



**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

**Date: 09/12/2021
Time: 02:00 PM**

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

- 96.7% of the eligible population vaccinated with a single dose of vaccine (2,58,44,013) and 69.4% with a double dose (1,85,56,617) till December 9.
- Kerala is the state with highest rate of Vaccination/ Million- 1243734. The state has vaccinated more than 97% of people aged more than 45 years with a single dose and 78% 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 4169 positives, 3600 persons were eligible for vaccination. 421 were vaccinated with single-dose and 2075 were fully vaccinated.**
- **1104 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 December 2-December 8, the average active cases were 42,571 out of them an average of around 1.9% only were admitted in oxygen beds and 1.5% were in ICU. During this period there was a decrease of around 1592 new cases. The growth rate in newly declared cases decreased by 5% 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 9%, 7%, 0.2%, 12%, 18% and 6% 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 40,546 cases of infection only 7.9% 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 8/12/2021

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)
5178892	5095263	10595	10334	261	42014	8565	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)
4169	4357	10346	10069	277	52	173	0

Table 3. Cumulative summary as on 09/12/2021

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)
5183061	40546	5099620	163498	158897	4601	42239	8738	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	759	863	6248	
Kollam	300	111	2202	Pathanamthitta - 6
Pathanamthitta	172	214	1189	Wayanad - 1
Alappuzha	141	147	968	Pathanamthitta - 12
Kottayam	317	318	4329	
Idukki	140	126	2012	Wayanad - 2
Ernakulam	691	563	6411	
Thrissur	341	344	3821	
Palakkad	142	184	111	
Malappuram	161	249	2070	
Kozhikode	526	638	6193	
Wayanad	98	182	1609	
Kannur	287	337	2468	
Kasaragod	94	81	915	
Total	4169	4357	40546	

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	7	31	0	38
Kollam	8	0	0	8
Pathanamthitta	2	68	0	70
Alappuzha	6	8	0	14
Kottayam	4	34	0	38
Idukki	7	0	0	7
Ernakulam	5	0	0	5
Thrissur	3	0	0	3
Palakkad	4	16	0	20
Malappuram	2	10	0	12
Kozhikode	0	0	0	0
Wayanad	2	0	0	2
Kannur	1	0	0	1
Kasaragod	1	6	0	7
Total	52	173	0	225

- 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	5182562
Cases with history of International/Interstate travel	63186
Cases with history of contact	5119376

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

Total cases	4169
Cases with history of International/Interstate travel	5
Cases with history of contact	3935
Cases with no history of travel or contact	229

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Krishnan Kutty	Pothencode	75	Male	09-12-2021
2	Thiruvananthapuram	Sheeja	Vamanapuram	44	Female	07-12-2021
3	Thiruvananthapuram	Sreedevi K	Kunnathukal	60	Female	07-12-2021
4	Thiruvananthapuram	Stanly A	Nanniyode	65	Male	05-11-2021
5	Thiruvananthapuram	Subhashini	Azhoor	73	Female	06-12-2021
6	Thiruvananthapuram	Thulasi S	Neyyattinkara	67	Female	28-11-2021
7	Thiruvananthapuram	Vasu	Maranallur	69	Male	08-12-2021
8	Kollam	Arjunan	Pathanapuram	70	Male	04-12-2021
9	Kollam	Chinnamma	Elamadu	80	Female	23-10-2021
10	Kollam	Komalakumari	Vilakkudy	58	Female	11-11-2021
11	Kollam	Kutten Pillai	Pathanapuram	69	Male	03-12-2021
12	Kollam	Rachel A	Pathanapuram	72	Female	06-12-2021
13	Kollam	Rajamma	Edamulakkal	85	Female	07-12-2021
14	Kollam	Shanavas	Clappana	32	Male	25-11-2021
15	Kollam	Suresh Kumar	Velinalloor	44	Male	15-11-2021
16	Pathanamthitta	Aisha Beevi	Konni	84	Female	06-12-2021
17	Pathanamthitta	Thomas	Vechoochira	57	Male	04-12-2021
18	Alappuzha	Elikutty	Thuravoor	94	Female	07-12-2021
19	Alappuzha	Koyamon	Alappuzha	70	Male	11-07-2021
20	Alappuzha	Meenakshi	Karuvatta	76	Female	15-07-2021

