



**REPUBLIC OF TURKEY  
MINISTRY OF HEALTH**

**COVID-19 Weekly Situation Report  
05/10/2020 – 11/10/2020  
Turkey**

**12/10/2020**

### Summary

- After the first COVID-19 patient in Turkey was notified on 11 March 2020, 11.635.138 tests were performed in total. Between 5 – 11 October, 799.715 tests were performed.
- In total, 336.533 laboratory-confirmed COVID-19 patients, and 8.837 deaths due to COVID-19 have been reported in Turkey.
- The total number of hospitalizations was 164.581, and 3.369 patients were newly hospitalized between 5 - 11 October.
- Compared to the previous week, the number of new hospitalizations, new intubated patients, and deaths decreased. On the other hand, the number of COVID-19 tests increased.
- The death rate of all laboratory-confirmed COVID-19 patients by MoH was 2,63%.
- The highest case filiation ratio was in the Southeastern Anatolia Region (99,62%). The case filiation ratio was 99,37% for Turkey.

**Table 1: Summary Table of COVID-19, Turkey**

Indicator	Total*	Last 7 days**	Difference Between Previous Week	Change from Previous Week, (%)
Number of Tests	11.635.138	799.715	21.076	2,7
Number of New Patients	336.533	11.088	1.079	10,8
Number of Deaths	8.837	396	-48	-10,8
Number of New Hospitalizations	164.581	3.369	-45	-1,3
Number of New Intubated Patient	14.613	489	-42	-7,9
Number of New Hospital Discharges	157.153	3.081	-280	-8,3

\* Total numbers including 11/10/2020, \*\* Numbers between 05/10/2020 – 11/10/2020

## Epidemiological Situation in Turkey

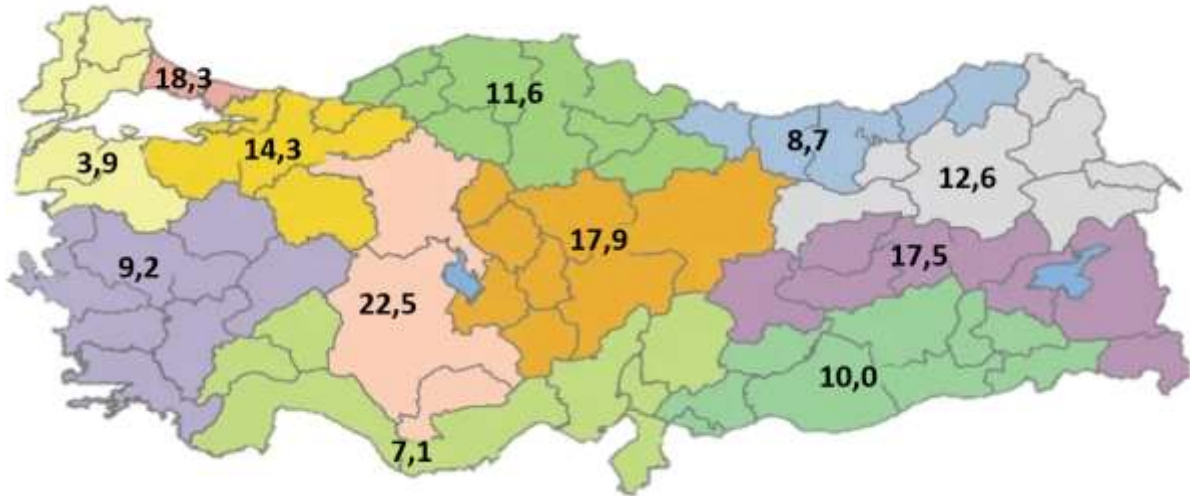
### Geographical Distribution of Patients

Since 11 March 2020, a total of 336.533 laboratory-confirmed patients of coronavirus disease (COVID-19) have been reported to the Ministry of Health (MoH), Turkey. New COVID-19 patients per 100.000 population over the past 7 days was 13,3 and cumulative nationwide incidence was 404,7 (Table 2).

