



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

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**Date: 09/01/2022
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

- 99% of population above 18 years vaccinated with a single dose of vaccine (2,64,25,989) and 81% with a double dose (2,15,93,410) till January 9.
- 32% of population among 15-17 age group vaccinated with single dose of vaccine (4,80,758)
- Kerala is the state with highest rate of Vaccination/ Million- 1359139. 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 6238 positives, 5554 persons were eligible for vaccination. 329 were vaccinated with single-dose and 3531 were fully vaccinated.
- 1694 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 January 2-January 8, the average active cases were 23,655 out of them an average of around 1.9% only were admitted in oxygen beds and 1.8% were in ICU.

During this period there was an increase of around 13,378 new cases.

The growth rate in newly declared cases increased by 82% during the same week compared to the previous week. The number of active patients, number of those admitted in hospitals, field hospitals, ICU and ventilators has increased by 16%, 11%, 9%, 12% and 2% respectively in this week compared to previous week. The number of people in oxygen supported beds showed a decrease of 8%.

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 34,902 cases of infection only 6.4% 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 8/1/2022

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)
5279304	5197960	10630	10365	265	49547	15126	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)
6238	2390	10502	10241	261	30	14	0

Table 3. Cumulative summary as on 09/01/2022

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)
5285542	34902	5200350	114773	112235	2538	49591	15140	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	1507	647	5398
Kollam	312	18	1723
Pathanamthitta	286	188	824
Alappuzha	247	100	883
Kottayam	364	192	3227
Idukki	145	100	1371
Ernakulam	1066	410	7230
Thrissur	407	93	3679
Palakkad	251	44	1012
Malappuram	256	81	1993
Kozhikode	740	266	4349
Wayanad	119	43	1008
Kannur	391	170	1605
Kasaragod	147	38	600
Total	6238	2390	34902

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	3	10	0	13
Kollam	2	0	0	2
Pathanamthitta	0	0	0	0
Alappuzha	0	0	0	0
Kottayam	7	0	0	7
Idukki	0	0	0	0
Ernakulam	7	0	0	7
Thrissur	8	4	0	12
Palakkad	3	0	0	3
Malappuram	0	0	0	0
Kozhikode	0	0	0	0
Wayanad	0	0	0	0
Kannur	0	0	0	0
Kasaragod	0	0	0	0
Total	30	14	0	44

- 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>5285043</i>
Cases with history of International/Interstate travel	<i>64134</i>
Cases with history of contact	<i>5220909</i>

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

Total cases	<i>6238</i>
Cases with history of International/Interstate travel	<i>72</i>
Cases with history of contact	<i>5825</i>
Cases with no history of travel or contact	<i>341</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	Latha Mohanan	Chirayinkeezhu	54	Female	07-01-2022
2	Thiruvananthapuram	Purushothaman	Attingal	73	Male	25-12-2021
3	Thiruvananthapuram	Shajahan	Thiruvananthapuram	54	Male	23-12-2021
4	Kollam	Bhaskaran Pillai	Chadayamangalam	88	Male	07-01-2022
5	Kollam	Chandrasekharan	Kollam	69	Male	08-01-2022
6	Kottayam	Dhamodharan	Meenadom	80	Male	06-01-2022
7	Kottayam	Dominic Thomas	Mulakkulam	50	Male	05-01-2022
8	Kottayam	Lakshmikutty	Kozhuvanal	82	Female	13-10-2021
9	Kottayam	Rajan	Thalayazham	62	Male	06-01-2022
10	Kottayam	Rajan T Varghese	Panachikadu	69	Male	08-01-2022
11	Kottayam	Sr MARYKUTTY	Kanakkary	85	Female	06-01-2022
12	Kottayam	Suresh	Puthuppally	56	Male	07-01-2022
13	Ernakulam	Amina Ali	Paipra	85	Female	01-01-2022
14	Ernakulam	Ammini Kesavan	Paingottoor	78	Female	28-12-2021
15	Ernakulam	A V Paily	Kochi	86	Male	04-01-2022
16	Ernakulam	Eralil Augustine Jose	Keezhmadu	72	Male	27-12-2021
17	Ernakulam	Hussain	Muvattupuzha	67	Male	30-12-2021
18	Ernakulam	Karthikeyan V K	Kochi	81	Male	02-01-2022

19	Ernakulam	Mariyam Paili	Paingottoor	88	Female	01-01-2022
20	Thrissur	Balan	Padiyoor	64	Male	25-07-2021
21	Thrissur	C Venugopal	Thrishur	85	Male	07-01-2022
22	Thrissur	Francis	Irinjalakuda	74	Male	31-12-2021
23	Thrissur	Leena	Chowannur	64	Female	05-01-2022
24	Thrissur	P K James	Choondal	66	Male	03-01-2022
25	Thrissur	Rugumini P S	Porkulam	71	Female	04-01-2022
26	Thrissur	Safiya V A	Vadakkancherry	68	Female	07-01-2022
27	Thrissur	Vasantha	Padiyoor	61	Female	23-07-2021
28	Palakkad	Femida T A	Palakkad	24	Female	03-01-2022
29	Palakkad	Malathy V	Koduvayur	56	Female	07-01-2022
30	Palakkad	Pazhanal	Kozhinjampara	80	Female	04-01-2022

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

Table 9. Summary of critical patients

Patients in ICUs	435
Patients on Ventilator support	157

**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
42028454	17986650	77321	131755	864584	125203	43821	22805434

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
54108	39323	218	661	907	158	12841

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	25446	25074	372	50
Kollam	3914	3729	185	20
Pathanamthitta	5879	5725	154	9
Alappuzha	3849	3753	96	12
Kottayam	5799	5556	243	0
Idukki	2192	2125	67	1
Ernakulam	13036	12544	492	46
Thrissur	3254	3099	155	22
Palakkad	5141	5100	41	13
Malappuram	8744	8619	125	19
Kozhikode	16433	16204	229	29
Wayanad	8267	8238	29	4
Kannur	7878	7758	120	30
Kasaragod	4941	4711	230	6
Total	114773	112235	2538	261

Table 13. Summary of Travel surveillance 09/01/2022

Mode of Travel	Cumulative number of Passengers
International airport	2884748
Total	2884748

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 09/01/2022

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*