

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

www.health.kerala.gov.in

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Date: 31/10/2021 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**

- 94.7% of the eligible population vaccinated with a single dose of vaccine (2,53,05,973) and 51.1% with a double dose (1,36,55,382) till October 31.
- Kerala is the state with highest rate of Vaccination/Million-1091371. 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 7167 positives, 6010 persons were eligible for vaccination. 1494 were vaccinated with single-dose and 2674 were fully vaccinated.
- 1842 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 24-30, the average active cases were 76,939 out of them an average of around 2% only were admitted in oxygen beds and 1.5% were in ICU. During this period there was a decrease of around 5330 new cases. The growth rate in newly declared cases decreased by 9% 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 6%, 10%, 22%, 14%, 15% and 8% 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 79,185 cases of infection only 8% 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 30/10/2021

Positive cases	Recovere d patients	New persons in Quarantine / 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.2110/2 021/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)
4961490	4850742	15955	15358	597	31514	912	2725

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

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)
7167	6439	14674	14159	515	14	7	146

Table 3. Cumulative summary as on 31/10/2021

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)
4968657	<i>79185</i>	4857181	272248	264972	7276	31681	919	2871

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	754	11497	Kollam - 97, Pathanamthitta - 17, Alappuzha - 10, Kottayam - 16, Idukki - 13, Ernakulam - 8, Thrissur - 8, Palakkad - 3, Malappuram - 3, Kozhikode - 3, Kannur - 1, Kasaragod - 1, Others - 59
Kollam	592	848	6588	Pathanamthitta - 10, Idukki - 1, Ernakulam - 1
Pathanamthitta	447	406	4489	Alappuzha - 3, Kottayam - 8, Idukki - 4, Ernakulam - 3, Thrissur - 1
Alappuzha	270	455	3138	Kollam - 4, Pathanamthitta - 39, Kottayam - 34, Idukki - 6, Ernakulam - 3, Palakkad - 5, Kannur - 1
Kottayam	506	155	6458	Pathanamthitta - 49, Alappuzha - 2, Idukki - 59, Ernakulam - 30, Thrissur - 1, Kannur - 2
Idukki	550	195	4818	Alappuzha - 1, Kottayam - 14, Ernakulam - 34
Ernakulam	1046	918	10770	Pathanamthitta - 10, Kottayam - 11, Idukki - 24, Thrissur - 2, Palakkad - 12, Wayanad - 2, Kannur - 4, Kasaragod - 2, Others - 310
Thrissur	753	38	6527	Kollam - 1, Pathanamthitta - 1, Alappuzha - 1, Idukki - 1, Ernakulam - 6, Palakkad - 24, Malappuram - 1, Kannur - 1, Others - 1
Palakkad	339	423	3330	Thiruvananthapuram - 2, Pathanamthitta - 2, Kottayam - 8, Idukki - 2, Ernakulam - 6, Thrissur - 40, Malappuram - 8, Kozhikode - 1, Kasaragod - 2
Malappuram	334	560	4919	Thiruvananthapuram - 2, Pathanamthitta - 2, Kottayam - 2, Idukki - 1, Ernakulam - 3, Thrissur - 4, Kannur - 2, Kasaragod - 1
Kozhikode	742	760	8259	Thiruvananthapuram - 2, Pathanamthitta - 1, Kottayam - 5, Ernakulam - 12, Malappuram - 4, Wayanad - 19, Kannur - 61, Kasaragod - 13, Others - 1
Wayanad	269	329	2952	Kannur - 3, Kasaragod - 1
Kannur	304	451	3942	Thiruvananthapuram - 6, Kollam - 3, Pathanamthitta - 1, Alappuzha - 2, Kottayam - 5, Idukki - 2, Ernakulam - 9, Thrissur - 4, Palakkad - 2, Malappuram - 5, Kozhikode - 10, Wayanad - 2, Kasaragod - 187
Kasaragod	137	147	1498	Kannur - 2
Total	7167	6439	79185	

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	1	0	0	1
Kollam	0	0	0	0
Pathanamthitta	0	0	2	2
Alappuzha	0	0	1	1
Kottayam	5	0	0	5
Idukki	0	0	1	1
Ernakulam	4	0	7	11
Thrissur	0	0	59	59
Palakkad	1	0	15	16
Malappuram	0	0	48	48
Kozhikode	3	7	13	23
Wayanad	0	0	0	0
Kannur	0	0	0	0
Kasaragod	0	0	0	0
Total	14	7	146	167

- 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	4968158
Cases with history of International/Interstate travel	62399
Cases with history of contact	4905759

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

Total cases	7167
Cases with history of International/Interstate travel	20
Cases with history of contact	6933
Cases with no history of travel or contact	214

