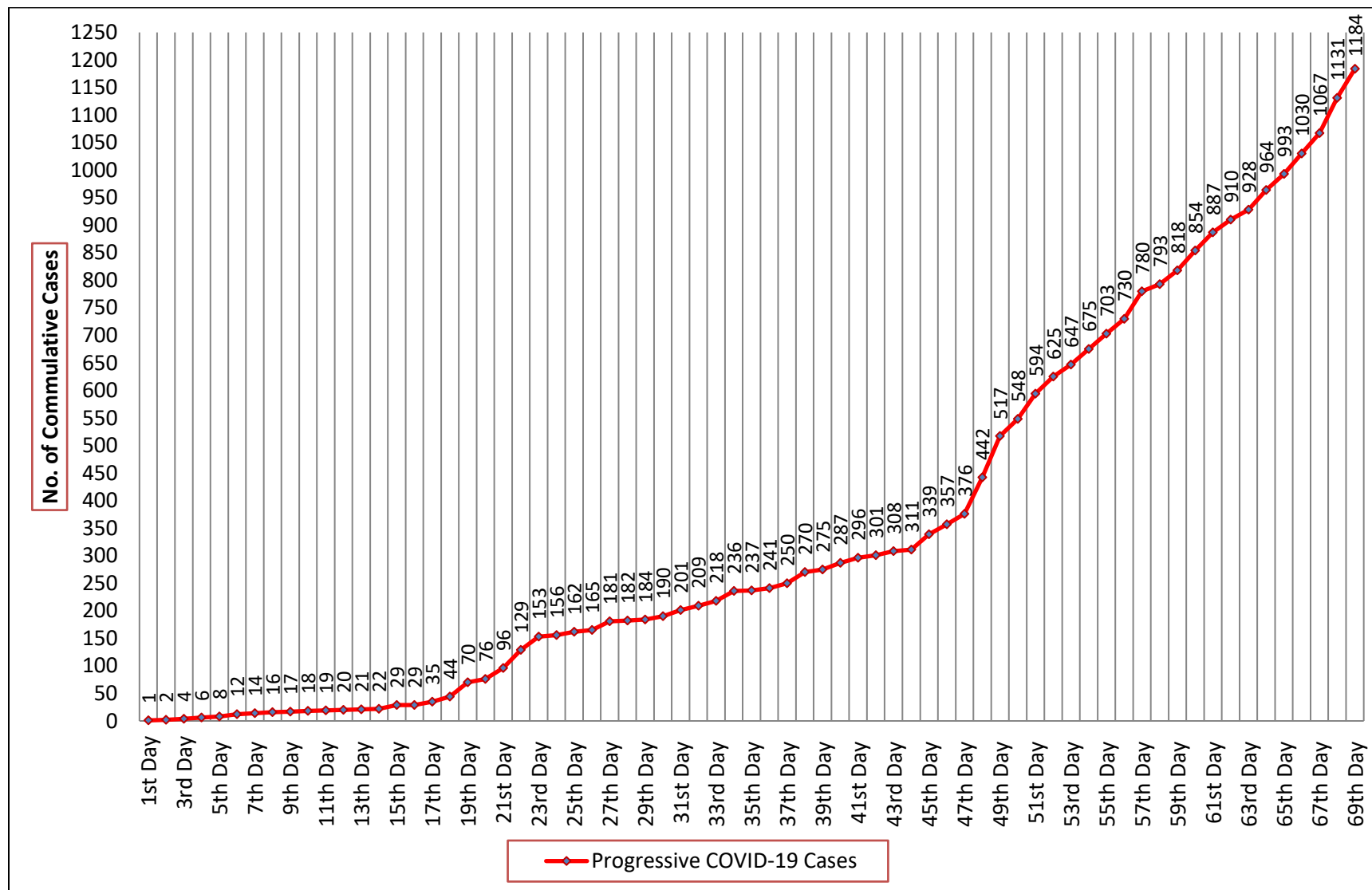
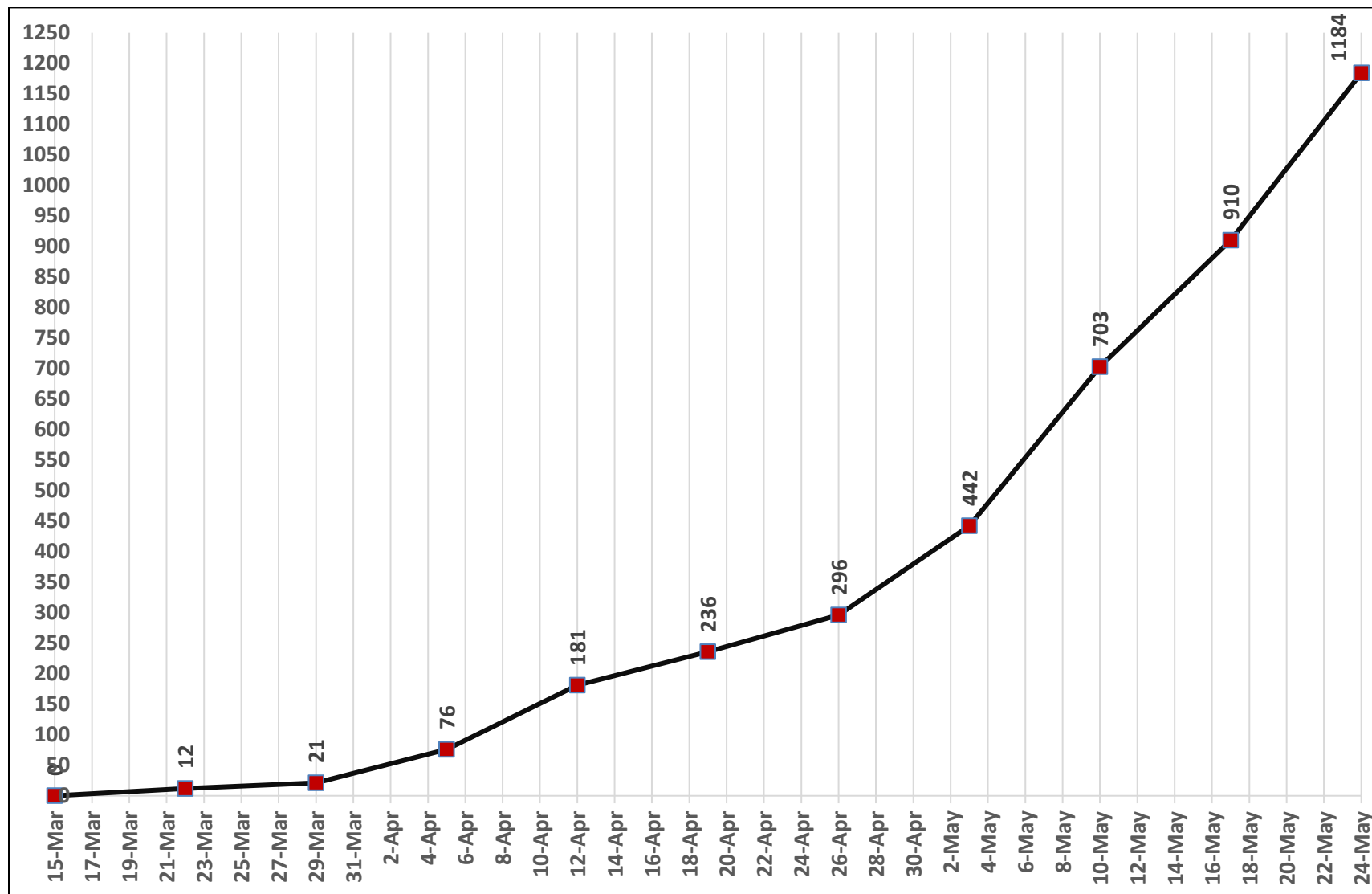


