

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

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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.

OUR HEALTH OUR RESPONSIBILITY

- Even after vaccination , follow COVID appropriate behaviour.
- Maintain a distance of at least two metres with all people all the time.
- Always wear clean face mask appropriately everywhere all the time
- Perform hand hygiene after touching objects and surfaces all the time.
- Perform hand hygiene before and after touching your face.
- Observe cough and sneeze hygiene
- Avoid unnecessary travel, social interaction
- Protect the elderly and the vulnerable- Observe reverse quarantine
- PEOPLE WITH MULTIPLE COMORBIDITIES, IF DETECTED COVID POSTIVE SHOULD GET ADMITTED IN THE HOSPITAL IMMEDIATELY AND DO NOT REMAINED IN HOME ISOLATION
- Infection prevention by following Covid appropriate behaviour got strengthened with introduction of COVID vaccination.

Covid 19 status- Analytical Note

- 95.4% of the eligible population vaccinated with a single dose of vaccine (2,54,96,732) and 57.4% with a double dose (1,53,52,079) till November 14.
- Kerala is the state with highest rate of Vaccination/ Million- 1144242. The state has vaccinated more than 96% of people aged more than 45 years with a single dose and 70% with double dose*. (*Target recalculated)
- People have been cooperating we appeal to the 2nd dose eligible people to take their second dose of Covishield/ Covaxin without delay. Both the vaccines are effective.

- As per today's data, among the 5848 positives, 4874 persons were eligible for vaccination. 947 were vaccinated with single-dose and 2379 were fully vaccinated.
- **1548** persons had no history of vaccination. This sub cohort needs to be followed and among them people having morbidity are advised to access health care in a Hospital. All vaccinated people should follow covid appropriate behaviour.
- Non vaccinated people with co morbidity have higher chances of mortality based on the mortality analysis. Hence, especially people with comorbidities should be careful. All must follow Covid appropriate behaviors.
- COVID-19 vaccines protect people from getting infected and become severely ill, and significantly reduce the likelihood of hospitalization and death.

• During November 4-November 10, the average active cases were 72,634 out of them an average of around 1.7% only were admitted in oxygen beds and 1.4% were in ICU. During this period there was a decrease of around 1959 new cases. The growth rate in newly declared cases decreased by 4% during the same week compared to the previous week. The number of active patients, those admitted in hospitals, field hospitals, ICU, ventilator and oxygen support beds has reduced by 6%, 11%, 37%, 10%,

9% and 20% respectively in this week compared to previous week. This shows that rate of hospitalization and serious cases are showing a decreasing trend.

- For any disease control program, active case finding is important. The state is doing appropriate testing. However, there is an apprehension regarding test positivity rate. It is hereby explained that test positivity rate indicates the infection. There are two specific issues all may understand i.e. **contracting infection** and because of contracting infection **the disease manifestation**. The World over post vaccination phase, contracting infection to disease manifestation is examined as CONVERSION RATE to decide the severity of pandemic. The data as on date suggests the conversion rate is stable because the People are following instructions, taking vaccines. However, it can be further improved with cooperation from all i.e. positive person having comorbidities should not delay their arrival in Hospital and take treatment as per the treatment protocols.
- Out of total 67,185 cases of infection only 6.8% of the active cases are admitted either in hospital/Field hospitals. This percentage is more or less constant and that indicates that the progression toward disease of the person who is infected is not very alarming and appropriate care and support is being given to patients. The patients who arrive late in the hospital even though having morbidity are the majority patients in the hospitals and Diabetes and Hypertension together being the most common cause of patient death. Therefore, we request people with co morbidities once detected with covid infection to get hospitalized in time.
- Based on the Covid positive data during June, July and August, 6% of the Covid positive patients had taken a single dose of Covid 19 vaccination and 3.6% had taken two doses of covid 19 vaccination. This indicates that vaccinated people may get infected, even though it is very less. It indicates that post vaccination immunity is effective in preventing infection. Vaccinated people are advised to consult Doctor only when symptomatic. Vaccinated people should follow covid appropriate behaviour.
- Symptomatic non-Vaccinated people may do RTPCR test. Antigen testing is only for emergency purpose. Non vaccinated people with co-morbidities to do testing by RTPCR and consult doctor.
- Repeat RTPCR is not needed among the people who are detected COVID positive in the previous 3 months. All young person detected positive and at home isolation should do blood sugar test.

