



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

www.health.kerala.gov.in

www.dhs.kerala.gov.in

controlroomdhsKERALA@gmail.com

Date: 20/02/2022

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- 1463385 Vaccination/Million
- 100% of the eligible population vaccinated with a single dose of vaccine (2,68,86,677) and 86% with a double dose (2,29,32,105) till February 20. 76% of the 15-17 age group vaccinated with a single dose of vaccine (11,66,134) and 25% with a double dose (3,77,808). 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 13 – February 19, the average active cases were 1,14,665 out of them, an average of 1.1% only were admitted in oxygen beds, and 0.6% were in ICU.
- Out of the total 66,018 cases, only 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 19/2/2022

| 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 |
|----------------|--------------------|--------------------------------------|---|-----------------------------------|-----------------------------|---|
| 6463563 | 6323697 | 10373 | 9741 | 632 | 64053 | 25534 |

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) |
|----------------|--------------------|---------------------------------------|---|-----------------------------------|------------------------------|--|--|
| 5427 | 14334 | 9558 | 9007 | 551 | 9 | 39 | 44 |

Table 3. Cumulative summary as on 20/02/2022

| 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 |
|----------------------|--------------|-----------------|--|---|-------------------------------|--------------------|---|
| 6468990 | 66018 | 6338031 | 170962 | 167141 | 3821 | 64145 | 25578 |

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 | 841 | 1311 | 8411 |
| Kollam | 537 | 2321 | 2445 |
| Pathanamthitta | 263 | 678 | 2572 |
| Alappuzha | 321 | 1003 | 4083 |
| Kottayam | 456 | 1287 | 7074 |
| Idukki | 305 | 1090 | 5021 |
| Ernakulam | 767 | 1659 | 12805 |
| Thrissur | 386 | 1169 | 6102 |
| Palakkad | 230 | 595 | 2482 |
| Malappuram | 279 | 1039 | 4227 |
| Kozhikode | 428 | 966 | 5194 |
| Wayanad | 296 | 424 | 2705 |
| Kannur | 226 | 599 | 2167 |
| Kasaragod | 92 | 193 | 730 |
| Total | 5427 | 14334 | 66018 |

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 | 3 | 0 | 3 |
| Kollam | 8 | 6 | 14 |
| Pathanamthitta | 0 | 23 | 23 |
| Alappuzha | 2 | 1 | 3 |
| Kottayam | 4 | 0 | 4 |
| Idukki | 0 | 0 | 0 |
| Ernakulam | 13 | 0 | 13 |
| Thrissur | 9 | 0 | 9 |
| Palakkad | 5 | 3 | 8 |
| Malappuram | 0 | 1 | 1 |
| Kozhikode | 3 | 0 | 3 |
| Wayanad | 0 | 0 | 0 |
| Kannur | 1 | 6 | 7 |
| Kasaragod | 0 | 4 | 4 |
| Total | 48 | 44 | 92 |

- 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 | 6468491 |
| Cases with history of International/Interstate travel | 74674 |
| Cases with history of contact | 6393817 |

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

| | |
|---|-------------|
| Total cases | 5427 |
| Cases with history of International/Interstate travel | 29 |
| Cases with history of contact | 5060 |
| Cases with no history of travel or contact | 338 |

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

| Sl no. | District | Name | Place | Age | Gender | Death Date |
|---------------|--------------------|---------------------|--------------------|------------|---------------|-------------------|
| 1 | Thiruvananthapuram | Gopi Sundaram | Chirayinkeezhu | 72 | Male | 19-02-2022 |
| 2 | Thiruvananthapuram | Sasidharan N | Thiruvananthapuram | 78 | Male | 18-02-2022 |
| 3 | Thiruvananthapuram | Thulasidharan | Mangalapuram | 67 | Male | 17-02-2022 |
| 4 | Kollam | Abusa | Thrikkovilvattom | 61 | Female | 14-02-2022 |
| 5 | Kollam | A Kunju Pillai | Thevalakkara | 83 | Male | 17-02-2022 |
| 6 | Kollam | Chandra Prabha | Thodiyoor | 56 | Female | 19-02-2022 |
| 7 | Kollam | Lambodharan Pillai | Pathanapuram | 68 | Male | 17-02-2022 |
| 8 | Kollam | Prasad Pillai | Kollam | 67 | Male | 18-02-2022 |
| 9 | Kollam | Sarasamma K | Sooranad North | 75 | Female | 16-02-2022 |
| 10 | Kollam | Sathyabhama | Punalur | 85 | Male | 12-02-2022 |
| 11 | Kollam | Sumathy | Kollam | 90 | Female | 19-02-2022 |
| 12 | Alappuzha | Bhaskaran Pillai | Bharanikkavu | 91 | Male | 14-02-2022 |
| 13 | Alappuzha | R Viswambharan Nair | Kavalam | 82 | Male | 09-02-2022 |
| 14 | Kottayam | Alamma Joseph | Ettumanoor | 86 | Female | 16-02-2022 |
| 15 | Kottayam | M R Chellamma | Nedumkunnam | 90 | Female | 17-02-2022 |
| 16 | Kottayam | Ranganathan | Kaduthuruthy | 65 | Male | 16-02-2022 |
| 17 | Kottayam | Velu | Kottayam | 70 | Male | 18-02-2022 |
| 18 | Ernakulam | Avarachan V P | Mulavukadu | 78 | Male | 08-02-2022 |
| 19 | Ernakulam | K M Stalin | Kochi | 85 | Male | 12-11-2021 |
| 20 | Ernakulam | Mariam George | Arakkuzha | 95 | Female | 13-02-2022 |
| 21 | Ernakulam | Muhammed K M | Chittattukara | 54 | Male | 16-02-2022 |