Figure No. 14: Weekly Trend of COVID-19 Cumulative Cases in Haryana since the Inception of First Case on 17.03.2020 (as on 24.05.2020)



The details of number of new cases of COVID-19 in Haryana as per date and day are mentioned in Figure No. 15 and 16.

Figure No. 15: Date Wise Distribution of COVID-19 New Cases in Haryana (as on 24.05.2020)

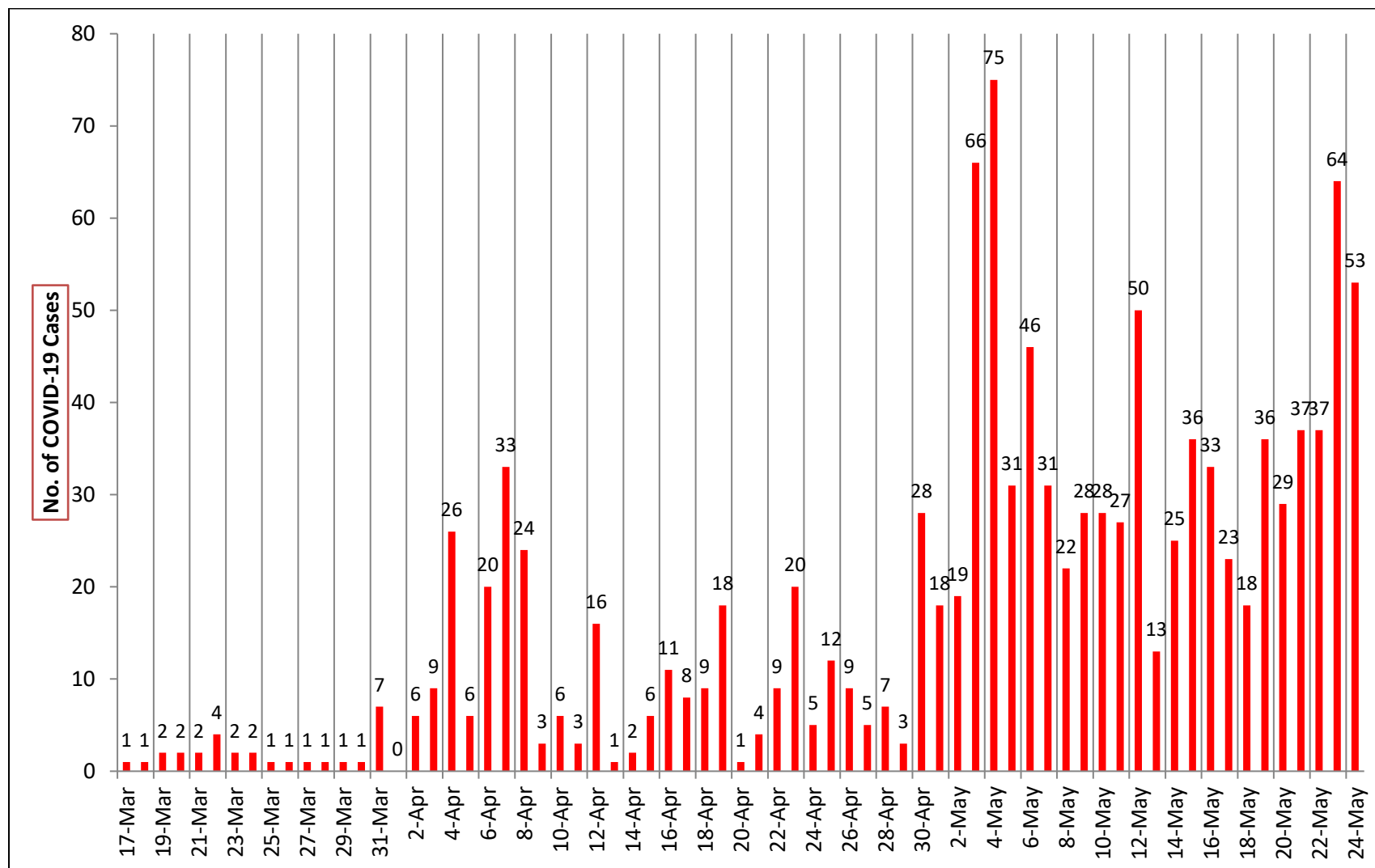


Figure No. 16: Day Wise Distribution of COVID-19 New Cases in Haryana (as on 24.05.2020)

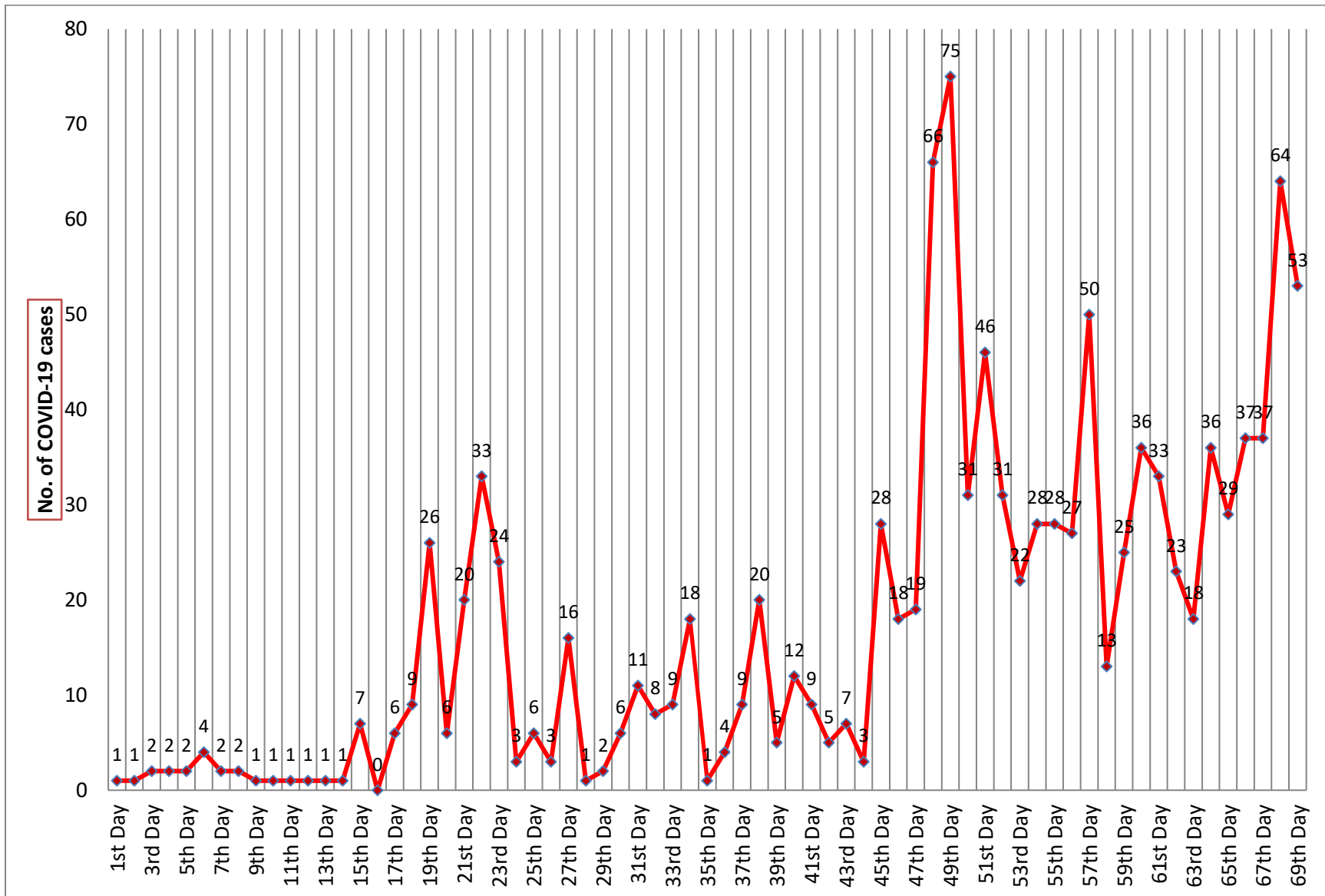
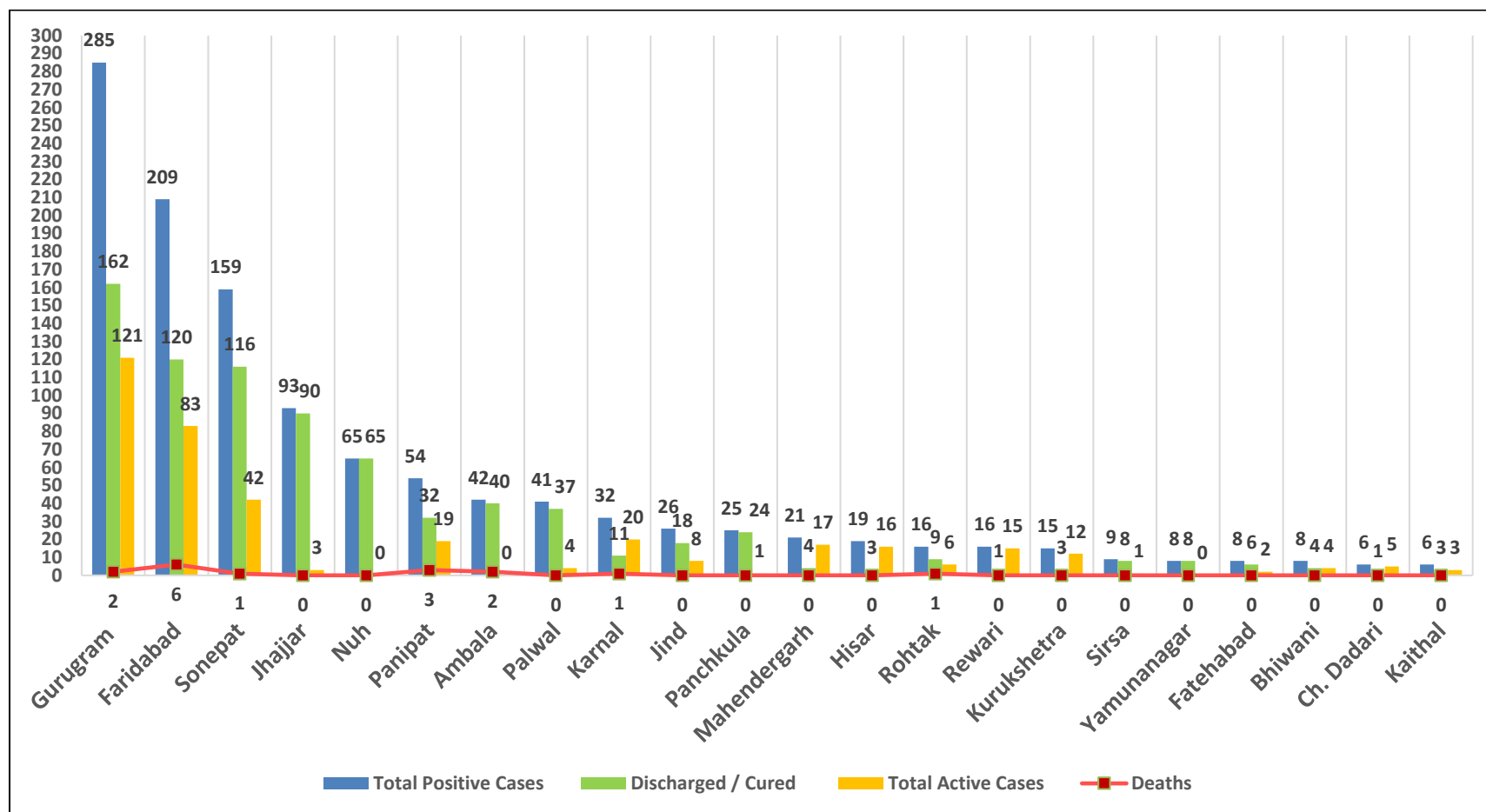