PART- 1 SUMMARY OF COVID CASES AND DEATH Table 1. Summary of COVID-19 cases till 13/11/2021

Positive cases	Recovere d 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 G.O.(Rt) No.2110/2 021/H&F WD (B)	No of pending deaths declaration of the cases up to 18 June 2021 (offline period of death reporting) As per G.O.(Rt) No.2219/2021/H&F WD Dated 14 October (C)
5055224	4950281	20997	20652	345	35685	3365	3779

Table 2. Summary of new COVID-19 cases (last 24 hours)

Posit case	d	New persons in Quarantin e/ Isolation	New Persons in Home, Institution quarantine	New persons in Hospital Isolation	No of Deaths reported daily (A)	No of deaths declared as per appeal G.O.(Rt) No.2110/20 21/H&FWD (B)	No of pending deaths declaration of the cases up to 18 June 2021 (offline period of death reporting) As per G.O.(Rt) No.2219/2021/H& FWD Dated 14 October (C)
584	8 7228	15312	14950	362	46	19	0

Table 3. Cumulative summary as on 14/11/2021

Ро	'otal ositive ases	Active cases	Total Recover ed	Total persons in Quarantin e/ Isolation	Persons in Home/Ins titution quarantin e	Persons in Hospital Isolatio n	Total No of Deaths (D)	Total No of deaths declared as per appeal G.O.(Rt) No.2110/20 21/H&FWD (E)	Total No of pending deaths declaration of the cases up to 18 June 2021 (offline period of death reporting) As per G.O.(Rt) No.2219/2021/H&F WD Dated 14 October (F)
50	61072	67185	<i>4957509</i>	226642	221139	5503	35750	3384	3779

District	Positive Cases declared today	Declared Negative today	Positive cases admitted in the district	Other Districts
Thiruvananthapuram	650	992	9270	Kollam - 79, Pathanamthitta - 19, Alappuzha - 11, Kottayam - 9, Idukki - 11, Ernakulam - 7, Thrissur - 4, Palakkad - 3, Malappuram - 1, Kozhikode - 2, Kannur - 3, Kasaragod - 1, Others - 51
Kollam	454	695	5853	Pathanamthitta - 14, Idukki - 1, Ernakulam - 1
Pathanamthitta	244	503	3137	Alappuzha - 1, Kottayam - 6, Idukki - 1, Ernakulam - 2, Thrissur - 1
Alappuzha	218	222	2592	Pathanamthitta - 43, Kottayam - 34, Ernakulam - 3, Palakkad - 5, Kannur - 1
Kottayam	383	462	5400	Pathanamthitta - 49, Idukki - 43, Ernakulam - 30, Thrissur - 1, Kannur - 2
Idukki	269	325	4256	Kottayam - 15, Ernakulam - 33
Ernakulam	919	826	8532	Pathanamthitta - 7, Kottayam - 5, Idukki - 13, Thrissur - 1, Palakkad - 5, Wayanad - 1, Kannur - 4, Kasaragod - 2, Others - 305
Thrissur	637	869	7210	Kollam - 1, Pathanamthitta - 1, Alappuzha - 1, Kottayam - 1, Idukki - 1, Ernakulam - 6, Palakkad - 26, Malappuram - 1, Kannur - 1, Others - 1
Palakkad	287	348	2154	
Malappuram	251	345	3072	
Kozhikode	715	788	7447	Thiruvananthapuram - 2, Pathanamthitta - 1, Kottayam - 5, Ernakulam - 13, Malappuram - 4, Wayanad - 23, Kannur - 61, Kasaragod - 14, Others - 1
Wayanad	335	333	2867	Kannur - 3
Kannur	376	411	4055	
Kasaragod	110	109	1340	Kannur - 1
Total	5848	7228	67185	

Table 4. District wise summary of Cumulative cases, Active cases, and New positive cases

