

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

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www.dhs.kerala.gov.in

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Date: 05/11/2021 Time: 02:00 PM

#### **OUR HEALTH OUR RESPONSIBILITY**

- Even after vaccination, follow COVID appropriate behaviour.
- Maintain a distance of at least two metres with all people all the time.
- Always wear clean face mask appropriately everywhere all the time
- Perform hand hygiene after touching objects and surfaces all the time.
- Perform hand hygiene before and after touching your face.
- Observe cough and sneeze hygiene
- Avoid unnecessary travel, social interaction
- Protect the elderly and the vulnerable- Observe reverse quarantine
- PEOPLE WITH MULTIPLE COMORBIDITIES, IF DETECTED COVID POSTIVE SHOULD GET ADMITTED IN THE HOSPITAL IMMEDIATELY AND DO NOT REMAINED IN HOME ISOLATION
- Infection prevention by following Covid appropriate behaviour got strengthened with introduction of COVID vaccination.

The daily COVID-19 bulletin of the Department of Health and Family Welfare, Government of Kerala summarizes the COVID-19 situation in Kerala. The bulletin also contains links to various important documents, guidelines, and websites for references.

#### **Covid 19 status- Analytical Note**

- 95% of the eligible population vaccinated with a single dose of vaccine (2,53,89,943) and 53.2% with a double dose (1,42,22,957) till November 5.
- Kerala is the state with highest rate of Vaccination/Million-1109622. The state has vaccinated more than 96% of people aged more than 45 years with a single dose and 66% with double dose\*. (\*Target recalculated)
- People have been cooperating we appeal to the 2<sup>nd</sup> dose eligible people to take their second dose of Covishield/ Covaxin without delay. Both the vaccines are effective.

- As per today's data, among the 6580 positives, 5553 persons were eligible for vaccination. 1202 were vaccinated with single-dose and 2507 were fully vaccinated.
- 1844 persons had no history of vaccination. This sub cohort needs to be followed and among them people having morbidity are advised to access health care in a Hospital. All vaccinated people should follow covid appropriate behavior.
- Non vaccinated people with co morbidity have higher chances of mortality based on the mortality analysis. Hence, especially people with comorbidities should be careful. All must follow Covid appropriate behaviors.
- COVID-19 vaccines protect people from getting infected and become severely ill, and significantly reduce the likelihood of hospitalization and death.
- During October 29-November 4, the average active cases were 76,510 out of them an average of around 2% only were admitted in oxygen beds and 1.4% were in ICU. During this period there was a decrease of around 8904 new cases. The growth rate in newly declared cases decreased by 15% during the same week compared to the previous week. The number of active patients, those admitted in hospitals, field hospitals, ICU, ventilator and oxygen support beds has reduced by 13%, 11%, 39%, 10%, 6% and 17% respectively in this week compared to previous week. This shows that rate of hospitalization and serious cases are showing a decreasing trend.
- For any disease control program, active case finding is important. The state is doing appropriate testing. However, there is an apprehension regarding test positivity rate. It is hereby explained that test positivity rate indicates the infection. There are two specific issues all may understand i.e. contracting infection and because of contracting infection the disease manifestation. The World over post vaccination phase, contracting infection to disease manifestation is examined as CONVERSION RATE to decide the severity of pandemic. The data as on date suggests the conversion rate is stable because the People are following instructions, taking vaccines. However, it can be further improved with cooperation from all i.e. positive person having comorbidities should not delay their arrival in Hospital and take treatment as per the treatment protocols.
- Out of total 73,733 cases of infection only 7.3% of the active cases are admitted either in hospital/Field hospitals. This percentage is more or less constant and that indicates that the progression toward disease of the person who is infected is not very alarming and appropriate care and support is being given to patients. The patients who arrive late in the hospital even though having morbidity are the majority patients in the hospitals and Diabetes and Hypertension together being the most common cause of patient death. Therefore, we request people with co morbidities once detected with covid infection to get hospitalized in time.
- Based on the Covid positive data during June, July and August, 6% of the Covid positive patients had taken a single dose of Covid 19 vaccination and 3.6% had taken two doses of covid 19 vaccination. This indicates that vaccinated people may get infected, even though it is very less. It indicates that post vaccination immunity is effective in preventing infection. Vaccinated people are advised to consult Doctor only when symptomatic. Vaccinated people should follow covid appropriate behaviour.
- Symptomatic non-Vaccinated people may do RTPCR test. Antigen testing is only for emergency purpose. Non vaccinated people with co-morbidities to do testing by RTPCR and consult doctor.
- Repeat RTPCR is not needed among the people who are detected COVID positive in the previous 3 months. All young person detected positive and at home isolation should do blood sugar test.

