



HELLENIC REPUBLIC
HELLENIC STATISTICAL AUTHORITY

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Maritime accidents on Greek merchant ships of 100 GRT and over and persons injured on board of ships and in areas of port authorities: 2023

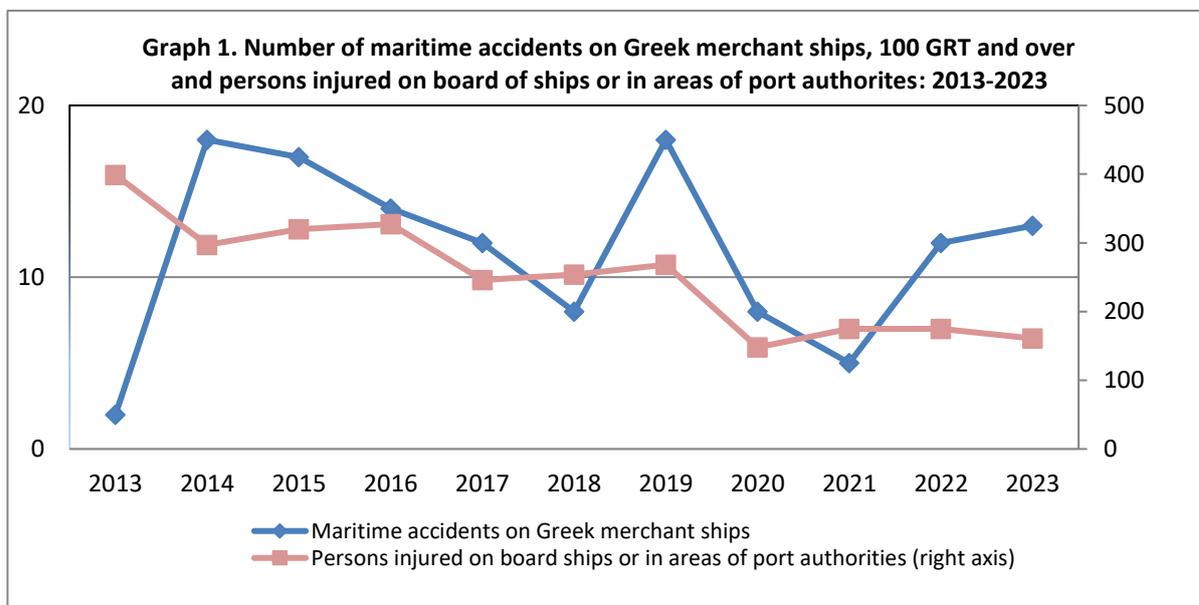
The Hellenic Statistical Authority (ELSTAT) announces the results of the survey on maritime accidents on Greek merchant ships of 100 GRT and over (Gross Register Tonnage), as well as the results of the survey on persons injured on board of ships or in areas under the competency of port authorities, for the year 2023.

More specifically, as regards the maritime accidents on Greek merchant ships of 100 GRT and over the following are observed:

- In 2023, 13 maritime accidents were recorded on a respective number of Greek merchant ships of a total tonnage of 114,810 GRT. The ships suffering the accidents represent 0.72% of the Greek merchant fleet and 0.31% of the total tonnage (Table1).
- Of the 13 ships on which an accident occurred, 1 was cargo ship, 10 were passenger's ships and 2 "other" (Graph 2).
- On 7 ships the accidents were due to engine damage, on 1 ship to crash, on 3 to strand and 2 to other cause (Table 2, Graph 3).

As regards the persons injured on board of ships or in areas under the competency of port authorities the following are observed:

- The number of persons who were injured on board of ships or in areas under the competency of port authorities amounted to 161. In 2023 compared with 2022, a decrease of (8.0%) was recorded. Out of 161 persons who had an accident in 2023, 113 (70.2%) got involved in a fatal accident and ended up (Table 3, Graph 4).



