



HELLENIC REPUBLIC

HELLENIC STATISTICAL AUTHORITY

Piraeus, October 26, 2023

FOLLOW UP OF REPORTED CASES OF INFECTIOUS DISEASES, 2022

The Hellenic Statistical Authority (ELSTAT) announces provisional data on reported cases of infectious diseases for 2022 based on information deriving from the National Public Health Organization (EODY). EODY records and verifies the reported cases of infectious diseases through its epidemiological surveillance and intervention system, based on the mandatory notification of these diseases.

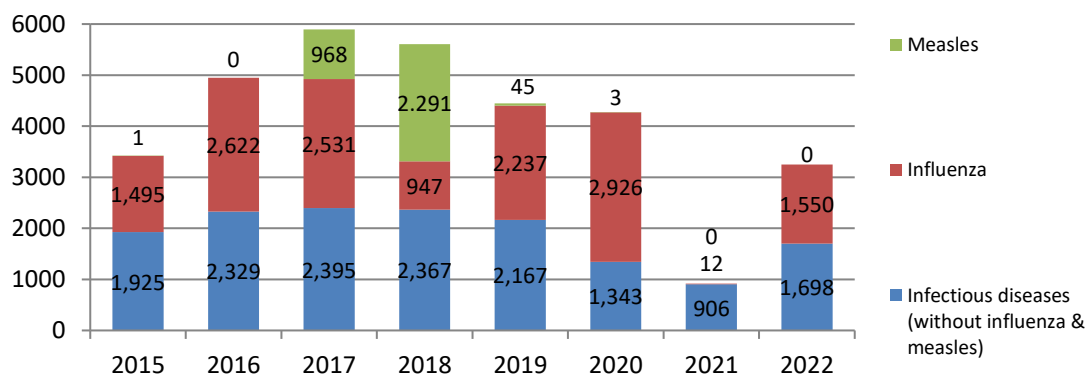
According to the data for the year 2022, the reported cases of the standard infectious diseases under surveillance were 3,248 compared to 918 in 2021, recording an increase of 253,8%. It is noted that, in 2022 the number of the reported laboratory confirmed cases of influenza increased significantly from 12 to 1,550 cases as opposed to 2021 when they were reduced from 2,926 to 12 cases. No cases of measles were reported, as in the year 2021 (Table 1, Graph 1).

Table 1. Reported cases of infectious diseases, 2015 -2022

Year	Total (incl. influenza, measles)	Influenza	Measles
2015	3,421	1,495	1
2016	4,951	2,622	0
2017	5,894	2,531	968
2018	5,605	947	2,291
2019	4,449	2,237	45
2020	4,272	2,926	3
2021*	918	12	0
2022	3,248	1,550	0

*Revised data

Graph 1. Cases of influenza, measles, and the rest of infectious diseases, 2015-2022



Information on methodological matters:

Division of Sectoral Statistics
Section of Health and Social Protection Statistics
Aleksandra Zografou
Tel: +30 213 135 2175
E-mail: a.zografou@statistics.gr

Information for data provision:

Τηλ. 213 135 2022, 2310, 2308
E-mail: data.dissem@statistics.gr

Table 2 and the corresponding graph 2 present the total number of cases and the seasonality of the four most infectious diseases¹, which account for more than 100 verified and hospitalized reported cases during the year 2022. Compared to 2021 salmonellosis increased by 101,3%, tuberculosis by 55,3% and the West Nile virus (WNV) by 384.7%. Based on the number of cases in the year 2022, salmonellosis peaked during summertime, most cases being reported in August (134) and September (137). Tuberculosis recorded an increase beginning from May on, with more cases in August (39) and a peak in December (73). The West Nile virus infection (WNV) had incidents only in the summertime, peaking in August (149). Influenza cases were particularly high in March (344) and, with some fluctuations in the summer and autumn months, they peaked in December (532).

