

# COVID-19 OUTBREAK CONTROL AND PREVENTION STATE CELL HEALTH & FAMILY WELFARE DEPARTMENT GOVT. OF KERALA

## www.health.kerala.gov.in

www.dhs.kerala.gov.in

controlroomdhskerala@gmail.com

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#### Kerala Epidemic Diseases, COVID-19 Regulations, 2020

In exercise of the powers conferred by sections 2, 3 & 4 of the Epidemic Diseases Act, 1897 (Central Act 3 of 1897), the Government of Kerala has issued regulations as Kerala Epidemic Diseases, COVID-19 Regulations, 2020for the strict compliance, for the containment management and control of COVID-19 21-3-2020 as part of endeavor to eliminate COVID from the State.

#### **Advisories**

- Do frequent hand washing with soap and water. Avoid social greetings by touching, hugging or handshaking.
- Do not touch your face, nose and eyes.
- Use handkerchief while coughing/ sneezing. It is advisable for all to use masks during the COVID 19 pandemic season. N95 masks should not be worn by the public.
- Training and IEC videos prepared by the department are available on "Kerala Health Online Training" YouTube channel of the Directorate of Health Services.

#### Guidelines

The following guidelines were issued and published in the website of DHS:

- 1. 2 annexures added regarding summary of positive cases and deaths.
- 2. Railway Surveillance guidelines.
- 3. Advisory on COVID-19 sentinel surveillance activity using RT-PCR.
- 4. Advisory on RT-PCR pooled testing for COVID-19
- 5. Testing guideline with respect to sentinel surveillance, follow up testing for positive cases.G.O.(Rt)No.857/2020/H&FWD
- 6. Detailed advisory regarding home quarantine.G.O.(Rt)No.857/2020/H&FWD

#### Home quarantine Advisory

- (1) Everyone who comes from other states should be subjected to medical examination and those with symptoms of the disease are to be hospitalized for further examination and treatment. They are to be kept in observation until RT-PCR results become negative, after which they may be sent home for completing 14 days of quarantine.
- (2) Those who do not show any symptoms during medical examination may be send for home quarantine for a period of 14 days. If they turn symptomatic while on home quarantine, they must be followed up and send for further examination and RT-PCR testing.
- (3) For those persons who cannot follow home quarantine guidelines as published in G.O.(Rt)No.857/2020/H&FWD should be sent for Government Institutional Quarantine or Selected Paid Quarantine Facilities.

WHO has declared the COVID-19 epidemic affecting 216 countries, areas or territories as a Pandemic. Considering the increase in number of cases, the state has strengthened the surveillance and control measures against the disease in view of the same.

## Home/Hospital Isolation

 163944 persons are placed under surveillance, out of which 161547 are under home/institutional quarantine and 2397 are admitted in designated isolation facilities.

## Sample Testing

- Till date 160940 samples (including repeat, augmented and private lab samples) have been sent for testing out of which results of 4510 are pending.
- Apart from above, 43032 samples were taken from priority groups like health care workers, persons with high social exposure, workers etc. as part of Sentinel surveillance of which 41569 samples tested negative.
- 1193 samples have been tested from 3 districts Ernakulam, Thrissur and Palakkad by ICMR in Kerala as part of ICMR Sero-surveillance study, out of which 4 samples turned IgG positive indicating past infection.

Total Sample Send	Total routine sample	sentinel	pooled sentinel	CB NAAT	True NAAT
209456	160940	4414	38618	1655	2636

### Test Results

- Total confirmed cases under treatment till yesterday were 1761.
- 150 new COVID-19 positive cases have been declared today. Of which 23 from Palakkad, 21 from Alappuzha, 18 from Kottayam, 16 each from Kollam and Malappuram, 13 from Kannur, 9 from Ernakulam,7 each from Thiruvananthapuram, Thrissur and Kozhikode, 5 from Wayanad, 4 from Pathanamthitta and 2 each from Idukki and Kasaragod have been declared positive.
- Test results of 65 COVID-19 patients under treatment have been declared negative today. Of which 18 are from Malappuram (Palakkad-2, Kozhikode-1), 15 from Thrissur, 11 from Kollam, 10 from Kozhikode, 5 from Idukki, 3 from Ernakulam, 2 from Kottayam and 1 from Kannur (Kasaragod-1) have been declared negative.
- At present 1846 Positive cases are under treatment.
- As per GO (Rt) No. 740/2020/H&FWD dated 19.04.2020 and GO (Rt) No. 740/2020/H&FWD dated 20.04.2020, Hotspots were notified in the state. Based on the daily report by SDMA the list will be modified, and the revised list is attached as annexure.

## **Complimentary Activities**

- In view of recent trend of COVID-19 positivity in Kerala following the existing advisories under the current strategy, it is decided to augment the testing among the general population by taking 3000 more samples randomly on 26<sup>th</sup> April 2020 with the objective of detecting any undetected COVID-19 positivity among general population in Kerala.
- Xpert-SARS-CoV testing has been initiated in Govt. Medical Colleges
   Thiruvananthapuram, Ernakulam and Kozhikode for testing samples with emergency
   nature such as for emergency surgery, symptomatic health worker, sick patients or
   COVID suspected death.
- COVID Care Centres have been established in all districts with a view to accommodate people who have been advised home isolation but have no residence in Kerala (e.g.: Tourists, people in transit etc). And to accommodate any person in home isolation but not following the home isolation guidelines. These centres will also accommodate the Keralites returning from various states in India.
- Ottakalla oppamundu' For providing Psycho Social Support, 1140 Mental Health Personnel including Psychiatrists, Psychiatric Social Workers, Clinical Psychologists, and Counsellors are working and have given psycho social support calls to 5,09,136 numbers of persons in quarantine/ isolation. In addition to this, Psycho Social Support calls are given to Mentally ill patients, Children with Special Needs, Guest Labourers, and Elderly People living alone. Counselling service is also given to alleviate stress of personnel working in corona outbreak control activities. A total of 11,81,397 Psycho Social Support and Counselling Calls have been given to all such categories till date.
- Home isolation is being ensured with the help of squads at LSG level including health staff, police and volunteers.
- Adequate infrastructure facilities have been ensured at all designated isolation facilities.
- Kerala arogyam portal (*health.kerala.gov.in*) with comprehensive information on department of Health and Family Welfare was launched by Hon. Health Minister.

