



**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)

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**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- 1490347 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,69,28,869) and 87% with a double dose (2,32,80,937) till March 22. 79% of the 15-17 age group vaccinated with a single dose of vaccine (12,06,152) and 46% with a double dose (7,01,313). The state has vaccinated more than 97% of people aged over 45 years with a single dose and 86% with a double dose.
- During March 15 – March 21, the average active cases were 6651 out of them, an average of 2.5% only were admitted in oxygen beds, and 2.1% were in ICU.
- Out of the total 5353 cases, only 10.4% 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 21/03/2022**

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
6527645	6454022	527	463	64	67363	27837

**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)
702	730	717	80	637	4	9	39

**Table 3. Cumulative summary as on 22/03/2022**

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
6528347	5353	6454752	17541	16944	597	67415	27876

**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	87	138	858
Kollam	58	38	111
Pathanamthitta	50	47	159
Alappuzha	24	6	60
Kottayam	76	75	881
Idukki	64	67	537
Ernakulam	146	103	1339
Thrissur	38	39	415
Palakkad	15	20	30
Malappuram	27	21	248
Kozhikode	62	99	434
Wayanad	23	31	195
Kannur	26	44	58
Kasaragod	6	2	28
<b>Total</b>	<b>702</b>	<b>730</b>	<b>5353</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	1	5	6
Kollam	1	0	1
Pathanamthitta	0	0	0
Alappuzha	2	4	6
Kottayam	0	0	0
Idukki	0	2	2
Ernakulam	4	13	17
Thrissur	1	0	1
Palakkad	0	0	0
Malappuram	0	9	9
Kozhikode	4	0	4
Wayanad	0	0	0
Kannur	0	6	6
Kasaragod	0	0	0
<b>Total</b>	<b>13</b>	<b>39</b>	<b>52</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>6527848</b>
Cases with history of International/Interstate travel	<b>74868</b>
Cases with history of contact	<b>6452980</b>

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

Total cases	<b>702</b>
Cases with history of International/Interstate travel	<b>0</b>
Cases with history of contact	<b>671</b>
Cases with no history of travel or contact	<b>31</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	Mani N	Vakkom	77	Male	21-03-2022
2	Kollam	K Sunil	Melila	49	Male	19-03-2022
3	Alappuzha	Rajamma	Pathiyoor	62	Female	21-03-2022
4	Alappuzha	Rosamma Rajan	Veeyapuram	68	Female	19-03-2022
5	Ernakulam	Kuruvilla	Kochi	80	Male	21-03-2022
6	Ernakulam	Leelamma Paulose	Kothamangalam	71	Female	18-03-2022
7	Ernakulam	Meera Babu	Pampakuda	42	Female	15-03-2022
8	Ernakulam	T V Augustine	Eloor	58	Male	19-03-2022
9	Thrissur	Varghese	Vadakkancherry	54	Male	20-03-2022
10	Kozhikode	Kunhi Krishna Panicker	Perambra	76	Male	21-03-2022
11	Kozhikode	Narayanan	Kakkur	83	Male	20-03-2022
12	Kozhikode	Purushothaman	Kozhikode	70	Male	15-03-2022
13	Kozhikode	Ramachandran Nambiar	Kakkodi	86	Male	18-03-2022

\*Deaths in last 24 hours : 4

\*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 9

\*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	93
Patients on Ventilator support	25

*\*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
46563638	20596583	77321	143024	910974	202941	55063	24577759

**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
24313	10677	102	549	67	70	12848

**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	1907	1864	43	1
Kollam	1129	1110	19	8
Pathanamthitta	321	292	29	28
Alappuzha	266	263	3	0
Kottayam	806	691	115	0
Idukki	2371	2341	30	3
Ernakulam	1765	1691	74	11
Thrissur	4390	4363	27	8
Palakkad	2654	2637	17	4
Malappuram	418	385	33	3
Kozhikode	795	706	89	1
Wayanad	172	159	13	3
Kannur	359	333	26	8
Kasaragod	188	109	79	2
<b>Total</b>	<b>17541</b>	<b>16944</b>	<b>597</b>	<b>80</b>

**Table 13. Summary of Travel surveillance 22/03/2022**

Mode of Travel	Cumulative number of Passengers
International airport	3370366
<b>Total</b>	<b>3370366</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/ഡെയിലി-ബുള്ളറ്റിന്%E2%80%8D/">http://dhs.kerala.gov.in/ഡെയിലി-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://aogyakeralam.gov.in/">https://aogyakeralam.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*