Table 2. Seasonality of the most frequently reported cases of infectious diseases, year 2022

Month	Total number of reported cases	Of which:			
		Salmonellosis	Tuberculosis	Influenza (laboratory confirmed)	West Nile Virus infection
January	53	7	7	18	0
February	41	5	17	3	0
March	389	8	13	344	0
April	230	15	18	174	0
May	151	43	24	35	0
June	156	84	21	5	3
July	187	66	15	18	47
August	552	134	39	180	149
September	353	137	37	42	84
October	179	78	24	31	3
November	281	37	32	168	0
December	676	26	73	532	0
Total	3,248	640	320	1,550	286

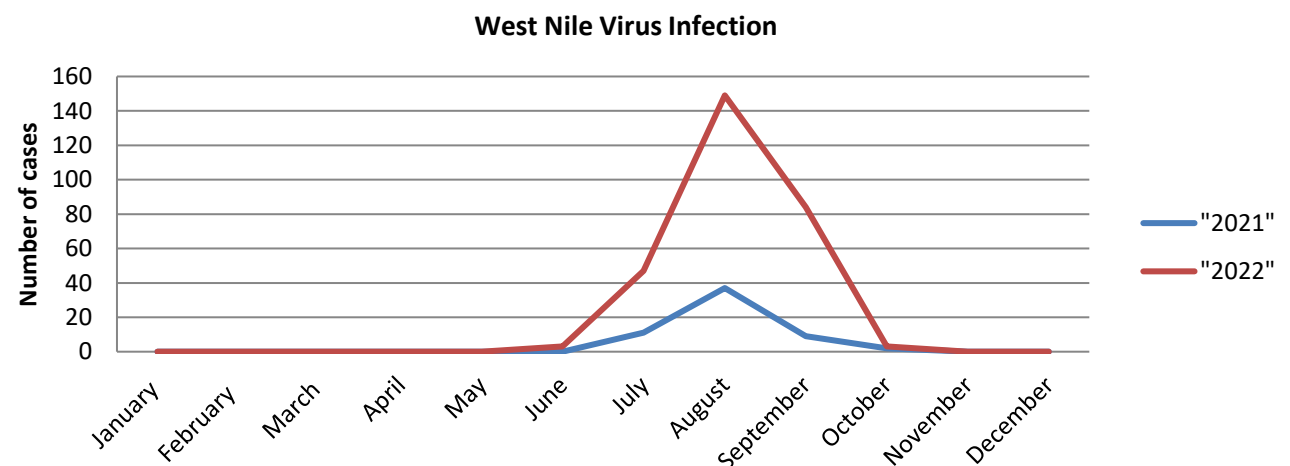
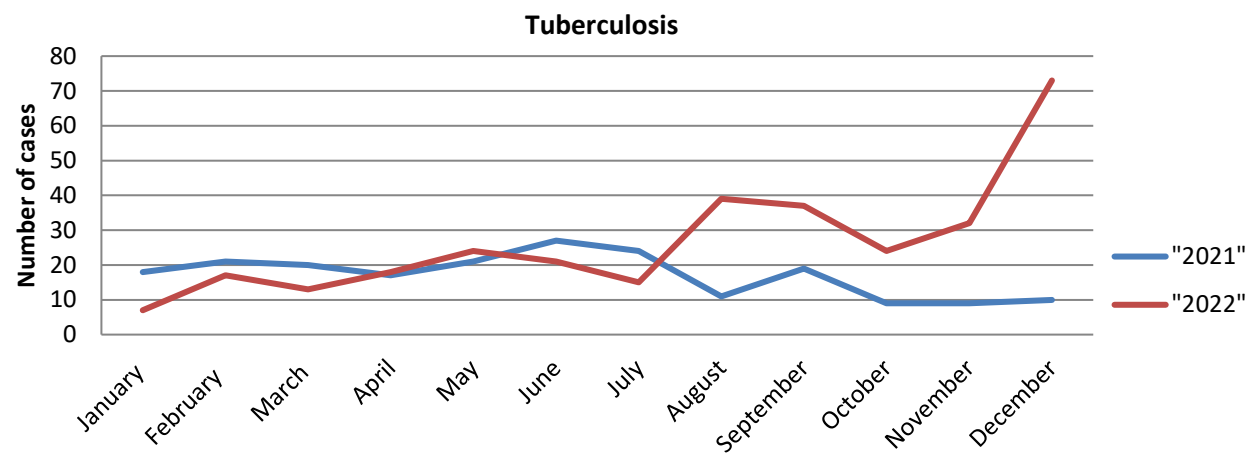
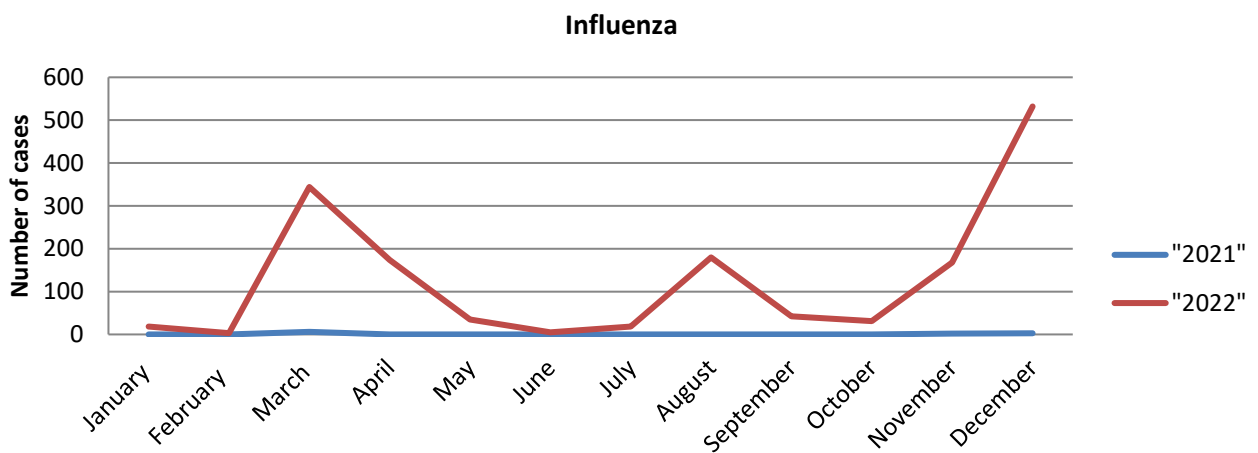
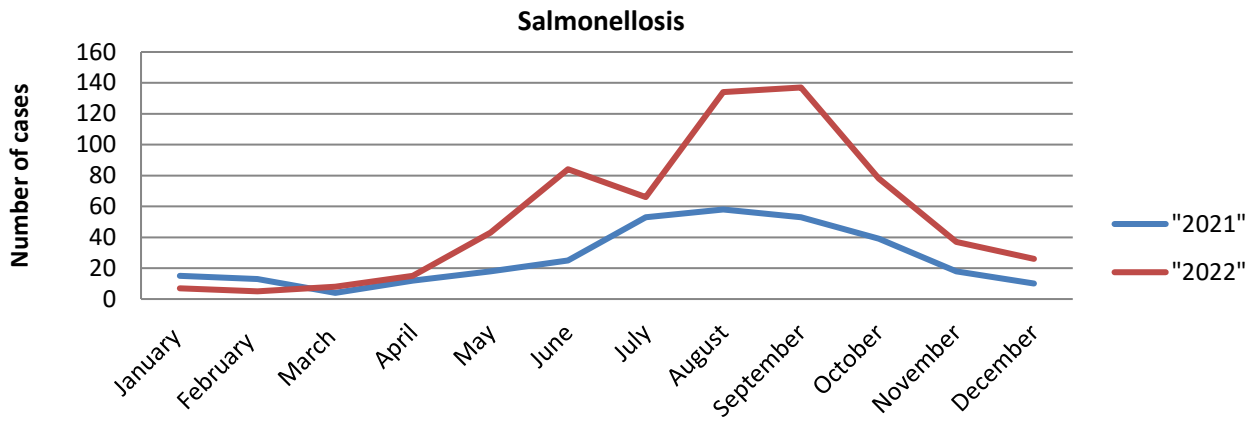
¹ **Tuberculosis** which is monitored by the European Centre for disease Prevention and Control remains one of the major problems of public health, though the target was, by 2050, to eradicate the prevalence of tuberculosis and the recurrent deaths.