**Table 2:** Number and Incidence per 100.000 Population of COVID-19 Patients by NUTS-1, Turkey

NUTS-1	Total Number of Patients*	Patients/ 100.000 Population	Patients in Last 7 days**	7-day Incidence per 100.000 Population	Change from Previous Week, (%)
Istanbul	131.692	848,6	2.847	18,3	47,7
Western Marmara	3.963	110,0	140	3,9	40,0
Aegean	21.948	206,7	981	9,2	34,9
Eastern Marmara	31.410	386,6	1.165	14,3	43,8
Western Anatolia	41.448	510,1	1.826	22,5	1,1
Mediterranean	15.478	145,6	758	7,1	-3,3
Central Anatolia	15.402	377,9	729	17,9	-13,5
Western Blacksea	11.410	244,5	541	11,6	-2,3
Eastern Blacksea	5.261	195,6	235	8,7	-10,3
Northeastern Anatolia	7.435	338,0	278	12,6	-19,7
Mideastern Anatolia	12.867	327,4	686	17,5	-20,0
Southeastern Anatolia	38.219	425,8	902	10,0	-9,1
<b>Turkey</b>	<b>336.533</b>	<b>404,7</b>	<b>11.088</b>	<b>13,3</b>	<b>10,8</b>

\* Total number of patients including 11/10/2020, \*\* Patients between 05/10/2020 –11/10/2020

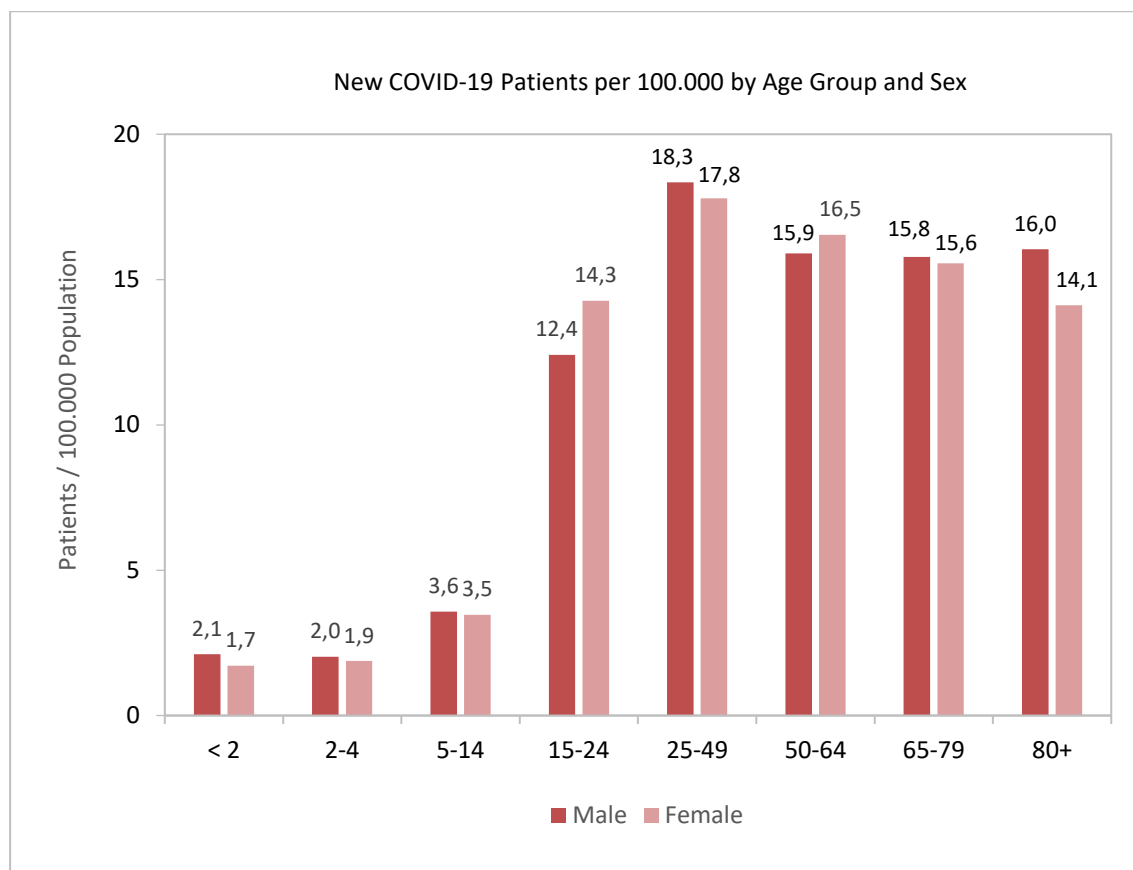


**Figure 1:** 7 Day Incidence per 100.000 Population of New COVID-19 Patients by NUTS-1, Turkey

Istanbul	18,3
Western Marmara	3,9
Aegean	9,2
Eastern Marmara	14,3
Western Anatolia	22,5
Mediterranean	7,1
Central Anatolia	17,9
Western Blacksea	11,6
Eastern Blacksea	8,7
Northeastern Anatolia	12,6
Mideastern Anatolia	17,5
Southeastern Anatolia	10,0
<b>Turkey</b>	<b>13,3</b>

### Demographic Distribution of Patients

Of all reported patients, 49% were female and 51% were male. Among all those notified patients, 21.600 were children under 15 years of age (6,4%), 47.383 persons aged 15 to 24 years (14,1%), 166.402 persons aged 25 to 49 years (49,4%), 63.278 persons aged 50 to 64 years (18,8%), 29.575 persons aged 65 to 79 years (8,8%) and 8.294 persons aged 80 years and older (2,5%). The age is unknown for 1 notified patients. The highest 7-day incidences per 100.000 population of new COVID-19 patients were seen in males aged 25-49 (Figure 2).