Information on methodological issues:

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- Out of 113 persons who were fatally injured, 110 persons were in sea areas under the competency of port authorities and 3 were on board of the ships. Accordingly, out of 48 persons who had non-fatal accidents 33 persons were in sea areas of port authorities and 15 on board of the ships (Table 3, Graph 4).
- As regards the age of the persons injured on board of ships or in sea areas in 2023, the most (110) were 65 years and older, recording an increase of 18.3% compared to 2022 (Table 4, Graph 5).
- Out of 18 persons injured on board of ships in 2023, 3 persons were fatally injured while 15 were slightly injured (contusion, strain, fracture, burn or scald, amputation, and other cause). Out of 143 persons who were injured in sea areas under the competency of port authorities 110 persons were fatally injured (drowning or other cause of death), 9 persons suffered contusion, strain, or fracture and 24 other injuries (Table 5, Graph 6).
- The total number of deaths from drowning increased by 18.1% (from 72 to 85), in 2023 compared with 2022 (Table 5).
- Table 6 presents data on fatal accidents and missing persons from illegal entry in sea areas under the competency of Greek port authorities for the period 2013-2023. These data are not included in Tables 3-5.

Table 1. Maritime accidents on Greek merchant ships of 100 GRT and over, by ship category: 2023

Category of ships	Greek merchant fleet		Merchant ships suffering an accident		Percentage (%)	
	Number of ships	Tonnage GRT	Number of ships	Tonnage GRT	Number of ships	Tonnage GRT
Total	1,816	36,683,576	13	114,810	0.72	0.31
Cargo ships	358	10,287,494	1	548	0.28	0.01
Tankers	416	25,039,812	0	0	0.00	0.00
Passenger ships	767	1,213,076	10	111,762	1.30	9.21
Other ⁽¹⁾	275	143,194	2	2,500	0.73	1.75

(1) i.e.: towage, salvage, cable ships, fishing-boats, etc.

Graph 2. Maritime accidents on Greek merchant ships of 100 GRT and over, by ship category: 2023

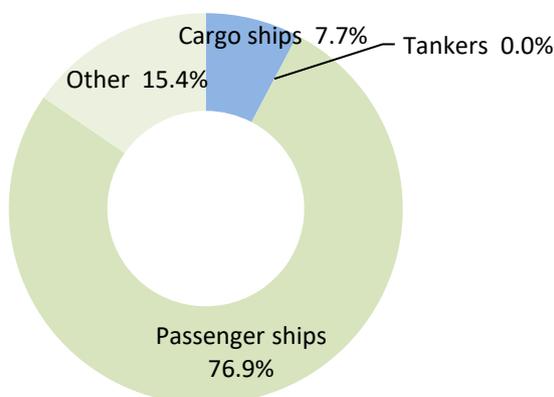


Table 2. Maritime accidents on Greek merchant ships of 100 GRT and over, by cause of the accident: 2021-2023

	2021		2022		2023	
	Number of Ships	Tonnage GRT	Number of Ships	Tonnage GRT	Number of Ships	Tonnage GRT
Total	5	65,515	12	40,038	13	114,810
Foundering ⁽¹⁾	0	0	1	109	0	0
Stranding	0	0	0	0	3	819
Collision	0	0	1	492	0	0
Fire or explosion	0	0	1	1,823	0	0
Crash	1	2,171	3	18,563	1	3,558
Engine damage ⁽²⁾	4	63,344	5	18,061	7	105,603
Other cause	0	0	1	990	2	4,830

(1) Including abrupt foundering of unidentified cause.

(2) Including damage of propeller or boiler.

