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**COVID-19 OUTBREAK CONTROL AND PREVENTION STATE CELL  
HEALTH & FAMILY WELFARE DEPARTMENT**

[www.dbs.kerala.gov.in](http://www.dbs.kerala.gov.in)

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**KeralaHEALTH-COVID-19 DAILY VACCINATION BULLETIN**

**Date: 28/04/2022**

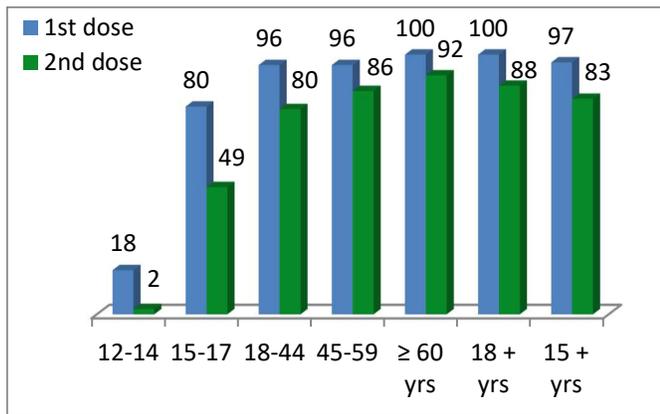
**OUR HEALTH OUR RESPONSIBILITY  
VACCINE ADVISORY**

- People who are vaccinated with Covid Vaccine are reported to have reduced Covid related ICU admissions, serious disease and death.
- Early vaccination is useful to safeguard our life from this deadly disease.
- Vaccination sessions are planned as per the availability of vaccine. All are requested to cooperate.
- After receiving the first dose, second dose of Covishield vaccine is to be taken between 12–16weeks and second dose of Covaxin between 4-6 weeks.
- Covid vaccination is currently available to all above 15 years. Children in 15-18 age group will get Covaxin.
- Health Staffs, Frontline workers and people above 60 years with co-morbidities will get precaution dose after 9 months or 39 weeks from the second dose. The Same vaccine administered as first and second dose is to be taken as precaution dose. People above 60 years with co-morbidities should take medical advice before receiving precaution dose.
- Vaccination is available free of cost in all Government covid vaccination centers, and at a nominal rate (as per the GoI order F.No.2079203/2021/Immunization) in selected private Hospitals.
- **ENSURE ALL YOUR ELIGIBLE FAMILY MEMBERS ARE PROTECTED BY RECEIVING ANY OF THE AVAILABLE COVID VACCINE.**
- **“BOTH COVAXIN AND COVISHIELD ARE EQUALLY EFFECTIVE AND SAFE”**
- **“BE FULLY PROTECTED – GET THE SECOND DOSE AT YOUR SCHEDULED TIME”**

## ANALYSIS

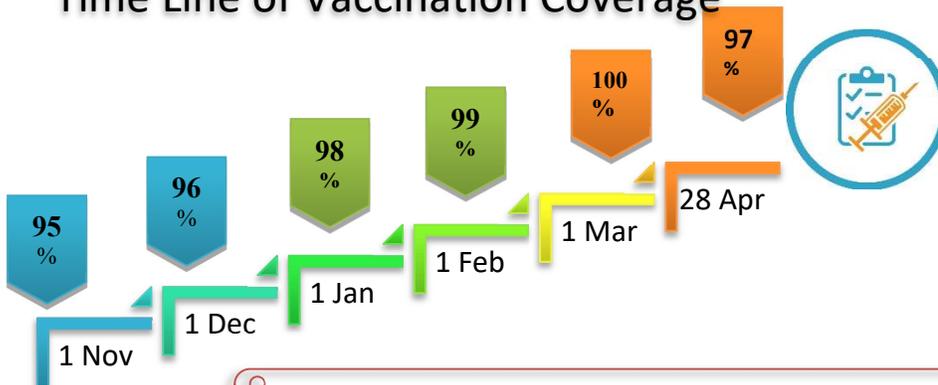
COVID-19 mass vaccinations are showing signs of preventing illness and steep decline in cases and hospital admissions in countries which done vaccination. Kerala started its vaccination for health care workers from January 16, 2021. The COVID-19 Vaccines Operational Guidelines issued by the Ministry of Health and Family Welfare, Govt. of India, 28th December 2020 and all subsequent Guidelines issued by Ministry of Health and Family Welfare, Govt of India are followed at the sites and all vaccination lanes

