State Control Room,
Directorate of Public Health and Preventive Medicine
Health and Family Welfare Department, Government of Tamil Nadu

Media Bulletin 05.10.2022

Daily report on Public Health measures taken for COVID-19

S.No	Description	Details
1	Number of COVID -19 testing facilities	347 (78 Govt+ 269 Private)
2	Number of active cases till yesterday	5,256
3	Number of persons tested positive today	421
4	Number of COVID-19 positive patients discharged following treatment today	505
5	Total number of deaths today	0
6	Number of active cases as on today	5,172

Directorate of Public Health and Preventive Medicine

S.NO	COVID-19 STATISTICS	DETAILS
1	Number of active cases on date (Including isolation)	5,172
2	Number of persons tested positive today in Tamil Nadu	421
3	Total Number of persons tested positive till date	35,85,427
4	Total Number of samples tested by RT-PCR today/ till date*	13,100/ 6,94,93,014[@]
5	Total Number of Persons tested by RT-PCR today/ till date	12,932/ 6,82,73,940
6	No. of Male / Female / Transgender tested positive today	245/176/0
7	No. of Male / Female / Transgender tested positive till date	20,90,585/14,94,804/38
8	Number of functioning COVID -19 testing facilities in Tamil Nadu	347 (78 Govt+ 269 Private)
9	Number of COVID-19 positive patients discharged following treatment today/ till date	505/ 35,42,208
10	Total number of deaths today/ till date	0 (0 Private & 0 Govt) /38,047

*Tamil Nadu doesn't use Rapid Antigen Diagnostic Tests (RADT).

[@]There may be a difference in number of sample tested given here in the media bulletin and the ICMR portal in view of time-lag between test conducted, results declared that are shared in real time basis by the labs to the state and the districts and the time taken for the data updation in the ICMR portal.

WGS is done to identify SARS-CoV-2 variants as a part of ongoing surveillance only on a sample of cases as per INSACOG guidelines and these results will be shared separately from time to time as and when updated, as these results are not expected on day to day basis.

Directorate of Public Health and Preventive Medicine

District-wise abstract of cases including active cases, discharges and death* on 05/10/2022

Sl. No	District	Persons under Treatment including Home Treatment till yesterday	New Cases Today	Cases Discharged Today	Death	Persons under Treatment including Home Treatment as on today
1	Ariyalur	15	1	3	0	13
2	Chengalpattu	374	37	54	0	357
3	Chennai	2337	92	104	0	2325
4	Coimbatore	317	26	43	0	300
5	Cuddalore	89	8	8	0	89
6	Dharmapuri	24	1	2	0	23
7	Dindigul	89	11	16	0	84
8	Erode	169	17	18	0	168
9	Kallakurichi	4	2	0	0	6
10	Kancheepuram	26	13	23	0	16
11	Kanyakumari	207	24	26	0	205
12	Karur	23	1	1	0	23
13	Krishnagiri	179	20	23	0	176
14	Madurai	76	11	9	0	78
15	Mayiladuthurai	51	2	5	0	48
16	Nagapattinam	19	2	3	0	18
17	Namakkal	49	2	10	0	41
18	Nilgiris	40	6	7	0	39
19	Perambalur	32	1	2	0	31
20	Pudukottai	27	4	4	0	27
21	Ramanathapuram	14	0	1	0	13
22	Ranipet	65	16	12	0	69
23	Salem	149	16	16	0	149
24	Sivagangai	50	4	4	0	50
25	Tenkasi	43	5	4	0	44
26	Thanjavur	51	5	4	0	52
27	Theni	14	0	1	0	13
28	Thirupathur	8	2	1	0	9
29	Thiruvallur	70	18	28	0	60
30	Thiruvannamalai	25	3	6	0	22
31	Thiruvarur	12	1	1	0	12
32	Thoothukudi	82	9	7	0	84
33	Tirunelveli	112	14	10	0	116
34	Tiruppur	93	8	14	0	87
35	Trichy	87	10	7	0	90
36	Vellore	37	4	1	0	40
37	Villupuram	76	13	8	0	81
38	Virudhunagar	116	12	19	0	109
39	Airport Surveillance (International)	4	0	0	0	4
40	Airport Surveillance (Domestic)	1	0	0	0	1
41	Railway Surveillance	0	0	0	0	0
	Grand Total	**5,256**	**421**	**505**	**0**	**5,172**

*The district-wise active cases and discharges will vary with yesterday's bulletin due to cross notification.