## **PART- 1 SUMMARY OF COVID CASES AND DEATH**

Table 1. Summary of COVID-19 cases till 4/11/2021

Positive cases	Recovere d patients	New persons in Quarantine / Isolation	New Persons in Home, Institution quarantine	New persons in Hospital Isolation	Total no of Deaths reported	No of deaths declared as per appeal G.O.(Rt) No.2110/2 021/H&F WD (B)	No of pending deaths declaration of the cases up to 18 June 2021 (offline period of death reporting) As per G.O.(Rt) No.2219/2021/H&F WD Dated 14 October (C)
4995255	4887350	12084	11611	473	32734	1331	3283

Table 2. Summary of new COVID-19 cases (last 24 hours)

F	Positive cases	Recovere d patients	New persons in Quarantin e/ Isolation	New Persons in Home, Institution quarantine	New persons in Hospital Isolation	No of Deaths reported daily (A)	No of deaths declared as per appeal G.O.(Rt) No.2110/20 21/H&FWD (B)	No of pending deaths declaration of the cases up to 18 June 2021 (offline period of death reporting) As per G.O.(Rt) No.2219/2021/H& FWD Dated 14 October (C)
	6580	<i>7085</i>	9790	9348	442	46	111	157

Table 3. Cumulative summary as on 05/11/2021

Total Positive cases	Active cases	Total Recove red	Total persons in Quarantine / Isolation	Persons in Home/Ins titution quarantin e	Persons in Hospital Isolatio n	Total No of Deaths (D)	Total No of deaths declared as per appeal G.O.(Rt) No.2110/20 21/H&FWD (E)	Total No of pending deaths declaration of the cases up to 18 June 2021 (offline period of death reporting) As per G.O.(Rt) No.2219/2021/H&F WD Dated 14 October (F)
5001835	73733	4894435	247485	240859	6626	33048	1442	3440

Table 4. District wise summary of Cumulative cases, Active cases, and New positive cases

District	Positive Cases declared today	Declared Negative today	Positive cases admitted in the district	Other Districts
Thiruvananthapuram	878	1202	11468	Kollam - 79, Pathanamthitta - 19, Alappuzha - 11, Kottayam - 9, Idukki - 11, Ernakulam - 7, Thrissur - 4, Palakkad - 3, Malappuram - 1, Kozhikode - 2, Kannur - 3, Kasaragod - 1, Others - 51
Kollam	698	626	5964	Pathanamthitta - 14, Idukki - 1, Ernakulam - 1
Pathanamthitta	415	180	4221	Alappuzha - 1, Kottayam - 6, Idukki - 1, Ernakulam - 2, Thrissur - 1
Alappuzha	333	214	2737	Pathanamthitta - 43, Kottayam - 34, Ernakulam - 3, Palakkad - 5, Kannur - 1
Kottayam	422	255	5794	Pathanamthitta - 49, Idukki - 43, Ernakulam - 30, Thrissur - 1, Kannur - 2
Idukki	412	502	4393	Kottayam - 15, Ernakulam - 33
Ernakulam	791	1345	8756	Pathanamthitta - 7, Kottayam - 5, Idukki - 13, Thrissur - 1, Palakkad - 5, Wayanad - 1, Kannur - 4, Kasaragod - 2, Others - 305
Thrissur	743	27	8084	Kollam - 1, Pathanamthitta - 1, Alappuzha - 1, Kottayam - 1, Idukki - 1, Ernakulam - 6, Palakkad - 26, Malappuram - 1, Kannur - 1, Others - 1
Palakkad	234	369	2788	
Malappuram	240	402	4225	
Kozhikode	663	1147	7596	Thiruvananthapuram - 2, Pathanamthitta - 1, Kottayam - 5, Ernakulam - 13, Malappuram - 4, Wayanad - 23, Kannur - 61, Kasaragod - 14, Others - 1
Wayanad	285	204	2747	Kannur - 3
Kannur	341	420	3735	
Kasaragod	125	192	1225	Kannur - 1
Total	6580	7085	73733	

