



**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

- 98.8% of the eligible population vaccinated with a single dose of vaccine (2,64,00,210) and 80% with a double dose (2,13,76,794) till January 5.
- Kerala is the state with highest rate of Vaccination/ Million- 1338312. The state has vaccinated more than 97% of people aged more than 45 years with a single dose and 85% 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 4801 positives, 4246 persons were eligible for vaccination. 257 were vaccinated with single-dose and 2710 were fully vaccinated.**
- **1279 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 29-January 4, the average active cases were 19,596 out of them an average of around 2.3% only were admitted in oxygen beds and 2.3% were in ICU. During this period there was an increase of around 2717 new cases. The growth rate in newly declared cases increased by 16% during the same week compared to the previous week. The number of active patients, those in field hospitals, ventilator and oxygen support beds has reduced by 19%, 11%, 3% and 14% respectively in this week compared to previous week. The number of those admitted in hospitals and ICU showed a marginal increase of 1% and 4% respectively.**

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 22,910 cases of infection only 9% 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 4/1/2022

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)
5258614	5189100	7831	7651	180	48637	14330	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)
4801	1813	7157	6932	225	29	229	0

Table 3. Cumulative summary as on 05/01/2022

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)
5263415	22910	5190913	104353	102007	2346	48895	14559	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	852	486	3324
Kollam	188	25	650
Pathanamthitta	370	125	478
Alappuzha	232	67	380
Kottayam	315	50	2822
Idukki	170	39	1162
Ernakulam	1081	323	4520
Thrissur	376	62	2495
Palakkad	140	47	407
Malappuram	184	81	1431
Kozhikode	467	252	3136
Wayanad	128	61	794
Kannur	215	121	1029
Kasaragod	83	74	282
Total	4801	1813	22910

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	85	0	87
Kollam	2	0	0	2
Pathanamthitta	0	0	0	0
Alappuzha	0	35	0	35
Kottayam	0	8	0	8
Idukki	0	0	0	0
Ernakulam	4	77	0	81
Thrissur	0	0	0	0
Palakkad	4	1	0	5
Malappuram	0	0	0	0
Kozhikode	11	0	0	11
Wayanad	0	0	0	0
Kannur	6	5	0	11
Kasaragod	0	18	0	18
Total	29	229	0	258

- 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	5262916
Cases with history of International/Interstate travel	63823
Cases with history of contact	5199093

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

Total cases	4801
Cases with history of International/Interstate travel	76
Cases with history of contact	4494
Cases with no history of travel or contact	231

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Abhinav	Thiruvananthapuram	12	Male	12-11-2021
2	Thiruvananthapuram	Saraswathy C	Karakulam	69	Female	26-07-2021
3	Kollam	Jerico Francis	Mayyanad	36	Male	02-01-2022
4	Kollam	Radhamani Amma	Kottarakkara	62	Female	31-12-2021
5	Ernakulam	Leela Mohanan	Muvattupuzha	43	Female	01-01-2022
6	Ernakulam	Majeed	Kochi	64	Male	26-12-2021
7	Ernakulam	Suresh Babu C Kurup	Kochi	64	Male	21-08-2021
8	Ernakulam	T P Ganapathy	Thrippunithura	70	Male	02-12-2021
9	Palakkad	Beevijan	Palakkad	72	Female	03-01-2022
10	Palakkad	Kaladharan	Kuzhalmannam	81	Male	31-12-2021
11	Palakkad	Kochuamma	Ambalapara	95	Female	30-12-2021
12	Palakkad	Raman	Ottappalam	95	Male	04-01-2022
13	Kozhikode	Aleema	Koilandy	90	Female	31-12-2021
14	Kozhikode	Ammini Amma	Thiruvambady	83	Female	03-01-2022
15	Kozhikode	Balan M V	Kozhikode	82	Male	04-01-2022
16	Kozhikode	Devuamma	Koothali	91	Female	30-12-2021
17	Kozhikode	Kumaran	Moodadi	79	Male	27-12-2021
18	Kozhikode	Lakshmanan	Koilandy	70	Male	31-12-2021

19	Kozhikode	Narayanan	Mavoor	73	Male	31-12-2021
20	Kozhikode	Sarojini K A	Kozhikode	79	Female	22-12-2021
21	Kozhikode	Sathi	Peruvayal	66	Female	31-12-2021
22	Kozhikode	Sreedharan K	Onchiyam	84	Male	04-01-2022
23	Kozhikode	Umaimath	Mukkam	53	Female	01-01-2022
24	Kannur	Damodharan	Alakode	85	Male	03-01-2022
25	Kannur	Deepa M	Chengalayi	44	Female	31-12-2021
26	Kannur	Govindan M	Vengad	94	Male	01-01-2022
27	Kannur	K M Indira	Taliparamba	56	Female	01-01-2022
28	Kannur	Musthafa C	Azheekode	74	Male	25-11-2021
29	Kannur	Saseendran K	Panniyannur	67	Male	26-12-2021

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

Table 9. Summary of critical patients

Patients in ICUs	437
Patients on Ventilator support	145

**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
41781369	17810820	77321	130749	860536	120769	43082	22744406

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
71098	51603	305	1081	1010	157	16942

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	20039	19625	414	61
Kollam	3701	3537	164	19
Pathanamthitta	5990	5845	145	4
Alappuzha	1966	1884	82	14
Kottayam	11990	11762	228	0
Idukki	1788	1737	51	5
Ernakulam	10131	9729	402	28
Thrissur	2786	2656	130	17
Palakkad	5177	5126	51	7
Malappuram	8211	8070	141	17
Kozhikode	14937	14736	201	26
Wayanad	6473	6443	30	3
Kannur	7086	6991	95	19
Kasaragod	4078	3866	212	5
Total	104353	102007	2346	225

Table 13. Summary of Travel surveillance 05/01/2022

Mode of Travel	Cumulative number of Passengers
International airport	2846296
Total	2846296

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. **828** 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	828
Total Psychosocial support calls made to persons in quarantine/ isolation.	73,90,541
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	9,89,128
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	91,751
Total calls to all categories of Persons	1,32,29,663

PART-V ANNEXURES

Annexure-1: List of Hotspots as on 05/01/2022

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
<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	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%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	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*