



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

www.health.kerala.gov.in

www.dhs.kerala.gov.in

controlroomdhsKERALA@gmail.com

Date: 22/02/2022

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- 1466933 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,68,89,851) and 86% with a double dose (2,29,57,842) till February 22. 76% of the 15-17 age group vaccinated with a single dose of vaccine (11,68,881) and 26% with a double dose (4,05,150). 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 15 – February 21, the average active cases were 88,984 out of them, an average of 1.1% only were admitted in oxygen beds, and 0.6% were in ICU.
- Out of the total 53,597 cases, only 6.4% 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 21/2/2022

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
6473059	6349057	7696	7196	500	64273	25619

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)
5691	10896	6471	5980	491	10	81	39

Table 3. Cumulative summary as on 22/02/2022

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
6478750	53597	6359953	145465	142228	3237	64403	25658

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	615	2578	5880
Kollam	496	501	2170
Pathanamthitta	293	387	2172
Alappuzha	338	545	3447
Kottayam	655	710	6142
Idukki	301	619	4040
Ernakulam	1041	2048	10859
Thrissur	479	595	5196
Palakkad	247	376	2017
Malappuram	264	636	3119
Kozhikode	448	996	4163
Wayanad	222	204	2363
Kannur	206	514	1470
Kasaragod	86	187	559
Total	5691	10896	53597

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	8	18	26
Kollam	6	0	6
Pathanamthitta	5	0	5
Alappuzha	13	0	13
Kottayam	9	2	11
Idukki	0	1	1
Ernakulam	14	0	14
Thrissur	9	0	9
Palakkad	8	7	15
Malappuram	8	9	17
Kozhikode	9	0	9
Wayanad	1	0	1
Kannur	0	0	0
Kasaragod	1	2	3
Total	91	39	130

- 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	6478251
Cases with history of International/Interstate travel	74711
Cases with history of contact	6403540

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

Total cases	5691
Cases with history of International/Interstate travel	19
Cases with history of contact	5255
Cases with no history of travel or contact	417

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

SI no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Alexander Raj F	Thiruvananthapuram	84	Male	21-02-2022
2	Thiruvananthapuram	Chandrika	Vilavoorkal	56	Female	21-02-2022
3	Thiruvananthapuram	Hilal	Thiruvananthapuram	62	Male	16-02-2022
4	Thiruvananthapuram	Lions Claister	Ottoor	82	Male	22-02-2022
5	Thiruvananthapuram	Shahana Rajeeb	Cherunniyoor	28	Female	18-02-2022
6	Thiruvananthapuram	Sukumari Amma	Kallara	74	Female	21-02-2022
7	Thiruvananthapuram	Suvarna Kumary	Anadu	69	Female	22-02-2022
8	Thiruvananthapuram	Thankappan K	Chenkai	82	Male	19-02-2022
9	Kollam	C Mathew	Pathanapuram	82	Male	20-02-2022
10	Kollam	Gopinadhan Nair	Elampalloor	77	Male	20-02-2022
11	Kollam	Khadeeja Kutty	Thodiyoor	80	Female	10-02-2022
12	Kollam	Sadasivan M K	Kottamkara	85	Male	21-02-2022
13	Kollam	Sujina Kumari	Paravoor	31	Female	17-02-2022
14	Kollam	Syam Kumar K	Yeroor	61	Male	18-02-2022
15	Pathanamthitta	Ammini Yohannan	Thiruvalla	70	Female	19-02-2022
16	Pathanamthitta	Anney Thomas	Kozhanchery	82	Female	19-02-2022
17	Pathanamthitta	Balanpillai	Ranni	64	Male	20-02-2022
18	Pathanamthitta	Janaki	Kunnnanthanam	77	Female	17-02-2022
19	Pathanamthitta	V A Thomas	Kottanad	73	Male	19-02-2022
20	Alappuzha	Aleyamma Charlie	Thalavady	67	Female	20-02-2022
21	Alappuzha	Ammini Abraham	Pallippad	93	Female	17-02-2022
22	Alappuzha	Chellamma	Mararikkulam North	65	Female	02-10-2021

