



**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- 1462956 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,68,83,847) and 86% with a double dose (2,29,07,065) till February 19. 76% of the 15-17 age group vaccinated with a single dose of vaccine (11,61,059) and 22% with a double dose (3,35,667). 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 12 – February 18, the average active cases were 1,29,855 out of them, an average of 1.1% only were admitted in oxygen beds, and 0.6% were in ICU.
- Out of the total 75,017 cases, only 5.5% 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 18/2/2022

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
6456806	6306611	10860	10234	626	63529	25122

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)
6757	17086	10373	9741	632	16	96	412

Table 3. Cumulative summary as on 19/02/2022

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
6463563	75017	6323697	180392	176266	4126	64053	25534

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	750	2554	8884
Kollam	501	1074	4243
Pathanamthitta	311	751	3010
Alappuzha	363	995	4768
Kottayam	542	1530	7909
Idukki	298	1054	5806
Ernakulam	1462	3145	13710
Thrissur	542	1532	6894
Palakkad	316	665	2855
Malappuram	339	970	4988
Kozhikode	653	1405	5735
Wayanad	285	562	2833
Kannur	270	597	2547
Kasaragod	125	252	835
Total	6757	17086	75017

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	13	1	14
Kollam	12	212	224
Pathanamthitta	8	0	8
Alappuzha	16	21	37
Kottayam	9	37	46
Idukki	13	0	13
Ernakulam	6	90	96
Thrissur	12	0	12
Palakkad	8	11	19
Malappuram	1	11	12
Kozhikode	3	20	23
Wayanad	2	0	2
Kannur	7	9	16
Kasaragod	2	0	2
Total	112	412	524

- 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	6463064
Cases with history of International/Interstate travel	74645
Cases with history of contact	6388419

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

Total cases	6757
Cases with history of International/Interstate travel	44
Cases with history of contact	6364
Cases with no history of travel or contact	349

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

SI no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Arifa Beevi	Karavaram	69	Female	16-02-2022
2	Thiruvananthapuram	Bhuvanachandran Nair K	Maranallur	67	Male	17-02-2022
3	Thiruvananthapuram	Gopalakrishnan	Kilimanoor	72	Male	15-02-2022
4	Thiruvananthapuram	Kalavathy	Thiruvananthapuram	73	Female	15-02-2022
5	Thiruvananthapuram	Lakshmanan K	Nagaroor	70	Male	15-02-2022
6	Thiruvananthapuram	Madhupal K M	Thiruvananthapuram	52	Male	16-02-2022
7	Thiruvananthapuram	Manikandan	Karakulam	37	Male	01-02-2022
8	Thiruvananthapuram	Maniyan	Vithura	75	Male	15-02-2022
9	Thiruvananthapuram	Ramachandran	Thiruvananthapuram	77	Male	15-02-2022
10	Thiruvananthapuram	Subhashini A	Poovachal	87	Female	22-01-2022
11	Thiruvananthapuram	S Venugopalan Nair	Thiruvananthapuram	70	Male	16-02-2022
12	Thiruvananthapuram	Thankarajan J	Nanniyode	68	Male	19-02-2022
13	Thiruvananthapuram	Ummathu Beevi	Vettoor	78	Female	16-02-2022
14	Kollam	Abdul Rahim	Mayyanad	64	Male	15-02-2022
15	Kollam	Bhaskaran	Pathanapuram	63	Male	15-02-2022
16	Kollam	Fathima	Elamadu	92	Female	06-09-2021
17	Kollam	Ismail M M	Mylom	64	Male	09-02-2022
18	Kollam	Janardanan Pilla	Neduvathur	90	Male	17-02-2022
19	Kollam	Muhammad Kunju	Ezhukone	80	Male	17-02-2022
20	Kollam	Parukutty	Kollam	90	Female	17-02-2022
21	Kollam	Pg Vasanthakumar	Mandrothuruthu	78	Male	02-02-2022
22	Kollam	Radhamma	Kollam	84	Female	05-02-2022