District wise abstract of COVID-19 positive cases* (05/10/2022)

Sl. No	District	Indigenous Cases		Imported Cases		Total cases till Date
		Till 04.10.2022	On 05.10.2022	Till 04.10.2022	On 05.10.2022	
1	Ariyalur	20235	1	20	0	20256
2	Chengalpattu	252799	37	5	0	252841
3	Chennai	790857	92	48	0	790997
4	Coimbatore	340468	26	51	0	340545
5	Cuddalore	75657	8	206	0	75871
6	Dharmapuri	36624	1	216	0	36841
7	Dindigul	39005	11	77	0	39093
8	Erode	136248	17	94	0	136359
9	Kallakurichi	36535	2	404	0	36941
10	Kancheepuram	98155	13	4	0	98172
11	Kanyakumari	90000	24	126	0	90150
12	Karur	30221	1	47	0	30269
13	Krishnagiri	62103	20	244	0	62367
14	Madurai	92980	11	175	0	93166
15	Mayiladuthurai	27363	2	39	0	27404
16	Nagapattinam	25952	2	54	0	26008
17	Namakkal	69644	2	112	0	69758
18	Nilgiris	42840	6	44	0	42890
19	Perambalur	14918	1	3	0	14922
20	Pudukottai	35224	4	35	0	35263
21	Ramanathapuram	24869	0	135	0	25004
22	Ranipet	56500	16	49	0	56565
23	Salem	131228	16	438	0	131682
24	Sivagangai	25030	4	117	0	25151
25	Tenkasi	33881	5	58	0	33944
26	Thanjavur	93521	5	22	0	93548
27	Theni	51804	0	45	0	51849
28	Thirupathur	35971	2	118	0	36091
29	Thiruvallur	153414	18	10	0	153442
30	Thiruvannamalai	67974	3	399	0	68376
31	Thiruvarur	48936	1	38	0	48975
32	Thoothukudi	67021	9	275	0	67305
33	Tirunelveli	65634	14	427	0	66075
34	Tiruppur	132137	8	16	0	132161
35	Trichy	98028	10	77	0	98115
36	Vellore	55757	4	2363	0	58124
37	Villupuram	56185	13	174	0	56372
38	Virudhunagar	59428	12	104	0	59544
39	Airport Surveillance (International)	0	0	1396	0	1396
40	Airport Surveillance (Domestic)	0	0	1167	0	1167
41	Railway Surveillance	0	0	428	0	428
	Grand Total	**35,75,146**	**421**	**9,860**	**0**	**35,85,427**