Figure No. 17: District Wise Distribution of COVID-19 Cases in Haryana (as on 24.05.2020)



On date 24.05.2020, districts Gurugram, Faridabad, Sonapat, Jhajjar, Nuh, Panipat, Ambala and Palwal 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=1184) (as on 24.05.2020)

District	Population (Census 2011 & Website)	Total Positive Cases	Discharged / Cured	Deaths	Total Active Cases	Active Case Per Lakh Population	Mortality (%)	Recovery (%)	Positive Cases Per Lakh Population
Gurugram	1,514,432	285	162	2	121	8	0.7%	56.8%	19
Faridabad	1,809,733	209	120	6	83	5	2.9%	57.4%	12
Sonepat	1,450,001	159	116	1	42	3	0.6%	73.0%	11
Jhajjar	958,405	93	90	0	3	0	0.0%	96.8%	10
Nuh	1,089,263	65	65	0	0	0	0.0%	100.0%	6
Panipat	1,205,437	54	32	3	19	2	5.6%	59.3%	4
Ambala	1,128,350	42	40	2	0	0	4.8%	95.2%	4
Palwal	1,042,708	41	37	0	4	0	0.0%	90.2%	4
Karnal	1,505,324	32	11	1	20	1	3.1%	34.4%	2
Jind	1,334,152	26	18	0	8	1	0.0%	69.2%	2
Panchkula	561,293	25	24	0	1	0	0.0%	96.0%	4
Mahendergarh	922,088	21	4	0	17	2	0.0%	19.0%	2
Hisar	1,743,931	19	3	0	16	1	0.0%	15.8%	1
Rohtak	1,061,204	16	9	1	6	1	6.3%	56.3%	2
Rewari	900,332	16	1	0	15	2	0.0%	6.3%	2
Kurukshetra	964,655	15	3	0	12	1	0.0%	20.0%	2
Sirsa	1,295,189	9	8	0	1	0	0.0%	88.9%	1
Yamunanagar	1,214,205	8	8	0	0	0	0.0%	100.0%	1
Fatehabad	942,011	8	6	0	2	0	0.0%	75.0%	1
Bhiwani	1,198,085	8	4	0	4	0	0.0%	50.0%	1
Ch. Dadari	502,276	6	1	0	5	1	0.0%	16.7%	1
Kaithal	1,074,304	6	3	0	3	0	0.0%	50.0%	1
Foreign (USA) Returnee Haryana Citizens	NA	21	0	0	21	NA	0.0%	0.0%	NA
Haryana	25,417,378	1184	765	16	403	2	1.4%	64.6%	5

