



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

[www.health.kerala.gov.in](http://www.health.kerala.gov.in)

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**Date: 30/11/2021**

**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**

- 96.1% of the eligible population vaccinated with a single dose of vaccine (2,56,83,011) and 64.8% with a double dose (1,73,13,579) till November 30.
- Kerala is the state with highest rate of Vaccination/ Million- 1204405. The state has vaccinated more than 96% of people aged more than 45 years with a single dose and 75% 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 4723 positives, 4077 persons were eligible for vaccination. 532 were vaccinated with single-dose and 2289 were fully vaccinated.
- 1256 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 23-November 29, the average active cases were 49,323 out of them an average of around 1.7% only were admitted in oxygen beds and 1.6% were in ICU. During this period there was a decrease of around 6694 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 18%, 10%, 30%, 8% , 6% 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 43,663 cases of infection only 7.7% 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 29/11/2021**

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)
5137091	5051998	6352	6107	245	39955	6899	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)
4723	5370	9613	9331	282	19	158	0

**Table 3. Cumulative summary as on 30/11/2021**

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)
5141814	43663	5057368	153221	148515	4706	40132	7057	3779

**Table 4. District wise summary of Cumulative cases, Active cases, and New positive cases**

<b>District</b>	<b>Positive Cases declared today</b>	<b>Declared Negative today</b>	<b>Positive cases admitted in the district</b>	<b>Other Districts</b>
Thiruvananthapuram	755	696	6792	
Kollam	355	358	2777	Pathanamthitta - 3
Pathanamthitta	169	472	1406	Ernakulam - 1, Wayanad - 1
Alappuzha	150	243	1106	Pathanamthitta - 8, Kottayam - 4, Ernakulam - 6
Kottayam	271	385	3771	
Idukki	199	242	2285	Pathanamthitta - 2
Ernakulam	592	813	6506	
Thrissur	492	656	4052	
Palakkad	189	264	816	
Malappuram	211	191	2268	
Kozhikode	718	427	6405	
Wayanad	206	201	2003	
Kannur	337	361	2513	
Kasaragod	79	61	963	
<b>Total</b>	<b>4723</b>	<b>5370</b>	<b>43663</b>	

**Table 5. District wise Death Cases through online and offline mode - post scrutiny status**

<b>District</b>	<b>No of Deaths reported daily (A)</b>	<b>No of deaths declared through appeal G.O.(Rt) No.2110/2021/H&amp;F WD Dated 29 September (B)</b>	<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&amp;FWD Dated 14 October (C)</b>	<b>Death Cases approved today (A+B+C)</b>
Thiruvananthapuram	3	28	0	31
Kollam	5	0	0	5
Pathanamthitta	0	79	0	79
Alappuzha	0	21	0	21
Kottayam	0	0	0	0
Idukki	0	12	0	12
Ernakulam	0	0	0	0
Thrissur	7	0	0	7
Palakkad	0	2	0	2
Malappuram	2	0	0	2
Kozhikode	0	0	0	0
Wayanad	0	0	0	0
Kannur	0	9	0	9
Kasaragod	2	7	0	9
<b>Total</b>	<b>19</b>	<b>158</b>	<b>0</b>	<b>177</b>

- 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	<b>5141315</b>
Cases with history of International/Interstate travel	<b>63039</b>
Cases with history of contact	<b>5078276</b>

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

Total cases	<b>4723</b>
Cases with history of International/Interstate travel	<b>12</b>
Cases with history of contact	<b>4419</b>
Cases with no history of travel or contact	<b>292</b>

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Ramesan V	Vilappil	60	Male	25-11-2021
2	Thiruvananthapuram	Sujatha	Thiruvananthapuram	57	Female	24-11-2021
3	Thiruvananthapuram	Vijaya Kumar	Thiruvananthapuram	70	Male	26-11-2021
4	Kollam	Muneera	Sooranad North	37	Female	29-11-2021
5	Kollam	Raghavan Pillai R	Punalur	90	Male	20-11-2021
6	Kollam	Sankaran Nair	Thazhava	75	Male	21-11-2021
7	Kollam	Sunil Kumar	Kottamkara	52	Male	27-11-2021
8	Kollam	Surendran	Anchal	69	Male	23-11-2021
9	Thrissur	Annu	Thrishur	92	Female	25-11-2021
10	Thrissur	Nafeesa	Pavaratty	84	Female	26-11-2021
11	Thrissur	Narayanan	Alagappanagar	77	Male	24-11-2021
12	Thrissur	Pareed	Irinjalakuda	80	Male	21-11-2021
13	Thrissur	P K Iqbal	Vellangalur	73	Male	25-11-2021
14	Thrissur	Subhadra	Thalikulam	74	Female	01-07-2021
15	Thrissur	Unnikrishnan	Kodungallur	76	Male	26-11-2021
16	Malappuram	Mr Mohammed Kutty P	Valanchery	76	Male	11-07-2021
17	Malappuram	Ms Ayisha	Tirur	62	Female	07-07-2021
18	Kasaragod	Abbas	Pallikkara	75	Male	26-11-2021
19	Kasaragod	Kunhambu	Kanhangad	62	Male	29-11-2021