**Figure 2:** 7 Day Incidence per 100.000 Population of New COVID-19 Patients by Age Group and Sex, Turkey

### Mortality

In total, 8.837 COVID-19 related deaths have been reported to and confirmed by MoH in Turkey. Death rate of all laboratory-confirmed patients was 2,63%. The lowest death rates were 0,04% for aged 5-14, and 15-24, and when the highest death rate was 28,91% for patients aged 80 and older (Table 3).

**Table 3:** Death Rate of All Laboratory-Confirmed COVID-19 Patients by Age Group and Sex, (%), Turkey\*

Death Rate**	Age Group							
	< 2	2-4	5-14	15-24	25-49	50-64	65-79	80+
<b>Male</b>	0,33	0,05	0,04	0,04	0,39	4,31	17,91	35,66
<b>Female</b>	0,29	0,05	0,04	0,04	0,21	1,76	9,35	24,03
<b>Total</b>	<b>0,31</b>	<b>0,05</b>	<b>0,04</b>	<b>0,04</b>	<b>0,31</b>	<b>3,05</b>	<b>13,40</b>	<b>28,91</b>

\* Deaths including 11/10/2020

\*\* The death rate was calculated as the total number of deaths by the relevant age group and sex divided by the total number of confirmed patients by the same group.

Of 8.837 COVID-19 related deaths, 5.498 (62%) were men and 3.339 (38%) were women. Of all deaths, 6.360 (72%) were in people aged 65 years or older, but only 11% of all patients were in this age group. So far, 15 deaths among COVID-19 patients under 15 years of age have been reported and confirmed by MoH (Table 4).

**Table 4: Number of Notified COVID-19 Deaths by Age Group and Sex, Turkey\***

	Age Group							
	< 2	2-4	5-14	15-24	25-49	50-64	65-79	80+
<b>Male</b>	4	1	3	8	349	1.387	2.505	1.241
<b>Female</b>	3	1	3	10	162	546	1.457	1.157
<b>Total</b>	<b>7</b>	<b>2</b>	<b>6</b>	<b>18</b>	<b>511</b>	<b>1.933</b>	<b>3.962</b>	<b>2.398</b>

\* Deaths including 11/10/2020

The lowest number of deaths per 100.000 population were 3,7, 6,0 and 6,9 respectively for Mediterranean, Western Marmara and Eastern Blacksea Regions (Table 5).

**Table 5: Number and Incidence per 100.000 Population of COVID-19 Deaths by NUTS-1, Turkey**

NUTS-1	Total Number of Deaths*	Total Deaths/ 100.000 Population
Istanbul	3.135	20,2
Western Marmara	215	6,0
Aegean	791	7,4
Eastern Marmara	733	9,0
Western Anatolia	1.091	13,4
Mediterranean	393	3,7
Central Anatolia	441	10,8
Western Blacksea	380	8,1
Eastern Blacksea	185	6,9
Northeastern Anatolia	196	8,9
Mideastern Anatolia	296	7,5
Southeastern Anatolia	981	10,9
<b>Turkey</b>	<b>8.837</b>	<b>10,6</b>

\* Deaths including 11/10/2020

## Outbreak

The last 7-day incidence with more than new 15 patients per 100.000 population was observed in the Western Anatolia, Istanbul, Central Anatolia, and Mideastern Anatolia Regions. Ankara, Malatya, and Denizli have the highest incidence rate among metropolises in the last 7-days (26,1, 21,7 and 20,7 respectively). On the other hand, Balikesir, Hatay, and Muğla have the lowest incidence rate among metropolises in the last 7-days (3,4, 2,9 and 2,1 respectively).

## Hospital Care

As of 11/10/2020, the number of new hospitalizations was 164.581. The percentage of hospitalizations was 48,9% among all COVID-19 patients. 8,9% of all hospitalized patients were intubated and 95,5% were discharged from hospital.

## Filiation

The filiation ratio (%), and the filiation time (hours) were calculated for the new COVID-19 cases between 05/10/2020-11/10/2020.

### Case Filiation

The highest case filiation ratio was in the Southeastern Anatolia Region (99,62%). The case filiation ratio was 99,37% for Turkey. Western Blacksea Region has the shortest average case filiation time. The average case filiation time of Turkey was about 7 hours.

