



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

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Date: 21/02/2022

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.

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- 1464090 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,68,86,791) and 86% with a double dose (2,29,32,778) till February 21. 76% of the 15-17 age group vaccinated with a single dose of vaccine (11,66,170 and 25% with a double dose (3,78,254). 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 14 – February 20, the average active cases were 1,01,192 out of them, an average of 1.1% only were admitted in oxygen beds, and 0.6% were in ICU.
- Out of the total 58,932 cases, only 6.2% 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 20/2/2022

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
6468990	6338031	9558	9007	551	64145	25578

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)
4069	11026	7696	7196	500	11	76	41

Table 3. Cumulative summary as on 21/02/2022

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
6473059	58932	6349057	157090	153490	3600	64273	25619

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	531	1063	7869
Kollam	410	668	2181
Pathanamthitta	222	519	2271
Alappuzha	224	634	3667
Kottayam	414	1278	6208
Idukki	186	838	4359
Ernakulam	647	1555	11880
Thrissur	333	1112	5321
Palakkad	151	459	2161
Malappuram	222	894	3508
Kozhikode	353	825	4720
Wayanad	104	461	2346
Kannur	179	562	1778
Kasaragod	93	158	663
Total	4069	11026	58932

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	10	0	10
Kollam	6	0	6
Pathanamthitta	4	0	4
Alappuzha	6	0	6
Kottayam	2	0	2
Idukki	10	0	10
Ernakulam	17	0	17
Thrissur	2	0	2
Palakkad	3	10	13
Malappuram	16	31	47
Kozhikode	2	0	2
Wayanad	2	0	2
Kannur	5	0	5
Kasaragod	2	0	2
Total	87	41	128

- 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	6472560
Cases with history of International/Interstate travel	74692
Cases with history of contact	6397868

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

Total cases	4069
Cases with history of International/Interstate travel	18
Cases with history of contact	3807
Cases with no history of travel or contact	244

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	John Lazar	Thiruvananthapuram	64	Male	20-02-2022
2	Thiruvananthapuram	Muhammad Yusuf A	Aryanad	90	Male	16-02-2022
3	Thiruvananthapuram	Muhammed Ali	Mudakkal	81	Male	19-02-2022
4	Thiruvananthapuram	Neelakandapilla	Venganoor	78	Male	24-01-2022
5	Thiruvananthapuram	Prabhakaran N	Karavaram	87	Male	20-02-2022
6	Thiruvananthapuram	Rajan Johny	Chirayinkeezhu	69	Male	20-02-2022
7	Thiruvananthapuram	Raselamma K	Thiruvananthapuram	85	Female	20-02-2022
8	Thiruvananthapuram	Soman Nair	Vamanapuram	67	Male	19-02-2022
9	Thiruvananthapuram	Vasantha	Thiruvananthapuram	65	Female	16-02-2022
10	Thiruvananthapuram	Vilasini	Mangalapuram	67	Female	19-02-2022
11	Kollam	Ashokan	Thekkumbhagam	68	Male	19-02-2022
12	Kollam	Divakaran	Ezhukone	76	Male	20-02-2022
13	Kollam	Radhadevi Thankachi	Kottarakkara	65	Female	17-02-2022
14	Kollam	Sivarajan	Thrikkovilvattom	85	Male	19-02-2022
15	Kollam	Sukumaran	Kollam	84	Male	19-02-2022
16	Kollam	Vilasini Amma	Mynagappally	71	Female	20-02-2022
17	Pathanamthitta	Baby Isaac	Anikkadu	92	Male	18-02-2022
18	Pathanamthitta	Bhanumathi Narayan	Kadapra	67	Female	19-02-2022
19	Pathanamthitta	Laloo Thomas	Ezhumattoor	67	Male	18-02-2022
20	Pathanamthitta	Philip Simon	Ayiroor	71	Male	16-02-2022
21	Alappuzha	Anandhamani	Thanneermukkam	75	Male	19-02-2022

