



**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

- 99.9% of the eligible population vaccinated with a single dose of vaccine (2,66,89,763) and 83% with a double dose (2,21,29,768) till January 20.
- 60% of population among 15-17 age group vaccinated with single dose of vaccine (9,12,449)
- Kerala is the state with highest rate of Vaccination/ Million- 1402379. The state has vaccinated more than 97% of people aged more than 45 years with a single dose and 84% 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 46,387 positives, 41,046 persons were eligible for vaccination. 2162 were vaccinated with single-dose and 29,926 were fully vaccinated.
- 8958 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 13 – January 19, the average active cases were 1,09,745 out of them an average of around 0.7% only were admitted in oxygen beds and 0.6% were in ICU. During this period there was an increase of around 1,01,578 new cases. The growth rate in newly declared cases increased by 204% during the same week compared to the previous week. The number of active patients, number of those admitted in hospitals, field hospitals, ICU, ventilator and in oxygen supported beds has increased by 201%, 70%, 126%, 48%, 14% and 64% respectively in this week compared to previous week. 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 1,99,041 cases of infection only 3% 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 19/1/2022

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)
5464457	5244206	43242	42148	1094	51160	16478	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)
46387	15388	47017	45680	1337	32	309	0

Table 3. Cumulative summary as on 20/01/2022

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)
5510844	199041	5259594	320516	313323	7193	51501	16787	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	9720	1701	48712
Kollam	3002	519	11211
Pathanamthitta	1497	492	6873
Alappuzha	1926	437	7593
Kottayam	3091	3300	12008
Idukki	1441	369	6390
Ernakulam	9605	4216	31427
Thrissur	3627	1072	19605
Palakkad	2268	476	9568
Malappuram	2259	652	9955
Kozhikode	4016	1351	19704
Wayanad	827	142	3790
Kannur	1973	317	9004
Kasaragod	1135	344	3201
Total	46387	15388	199041

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	4	4	0	8
Kollam	5	220	0	225
Pathanamthitta	3	0	0	3
Alappuzha	0	0	0	0
Kottayam	0	23	0	23
Idukki	0	0	0	0
Ernakulam	8	0	0	8
Thrissur	0	53	0	53
Palakkad	1	2	0	3
Malappuram	1	1	0	2
Kozhikode	4	0	0	4
Wayanad	0	0	0	0
Kannur	6	6	0	12
Kasaragod	0	0	0	0
Total	32	309	0	341

- 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	5510345
Cases with history of International/Interstate travel	111903
Cases with history of contact	5398442

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

Total cases	46387
Cases with history of International/Interstate travel	172
Cases with history of contact	43561
Cases with no history of travel or contact	2654

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Harikrishnan	Chirayinkeezhu	55	Male	17-12-2021
2	Thiruvananthapuram	Lali	Vakkom	54	Female	17-01-2022
3	Thiruvananthapuram	Prasannakumari	Pallichal	59	Female	19-01-2022
4	Thiruvananthapuram	Sasheendran	Thiruvananthapuram	75	Male	08-12-2021
5	Kollam	Abdul Salam	Perinad	62	Male	18-01-2022
6	Kollam	Gopalakrishnan	Thrikkovilvattom	72	Male	18-01-2022
7	Kollam	Raju R	Mynagappally	62	Male	18-01-2022
8	Kollam	Sainaba	Kulasekharapuram	59	Female	16-01-2022
9	Kollam	Sathyaseelan	Ezhukone	76	Male	18-01-2022
10	Pathanamthitta	Chinamma Abraham	Kozhanchery	73	Female	18-01-2022
11	Pathanamthitta	Mohanan Nair	Kadambanad	63	Male	18-01-2022
12	Pathanamthitta	Rev C V George	Kozhanchery	77	Male	16-01-2022
13	Ernakulam	Annama Itoop	Nedumbassery	80	Female	04-12-2021
14	Ernakulam	Chandrika K A	Cheranallur	64	Female	08-01-2022
15	Ernakulam	Krishnankutty Thevan	Paingottoor	52	Male	07-12-2021
16	Ernakulam	Merly	Kochi	56	Female	07-01-2022
17	Ernakulam	Mohammed K U	Kochi	68	Male	13-01-2022
18	Ernakulam	Mohankumar Pg	Perumbavoor	69	Male	08-11-2021
19	Ernakulam	Ramakrishnan Nair	Kothamangalam	84	Male	06-01-2022
20	Ernakulam	V Achuthan	Kochi	85	Male	17-01-2022

21	Palakkad	George Vincent	Elappully	49	Male	10-11-2021
22	Malappuram	Mr Beeran M	Othukkungal	65	Male	26-06-2021
23	Kozhikode	Janaki Amma	Kozhikode	92	Female	17-01-2022
24	Kozhikode	K P Abdulla Haji	Onchiyam	94	Male	13-01-2022
25	Kozhikode	Mr Muhammed K	Kunnamangalam	61	Male	16-01-2022
26	Kozhikode	Radha T	Nadapuram	78	Female	16-01-2022
27	Kannur	Chandran K	Kannur	68	Male	16-01-2022
28	Kannur	Geetha	Chirakkal	62	Female	17-01-2022
29	Kannur	Hamza C	Kankole- Alapadamba	63	Male	15-01-2022
30	Kannur	Mathew	Aralam	91	Male	16-01-2022
31	Kannur	Muhammed K	Chembilode	0	Male	12-01-2022
32	Kannur	Sairaj	Eranholi	60	Male	16-01-2022

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

Table 9. Summary of critical patients

Patients in ICUs	838
Patients on Ventilator support	204

**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
42829322	18491315	77321	134236	875068	133821	45873	23078002

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
115357	72509	197	961	610	247	40833

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	89737	88271	1466	255
Kollam	17172	16796	376	66
Pathanamthitta	10369	9891	478	23
Alappuzha	13981	13797	184	28
Kottayam	28797	28194	603	0
Idukki	6444	6372	72	11
Ernakulam	37899	36515	1384	397
Thrissur	23703	23089	614	200
Palakkad	13294	13012	282	54
Malappuram	14448	14175	273	62
Kozhikode	22579	21927	652	90
Wayanad	16120	15978	142	43
Kannur	16693	16378	315	85
Kasaragod	9280	8928	352	23
Total	320516	313323	7193	1337

Table 13. Summary of Travel surveillance 20/01/2022

Mode of Travel	Cumulative number of Passengers
International airport	2979385
Total	2979385

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. **810** 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	810
Total Psychosocial support calls made to persons in quarantine/ isolation.	74,81,747
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	9,97,593
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	92,240
Total calls to all categories of Persons	1,33,29,823

PART-V ANNEXURES

Annexure-1: List of Hotspots as on 20/01/2022

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%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*