# Annexure 1: Details of persons under Surveillance

District	No. of Persons under observation as on today	No. of persons under home/institutional quarantine as on today	No. of symptomatic persons hospitalized as on today	No. of persons hospitalized today
Thiruvananthapuram	18286	18116	170	26
Kollam	9180	8982	198	25
Pathanamthitta	5278	5097	181	30
ldukki	4431	4376	55	5
Kottayam	8831	8736	95	4
Alappuzha	7130	6964	166	21
Ernakulam	13464	13256	208	24
Thrissur	17058	16899	159	16
Palakkad	9735	9521	214	37
Malappuram	25221	24892	329	34
Kozhikode	16806	16608	198	53
Wayanad	3626	3593	33	3
Kannur	19035	18753	282	28
Kasaragod	5863	5754	109	6
Total	163944	161547	2397	312

### Annexure 2: Chronology of Positive cases

Date	No. of patients	District	Present Status	Remarks
30.01.2020	1	Thrissur-1	Negative	Discharged
02.02.2020	1	Alappuzha-1	Negative	Discharged
03.02.2020	1	Kasaragod-1	Negative	Discharged
9.03.2020	6	Pathanamthitta-5 Ernakulam-1 (Kannur native)	Negative	Discharged
10.03.2020	8	Kottayam-2 Pathanamthitta -4 Ernakulam -2 (Kannur native)	Negative	Discharged
12.03.2020	2	Thrissur -1 Kannur -1	Negative	Discharged
13.03.2020	3	Thiruvananthapuram -3	Negative	Discharged
15.03.2020	2	Thiruvananthapuram -1  dukki-1	Negative	Discharged
16.03.2020	3	Malappuram -2 Kasaragod-1	Negative	Discharged
19.03.2020	1	Kasaragod-1	Negative	Discharged
20.03.2020	12	Ernakulam- 6 (1 Malappuram native ) Kasaragod-6	Negative	Discharged
21.03.2020	12	Ernakulam-3 Kannur-3 Kasaragod-6	Negative	Discharged
22.03.2020	15	Ernakulam-1 Malappuram-2 Kozhikode-2 Kannur-4 Kasaragod-5	Negative	Discharged

Date	No. of patients	District	Present Status	Remarks
		Ernakulam-1	Positive	Expired
23.03.2020	28	Pathanamthitta-1 Ernakulam-2 Thrissur-1 Kannur-5 Kasaragod-19	Negative	Discharged
24.03.2020	14	Thiruvananthapuram-1 Alappuzha-1 Kottayam-1 Ernakulam-1 Palakkad-1 Malappuram-1 Kozhikode-2 Kasaragod-6	Negative	Discharged
25.03.2020	9	Pathanamthitta-2  dukki-1  Ernakulam-3  Palakkad-2  Kozhikode-1	Negative	Discharged
26.03.2020	19	Kannur-9 Idukki-1 Kasaragod-3 Malappuram-3 Thrissur-2 Wayanad-1	Negative	Discharged
27.03.2020	39	Kollam-1 Thrissur-1 Kozhikode-1 Kannur-2 Kasaragod-34	Negative	Discharged
28.03.2020	6	Thiriruvanathapuram-2 Kollam-1 Palakkad-1 Malappuram-1 Kasaragod-1	Negative	Discharged
29.03.2020	20	Ernakulam-1 Thrissur-1 Palakkad-1 Malappuram-1 Kannur-8 Kasaragod-7	Negative	Discharged
30.03.2020	32	Thiriruvanathapuram-1 Idukki-2 Kannur-11 Wayanad-2 Kasaragod-17	Positive Negative	Expired  Discharged
31.03.2020	7	Thiriruvanathapuram-2 Kollam-1 Thrissur-1 Kannur-1 Kasaragod-2	Negative	Discharged
01.04.2020	24	Thiriruvanathapuram-2 Ernakulam-3 Palakkad-1 Thrissur-2	Negative	Discharged

Date	No. of patients	District	Present Status	Remarks
		Malappuram-2 Kannur-2 Kasaragod-12		
02.04.2020	21	Thiriruvanathapuram-1 Kollam-2 Pathanamthitta-1 Idukki-5 Thrissur-1 Malappuram-1 Kozhikode-1 Kannur-1 Kasaragod-8	Negative	Discharged
03.04.2020	9	Thrissur-1 Kannur-1 Kasaragod-7	Negative	Discharged
04.04.2020	11	Kollam-1 Alappuzha-1 Ernakulam-1 Palakkad-1 Kannur-1 Kasaragod-6	Negative	Discharged
05.04.2020	8	Pathanamthitta-1 Kozhikode-5 Kannur-1 Kasaragod-1	Negative	Discharged
06.04.2020	13	Kollam- 1 Pathanamthitta- 1 Malappuram - 2 Kasaragod -9	Negative	Discharged
07.04.2020	8	Kollam - 1 Malappuram - 1 Kannur - 2 Kasaragod - 4	Negative	Discharged
08.04.2020	9	Pathanamthitta- 1 Alappuzha - 2 Thrissur - 1 Kannur -4 Kasaragod - 1	Negative	Discharged
09.04.2020	12	Thiruvananthapuram - 1 Kollam -1 Malappuram - 2 Kannur -4 Kasaragod - 4	Negative	Discharged
10.04.2020	7	Malappuram - 2 Kannur - 2 Kasaragod - 3	Negative	Discharged
11.04.2020	10	Kozhikode – 1 Kannur-7 Kasaragod – 2	Negative	Discharged
12.04.2020	2	Kannur-1 Pathanamthitta-1	Negative	Discharged
13.04.2020	3	Palakkad-1 Kannur-2	Negative	Discharged
14.04.2020	8	Kozhikkode-3 Kannur-4	Negative	Discharged