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

SI no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Komala kumari amma	Thiruvananthapuram	85	Female	28-10-2021
2	Kottayam	Achamma philip	Parathodu	83	Female	09-09-2021
3	Kottayam	Janardhanan	Madappally	61	Male	05-09-2021
4	Kottayam	Kamalakshyamma	Thalayolaparambu	88	Female	23-10-2021
5	Kottayam	Karunakaran	Manimala	72	Male	09-09-2021
6	Kottayam	Mariyamma	Mundakayam	86	Female	11-09-2021
7	Ernakulam	Annamkutty	Puthenvelikara	92	Female	29-10-2021
8	Ernakulam	Celina william	Kochi	83	Female	27-10-2021
9	Ernakulam	Leelamani	Perumbavoor	68	Female	27-10-2021
10	Ernakulam	Sageer p h	Kochi	54	Male	27-10-2021
11	Palakkad	Nabeesa	Mannur	88	Female	30-10-2021
12	Kozhikode	Balan	Vadakara	83	Male	29-10-2021
13	Kozhikode	Kamala	Koilandy	76	Female	28-10-2021
14	Kozhikode	Sarojini	Nanmanda	75	Female	28-10-2021

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

**Table 9. Summary of critical patients** 

Patients in ICUs	1124
Patients on Ventilator support	458

<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
37886378	15165816	77321	112703	795458	45988	30499	21664907

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
65158	47896	217	858	356	142	15689

#### 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	51058	49371	1687	128
Kollam	20826	20282	544	60
Pathanamthitta	10251	9809	442	18
Alappuzha	6629	6393	236	18
Kottayam	24775	24162	613	19
Idukki	6705	6439	266	8
Ernakulam	44174	43290	884	22
Thrissur	14270	13864	406	54
Palakkad	10096	9778	318	61
Malappuram	22251	21791	460	11
Kozhikode	32625	31952	673	35
Wayanad	7898	7749	149	31
Kannur	12056	11759	297	46
Kasaragod	8634	8333	301	4
Total	272248	264972	7276	515

**Table 13. Summary of Travel surveillance 31/10/2021** 

Mode of Travel	Cumulative number of Passengers
International airport	2278911
Domestic airport	1090919
Total	3369830

#### 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.

927 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	927
Total Psychosocial support calls made to persons in quarantine/ isolation.	71,64,868
Total psychosocial support follow-up calls made	32,10,035
Total Post COVID calls	1127482
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	947019
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	89,384
Total calls to all categories of Persons	1,29,51,842

#### **PART-V ANNEXURES**

## Annexure-1: List of Hotspots as on 31/10/2021

Panchayaths and Urban Wards with WIPR >10			
Sl.No	District LSG Ward No		Ward No
1	Thiruvananthapuram	Attingal (M)	23
2	Thiruvananthapuram	Edava	10
3	Thiruvananthapuram	Manamboor	7
4	Thiruvananthapuram	Panavoor	3
5	Thiruvananthapuram	Pullampara	3
6	Thiruvananthapuram	Uzhamalackal	12
7	Thiruvananthapuram	Vellanad	2
8	Thiruvananthapuram	Vitura	13
9	Kollam	Paravoor (M)	5
10	Kollam	Vettikkavala	3
11	Kollam	Adichanalloor	14
12	Kollam	Velinalloor	6
13	Kollam	Nedumbana	19
14	Pathanamthitta	Pathanamthitta (M)	5
15	Pathanamthitta	Kozhanjeri	13
16	Pathanamthitta	Vadasserikkara	12
17	Pathanamthitta	Kodumon	9
18	Pathanamthitta	Vechuchira	12
19	Pathanamthitta	Malayalappuzha	3
20	Pathanamthitta	Pandhalam-Thekkekkara	4
21	Pathanamthitta	Kunnanthanam	11
22	Idukki	Kattappana (M)	22
23	Idukki	Adimali	3, 11, 21
24	Idukki	Pallivasal	10, 12, 14
25	Idukki	Vellathooval	1, 5, 6
26	Idukki	Konnathady	13
27	Idukki	Arakkulam	11
28	Idukki	Alakkode	10
29	Idukki	Udumbannoor	2, 12
30	Idukki	Pampadumpara	10
31	Ernakulam	Koothattukulam (M)	8, 19
32	Ernakulam	Kothamangalam (M)	16
33	Ernakulam	North Paravur	13
34	Ernakulam	Piravom (M)	10, 16, 19