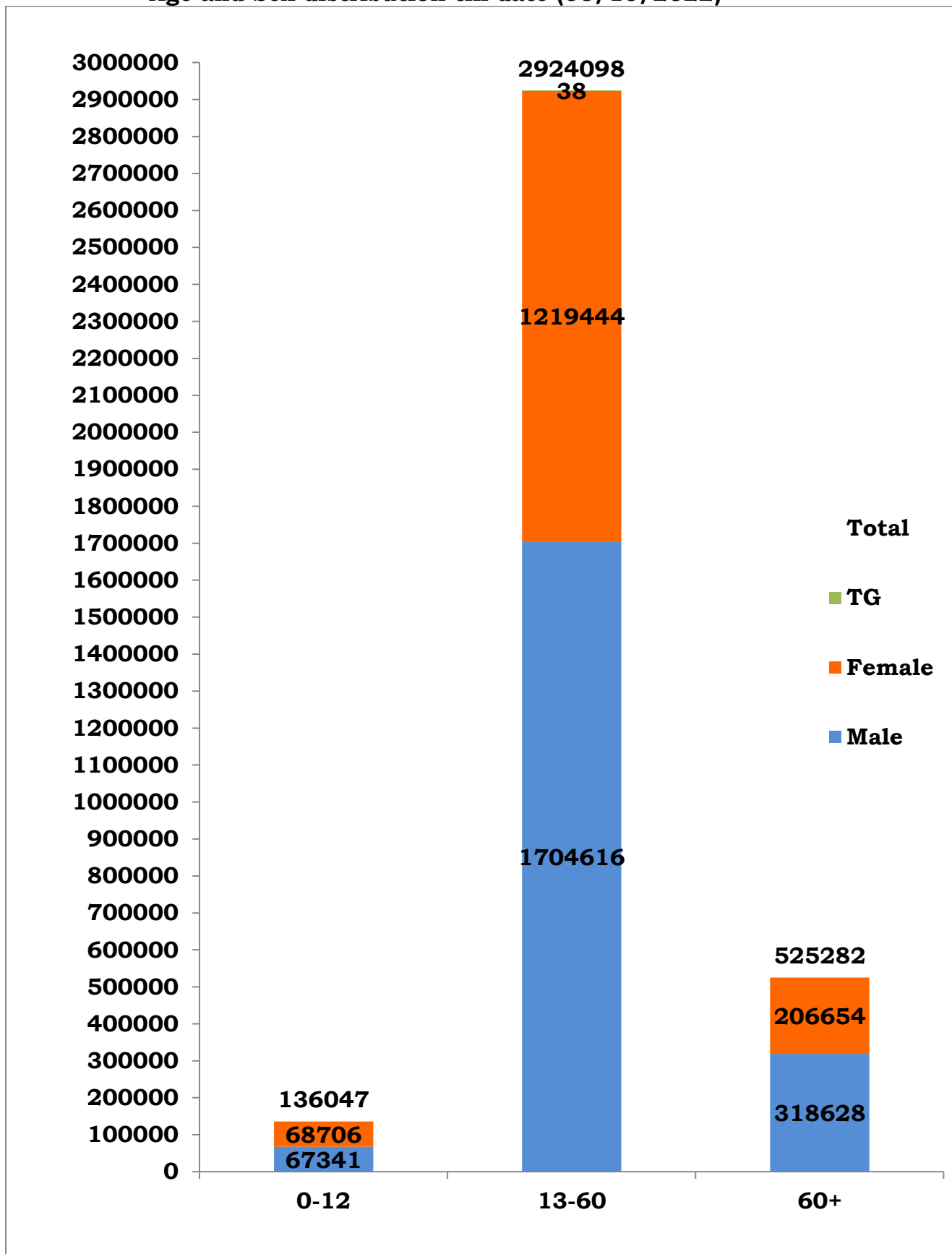*Note: Figures are reconciled to the respective districts based on detailed epidemiological investigation.

District wise Positivity rate as per RT-PCR monitoring report as on 04/10/2022

Sl. No	District	Positive	Tested	Positivity
1	Ariyalur	1	94	**1.1**
2	Chengalpattu	38	666	**5.7**
3	Chennai	95	3155	**3.0**
4	Coimbatore	29	673	**4.3**
5	Cuddalore	9	190	**4.7**
6	Dharmapuri	2	196	**1.0**
7	Dindigul	11	468	**2.4**
8	Erode	16	353	**4.5**
9	Kallakurichi	3	119	**2.5**
10	Kancheepuram	14	434	**3.2**
11	Kanyakumari	21	432	**4.9**
12	Karur	2	132	**1.5**
13	Krishnagiri	22	345	**6.4**
14	Madurai	13	363	**3.6**
15	Mayiladuthurai	1	160	**0.6**
16	Nagapattinam	1	347	**0.3**
17	Namakkal	3	124	**2.4**
18	Nilgiris	6	127	**4.7**
19	Perambalur	1	105	**1.0**
20	Pudukottai	2	242	**0.8**
21	Ramanathapuram	0	75	**0.0**
22	Ranipet	14	210	**6.7**
23	Salem	19	485	**3.9**
24	Sivagangai	6	258	**2.3**
25	Tenkasi	3	129	**2.3**
26	Thanjavur	4	231	**1.7**
27	Theni	1	112	**0.9**
28	Thirupathur	1	169	**0.6**
29	Thiruvallur	18	401	**4.5**
30	Thiruvannamalai	5	238	**2.1**
31	Thiruvarur	0	55	**0.0**
32	Thoothukudi	14	288	**4.9**
33	Tirunelveli	15	219	**6.8**
34	Tiruppur	9	161	**5.6**
35	Trichy	12	384	**3.1**
36	Vellore	6	234	**2.6**
37	Villupuram	14	372	**3.8**
38	Virudhunagar	11	324	**3.4**
	Grand Total	**442**	**13070***	**3.4**

*Sample tested figure is based on address furnished at the time of test/sample given to the lab.
Actual District figure may have variation depending on field verification and cross notification if any.