Table No. 5: COVID-19 Testing Status in Haryana (as on 24.05.2020)

District	Total Samples Collected	Positive Samples	Negative Samples	Awaited Samples	Total Samples Tested	Positivity Rate (%)	Samples Collected Per Lakh Population	Samples Tested Per Lakh Population
Ambala	4609	42	4370	197	4412	1.0	408	391
Bhiwani	1593	8	1430	155	1438	0.6	133	120
Charkhi Dadri	2351	6	2188	157	2194	0.3	468	437
Faridabad	9726	209	9246	271	9455	2.2	537	522
Fatehabad	3105	8	2882	215	2890	0.3	330	307
Gurugram	11156	285	10645	226	10930	2.6	737	722
Hisar	5580	19	5315	246	5334	0.4	320	306
Jhajjar	3864	93	3668	103	3761	2.5	403	392
Jind	5034	26	4767	241	4793	0.5	377	359
Kaithal	2522	6	2303	213	2309	0.3	235	215
Karnal	4610	32	4341	237	4373	0.7	306	291
Kurukshetra	3769	15	3496	258	3511	0.4	391	364
Narnaul	2616	21	2384	211	2405	0.9	284	261
Nuh	4498	65	4191	242	4256	1.5	413	391
Palwal	4873	41	4611	221	4652	0.9	467	446
Panchkula	3968	46	3684	238	3730	1.2	707	665
Panipat	3541	54	3264	223	3318	1.6	294	275
Rewari	2354	16	2207	131	2223	0.7	261	247
Rohtak	6326	16	6026	284	6042	0.3	596	569
Sirsa	1753	9	1528	216	1537	0.6	135	119
Sonepat	6387	159	5968	260	6127	2.6	440	423
Yamunanagar	2771	8	2624	139	2632	0.3	228	217
Haryana	97006	1184	91138	4684	92322	1.3	382	363

Figure No. 18: Date Wise Trend of Positivity Rate and Sample Tested in Haryana (as on 24.05.2020)

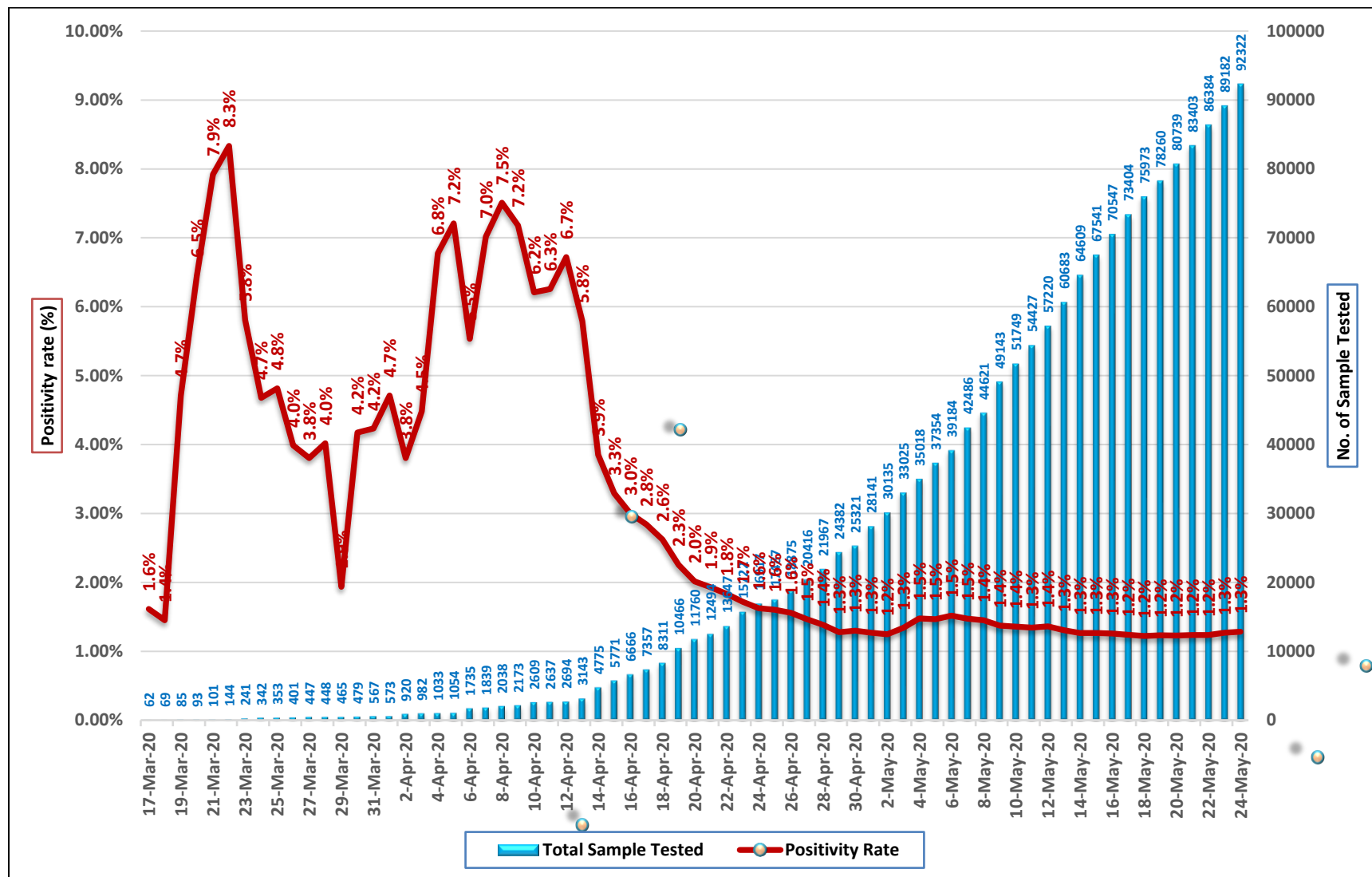


Figure No. 19: District Wise Comparison of Positivity Rate (%) and Samples Collected Per Million Population as per the Census 2011 & Official Website of New Districts (as on 24.05.2020)