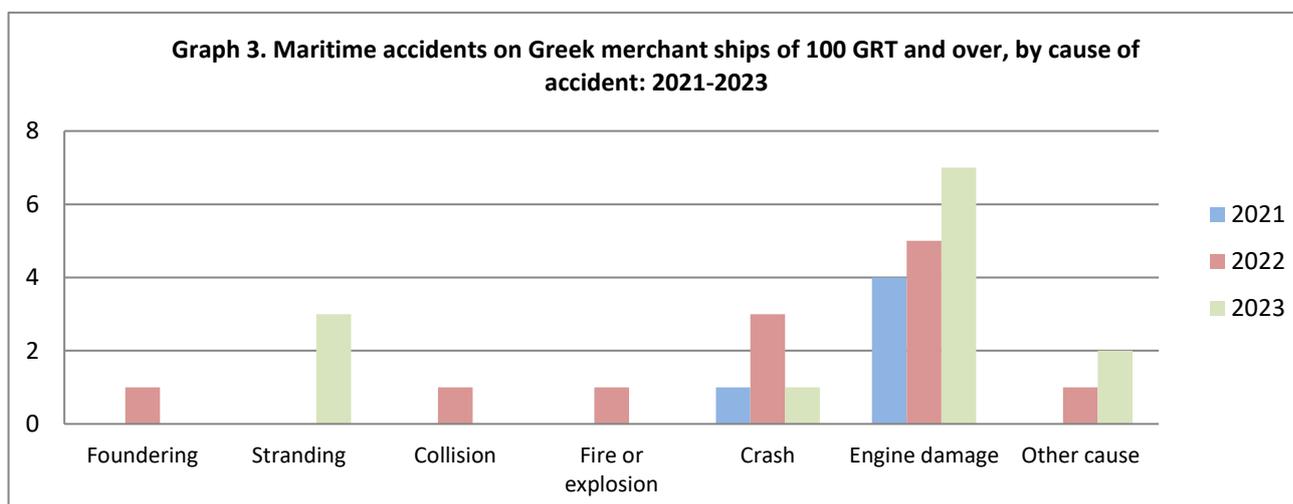


Table 3. Persons injured (fatally or not), by category of ship ⁽¹⁾ or in sea areas of port authorities: 2021-2023

	2023		Total			Change (%)	
	Persons injured		2021	2022	2023	2022/2021	2023/2022
	Non-fatally injured	Fatally injured					
Total	48	113	175	175	161	0.0	-8.0
On board of ships	15	3	13	28	18	115.4	-35.7
Cargo ships	4	0	0	2	4	–	100.0
Tankers	1	0	1	2	1	100.0	-50.0
Passenger ships	8	3	7	16	11	128.6	-31.3
Other ⁽²⁾	2	0	5	8	2	60.0	-75.0
In areas of port authorities	33	110	162	147	143	-9.3	-2.7
Ports	9	8	26	32	17	23.1	-46.9
Shipyards	0	0	2	0	0	-100.0	–
Coast	24	102	134	115	126	-14.2	9.6

(1) Including persons injured on merchant ships or any other floating means.

(2) I.e.: towage, salvage ships, fishing boats, yachts and other ships and boats.