Directorate of Public Health and Preventive Medicine

Age and Sex distribution till date (05/10/2022)

Age group	Male	Female	Total
0-12	67341	68706	136047
13-60	1704616	1219444	2924098
60+	318628	206654	525282

Legend: Total, TG, Female, Male

Note: 13-60 total label shows 38 (TG)

Tamil Nadu COVID 19 – District Wise Case Details* (05/10/2022)

Sl. No	District	Total Positive Cases	Discharged	Active Cases	Death
1	Ariyalur	20256	19976	13	267
2	Chengalpattu	252841	249824	357	2660
3	Chennai	790997	779602	2325	9070
4	Coimbatore	340545	337627	300	2618
5	Cuddalore	75871	74886	89	896
6	Dharmapuri	36841	36535	23	283
7	Dindigul	39093	38344	84	665
8	Erode	136359	135457	168	734
9	Kallakurichi	36941	36720	6	215
10	Kancheepuram	98172	96853	16	1303
11	Kanyakumari	90150	88859	205	1086
12	Karur	30269	29874	23	372
13	Krishnagiri	62367	61819	176	372
14	Madurai	93166	91852	78	1236
15	Mayiladuthurai	27404	27026	48	330
16	Nagapattinam	26008	25615	18	375
17	Namakkal	69758	69183	41	534
18	Nilgiris	42890	42625	39	226
19	Perambalur	14922	14642	31	249
20	Pudukottai	35263	34810	27	426
21	Ramanathapuram	25004	24622	13	369
22	Ranipet	56565	55709	69	787
23	Salem	131682	129769	149	1764
24	Sivagangai	25151	24882	50	219
25	Tenkasi	33944	33410	44	490
26	Thanjavur	93548	92455	52	1041
27	Theni	51849	51303	13	533
28	Thirupathur	36091	35449	9	633
29	Thiruvallur	153442	151440	60	1942
30	Thiruvannamalai	68376	67669	22	685
31	Thiruvarur	48975	48490	12	473
32	Thoothukudi	67305	66773	84	448
33	Tirunelveli	66075	65514	116	445
34	Tiruppur	132161	131021	87	1053
35	Trichy	98115	96864	90	1161
36	Vellore	58124	56921	40	1163
37	Villupuram	56372	55924	81	367
38	Virudhunagar	59544	58880	109	555
39	Airport Surveillance (International)	1396	1391	4	1
40	Airport Surveillance (Domestic)	1167	1165	1	1
41	Railway Surveillance	428	428	0	0
	Grand Total	**35,85,427**	**35,42,208**	**5,172**	**38,047**