District	No of Deaths reported daily (A)	No of deaths declared through appeal G.O.(Rt) No.2110/2021/H&F WD Dated 29 September (B)	No of pending deaths declaration of the cases up to 18 June 2021 (offline period of death reporting) As per G.O.(Rt) No.2219/2021/H&FWD Dated 14 October (C)	Death Cases approved today (A+B+C)
Thiruvananthapuram	3	9	0	12
Kollam	10	0	0	10
Pathanamthitta	0	0	0	0
Alappuzha	5	8	0	13
Kottayam	8	0	0	8
Idukki	0	0	0	0
Ernakulam	8	2	0	10
Thrissur	0	0	0	0
Palakkad	6	0	0	6
Malappuram	3	0	0	3
Kozhikode	2	0	0	2
Wayanad	0	0	0	0
Kannur	0	0	0	0
Kasaragod	1	0	0	1
Total	46	19	0	65

Table 5. District wise Death Cases through online and offline mode - post scrutiny status

• 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	5060573
Cases with history of International/Interstate travel	62734
Cases with history of contact	4997839

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

Total cases	5848
Cases with history of International/Interstate travel	12
Cases with history of contact	5495
Cases with no history of travel or contact	341

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

SI no.	District	Name	Place	Age	Gender	Death Date
1	Thiruvananthapuram	Muhammed rafi a	Nellanad	47	Male	06-11-2021
2	Thiruvananthapuram	Rajan k	Attingal	78	Male	03-11-2021
3	Thiruvananthapuram	Sudheer	Varkala	60	Male	27-10-2021
4	Kollam	Abooshahuman	Velinalloor	71	Male	23-10-2021
5	Kollam	Baby varghese	Kulakkada	80	Male	06-11-2021
6	Kollam	Bhaskaran pillai	Yeroor	73	Male	24-10-2021
7	Kollam	C n ramakrishna pillai	Nedumpana	75	Male	23-10-2021
8	Kollam	Earnest daniel	Kundara	77	Male	04-11-2021
9	Kollam	Kunjachan	Velinalloor	80	Male	09-11-2021
10	Kollam	Marykutty baby	Aryankavu	60	Female	09-11-2021
11	Kollam	O thomas	Thevalakkara	76	Male	28-10-2021
12	Kollam	Prema	Neduvathur	58	Female	12-11-2021
13	Kollam	Rasheeda beevi	Elampalloor	73	Female	27-10-2021
14	Alappuzha	Balakrishna pillai	Chengannur	75	Male	11-11-2021
15	Alappuzha	Bhaskaran	Kayamkulam	87	Male	07-11-2021
16	Alappuzha	Kochukesavan	Kayamkulam	84	Male	07-11-2021
17	Alappuzha	Remani	Kavalam	55	Female	11-11-2021
18	Alappuzha	Vasantha	Ala	52	Female	11-11-2021
19	Kottayam	Appukkuttan	Erumely	76	Male	11-11-2021
20	Kottayam	Chellamma	Elikkulam	65	Female	12-11-2021
21	Kottayam	Elizabeth	Puthuppally	75	Female	11-11-2021
22	Kottayam	Muraleedharamenon p n	Maravanthuruthu	76	Male	12-11-2021
23	Kottayam	Pankajakshmi amma	Thalayazham	91	Female	09-11-2021