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

**Table 9. Summary of critical patients**

Patients in ICUs	726
Patients on Ventilator support	290

*\*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
39728732	16386808	77321	121133	827195	85582	35282	22201725

**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
59524	37225	347	1229	127	142	20454

**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	6271	5002	1269	30
Kollam	11761	11474	287	34
Pathanamthitta	6612	6248	364	10
Alappuzha	3342	3236	106	15
Kottayam	21601	21239	362	0
Idukki	3065	2972	93	1
Ernakulam	26162	25541	621	47
Thrissur	10554	10322	232	32
Palakkad	9051	8902	149	29
Malappuram	11369	11146	223	10
Kozhikode	19950	19640	310	21
Wayanad	12874	12755	119	18
Kannur	6889	6594	295	30
Kasaragod	3720	3444	276	5
<b>Total</b>	<b>153221</b>	<b>148515</b>	<b>4706</b>	<b>282</b>

**Table 13. Summary of Travel surveillance 30/11/2021**

Mode of Travel	Cumulative number of Passengers
International airport	2511489
<b>Total</b>	<b>2511489</b>



## **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	<b>818</b>
Total Psychosocial support calls made to persons in quarantine/ isolation.	<b>72,90,956</b>
Total psychosocial support follow-up calls made	<b>32,12,102</b>
Total Post COVID calls	<b>11,33,087</b>
Total calls made to persons under treatment for mental illnesses, migrant labourers, differently abled children, elderly persons staying alone	<b>3,48,860</b>
Total Psychosocial support calls to school children	<b>9,68,240</b>
Total psychosocial support calls to health care workers	<b>64,194</b>
Total Psychosocial support calls received in helpline numbers	<b>90,555</b>
<b>Total calls to all categories of Persons</b>	<b>1,31,07,994</b>

**PART-V ANNEXURES**

**Annexure-1: List of Hotspots as on 30/11/2021**

<b>Panchayaths and Urban Wards with WIPR &gt;10</b>			
<b>Sl.No</b>	<b>District</b>	<b>LSG</b>	<b>Ward No</b>
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**

<b>Sl. No</b>	<b>Name of District</b>	<b>WIPR (&gt; 10)</b>	
		<b>No. of LSGs</b>	<b>No. of Wards</b>
1	Idukki	3	3
2	Ernakulam	10	11
3	Thrissur	4	5
4	Wayanad	2	2
<b>Total</b>		<b>19</b>	<b>21</b>

<b>References</b>
<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**

<b>District</b>	<b>Covid 19 Control Room Numbers</b>	<b>Oxygen War Room Numbers</b>
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	<a href="https://dashboard.kerala.gov.in/">https://dashboard.kerala.gov.in/</a>
Daily Bulletin	<a href="http://dhs.kerala.gov.in/ഡെയിലി-ബുള്ളറ്റിന്%E2%80%8D/">http://dhs.kerala.gov.in/ഡെയിലി-ബുള്ളറ്റിന്%E2%80%8D/</a>
Guidelines and Advisories	<a href="http://dhs.kerala.gov.in/ജാഗ്രത-നിര്%E2%80%8Dദേശങ്ങളു%E2%80%8D/">http://dhs.kerala.gov.in/ജാഗ്രത-നിര്%E2%80%8Dദേശങ്ങളു%E2%80%8D/</a>
Awareness materials	<a href="https://www.dropbox.com/sh/l2h2n9hu737lea3/AAD43CHbedUZa_8PUY9v3m0Wa?dl=0">https://www.dropbox.com/sh/l2h2n9hu737lea3/AAD43CHbedUZa_8PUY9v3m0Wa?dl=0</a>
Posters	<a href="http://dhs.kerala.gov.in/photo-gallery/">http://dhs.kerala.gov.in/photo-gallery/</a>
COVID-19 Jagratha	<a href="https://covid19jagratha.kerala.nic.in/">https://covid19jagratha.kerala.nic.in/</a>
E Sanjeevani	<a href="https://esanjeevaniopd.in">https://esanjeevaniopd.in</a>
NHM Kerala	<a href="https://arogyakeralam.gov.in/">https://arogyakeralam.gov.in/</a>
Directorate of Health Services	<a href="https://dhs.kerala.gov.in/">https://dhs.kerala.gov.in/</a>
Directorate of Medical Education	<a href="http://www.dme.kerala.gov.in/">http://www.dme.kerala.gov.in/</a>
Department of Health and Family Welfare	<a href="https://health.kerala.gov.in/">https://health.kerala.gov.in/</a>
Training and IEC videos	<a href="https://www.youtube.com/c/keralahealthonlinetraining">https://www.youtube.com/c/keralahealthonlinetraining</a>

### 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

<b>Kannur</b>	04972734343, 9495142091
<b>Kasaragod</b>	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*