



**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.

GENERAL GUIDELINES

- Maintain SMS (Social Distancing, Mask and Sanitize) and remain in ventilated environment
- Protect the elderly and the vulnerable- Observe reverse quarantine
- COVID-19 vaccines protect people from getting infected and becoming severely ill and significantly reduce the likelihood of hospitalization and death.
- All those eligible for COVID vaccination should take the appropriate dose of the vaccine without delay
- Come forward for vaccination for the age group of 15-17 years .
- Additional precautionary dose is available for those who have taken 2 doses and completed nine months since 2nd dose for >60 yrs, Health Care Workers, and people with comorbidities.
- Non-vaccinated people with comorbidities have higher chances of severe illness and death. Hence people with comorbidities should receive vaccination and always follow COVID appropriate behaviour. Avoid social gathering. Remain in reverse quarantine to the extend possible.
- Antigen testing should be resorted for emergency purposes. Non vaccinated people with comorbidities in case of developing symptoms should preferably do RTPCR testing and consult a doctor.

Home Isolation Mandates

- Over the past two years, it has been seen globally that majority of cases of COVID-19 are either asymptomatic or have very mild symptoms. Such patients usually recover with minimal interventions and accordingly can be managed at home under proper medical guidance and monitoring
- A caregiver (ideally someone who has completed his COVID-19 vaccination schedule) should be available to provide care on a 24 x7 basis to Covid Positive Patients under Home Isolation. A communication link between the caregiver and a Medical Officer is a prerequisite for the entire duration of home isolation.
- The patient must isolate himself from other household members, stay in the identified room and be away from other people at home, especially the elderly and those with co-morbid conditions like hypertension, cardiovascular disease and renal diseases. The room selected for isolation should preferably be a well-ventilated room with cross ventilation, and windows should be kept open to allow fresh air
- People with co-morbidities once detected with covid infection should visit Health institution.

When to seek medical attention?

- Immediate medical attention must be sought if severe signs or symptoms develop. These could include. Unresolved High-grade fever (more than 100° F for more than three days) ii. Difficulty in breathing, iii. Dip in oxygen saturation ($SpO_2 \leq 93\%$ on room air at least three readings within 1 hour) or respiratory rate $>24/$ min iv. Persistent pain/pressure in the chest, v. Mental confusion or inability to arouse, vi. Severe fatigue and myalgia

Covid 19 status- Analytical Note

- Kerala is the state with the highest rate of vaccination- 1475662 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,69,06,727) and 86% with a double dose (2,30,93,268) till March 04. 77% of the 15-17 age group vaccinated with a single dose of vaccine (11,87,075) and 36% with a double dose (5,53,489). The state has vaccinated more than 97% of people aged over 45 years with a single dose and 86% with a double dose.
- During February 25 – March 3, the average active cases were 27,478 out of them, an average of 1.7% only were admitted in oxygen beds, and 1.3% were in ICU.
- Out of the total 17,105 cases, only 8.8% of the active cases are admitted either in hospital/Field hospitals. [Non-KASP hospital occupancy too included]

PART- 1 SUMMARY OF COVID CASES AND DEATH

Table 1. Summary of COVID-19 cases till 03/03/2022

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 cases filed G.O.(Rt) No.2110/2021/H&FWD
6506655	6421042	3421	3197	224	65758	26550

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 in Last 24 Hrs	Deaths declared in the last 24 hrs but of previous days because of late receiving of documents	No of deaths declared as per appeal G.O.(Rt) No.2110/2021/H&FWD (Appeal Cases Filed)
2190	3878	3400	3186	214	3	72	179

Table 3. Cumulative summary as on 04/03/2022

Total Positive cases	Active cases	Total Recovered	Total persons in Quarantine/ Isolation	Persons in Home/Insti tution quarantine	Persons in Hospital Isolation	Total No of Deaths	Total No of deaths declared as per appeal cases filed G.O.(Rt) No.2110/2021/H&FWD
6508845	17105	6424920	80152	78730	1422	66012	26729

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	366	633	2399
Kollam	165	197	1365
Pathanamthitta	118	203	786
Alappuzha	87	211	878
Kottayam	209	434	1709
Idukki	125	270	1406
Ernakulam	405	632	3027
Thrissur	166	249	1443
Palakkad	87	193	159
Malappuram	109	261	900
Kozhikode	166	260	1331
Wayanad	77	134	783
Kannur	94	153	698
Kasaragod	16	48	221
Total	2190	3878	17105

