



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

www.health.kerala.gov.in

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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

- 95.9% of the eligible population vaccinated with a single dose of vaccine (2,56,17,352) and 62.2% with a double dose (1,66,31,675) till November 25.
- Kerala is the state with highest rate of Vaccination/ Million- 1183464. 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 5987 positives, 5039 persons were eligible for vaccination. 778 were vaccinated with single-dose and 2721 were fully vaccinated.**
- **1540 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 18-November 24, the average active cases were 57,277 out of them an average of around 1.6% only were admitted in oxygen beds and 1.4% were in ICU. During this period there was a decrease of around 7156 new cases. The growth rate in newly declared cases decreased by 17% 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 14%, 9%, 15%, 7%, 12% and 10% 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 51,804 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 24/11/2021

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)
5113954	5023658	10046	9741	305	38353	5491	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)
5987	5094	9509	9234	275	56	328	0

Table 3. Cumulative summary as on 25/11/2021

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)
5119941	51804	5028752	174319	169469	4850	38737	5819	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	863	751	7496	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	377	286	3798	Pathanamthitta - 14, Idukki - 1, Ernakulam - 1
Pathanamthitta	253	354	1584	Alappuzha - 1, Kottayam - 6, Idukki - 1, Ernakulam - 2, Thrissur - 1
Alappuzha	215	277	1556	Pathanamthitta - 43, Kottayam - 34, Ernakulam - 3, Palakkad - 5, Kannur - 1
Kottayam	555	219	5123	Pathanamthitta - 49, Idukki - 43, Ernakulam - 30, Thrissur - 1, Kannur - 2
Idukki	277	458	2855	Kottayam - 15, Ernakulam - 33
Ernakulam	963	484	7296	Pathanamthitta - 7, Kottayam - 5, Idukki - 13, Thrissur - 1, Palakkad - 5, Wayanad - 1, Kannur - 4, Kasaragod - 2, Others - 305
Thrissur	450	445	5107	Kollam - 1, Pathanamthitta - 1, Alappuzha - 1, Kottayam - 1, Idukki - 1, Ernakulam - 6, Palakkad - 26, Malappuram - 1, Kannur - 1, Others - 1
Palakkad	188	308	1241	
Malappuram	414	247	2504	
Kozhikode	664	484	6906	Thiruvananthapuram - 2, Pathanamthitta - 1, Kottayam - 5, Ernakulam - 13, Malappuram - 4, Wayanad - 23, Kannur - 61, Kasaragod - 14, Others - 1
Wayanad	275	329	2314	Kannur - 3
Kannur	373	368	3097	
Kasaragod	120	84	927	Kannur - 1
Total	5987	5094	51804	

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	13	33	0	46
Kollam	9	0	0	9
Pathanamthitta	7	0	0	7
Alappuzha	1	28	0	29
Kottayam	6	78	0	84
Idukki	6	21	0	27
Ernakulam	8	10	0	18
Thrissur	1	0	0	1
Palakkad	4	11	0	15
Malappuram	0	0	0	0
Kozhikode	1	69	0	70
Wayanad	0	0	0	0
Kannur	0	78	0	78
Kasaragod	0	0	0	0
Total	56	328	0	384

- 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	5119442
Cases with history of International/Interstate travel	62984
Cases with history of contact	5056458

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

Total cases	5987
Cases with history of International/Interstate travel	37
Cases with history of contact	5619
Cases with no history of travel or contact	331

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Ambi	Kunnathukal	60	Female	29-10-2021
2	Thiruvananthapuram	Arun	Thiruvananthapuram	34	Male	06-11-2021
3	Thiruvananthapuram	Chandran	Pazhayakunnummel	61	Male	31-10-2021
4	Thiruvananthapuram	Gopi K	Attingal	85	Male	18-11-2021
5	Thiruvananthapuram	Madhavi	Cherunniyoor	74	Female	15-10-2021
6	Thiruvananthapuram	Padmanabhan	Nedumangad	61	Male	19-11-2021
7	Thiruvananthapuram	Samkutty	Poovachal	68	Male	07-11-2021
8	Thiruvananthapuram	Siva Prasad K	Thiruvananthapuram	58	Male	13-11-2021
9	Thiruvananthapuram	Subher T	Attingal	81	Male	24-11-2021
10	Thiruvananthapuram	Syamala	Kalliyoor	85	Female	24-09-2021
11	Thiruvananthapuram	Thomas	Thiruvananthapuram	62	Male	23-11-2021
12	Thiruvananthapuram	V Murleedharan Nair	Neyyattinkara	74	Male	16-11-2021
13	Thiruvananthapuram	V P Subhash Chandran	Poovachal	66	Male	30-10-2021
14	Kollam	Babu	Ittiva	60	Male	25-10-2021
15	Kollam	C Radhamma	Veliyam	71	Female	23-11-2021
16	Kollam	K G Sethukutty Pillai	Paravoor	82	Female	17-11-2021
17	Kollam	Lathakumari	Chavara	33	Female	17-11-2021
18	Kollam	Mary Dasan	Thevalakkara	78	Male	17-11-2021
19	Kollam	P D Rajan	Oachira	72	Male	24-11-2021