23	Kollam	Rahel	East Kallada	73	Female	17-02-2022
24	Kollam	Shajahan	Mylom	72	Male	16-02-2022
25	Kollam	Susheela Amma	Chavara	79	Female	11-02-2022
26	Pathanamthitta	Ammini	Konni	72	Female	17-02-2022
27	Pathanamthitta	Janakiyamma	Chenneerkara	80	Female	16-02-2022
28	Pathanamthitta	John Mathai	Thottappuzhassery	60	Male	17-02-2022
29	Pathanamthitta	K R Sadasivan Nair	Thiruvalla	83	Male	14-02-2022
30	Pathanamthitta	Kuttan Pillai	Earathu	90	Male	18-02-2022
31	Pathanamthitta	Mobin	Seethathodu	16	Male	16-02-2022
32	Pathanamthitta	Sosamma Cherian	Kallooppa	78	Female	17-02-2022
33	Pathanamthitta	Thankamani	Naranganam	50	Female	18-02-2022
34	Alappuzha	Bhaskaran Pillai	Champakulam	96	Male	10-02-2022
35	Alappuzha	Divakaran	Chettikulangara	71	Male	17-02-2022
36	Alappuzha	George V J	Mannanchery	78	Male	18-02-2022
37	Alappuzha	Indirapillai	Pallippad	73	Female	16-02-2022
38	Alappuzha	Janakiyamma	Cheriyana	85	Female	30-01-2022
39	Alappuzha	Kannan	Alappuzha	35	Male	13-02-2022
40	Alappuzha	K C George	Thazhakkara	87	Male	16-02-2022
41	Alappuzha	Khadeeja Kutty	Aarattupuzha	75	Female	15-08-2021
42	Alappuzha	K M Abraham	Mulakkuzha	72	Male	17-02-2022
43	Alappuzha	Kumara Swamy	Cheriyana	79	Male	10-02-2022
44	Alappuzha	Ponnamma Kunjamma	Nooranad	74	Female	16-02-2022
45	Alappuzha	Rajan T C	Thazhakkara	57	Male	12-02-2022
46	Alappuzha	Sankunni	Perumbalam	85	Male	11-02-2022
47	Alappuzha	Sudhamani	Veeyapuram	59	Female	17-02-2022
48	Alappuzha	Swarnamma Philip	Chengannur	71	Female	05-02-2022
49	Alappuzha	V C Annamma	Mannar	68	Female	18-02-2022
50	Kottayam	Annamma Chacko	Vijayapuram	58	Female	18-02-2022
51	Kottayam	George Joseph	Pala	80	Male	16-02-2022
52	Kottayam	Janardhanan	Elikkulam	81	Male	18-02-2022
53	Kottayam	Kunjamma Chacko	Vazhoor	70	Female	19-02-2022
54	Kottayam	Muraleedharan Nair	Mundakayam	72	Male	17-02-2022
55	Kottayam	Sindhu	Kurichy	37	Female	18-02-2022
56	Kottayam	Sorojinamma	Poonjar	87	Female	17-02-2022
57	Kottayam	Sreedevikuttyamma	Vazhappally	82	Female	18-02-2022
58	Kottayam	Vanaja P S	Vaikom	66	Female	16-02-2022
59	Idukki	Achamma Paily	Kattappana	60	Female	12-02-2022
60	Idukki	Bhavani Thankappan	Mankulam	82	Female	12-02-2022
61	Idukki	Janardanan Nair	Kumaramangalam	85	Male	13-02-2022
62	Idukki	Leela	Vellathooval	63	Female	15-02-2022
63	Idukki	Mani	Vandiperiyar	69	Male	12-02-2022