**Note: Figures are reconciled to the respective districts based on detailed epidemiological investigation.

COVID 19 BED VACANCY DETAILS IN CHC /CDH AS ON 05/10/2022

S.No	Bed Occupancy Districtwise as of - 05/10/2022 District	Earmarked COVID beds			Today's Occupancy			Today's Vacancy			
		O2 Beds	Non O2 Beds	ICU Beds	O2 Beds	Non O2 Beds	ICU Beds	O2 Beds	Non O2 Beds	ICU Beds	Total Vacant Beds
1	Ariyalur	221	73	53	1	0	0	220	73	53	346
2	Chengalpattu	1743	2204	642	15	22	6	1728	2182	636	4546
3	Chennai	4159	2059	987	36	40	9	4123	2019	978	7120
4	Coimbatore	3537	2270	602	22	2	1	3515	2268	601	6384
5	Cuddalore	669	485	134	1	5	0	668	480	134	1282
6	Dharmapuri	198	199	65	2	0	0	196	199	65	460
7	Dindigul	731	773	175	0	9	1	731	764	174	1669
8	Erode	1372	901	341	0	2	0	1372	899	341	2612
9	Kallakurichi	217	147	49	0	0	0	217	147	49	413
10	Kancheepuram	1420	1238	166	8	16	3	1412	1222	163	2797
11	Kanyakumari	881	903	245	7	7	3	874	896	242	2012
12	Karur	645	182	97	0	3	0	645	179	97	921
13	Krishnagiri	835	241	154	1	0	1	834	241	153	1228
14	Madurai	1892	896	666	2	0	2	1890	896	664	3450
15	Mayiladuthurai	385	205	23	0	0	0	385	205	23	613
16	Nagapattinam	154	92	29	0	3	0	154	89	29	272
17	Namakkal	797	432	134	3	5	0	794	427	134	1355
18	Nilgiris	300	150	58	2	0	0	298	150	58	506
19	Perambalur	245	505	70	0	1	0	245	504	70	819
20	Pudukottai	510	533	112	0	0	1	510	533	111	1154
21	Ramanathapuram	456	416	82	1	1	0	455	415	82	952
22	Ranipet	468	238	18	0	0	0	468	238	18	724
23	Salem	1669	1170	493	9	6	0	1660	1164	493	3317
24	Sivagangai	787	567	130	3	1	0	784	566	130	1480
25	Tenkasi	203	175	44	0	0	0	203	175	44	422
26	Thanjavur	1019	1000	368	1	10	1	1018	990	367	2375
27	Theni	452	346	58	0	1	0	452	345	58	855
28	Thirupathur	547	229	56	0	0	0	547	229	56	832
29	Thiruvallur	1175	841	183	0	1	1	1175	840	182	2197
30	Thiruvannamalai	576	106	100	9	1	0	567	105	100	772
31	Thiruvarur	309	257	150	4	3	0	305	254	150	709
32	Thoothukudi	742	230	182	4	7	1	738	223	181	1142
33	Tirunelveli	338	554	112	0	4	0	338	550	112	1000
34	Tiruppur	967	650	307	0	2	0	967	648	307	1922
35	Trichy	1571	874	402	0	7	0	1571	867	402	2840
36	Vellore	584	282	125	5	0	3	579	282	122	983
37	Villupuram	192	113	32	1	1	0	191	112	32	335
38	Virudhunagar	698	274	153	0	4	0	698	270	153	1121
	Grand Total	**33664**	**22810**	**7797**	**137**	**164**	**33**	**33527**	**22646**	**7764**	**63937#**

*Source - https://tncovidbeds.tnega.org/

#The bed vacancies are communicated dynamically time to time from Districts

Directorate of Public Health and Preventive Medicine

COVID 19 BED VACANCY DETAILS IN CCC AS ON 05/10/2022

S.No	Bed Occupancy Districtwise as of - 05/10/2022	Earmarked COVID beds in CCC	Today's Occupancy	Today's Vacancy
1	Ariyalur	1088	0	1088
2	Chengalpattu	2030	0	2030
3	Chennai	1212	0	1212
4	Coimbatore	4883	0	4883
5	Cuddalore	2107	0	2107
6	Dharmapuri	600	0	600
7	Dindigul	751	0	751
8	Erode	30	0	30
9	Kallakurichi	1540	0	1540
10	Kancheepuram	1513	0	1513
11	Kanyakumari	270	0	270
12	Karur	501	0	501
13	Krishnagiri	480	0	480
14	Madurai	125	0	125
15	Mayiladuthurai	185	0	185
16	Nagapattinam	267	0	267
17	Namakkal	400	0	400
18	Nilgiris	237	0	237
19	Perambalur	443	0	443
20	Pudukottai	1090	0	1090
21	Ramanathapuram	300	0	300
22	Ranipet	1366	0	1366
23	Salem	1344	0	1344
24	Sivagangai	340	0	340
25	Tenkasi	267	0	267
26	Thanjavur	1916	0	1916
27	Theni	1540	0	1540
28	Thirupathur	575	0	575
29	Thiruvallur	720	0	720
30	Thiruvannamalai	290	0	290
31	Thiruvarur	909	0	909
32	Thoothukudi	754	0	754
33	Tirunelveli	1184	0	1184
34	Tiruppur	205	0	205
35	Trichy	2435	0	2435
36	Vellore	2254	0	2254
37	Villupuram	140	0	140
38	Virudhunagar	184	0	184
	Grand Total	**36475**	**0**	**36475#**

