



**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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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.

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.*

Covid 19 status- Analytical Note

- 95.9% of the eligible population vaccinated with a single dose of vaccine (2,56,25,378) and 62.6% with a double dose (1,67,26,533) till November 26.
- Kerala is the state with highest rate of Vaccination/ Million- 1186346. The state has vaccinated more than 96% of people aged more than 45 years with a single dose and 74% with double dose*. (*Target recalculated)
- People have been cooperating we appeal to the 2nd 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 4677 positives, 3957 persons were eligible for vaccination. 607 were vaccinated with single-dose and 1973 were fully vaccinated.**
- **1377 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 behaviour.**
- **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 November 19-November 25, the average active cases were 57,277 out of them an average of around 1.7% only were admitted in oxygen beds and 1.5% were in ICU. During this period there was a decrease of around 6167 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 15%, 9%, 19%, 6% , 10% and 13% 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 49,459 cases of infection only 7.2% 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 25/11/2021

Positive cases	Recovered 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.2110/2021/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)
5119941	5028752	9509	9234	275	38737	5819	3779

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

Positive cases	Recovered 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.2110/2021/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)
4677	6632	10395	10110	285	33	355	0

Table 3. Cumulative summary as on 26/11/2021

Total Positive cases	Active cases	Total Recovered	Total persons in Quarantine / Isolation	Persons in Home/Institution quarantine	Persons in Hospital Isolation	Total No of Deaths (D)	Total No of deaths declared as per appeal G.O.(Rt) No.2110/2021/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&FWD Dated 14 October (F)
5124618	49459	5035384	169347	164542	4805	39125	6174	3779

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	633	812	7276	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	330	748	3375	Pathanamthitta - 14, Idukki - 1, Ernakulam - 1
Pathanamthitta	202	312	1473	Alappuzha - 1, Kottayam - 6, Idukki - 1, Ernakulam - 2, Thrissur - 1
Alappuzha	144	136	1547	Pathanamthitta - 43, Kottayam - 34, Ernakulam - 3, Palakkad - 5, Kannur - 1
Kottayam	369	786	4648	Pathanamthitta - 49, Idukki - 43, Ernakulam - 30, Thrissur - 1, Kannur - 2
Idukki	150	290	2705	Kottayam - 15, Ernakulam - 33
Ernakulam	823	947	7163	Pathanamthitta - 7, Kottayam - 5, Idukki - 13, Thrissur - 1, Palakkad - 5, Wayanad - 1, Kannur - 4, Kasaragod - 2, Others - 305
Thrissur	485	695	4780	Kollam - 1, Pathanamthitta - 1, Alappuzha - 1, Kottayam - 1, Idukki - 1, Ernakulam - 6, Palakkad - 26, Malappuram - 1, Kannur - 1, Others - 1
Palakkad	208	285	1130	
Malappuram	162	160	2472	
Kozhikode	588	772	6720	Thiruvananthapuram - 2, Pathanamthitta - 1, Kottayam - 5, Ernakulam - 13, Malappuram - 4, Wayanad - 23, Kannur - 61, Kasaragod - 14, Others - 1
Wayanad	202	182	2334	Kannur - 3
Kannur	295	437	2893	
Kasaragod	86	70	943	Kannur - 1
Total	4677	6632	49459	

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	5	35	0	40
Kollam	5	0	0	5
Pathanamthitta	0	1	0	1
Alappuzha	2	15	0	17
Kottayam	0	58	0	58
Idukki	0	10	0	10
Ernakulam	4	5	0	9
Thrissur	4	113	0	117
Palakkad	8	25	0	33
Malappuram	3	31	0	34
Kozhikode	2	0	0	2
Wayanad	0	0	0	0
Kannur	0	62	0	62
Kasaragod	0	0	0	0
Total	33	355	0	388

- 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	5124119
Cases with history of International/Interstate travel	63000
Cases with history of contact	5061119

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

Total cases	4677
Cases with history of International/Interstate travel	16
Cases with history of contact	4353
Cases with no history of travel or contact	308

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Abdul Salam	Nedumangad	64	Male	25-11-2021
2	Thiruvananthapuram	Augusthy Varghese Varickackal	Thiruvananthapuram	66	Male	20-11-2021
3	Thiruvananthapuram	Manju	Aryanad	30	Female	24-11-2021
4	Thiruvananthapuram	Parameswaran Nair S	Thiruvananthapuram	66	Male	22-11-2021
5	Thiruvananthapuram	Sushamma	Kallara	62	Female	24-11-2021
6	Kollam	Chandrasenan	Thrikkaruva	66	Male	24-09-2021
7	Kollam	Jerone X	Thekkumbhagam	88	Male	25-11-2021
8	Kollam	Kunjiraman Achary	Yeroor	76	Male	21-11-2021
9	Kollam	Saradamma	Kadakkal	84	Female	20-11-2021
10	Kollam	Selvaraj P	Kollam	49	Male	18-11-2021
11	Alappuzha	Remani K K	Muhamma	59	Female	22-11-2021
12	Alappuzha	Sukumaran M	Cheppad	71	Male	20-11-2021
13	Ernakulam	Kamalakshi	Kuttampuzha	88	Female	07-08-2021
14	Ernakulam	Karthu	Thrikkakara	68	Female	09-07-2021
15	Ernakulam	Omana	Kochi	74	Female	06-09-2021
16	Ernakulam	P T Aliyas	Rayamangalam	74	Male	23-11-2021
17	Thrissur	Ayyappan	Avanur	68	Male	22-11-2021
18	Thrissur	Mary Rappai	Poomangalam	91	Female	23-11-2021
19	Thrissur	Neelakandan	Irinjalakuda	83	Male	24-11-2021
20	Thrissur	Thomas	Kodungallur	76	Male	24-11-2021
21	Palakkad	Annamma	Sholayur	77	Female	14-07-2021