## Summary of COVID Vaccine Administered as on 28-04-2022 midnight



- 97%** of eligible population vaccinated with a single dose till April 28
- 83%** of eligible population vaccinated with double dose till April 28
- State has vaccinated about **80%** of children aged 15 - 17 years with a single dose

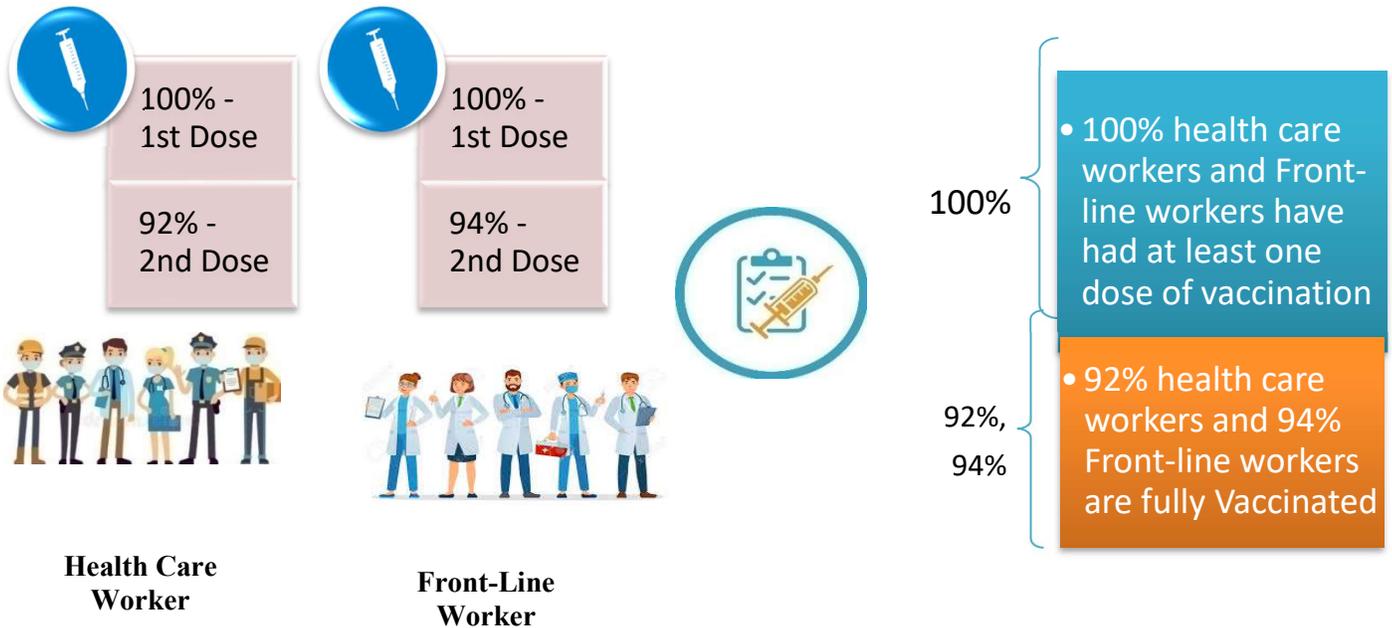
## Time Line of Vaccination Coverage



Kerala began administration of COVID 19 Vaccines on 16<sup>th</sup> January, 2021. As of 28<sup>th</sup> April 2022, Kerala has administered over 54 million doses overall, including first and second doses of vaccines.

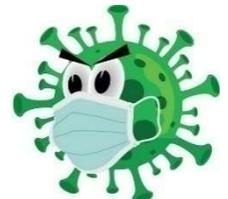
**Over 97 per cent of the eligible population (15 + years) in Kerala has been administered the first dose of the Covid-19 vaccine. The state has achieved the target within 474 days since the beginning of the vaccination drive on January 16, 2021**

