



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

[www.health.kerala.gov.in](http://www.health.kerala.gov.in)

[www.dhs.kerala.gov.in](http://www.dhs.kerala.gov.in)

[controlroomdhsKERALA@gmail.com](mailto:controlroomdhsKERALA@gmail.com)

**Date: 23/02/2022**

**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- 1467742 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,68,92,957) and 86% with a double dose (2,29,83,686) till February 23. 76% of the 15-17 age group vaccinated with a single dose of vaccine (11,73,264) and 29% with a double dose (4,40,846). 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 16 – February 22, the average active cases were 78,952 out of them, an average of 1.6% only were admitted in oxygen beds, and 1.2% were in ICU.
- Out of the total 47,354 cases, only 6.6% 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 22/2/2022**

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
6478750	6359953	6471	5980	491	64403	25658

**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)
5023	11077	7292	6849	443	13	54	121

**Table 3. Cumulative summary as on 23/02/2022**

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
6483773	47354	6371030	135857	132929	2928	64591	25779

**Table 4. District wise summary of Cumulative cases, Active cases, and New positive cases**

<b>District</b>	<b>Positive Cases declared today</b>	<b>Declared Negative today</b>	<b>Positive cases admitted in the district</b>
Thiruvananthapuram	574	1273	5145
Kollam	364	117	2413
Pathanamthitta	252	260	2158
Alappuzha	282	748	2975
Kottayam	437	1286	5285
Idukki	299	617	3719
Ernakulam	825	2923	8711
Thrissur	337	999	4512
Palakkad	225	545	1685
Malappuram	342	581	2860
Kozhikode	574	925	3804
Wayanad	230	285	2300
Kannur	188	444	1208
Kasaragod	94	74	579
<b>Total</b>	<b>5023</b>	<b>11077</b>	<b>47354</b>

**Table 5. District wise Death Cases through online and offline mode - post scrutiny status**

<b>District</b>	<b>No of Deaths reported daily (A)</b>	<b>No of deaths declared through appeal G.O.(Rt) No.2110/2021/H&amp;FWD Dated 29 September (B)</b>	<b>Death Cases approved today (A+B)</b>
Thiruvananthapuram	5	31	36
Kollam	4	0	4
Pathanamthitta	6	0	6
Alappuzha	2	4	6
Kottayam	8	0	8
Idukki	2	1	3
Ernakulam	6	44	50
Thrissur	6	16	22
Palakkad	2	10	12
Malappuram	8	12	20
Kozhikode	7	0	7
Wayanad	5	3	8
Kannur	6	0	6
Kasaragod	0	0	0
<b>Total</b>	<b>67</b>	<b>121</b>	<b>188</b>

- 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	<b>6483274</b>
Cases with history of International/Interstate travel	<b>74727</b>
Cases with history of contact	<b>6408547</b>

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

Total cases	<b>5023</b>
Cases with history of International/Interstate travel	<b>16</b>
Cases with history of contact	<b>4687</b>
Cases with no history of travel or contact	<b>320</b>

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Bhuvaneswari	Kattakada	64	Female	21-02-2022
2	Thiruvananthapuram	Neethu	Kadakkavoor	26	Female	11-02-2022
3	Thiruvananthapuram	Rajasekaran	Pallichal	71	Male	13-02-2022
4	Thiruvananthapuram	Unnikrishnan Nair	Thiruvananthapuram	63	Male	22-02-2022
5	Thiruvananthapuram	Wilson C Joseph	Thiruvananthapuram	72	Male	21-02-2022
6	Kollam	Gopalakrishnan	Thrikkovilvattom	70	Male	22-02-2022
7	Kollam	Gopalakrishna Pillai	Kollam	82	Male	21-02-2022
8	Kollam	Ramesan	Yeroor	65	Male	23-02-2022
9	Kollam	Vijayan	Oachira	75	Male	20-02-2022
10	Pathanamthitta	Ammal Mathew	Eraviperoor	87	Female	21-02-2022
11	Pathanamthitta	Bindhu	Konni	37	Female	20-02-2022
12	Pathanamthitta	Chacko Mathai	Adoor	95	Male	20-02-2022
13	Pathanamthitta	John Varkey	Kottanad	91	Male	22-10-2021
14	Pathanamthitta	Krishnanvasudevan	Thottappuzhassery	89	Male	20-02-2022
15	Pathanamthitta	Soman Pillai	Kottangal	78	Male	09-02-2022
16	Alappuzha	Achamma Cheriyan	Harippad	62	Female	19-02-2022
17	Alappuzha	Gopi T V	Chengannur	81	Male	22-02-2022
18	Kottayam	Cheriyan Mathai	Kidangoor	85	Male	18-02-2022
19	Kottayam	George K C	Kottayam	79	Male	15-02-2022
20	Kottayam	Joseph E J	Aymanam	76	Male	17-02-2022
21	Kottayam	M K Aliyar	Erattupetta	76	Male	22-02-2022
22	Kottayam	M N Susheelan	Koruthode	64	Male	19-02-2022