Table 5. District wise Death Cases through online and offline mode - post scrutiny status

District	No of Deaths reported daily (A)	No of deaths declared through appeal G.O.(Rt) No.2110/2021/H&F WD Dated 29 September (B)	No of pending deaths declaration of the cases up to 18 June 2021 (offline period of death reporting) As per G.O.(Rt) No.2219/2021/H&FWD Dated 14 October (C)	Death Cases approved today (A+B+C)
Thiruvananthapuram	4	0	0	4
Kollam	6	0	0	6
Pathanamthitta	2	0	0	2
Alappuzha	5	25	0	30
Kottayam	0	0	0	0
Idukki	7	0	0	7
Ernakulam	10	1	89	100
Thrissur	4	0	31	35
Palakkad	0	0	4	4
Malappuram	3	0	25	28
Kozhikode	4	64	0	68
Wayanad	0	0	0	0
Kannur	0	16	5	21
Kasaragod	1	5	3	9
Total	46	111	157	314

- The list of Track A is mentioned in the Bulletin
- The list of Track B and Track C will be very long as we are declaring cumulative cases. These lists are available with the DMO and can be verified on online portal.
- https://covid19.kerala.gov.in/deathinfo/covidDeathDeclarationList.jsp

Table 6. Summary of contact or travel history of COVID-19 cases since 4th May 2020

Total cases	5001336
Cases with history of International/Interstate travel	62539
Cases with history of contact	4938797

Table 7. Summary of contact/travel history of new COVID-19 cases reported in last 24 hours

Total cases	6580
Cases with history of International/Interstate travel	22
Cases with history of contact	6206
Cases with no history of travel or contact	352

Table 8. Details of COVID-19 positive deaths in the last 24 hours

SI no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Anil kumar	Kuttichal	50	Male	31-10-2021
2	Thiruvananthapuram	Ashok kumar	Malayinkeezhu	53	Male	18-10-2021
3	Thiruvananthapuram	Chandrika n	Perumkadavila	60	Female	30-10-2021
4	Thiruvananthapuram	Sreenivasan	Malayinkeezhu	74	Male	20-09-2021
5	Kollam	Alexander muthalaly	Poruvazhi	68	Male	20-10-2021
6	Kollam	Muraleedharan	East kallada	66	Male	04-11-2021
7	Kollam	Njanaseelan	Velinalloor	60	Male	03-11-2021
8	Kollam	Raveendran	Chirakkara	62	Male	26-10-2021
9	Kollam	Sadasivan nair	Kollam	72	Male	29-10-2021
10	Kollam	Salmabeevi	Pooyappally	80	Female	30-10-2021
11	Pathanamthitta	Chacko k mathew	Pathanamthitta	89	Male	01-11-2021
12	Pathanamthitta	P a varghese	Mallappally	87	Male	03-11-2021
13	Alappuzha	Babu K	Pathiyoor	60	Male	28-10-2021
14	Alappuzha	Emmanuel	Kuthiathode	24	Male	20-10-2021
15	Alappuzha	Krishnamma	Chettikulangara	55	Female	01-11-2021
16	16 Alappuzha Thevan govindhan		Chennithala	80	Male	29-10-2021
			thripperuthura			
17	Alappuzha	Varghese mathew	Champakkulam	57	Male	28-10-2021