20	Kollam	Sankaran Pillai	Thrikkovilvattom	82	Male	30-10-2021
21	Kollam	Sudharma	Neduvathur	58	Female	24-09-2021
22	Kollam	Sukumaran	Kulakkada	74	Male	22-11-2021
23	Pathanamthitta	Abraham Philips	Pathanamthitta	65	Male	24-11-2021
24	Pathanamthitta	Bhavani	Kadambanad	80	Female	20-11-2021
25	Pathanamthitta	C K Vasu	Pathanamthitta	70	Male	18-11-2021
26	Pathanamthitta	George Thomas	Ayiroor	71	Male	14-09-2021
27	Pathanamthitta	Jancy C K	Pathanamthitta	45	Female	17-11-2021
28	Pathanamthitta	Thankamma Samuel	Adoor	83	Female	22-11-2021
29	Pathanamthitta	Unni	Thottappuzhassery	74	Male	20-11-2021
30	Alappuzha	Kc Joseph	Alappuzha	82	Male	07-11-2021
31	Kottayam	Amminiyamma	Thrikkodithanam	79	Female	24-11-2021
32	Kottayam	Chacko	Parathodu	58	Male	23-11-2021
33	Kottayam	K E Kora	Vakathanam	78	Male	22-11-2021
34	Kottayam	Padmakshi A R	Vijayapuram	83	Female	05-11-2021
35	Kottayam	Racymon P V	Aymanam	49	Male	23-11-2021
36	Kottayam	Vimala	Vijayapuram	82	Female	22-11-2021
37	Idukki	Janaki Krishnan	Thodupuzha	71	Female	23-11-2021
38	Idukki	Joseph	Peruvanthanam	88	Male	22-11-2021
39	Idukki	Joseph Chacko	Nedumkandom	68	Male	21-11-2021
40	Idukki	Mariyamma	Kattappana	58	Female	22-11-2021
41	Idukki	Parukuttyamma	Thodupuzha	85	Female	21-11-2021
42	Idukki	Thankamma	Kamakshy	67	Female	21-11-2021
43	Ernakulam	Fr Simon	Piravom	92	Male	20-11-2021
44	Ernakulam	Kochuthressia	Kochi	70	Female	08-11-2021
45	Ernakulam	Kunjappan	Kumbalam	65	Male	21-11-2021
46	Ernakulam	Kuriakose P J	Thrikkakara	84	Male	22-11-2021
47	Ernakulam	Mercy	Chellanam	65	Female	22-11-2021
48	Ernakulam	Mohanan T K	Paipra	61	Male	16-11-2021
49	Ernakulam	Velayudhan	Kochi	85	Male	20-11-2021
50	Ernakulam	Xavier P T	Angamaly	59	Male	08-11-2021
51	Thrissur	Shaju Joseph	Thrishur	52	Male	19-11-2021
52	Palakkad	Chandran	Kuthanur	65	Male	25-11-2021
53	Palakkad	Mani Devi	Chittur- Thathamangalam	65	Female	17-11-2021
54	Palakkad	Valliyammal	Kozhinjampara	72	Female	24-11-2021
55	Palakkad	Vasu	Kannadi	81	Male	23-11-2021
56	Kozhikode	Kv Joseph	Chathamangalam	89	Male	20-11-2021

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

Table 9. Summary of critical patients

Patients in ICUs	789
Patients on Ventilator support	316

**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
39465591	16215266	77321	119722	822112	84268	34402	22118814

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
66165	43252	299	1114	582	189	20729

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	12789	11496	1293	41
Kollam	14064	13783	281	33
Pathanamthitta	7794	7434	360	5
Alappuzha	3943	3834	109	12
Kottayam	26007	25593	414	0
Idukki	3539	3443	96	2
Ernakulam	29635	29026	609	42
Thrissur	13207	12959	248	34
Palakkad	7900	7737	163	20
Malappuram	11996	11769	227	10
Kozhikode	17926	17596	330	20
Wayanad	14224	14073	151	22
Kannur	6819	6521	298	28
Kasaragod	4476	4205	271	6
Total	174319	169469	4850	275

Table 13. Summary of Travel surveillance 25/11/2021

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.	72,87,830
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	9,67,344
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	90,514
Total calls to all categories of Persons	1,31,03,931

PART-V ANNEXURES

Annexure-1: List of Hotspots as on 25/11/2021

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
<i>As per G.O(Rt) No.643/2021/DMD dated 18.09.2021</i>			

DISTRICT WISE ABSTRACT

Sl. No	Name of District	WIPR (> 10)	
		No. of LSGs	No. of Wards
<i>1</i>	<i>Idukki</i>	<i>3</i>	<i>3</i>
<i>2</i>	<i>Ernakulam</i>	<i>10</i>	<i>11</i>
<i>3</i>	<i>Thrissur</i>	<i>4</i>	<i>5</i>
<i>4</i>	<i>Wayanad</i>	<i>2</i>	<i>2</i>
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-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*