Date	No. of patients	District	Present Status	Remarks
		Kasaragod-1		
15.04.2020	1	Kannur-1	Negative	Discharged
16.04.2020	7	Kozhikode-2 Kannur-4 Kasaragod-1	Negative	Discharged
17.04.2020	1	Kozhikode-1	Negative	Discharged
18.04.2020	4	Kannur-3 Kozhikode-1	Negative	Discharged
19.04.2020	2	Kannur-1 Kasaragod-1	Negative	Discharged
20.04.2020	6	Kannur-6	Negative	Discharged
21.04.2020	19	Kollam-1 Palakkad-4 Malappuram-1 Kannur-10 Kasaragod-3	Negative	Discharged
22.04.2020	11	Kottayam-1 Kozhikode-2 Kannur-7	Negative	Discharged
		Malappuram-1	Positive	Expired
23.04.2020	10	Thiruvananthapuram - 1 Kollam-1 Kottayam-2 Idukki-4 Kozhikode-2	Negative	Discharged
24.04.2020	3	Kasaragod-3	Negative	Discharged
25.04.2020	7	Kollam-3 Kottayam-3 Kannur-1	Negative	Discharged
26.04.2020	11	ldukki-6 Kottayam-5	Negative	Discharged
27.04.2020	13	Kottayam-6  dukki-4  Malappuram-1  Palakkad-1  Kannur-1	Negative	Discharged
28.04.2020	4	Kannur-3 Kasaragod-1	Negative	Discharged
29.04.2020	10	Thiruvananthapuram-2 Kollam-6 Kasaragod- 2 (Kannur native)	Negative	Discharged
30.04.2020	2	Malappuram-1 Kasaragod-1	Negative	Discharged
02.05.2020	2	Wayanad-1 Kannur-1	Negative	Discharged
05.05.2020	3	Wayanad-3	Negative	Discharged
08.05.2020	1	Ernakulam-1	Negative	Discharged
09.05.2020	2	Malappuram –2	Negative	Discharged
10.05.2020	7	Ernakulam-1 Thrissur-2 Malappuram-1 Wayanad-3	Negative	Discharged
		Ernakulam-1 Thrissur-2	Negative	Discharged

Date	No. of patients	District	Present Status	Remarks
		Wayanad-3		
		Palakkad-1	Positive	Under treatment
11.05.2020	7	Malappuram-1	1 0010110	
11.00.2020	,	Wayanad-1	Negative	Discharged
		Kasaragod-4		
40.05.0000	_	Pathanamthitta -1		6
12.05.2020	5	Kottayam-1	Negative	Discharged
		Malappuram-3		
		Kottayam-1 Palakkad-2		
		Malappuram-3		
13.05.2020	10	Kozhikode-1	Negative	Discharged
		Wayanad-2		
		Kannur- 1		
		Malappuram-1	Positive	Under treatment
		Idukki-1		
		Pathanamthitta-1		
		Palakkad-3		
14.05.2020	26	Malappuram-4	Negative	Discharged
		Wayanad-3	Negative	Discharged
		Kozhikode-1		
		Kannur-2		
		Kasaragod-10		
	16	Kollam-1		
		Alappuzha-2		
45.05.0000		Palakkad-1		6:
15.05.2020		Malappuram-4	Negative	Discharged
		Kozhikode-2		
		Wayanad-5   Kasaragod-1		
		Palakkad-1		
		Malappuram-1	Positive	Under treatment
		Thrissur- 1	Positive	Expired
16.05.2020	11	Thrissur- 3		
		Palakkad-1		6
		Malappuram-1	Negative	Discharged
		Kozhikode-3		
		Malappuram –1	Positive	Under treatment
		Kollam-1		
		Ernakulam-1		
		Thrissur -1		
17.05.2020	14	Palakkad –2	Negative	Discharged
		Malappuram -3	litagativa	21001141904
		Kozhikode –2		
		Kannur-2		
		Kasaragod -1 Kollam-1	Positive	Under treatment
		Pathanamthitta-1	Positive	Under treatment
		Thiruvananthapuram-3	rositive	Expired
		Kollam-5		
18.05.2020	29	Pathanamthitta-1		
		Alappuzha-2	Negative	Discharged
		Kottayam-2		
		Ernakulam-1		
	1		1	

Date	No. of patients	District	Present Status	Remarks
		Thrissur-4 Palakkad-1 Malappuram-1 Kozhikode-2 Kannur-3 Kasaragod-2		
		Kannur-1 Malappuram-1 Palakkad-1	Positive	Under treatment
19.05.2020	12	Pathanamthitta-1 Alappuzha-1 Thrissur-1 Malappuram-2 Kannur-4	Negative	Discharged
		Palakkad-2 Malappuram-1 Pathanamthitta-1	Positive	Under treatment
20.05.2020	24	Thiruvananthapuram-2 Pathanamthitta-1 Alappuzha-1 Ernakulam-1 Thrissur-2 Palakkad-5 Malappuram-3 Kozhikode-1 Kannur-2 Kasaragod-1	Negative	Discharged
		Kannur-1	Positive	Expired
		Malappuram-1  dukki-1  Kasaragod-1	Positive	Under treatment
21.05.2020	24	Thiruvananthapuram-2 Kollam-2 Alappuzha-2 Kottayam-3 Thrissur-3 Palakkad-1 Malappuram-4 Kannur-4	Negative	Discharged
		Kozhikode-1	Positive	Under treatment
22.05.2020	42	Kollam-1 Pathanamthitta-1 Kottayam-2 Thrissur-3 Palakkad-5 Malappuram-4 Kozhikode-7 Kannur-10 Kasaragod-6	Negative	Discharged
		Thrissur-1	Positive	Expired
		Wayanad-1		_, .p., - w
23.05.2020	62	Palakkad-3 Malappuram-2 Alappuzha-1 Kozhikode-2	Positive	Under treatment