# Health Care Workers & Front-line Workers Vaccinated

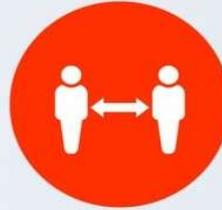


## Are You Vaccinated? You Still Need to Practice:

- Even after vaccination, follow COVID appropriate behavior
- Practice Social Distancing and greet without physical contact
- Always wear clean face mask
- Wash your hands thoroughly and frequently or use hand sanitizer
- Follow the current COVID 19 guidelines to prevent further spread
- Stay Safe. Stay Strong. Get Vaccinated



Even After Getting Vaccinated Keep Taking Precautions to Protect Your Self

			
<b>GET VACCINATED</b>	<b>WASH YOUR HANDS</b>	<b>WEAR A MASK</b>	<b>KEEP YOUR DISTANCE</b>

# The Race Towards Full Vaccination - Weekly Trend

16<sup>th</sup> – 22<sup>nd</sup> April 2022

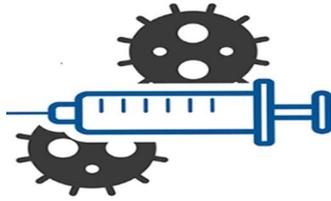
Kerala Administered over

## 0.62 Lakh

COVID Vaccine Doses

in the last 7 days

(16<sup>th</sup> – 22<sup>nd</sup> April, 2022)



From 16<sup>th</sup> – 22<sup>nd</sup> April, 2022 on average

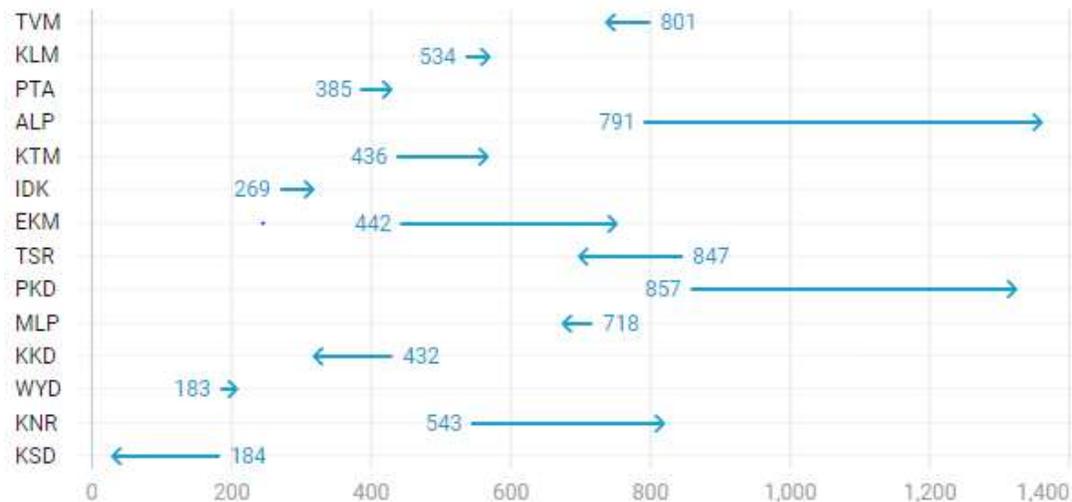
## 0.08 lakh

doses were administered daily.

Average Doses Administered Per day per week (in 1000)



Trend in average per day vaccination for the last two weeks



# Race Against Time – Vaccination Quarterly Status

(Q1:16<sup>th</sup> Jan-Mar, Q2: Apr-June, Q3: July-Sep, Q4: Oct - Dec)

## Daily Average Doses Administered per Quarter

In the first Quarter, only 42201 first doses and 5324 second doses were administered daily on average. During the second, third and fourth quarters, the daily vaccination of the first and second doses increased significantly.



## Vaccination Achievement per Quarter

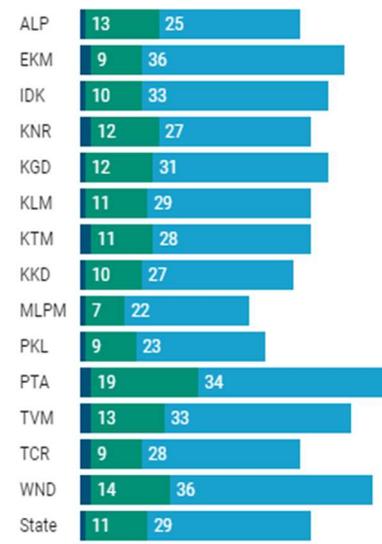
In the third quarter of the immunization drive, 52% of the eligible population (18 + age) in Kerala were given the first dose and 29% the second dose.

