



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

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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

- 96.5% of the eligible population vaccinated with a single dose of vaccine (2,57,94,411) and 68% with a double dose (1,81,81,212) till December 6.
- Kerala is the state with highest rate of Vaccination/ Million- 1231829. 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 3277 positives, 2870 persons were eligible for vaccination. 308 were vaccinated with single-dose and 1582 were fully vaccinated.**
- **980 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 29-December 5, the average active cases were 44,073 out of them an average of around 1.8% only were admitted in oxygen beds and 1.6% were in ICU. During this period there was a decrease of around 493 new cases. The growth rate in newly declared cases decreased by 2% 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%, 10%, 13%, 12%, 13% 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 40,730 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 5/12/2021

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)
5165921	5080211	11373	11117	256	41600	8244	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)
3277	5833	12498	12243	12498	30	138	0

Table 3. Cumulative summary as on 06/12/2021

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)
5169198	40730	5086044	166787	162029	4758	41768	8382	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	482	938	6683	
Kollam	200	524	2150	Pathanamthitta - 3
Pathanamthitta	95	323	1202	Wayanad - 1
Alappuzha	123	174	937	Pathanamthitta - 2
Kottayam	286	461	4240	
Idukki	142	146	2000	
Ernakulam	568	724	6342	
Thrissur	262	598	3745	
Palakkad	99	187	364	
Malappuram	135	397	2156	
Kozhikode	503	741	5978	
Wayanad	62	266	1646	
Kannur	267	287	2340	
Kasaragod	53	67	947	
Total	3277	5833	40730	

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	8	10	0	18
Kollam	1	0	0	1
Pathanamthitta	0	0	0	0
Alappuzha	0	44	0	44
Kottayam	0	42	0	42
Idukki	0	14	0	14
Ernakulam	5	0	0	5
Thrissur	1	0	0	1
Palakkad	7	11	0	18
Malappuram	0	0	0	0
Kozhikode	3	0	0	3
Wayanad	3	0	0	3
Kannur	0	0	0	0
Kasaragod	2	17	0	19
Total	30	138	0	168

- 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	<i>5168699</i>
Cases with history of International/Interstate travel	<i>63148</i>
Cases with history of contact	<i>5105551</i>

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

Total cases	<i>3277</i>
Cases with history of International/Interstate travel	<i>9</i>
Cases with history of contact	<i>3081</i>
Cases with no history of travel or contact	<i>187</i>

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

Sl No.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Bindhu	Neyyattinkara	43	Female	05-12-2021
2	Thiruvananthapuram	Lalitha	Thiruvananthapuram	65	Female	28-11-2021
3	Thiruvananthapuram	Manjusha L	Pangode	46	Female	04-12-2021
4	Thiruvananthapuram	Rajan	Vembayam	70	Male	02-12-2021
5	Thiruvananthapuram	Sarasu	Poovachal	64	Female	05-12-2021
6	Thiruvananthapuram	Savithri	Kottukal	66	Female	05-12-2021
7	Thiruvananthapuram	Sugunan	Elakamon	62	Male	05-12-2021
8	Thiruvananthapuram	Usha S L		32	Female	27-11-2021
9	Kollam	Lekshmikutty Amma	Yeroor	66	Female	05-12-2021
10	Ernakulam	Annakutty Mathai	Arakkuzha	85	Female	03-12-2021
11	Ernakulam	John V P	Palakuzha	83	Male	19-11-2021
12	Ernakulam	Lalu	Koovappady	42	Male	27-11-2021
13	Ernakulam	Parvathy Kunjanpilla	Keerampara	64	Female	01-12-2021
14	Ernakulam	Rajamma Raveendran	Thuravoor	64	Female	01-12-2021
15	Thrissur	Abdulla N M	Kattoor	64	Male	28-11-2021
16	Palakkad	Ammukutty	Koduvayur	68	Female	08-11-2021
17	Palakkad	Appu	Mundur	58	Male	03-12-2021
18	Palakkad	G S S Iyyer	Palakkad	82	Male	24-08-2021
19	Palakkad	Jameela	Pattambi	53	Female	04-12-2021

20	Palakkad	Kaliyammal	Muthalamada	80	Female	05-12-2021
21	Palakkad	Subramanian	Palakkad	60	Male	04-12-2021
22	Palakkad	Thithu	Kottoppadam	70	Female	31-08-2021
23	Kozhikode	Abdulla	Cheruvannur	80	Male	01-12-2021
24	Kozhikode	Baby Girija Valsaraj	Mukkam	67	Female	03-12-2021
25	Kozhikode	Narayani Amma	Vanimel	95	Female	02-12-2021
26	Wayanad	Aysha	Muttill	72	Female	05-11-2021
27	Wayanad	James P D	Kalpetta	59	Male	27-11-2021
28	Wayanad	Kunjappa	Mananthavady	76	Male	30-11-2021
29	Kasaragod	Abdullah T P	Trikaripur	85	Male	28-11-2021
30	Kasaragod	Kunhikannan	Trikaripur	72	Male	04-12-2021

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

Table 9. Summary of critical patients

Patients in ICUs	659
Patients on Ventilator support	249

**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
40076919	16629167	77321	122722	832726	86750	36302	22298245

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
45412	32050	246	786	197	86	12047

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	30693	29424	1269	30
Kollam	9465	9133	332	38
Pathanamthitta	4306	3935	371	6
Alappuzha	3285	3222	63	8
Kottayam	20607	20237	370	1
Idukki	3273	3166	107	4
Ernakulam	25031	24402	629	12
Thrissur	6824	6581	243	44
Palakkad	12381	12238	143	20
Malappuram	11087	10855	232	14
Kozhikode	17194	16921	273	14
Wayanad	11774	11641	133	20
Kannur	7571	7275	296	39
Kasaragod	3296	2999	297	5
Total	166787	162029	4758	255

Table 13. Summary of Travel surveillance 06/12/2021

Mode of Travel	Cumulative number of Passengers
International airport	2574413
Total	2574413

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.	73,22,403
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	9,73,358
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	90,929
Total calls to all categories of Persons	1,31,44,933

PART-V ANNEXURES

Annexure-1: List of Hotspots as on 06/12/2021

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
<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
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-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*