| | | | | | | |
|----|-----------|--------------------|-----------------|----|--------|------------|
| 22 | Ernakulam | Ouseph Varghese | Ayavana | 90 | Male | 29-01-2022 |
| 23 | Ernakulam | Padvathiyamma | Udayamperoor | 95 | Female | 23-09-2021 |
| 24 | Ernakulam | P E Joy | Kuttampuzha | 85 | Male | 29-01-2022 |
| 25 | Ernakulam | P Raveendran | Mulamthuruthy | 69 | Male | 15-02-2022 |
| 26 | Ernakulam | Rajagopal | Kottuvally | 73 | Male | 16-02-2022 |
| 27 | Ernakulam | Renuka | Aluva | 62 | Female | 12-02-2022 |
| 28 | Ernakulam | Salena Pathrose | Aluva | 72 | Female | 04-10-2021 |
| 29 | Ernakulam | Shanmughan | Chengamanadu | 47 | Male | 13-02-2022 |
| 30 | Ernakulam | Shyla | Kochi | 56 | Female | 17-02-2022 |
| 31 | Thrissur | Alice | Arimbur | 58 | Female | 19-02-2022 |
| 32 | Thrissur | Glissy | Puthur | 81 | Female | 19-02-2022 |
| 33 | Thrissur | Ibrahimkutty | Vadanappilly | 83 | Male | 17-02-2022 |
| 34 | Thrissur | Krishnan | Thrishur | 82 | Male | 25-11-2021 |
| 35 | Thrissur | M I Madhavan | Thrishur | 86 | Male | 17-02-2022 |
| 36 | Thrissur | Rukkiya Sainudheen | Vadakkakkad | 48 | Female | 20-02-2022 |
| 37 | Thrissur | Sukumari | Puthur | 79 | Female | 19-02-2022 |
| 38 | Thrissur | Ummu | Chavakkad | 80 | Female | 12-02-2022 |
| 39 | Thrissur | Visalakshiamma | Velur | 82 | Female | 18-02-2022 |
| 40 | Palakkad | Bhanumathi | Chalissery | 87 | Female | 18-02-2022 |
| 41 | Palakkad | Gangadhara Menon | Karimpuzha | 86 | Male | 18-02-2022 |
| 42 | Palakkad | Kanniyammal | Muthalamada | 70 | Female | 18-02-2022 |
| 43 | Palakkad | Rajan A | Puduppariyaram | 52 | Male | 19-02-2022 |
| 44 | Palakkad | Rajesh | Kadampazhipuram | 33 | Male | 20-02-2022 |
| 45 | Kozhikode | Ayishu | Nadapuram | 84 | Female | 17-02-2022 |
| 46 | Kozhikode | Gopalan | Balussery | 88 | Male | 18-02-2022 |
| 47 | Kozhikode | Karthyayani | Chemanchery | 70 | Female | 18-02-2022 |
| 48 | Kannur | K R Narayanan Nair | Muzhakkunnu | 74 | Male | 18-02-2022 |

*Deaths in last 24 hours : 9

*Deaths declared in the last 24 hours but of previous days due to late receiving of documents : 39

*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 | 742 |
| Patients on Ventilator support | 206 |

**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 |
|-------------------------|---------------------------------------|----------------------|---------|----------|----------|---------|---------------|
| 45616114 | 20089237 | 77321 | 139806 | 896383 | 183114 | 52643 | 24177610 |

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 |
|--------------|----------------------------------|---------|----------|----------|---------|---------------|
| 49183 | 27155 | 127 | 390 | 6057 | 88 | 15366 |

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 | 14951 | 14612 | 339 | 92 |
| Kollam | 20893 | 20561 | 332 | 31 |
| Pathanamthitta | 27692 | 27448 | 244 | 241 |
| Alappuzha | 4866 | 4755 | 111 | 12 |
| Kottayam | 14320 | 13919 | 401 | 0 |
| Idukki | 7497 | 7338 | 159 | 10 |
| Ernakulam | 17661 | 17083 | 578 | 39 |
| Thrissur | 11742 | 11513 | 229 | 22 |
| Palakkad | 21296 | 21150 | 146 | 14 |
| Malappuram | 9837 | 9626 | 211 | 9 |
| Kozhikode | 8734 | 8288 | 446 | 16 |
| Wayanad | 2410 | 2304 | 106 | 20 |
| Kannur | 4056 | 3752 | 304 | 30 |
| Kasaragod | 5007 | 4792 | 215 | 15 |
| Total | 170962 | 167141 | 3821 | 551 |

Table 13. Summary of Travel surveillance 20/02/2022

| 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*