■ Q1 ■ Q2 ■ Q3

### First Dose

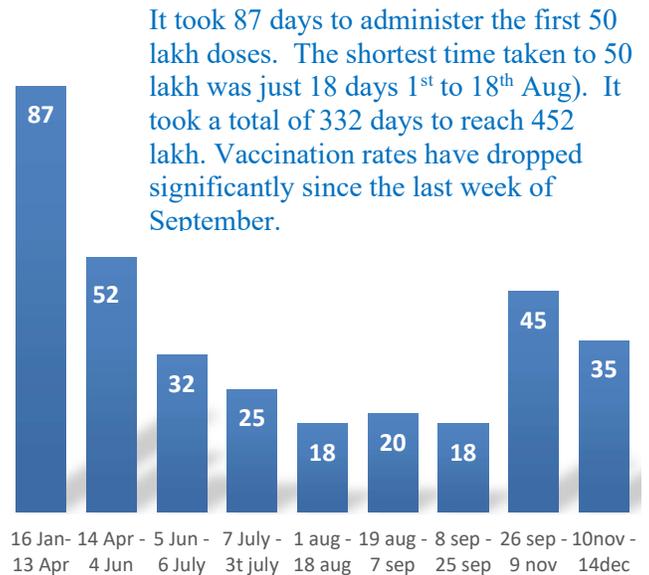


### Second Dose



## Dose Progression

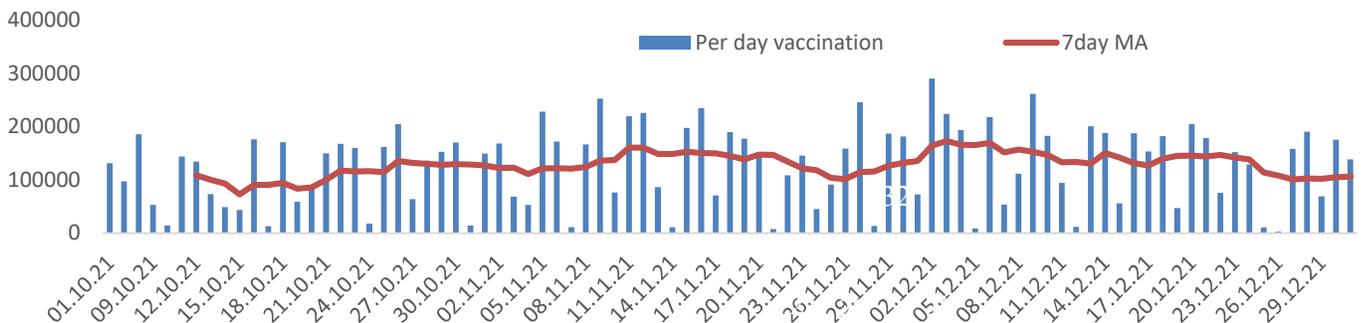
The chart shows the days taken for total COVID-19 Vaccination doses (both first and second) in Kerala to cross every 50 lakh dose mark



It took 87 days to administer the first 50 lakh doses. The shortest time taken to 50 lakh was just 18 days 1<sup>st</sup> to 18<sup>th</sup> Aug). It took a total of 332 days to reach 452 lakh. Vaccination rates have dropped significantly since the last week of September.

## Vaccine Administered per Day and 7 days Moving Average in Last Quarter (Oct -Dec)

The seven-day moving average of daily doses in the last quarter showed a peak on December 2<sup>nd</sup> and continued to fluctuate thereafter



## Important Message to the Public

- a. *Infection or infection rate is only a part and disease manifestation of disease is to be monitored*
- b. *Fatality among vaccinated people is very less. Disease severity among vaccinated people is less.*
- c. *People with comorbidity should be careful. Once detected covid positive they should get admitted and do not stay at home.*
- d. *Death among non-vaccinated people, especially people with comorbidity is because of late arrival in hospitals*
- e. *Diabetes and Hypertension together is the most common cause of patient death if they arrive late.*
- f. *Vaccinated people, only if symptomatic are advised to consult Doctor.*
- g. *Non Vaccinated people, if symptomatic, may do RTPCR test*
- h. *Antigen testing is only for emergency purpose*
- i. *Non vaccinated people with co-morbidities to do testing by RTPCR and consult doctor*
- j. *Repeat RTPCR is not needed among the people who are detected COVID positive in the previous 2 months*
- k. *All young person detected positive and at home isolation should do glucose test*