Date	No. of patients	District	Present Status	Remarks
		Thiruvananthapuram-1 Kollam- 2 Alappuzha-4 Kottayam-2 Palakkad-16 Malappuram-6 Kozhikode-2 Wayanad-1 Kannur-16 Kasaragod-4	Negative	Discharged
		Thiruvananthapuram-1 Malappuram-2 Alappuzha-2 Ernakulam- 2 Kollam-1	Positive	Under treatment
24.05.2020	53	Thiruvananthapuram-11 Kollam-2 Pathanamthitta-2 Alappuzha-2 Ernakulam-2 Palakkad-4 (Thrissur-1) Malappuram-3 Kozhikode-1 Kannur-12 Kasaragod-5 Tamilnadu-1	Negative	Discharged
		Kasaragod-2 Palakkad-3 Pathanamthitta-1 Kollam-1	Positive	Under treatment
25.05.2020	49	Thiruvananthapuram-5 Pathanamthitta-2 Alappuzha-3 Kottayam-2 Idukki-1 Palakkad-2 Kozhikode-4 Kannur-10 Kasaragod-14	Negative	Discharged
		Palakkad-3 Kannur-1 Ernakulam-2 Malappuram-2 Kollam-1 Kasaragod-2	Positive	Under treatment
26.05.2020	67	Kollam-3 Alappuzha-3 Kottayam-6 Ernakulam-3 Thrissur-4 Palakkad-26 Malappuram-3 Kannur-7 Kasaragod-1	Negative	Discharged
27.05.2020	40	Kasaragod-2	Positive	Under treatment

Date	No. of patients	District	Present Status	Remarks
		Kollam-1 Pathanamthitta-1 Ernakulam-1		
		Kozhikode-1	Positive	Expired
		Kollam-3 Pathanamthitta-2 Alappuzha-7 Ernakulam-1 Palakkad-8 Kozhikode-1 Wayanad-3 Kannur-1 Kasaragod-8	Negative	Discharged
		Kasaragod-5 Kannur-2 Malappuram-4 Thiruvananthapuram-1 Pathanamthitta-5 Alappuzha-1	Positive	Under treatment
28.05.2020	84	Thiruvananthapuram-6 Kollam-1 Pathanamthitta-1 Kottayam-3 Idukki-1 Thrissur-7 Palakkad-16 Malappuram-3 Kozhikode-6 Kannur-8 Kasaragod-13	Negative	Discharged
	1	Malappuram-1 Telengana-1	Positive	Expired
		Palakkad-1 Thrissur-1 Pathanamthitta-1 Malappuram-1 Ernakulam-1 Kollam-1 Wayanad-1 Idukki-1	Positive	Under treatment
29.05.2020	62	Thiruvananthapuram-5 Kollam-1 Pathanamthitta-4 Alappuzha-3 Kottayam-1 Thrissur-5 Ernakulam-3 (Thrissur native-1) Palakkad-13 Malappuram-4 Kozhikode-1 Wayanad-1 Kannur-7 Kasaragod-4 Others-2	Negative	Discharged
30.05.2020	58	Thrissur-2	Positive	Under treatment

Date	No. of patients	District	Present Status	Remarks
		Palakkad-7 Kollam-2 Idukki-2 Kannur-4 Kasaragod-1 Thiruvananthapuram-1 Alappuzha-1 Kottayam-1		
		Alappuzha-1	Positive	Expired
		Thiruvananthapuram-1 Kollam-2 Idukki-2 Ernakulam-4 Thrissur-8 Palakkad-6 Kozhikode-4 Kannur-4 Kasaragod-2 Others-7	Negative	Discharged
		Palakkad-1 Kasaragod-2 Kannur-2 Kollam-1 Alappuzha-2 Pathanamthitta-1 Malappuram-1 Wayanad-2	Positive	Under treatment
31.05.2020	61	Thiruvananthapuram-4 Kollam-5 Pathanamthitta-3 Alappuzha-4 Ernakulam-2 Thrissur-3 Palakkad-11 Malappuram-2 Wayanad-1 Kozhikode-2 Kannur-5 Kasaragod-8	Negative	Discharged
01.06.2020	57	Malappuram-4 Kasaragod-5 Thrissur-2 Pathanamthitta-3 Thiruvananthapuram-1 Ernakulam-1 Alappuzha-1 Idukki-1	Positive	Under treatment
3.1.3.1.52.0	<i>,</i>	Thiruvananthapuram-6 Kollam-5 Pathanamthitta-1 Alappuzha-1 Ernakulam-2 Thrissur-7 Palakkad-1 Malappuram-10	Negative	Discharged

Date	No. of patients	District	Present Status	Remarks
		Kasaragod-9		
		Malappuram-2 Alappuzha-2 Kasaragod-4 Kollam-2 Thiruvananthapuram-1 Kottayam-2 Wayanad-3 Palakkad-1 Pathanamthitta-1	Positive	Under treatment
		Thiruvananthapuram-1	Positive	Expired
02.06.2020	86	Thiruvananthapuram-6 Kollam-6 Alappuzha-8 Kottayam-4 Ernakulam-3 Thrissur-6 Palakkad-5 Malappuram-14 Kozhikode-5 Wayanad-3 Kannur-2 Kasaragod-4	Negative	Discharged
		Thiruvananthapuram-2 Malappuram-1 Idukki-2 Alappuzha-1 Kollam-1 Ernakulam-2 Palakkad-2 Thrissur-1 Kasaragod-2	Positive	Under treatment
03.06.2020	82	Thiruvananthapuram-12 Kollam-4 Pathanamthitta-2 Alappuzha-6 Kottayam-8 Idukki-7 Ernakulam-3 Thrissur-3 Palakkad-3 Kozhikode-7 Malappuram-10 Kannur-2 Kasaragod-1	Negative	Discharged
04.06.2020	94	Pathanamthitta-9 Kasaragod-5 Kollam-2 Kozhikode-2 Alappuzha-1 Malappuram-3 Palakkad-2 Kannur-4 Thiruvananthapuram-1 (Alappuzha-1) Thrissur-1 (Palakkad-1)	Positive	Under treatment