24	Kottayam	Purushan	Udayanapuram	58	Male	09-11-2021
25	Kottayam	Raveendran nair t p	Kottayam	70	Male	03-11-2021
26	Kottayam	Renil thomas	Thidanadu	33	Male	08-11-2021
27	Ernakulam	Agnes rozario	Kochi	86	Female	13-11-2021
28	Ernakulam	J jeevanesan	Kalamassery	78	Male	19-10-2021
29	Ernakulam	Mary antony	Kochi	69	Female	11-11-2021
30	Ernakulam	Riza bava	Kochi	60	Male	13-09-2021
31	Ernakulam	Rosy	Edavanakad	89	Female	13-11-2021
32	Ernakulam	Seline thomas	Chendamangalam	74	Female	07-11-2021
33	Ernakulam	Sheela kuriakose	Nedumbassery	59	Female	07-11-2021
34	Ernakulam	V a joseph	Kadungalloor	55	Male	04-11-2021
35	Palakkad	Gopalan a	Pattambi	92	Male	09-11-2021
36	Palakkad	Joseph augasthy	Agali	80	Male	11-11-2021
37	Palakkad	Mohamoodha	Puduppariyaram	92	Female	14-11-2021
38	Palakkad	Omana	Mankara	45	Female	13-11-2021
39	Palakkad	Sainaba	Paruthur	71	Female	11-11-2021
40	Palakkad	Sukumaran	Mankara	50	Male	13-11-2021
41	Malappuram	Abdul rasheed	Kuttippuram	61	Male	10-11-2021
42	Malappuram	Ameer ali p m	Thenhippalam	62	Male	11-11-2021
43	Malappuram	Ayisha	Moorkanad	62	Female	13-11-2021
44	Kozhikode	Ramesh babu	Chelannur	61	Male	06-11-2021
45	Kozhikode	Sukumaran p	Kozhikode	89	Male	09-11-2021
46	Kasaragod	Devi	Trikaripur	76	Female	07-09-2021

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

Table 9. Summary of critical patients

Patients in ICUs	868
Patients on Ventilator support	365

*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	
38809951	15788464	77321	116553	810324	70054	32535	21921014	

Samples Sent	Routine + Sentinel Samples (PCR)	CB NAAT	True NAT	POCT PCR	RT LAMP	Antigen Assay
63463	44422	243	1308	3584	121	13785

Table 11. Details of new COVID-19 samples in the last 24 hours

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	31610	30221	1389	62
Kollam	18929	18558	371	47
Pathanamthitta	7211	6816	395	8
Alappuzha	9117	8974	143	23
Kottayam	28832	28377	455	0
Idukki	5433	5238	195	5
Ernakulam	34659	34009	650	36
Thrissur	16261	15949	312	43
Palakkad	7995	7797	198	28
Malappuram	13526	13256	270	16
Kozhikode	27111	26688	423	15
Wayanad	13369	13246	123	24
Kannur	7125	6878	247	41
Kasaragod	5464	5132	332	14
Total	226642	221139	5503	362

Mode of Travel	Cumulative number of Passengers
International airport	2393629
Total	2393629

Table 13. Summary of Travel surveillance 14/11/2021

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. *868* Mental Health Personnel including Psychiatrists, Psychiatric Social Workers, Clinical Psychologists, and Counsellors are working and have given psychosocial support.

No. of Psychosocial workers	868
Total Psychosocial support calls made to persons in quarantine/ isolation.	72,38,378
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	9,58,631
Total psychosocial support calls to health care workers	64,194
Total Psychosocial support calls received in helpline numbers	90,083
Total calls to all categories of Persons	1,30,45,335

Annexure-1: List of Hotspots as on 14/11/2021 Panchayaths and Urban Wards with WIPR >10			
Sl.No District LSG Ward No			
1	Thiruvananthapuram	Attingal (M)	3
$\frac{1}{2}$	Thiruvananthapuram	Nanniyode	5
3	Thiruvananthapuram	Panavoor	3
4	_	Vakkom	7
5	Thiruvananthapuram Pathanamthitta		18
		Thiruvalla (M)	
6	Pathanamthitta	Kottanad	12
7	Pathanamthitta	Thannithode	3
8	Pathanamthitta	Mallappally	13
9	Pathanamthitta	Iraviperoor	5
10	Ernakulam	Muvattuppuzha (M)	26
11	Ernakulam	North Paravur (M)	6
12	Ernakulam	Piravom (M)	10
13	Ernakulam	Thrikkakkara (M)	29
14	Ernakulam	Thrippunithura (M)	17, 28
15	Ernakulam	Amballur	4
16	Ernakulam	Avoli	9
17	Ernakulam	Chittattukara	18
18	Ernakulam	Kalloorkkadu	12
19	Ernakulam	Keerambra	5, 13
20	Ernakulam	Kottuvally	1
21	Ernakulam	Paingottur	6, 9
22	Ernakulam	Palakkuzha	6
23	Ernakulam	Pambakkuda	13
24	Ernakulam	Puthenvelikkara	13, 17
25	Ernakulam	Thirumadi	7
26	Ernakulam	Thuravur	2
27	Thrissur	Chavakkad (M)	6
28	Thrissur	Annamanada	3
29	Thrissur	Athirappally	2, 3, 6
30	Thrissur	Chazhoor	1
31	Thrissur	Edavilnagu	8
32	Thrissur	Mathilakom	7
33	Kozhikode	Keezhariyur	5
34	Kozhikode	Koodaranji	10
35	Wayanad	Kalppatta (M)	23