TABLE1.Total Vaccination done in the State as on 28/04/2022 midnight

State Summary (15+ years)-Total doses administered till 29/4/2022 at 12 AM								
District	Target	First Dose	Percent age	Second Dose	Percent age*	Precaution Dose	Percentage	Total doses administered
Alappuzha	1829568	1704462	93%	1570546	86%	135144	33%	3,410,152
Ernakulam	3217878	3227923	100%	2739269	85%	154200	24%	6,121,392
Idukki	950762	941658	99%	783015	82%	32530	17%	1,757,203
Kannur	2100307	2122409	101%	1860099	89%	115309	25%	4,097,817
Kasaragod	1092141	1022784	94%	852386	78%	41447	18%	1,916,617
Kollam	2268371	2176656	96%	1876451	83%	118729	27%	4,171,836
Kottayam	1704500	1633510	96%	1428922	84%	108069	29%	3,170,501
Kozhikode	2746273	2620125	95%	2170901	79%	102171	20%	4,893,197
Malappuram	3386535	3324085	98%	2596484	77%	83798	18%	6,004,367
Palakkad	2349082	2298973	98%	1964275	84%	115174	30%	4,378,422
Pathanamthitta	1118564	1139574	102%	960922	86%	110507	32%	2,211,003
Thiruvananthapuram	2914006	2820114	97%	2433570	84%	184754	29%	5,438,438
Thrissur	2767777	2587336	93%	2371193	86%	166168	32%	5,124,697
Wayanad	716933	730835	102%	629255	88%	33814	18%	1,393,904
<b>Grand Total</b>	<b>29,162,697</b>	<b>28,350,444</b>	<b>97%</b>	<b>24,237,288</b>	<b>83%</b>	<b>1,501,814</b>	<b>26%</b>	<b>54,089,546</b>

TABLE2.Covid-19 Vaccination Center Functional in the State as on 28/04/2022 midnight

DISTRICTS	12+	15+	18+	Total
Alappuzha	1	1	88	90
Ernakulam	6	6	33	45
Idukki	9	4	15	28
Kannur	13	7	21	41
Kasaragod	33	15	51	99
Kollam	8	16	17	41
Kottayam	28	13	23	64
Kozhikode	3	3	18	24
Malappuram	10	11	30	51
Palakkad	9	6	26	41
Pathanamthitta	13	10	19	42
Thiruvananthapuram	0	122	12	134
Thrissur	3	1	20	24
Wayanad	1	1	4	6
<b>GrandTotal</b>	<b>137</b>	<b>216</b>	<b>377</b>	<b>730</b>

TABLE3. Health Care Workers Coverage as on 28/04/2022 midnight

<b>DISTRICT</b>	<b>1st DOSE</b>	<b>2nd Dose</b>	<b>% fully vaccinated</b>	<b>Precaution dose</b>	<b>Precaution dose (%) *</b>
Alappuzha	29022	27219	94%	12975	53%
Ernakulam	85566	75761	89%	30077	44%
Idukki	13554	12999	96%	5501	47%
Kannur	40388	37518	93%	17621	52%
Kasaragod	11610	10807	93%	4639	48%
Kollam	36036	33800	94%	14370	49%
Kottayam	38706	36290	94%	16168	50%
Kozhikode	52734	47930	91%	17171	41%
Malappuram	44834	41976	94%	16789	48%
Palakkad	34674	32003	92%	15101	53%
Pathanamthitta	29336	25071	85%	11160	49%
Thiruvananthapuram	73423	66355	90%	25834	45%
Thrissur	51909	49170	95%	25346	57%
Wayanad	13978	13286	95%	6195	51%
<b>Grand Total</b>	<b>555770</b>	<b>510185</b>	<b>92%</b>	<b>218947</b>	<b>48%</b>

1st Dose coverage for HCW is 100%

\*Proportion of beneficiaries who are eligible ( completed 9 months after 2nd dose )