Date	No. of patients	District	Present Status	Remarks
		Ernakulam-1		
		Kollam-1		
		Palakkad-1	Positive	Expired
		Malappuram-1		
		Thiruvananthapuram-4		
		Kollam-8		
		Pathanamthitta-5		
		Alappuzha-7		
		Kottayam-5		
		Ernakulam-1 Thrissur-3	Negative	Diochargod
		Palakkad-4	Negative	Discharged
		Malappuram-4		
		Kozhikode-8		
		Wayanad-2		
		Kannur-2		
		Kasaragod-7		
		Palakkad-4		
		Malappuram-4		
		Pathanamthitta-2		
		Ernakulam-2	Dogitive	Under treatment
		Thrissur-1	Positive	Onder treatment
		Thiruvananthapuram-1		
		ldukki-1		
	111	Wayanad-2		
		Thiruvananthapuram-4		
		Kollam-2		
05.00.000		Pathanamthitta-9		
05.06.2020		Alappuzha-5		
		Kottayam-1		
		Idukki-2		
		Ernakulam-8 (Thiruvananthapuram-1, Pathanamthitta-1)	Negative	Discharged
		Thrissur-7		
		Palakkad-35		
		Malappuram-14		
		Kozhikode-4		
		Wayanad-1		
		Kasaragod-1	<u> </u>	
		Palakkad-1 (Tamilnadu native)	Positive	Travelled back
		Kollam-8 Thriisur-6		
		Malappuram-3		
		Kannur-6		
		Palakkad-2		
		Kasaragod-65		
		Pathanamthitta-5	Positive	Under treatment
06.06.2020	108	Alappuzha-1		
	108	Kozhikode-1		
		Thiruvananthapuram-1		
		ldukki-1		
		Ernakulam-1		
		Kottayam-1		
		Thiruvananthapuram-2	Negative	Discharged
		Kollam-11	] 3	3 · · · · · · · · · · · · · · · · · · ·

Date	No. of patients	District	Present Status	Remarks
		Pathanamthitta-4 Alappuzha-3 Idukki-2 Kottayam-1 Ernakulam-3 Thriisur-10 Palakkad-9 Malappuram-9 Kozhikode-3 Kannur-6 Kasaragod-5		
07.06.2020	107	Malappuram-10 Thrissur-10 Pathanamthitta-6 Kollam-3 Palakkad-3 Thiruvananthapuram-1 Kottayam-2 Kasaragod-3 Kannur-1 Idukki-1	Positive	Under treatment
		Thiruvananthapuram-3 Kollam-6 Pathanamthitta-7 Alappuzha-7 Kottayam-1 Thrissur-6 Palakkad-3 Malappuram-17 Kozhikode-6 Kannur-1	Negative	Discharged
		Thrissur-2 Malappuram-4 Kozhikode-1 Kasaragod-6 Kollam-4 Alappuzha-4 Kannur-3 Pathanamthitta-1 Kottayam-1 Ernakulam-2	Positive	Under treatment
08.06.2020	91	Thiruvananthapuram-3 Kollam-1 Pathanamthitta-2 Alappuzha-1 Kottayam-2 Ernakulam-1 Thrissur-25 Palakkad-1 Malappuram-10 Kozhikode-12 Wayanad-2 Kannur-1 Kasaragod-2 Palakkad-2	Negative Positive	Discharged  Under treatment

Date	No. of patients	District	Present Status	Remarks
		Alappuzha-3(Kollam-1) Thiruvananthapuram-3 Kottayam-3 Pathanamthitta-23 Thrissur-2 Malappuram-4 Wayanad-3 Kollam-3 Ernakulam-3 Kasaragod-1		
		Thiruvananthapuram-7 Kollam-2 Pathanamthitta-4 Alappuzha-8 Kottayam-5 Ernakulam-1 Thrissur-4 Palakkad-12 Malappuram-1 Kozhikode-7 Wayanad-3 Kannur-5 Kasaragod-1	Negative	Discharged
		Kozhikode-1 Thrissur-1 Malappuram-3 Thiruvananthapuram-4 Palakkad-4 Kollam-3 Idukki-4 Ernakulam-3 Wayanad-3 Kannur-2 Pathanamthitta-1 Thrissur-1	Positive	Under treatment
10.06.2020	65	Kannur-1 Thiruvananthapuram-2	Positive	Expired
		Kollam-1 Pathanamthitta-2 Alappuzha-1 Kottayam-3 Ernakulam-1 Thrissur-7 Palakkad-2 Malappuram-4 Kozhikode-9 Wayanad-1 Kannur-1	Negative	Discharged

Date	No. of patients	District	Present Status	Remarks
11.06.2020	83	Thrissur-5 Palakkad-11 Kasaragod-8 Kollam-8 Kannur-3 Pathanamthitta-5 Ernakulam-2	Positive	Under treatment
		Kottayam-2 Thrissur-20 Palakkad-2 Malappuram-10 Kozhikode-1 Kannur-4 Kasaragod-2		
	78	Thrissur-2 Malappuram-4 Alappuzha-5 Pathanamthitta-6 Ernakulam-4 Palakkad-5 Kollam-4 Kozhikode-1 Kasaragod-3 Kottayam-2 Kannur-1	Positive	Under treatment
12.06.2020		Kannur-1	Positive	Expired
		Thiruvananthapuram-1 Pathanamthitta-1 Alappuzha-8 Kottayam-1 Idukki-1 Ernakulam-1 Thrissur-12 Malappuram-9 Kozhikode-3 Kannur-1 Kasaragod-1	Negative	Discharged
13.06.2020		Malappuram -7 Kannur-10 Kozhikode-6 Kasaragod-7 Alappuzha-8 Palakkad-5 Ernakulam-5 Idukki-3 Wayanad-1 Pathanamthitta-1	Positive	Under treatment
		Alappuzha-7 Kottayam-1 Idukki-1 Ernakulam-2 Thrissur-4	Negative	Discharged

Date	No. of patients	District	Present Status	Remarks
		Palakkad-3 Malappuram -8 Kozhikode-6 Kannur-4 Kasaragod-2		
14.06.2020	54	Ernakulam-4 Thrissur-1 Palakkad-3 Kasaragod-4 Thiruvananthapuram-2 Kannur-4 Kottayam-3 Malappuram -2 Pathanamthitta-1 Kollam-1 Wayanad-1	Positive	Under treatment
		Thiruvananthapuram-2 Pathanamthitta-1 Idukki-2 Ernakulam-3 Thrissur-6 Palakkad-3 Malappuram -1 Kozhikode-8 Kasaragod-2	Negative	
15.06.2020	82	Ernakulam-8 Pathanamthitta-7 Kottayam-10 Kannur-10 Palakkad-7 Malappuram -6 Kozhikode-3 Alappuzha-5 Kollam-4 Thrissur-1 Kasaragod-2 Wayanad-1	Positive	Under treatment
		Ernakulam-1	Positive	Went back
		Thiruvananthapuram-1 Pathanamthitta-4 Idukki-2 Ernakulam-4 Thrissur-2 Kozhikode-3 Kasaragod-1	Positive Negative	Expired  Discharged
16.06.2020	79	Malappuram-12 Ernakulam-10 Alappuzha-7 Thrissur-4 Kannur-4	Positive	Under treatment