Salmonellosis is the most frequently reported food-borne infection.

The **West Nile Virus (WNV) infection** is transmitted via the bites of infected mosquitoes and infects animals and humans.

Influenza is a viral infection of the respiratory system and is caused by the influenza virus. It is distinguished into seasonal and new influenza.

Graph 2. Seasonality of the most frequently reported cases of infectious diseases, years 2021-2022



As regards the geographical distribution of the four infectious diseases presented in Table 3, the following are observed on the basis of the available data for 2022:

As regards **salmonellosis**, most of the cases were recorded in the Regions of Attiki (41.3%), followed by Peloponnisos (9.1%) and Kentriki Makedonia (8.9%).

The highest rates of **tuberculosis** cases were reported in the Regions of Attiki (47.2%), followed by Kentriki Makedonia and Kriti with much lower rates (10.9% and 5.0%, respectively).

Influenza presented the largest concentration in Attiki (71.4%) followed by a large margin in Kentriki Makedonia (8.8%) and small rates in the rest of the country.

As for the **West Nile virus** infection, the highest rates were recorded in the Region of Kentriki Makedonia (82.5%) followed by Thessalia (14.7%). (Graph 3)

Table 3. Distribution of the most frequently reported cases of infectious diseases by region, year 2022

Region (NUTS 2)	Total of reported cases		Salmonellosis		Tuberculosis		Influenza		West Nile Virus Infection	
	Number	%	Number	%	Number	%	Number	%	Number	%
Total	3,248	100.0	640	100.0	320	100.0	1,550	100.0	286	100.0
Anatoliki Makedonia, Thraki	61	1.9	11	1.7	9	2.8	28	1.8	5	1.7
Kentriki Makedonia	506	15.6	57	8.9	35	10.9	136	8.8	236	82.5
Dytiki Makedonia	20	0.6	8	1.3	2	0.6	8	0.5	0	0.0
Ipeiros	58	1.8	40	6.3	9	2.8	3	0.2	0	0.0
Thessalia	161	5.0	47	7.3	12	3.8	25	1.6	42	14.7
Ionia Nisia	39	1.2	19	3.0	2	0.6	6	0.4	1	0.3
Dytiki Ellada	114	3.5	47	7.3	9	2.8	18	1.2	0	0.0
Sterea Ellada	72	2.2	20	3.1	12	3.8	20	1.3	2	0.7
Attiki	1,735	53.4	264	41.3	151	47.2	1,106	71.4	0	0.0
Peloponnisos	118	3.6	58	9.1	15	4.7	25	1.6	0	0.0
Voreio Aigaio	34	1.0	13	2.0	4	1.3	12	0.8	0	0.0
Notio Aigaio	65	2.0	6	0.9	9	2.8	44	2.8	0	0.0
Kriti	119	3.7	50	7.8	16	5.0	19	1.2	0	0.0
Region not reported	146	4.5	0	0.0	35	10.9	100	6.5	0	0.0

The total number of SARS-CoV-2 infection cases in the year 2022 amounted to 4,365,858 compared to 1,125,735 in 2021 showing an increase of 287.8%. As for the seasonality of the infection by SARS-CoV-2 it is presented in Table 4 and Graph 3.

Table 4. Seasonality of the infection by SARS-CoV-2, years 2021-2022

Month	Number of reported cases 2021*	Number of reported cases 2022
January	18,033	745,301
February	36,005	496,690
March	77,695	646,448
April	82,112	307,740
May	58,070	140,632
June	18,123	272,949
July	70,520	604,759
August	95,359	305,468
September	65,439	178,299
October	87,912	238,041
November	199,684	222,645
December	316,783	206,886
Total	1,125,735	4,365,858