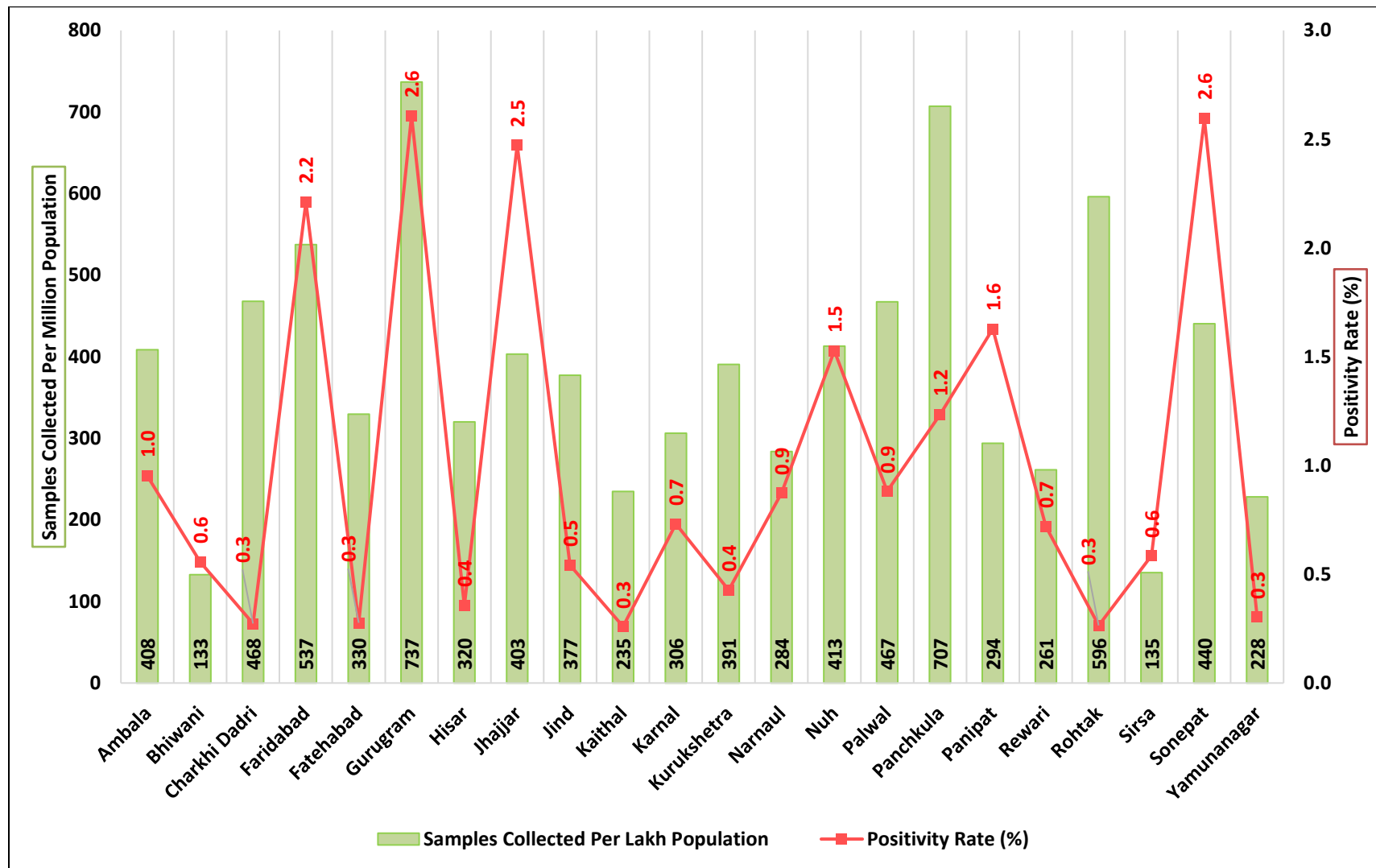


Figure No. 20: Moving Average (7 Days) of Daily New COVID-19 Cases in Haryana (as on 24.05.2020)