TABLE4. Frontline workers Coverage as on 28/04/2022 midnight

<b>DISTRICT</b>	<b>1st dose</b>	<b>2nd Dose</b>	<b>% fully vaccinated</b>	<b>Precaution dose</b>	<b>Precaution dose(%) *</b>
Alappuzha	39128	36737	94%	12475	38%
Ernakulam	54934	50324	92%	17118	39%
Idukki	22993	21329	93%	5000	29%
Kannur	41381	39957	97%	11530	32%
Kasaragod	24615	22462	91%	5983	30%
Kollam	42235	38806	92%	9594	29%
Kottayam	32141	30594	95%	10349	37%
Kozhikode	55273	52542	95%	8597	19%
Malappuram	53913	51248	95%	12261	28%
Palakkad	48096	45520	95%	15114	37%
Pathanamthitta	25249	22519	89%	6543	33%
Thiruvananthapuram	72998	67593	93%	19656	36%
Thrissur	41904	40723	97%	16533	46%
Wayanad	17021	16089	95%	3858	27%
<b>Grand Total</b>	<b>571881</b>	<b>536443</b>	<b>94%</b>	<b>154611</b>	<b>33%</b>

1st Dose coverage for FLW is 100%

\*Proportion of beneficiaries who are eligible ( completed 9 months after 2nd dose )

TABLE5.Age-Appropriate Group (45-59 Years) Coverage as on 28/04/2022 midnight

<b>Table 5: Age appropriate group (45-59 years) coverage</b>							
<b>45-59 years Coverage as on 29/04/2022 at 12 AM</b>							
<b>District</b>	<b>Target</b>	<b>1st Dose Coverage</b>	<b>Percentage</b>	<b>2nd Dose Coverage</b>	<b>Percentage fully vaccinated</b>	<b>Precaution dose</b>	<b>%</b>
Alappuzha	535436	438818	82%	415407	78%	1193	1%
Ernakulam	809349	783437	97%	701162	87%	4822	3%
Idukki	237564	246927	104%	218871	92%	197	0%
Kannur	527295	515718	98%	479150	91%	1095	1%
Kasaragod	253027	252160	100%	223608	88%	149	0%
Kollam	541201	559916	103%	501521	93%	1180	1%
Kottayam	478470	414068	87%	373882	78%	1345	1%
Kozhikode	658949	654695	99%	580160	88%	1162	1%
Malappuram	733338	722694	99%	626309	85%	651	0%
Palakkad	614226	547083	89%	498457	81%	1456	1%
Pathanamthitta	264372	281742	107%	251412	95%	1080	1%
Thiruvananthapuram	735836	681450	93%	612448	83%	3577	2%
Thrissur	689418	663828	96%	623741	90%	3877	3%
Wayanad	170537	177120	104%	164186	96%	109	0%
<b>Grand Total</b>	<b>7249018</b>	<b>6,939,656</b>	<b>96%</b>	<b>6,270,314</b>	<b>86%</b>	<b>21893</b>	<b>1%</b>

TABLE6.Age-Appropriate Group (≥60 Years) Coverage as on 28/04/2022midnight

<b>Table 6: Age appropriate group (≥ 60 years) coverage</b>							
<b>≥ 60 years Coverage as on 29/04/2022 at 12 AM</b>							
<b>District</b>	<b>Target</b>	<b>1st Dose Coverage</b>	<b>Percentage</b>	<b>2nd Dose Coverage</b>	<b>Percentage fully vaccinated</b>	<b>Precaution dose</b>	<b>%</b>
Alappuzha	424565	428897	101%	400155	94%	108350	49%
Ernakulam	673885	676090	100%	619618	92%	101410	32%
Idukki	193981	194534	100%	172807	89%	21810	25%
Kannur	438602	444387	101%	411999	94%	84929	40%
Kasaragod	182460	181674	100%	160143	88%	30658	31%
Kollam	497558	499401	100%	454313	91%	93429	42%
Kottayam	418008	419566	100%	383492	92%	80043	41%
Kozhikode	526896	529038	100%	479213	91%	75099	33%
Malappuram	477642	488015	102%	433579	91%	54024	29%
Palakkad	437708	439717	100%	401258	92%	83428	45%
Pathanamthitta	311297	312136	100%	280336	90%	91527	48%
Thiruvananthapuram	630465	632879	100%	570555	90%	135443	43%
Thrissur	581781	587955	101%	557028	96%	119998	45%
Wayanad	128009	128283	100%	114288	89%	23642	29%
<b>Grand Total</b>	<b>5922857</b>	<b>5,962,572</b>	<b>101%</b>	<b>5,438,784</b>	<b>92%</b>	<b>1,103,790</b>	<b>39%</b>