21	Alappuzha	Omana Karunakaran	Mulakkuzha	75	Female	13-07-2021
22	Alappuzha	Thomas	Mararikkulam South	60	Male	17-07-2021
23	Alappuzha	Viswanathan	Cheruthana	77	Male	12-07-2021
24	Kottayam	Jagathamma	Kumarakom	65	Female	08-12-2021
25	Kottayam	Nazeema K H	Ettumanoor	54	Female	19-07-2021
26	Kottayam	Rajan	Vazhoor	71	Male	01-12-2021
27	Kottayam	Sangeetha T C	Kottayam	43	Female	15-07-2021
28	Idukki	Jose C P	Rajakumary	47	Male	03-09-2021
29	Idukki	Joseph Jose	Kumily	66	Male	08-12-2021
30	Idukki	Madhavi	Elappara	98	Female	03-12-2021
31	Idukki	Muhammed	Adimali	60	Male	30-11-2021
32	Idukki	Ouseph	Manakkad	92	Male	05-12-2021
33	Idukki	Paulose	Vandanmedu	57	Male	04-12-2021
34	Idukki	Thresiamma	Vazhathope	65	Female	01-12-2021
35	Ernakulam	Devassy Kunjuvareed	Parakkadavu	103	Male	18-11-2021
36	Ernakulam	Haleema Hameed	Kalamassery	70	Female	06-12-2021
37	Ernakulam	Samma	Rayamangalam	74	Female	02-12-2021
38	Ernakulam	Sosamma Varghese	Nedumbassery	82	Female	01-12-2021
39	Ernakulam	Thankamma	North Paravur	78	Female	22-08-2021
40	Thrissur	Abdul Salam	Eriyad	57	Male	26-11-2021
41	Thrissur	Sivadhasan	Guruvayoor	47	Male	23-11-2021
42	Thrissur	V N Rathnam	Puthur	84	Female	05-12-2021
43	Palakkad	Balan Nair P	Nellaya	95	Male	23-11-2021
44	Palakkad	Kuppamma	Sholayur	65	Female	08-12-2021
45	Palakkad	Radhakrishnan	Pirayiri	43	Male	01-09-2021
46	Palakkad	Visalakshi	Palakkad	80	Female	19-08-2021
47	Malappuram	Mammed	Mankada	75	Male	16-09-2021
48	Malappuram	Sankaranarayanan	Valavannur	72	Male	09-11-2021
49	Wayanad	Chorichi	Kottathara	70	Female	24-09-2021
50	Wayanad	Mery	Padinjarathara	58	Female	05-12-2021
51	Kannur	Raghavan	Alakode	80	Male	16-07-2021
52	Kasaragod	Mathew	Balal	75	Male	07-12-2021

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

Table 9. Summary of critical patients

Patients in ICUs	594
Patients on Ventilator support	222

**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
40279498	16767911	77321	123650	836096	88410	37182	22355242

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
66715	46309	270	947	504	557	18128

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	29759	28490	1269	30
Kollam	9265	8963	302	47
Pathanamthitta	3647	3235	412	10
Alappuzha	3405	3345	60	11
Kottayam	20413	20035	378	12
Idukki	2999	2901	98	7
Ernakulam	24381	23795	586	19
Thrissur	5138	4936	202	30
Palakkad	13667	13526	141	20
Malappuram	11025	10832	193	17
Kozhikode	17150	16861	289	15
Wayanad	10892	10770	122	24
Kannur	7790	7489	301	29
Kasaragod	3967	3719	248	6
Total	163498	158897	4601	277

Table 13. Summary of Travel surveillance 09/12/2021

Mode of Travel	Cumulative number of Passengers
International airport	2593897
Total	2593897

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. **776** 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	776
Total Psychosocial support calls made to persons in quarantine/ isolation.	73,31,265
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	9,75,592
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	91,050
Total calls to all categories of Persons	1,31,56,150

PART-V ANNEXURES

Annexure-1: List of Hotspots as on 09/12/2021

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
-----------	------------------------	------------

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

Dashboard	https://dashboard.kerala.gov.in/
Daily Bulletin	http://dhs.kerala.gov.in/ഡെയിലി-ബുള്ളറ്റിന്%E2%80%8D/
Guidelines and Advisories	http://dhs.kerala.gov.in/ജാഗ്രത-നിര്%E2%80%8Dദേശങ്ങളു%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*