23	Kottayam	Prabhakaran	Bharananganam	90	Male	20-02-2022
24	Kottayam	Remani R Nair	Karukachal	63	Female	21-02-2022
25	Kottayam	Varghese V A	Kurichy	83	Male	22-02-2022
26	Idukki	Leelamma	Vandiperiyar	75	Female	12-02-2022
27	Idukki	Marykutty Geroge	Kanchiyar	71	Female	21-02-2022
28	Ernakulam	Annamma Scaria	Pampakuda	80	Female	17-02-2022
29	Ernakulam	Devassy	Thrikkakara	75	Male	17-02-2022
30	Ernakulam	Krishnakumari	Kottuvally	71	Female	20-02-2022
31	Ernakulam	Mallika	Kochi	48	Female	19-02-2022
32	Ernakulam	Sanoj P T	Valakom	51	Male	29-08-2021
33	Ernakulam	Venugopalan A K	Kumbalam	64	Male	20-02-2022
34	Thrissur	Baby George	Avinissery	85	Female	12-02-2022
35	Thrissur	Beevathu	Vellangalur	79	Female	18-02-2022
36	Thrissur	Beevi	Eriyad	85	Female	11-02-2022
37	Thrissur	Chandrashekhara M K	Avinissery	68	Male	22-02-2022
38	Thrissur	Chandrika	Avanur	75	Female	20-02-2022
39	Thrissur	Jacob K T	Irinjalakuda	68	Male	05-02-2022
40	Palakkad	Hareesh Kumar P N	Ambalapara	45	Male	22-02-2022
41	Palakkad	Muhammed Khani P H	Vadakkenchery	77	Male	22-02-2022
42	Malappuram	Abdullakutty	Veliyancode	71	Male	15-02-2022
43	Malappuram	Abdu Rahman	Pulikkal	65	Male	20-02-2022
44	Malappuram	Aysha Hamza	Vazhikkadavu	80	Female	21-02-2022
45	Malappuram	Chinnammu	Pallikkal	60	Female	23-02-2022
46	Malappuram	Fathima Kutty	Pallikkal	95	Female	15-02-2022
47	Malappuram	Jameela	Thriprangode	55	Female	20-02-2022
48	Malappuram	Kunhikoya	Moonniyur	70	Male	22-02-2022
49	Malappuram	Sainaba	Keezhattur	42	Female	21-02-2022
50	Kozhikode	Abdulla M	Thalakkulathur	73	Male	19-02-2022
51	Kozhikode	Annamma	Koorachundu	100	Female	21-02-2022
52	Kozhikode	Bhaskaran	Mukkam	66	Male	21-02-2022
53	Kozhikode	Kadeesha	Kuttiady	62	Female	21-02-2022
54	Kozhikode	Sathyapalan	Chelannur	67	Male	21-02-2022
55	Kozhikode	Usha Kumari	Perambra	51	Female	21-02-2022
56	Kozhikode	Velukutty	Thamarassery	76	Male	22-02-2022
57	Wayanad	Assainar	Kalpetta	48	Male	22-02-2022
58	Wayanad	Kariyan	Meenangadi	85	Male	15-02-2022
59	Wayanad	Manoj	Padinjarathara	45	Male	14-02-2022
60	Wayanad	Mariyamma	Sulthan Bathery	75	Female	15-02-2022
61	Wayanad	Sukumaran	Nenmeni	70	Male	19-02-2022
62	Kannur	Aysha	Koodali	85	Female	21-02-2022
63	Kannur	Kunhappan	Peringome Vayakkara	83	Male	20-02-2022

64	Kannur	Lakshmanan	Dharmadam	68	Male	20-02-2022
65	Kannur	Muralikrishnan Namboothiri	Narath	60	Male	16-02-2022
66	Kannur	Radhakrishnan	Kunnothuparamba	75	Male	20-02-2022
67	Kannur	Thomas P V	Kanichar	81	Male	21-02-2022