64	Idukki	Mariyakutty John	Thodupuzha	87	Female	17-02-2022
65	Idukki	Parameswaran	Konnathady	73	Male	11-02-2022
66	Idukki	Pathimma	Vathikudy	78	Female	16-02-2022
67	Idukki	Salim N	Edavetty	77	Male	15-02-2022
68	Idukki	Sekharan	Karimkunnam	74	Male	16-02-2022
69	Idukki	Sudha Vijayan	Udumbannoor	72	Female	17-02-2022
70	Idukki	Thomas Augusthy	Karimkunnam	80	Male	12-02-2022
71	Idukki	Vilasini	Kodikulam	67	Female	16-02-2022
72	Ernakulam	Devassia	Manjallur	68	Male	12-02-2022
73	Ernakulam	K O Mathai	Keezhmadu	70	Male	07-02-2022
74	Ernakulam	Padmavathy	Chottanikara	75	Female	13-02-2022
75	Ernakulam	Rosa Joseph	Avoly	92	Female	08-02-2022
76	Ernakulam	Saraswathi Amma	Koovappady	83	Female	15-02-2022
77	Ernakulam	Thressiakutty	Avoly	86	Female	17-02-2022
78	Thrissur	Ammini	Thrishur	72	Female	16-02-2022
79	Thrissur	Chakkal	Mullurkkara	78	Male	17-02-2022
80	Thrissur	Geetha	Thanniam	50	Female	16-02-2022
81	Thrissur	Kousalya	Irinjalakuda	85	Female	18-02-2022
82	Thrissur	Lekshmi Kuttiyamma	Varantharappilly	76	Female	15-02-2022
83	Thrissur	Padmavathy	Thiruvilwamala	63	Female	17-02-2022
84	Thrissur	Rappai	Kattoor	79	Male	16-02-2022
85	Thrissur	Smitha	Eriyad	40	Female	18-02-2022
86	Thrissur	Soman P K	Vadanappilly	75	Female	16-02-2022
87	Thrissur	Sreedharan Nair	Vallathole Nagar	81	Male	17-02-2022
88	Thrissur	Unnikrishnan	Choondal	67	Male	15-02-2022
89	Thrissur	Vidhya	Avinissery	37	Female	17-02-2022
90	Palakkad	Arun Kumar E	Pattanchery	42	Male	17-02-2022
91	Palakkad	Biyayathu	Pattithara	84	Female	08-02-2022
92	Palakkad	Maani	Mundur	60	Male	18-02-2022
93	Palakkad	Rajan A	Kodumba	59	Male	30-01-2022
94	Palakkad	Sara	Ottappalam	54	Female	17-02-2022
95	Palakkad	Thankkammu	Mannur	57	Female	17-02-2022
96	Palakkad	Venugopalan	Mathur	56	Male	16-02-2022
97	Palakkad	Vesu K	Nagalassery	75	Female	19-02-2022
98	Malappuram	Muhammed Kutti	Malappuram	85	Male	01-01-2022
99	Kozhikode	Balakrishnan Nair	Chemanchery	83	Female	13-02-2022
100	Kozhikode	Karthiyayani Amma	Puthuppadi	85	Female	16-02-2022
101	Kozhikode	Mayin	Omasery	65	Male	17-02-2022
102	Wayanad	Moosa Haji	Kaniyambetta	68	Male	16-02-2022
103	Wayanad	Sunil Kumar	Poothady	38	Male	17-02-2022
104	Kannur	Aboobacker K V	Mattool	83	Male	17-02-2022

105	Kannur	Balakrishnan	Panniyannur	72	Male	17-02-2022
106	Kannur	Balakrishnan M E	Eramam- Kuttoor	70	Male	16-02-2022
107	Kannur	Chandran	Kannur	81	Male	17-02-2022
108	Kannur	Gopalan	Mattannur	72	Male	18-02-2022
109	Kannur	Nanu	Panniyannur	75	Male	17-02-2022
110	Kannur	Rosamma K	Payyavoor	82	Female	15-02-2022
111	Kasaragod	Aithan	Kodom -Belur	90	Male	19-02-2022
112	Kasaragod	Kannan Nair	Kinanoor - Karindalam	88	Male	17-02-2022

*Deaths in last 24 hours : 16

*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 96

*Deaths declared through appeal process (Appeal cases filed) in the last 24 hours : 412

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

Table 9. Summary of critical patients

Patients in ICUs	765
Patients on Ventilator support	220

**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
45566931	20062082	77321	139679	895993	177057	52555	24162244

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
62301	37116	117	672	3243	120	21033

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	14798	14423	375	79
Kollam	22431	22039	392	34
Pathanamthitta	28051	27779	272	266
Alappuzha	5300	5176	124	18
Kottayam	14825	14417	408	0
Idukki	8247	8073	174	11
Ernakulam	18283	17654	629	46
Thrissur	12724	12459	265	45
Palakkad	21961	21814	147	15
Malappuram	11133	10918	215	24
Kozhikode	9697	9219	478	26
Wayanad	2551	2437	114	22
Kannur	5033	4740	293	34
Kasaragod	5358	5118	240	12
Total	180392	176266	4126	632

Table 13. Summary of Travel surveillance 19/02/2022

Mode of Travel	Cumulative number of Passengers
International airport	3172698
Total	3172698

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/ഡയറി-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://arogyakeralam.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*