TABLE 6. Age-Appropriate Group (18-44 Years) Coverage as on 28/04/2022 midnight

18-44 years Coverage as on 28/04/2022 at 12 AM								
District	Target	First Dose						
		1st Dose Coverage	Percentage	2nd Dose Coverage	Percentage fully vaccinated	Precaution dose	%	
Alappuzha	744178	669136	90%	628112	84%	151	1%	
Ernakulam	1470864	1508355	103%	1218399	83%	773	2%	
Idukki	437537	419017	96%	331368	76%	22	0%	
Kannur	947964	964045	102%	821750	87%	134	1%	
Kasaragod	556876	500715	90%	405462	73%	18	0%	
Kollam	1054752	931596	88%	784881	74%	156	1%	
Kottayam	665544	654478	98%	562242	84%	164	1%	
Kozhikode	1313678	1219325	93%	957537	73%	142	1%	
Malappuram	1777378	1827245	103%	1370167	77%	73	0%	
Palakkad	1088327	1085133	100%	905257	83%	75	0%	
Pathanamthitta	460819	442718	96%	353064	77%	197	1%	
Thiruvananthapuram	1309099	1246844	95%	1054360	81%	244	1%	
Thrissur	1274465	1096837	86%	1012346	79%	414	2%	
Wayanad	361152	354224	98%	300177	83%	10	0%	
<b>Grand Total</b>	<b>13462633</b>	<b>12,919,668</b>	<b>96%</b>	<b>10,705,122</b>	<b>80%</b>	<b>2573</b>	<b>1%</b>	
*Among those who have taken first dose								

TABLE 7. Age-Appropriate Group (15-17 Years) Coverage as on 28/04/2022 midnight

15-17 years Coverage as on 29/04/2022 at 12 AM					
District	Target	1st Dose Coverage	Percentage	2nd Dose Coverage	Percentage fully vaccinated
Alappuzha	80832	76695	95%	58844	73%
Ernakulam	172307	110779	64%	73873	43%
Idukki	51339	35642	69%	25269	49%
Kannur	97722	99093	101%	67578	69%
Kasaragod	60496	48515	80%	29486	49%
Kollam	105234	94698	90%	62892	60%
Kottayam	85400	64388	75%	42191	49%
Kozhikode	143028	105996	74%	53318	37%
Malappuram	241212	177043	73%	72549	30%
Palakkad	132742	113812	86%	76257	57%
Pathanamthitta	48854	38955	80%	28112	58%
Thiruvananthapuram	145238	100513	69%	61646	42%
Thrissur	123540	120725	98%	84922	69%
Wayanad	29245	34513	118%	20647	71%
<b>Grand Total</b>	<b>1,517,189</b>	<b>1,221,367</b>	<b>80%</b>	<b>757,584</b>	<b>49%</b>

Table 8: Age appropriate group (12-14 years) Coverage as on 28/04/2022midnight

12-14 years Coverage as on 29/4/2022 at 12 AM					
District	Target	1st Dose Coverage	Percentage	2nd Dose Coverage	Percentage fully vaccinated
Alappuzha	43284	22766	53%	4072	9%
Ernakulam	90244	8762	10%	132	0%
Idukki	29672	8991	30%	372	1%
Kannur	89079	17397	20%	2147	2%
Kasaragod	39968	3495	9%	418	1%
Kollam	69984	12774	18%	238	0%
Kottayam	55571	10163	18%	231	0%
Kozhikode	103644	3064	3%	201	0%
Malappuram	159652	10341	6%	656	0%
Palakkad	75249	30458	40%	5523	7%
Pathanamthitta	33203	9438	28%	408	1%
Thiruvananthapuram	93804	12007	13%	613	1%
Thrissur	99789	24178	24%	3263	3%
Wayanad	27857	5696	20%	582	2%
<b>Grand Total</b>	<b>10,11,000</b>	<b>179,530</b>	<b>18%</b>	<b>18,856</b>	<b>2%</b>