*Source - https://tncovidbeds.tnega.org/

#The bed vacancies are communicated dynamically time to time from Districts

Directorate of Public Health and Preventive Medicine

ABSTRACT OF FUNCTIONAL ICCC AS ON 05/10/2022

S.No	District	No Of ICCC functional	Total ICCC Beds available	Beds occupied
1	Ariyalur	6	180	0
2	Chengalpattu	8	240	0
3	Coimbatore	13	315	0
4	Cuddalore	13	390	0
5	Dharmapuri	8	240	0
6	Dindigul	14	396	0
7	Erode	14	420	0
8	Kallakurichi	9	270	0
9	Kancheepuram	6	128	0
10	Kanyakumari	9	270	0
11	Karur	8	240	0
12	Krishnagiri	10	300	0
13	Madurai	13	390	0
14	Mayiladuthurai	5	150	0
15	Nagapattinam	6	180	0
16	Namakkal	15	450	0
17	Nilgiris	4	120	0
18	Perambalur	5	126	0
19	Pudukottai	13	390	0
20	Ramanathapuram	11	330	0
21	Ranipet	7	210	0
22	Salem	21	630	0
23	SivagangaI	12	345	0
24	Tenkasi	10	271	0
25	Thanjavur	14	420	0
26	Theni	8	240	0
27	Thirupathur	6	180	0
28	Thiruvallur	14	420	0
29	Thiruvannamalai	18	540	0
30	Thiruvarur	10	180	0
31	Thoothukudi	12	360	0
32	Tirunelveli	9	270	0
33	Tiruppur	13	390	0
34	Trichy	14	420	0
35	Vellore	7	180	0
36	Villupuram	13	195	0
37	Virudhunagar	12	345	0
Grand Total		**390**	**11121[#]**	**0**

*Source - https://tncovidbeds.tnega.org/

#The bed vacancies are communicated dynamically time to time from Districts

* ICCC-Interim Covid Care Centre

COVID-19 Positive Deaths without comorbidities

Type of health Facility	No comorbidities*
Government - DME	0
Government - DMS	0
Private	0
Other Government Institutions (like Railway Hospitals, ESI hospitals)	0
Total	**0**

COVID-19 Positive Deaths due to comorbidities

Type of health Facility	With comorbidities*
Government - DME	0
Government - DMS	0
Private	0
Other Government Institutions (like Railway Hospitals, ESI hospitals)	0
Total	**0**

* Pre-existing 'morbidity' or Chronic Disease, is co-existing morbidity or 'co-morbidity'

COVID-19 Positive Deaths without comorbidities – Total: NIL

COVID-19 Positive Deaths due to comorbidities – Total: NIL

Passengers entered Tamil Nadu by various routes till 04/10/2022

S. No.	Mode of travel	No. of Passengers	No. Positive
1	Airport - Domestic flights (Since 26.05.2020)	1,20,94,782	1,167
2	Airport - International Flights (Since 09.05.2020)	10,81,127	1,396
3	By train (Since 14.05.2020)	35,374	428
4	By road - Own vehicle (Since 19.05.2020)	3,62,919	6,843
5	By road – Bus (Since 19.05.2020)	41,416	
6	By Sea Ports (Since 01.06.2020)	2,447	34
Total		**1,36,18,065**	**9,868**

Airport Surveillance upto 04/10/2022 (Domestic Flights)

S.No.	Airport	No. of Flights	No. of Passengers	No. Positive
1	Chennai	82,283	93,96,694	520
2	Coimbatore	13,173	16,51,447	370
3	Madurai	8,210	7,79,350	160
4	Trichy	4,063	2,67,291	117
	Total	**1,07,729**	**1,20,94,782**	**1,167**

Airport Surveillance details from 09/05/2020 to 04/10/2022

S. No	Airport	Total	Persons tested	Under Process	Negative	Persons positive during Entry Screening	Persons positive during Exit screening
Chennai Airport							
1-3466	Total No.Of Flights - 3466(From 09/05/2020 To 12/02/2022)	292096	291055	0	290725	330	299
3467	EY268 13/02/2022 (Abudhabi)	1	1	0	1		
3468	QR528 13/02/2022 (Doha)	52	52	0	52		
3469	EK542 13/02/2022 (Dubai)	4	4	0	4		

