



**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- 1469378 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,68,93,920) and 86% with a double dose (2,29,89,507) till February 24. 77% of the 15-17 age group vaccinated with a single dose of vaccine (11,75,010) and 29% with a double dose (4,50,279). The state has vaccinated more than 97% of people aged over 45 years with a single dose and 85% with a double dose.
- During February 17 – February 23, the average active cases were 69,460 out of them, an average of 1.6% only were admitted in oxygen beds, and 1.2% were in ICU.
- Out of the total 41,675 cases, only 6.7% 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 23/2/2022

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
6483773	6371030	7292	6849	443	64591	25779

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)
4064	9531	6510	6119	391	15	37	160

Table 3. Cumulative summary as on 24/02/2022

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
6487837	41675	6380561	127341	124493	2848	64803	25939

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	543	821	4853
Kollam	348	120	2633
Pathanamthitta	195	550	1801
Alappuzha	229	646	2555
Kottayam	399	1562	4118
Idukki	220	414	3509
Ernakulam	553	2078	7130
Thrissur	315	912	3871
Palakkad	198	428	1429
Malappuram	270	471	2657
Kozhikode	425	602	3602
Wayanad	135	490	1944
Kannur	174	357	1014
Kasaragod	60	80	559
Total	4064	9531	41675

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	4	10	14
Kollam	8	0	8
Pathanamthitta	2	0	2
Alappuzha	0	3	3
Kottayam	4	0	4
Idukki	8	8	16
Ernakulam	4	52	56
Thrissur	4	40	44
Palakkad	8	18	26
Malappuram	0	2	2
Kozhikode	4	21	25
Wayanad	1	0	1
Kannur	5	6	11
Kasaragod	0	0	0
Total	52	160	212

- 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	6487338
Cases with history of International/Interstate travel	74736
Cases with history of contact	6412602

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

Total cases	4064
Cases with history of International/Interstate travel	9
Cases with history of contact	3893
Cases with no history of travel or contact	162

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Bhasura Das	Thiruvananthapuram	65	Male	21-02-2022
2	Thiruvananthapuram	Naveen	Neyyattinkara	19	Male	23-02-2022
3	Thiruvananthapuram	Sathyaseelan	Karavaram	78	Male	12-02-2022
4	Thiruvananthapuram	Vijaya Kumar	Thiruvananthapuram	70	Male	23-02-2022
5	Kollam	Ayyappan Chettiyar	Kollam	73	Male	16-02-2022
6	Kollam	J Sasidharan Nair	Chithara	77	Male	22-02-2022
7	Kollam	Satheesan L	Kadakkal	60	Male	15-02-2022
8	Kollam	Shahul Hameed	Kalluvathukkal	80	Male	21-02-2022
9	Kollam	Sreedevi Amma	Thrikkaruva	68	Female	23-02-2022
10	Kollam	Thomas Joshwa	Karavallur	62	Male	23-02-2022
11	Kollam	Valsala	Kollam	61	Female	22-02-2022
12	Kollam	Vijayasekhar	Kollam	63	Male	22-02-2022
13	Pathanamthitta	P S Yohannan	Kadambanad	72	Male	23-02-2022
14	Pathanamthitta	Rajan C R	Kulanada	63	Male	22-02-2022
15	Kottayam	Gopalakrishnan	Pala	58	Male	22-02-2022
16	Kottayam	Issac Chacko	Kanakkary	80	Male	23-02-2022
17	Kottayam	Purushan	Kumarakom	74	Male	21-02-2022
18	Kottayam	Rajeev Babu	T V Puram	66	Male	23-02-2022
19	Idukki	Bhavani	Rajakumary	88	Female	20-02-2022
20	Idukki	Chinnamma	Konnathady	57	Female	20-02-2022
21	Idukki	Gopi	Udumbanchola	61	Male	22-02-2022

22	Idukki	Joseph Devassia	Devikulam	71	Male	20-10-2021
23	Idukki	Ramakrishnan	Vazhathope	71	Male	20-02-2022
24	Idukki	Scaria Mathew	Rajakkad	82	Male	19-02-2022
25	Idukki	Shyamala	Udumbannoor	60	Female	20-02-2022
26	Idukki	Varghese Chacko	Pampadumpara	74	Male	20-02-2022
27	Ernakulam	Hari Mk	Pallippuram	76	Male	22-02-2022
28	Ernakulam	Joseph P J	Thuravoor	79	Male	21-02-2022
29	Ernakulam	Mathi Augusthy	Kothattukulam	96	Male	22-02-2022
30	Ernakulam	V M Venukuttan	Aluva	62	Male	09-02-2022
31	Thrissur	Krishnan Kutty Ca	Punnayoorkulam	73	Male	22-02-2022
32	Thrissur	Mathew William	Thrishur	80	Male	23-02-2022
33	Thrissur	Thambi C K	Kunnamkulam	66	Male	22-02-2022
34	Thrissur	Unnikrishnan T P	Kunnamkulam	52	Male	22-02-2022
35	Palakkad	Aboobacker	Ambalapara	67	Male	22-02-2022
36	Palakkad	Chinnaswami	Elappully	72	Male	23-02-2022
37	Palakkad	Gopalakrishnan	Ambalapara	60	Male	23-02-2022
38	Palakkad	Kuttan	Tarur	80	Male	23-02-2022
39	Palakkad	Mani	Marutha Road	66	Male	22-02-2022
40	Palakkad	Radhakrishnan	Sreekrishnapuram	44	Male	22-02-2022
41	Palakkad	Sainaba	Thiruvegappura	65	Female	22-02-2022
42	Palakkad	Suseela C	Elappully	65	Female	23-02-2022
43	Kozhikode	George	Koorachundu	82	Male	29-01-2022
44	Kozhikode	Krishnan	Faroke	82	Male	23-02-2022
45	Kozhikode	Sankaran	Moodadi	93	Male	18-02-2022
46	Kozhikode	Venugopal	Vadakara	78	Male	23-02-2022
47	Wayanad	Oswald	Pozhuthana	73	Male	23-02-2022
48	Kannur	Aravindakshan	Thalassery	72	Male	09-02-2022
49	Kannur	Chandran	Kunnothuparamba	56	Male	22-02-2022
50	Kannur	Karunan	Panoor	72	Male	20-02-2022
51	Kannur	Mari Joseph	Eramam- Kuttoor	0	Female	10-02-2022
52	Kannur	Ramachandran	Chirakkal	75	Male	10-02-2022

*Deaths in last 24 hours : 15

*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 37

*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 160

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

Table 9. Summary of critical patients

Patients in ICUs	538
Patients on Ventilator support	154

**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
45829251	20203496	77321	140417	898950	201098	53100	24254869

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
51974	29264	137	642	4131	86	17714

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	11725	11394	331	26
Kollam	12271	12087	184	31
Pathanamthitta	26882	26708	174	171
Alappuzha	3079	2997	82	9
Kottayam	11372	11069	303	0
Idukki	5498	5386	112	8
Ernakulam	11161	10750	411	38
Thrissur	9283	9102	181	29
Palakkad	17038	16933	105	9
Malappuram	5738	5589	149	9
Kozhikode	5547	5249	298	12
Wayanad	1810	1782	28	18
Kannur	2448	2174	274	21
Kasaragod	3489	3273	216	10
Total	127341	124493	2848	391

Table 13. Summary of Travel surveillance 24/02/2022

Mode of Travel	Cumulative number of Passengers
International airport	3208644
Total	3208644

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://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*