18	Idukki	Achamma	Vannappuram	69	Female	29-10-2021
19	Idukki	Chadayappan	Peermade	71	Male	16-10-2021
20	Idukki	Eldhose n v	Rajakumary	59	Male	06-05-2021
21	Idukki	Siju joseph	Adimali	45	Male	02-11-2021
22	Idukki	Sivaraman k a	Kumaramangalam	65	Male	03-11-2021
23	Idukki	Sulochana	Nedumkandom	68	Female	03-11-2021
24	Idukki	Thomas e k	Kokkayar	72	Male	31-10-2021
25	Ernakulam	Alias	Chengamanadu	64	Male	31-10-2021
26	Ernakulam	Daisy	Karukutty	63	Female	13-10-2021
27	Ernakulam	Dhamodharan nair	Thrippunithura	82	Male	30-10-2021
28	Ernakulam	Hari kamath	Kochi	65	Male	25-10-2021
29	Ernakulam	Joseph	North paravur	61	Male	30-10-2021
30	Ernakulam	Kamala	Muvattupuzha	64	Female	07-08-2021
31	Ernakulam	Lalan	Elamkunnapuzha	60	Male	01-11-2021
32	Ernakulam	Thevan chothi	Pothanikkad	73	Male	18-08-2021
33	Ernakulam	Unni p s	Vadakkekara	58	Male	01-11-2021
34	Ernakulam	Vilasini	Perumbavoor	69	Female	03-05-2021
35	Thrissur	Annie davis	Thrishur	74	Female	09-10-2021
36	Thrissur	Johny po	Annamanada	53	Male	03-10-2021
37	Thrissur	Unnikrishnan	Kaipamangalam	61	Male	23-10-2021
38	Thrissur	Vasanthy	Perinjanam	73	Female	02-11-2021
39	Malappuram	Kunhi moideen	Vengara	80	Male	24-10-2021
40	Malappuram	Mohammedali	Purathur	82	Male	27-10-2021
41	Malappuram	Pathummu p	Ozhoor	79	Female	24-10-2021
42	Kozhikode	Devi	Perambra	70	Female	04-11-2021
43	Kozhikode	Janaki	Koilandy	83	Female	03-11-2021
44	Kozhikode	Kalyani	Thiruvallur	85	Female	01-11-2021
45	Kozhikode	Kunhikrishnan nair	Keezhariyur	71	Male	04-11-2021
46	Kasaragod	Muhmmed kunhi	Kodom -belur	65	Male	03-11-2021

Detailed list is available with the respective District Medical office (Health)

Table 9. Summary of critical patients

Patients in ICUs	984
Patients on Ventilator support	419

<sup>\*</sup>The data shown contains ICU and Ventilator data from both government and private hospitals

#### **PART- II COVID-19 TESTING**

Table 10. Cumulative number of samples tested

Cumulative Samples Sent	Cumulative routine + Sentinel samples	Airport surveillance	CB NAAT	True NAT	POCT PCR	RT LAMP	Antigen Assay
38206694	15383085	77321	114162	800864	47527	31230	21758819

Table 11. Details of new COVID-19 samples in the last 24 hours

Samples Sent	Routine + Sentinel Samples (PCR)	CB NAAT	True NAT	POCT PCR	RT LAMP	Antigen Assay
62219	42028	270	880	320	168	18553

## **PART-III SURVEILLANCE**

Table 12. District wise distribution of persons under quarantine and isolation

District	Persons under observation as on today	Persons under home/institutional quarantine as on today	Total persons under hospital Isolation as on today	Persons hospitalized today
Thiruvananthapuram	47451	45764	1687	
Kollam	19618	19228	390	65
Pathanamthitta	10545	10104	441	14
Alappuzha	5317	5147	170	17
Kottayam	23320	22737	583	7
Idukki	6200	5916	284	10
Ernakulam	38521	37589	932	86
Thrissur	14095	13777	318	63
Palakkad	9398	9257	141	29
Malappuram	20105	19585	520	19
Kozhikode	28771	28268	503	31
Wayanad	8089	7965	124	29
Kannur	8611	8376	235	67
Kasaragod	7444	7146	298	5
Total	247485	240859	6626	442

Table 13. Summary of Travel surveillance 05/11/2021

Mode of Travel	Cumulative number of Passengers
International airport	2322580
Total	2322580

#### PART-IV PSYCHOSOCIAL SUPPORT

'Ottakalla Oppamundu' is a program for providing Psychosocial support to the people in quarantine, isolation, school children and other categories of population as well as to the community in general.