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&FWD Dated 29 September (B)	Death Cases approved today (A+B)
Thiruvananthapuram	12	10	22
Kollam	2	0	2
Pathanamthitta	5	0	5
Alappuzha	3	0	3
Kottayam	5	0	5
Idukki	1	6	7
Ernakulam	14	73	87
Thrissur	9	51	60
Palakkad	4	4	8
Malappuram	13	10	23
Kozhikode	3	15	18
Wayanad	0	0	0
Kannur	4	10	14
Kasaragod	0	0	0
Total	75	179	254

- 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	6508346
Cases with history of International/Interstate travel	74815
Cases with history of contact	6433531

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

Total cases	2190
Cases with history of International/Interstate travel	9
Cases with history of contact	2061
Cases with no history of travel or contact	120

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Abhilash	Thiruvananthapuram	45	Male	17-02-2022
2	Thiruvananthapuram	Amina Beevi A	Manamboor	84	Female	26-02-2022
3	Thiruvananthapuram	Baby Of Chyan Krishna	Maranallur	0	Male	06-02-2022
4	Thiruvananthapuram	D Sumathy	Karakulam	51	Female	30-10-2021
5	Thiruvananthapuram	Heera Mohan	Thiruvananthapuram	61	Female	10-02-2022
6	Thiruvananthapuram	Karthi	Vilavoorkal	85	Female	02-03-2022
7	Thiruvananthapuram	M M Elias	Thiruvananthapuram	83	Male	20-02-2022
8	Thiruvananthapuram	N Prabhakaran	Karakulam	71	Male	18-02-2022
9	Thiruvananthapuram	Sakunthala	Thiruvananthapuram	84	Female	22-02-2022
10	Thiruvananthapuram	Satheesh Kumar	Thiruvananthapuram	49	Male	18-02-2022
11	Thiruvananthapuram	Subaida Beevi	Madavoor	79	Female	01-03-2022
12	Thiruvananthapuram	Subhadramma	Aryanad	79	Female	01-03-2022
13	Kollam	Bhaskaran Achari	Kollam	67	Male	16-02-2022
14	Kollam	Saraswathy	Kadakkal	71	Female	15-02-2022
15	Pathanamthitta	John P M	Thottappuzhassery	84	Male	02-03-2022
16	Pathanamthitta	Kurian Mathai	Anikkadu	91	Male	01-02-2022
17	Pathanamthitta	Mariamamma George	Anikkadu	90	Female	04-02-2022
18	Pathanamthitta	Saradhamma	Pallickal	84	Female	27-02-2022
19	Pathanamthitta	Varghese Mammen	Pathanamthitta	61	Male	28-02-2022
20	Alappuzha	Graceamma Cheriyan	Cheppad	69	Female	02-03-2022
21	Alappuzha	N Gopinathan	Mavelikkara	77	Male	03-03-2022
22	Alappuzha	Ramachandran Pillai	Aroor	83	Male	06-02-2022