22	Alappuzha	Mammen Munadakathil Babukutty	Edathua	68	Male	15-02-2022
23	Alappuzha	Prabhakaran Pillai	Thazhakkara	86	Male	14-02-2022
24	Alappuzha	Subaida Beevi	Mulakkuzha	73	Female	16-02-2022
25	Alappuzha	Ummer Kunju	Thrikkunnappuzha	35	Male	19-02-2022
26	Alappuzha	Unnikrishna Kurup	Cheriyanaad	64	Male	31-12-2021
27	Kottayam	Joseph Thomas	Kuravilangadu	87	Male	20-02-2022
28	Kottayam	Thankakutty Parayamkavil	Puthuppally	77	Female	17-02-2022
29	Idukki	Khadeeja	Thodupuzha	55	Female	08-02-2022
30	Idukki	Kuttappan	Vellathooval	80	Male	16-02-2022
31	Idukki	Laly Varghese	Purapuzha	50	Female	19-02-2022
32	Idukki	Mary Issac	Karimannoor	60	Female	14-02-2022
33	Idukki	Mathai C P	Manakkad	94	Male	16-02-2022
34	Idukki	Mini Madhusudhanan	Udumbanchola	60	Female	14-02-2022
35	Idukki	Sr Genesiusc S H	Kumaramangalam	80	Female	18-02-2022
36	Idukki	Thomas Varghese	Karunapuram	84	Male	18-02-2022
37	Idukki	T O Joseph	Karimannoor	90	Male	14-02-2022
38	Idukki	Varghese Joseph	Kokkayar	65	Male	18-02-2022
39	Ernakulam	Anthony	Puthenvelikara	89	Male	17-02-2022
40	Ernakulam	A P Varkey	Rayamangalam	57	Male	18-02-2022
41	Ernakulam	A Vijayan Nair	Aluva	86	Male	17-02-2022
42	Ernakulam	Chandramathi	Udayamperoor	78	Female	19-02-2022
43	Ernakulam	C K Sugunan	Njarakkal	57	Male	16-02-2022
44	Ernakulam	Girija	Ezhikkara	69	Female	15-02-2022
45	Ernakulam	Janaki P V	Kochi	87	Female	19-02-2022
46	Ernakulam	Joseph	Kochi	68	Male	18-02-2022
47	Ernakulam	Kousalya	Kothamangalam	78	Female	20-02-2022
48	Ernakulam	Mariakutty Varkey	Kothamangalam	98	Female	16-02-2022
49	Ernakulam	Molly	Edakkattuvayal	62	Female	16-02-2022
50	Ernakulam	Nobert Lopez	Mulavukadu	73	Male	18-02-2022
51	Ernakulam	Sarala Devi K	Kochi	84	Female	15-02-2022
52	Ernakulam	Sasi Rajendran	North Paravur	62	Male	18-02-2022
53	Ernakulam	Sivan M N	Aikkaranadu	70	Male	19-02-2022
54	Ernakulam	Sivasarma V C	Elamkunnappuzha	35	Male	17-02-2022
55	Ernakulam	Virindadevi	Kochi	85	Female	19-02-2022
56	Thrissur	Chacko	Pananchery	82	Male	20-02-2022
57	Thrissur	Karunakaran	Vallathole Nagar	72	Male	19-02-2022
58	Palakkad	Ammalu	Vadakkenchery	85	Female	21-02-2022
59	Palakkad	Kitta	Chittur-Thathamangalam	90	Male	18-02-2022
60	Palakkad	Moideenkutty	Ananganadi	63	Male	18-02-2022
61	Malappuram	Ayishummu	Ozhoor	68	Female	02-02-2022

62	Malappuram	Azmin Muhammed	Ponmala	0	Male	11-02-2022
63	Malappuram	Chandran	Chaliyar	47	Male	18-02-2022
64	Malappuram	Chekk	Edarikkode	50	Male	08-02-2022
65	Malappuram	Cheriy	Kondotty	72	Male	17-02-2022
66	Malappuram	Fathimakutty	Chelembra	88	Female	10-02-2022
67	Malappuram	Moidheen	Vattamkulam	60	Male	06-02-2022
68	Malappuram	Muhammed	Porur	85	Male	19-02-2022
69	Malappuram	Nafeesa	Karulai	69	Female	18-02-2022
70	Malappuram	Padmini Kk	Marakkara	65	Female	15-02-2022
71	Malappuram	Pathummu	Thirunavaya	80	Female	18-02-2022
72	Malappuram	Rasiya	Ponnani	62	Female	01-02-2022
73	Malappuram	Subramanian	Edakkara	61	Male	15-02-2022
74	Malappuram	Unnikrshnan	Angadippuram	69	Male	17-02-2022
75	Malappuram	Usha Parvati	Moorkanad	46	Female	04-11-2021
76	Malappuram	Yousaf	Kottakkal	68	Male	13-02-2022
77	Kozhikode	Lakshmi	Thalakkulathur	88	Female	18-02-2022
78	Kozhikode	Priyesh	Kodenchery	45	Male	28-01-2022
79	Wayanad	Koyamu K	Kalpetta	72	Male	17-02-2022
80	Wayanad	Mariyamma	Poothady	86	Female	19-02-2022
81	Kannur	Ajitha K	Peralassery	51	Female	08-02-2022
82	Kannur	Mariyumma M	Kuttiattoor	67	Female	15-02-2022
83	Kannur	Sahadevan	Thalassery	62	Male	19-02-2022
84	Kannur	Sarojini	Eruvessy	71	Female	18-02-2022
85	Kannur	Soudamini	Ancharakandy	72	Female	20-02-2022
86	Kasaragod	Raveendran	Kinanoor - Karindalam	52	Male	19-02-2022
87	Kasaragod	Ravi	Balal	75	Male	13-02-2022

*Deaths in last 24 hours : 11

*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 76

*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 41

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

Table 9. Summary of critical patients

Patients in ICUs	680
Patients on Ventilator support	192

**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
45658814	20112949	77321	139934	896866	185978	52733	24193033

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
42700	23712	128	483	2864	90	15423

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	13850	13510	340	57
Kollam	17781	17481	300	42
Pathanamthitta	27415	27187	228	223
Alappuzha	4468	4361	107	12
Kottayam	13746	13379	367	0
Idukki	7126	6965	161	14
Ernakulam	16699	16169	530	46
Thrissur	10362	10152	210	37
Palakkad	19426	19288	138	10
Malappuram	8374	8173	201	12
Kozhikode	7371	6958	413	13
Wayanad	2245	2144	101	8
Kannur	3652	3342	310	17
Kasaragod	4575	4381	194	9
Total	157090	153490	3600	500

Table 13. Summary of Travel surveillance 21/02/2022

Mode of Travel	Cumulative number of Passengers
International airport	3181009
Total	3181009

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*