



**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)

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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- 1472560 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,69,00,149) and 86% with a double dose (2,30,41,457) till February 28. 77% of the 15-17 age group vaccinated with a single dose of vaccine (11,83,166) and 34% with a double dose (5,20,003). The state has vaccinated more than 97% of people aged over 45 years with a single dose and 86% with a double dose.
- During February 21 – February 27, the average active cases were 43,103 out of them, an average of 1.7% only were admitted in oxygen beds, and 1.4% were in ICU.
- Out of the total 26,560 cases, only 7.7% 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 27/2/2022**

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
6497204	6401236	4014	3756	258	65223	26229

**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)
2010	5283	2972	2428	544	7	42	61

**Table 3. Cumulative summary as on 28/02/2022**

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
6499214	26560	6406519	99446	97454	1992	65333	26290

**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	332	517	3507
Kollam	152	835	1814
Pathanamthitta	120	206	1171
Alappuzha	113	392	1464
Kottayam	194	427	2748
Idukki	111	444	1937
Ernakulam	324	718	4661
Thrissur	135	462	2281
Palakkad	77	230	645
Malappuram	81	228	1635
Kozhikode	186	351	2355
Wayanad	63	295	1103
Kannur	89	90	933
Kasaragod	33	88	306
<b>Total</b>	<b>2010</b>	<b>5283</b>	<b>26560</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	0	5
Kollam	1	0	1
Pathanamthitta	4	0	4
Alappuzha	4	1	5
Kottayam	1	3	4
Idukki	1	6	7
Ernakulam	3	22	25
Thrissur	5	0	5
Palakkad	4	5	9
Malappuram	10	24	34
Kozhikode	3	0	3
Wayanad	4	0	4
Kannur	4	0	4
Kasaragod	0	0	0
<b>Total</b>	<b>49</b>	<b>61</b>	<b>110</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>6498715</b>
Cases with history of International/Interstate travel	<b>74780</b>
Cases with history of contact	<b>6423935</b>

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

Total cases	<b>2010</b>
Cases with history of International/Interstate travel	<b>7</b>
Cases with history of contact	<b>1914</b>
Cases with no history of travel or contact	<b>89</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	Bhaskaran	Nagaroor	76	Male	28-02-2022
2	Thiruvananthapuram	Gopinatha Kurup	Chemmaruthy	70	Male	28-02-2022
3	Thiruvananthapuram	Khadeeja Beevi	Kallara	85	Female	28-02-2022
4	Thiruvananthapuram	Sudhakara Pillai	Pangode	76	Male	28-02-2022
5	Thiruvananthapuram	Sunil S	Kizhuvilam	37	Male	28-02-2022
6	Kollam	Philomena Gomez	Mayyanad	74	Female	25-02-2022
7	Pathanamthitta	Lissy Thomas	Mylapra	63	Female	31-01-2022
8	Pathanamthitta	O N Kuttappan Nair	Vallikkodu	96	Male	27-02-2022
9	Pathanamthitta	P O Varghese	Mylapra	85	Male	19-02-2022
10	Pathanamthitta	Vijayan Nair	Konni	55	Male	25-02-2022
11	Alappuzha	P J Thomas	Cherthala	85	Male	27-02-2022
12	Alappuzha	Ratnamma K	Mavelikkara Thekkekkara	86	Female	17-02-2022
13	Alappuzha	Sarasamma	Puliyur	73	Female	22-02-2022
14	Alappuzha	Sivakumar	Palamel	42	Male	20-02-2022
15	Kottayam	Gopalakrishnan Nair	Erumely	62	Male	26-02-2022
16	Idukki	Chinnamma	Udumbanchola	50	Female	26-02-2022
17	Ernakulam	Krishnapriya	Ayavana	24	Female	12-02-2022
18	Ernakulam	Mary Paulose	Kizhakkambalam	82	Female	12-02-2022
19	Ernakulam	V C Kunjappan	Thrikkakara	76	Male	19-02-2022
20	Thrissur	Fathima	Chavakkad	55	Female	21-02-2022
21	Thrissur	Jayaraman	Perinjanam	58	Male	25-02-2022

