



**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

- 100% of the eligible population vaccinated with a single dose of vaccine (2,67,14,161) and 83% with a double dose (2,21,78,754) till January 21.
- 63% of population among 15-17 age group vaccinated with single dose of vaccine (9,59,962)
- Kerala is the state with highest rate of Vaccination/ Million- 1406893. 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 41,668 positives, 36,470 persons were eligible for vaccination. 1994 were vaccinated with single-dose and 25,142 were fully vaccinated.
- 9334 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 14 – January 20, the average active cases were 1,28,961 out of them an average of around 0.7% only were admitted in oxygen beds and 0.5% were in ICU. During this period there was an increase of around 1,25,678 new cases. The growth rate in newly declared cases increased by 206% 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%, 80%, 126%, 56%, 18% and 77% 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 2,23,548 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 20/1/2022

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)
5510844	199041	47017	45680	1337	51501	16787	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)
41668	17053	63555	62416	1139	33	73	0

Table 3. Cumulative summary as on 21/01/2022

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)
5552512	223548	5276647	355438	347666	7772	51607	16860	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	7896	2318	54280
Kollam	2660	1259	12612
Pathanamthitta	1708	870	7707
Alappuzha	1798	585	8805
Kottayam	3182	966	14177
Idukki	1354	317	7427
Ernakulam	7339	4888	33873
Thrissur	3667	1432	21837
Palakkad	2345	551	11344
Malappuram	2148	796	11303
Kozhikode	4143	2434	21413
Wayanad	850	89	4551
Kannur	2015	440	10569
Kasaragod	563	108	3650
Total	41668	17053	223548

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	5	5	0	10
Kollam	0	0	0	0
Pathanamthitta	4	0	0	4
Alappuzha	0	1	0	1
Kottayam	12	34	0	46
Idukki	0	0	0	0
Ernakulam	5	0	0	5
Thrissur	3	0	0	3
Palakkad	1	16	0	17
Malappuram	1	3	0	4
Kozhikode	0	0	0	0
Wayanad	0	0	0	0
Kannur	0	10	0	10
Kasaragod	2	4	0	6
Total	33	73	0	106

- 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	5552013
Cases with history of International/Interstate travel	65827
Cases with history of contact	5486186

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

Total cases	41668
Cases with history of International/Interstate travel	139
Cases with history of contact	37061
Cases with no history of travel or contact	4468

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Palaniyandi	Thiruvananthapuram	72	Male	01-01-2022
2	Thiruvananthapuram	Santhamma G	Thiruvananthapuram	74	Female	20-01-2022
3	Thiruvananthapuram	Sasidharan Nair	Pothencode	87	Male	20-01-2022
4	Thiruvananthapuram	Sivaprasad V S	Thiruvananthapuram	26	Male	11-01-2022
5	Thiruvananthapuram	Sreekandan Nair	Perumkadavila	69	Male	16-01-2022
6	Pathanamthitta	K Thomas	Earathu	65	Male	20-01-2022
7	Pathanamthitta	Kutty	Kodumon	85	Female	18-01-2022
8	Pathanamthitta	Rev C J Das	Mallappally	93	Male	19-01-2022
9	Pathanamthitta	Skariah N A	Ranni Pazhavangady	73	Male	16-01-2022
10	Kottayam	C J Roy	Puthuppally	86	Male	17-01-2022
11	Kottayam	Jose Mathew	Veliyannoor	62	Male	13-01-2022
12	Kottayam	Kamludheen	Erattupetta	76	Male	16-01-2022
13	Kottayam	Mariamamma Joseph	Kottayam	76	Female	19-01-2022
14	Kottayam	Mariyamma Domanic	Chirakkadavu	79	Female	18-01-2022
15	Kottayam	M K Sasi	Mulakkulam	65	Male	19-01-2022
16	Kottayam	M V Cherian	Velloor	85	Male	18-01-2022
17	Kottayam	Padmanabhan	Thiruvarppu	80	Male	18-01-2022
18	Kottayam	Rajeev Pillai	Mutholy	36	Male	16-01-2022
19	Kottayam	Sasi Mn	Kaduthuruthy	67	Male	20-01-2022
20	Kottayam	T V John	Chirakkadavu	92	Male	17-01-2022
21	Kottayam	Xavier Sebastian	Erumely	67	Male	20-01-2022

22	Ernakulam	Ajitha P P	Edathala	55	Female	19-01-2022
23	Ernakulam	Gopakumar	Kanjoor	48	Male	27-11-2021
24	Ernakulam	K R Govindan Nair	Thuravoor	89	Male	26-10-2021
25	Ernakulam	Manu Unnikrishnan	Varapetty	36	Male	15-01-2022
26	Ernakulam	Velayudhan K	Choorikkara	64	Male	13-11-2021
27	Thrissur	Ammu	Kaipamangalam	77	Female	18-01-2022
28	Thrissur	Lakshmi Kutty	Thrishur	71	Female	18-01-2022
29	Thrissur	Rosily K J	Pananchery	64	Female	17-01-2022
30	Palakkad	Chami	Vadavannur	67	Male	18-01-2022
31	Malappuram	Vijayakumar	Pulamanhole	73	Male	18-01-2022
32	Kasaragod	Krishna Marar	Kanhangad	87	Male	18-01-2022
33	Kasaragod	Mariyamma	Paivalike	65	Female	20-01-2022

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

Table 9. Summary of critical patients

Patients in ICUs	919
Patients on Ventilator support	210

**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
42924540	18545626	77321	134442	875901	134414	46008	23117142

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
95218	54311	206	833	593	135	39140

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	93388	91741	1647	254
Kollam	22421	22045	376	
Pathanamthitta	11298	10768	530	47
Alappuzha	16176	15945	231	53
Kottayam	30404	29821	583	0
Idukki	7665	7589	76	10
Ernakulam	45697	44279	1418	113
Thrissur	26957	26278	679	174
Palakkad	14537	14187	350	80
Malappuram	17168	16866	302	76
Kozhikode	22962	22229	733	107
Wayanad	17908	17749	159	46
Kannur	19043	18663	380	159
Kasaragod	9814	9506	308	20
Total	355438	347666	7772	1139

Table 13. Summary of Travel surveillance 21/01/2022

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. **867** 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	867
Total Psychosocial support calls made to persons in quarantine/ isolation.	75,16,958
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	9,98,805
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	92,372
Total calls to all categories of Persons	1,33,66,378

PART-V ANNEXURES

Annexure-1: 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-2: 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-3: 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*