22	Palakkad	Chinnaresi	Sholayur	43	Female	17-06-2021
23	Palakkad	Gopalakrishnan	Palakkad	79	Male	20-11-2021
24	Palakkad	Haridasan	Vadavannur	40	Male	26-11-2021
25	Palakkad	Muhammed	Pattithara	75	Male	23-11-2021
26	Palakkad	Muraleedharan	Vaniyamkulam	74	Male	23-11-2021
27	Palakkad	Saraumma	Pirayiri	81	Female	25-11-2021
28	Palakkad	Vellakutty	Peruvemba	75	Female	24-11-2021
29	Malappuram	Chozikutty	Edakkara	88	Male	15-11-2021
30	Malappuram	Mohammed Moosa	Thanalur	48	Male	11-11-2021
31	Malappuram	Ms Subaida K	Thanalur	57	Female	18-06-2021
32	Kozhikode	Cyriac M A	Kozhikode	68	Male	24-11-2021
33	Kozhikode	Sulochana	Faroke	76	Female	04-11-2021

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

Table 9. Summary of critical patients

Patients in ICUs	787
Patients on Ventilator support	303

**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
39522149	16251899	77321	120002	823087	84565	34509	22137080

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
56558	36633	280	975	297	107	18266

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	11546	10256	1290	32
Kollam	13442	13171	271	31
Pathanamthitta	7924	7572	352	9
Alappuzha	3779	3666	113	14
Kottayam	25418	25009	409	0
Idukki	3362	3275	87	3
Ernakulam	28309	27703	606	29
Thrissur	12631	12392	239	40
Palakkad	7924	7758	166	21
Malappuram	11779	11530	249	20
Kozhikode	17661	17367	294	12
Wayanad	14550	14415	135	26
Kannur	6763	6453	310	31
Kasaragod	4259	3975	284	17
Total	169347	164542	4805	285

Table 13. Summary of Travel surveillance 26/11/2021

Mode of Travel	Cumulative number of Passengers
International airport	2464081
Total	2464081

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. **818** 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	818
Total Psychosocial support calls made to persons in quarantine/ isolation.	72,90,956
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	9,68,240
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	90,555
Total calls to all categories of Persons	1,31,07,994

PART-V ANNEXURES

Annexure-1: List of Hotspots as on 26/11/2021

Panchayaths and Urban Wards with WIPR >10			
Sl.No	District	LSG	Ward No
1	Idukki	Mariyapuram	3
2	Idukki	Kodikkulam	2
3	Idukki	Arakkulam	11
4	Ernakualm	Edavanakkadu	4
5	Ernakualm	Edakkattuvayal	8
6	Ernakualm	Paingottur	11
7	Ernakualm	Chittattukara	13
8	Ernakualm	Aluva (M)	26
9	Ernakualm	Njarakkal	9
10	Ernakualm	Kottuvalli	1
11	Ernakualm	Kalloorkkadu	9
12	Ernakualm	Puthenvelikkara	11, 17
13	Ernakualm	Palakkuzha	11
14	Thrissur	Athirappally	2
15	Thrissur	Kondazhy	14
16	Thrissur	Kuzhur	5, 6
17	Thrissur	Punnayoorkkulam	13
18	Wayanad	Thavinjal	13
19	Wayanad	Kottathara	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	Idukki	3	3
2	Ernakulam	10	11
3	Thrissur	4	5
4	Wayanad	2	2
Total		19	21

References
<i>1.Thiruvananthapuram: Nil</i>
<i>2.Kollam: Nil</i>
<i>3.Pathanamthitta: Nil</i>
<i>4.Kottayam: Nil</i>
<i>5.Alappuzha: Nil</i>
<i>6.Idukki: DCIDK/2584/2021/DM1 dated 20.11.2021</i>
<i>7.Ernakulam: 3804/2020/D2 dated 22.11.2021</i>
<i>8.Thirissur: DCTSR/H4/14476/2019 dated 22.11.2021</i>
<i>9.Palakkad: Nil</i>
<i>10.Malappuram: Nil</i>
<i>11.Kozhikkode: Nil</i>
<i>12.Wayanad: DCWYD/2671/2021/DM5 dated 20.11.2021</i>
<i>13.Kannur: Nil</i>
<i>14.Kasaragod: Nil</i>

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 2566700, 0481 2561300	0481 256 7390
Ernakulam	0484 2368702, 0484 2368802, 0484 2368902 Guest Control Room 9072303275, 9072303276 WhatsApp Number 9400021077	75940 46167
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
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Annexure-3: Table of links to documents, guidelines, and websites

Dashboard	https://dashboard.kerala.gov.in/
Daily Bulletin	http://dhs.kerala.gov.in/ഡെയിലി-ബുള്ളറ്റിൻ%E2%80%8D/
Guidelines and Advisories	http://dhs.kerala.gov.in/ജാഗ്രത-നിർ%E2%80%8Dദേശങ്ങൾ%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 24x7*