



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

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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- 1473416 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,69,02,529) and 86% with a double dose (2,30,60,170) till March 02. 77% of the 15-17 age group vaccinated with a single dose of vaccine (11,84,747) and 35% with a double dose (5,32,999). 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 23 – March 01, the average active cases were 34,380 out of them, an average of 1.7% only were admitted in oxygen beds, and 1.3% were in ICU.
- Out of the total 21,664 cases, only 8.2% 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 01/03/2022

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
6502060	6410844	3230	2987	243	65501	26418

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)
2373	5525	3749	3518	231	7	45	44

Table 3. Cumulative summary as on 02/03/2022

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
6504433	21664	6416369	88270	86636	1634	65597	26462

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	407	572	3130
Kollam	194	474	1326
Pathanamthitta	121	196	1023
Alappuzha	131	302	1167
Kottayam	248	766	2273
Idukki	161	195	1737
Ernakulam	405	964	3650
Thrissur	141	562	1834
Palakkad	75	238	434
Malappuram	101	258	1308
Kozhikode	172	570	1696
Wayanad	90	224	983
Kannur	89	170	860
Kasaragod	38	34	243
Total	2373	5525	21664

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	5	8	13
Kollam	1	0	1
Pathanamthitta	5	0	5
Alappuzha	0	0	0
Kottayam	7	0	7
Idukki	3	16	19
Ernakulam	6	0	6
Thrissur	4	0	4
Palakkad	1	2	3
Malappuram	1	10	11
Kozhikode	10	0	10
Wayanad	2	0	2
Kannur	6	0	6
Kasaragod	1	8	9
Total	52	44	96

- 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	6503934
Cases with history of International/Interstate travel	74796
Cases with history of contact	6429138

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

Total cases	2373
Cases with history of International/Interstate travel	8
Cases with history of contact	2263
Cases with no history of travel or contact	102

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

Sl no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Girija	Panavoor	57	Female	21-02-2022
2	Thiruvananthapuram	Jayachandran K	Aryankode	57	Male	01-03-2022
3	Thiruvananthapuram	Madhavi	Maranallur	85	Female	26-02-2022
4	Thiruvananthapuram	Mangalan	Peringammala	61	Male	01-03-2022
5	Thiruvananthapuram	Sethukutty Amma	Thiruvananthapuram	86	Female	02-03-2022
6	Kollam	K Thomas	Kottarakkara	72	Male	14-02-2022
7	Pathanamthitta	Aniamma Kunjukunju	Mezhuvely	84	Female	26-02-2022
8	Pathanamthitta	Kuriakose K V	Thiruvalla	83	Male	26-02-2022
9	Pathanamthitta	Molly Chacko	Kutdoor	63	Female	28-02-2022
10	Pathanamthitta	Rajan K J	Kottangal	50	Male	23-02-2022
11	Pathanamthitta	Samma Thomas	Thiruvalla	89	Female	22-02-2022
12	Kottayam	Francis K A	Panachikadu	40	Male	23-02-2022
13	Kottayam	Joseph M C	Athirampuzha	76	Male	08-02-2022
14	Kottayam	K U Mathew	Pampady	80	Male	15-02-2022
15	Kottayam	Kunjappu	Athirampuzha	70	Male	06-02-2022
16	Kottayam	Mariamamma Chacko	Chirakkadavu	91	Female	26-02-2022
17	Kottayam	Marykutty Joy	Kadanadu	79	Female	27-01-2022
18	Kottayam	Mohanachandran	Thrikkodithanam	74	Male	28-02-2022
19	Idukki	Chacko Mathai	Chakkupallam	86	Male	27-02-2022
20	Idukki	Kunjuamma	Rajakkad	88	Male	28-02-2022
21	Idukki	Thankamma	Udumbannoor	70	Female	02-03-2022

22	Ernakulam	Ammukutty Amma	Amballur	87	Female	19-02-2022
23	Ernakulam	Dileep Kumar	Puthenvelikara	45	Male	23-02-2022
24	Ernakulam	Krishnan Oliparambil	Kochi	83	Male	07-02-2022
25	Ernakulam	Mercy Am	Nayarambalam	82	Female	24-02-2022
26	Ernakulam	Ramakrishna Pillai	Chengamanadu	89	Male	18-02-2022
27	Ernakulam	Subramanian P K	Malayattoor- Neeleeswaram	62	Male	16-02-2022
28	Thrissur	Devaki	Irinjalakuda	60	Female	28-02-2022
29	Thrissur	Geetha Mohandas	Kandanassery	55	Female	27-02-2022
30	Thrissur	Praveen Kumar	Thrishur	46	Male	23-02-2022
31	Thrissur	Thankamani	Choondal	75	Female	27-02-2022
32	Palakkad	K Viswanathan	Kizhakkanchery	78	Male	27-02-2022
33	Malappuram	Janaki	Maranchery	70	Female	24-02-2022
34	Kozhikode	Balakrishnan	Ulliyeri	76	Male	28-02-2022
35	Kozhikode	Balan	Perambra	70	Male	01-03-2022
36	Kozhikode	Balan Nair	Vanimel	73	Male	25-02-2022
37	Kozhikode	Beepathu K P	Kozhikode	69	Female	27-02-2022
38	Kozhikode	Divakaran	Kozhikode	89	Male	27-02-2022
39	Kozhikode	Janu	Kuttiady	68	Female	18-02-2022
40	Kozhikode	Kannalan	Perambra	90	Male	26-02-2022
41	Kozhikode	Karthiyani Amma	Panangad	92	Female	25-02-2022
42	Kozhikode	Moidu Haji	Thiruvallur	75	Male	21-02-2022
43	Kozhikode	Vasanthi	Koilandy	84	Female	28-02-2022
44	Wayanad	Fathima	Thavinhal	44	Female	26-02-2022
45	Wayanad	Joseco	Meenangadi	65	Male	23-02-2022
46	Kannur	Achuthan	Chengalayi	82	Male	01-03-2022
47	Kannur	Baby John	Naduvil	63	Male	21-02-2022
48	Kannur	Krishna Das	Chirakkal	85	Male	17-02-2022
49	Kannur	P K Balakrishnan	Cherukunnu	91	Male	04-02-2022
50	Kannur	Puthiyadath Krishnan	Eramam- Kuttoor	65	Male	28-02-2022
51	Kannur	Ramunni	Cherukunnu	82	Male	03-02-2022
52	Kasaragod	Lakshmikutty K	Nileshwar	74	Female	01-03-2022

*Deaths in last 24 hours : 7

*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 45

*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 44

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

Table 9. Summary of critical patients

Patients in ICUs	345
Patients on Ventilator support	98

**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
46056553	20336017	77321	141043	902055	201432	53656	24345029

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
36747	20155	115	540	56	101	15780

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	8341	8203	138	18
Kollam	5746	5633	113	27
Pathanamthitta	26263	26161	102	100
Alappuzha	1353	1306	47	6
Kottayam	10291	10119	172	0
Idukki	3701	3625	76	5
Ernakulam	5791	5549	242	13
Thrissur	6389	6315	74	11
Palakkad	9348	9289	59	5
Malappuram	3299	3217	82	5
Kozhikode	3830	3650	180	11
Wayanad	895	841	54	3
Kannur	1213	1084	129	20
Kasaragod	1810	1644	166	7
Total	88270	86636	1634	231

Table 13. Summary of Travel surveillance 02/03/2022

Mode of Travel	Cumulative number of Passengers
International airport	3253598
Total	3253598

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*