3470	G9471 13/02/2022 (Sharjah)	3	3	0	3		
3471	FZ475 13/02/2022 (Dubai)	8	8	0	8		
3472	BA035 13/02/2022 (London)	163	163	0	163		
3473	WY251 13/02/2022 (Muscat)	3	3	0	3		
3474	EK544 13/02/2022 (Dubai)	53	53	0	53		
3475	G9473 13/02/2022 (Sharjah)	3	3	0	3		
3476	AI906 13/02/2022 (Dubai)	3	3	0	3		
3477	6E1409 13/02/2022 (Sharjah)	4	4	0	4		
3478	6E1204 13/02/2022 (Colombo)	3	3	0	3		
3479	QR530 13/02/2022 (Doha)	30	30	0	30		
Sub Total		**292426**	**291385**	**0**	**291055**	**330**	**299**
Coimbatore Airport							
1 to 659	Total No. of Flights-659(From 09/05/2020 to 02/10/2022)	93,219	22,281	0	22,262	19	10
660	G9413 03/10/2022 (Sharjah)	162	5	0	5		
661	TR 540 03/10/2022 (Singapore)	133	7	0	7		
662	TR 540 04/10/2022 (Singapore)	173	5	5			
Sub Total		**93,687**	**22,298**	**5**	**22,274**	**19**	**10**
Madurai Airport							
1 to 833	Total No Of Flights - 833(From 09/05/2020 To 02/10/2022)	1,04,154	28,833	0	28,799	34	28
834	SG24 03/10/2022 (Dubai)	122	3	0	3		
835	SG24 04/10/2022 (Dubai)	107	3	3			
836	IX683 04/10/2022 (Singapore)	83	2	2			
Sub Total		**1,04,466**	**28,841**	**5**	**28,802**	**34**	**28**
Trichy Airport							
1to 4561	Total No Of Flights - 4561(From 09/05/2020 To 02/10/2022)	5,88,751	1,25,592	0	1,25,348	244	177
4562	6E 35 03/10/2022 (Singapore)	81	2	2			
4563	IX 614 03/10/2022 (Sharjah)	55	2	2			

4564	IX 640 03/10/2022 (Abudhabi)	128	0	0			
4565	AK 25 03/10/2022 (Kualalumpur)	68	2	2			
4566	OD 221 03/10/2022 (Kualalumpur)	95	2	2			
4567	UL 133 03/10/2022 (Colombo)	62	3	3			
4568	6E 1725 03/10/2022 (Dubai)	99	5	5			
4569	AK 23 03/10/2022 (Kualalumpur)	111	4	4			
4570	TR 564 03/10/2022 (Singapore)	138	4	4			
4571	IX 612 03/10/2022 (Dubai)	99	2	2			
4572	6E 35 04/10/2022 (Singapore)	89	2	2			
4573	IX 685 04/10/2022 (Singapore)	129	6	6			
4574	AK 25 04/10/2022 (Kualalumpur)	85	2	2			
4575	OD 221 04/10/2022 (Kualalumpur)	72	2	2			
4576	UL 133 04/10/2022 (Colombo)	64	3	3			
4577	IX 618 04/10/2022 (Sharjah)	69	2	2			
4578	OD 223 04/10/2022 (Kualalumpur)	54	3	3			
4579	AK 23 04/10/2022 (Kualalumpur)	92	3	3			
4580	TR 564 04/10/2022 (Singapore)	103	2	2			
4581	IX 612 04/10/2022 (Dubai)	104	2	2			
Sub Total		**5,90,548**	**1,25,645**	**53**	**1,25,348**	**244**	**177**
Other Airports & Chartered Flight						**210**	**45**
Grand Total		**10,81,127**	**4,68,169**	**63**	**4,67,479**	**837**	**559**

Railway Station Surveillance details from 14/05/2020 to 04/10/2022

Total No. of trains	No. of Passengers screened	No. Negative	No. Positive
42	35,374	34,946	428

Sea port surveillance up to 04/10/2022

S.No	Sea Port	No. of Ships arrived	No. of Passengers screened	No. Positive
1	Chennai	1	161	0
2	Thoothukudi	5	2286	34
	Total	**6**	**2447**	**34**