**Table 6:** Ratio of Case Filiation, (%) and Average Case Filiation Time, (Hours) by NUTS-1

NUTS-1	Case Filiation Ratio, (%)	Case Filiation Time, (Hours)
Istanbul	99,01	8,9
Western Marmara	99,02	6,7
Aegean	99,24	6,5
Eastern Marmara	99,28	6,8
Western Anatolia	99,56	5,9
Mediterranean	99,41	6,3
Central Anatolia	99,52	6,7
Western Blacksea	99,36	5,7
Eastern Blacksea	99,41	5,9
Northeastern Anatolia	99,47	6,8
Mideastern Anatolia	99,57	6,2
Southeastern Anatolia	99,62	7,8
<b>Turkey</b>	<b>99,37</b>	<b>6,7</b>

### Contact Filiation

Northeastern Anatolia Region has the highest contact filiation ratio (99,53%), and its average filiation time was 11,2 hours. The contact filiation ratio of Turkey was 99,23%, and the average contact filiation time was about 12 hours.

**Table 7:** Ratio of Contact Filiation, (%) and Average Contact Filiation Time, (Hours) by NUTS-1

NUTS-1	Contact Filiation Ratio, (%)	Contact Filiation Time, (Hours)
Istanbul	98,69	13,0
Western Marmara	98,36	15,2
Aegean	99,26	11,6
Eastern Marmara	99,13	11,0
Western Anatolia	99,42	8,2
Mediterranean	99,25	11,9
Central Anatolia	99,47	12,3
Western Blacksea	99,45	10,6
Eastern Blacksea	99,37	12,9
Northeastern Anatolia	99,53	11,2
Mideastern Anatolia	99,44	10,4
Southeastern Anatolia	99,41	10,3
<b>Turkey</b>	<b>99,23</b>	<b>11,6</b>

### Total Filiation

When analyzed the cases and contacts together, the average time between the first diagnosis date and filiation date was 9,1 hours and the total filiation ratio was 99,3%.



**Table 8:** Family Medicine Follow-Up Ratio by NUTS-1, (%)

NUTS-1	Follow-Up Ratio, (%)
Istanbul	82,2
Western Marmara	91,8
Aegean	92,8
Eastern Marmara	87,5
Western Anatolia	91,5
Mediterranean	91,7
Central Anatolia	95,4
Western Blacksea	91,5
Eastern Blacksea	88,9
Northeastern Anatolia	88,6
Mideastern Anatolia	88,3
Southeastern Anatolia	89,7
<b>Turkey</b>	<b>90,0</b>

**Notes:**

- All COVID-19 patients are laboratory confirmed.
- COVID-19 deaths in the Weekly Situation Report are confirmed by Ministry of Health.
- Data in the Weekly Situation Report includes the period between 00:00 and 23:59.
- Percentage change is an indicator that represents the degree of change over the previous week. The calculation is as follows:

$$\text{Percent change} = \frac{(\text{New value} - \text{Old value})}{\text{Old value}} * 100$$

- Hospital discharge includes recovery, death, self-healing, and referral.

### Definitions of COVID-19 Indicators

- **Number of Tests:** It represents the total number of all tests for COVID-19 (including resulting tests, requiring re-tests or inappropriate samples) performed during the week of reporting.
- **Number of New Patients:** It represents the number of diagnosed patients for the week of reporting.
- **Number of Deaths:** It represents the number of notified deaths by MoH among confirmed COVID-19 patients.
- **Number of New Hospitalizations:** It represents the number of confirmed COVID-19 patients newly hospitalized for the week of reporting. As of the first COVID-19 patient in Turkey was notified on 11 March 2020, patients more than once hospitalized are included only once in the number of new hospitalizations.
- **Number of New Intubated Patients:** It represents the number of confirmed COVID-19 patients newly intubated for the week of reporting. As of the first COVID-19 patient in Turkey was notified on 11 March 2020, patients more than once intubated are included only once in the number of new intubated patients.
- **Number of New Hospital Discharges:** It represents the number of confirmed patients newly discharged from hospital for the week of reporting. As of the first COVID-19 patient in Turkey was notified on 11 March 2020, patients more than once discharged from hospital are included only once in the number of new hospital discharges.
- **Case Filiation Time, (Hours):** It represents the time between the first COVID-19 diagnosis date and the filiation date of the case.
- **Contact Filiation Time, (Hours):** It represents the time between the first COVID-19 diagnosis date of case and the filiation date of the contact.
- **Case/Contact Filiation Ratio, (%):** It represents the ratio of case/contact tracing.
- **Family Medicine Follow-Up Ratio, (%):** It represents the follow-up ratio of cases and contacts whose quarantine process and home follow-up continues.