Date	No. of patients	District	Present Status	Remarks
		Pathanamthitta-5 Palakkad-6 Thiruvananthapuram-3 Kollam-4 Kottayam-3 (Pathanamthitta-1) Kozhikode-4		
		Kannur-1	Positive	Expired
		Thiruvananthapuram-1 Pathanamthitta-1 Kottayam-1 Ernakulam-3 Thrissur-3 Malappuram-3 Kannur-2 Kasaragod-2	Negative	·
17.06.2020	75	Kollam-11 Malappuram-9 Kasaragod-8 Thrissur-8 Palakkad-6 Kozhikode-2 Ernakulam-4 Kottayam-3 Kannur-3 Thiruvananthapuram-3 Wayanad-3 Pathanamthitta-1 Alappuzha-1	Positive	Under treatment
		Kollam-1	Positive	Expired
		Kollam-1 Kottayam-1 Ernakulam-1 Malappuram-2 Kozhikode-4 Kannur-1 Kasaragod-1	Negative	
18.06.2020	97	Palakkad-14 Kollam-10 Kottayam-9 Pathanamthitta-11 Alappuzha-9 Idukki-6 Ernakulam-5 Thrissur-6 Thiruvananthapuram-5 Kozhikode-5 Malappuram-1 Kannur-4 Kasaragod-3 Kollam-3	Positive	Under treatment
		Kottayam-2 Ernakulam-1 Malappuram-3	Negative	

Date	No. of patients	District	Present Status	Remarks
19.06.2020	118	Malappuram-18 Kollam-17 Alappuzha-13 Ernakulam-11 Palakkad-10 Pathanamthitta-9 Thiruvananthapuram-8 (Kollam-1) Kannur-8 Kottayam-7 Kozhikode-5 Wayanad-4 Kasaragod-4 Idukki-2 Thrissur-1	Positive	Under treatment
		Kozhikode-1	Negative	
20.06.2020	127	Kollam-24 Palakkad-23 Pathanamthitta-17 Kozhikode-12 Kottayam-11 Kasaragod-7 Thrissur-6 Thiruvananthapuram-5 Malappuram-5 Wayanad-5 Alappuzha-4 Kannur-4 Ernakulam-3 Idukki-1	Positive	Under treatment
21.06.2020	133	Thrissur-16 Palakkad-15 Kollam-13 Idukki-11 Alappuzha-10 Kottayam-10 Malappuram-10 Kozhikode-10 Kannur-10 Thiruvananthapuram-9 Pathanamthitta-8 Kasaragod-6 Ernakulam-5	Positive	Under treatment
22.06.2020	138	Malappuram-17 Palakkad-16 Ernakulam-14 Kollam-13 Kottayam-13 Alappuzha-12 Thrissur-12 Thiruvananthapuram-11 Kasaragod-9 Kozhikode-5 Wayanad-5 Pathanamthitta-4 Idukki-4	Positive	Under treatment

Date	No. of patients	District	Present Status	Remarks
		Kannur-3		
23.06.2020	141	Pathanamthitta-27 Palakkad-27 Alappuzha-19 Thrissur-14 Ernakulam-13 Malappuram-11 Kottayam-8 Kozhikode-6 Kannur-6 Thiruvananthapuram-4 Kollam-4 Wayanad-2	Positive	Under treatment
24.06.2020	152	Pathanamthitta-25 Kollam-18 Kannur-17 Palakkad-16 Alappuzha-15 Thrissur-15 Malappuram-10 Ernakulam-8 Kottayam-7 Idukki-6 Kasaragod-6 Thiruvananthapuram-4 Kozhikode-3 Wayanad-2	Positive	Under treatment
25.06.2020	123	Palakkad-24 Alappuzha-18 Kollam-13 Pathanamthitta-13 Ernakulam-10 Thrissur-10 Kannur-9 Kozhikode-7 Malappuram-6 Kasaragod-4 Idukki-3 Thiruvananthapuram-2 Kottayam-2 Wayanad-2	Positive	Under treatment
26.06.2020	150	Palakkad-23 Alappuzha-21 Kottayam-18 Kollam-16 Malappuram-16 Kannur-13 Ernakulam-9 Thiruvananthapuram-7 Thrissur-7 Kozhikode-7 Wayanad-5 Pathanamthitta-4 Idukki-2 Kasaragod-2	Positive	Under treatment

	Date No. of patients		District	Present Status	Remarks			
ſ	3876 persons have been tested positive till date since the outbreak in Kerala.							
	1846 persons are currently under treatment.							

Annexure 3: District wise distribution based on hospital admission

District	No. of positive cases admitted	Other Districts
Thiruvananthapuram	84	Kollam-5, Alappuzha-1, Malappuram-1, Palakkad-1
Kollam	183	
Pathanamthitta	177	Alappuzha-1
Alappuzha	154	Pathanamthitta-1
Kottayam	114	Pathanamthitta-3, Idukki-1
Idukki	50	
Ernakulam	153	Kollam-4, Alappuzha-4, Palakkad-3, Thrissur-3, Malappuram-1, Kannur-1, Kottayam -4, Kozhikode-1, Others -22
Thrissur	126	
Palakkad	237	
Malappuram	191	ldukki-1, Thrissur-2, Palakkad-3, Alappuzha-1, Kozhikode-1
Kozhikode	80	Palakkad-1, Wayanad-3
Wayanad	34	
Kannur	157	Kozhikode-2, Kasaragod-11, Thrissur-1, Malappuram-4, Palakkad-1, Ernakulam-1
Kasaragod	105	
Total	1846	