TABLE9.State Summary (18+) as on 28/04/2022 midnight

State Summary (18+) 29-04-2022 at 12 AM							
District	Target	First Dose	Percentage	Second Dose	Percentage*	Precaution Dose	Percentage
Alappuzha	1704179	1605001	94%	1507630	88%	135144	33%
Ernakulam	2954098	3108382	105%	2665264	90%	154200	24%
Idukki	869082	897025	103%	757374	87%	32530	17%
Kannur	1913861	2005919	105%	1790374	94%	115309	25%
Kasaragod	992363	970774	98%	822482	83%	41447	18%
Kollam	2093511	2069184	99%	1813321	87%	118729	27%
Kottayam	1562022	1558959	100%	1386500	89%	108069	29%
Kozhikode	2499523	2511065	100%	2117382	85%	102171	20%
Malappuram	2988358	3136701	105%	2523279	84%	83798	18%
Palakkad	2140261	2154703	101%	1882495	88%	115174	30%
Pathanamthitta	1036488	1091181	105%	932402	90%	110507	32%
Thiruvananthapuram	2675400	2707594	101%	2371311	89%	184754	29%
Thrissur	2545664	2442433	96%	2283008	90%	166168	32%
Wayanad	659698	690626	105%	608026	92%	33814	18%
<b>Grand Total</b>	<b>2,66,34,508</b>	<b>26,949,547</b>	<b>101%</b>	<b>23,460,848</b>	<b>88%</b>	<b>1501814</b>	<b>26%</b>

\*Revised target population(> 18 years) as per MOHFW is 2.67 crores

\*As per letter from Additional Secretary MOHFW- D O No 2317579/2021/Imm dated 15/09/2021

TABLE 10. Achievement for the day 28/04/2022 midnight

Daily achievement 29-04-2022				
District	First Dose	Second Dose	Precaution dose	Total Doses Administered
Alappuzha	169	870	3372	4411
Ernakulam	537	709	2547	3793
Idukki	584	323	363	1270
Kannur	964	681	1474	3119
Kasaragod	337	320	275	932
Kollam	572	622	764	1958
Kottayam	1382	574	1226	3182
Kozhikode	236	456	959	1651
Malappuram	420	1011	1275	2706
Palakkad	628	1094	1714	3436
Pathanamthitta	355	509	1261	2125
Thiruvananthapuram	920	1798	967	3685
Thrissur	136	140	718	994
Wayanad	100	153	193	446
<b>Grand Total</b>	<b>7340</b>	<b>9260</b>	<b>17108</b>	<b>33708</b>

\*\* Vaccine stock details couldn't be downloaded from e-VIN portal as the portal is down.

TABLE11.COVID Vaccination related sites

<a href="mailto:support@cowin.gov.in">support@cowin.gov.in</a> <a href="https://www.cowin.gov.in/home">https://www.cowin.gov.in/home</a> <a href="https://dashboard.kerala.gov.in/">https://dashboard.kerala.gov.in/</a> <a href="https://dhs.kerala.gov.in/https://aogyakeralam.gov.in/https://sha.kerala.gov.in/">https://dhs.kerala.gov.in/https://aogyakeralam.gov.in/https://sha.kerala.gov.in/</a>
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TABLE10.COVID Vaccination related Helpline numbers

National/State/District	Line1	Line2	Line3
National Helpline	1075	+91 1123978046	0120 4473222
Disha	1056	04712552056	
StateCallCenter	04712309251	04712309252	04712309255
Thiruvananthapuram	9188610100	1077	
Kollam	04742797609	8589015556	
Pathanamthitta	04682222515	04682228220	
Alappuzha	04772239999		
Kottayam	04812565200	04812304800	04812581900
Idukki	18004255640	04862232220	04862233118
Ernakulam	9072303861		
Thrissur	9400066921	9400066922	9400066923
Palakkad	04912505264	04912505189	8943341439
Malappuram	04832733253	04832737858	04832733252
Kozhikode	7594001442		
Wayanad	04936202343	04936202375	9072510900
Kannur	04972700194		
Kasargod	9061076590	9061079244	9061078026