851 Mental Health Personnel including Psychiatrists, Psychiatric Social Workers, Clinical Psychologists, and Counsellors are working and have given psychosocial support.

Table.14. Psychosocial support provided through the program "Ottakalla Oppamundu"

	* *
No. of Psychosocial workers	851
Total Psychosocial support calls made to persons in quarantine/ isolation.	71,97,765
Total psychosocial support follow-up calls made	32,12,102
Total Post COVID calls	11,33,087
Total calls made to persons under treatment for mental illnesses, migrant labourers, differently abled children, elderly persons staying alone	3,48,860
Total Psychosocial support calls to school children	9,51,759
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	89,695
Total calls to all categories of Persons	1,29,97,462

## **PART-V ANNEXURES**

Annexure-1: List of Hotspots as on 05/11/2021

Panchayaths and Urban Wards with WIPR >10			
Sl.No	District	LSG	Ward No
1	Thiruvananthapuram	Attingal (M)	3
2	Thiruvananthapuram	Nanniyode	5
3	Thiruvananthapuram	Panavoor	3
4	Thiruvananthapuram	Vakkom	7
5	Pathanamthitta	Thiruvalla (M)	18
6	Pathanamthitta	Kottanad	12
7	Pathanamthitta	Thannithode	3
8	Pathanamthitta	Mallappally	13
9	Pathanamthitta	Iraviperoor	5
10	Ernakulam	Muvattuppuzha (M)	26
11	Ernakulam	North Paravur (M)	6
12	Ernakulam	Piravom (M)	10
13	Ernakulam	Thrikkakkara (M)	29
14	Ernakulam	Thrippunithura (M)	17, 28
15	Ernakulam	Amballur	4
16	Ernakulam	Avoli	9
17	Ernakulam	Chittattukara	18
18	Ernakulam	Kalloorkkadu	12
19	Ernakulam	Keerambra	5, 13
20	Ernakulam	Kottuvally	1
21	Ernakulam	Paingottur	6, 9
22	Ernakulam	Palakkuzha	6
23	Ernakulam	Pambakkuda	13
24	Ernakulam	Puthenvelikkara	13, 17
25	Ernakulam	Thirumadi	7
26	Ernakulam	Thuravur	2
27	Thrissur	Chavakkad (M)	6
28	Thrissur	Annamanada	3
29	Thrissur	Athirappally	2, 3, 6
30	Thrissur	Chazhoor	1
31	Thrissur	Edavilnagu	8
32	Thrissur	Mathilakom	7
33	Kozhikode	Keezhariyur	5
34	Kozhikode	Koodaranji	10
35	Wayanad	Kalppatta (M)	23

36	Wayanad	Mananthavady (M)	35
37	Wayanad	Sulthanbatheri (M)	9
38	Wayanad	Kottathara	1, 13
39	Wayanad	Vengappally	13
As per G.O(Rt) No.643/2021/DMD dated 18.09.2021			

## DISTRICT WISE ABSTRACT

Sl. No	Name of District	WIPR (> 10)		
		No. of LSGs	No. of Wards	
1	Thiruvananthapuram	4	4	
2	Kollam	0	0	
3	Pathanamthitta	5	5	
4	Alappuzha	0	0	
5	Kottayam	0	0	
6	Idukki	0	0	
7	Ernakulam	17	21	
8	Thrissur	6	8	
9	Palakkad	0	0	
10	Malappuram	0	0	
11	Kozhikkode	2	2	
12	Wayanad	5	6	
13	Kannur	0	0	
14	Kasaragod	0	0	
	Total	39	46	

