



**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

- 98% of the eligible population vaccinated with a single dose of vaccine (2,61,58,413) and 79% with a double dose (2,11,74,411) till January 1.
- Kerala is the state with highest rate of Vaccination/ Million- 1325870. The state has vaccinated more than 97% of people aged more than 45 years with a single dose and 83% 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 2435 positives, 2131 persons were eligible for vaccination. 154 were vaccinated with single-dose and 1296 were fully vaccinated.**
- **681 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 25-December 31, the average active cases were 21,217 out of them an average of around 2.3% only were admitted in oxygen beds and 1.9% were in ICU. During this period there was a decrease of around 3308 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 26%, 23%, 11%, 23%, 25% and 14% 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 18,904 cases of infection only 10.7% 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 31/12/2021

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)
5247177	5179277	9852	9695	157	47794	13581	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)
2435	2704	6513	6344	169	22	219	0

Table 3. Cumulative summary as on 01/01/2022

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)
5249612	18904	5181981	109032	93190	15842	48035	13800	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
Thiruvananthapuram	481	487	3135
Kollam	155	276	371
Pathanamthitta	130	124	258
Alappuzha	107	138	254
Kottayam	153	244	2381
Idukki	57	118	924
Ernakulam	400	434	3603
Thrissur	171	161	1679
Palakkad	58	27	261
Malappuram	138	73	1294
Kozhikode	299	311	2684
Wayanad	65	101	770
Kannur	180	166	883
Kasaragod	41	44	407
Total	2435	2704	18904

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	2	7	0	9
Kollam	3	10	0	13
Pathanamthitta	2	0	0	2
Alappuzha	0	0	0	0
Kottayam	0	4	0	4
Idukki	3	0	0	3
Ernakulam	6	0	0	6
Thrissur	3	102	0	105
Palakkad	1	8	0	9
Malappuram	0	1	0	1
Kozhikode	1	71	0	72
Wayanad	0	0	0	0
Kannur	0	0	0	0
Kasaragod	1	16	0	17
Total	22	219	0	241

- 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>5249113</i>
Cases with history of International/Interstate travel	<i>63599</i>
Cases with history of contact	<i>5185514</i>

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

Total cases	<i>2435</i>
Cases with history of International/Interstate travel	<i>38</i>
Cases with history of contact	<i>2263</i>
Cases with no history of travel or contact	<i>134</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	Saradaamma	Chemmaruthy	88	Female	28-12-2021
2	Thiruvananthapuram	Sosamma	Aryankode	51	Female	31-12-2021
3	Kollam	Kuttappan	Chadayamangalam	63	Male	31-12-2021
4	Kollam	Samma Yohannan	Elampalloor	87	Female	28-12-2021
5	Kollam	Sheriff Hussain	Kottarakkara	72	Male	27-12-2021
6	Pathanamthitta	Kutti Velayudhan	Thiruvalla	89	Female	31-12-2021
7	Pathanamthitta	Samma Thomas	Puramattam	68	Female	26-12-2021
8	Idukki	Gopalan Elavan	Idukki-Kanjikuzhy	93	Male	27-12-2021
9	Idukki	Philip	Vathikudy	87	Male	22-12-2021
10	Idukki	Saidu K M	Adimali	80	Male	22-12-2021
11	Ernakulam	Chandrika	Kochi	69	Female	23-12-2021
12	Ernakulam	Hayaruniza	Kochi	50	Female	27-12-2021
13	Ernakulam	Jose Paul	Kothamangalam	53	Male	22-12-2021
14	Ernakulam	Jose V D	Karukutty	71	Male	28-12-2021
15	Ernakulam	Rajappan	Perumbavoor	59	Male	27-12-2021
16	Ernakulam	Sosamma Poulose	Nedumbassery	72	Female	23-12-2021
17	Thrissur	Chathan	Meloor	89	Male	30-07-2021

18	Thrissur	Sulojana	Velur	65	Female	29-12-2021
19	Thrissur	Sunil Kumar	Thiruvilwamala	48	Male	29-12-2021
20	Palakkad	Kalyani	Ambalapara	80	Female	31-12-2021
21	Kozhikode	Goerge	Koodaranhi	75	Male	25-12-2021
22	Kasaragod	Raghavan	West Eleri	56	Male	23-12-2021

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

Table 9. Summary of critical patients

Patients in ICUs	449
Patients on Ventilator support	160

**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
41545761	17640236	77321	129705	856813	118107	42462	22687431

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
48658	35379	272	787	226	186	11808

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	19849	6322	13527	31
Kollam	3980	3800	180	18
Pathanamthitta	6126	5971	155	7
Alappuzha	2730	2658	72	9
Kottayam	14044	13821	223	4
Idukki	1616	1572	44	0
Ernakulam	10586	10168	418	10
Thrissur	2854	2357	497	20
Palakkad	6491	6441	50	5
Malappuram	7917	7784	133	13
Kozhikode	14855	14676	179	23
Wayanad	6975	6930	45	7
Kannur	7078	6986	92	21
Kasaragod	3931	3704	227	1
Total	109032	93190	15842	169

Table 13. Summary of Travel surveillance 01/01/2022

Mode of Travel	Cumulative number of Passengers
International airport	2837631
Total	2837631

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. **842** 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	842
Total Psychosocial support calls made to persons in quarantine/ isolation.	73,77,648
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	9,85,816
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	91,603
Total calls to all categories of Persons	1,32,13,310

PART-V ANNEXURES

Annexure-1: List of Hotspots as on 01/01/2022

Panchayaths and Urban Wards with WIPR >10			
Sl.No	District	LSG	Ward No
1	Ernakualm	Kalloorkkadu	8, 7
2	Ernakualm	Pothanicadu	3
3	Ernakualm	Aikaranad	4
4	Ernakualm	Keerambra	10
5	Wayanad	Vythiri	8

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	Ernakulam	4	5
2	Wayanad	1	1
Total		5	6

References
1.Thiruvananthapuram: Nil
2.Kollam: Nil
3.Pathanamthitta: Nil
4.Kottayam: Nil
5.Alappuzha: Nil
6.Idukki: Nil
7.Ernakulam: 3804/2020/D2 dated 07.12.2021
8.Thirissur: Nil
9.Palakkad: Nil
10.Malappuram: Nil
11.Kozhikkode: Nil
12.Wayanad: DCWYD/2671/2021/DM5 dated 04.12.2021
13.Kannur: Nil
14.Kasaragod: Nil

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%8Dദേശങ്ങൾ%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	04872383155, 8281100729, 8086007999
Palakkad	04912533323
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*