*Revised data

Graph 3. Number of cases of the infection by SARS-CoV-2 by month, year 2022

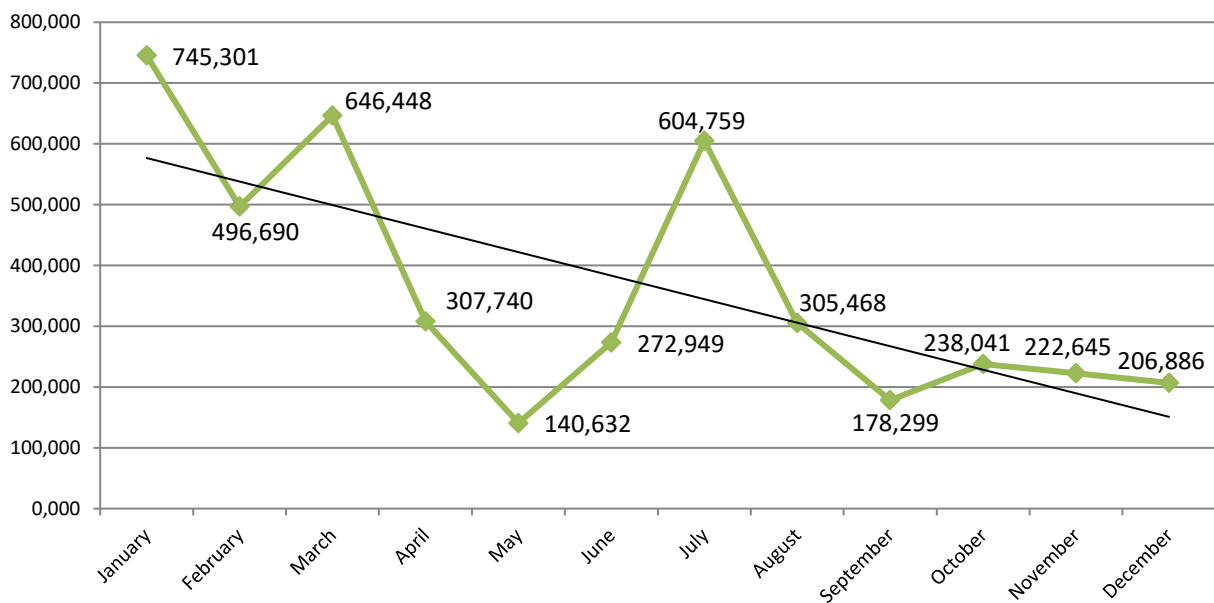


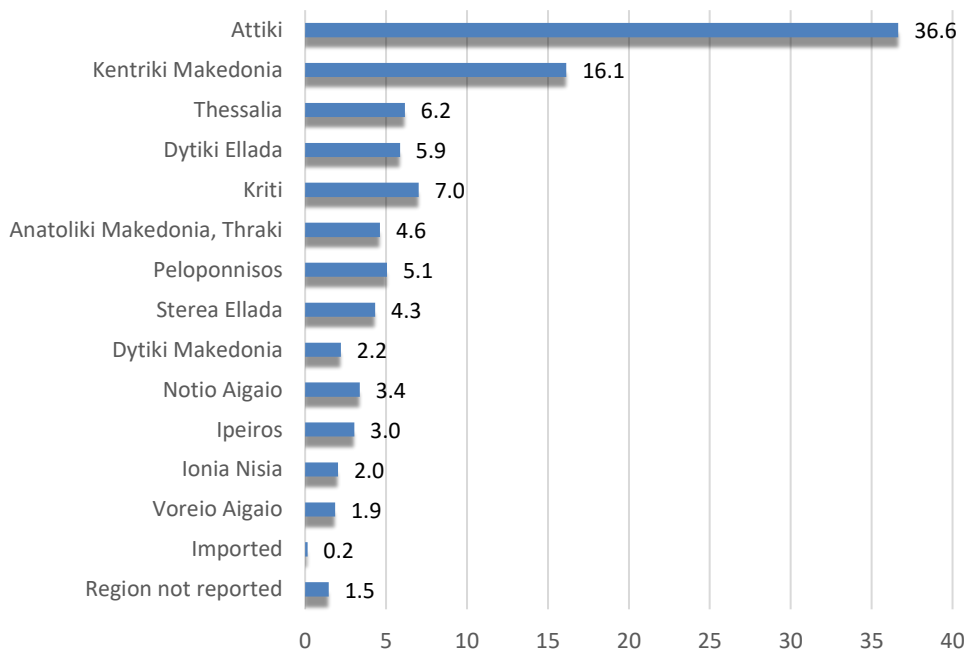
Table 5 and Graph 4 present the geographical distribution of the infection caused by the SARS-CoV-2 virus for the years 2021-2022, based on the region of diagnosis. Most of the cases occurred in the Region of Attiki (1,599,935) with a percentage of 36.6% followed by the Regions of Kentriki Makedonia (704,666) with 16,1%, Kriti (306,408) with 7.0% and Thessalia (269,488) with 6.2%.