\*Deaths in last 24 hours : 13

\*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 54

\*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 121

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

**Table 9. Summary of critical patients**

Patients in ICUs	<b>591</b>
Patients on Ventilator support	<b>169</b>

*\*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
<b>45777277</b>	<b>20174232</b>	<b>77321</b>	<b>140280</b>	<b>898308</b>	<b>196967</b>	<b>53014</b>	<b>24237155</b>

**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
<b>61612</b>	<b>29854</b>	<b>151</b>	<b>765</b>	<b>9286</b>	<b>152</b>	<b>21404</b>



**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	12395	12125	270	34
Kollam	13545	13350	195	22
Pathanamthitta	27050	26848	202	197
Alappuzha	3481	3384	97	19
Kottayam	12532	12215	317	0
Idukki	5875	5754	121	18
Ernakulam	12812	12368	444	32
Thrissur	9869	9679	190	37
Palakkad	17092	16960	132	9
Malappuram	6438	6286	152	6
Kozhikode	6135	5840	295	20
Wayanad	2078	2045	33	20
Kannur	2668	2394	274	17
Kasaragod	3887	3681	206	12
<b>Total</b>	<b>135857</b>	<b>132929</b>	<b>2928</b>	<b>443</b>

**Table 13. Summary of Travel surveillance 23/02/2022**

Mode of Travel	Cumulative number of Passengers
International airport	3181009
<b>Total</b>	<b>3181009</b>

## 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	<b>1049</b>
Total Psychosocial support calls made to persons in quarantine/ isolation.	<b>80,53,501</b>
Total psychosocial support follow-up calls made	<b>32,12,102</b>
Total Post COVID calls	<b>11,33,087</b>
Total calls made to persons under treatment for mental illnesses, migrant labourers, differently abled children, elderly persons staying alone	<b>3,48,860</b>
Total Psychosocial support calls to school children	<b>10,10,657</b>
Total psychosocial support calls to health care workers	<b>64,194</b>
Total Psychosocial support calls received in helpline numbers	<b>95,255</b>
<b>Total calls to all categories of Persons</b>	<b>1,39,17,656</b>

## 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	<a href="https://dashboard.kerala.gov.in/">https://dashboard.kerala.gov.in/</a>
Daily Bulletin	<a href="http://dhs.kerala.gov.in/ഡയറി-ബുള്ളറ്റിന്%E2%80%8D/">http://dhs.kerala.gov.in/ഡയറി-ബുള്ളറ്റിന്%E2%80%8D/</a>
Guidelines and Advisories	<a href="http://dhs.kerala.gov.in/ജാഗ്രത-നിര്%E2%80%8Dദേശങ്ങളു%E2%80%8D/">http://dhs.kerala.gov.in/ജാഗ്രത-നിര്%E2%80%8Dദേശങ്ങളു%E2%80%8D/</a>
Awareness materials	<a href="https://www.dropbox.com/sh/l2h2n9hu737lea3/AAD43CHbedUZa_8PUY9v3m0Wa?dl=0">https://www.dropbox.com/sh/l2h2n9hu737lea3/AAD43CHbedUZa_8PUY9v3m0Wa?dl=0</a>
Posters	<a href="http://dhs.kerala.gov.in/photo-gallery/">http://dhs.kerala.gov.in/photo-gallery/</a>
COVID-19 Jagratha	<a href="https://covid19jagratha.kerala.nic.in/">https://covid19jagratha.kerala.nic.in/</a>
E Sanjeevani	<a href="https://esanjeevaniopd.in">https://esanjeevaniopd.in</a>

NHM Kerala	<a href="https://arogyakeralam.gov.in/">https://arogyakeralam.gov.in/</a>
Directorate of Health Services	<a href="https://dhs.kerala.gov.in/">https://dhs.kerala.gov.in/</a>
Directorate of Medical Education	<a href="http://www.dme.kerala.gov.in/">http://www.dme.kerala.gov.in/</a>
Department of Health and Family Welfare	<a href="https://health.kerala.gov.in/">https://health.kerala.gov.in/</a>
Training and IEC videos	<a href="https://www.youtube.com/c/keralahealthonlinetraining">https://www.youtube.com/c/keralahealthonlinetraining</a>

### 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*