PART-V ANNEXURES

36	Wayanad	Mananthavady (M)	35
37	Wayanad	Sulthanbatheri (M)	9
38	Wayanad	Kottathara	1, 13
39	Wayanad	Vengappally	13
As per G.O(Rt) No.643/2021/DMD dated 18.09.2021			

DISTRICT WISE ABSTRACT

Sl. No	Name of District	WIPR (> 10)	
		No. of LSGs	No. of Wards
1	Thiruvananthapuram	4	4
2	Kollam	0	0
3	Pathanamthitta	5	5
4	Alappuzha	0	0
5	Kottayam	0	0
6	Idukki	0	0
7	Ernakulam	17	21
8	Thrissur	6	8
9	Palakkad	0	0
10	Malappuram	0	0
11	Kozhikkode	2	2
12	Wayanad	5	6
13	Kannur	0	0
14	Kasaragod	0	0
	Total	39	46

References
1.Thiruvanathapuram: DDMA/01/2020/COVID/H2 WIPR 12A dated 01.11.2021
2.Kollam: Nil
3.Pathanamthitta: DCPTA/1185/2020/DM5 dated 01.11.2021
4.Kottayam: Nil
5.Alappuzha: Nil
6.Idukki: Nil
7.Ernakulam: 3804/2020/D2 dated 02.11.2021

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8.Thirissur: DCTSR/H4/14476/2019 dated 01.11.2021	
9.Palakkad: Nil	
10.Malappuram: Nil	
11.Kozhikkode: DCKKD/4545/2020/F4 dated 31.10.2021	
12.Wayanad: DCWYD/2671/2021/DM5 dated 30.10.2021	
13.Kannur: Nil	
14.Kasaragod: Nil	

Annexure-2: 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
ldukki	18004255640, 0486 2232220, 2233118	18004255640, 04862233118
Kottayam	9188610014, 9188610016, 0481 2304800,	0481 256 7390
-	0481 2583200, 0481 2566100, 0481	
	2566700, 0481 2561300	
Ernakulam	0484 2368702, 0484 2368802, 0484	75940 46167
	2368902	
	Guest Control Room 9072303275,	
	9072303276	
	WhatsApp Number 9400021077	
Thrissur	9400066921, 9400066922, 9400066923	9400063430, 7034099935
Palakkad	0491 251 0580, 04912510583	0491251 0577, 8848902376
	0491 251 0575, 0491 251 0576, 251 0574	
Malappuram	0483 2737858, 0483 2737857,0483	0483 2952950
	2733251, 0483 2733252, 2733253	
Calicut	0495 2371471, 0495 2376063	75940-01419, 7594001485
	Collectorate 0495 2371002	
Kannur	0497 2700194, 2713437, 9400066062,	8281899687
	9400066616	
Wayanad	04936 202343, 04936 202375	9526831678
Kasaragod	9946000493, 9946000293	9645002811

Annexure-3: Table of links to documents, guidelines, and websites

Dashboard	https://dashboard.kerala.gov.in/
	<u>http://dhs.kerala.gov.in/ഡെയിലി-</u> ബുള്ളറ്റിന്%E2%80%8D/

Guidelines and Advisories	<u>http://dhs.kerala.gov.in/ജാഗ്രത-</u> നിര്%E2%80%8Dദേശങ്ങള്%E2%80%8D/
Awareness materials	https://www.dropbox.com/sh/l2h2n9hu737lea3/AAD43CHbe dUZa_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-4: 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	48723831553
Palakkad	4912533323
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