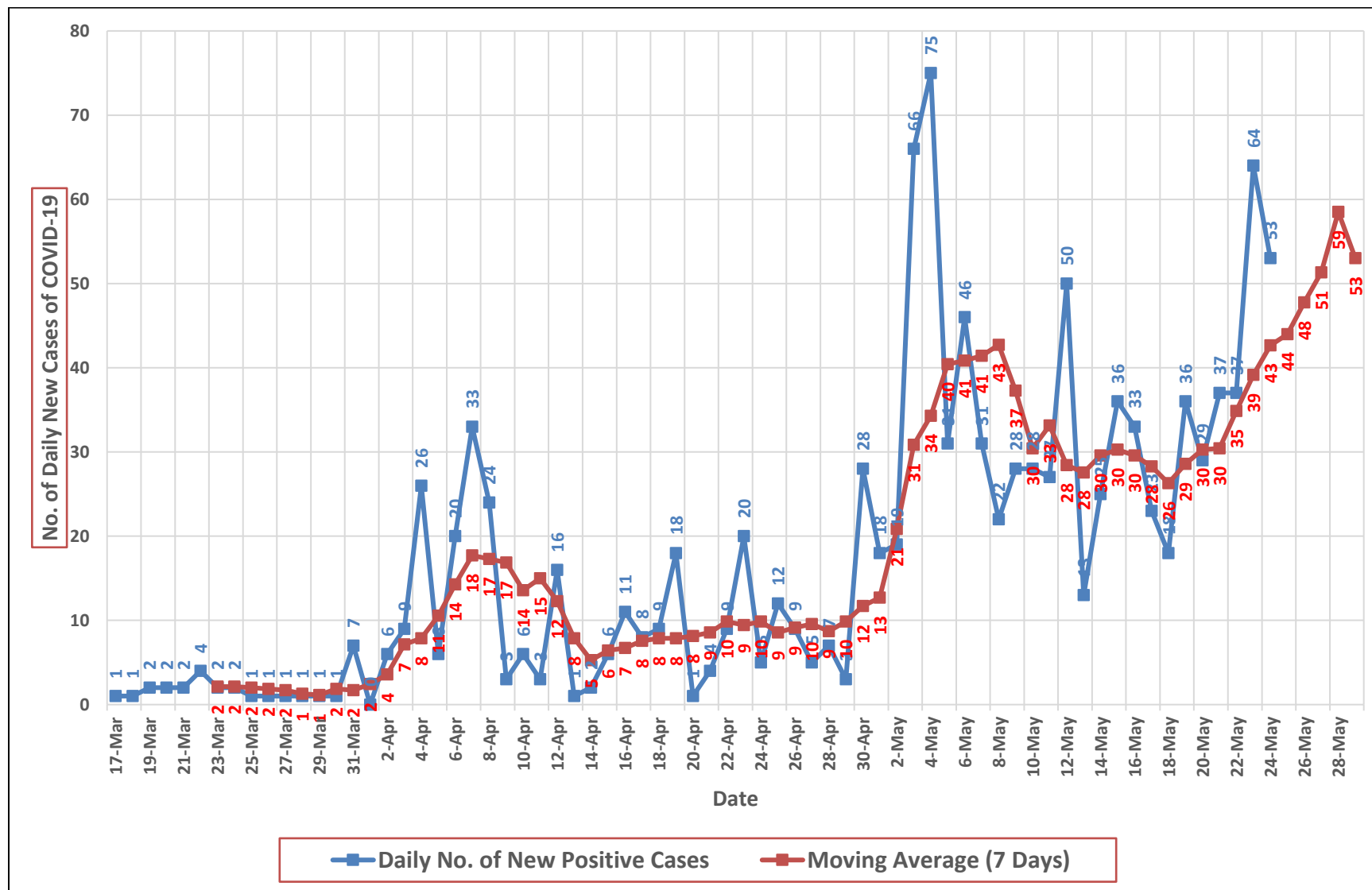


Figure No. 21: District Wise Distribution of Containment Zones and Person Found Symptomatic ILI / SARI in Haryana (as on 24.05.2020)