22	Thrissur	Neeli	Thiruvilwamala	80	Female	25-02-2022
23	Thrissur	Pillai C B	Kolazhy	82	Male	06-02-2022
24	Thrissur	Vasantha	Thrishur	69	Female	22-02-2022
25	Palakkad	Komalam	Mathur	74	Female	20-02-2022
26	Palakkad	P C George	Ambalapara	81	Male	21-02-2022
27	Palakkad	Raman P	Ottappalam	76	Male	25-10-2021
28	Palakkad	Rugmini	Mannur	74	Female	26-02-2022
29	Malappuram	Appu T T	Thirunavaya	73	Male	23-02-2022
30	Malappuram	Ayishumma	Nannamukku	72	Female	19-02-2022
31	Malappuram	Baby Of Shabana Safeer	Amarambalam	0	Male	24-02-2022
32	Malappuram	Hamza	Edayur	74	Male	25-02-2022
33	Malappuram	Kali	Pallikkal	70	Male	26-02-2022
34	Malappuram	Kalyani	Nannamukku	70	Female	23-02-2022
35	Malappuram	Kamalam M M	Vallikkunnu	63	Female	25-02-2022
36	Malappuram	Thambi	Edakkara	59	Male	04-02-2022
37	Malappuram	Umaiba Beevi	Thirunavaya	80	Female	20-02-2022
38	Malappuram	Umayya	Kalady	77	Female	21-02-2022
39	Kozhikode	Aravindakshan	Vadakara	61	Male	26-02-2022
40	Kozhikode	Mariyam	Chekkiad	75	Female	24-02-2022
41	Kozhikode	Safiya	Peruvayal	48	Female	25-02-2022
42	Wayanad	Ammini	Panamaram	85	Female	19-02-2022
43	Wayanad	Patta	Meppadi	56	Female	24-02-2022
44	Wayanad	Raghavan Nair K P	Meenangadi	79	Male	15-02-2022
45	Wayanad	Thomas	Mananthavady	83	Male	24-02-2022
46	Kannur	Anandhan	Kunhimangalam	81	Male	17-02-2022
47	Kannur	Kannan	Kankole- Alapadamba	98	Male	26-02-2022
48	Kannur	Mukundhan	Kannur	68	Male	20-02-2022
49	Kannur	Ragavan	Koothuparamba	84	Male	25-02-2022

\*Deaths in last 24 hours : 7

\*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 42

\*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 61

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

**Table 9. Summary of critical patients**

Patients in ICUs	<b>412</b>
Patients on Ventilator support	<b>128</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>45979283</b>	<b>20293249</b>	<b>77321</b>	<b>140807</b>	<b>900919</b>	<b>201308</b>	<b>53458</b>	<b>24312221</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>29545</b>	<b>17022</b>	<b>75</b>	<b>422</b>	<b>47</b>	<b>69</b>	<b>11910</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	9860	9706	154	15
Kollam	8424	8280	144	29
Pathanamthitta	26554	26440	114	113
Alappuzha	1916	1855	61	4
Kottayam	10141	9955	186	0
Idukki	4044	3972	72	10
Ernakulam	7460	7173	287	287
Thrissur	6983	6867	116	19
Palakkad	10779	10704	75	13
Malappuram	4047	3946	101	3
Kozhikode	4187	3966	221	14
Wayanad	1044	979	65	11
Kannur	1690	1459	231	20
Kasaragod	2317	2152	165	6
<b>Total</b>	<b>99446</b>	<b>97454</b>	<b>1992</b>	<b>544</b>

**Table 13. Summary of Travel surveillance 28/02/2022**

Mode of Travel	Cumulative number of Passengers
International airport	3244968
<b>Total</b>	<b>3244968</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*