### **Annexure 4: Details of Death**

SI	District	Age	Date of	Date of	Date of	Travel	Remarks
No		_	Arrival	Result	Death	history	_
1	Ernakulam	69	16-03-20	22-03-20	28-03-20	Import	Comorbidity present
2	Thiruvananthapuram	68		29-03-20	31-03-20	Contact	Comorbidity present
3	Malappuram	4 months		22-04-20	24-04-20	Contact	Comorbidity present
4	Thrissur	73	19-05-20	22-05-20	21-05-20	Import	Brought dead, Comorbidity present
5	Wayanad	53	20-05-20	22-05-20	24-05-20	Import	Comorbidity present
6	Kannur	62	-	20-05-20	25-05-20	Contact	Comorbidity present
7	Thiruvananthapuram	68	22-05-20	28-05-20	27-05-20	Import	Telangana native, Comorbidity present
8	Pathanamthitta	65	=	18-05-20	29-05-20	Import	Comorbidity present
9	Alappuzha	39	26-05-20	30-05-20	29-05-20	Import	Comorbidity present
10	Kozhikode	55	20-05-20	27-05-20	31-05-20	import	Comorbidity present
11	Thiruvananthapuram	77	-	02-06-20	02-06-20	Nil	Comorbidity present
12	Palakkad	73	22-05-20	04-06-20	02-06-20	import	Comorbidity present
13	Malappuram	27	22-05-20	04-06-20	02-06-20	import	Comorbidity present
14	Kollam	65		04-06-20	31-05-20	Nil	
15	Malappuram	61	21-05-20	28-05-20	06-06-20	import	Comorbidity present
16	Thrissur	41	12-05-20	13-05-20	08-06-20	import	Comorbidity present
17	Thrissur	87	_	10-06-20	07-06-20	Nil	Comorbidity present
18	Kannur	70	22-05-20	10-06-20	10-06-20	import	Comorbidity present
19	Kannur	71	09-06-20	12-06-20	11-06-20	import	Comorbidity present
20	Thiruvananthapuram	67	-	15-06-20	12-06-20	Nil	Comorbidity present
21	Kannur	28	-	16-06-20	18-06-20	Nil	-
22	Kollam	68	10-06-20	17-06-20	23-06-20	Import	Comorbidity present

Annexure 5: Summary of positive cases Till May 3<sup>rd</sup>

Total number of cases reported from January 30 till May  $3^{\rm rd}$ -499

Total number of cases with travel history-334

Total number of cases with history of contact with positive case-165

District	January	February	M	arch	<b>A</b>	pril	Till M	1ay 3rd	Total
District	Import	Import	Import	Contact	Import	Contact	Import	Contact	Total
TVM			7	3	5	2			17
KLM			2	1	8	9			20
PTA			6	6	5				17
ALP		1	1		3				5
KTM				3	6	11			20
IDK			2	3	10	9			24
EKM			11	3	1	3			18
TSR	1		6	1	2	3			13
PKD			5		6	2			13
MPM			11		12	2			25
KKD			6		12	6			24
WYD			3				1		4
KNR			50		43	27		1	121
KSD		1	77	31	30	39			178
Grand Total	1	2	187	51	143	113	1	1	499

### May 4th onwards

Total number of cases reported from May 4<sup>th</sup>-3377

Total number of cases with travel history-2076

Total number of cases with history of contact with positive case-301

District	May 4th onwards till June 26		Total
District	Contact	Import	Total
TVM	23	151	174
KLM	22	256	278
PTA	2	247	249
ALP	7	251	258
KTM	7	170	177
IDK	9	65	74
EKM	11	184	195
TSR	52	268	320
PKD	46	410	456
MPM	40	340	380
KKD	12	197	209
WYD	21	60	81
KNR	38	244	282
KSD	11	233	244
Grand Total	301	3076	3377

### **Annexure 6:** Details of Passengers (excluding other State Passengers updated up to 26.06.2020)

Travel	Total passengers	Home quarantined	Institution quarantined	Passengers in isolation	Pregnant	Old age	Children less than 10	
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Air port	1,29,239	91,275	20,493	1,089	5367	3690	10,973
Sea port	1,621	514	1,101	6	34	3	24
Check post	1,71,484	1,63,967	7364	153	5759	5287	-
Railway	39,108	37,100	1,482	108	-	-	-
Total	3,41,452	2,92,856	30,440	1356	11,160	8,980	10,997

# Annexure 7: Hotspots as on 26.06.2020

	!	Annexure /: Hotspots as on				
	List of Local Self Governments needing special attention and Containment Zones - 26-6-2020 GO (Ms) No. 18/2020/DMD dated 17-6-2020					
SI.	District	LSGs needing special	Containment Zones			
No.		attention				
1	Palakkad	Anakkara	13			
2	Palakkad	Cheruppulasherry	27			
3	Palakkad	Koppam	4, 6, 8			
4	Palakkad	Lakkidi Peroor	9			
5	Palakkad	Mannarkad (M)	10			
6	Palakkad	Pirayiri	14			
7	Palakkad	Pookkottukavu	7			
8	Palakkad	Thachampara	5			
9	Palakkad	Tharoor	9			
10	Palakkad	Thrikkadeeri	10			
11	Palakkad	Vilayur	13			
12	Kannur	Aalakkod	4 (Sub-ward)			
13	Kannur	Chapparappadavu	6 (Sub-ward)			
14	Kannur	Chirakkal	23 (Sub-ward)			
15	Kannur	Chittaripparamba	13 (Sub-ward)			
16	Kannur	Irikkoor	7 (Sub-ward)			
17	Kannur	Iritty (M)	9 (Sub-ward)			
18	Kannur	Kadannappalli-Panappuzha	3, 9, 10 (Sub-ward)			
19	Kannur	Kannur (C)	48, 52 (Sub-wards), 51			
20	Kannur	Kankol-Alappadamba	6 (Sub-ward)			
21	Kannur	Karumathoor	2 (Sub-ward)			
22	Kannur	Keezhalloor	4 (Sub-ward)			
23	Kannur	Kolacherri	5 (Sub-ward)			
24	Kannur	Koothuparamba (M)	25 (Sub-ward)			
25	Kannur	Kottayam-Malabar	4, 11 (Sub-ward)			
26	Kannur	Madai	6, 7 (Sub-ward)			
27	Kannur	Maloor	3, 12			
28	Kannur	Mangattidam	4 (Sub-ward)			
29	Kannur	Mattannur (M)	7			
30	Kannur	Mattool	9, 14 (Sub-ward)			
31	Kannur	Mokeri	5 (Sub-ward)			
32	Kannur	Munderi	8 (Sub-ward)			
33	Kannur	Muzhappilangad	13 (Sub-ward)			
34	Kannur	Muzhakunnu	All Wards			
35	Kannur	Padiyoor	All Wards			
36	Kannur	Panoor (M)	31 (Sub-ward)			
37	Kannur	Pappinissery	3 (Sub-ward)			
38	Kannur	Payyannur (M)	30, 31, 42, 44 (Sub-ward)			
39	Kannur	Peralasherry	12 (Sub-ward)			
40		Peravoor	12 (Sub-Ward)			
41	Kannur		11 (Sub-ward)			
42	Kannur	Ramanthali	· · · · · · · · · · · · · · · · · · ·			
	Kannur	Sreekandapuram (M)	26 (Sub-ward)			
43	Kannur	Thalasheery (M)	14, 18 (Sub-ward)			
44	Kannur	Thillankery	All Wards			
45	Kannur	Udayagiri	2 (Sub-ward)			