References
1.Thiruvanathapuram: DDMA/01/2020/COVID/H2 WIPR 12A dated 01.11.2021
2.Kollam: Nil
3.Pathanamthitta: DCPTA/1185/2020/DM5 dated 01.11.2021
4.Kottayam: Nil
5.Alappuzha: Nil
6.Idukki: Nil
7.Ernakulam: 3804/2020/D2 dated 02.11.2021

8.Thirissur: DCTSR/H4/14476/2019 dated 01.11.2021
9.Palakkad: Nil
10.Malappuram: Nil
11.Kozhikkode: DCKKD/4545/2020/F4 dated 31.10.2021
12.Wayanad: DCWYD/2671/2021/DM5 dated 30.10.2021
13.Kannur: Nil
14.Kasaragod: Nil

# Annexure-2: District Covid 19 Control Room Numbers Oxygen War Room Numbers

District	Covid 19 Control Room Numbers	Oxygen War Room Numbers
Thiruvananthapuram	9188610100, 1077, 0471 277 9000	7592939426, 7592949448
Kollam	0474 2797609, 2794006, 8589015556	75920 03857
Alappuzha	0477 2239999, 2238642, 2238651	7594041555
Pathanamthitta	0468 2222515, 0468 2228220	1077, 8547715558
Idukki	18004255640, 0486 2232220, 2233118	18004255640, 04862233118
Kottayam	9188610014, 9188610016, 0481 2304800,	0481 256 7390
	0481 2583200, 0481 2566100, 0481	
	2566700, 0481 2561300	
Ernakulam	0484 2368702, 0484 2368802, 0484	75940 46167
	2368902	
	Guest Control Room 9072303275,	
	9072303276	
	WhatsApp Number 9400021077	
Thrissur	9400066921, 9400066922, 9400066923	9400063430, 7034099935
Palakkad	0491 251 0580, 04912510583	0491251 0577, 8848902376
	0491 251 0575, 0491 251 0576, 251 0574	
Malappuram	0483 2737858, 0483 2737857,0483	0483 2952950
	2733251, 0483 2733252, 2733253	
Calicut	0495 2371471, 0495 2376063	75940-01419, 7594001485
	Collectorate 0495 2371002	
Kannur	0497 2700194, 2713437, 9400066062,	8281899687
	9400066616	
Wayanad	04936 202343, 04936 202375	9526831678
Kasaragod	9946000493, 9946000293	9645002811

# Annexure-3: Table of links to documents, guidelines, and websites

Dashboard	https://dashboard.kerala.gov.in/	
Daily Bulletin	http://dhs.kerala.gov.in/	& E2%80%8D/

Guidelines and Advisories	http://dhs.kerala.gov.in/¶ \$ .		
Awareness materials	https://www.dropbox.com/sh/l2h2n9hu737lea3/AAD43CHbedUZa 8PUY9v3m0Wa?dl=0		
Posters	http://dhs.kerala.gov.in/photo-gallery/		
COVID-19 Jagratha	https://covid19jagratha.kerala.nic.in/		
E Sanjeevani	https://esanjeevaniopd.in		
NHM Kerala	https://arogyakeralam.gov.in/		
Directorate of Health Services	https://dhs.kerala.gov.in/		
Directorate of Medical Education	http://www.dme.kerala.gov.in/		
Department of Health and Family Welfare	https://health.kerala.gov.in/		
Training and IEC videos	https://www.youtube.com/c/keralahealthonlinetraining		

# **Annexure-4: District Psychosocial support Helpline numbers**

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District	COVID help line numbers	
Thiruvananthapuram	9846854844	
Kollam	0474 2740166, 8281086130	
Pathanamthitta	8281113911	
Alappuzha	4792344474	
Kottayam	9539355724	
Idukki	04862226929, 9496886418	
Ernakulam	04842351185, 9846996516	
Thrissur	48723831553	
Palakkad	4912533323	
Malappuram	7593843617, 7593843625	
Kozhikode	9495002270	
Wayanad	9400348670	
Kannur	04972734343, 9495142091	
Kasaragod	9072574748, 9447447888	

- District Helpline Numbers will be available from 9am to 4 pm.
- State Helpline Numbers DISHA 0471-2552056 and 1056 (Toll Free Number) will be available 24x7