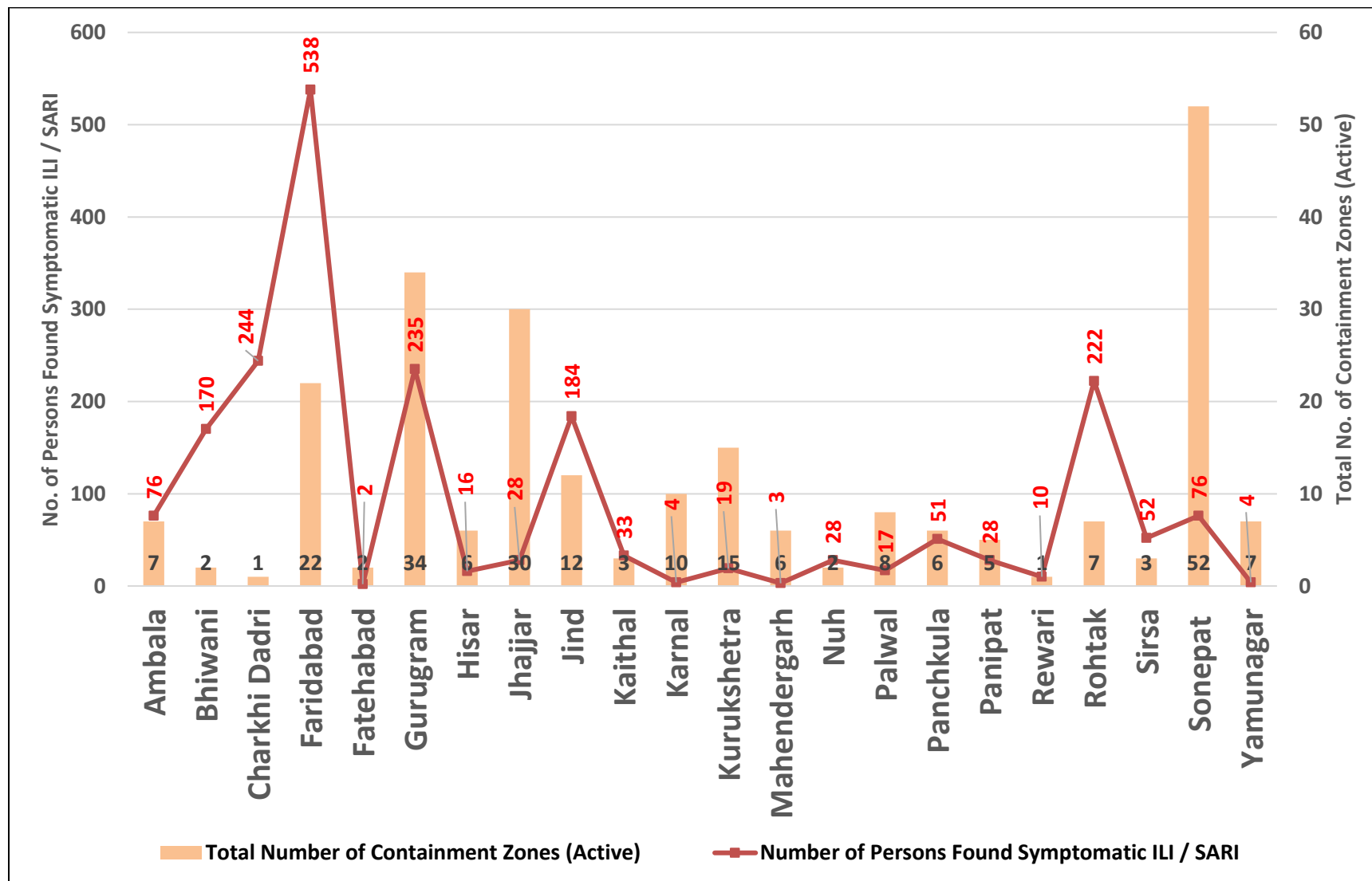


Table No. 6: District Wise Distribution of Containment Zones in Haryana (as on 24.05.2020)

Districts	Total Number of Containment Zones (Active)	Total Households in Containment Zone	Total Population in Containment Zone	Number of Persons Found Symptomatic ILI / SARI
Ambala	7	3495	17468	76
Bhiwani	2	3889	18481	170
Charkhi Dadri	1	5454	24656	244
Faridabad	22	55763	253883	538
Fatehabad	2	124	625	2
Gurugram	34	46141	207603	235
Hisar	6	5315	28070	16
Jhajjar	30	23434	94120	28
Jind	12	10213	54087	184
Kaithal	3	1343	5672	33
Karnal	10	1345	7978	4
Kurukshetra	15	1717	9140	19
Mahendergarh	6	630	2968	3
Nuh	2	869	6219	28
Palwal	8	12089	95766	17
Panchkula	6	4064	19608	51
Panipat	5	7406	34760	28
Rewari	1	4867	23784	10
Rohtak	7	6365	38990	222
Sirsa	3	3451	17530	52
Sonepat	52	51659	265970	76
Yamunanagar	7	2608	13688	4
Haryana	241	252241	1241066	2040

Table No.7: Growth Rate and Moving Average (7 Days) of COVID-19 Cases in Haryana (as on 24.05.2020)

Day from Onset	Date	Progressive COVID-19 Cases	Growth Rate (%) in Haryana	Moving Average (7 Days)
7th Day	23-Mar	14	14%	7
14th Day	30-Mar	22	5%	19
21st Day	6-Apr	96	21%	54
28th Day	13-Apr	182	1%	161
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	928	2%	853
64th Day	19-May	964	4%	879
65th Day	20-May	993	3%	908
66th Day	21-May	1030	4%	938
67th Day	22-May	1067	3%	968
68th Day	23-May	1131	6%	1003
69th Day	24-May	1184	4%	1042

Bibliography

- Adhikari, S. P., Meng, S., Wu, Y. J., Mao, Y. P., Ye, R. X., Wang, Q. Z., . . . Zhou, H. (2020, March). Epidemiology, causes, clinical manifestation and diagnosis, prevention and control of coronavirus disease (COVID-19) during the early outbreak period: a scoping review. *Infectious Diseases of Poverty*, 9(29). doi:<https://doi.org/10.1186/s40249-020-00646-x>
- Coronavirus (COVID-19). (2020, May 24). Retrieved May 24, 2020, from World Health Organization: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019>
- Coronavirus (COVID-19). (2020, May 24). Retrieved May 24, 2020, from www.covid19.who.int: <https://covid19.who.int/>
- COVID-19 INDIA. (2020, May 24). Retrieved May 24, 2020, from www.mohfw.gov.in: <https://www.mohfw.gov.in/>
- Guo, Y. R., Cao, Q. D., Hong, Z. S., Tan, Y. Y., Chen, S. D., Jin, H. J., . . . Yan, Y. (2020, March). The origin, transmission and clinical therapies on coronavirus disease 2019 (COVID-19) outbreak – an update on the status. *Military Medical Research*, 7(11). doi:<https://doi.org/10.1186/s40779-020-00240-0>
- Prasad, R., Perappadan, B. S., Shelar, J., & Koshy, J. (2020). *The Pandemic Notebook - A handy guide from The Hindu on understanding the coronavirus*. (P. J. George, Ed.) Retrieved April 28, 2020, from www.creatives.thehindu.com: https://creatives.thehindu.com/covid_19_ebook.pdf
- Reported COVID-19 Cases in India. (2020, May 24). Retrieved May 24, 2020, from www.fieldmaps.in: <https://fieldmaps.in/covid19/>
- Singhal, T. (2020, March). A Review of Coronavirus Disease-2019 (COVID-19). *Indian Journal of Pediatrics*, 27(4), 281-286. Retrieved April 28, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7090728/>
- Wikipedia contributors. (2020, April 28). *2020 Coronavirus Pandemic in India*. (Wikipedia, The Free Encyclopedia) Retrieved April 28, 2020, from en.wikipedia.org: https://en.wikipedia.org/wiki/2020_coronavirus_pandemic_in_India#cite_note-mohfw-5
- World Health Organization. (2020, May 24). *Coronavirus Disease (COVID-19) Situation Report - 124*. Retrieved May 24, 2020, from https://www.who.int/docs/default-source/coronaviruse/situation-reports/20200523-covid-19-sitrep-124.pdf?sfvrsn=9626d639_2

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)