46	Kannur	Vengad	1, 3, 12 (Sub-ward)
47	Kasargode	Ajanur	18, 20
48	Kasargode	Badadkka	8
49	Kasargode	Badiadkka	18
50	Kasargode	Chemnad	13, 18
51	Kasargode	Chengala	13, 17, 19, 20
52	Kasargode	Cheruvathur	3, 6, 9, 16
53	Kasargode	Kanhangad (M)	35, 39, 40
54	Kasargode	Karadka	8, 14
55	Kasargode	Kasargod (M)	9, 22
56	Kasargode	Kinanoor Karinthalam	6
57	Kasargode	Kodom Belur	1, 7
58	Kasargode	Kumbala	3, 6, 7, 19
59	Kasargode	Madhur	1, 7, 18
60	Kasargode	Madikkai	2
61	Kasargode	Mangalpady	9, 11, 12, 17, 19, 21
62	Kasargode	Manjeshwar	2, 3, 6
63	Kasargode	Meenja	2
64	Kasargode	Mogral Puthur	1
65	Kasargode	Muliyar	14
66	Kasargode	Nileshwar (M)	22
67	Kasargode	Padane	6, 7, 10
68	Kasargode	Pallikkara	5, 18, 19
69	Kasargode	Pullur Periya	1
70	Kasargode	Trikaripur	1, 4
71	Kasargode	Uduma	5, 6
72	Kasargode	Valiyaparamba	4, 7, 12, 13
73	Kasargode	Vorkardy	6
74	Kollam	Panmana	10, 11
75 76	Kollam	Punalur (M)	3, 5, 7, 12, 33, 34
76	Kollam Kollam	Thrikkovilvattom	6, 7, 9
77 78	Kollam	Mayyanad Ittiva	9, 15, 16 17
79	Kollam	Kalluvathukkal	8, 10, 11, 13
80	Kollam	Kollam (C)	42, 44, 45 (Sub-wards)
- 00	Kollaiti	Rollani (G)	4 (EMS Colony), 5 (Rose Mala), 6
81	Kollam	Kulathooppuzha	(Anpath Acer), 7 (Ambalam), 8
-			(Chozhiyakkod) 1 (Achankovil Temple), 2 (Achankovil), 4
82	Kollam	Aryankavu	(Aryankavu), 5 (Aryankavu Temple)
83	Thrissur	Engandiyur	2, 3, 4, 5, 6
84	Thrissur	Chavakkad (M)	3, 4, 8, 19, 20, 29, 30
85	Thrissur	Thrissur (C)	3, 24, 25, 26, 27, 31, 32, 33, 35, 36, 39, 48,
86	Thrissur	Vellankkallur	49 14, 15
87	Thrissur	Kunnankulam (M)	7, 8, 11, 15, 19, 20
88	Thrissur	Kattakampal	6, 7, 9
89	Thrissur	Kadavallur	14, 15, 16
90	Malappuram	Thennala	1, 2, 3, 4, 5, 6, 10, 12, 13, 14, 15, 16, 17
91	Malappuram	Parappanangadi (M)	31
92	Malappuram	Tanur	26, 30, 31
93	Kottayam	Chirakkadavu	13
94	Kottayam	Koruthodu	4
95	Kottayam	Vazhappally	8
96	Kottayam	Ramapuram	8
97	Kottayam	Mutholi	1
98	Kottayam	Thalayazham	12
99	Kottayam	Thrikodithanam	18
		•	

100	Idukki	Kumali	14
101	Idukki	Kattappana (M)	5, 8
102	Idukki	Rajakumari	8
103	Thiruvananthapuram	Kattakada	3, 5, 7, 8, 16, 17, 18, 19, 20, 21
104	Thiruvananthapuram	Thiruvananthapuram (C)	55 (Kalady Junction), 70 (Attukal, Iranimuttam), 72 (Manacadu Junction), Chiramukku-Kalady Road, 91, 92
105	Ernakulam	Amballoor	2
106	Ernakulam	Vengola	12, 17
107	Ernakulam	Sreekmoolanagaram	1, 7, 9, 10, 11, 12
108	Ernakulam	Nayarambalam	2, 15
109	Ernakulam	Malayattoor-Neeleswaram	15
110	Pathanamthitta	Mallappuzhasserry	5
111	Alappuzha	Alappuzha (M)	50
112	Alappuzha	Pattanakkad	10
113	Alappuzha	Karthikappalli	7
114	Alappuzha	Punnapra South	2
	•	rders No. DCKNR/3392/2020/DN rder No DCKLM/1827/2020-DM2	M-1 dated 23-06-2020 of DDMA 2 dated 23-6-2020 of DDMA

	LSGs added on 26-6-2020					
SI. No.	District	LSGs needing special attention	Containment Zones			
1	Ernakulam	Amballoor	2			
2	Alappuzha	Punnapra South	2			

	LSGs deleted due to no containment zone as on 26-6-2020				
SI. No	District Containment / ones				
1	Palakkad	Vallappuzha	2		

\*As per Report from Secretary KSDMA on 26.06.2020