Table 5. Distribution of infection by SARS-CoV-2 by region (based on the area of diagnosis), years 2021-2022

REGIONS	Number of reported cases 2021*	%	Number of reported cases 2022	%
	1,125,735	100.0	4,365,858	100.0
Anatoliki Makedonia, Thraki	53,036	4.7	202,192	4.6
Kentriki Makedonia	224,537	19.9	704,666	16.1
Dytiki Makedonia	33,747	3.0	96,557	2.2
Ipeiros	26,570	2.4	132,415	3.0
Thessalia	80,073	7.1	269,488	6.2
Ionia Nisia	17,425	1.5	88,951	2.0
Dytiki Ellada	61,871	5.5	255,818	5.9
Stereia Ellada	43,802	3.9	189,290	4.3
Attiki	405,921	36.1	1,599,935	36.6
Peloponnisos	48,038	4.3	221,083	5.1
Voreio Aigaio	12,974	1.2	80,974	1.9
Notio Aigaio	27,286	2.4	147,426	3.4
Kriti	55,533	4.9	306,408	7.0
Imported	6,865	0.6	6,813	0.2
Region not reported	28,057	2.5	63,842	1.5

*Revised data

Graph 4. Percentage (%) distribution of infection by SARS-CoV-2 by region, year 2022

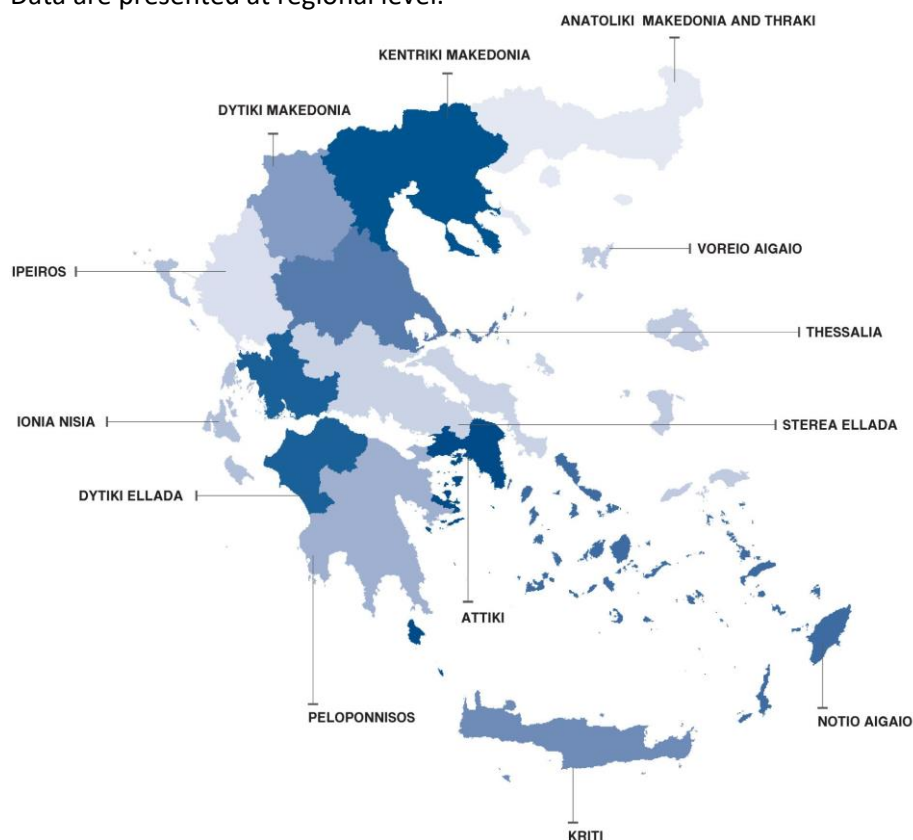


EXPLANATORY NOTES

Survey on the follow up of cases of infectious diseases The survey has been conducted since 2004 on a yearly basis. The data are presented at a country and region level, aiming at covering national needs in statistical information.

Reference period The data refer to the reported cases of infectious diseases on the month that these cases are clinically verified and during the reference year (dynamic database).

Coverage Data are presented at regional level.



Methodology Data are collected by the National Public Health Organization (NPHO) of Greece every month and by region and analyzed by ELSTAT at a regional level.

References More detailed information on the reported cases of infectious diseases can be found on the portal of ELSTAT (www.statistics.gr) at the following link: <http://www.statistics.gr/en/statistics/-/publication/SHE15/>