



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

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

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

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**Date: 27/11/2021  
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% of the eligible population vaccinated with a single dose of vaccine (2,56,43,576) and 63.4% with a double dose (1,69,42,644) till November 27.
- Kerala is the state with highest rate of Vaccination/ Million- 1192909. 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 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 4741 positives, 3991 persons were eligible for vaccination. 589 were vaccinated with single-dose and 2243 were fully vaccinated.**
- **1159 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 48,501 cases of infection only 7.4% 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 26/11/2021**

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)
5124618	5035384	10395	10110	285	39125	6174	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)
4741	5144	8859	8547	312	28	526	0

**Table 3. Cumulative summary as on 27/11/2021**

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)
5129359	48501	5040528	164088	159297	4791	39679	6700	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	786	866	7181	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	380	354	3239	Pathanamthitta - 14, Idukki - 1, Ernakulam - 1
Pathanamthitta	164	67	1526	Alappuzha - 1, Kottayam - 6, Idukki - 1, Ernakulam - 2, Thrissur - 1
Alappuzha	152	184	1484	Pathanamthitta - 43, Kottayam - 34, Ernakulam - 3, Palakkad - 5, Kannur - 1
Kottayam	357	500	4445	Pathanamthitta - 49, Idukki - 43, Ernakulam - 30, Thrissur - 1, Kannur - 2
Idukki	172	294	2583	Kottayam - 15, Ernakulam - 33
Ernakulam	797	662	7265	Pathanamthitta - 7, Kottayam - 5, Idukki - 13, Thrissur - 1, Palakkad - 5, Wayanad - 1, Kannur - 4, Kasaragod - 2, Others - 305
Thrissur	509	512	4671	Kollam - 1, Pathanamthitta - 1, Alappuzha - 1, Kottayam - 1, Idukki - 1, Ernakulam - 6, Palakkad - 26, Malappuram - 1, Kannur - 1, Others - 1
Palakkad	198	178	1127	
Malappuram	207	208	2421	
Kozhikode	506	781	6442	Thiruvananthapuram - 2, Pathanamthitta - 1, Kottayam - 5, Ernakulam - 13, Malappuram - 4, Wayanad - 23, Kannur - 61, Kasaragod - 14, Others - 1
Wayanad	131	105	2355	Kannur - 3
Kannur	287	348	2815	
Kasaragod	95	85	947	Kannur - 1
<b>Total</b>	<b>4741</b>	<b>5144</b>	<b>48501</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	6	9	0	15
Kollam	6	156	0	162
Pathanamthitta	0	43	0	43
Alappuzha	0	31	0	31
Kottayam	0	60	0	60
Idukki	0	0	0	0
Ernakulam	4	29	0	33
Thrissur	3	103	0	106
Palakkad	4	19	0	23
Malappuram	0	50	0	50
Kozhikode	3	0	0	3
Wayanad	2	3	0	5
Kannur	0	17	0	17
Kasaragod	0	6	0	6
<b>Total</b>	<b>28</b>	<b>526</b>	<b>0</b>	<b>554</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>5128860</b>
Cases with history of International/Interstate travel	<b>63008</b>
Cases with history of contact	<b>5065852</b>

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

Total cases	<b>4741</b>
Cases with history of International/Interstate travel	<b>8</b>
Cases with history of contact	<b>4418</b>
Cases with no history of travel or contact	<b>315</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	Appu	Pangode	82	Male	27-11-2021
2	Thiruvananthapuram	Gopi	Kunnathukal	66	Male	19-10-2021
3	Thiruvananthapuram	Lal P	Pulimath	51	Male	27-11-2021
4	Thiruvananthapuram	Mercy	Neyyattinkara	96	Female	16-11-2021
5	Thiruvananthapuram	Nandakumar	Thiruvananthapuram	70	Male	13-11-2021
6	Thiruvananthapuram	Vasumathi	Pallichal	73	Female	20-10-2021
7	Kollam	Abdhul Azees	Thalavoor	77	Male	26-11-2021
8	Kollam	Baby M T	Sooranad South	76	Male	22-11-2021
9	Kollam	Gangadharan	Karunagappally	65	Male	23-11-2021
10	Kollam	Sadasivan Pillai	Mynagappally	76	Male	12-10-2021
11	Kollam	Syamala	Kummil	60	Female	26-11-2021
12	Kollam	Yashodharan	Kollam	70	Male	24-11-2021
13	Ernakulam	Francis	Kochi	70	Male	22-11-2021
14	Ernakulam	Joseph	Marady	76	Male	24-11-2021
15	Ernakulam	Lilly Saraswathy	Kochi	83	Female	13-10-2021
16	Ernakulam	P V Jayaprakash	Elamkunnappuzha	80	Male	01-11-2021
17	Thrissur	Aleema	Guruvayoor	62	Female	12-08-2021
18	Thrissur	John Kc	Thrishur	91	Male	25-11-2021
19	Thrissur	Peethambara Menon P	Vellangalur	95	Male	25-11-2021
20	Palakkad	Abdul Samad	Kongad	67	Male	26-11-2021
21	Palakkad	Guruswamy	Chittur-Thathamangalam	80	Male	26-11-2021

22	Palakkad	Ponnuswami	Sholayur	55	Male	17-10-2021
23	Palakkad	Ramakrishnan	Sholayur	60	Male	26-07-2021
24	Kozhikode	Kallyani	Edacheri	90	Female	24-11-2021
25	Kozhikode	Sadanandhan	Payyoli	60	Male	22-11-2021
26	Kozhikode	Shivaraman	Vadakara	80	Male	25-11-2021
27	Wayanad	Krishnan P	Kalpetta	71	Male	25-11-2021
28	Wayanad	Leela	Mananthavady	55	Female	22-11-2021

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

**Table 9. Summary of critical patients**

Patients in ICUs	<b>762</b>
Patients on Ventilator support	<b>304</b>

*\*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
<b>39576458</b>	<b>16286854</b>	<b>77321</b>	<b>120280</b>	<b>824077</b>	<b>85172</b>	<b>34665</b>	<b>22154403</b>

**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
<b>54309</b>	<b>34955</b>	<b>278</b>	<b>990</b>	<b>607</b>	<b>156</b>	<b>17323</b>

**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	10059	8784	1275	33
Kollam	12953	12677	276	51
Pathanamthitta	7854	7502	352	5
Alappuzha	3635	3533	102	10
Kottayam	24681	24269	412	0
Idukki	3276	3180	96	7
Ernakulam	27859	27240	619	40
Thrissur	12266	12037	229	40
Palakkad	7889	7737	152	22
Malappuram	11379	11148	231	13
Kozhikode	17358	17047	311	18
Wayanad	14062	13927	135	27
Kannur	6773	6461	312	37
Kasaragod	4044	3755	289	9
<b>Total</b>	<b>164088</b>	<b>159297</b>	<b>4791</b>	<b>312</b>

**Table 13. Summary of Travel surveillance 27/11/2021**

Mode of Travel	Cumulative number of Passengers
International airport	2490288
<b>Total</b>	<b>2490288</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 27/11/2021**

<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

*As per G.O(Rt) No.643/2021/DMD dated 18.09.2021*

**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*