35	Ernakulam	Thrikkakkara (M)	8
36	Ernakulam	Aikkaranad	4
37	Ernakulam	Avoli	7
38	Ernakulam	Ayampuzha	9
39	Ernakulam	Chendhamangalm	3
40	Ernakulam	Chittattukara	14, 2, 4
41	Ernakulam	Kadamakkudi	13, 8
42	Ernakulam	Kalloorkkadu	12, 5, 8
43	Ernakulam	Kottuvally	1, 7
44	Ernakulam	Kuttambuzha	10
45	Ernakulam	Kuzhuppally	1, 12, 9
46	Ernakulam	Maneed	3
47	Ernakulam	Manjalloor	13
48	Ernakulam	Marady	2
49	Ernakulam	Nayarambalam	5
50	Ernakulam	Njarakkal	5
51	Ernakulam	Palakkuzha	6
52	Ernakulam	Pambakkuda	4, 5, 6
53	Ernakulam	Pothanikkadu	13, 3, 5, 6
54	Ernakulam	Puthenvelikkara	11, 17, 6
55	Ernakulam	Thirumaradi	13, 8, 9, 1
56	Ernakulam	Thuravur	4
57	Ernakulam	Thiruvaniyoor	1, 4
58	Ernakulam	Valakom	6
59	Thrissur	Thrissur ©	6
60	Thrissur	Kodungalloor (M)	31
61	Thrissur	Mathilakom	3, 9, 16
62	Thrissur	Athirappally	3, 6
63	Thrissur	Kaipamangalam	3
64	Thrissur	Thanniyam	1, 2, 3, 11, 16
65	Thrissur	Kuzhur	11
66	Thrissur	Sree Narayanapuram	8, 9
67	Kozhikode	Atholi	17
68	Kozhikode	Kakkur	11
69	Kozhikode	Ulliyeri	4, 8
70	Kozhikode	Koodaranji	6
71	Wayanad	Kalppatta (M)	23
72	Wayanad	Mananthavady (M)	16
73	Wayanad	Kottathara	11
ı	-	1	

74	Wayanad	Muttil	5
75	Wayanad	Thariyode	7
76	Kasaragod	West Eleri	9
77	Kasaragod	Kallar	3
	As per G.O(Rt) No.643/2021/DMD dated 18.09.2021		

## DISTRICT WISE ABSTRACT

		WIP	R (> 10)
Sl.No	District	No of LSGs	No of wards
1	Thiruvananthapuram	8	8
2	Kollam	5	5
3	Pathanamthitta	8	8
4	Alappuzha	0	0
5	Kottayam	0	0
6	Idukki	9	16
7	Ernakulam	28	50
8	Thrissur	8	16
9	Palakkad	0	0
10	Malappuram	0	0
11	Kozhikode	4	5
12	Wayanad	5	5
13	Kannur	0	0
14	Kasaragod	2	2
	Grand Total	77	115

References
1.Thiruvanathapuram: DDMA/01/2020/COVID/H2 WIPR 11A dated 25.10.2021
2.Kollam: DCKLM/1827/2020-DM2(1) dated 25.10.2021
3.Pathanamthitta: DCPTA/1185/2020/DM5 dated 25.10.2021
4.Kottayam: Nil
5.Alappuzha: Nil
6.Idukki: DCIDK/2584/2021 dated 25.10.2021
7.Ernakulam: 3804/2020/D2 dated 25.10.2021
8.Thirissur: DCTSR/H4/14476/2019 dated 25.10.2021
9.Palakkad: Nil
10.Malappuram: Nil

11.Kozhikkode: DCKKD/6274/2021/F4 dated 24.10.2021	
12.Wayanad: DCWYD/2671/2021/DM5 dated 23.10.2021	
13.Kannur: Nil	
14.Kasaragod: DCKSGD/1331/2020-K1 dated 25.10.2021	

# 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 2583200, 0481 2566100, 0481	0481 256 7390
	2566700, 0481 2561300	
Ernakulam	0484 2368702, 0484 2368802, 0484 2368902	75940 46167
	Guest Control Room 9072303275, 9072303276	
	WhatsApp Number 9400021077	
Thrissur	9400066921, 9400066922, 9400066923 9400063430, 7034099935	
Palakkad	0491 251 0580, 04912510583 0491 251 0575, 0491 251 0576, 251 0574	0491251 0577, 8848902376
Malappuram	0483 2737858, 0483 2737857,0483 2733251, 0483 2733252, 2733253	0483 2952950
Calicut	0495 2371471, 0495 2376063 Collectorate 0495 2371002	75940-01419, 7594001485
Kannur	0497 2700194, 2713437, 9400066062, 9400066616	8281899687
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/ഡെയിലി-ബൂള്ളറ്റിന്%E2%80%8D/
Guidelines and Advisories	http://dhs.kerala.gov.in/ജാഗ്രത- നിര്%E2%80%8Dദേശങ്ങള്%E2%80%8D/

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**

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  $24 \chi 7$