23	Alappuzha	Karuthakunju	Bharanikkavu	85	Male	20-02-2022
24	Alappuzha	Kuriyan K V	Cherthala	83	Male	03-02-2022
25	Alappuzha	Maheshan	Chettikulangara	41	Male	16-02-2022
26	Alappuzha	Mani	Karthikapally	77	Male	19-02-2022
27	Alappuzha	Maniyappan	Cherthala	75	Male	27-01-2022
28	Alappuzha	Remanan	Cherthala South	73	Male	29-01-2022
29	Alappuzha	Velappan	Thycattusery	69	Male	05-10-2021
30	Alappuzha	Vijayamma	Mavelikkara Thekkekkara	62	Female	20-02-2022
31	Alappuzha	Viswanathan V T	Venmony	67	Male	17-02-2022
32	Alappuzha	Yohannan	Bharanikkavu	95	Male	18-02-2022
33	Kottayam	Binu	Udayanapuram	44	Male	08-02-2022
34	Kottayam	Karthyayani	Kooroppada	88	Female	18-02-2022
35	Kottayam	Linet Jiji	Ramapuram	16	Female	16-02-2022
36	Kottayam	Mariyamma	Velloor	95	Female	19-02-2022
37	Kottayam	Peter P C	Kottayam	54	Male	20-02-2022
38	Kottayam	Ponnamma	Kurichy	78	Female	20-02-2022
39	Kottayam	Subhash	Manimala	51	Male	20-02-2022
40	Kottayam	Viswambharan	Arpookkara	69	Male	19-02-2022
41	Kottayam	V J Abraham	T V Puram	87	Male	17-02-2022
42	Ernakulam	Archana Jayakumar	Marady	24	Female	18-02-2022
43	Ernakulam	Augustine P D	Ayyampuzha	70	Male	19-02-2022
44	Ernakulam	Bindu Krishnakumar	Maradu	50	Female	20-02-2022
45	Ernakulam	Jessy Jiji	Kochi	53	Female	18-02-2022
46	Ernakulam	Manoj Kunjappan	Vadavucode- Puthencruz	43	Male	05-02-2022
47	Ernakulam	Mary George	Njarakkal	86	Female	20-02-2022
48	Ernakulam	M Somasekharan	Kochi	82	Male	17-02-2022
49	Ernakulam	Narayanan Kutty	Amballur	65	Male	04-02-2022
50	Ernakulam	Omana Vijayan	Maradu	54	Female	19-02-2022
51	Ernakulam	Paily Ouseph	Paipra	101	Male	08-02-2022
52	Ernakulam	Preethi T P	Kochi	43	Female	19-02-2022
53	Ernakulam	Sarojini	Chendamangalam	85	Female	14-02-2022
54	Ernakulam	Sulaiman	Kochi	90	Male	15-02-2022
55	Ernakulam	Tijo	Elamkunnappuzha	42	Male	20-02-2022
56	Thrissur	Bageerathy Amma	Nadathara	87	Female	20-02-2022
57	Thrissur	E Surendran	Cherpu	68	Male	11-02-2022
58	Thrissur	Gopalakrishnan P K	Nenmanikkara	62	Male	31-01-2022
59	Thrissur	Kalyanikutty	Nadathara	84	Female	12-02-2022
60	Thrissur	Kumaran	Vadanappilly	87	Male	17-02-2022
61	Thrissur	Kumaran	Manalur	84	Male	13-02-2022
62	Thrissur	Radha Vg	Guruvayoor	72	Female	30-01-2022

63	Thrissur	Sivaraman	Vallachira	89	Male	10-02-2022
64	Thrissur	Thomas E D	Thrikkur	58	Male	21-02-2022
65	Palakkad	Karuman	Thenkurissi	75	Male	12-02-2022
66	Palakkad	Krishnan Nair	Thiruvegappura	81	Male	18-02-2022
67	Palakkad	Padmanabhan	Ambalapara	94	Male	19-02-2022
68	Palakkad	Prajitha	Keralasseri	30	Female	14-02-2022
69	Palakkad	Ramadhasan K	Shornur	49	Male	20-02-2022
70	Palakkad	Ravi N	Muthalamada	56	Male	18-02-2022
71	Palakkad	Sundaran	Mathur	80	Male	21-02-2022
72	Palakkad	Yasoda	Shornur	82	Female	21-02-2022
73	Malappuram	Aleema	Cherukavu	65	Female	19-02-2022
74	Malappuram	Devadasan K	Vallikkunnu	69	Male	20-02-2022
75	Malappuram	Kalid	Mangalam	62	Male	19-02-2022
76	Malappuram	Kunhi Moidi	Moorkanad	68	Male	20-02-2022
77	Malappuram	Muhammed Bakkavi	Tirurangadi	73	Male	20-02-2022
78	Malappuram	Najma	Pulamanthole	35	Female	19-02-2022
79	Malappuram	Ummayya	Vettathur	69	Female	21-02-2022
80	Malappuram	Unneen	Kodur	88	Male	13-02-2022
81	Kozhikode	Amina	Ramanattukara	85	Female	19-08-2021
82	Kozhikode	Chandrasekharan Nair	Kozhikode	92	Male	19-02-2022
83	Kozhikode	Chandukutty	Ramanattukara	93	Male	29-09-2021
84	Kozhikode	Kunhamma	Thalakkulathur	81	Female	20-02-2022
85	Kozhikode	Moideen	Kadalundi	70	Male	20-02-2022
86	Kozhikode	Moideen	Unnikulam	81	Male	20-02-2022
87	Kozhikode	Sathee Devi	Cheruvannur	85	Female	19-02-2022
88	Kozhikode	Subashini N	Ramanattukara	68	Female	20-02-2022
89	Kozhikode	Sukumaran Nair A	Kozhikode	91	Male	18-02-2022
90	Wayanad	Vijayan	Ambalavayal	63	Male	20-02-2022
91	Kasaragod	Narayani	Kinanoor - Karindalam	85	Female	09-02-2022

*Deaths in last 24 hours : 10

*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 81

*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 39

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

Table 9. Summary of critical patients

Patients in ICUs	654
Patients on Ventilator support	193

**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
45715665	20144378	77321	140129	897543	187681	52862	24215751

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
56851	31429	195	677	1703	129	22718

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	12961	12668	293	40
Kollam	15300	14986	314	31
Pathanamthitta	27117	26913	204	201
Alappuzha	4006	3916	90	14
Kottayam	13148	12800	348	0
Idukki	6359	6232	127	12
Ernakulam	15043	14561	482	44
Thrissur	10082	9883	199	46
Palakkad	18419	18284	135	12
Malappuram	6941	6773	168	7
Kozhikode	6590	6246	344	20
Wayanad	2143	2103	40	22
Kannur	3229	2933	296	34
Kasaragod	4127	3930	197	8
Total	145465	142228	3237	491

Table 13. Summary of Travel surveillance 22/02/2022

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://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*