23	Kottayam	Bhavani	Pampady	65	Female	22-02-2022
24	Kottayam	Omana	Chempu	55	Female	26-02-2022
25	Kottayam	P A Varghese	Madappally	86	Male	13-02-2022
26	Kottayam	Subrahmanyam	Marangattupally	72	Male	22-02-2022
27	Kottayam	Thankachan	Karoor	54	Male	30-01-2022
28	Idukki	Syamala Babu	Konnathady	46	Female	25-02-2022
29	Ernakulam	Alikutty K A	Nellikuzhy	78	Male	17-09-2021
30	Ernakulam	C V Paily	Mazhuvannur	70	Male	17-02-2022
31	Ernakulam	Jayakrishnan C H	Maradu	46	Male	17-02-2022
32	Ernakulam	Jayamma Sebastian	Elamkunnappuzha	59	Female	01-03-2022
33	Ernakulam	Khadeeja	Paipra	75	Female	08-02-2022
34	Ernakulam	Mathew Joseph	Elanji	92	Male	22-02-2022
35	Ernakulam	M M Baby	Mazhuvannur	56	Male	09-12-2021
36	Ernakulam	Nabeeza	Kalamassery	81	Female	01-03-2022
37	Ernakulam	Narayana Padmanabha Bhat	Kochi	81	Male	31-01-2022
38	Ernakulam	Ouseph Ulahanan	Nellikuzhy	92	Male	31-01-2022
39	Ernakulam	P M Salim	Maradu	60	Male	08-11-2021
40	Ernakulam	Pookoya Thangal	Nellikuzhy	64	Male	04-02-2022
41	Ernakulam	Shankaran N S	Nellikuzhy	75	Male	09-02-2022
42	Ernakulam	Sudhan	Thirumaradi	55	Male	19-02-2022
43	Thrissur	Hamsa	Kaipamangalam	78	Male	26-02-2022
44	Thrissur	Joshi	Cherpu	50	Male	25-02-2022
45	Thrissur	Laila	Cherpu	57	Female	27-02-2022
46	Thrissur	Madhavi Kutty Pisharasyar	Thrishur	90	Female	01-02-2022
47	Thrissur	Remaniamma	Kodungallur	80	Female	22-02-2022
48	Thrissur	Suseela Menon	Kadavallloor	86	Female	28-02-2022
49	Thrissur	Unnikrishnan	Thrishur	82	Male	01-03-2022
50	Thrissur	Varuthutty	Mala	78	Male	25-02-2022
51	Thrissur	Vinodini Vasudevan	Vadanappilly	79	Female	27-02-2022
52	Palakkad	Chandran	Kannadi	75	Male	27-02-2022
53	Palakkad	Haneefa A	Thachampara	62	Male	04-03-2022
54	Palakkad	Jaffar Ali	Lekkidi-Perur	65	Male	02-03-2022
55	Palakkad	Janaki S Menon	Pookkottukavu	72	Female	26-02-2022
56	Malappuram	Alavi	Thennela	65	Male	31-01-2022
57	Malappuram	Beepathu	Kondotty	75	Female	28-02-2022
58	Malappuram	Chandran	Ponnani	67	Male	02-03-2022
59	Malappuram	Devaki	Areacode	61	Female	03-03-2022
60	Malappuram	Kumar		50	Male	26-02-2022
61	Malappuram	Kunjimammed N K	Koottilangadi	69	Male	08-02-2022
62	Malappuram	Latheef	Malappuram	72	Male	31-01-2022

63	Malappuram	Muhammed	Alamkode	78	Male	05-10-2021
64	Malappuram	Ravi	Edappal	54	Male	01-03-2022
65	Malappuram	Sreedevi	Edarikkode	85	Female	27-02-2022
66	Malappuram	Subash	Moorkanad	40	Male	24-02-2022
67	Malappuram	Sulaiman	Moorkanad	62	Male	14-02-2022
68	Malappuram	Yasodha	Malappuram	75	Female	02-03-2022
69	Kozhikode	Chekkotty	Velom	80	Male	17-02-2022
70	Kozhikode	Chekkutty Haji	Thikkodi	81	Male	02-03-2022
71	Kozhikode	Venu Gopal	Vadakara	69	Male	23-02-2022
72	Kannur	Abdulla Kunhi	Kannur	86	Male	01-02-2022
73	Kannur	Babu	Kannur	82	Male	06-02-2022
74	Kannur	Narayani C	Ezhome	68	Female	16-02-2022
75	Kannur	Radha M K	Kannur	79	Female	22-02-2022

*Deaths in last 24 hours : 3

*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 72

*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 179

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

Table 9. Summary of critical patients

Patients in ICUs	313
Patients on Ventilator support	104

**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
46125111	20372431	77321	141296	903081	201509	53829	24375644

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
32497	16803	94	445	48	60	15047

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	7648	7524	124	20
Kollam	4198	4097	101	17
Pathanamthitta	26184	26097	87	85
Alappuzha	1081	1044	37	9
Kottayam	9746	9573	173	0
Idukki	3479	3414	65	6
Ernakulam	4845	4648	197	12
Thrissur	5788	5718	70	16
Palakkad	8480	8430	50	8
Malappuram	2451	2394	57	3
Kozhikode	2938	2789	149	10
Wayanad	706	663	43	7
Kannur	1098	989	109	12
Kasaragod	1510	1350	160	9
Total	80152	78730	1422	214

Table 13. Summary of Travel surveillance 04/03/2022

Mode of Travel	Cumulative number of Passengers
International airport	3253598
Total	3253598

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. **1049** 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	1049
Total Psychosocial support calls made to persons in quarantine/ isolation.	80,53,501
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	10,10,657
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	95,255
Total calls to all categories of Persons	1,39,17,656

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://aogyakeralam.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*