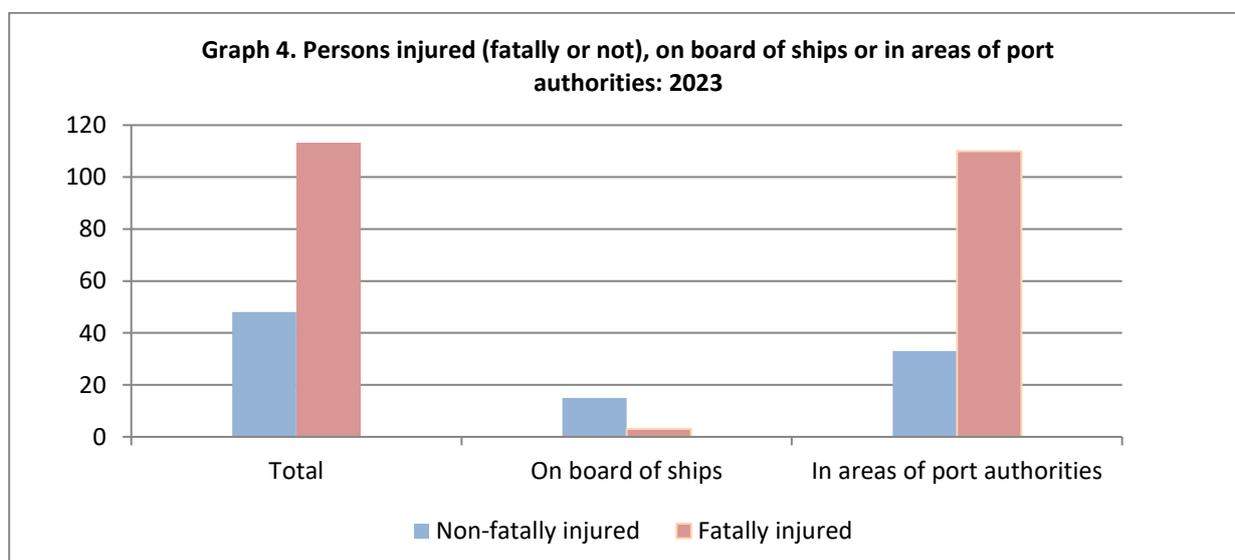


Table 4. Persons injured on board of ships ⁽¹⁾ or in sea areas of port authorities, by age group: 2021 - 2023

Age groups (years)	2021	2022	2023	Change (%)	
				2022/2021	2023/2022
Total	175	175	161	0.0	-8.0
Up to 24	13	16	7	23.1	-56.3
25 - 34	9	10	9	11.1	-10.0
35 - 44	15	16	12	6.7	-25.0
45 - 54	16	24	11	50.0	-54.2
55 - 64	21	16	12	-23.8	-25.0
65 and over	101	93	110	-7.9	18.3

(1) Including persons injured on merchant ships or any other floating means.

Graph 5. Persons injured on board of ships or in areas of port authorities, by age group: 2021-2023

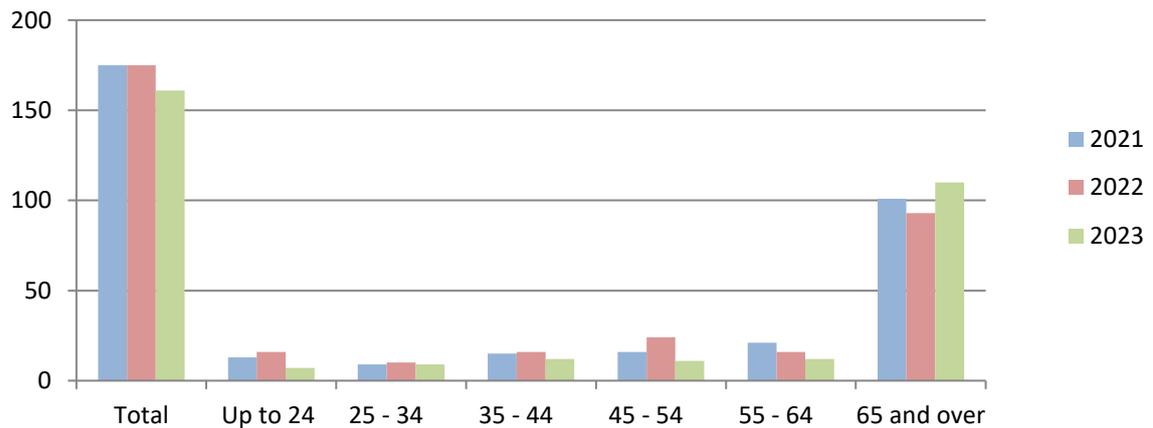


Table 5. Persons injured on board ships ⁽¹⁾ or in sea areas of port authorities, by type of injury: 2021-2023

	2023		Total			Change (%)	
	Persons injured		2021	2022	2023	2022/2021	2023/2022
	on board of ships	in areas of port authorities					
Total	18	143	175	175	161	0.0	-8.0
Contusion, strain, fracture	10	9	34	36	19	5.9	-47.2
Burn or scald	1	0	0	3	1	–	-66.7
Amputation	1	0	0	1	1	–	0.0
Other injury, except death	3	24	24	32	27	33.3	-15.6
Drowning	1	84	67	72	85	7.5	18.1
Other cause of death	2	26	50	31	28	-38.0	-9.7

(1) Including persons injured on merchant ships or any other floating means.

Graph 6. Persons injured on board of ships or in areas of port authorities, by type of injury: 2021-2023

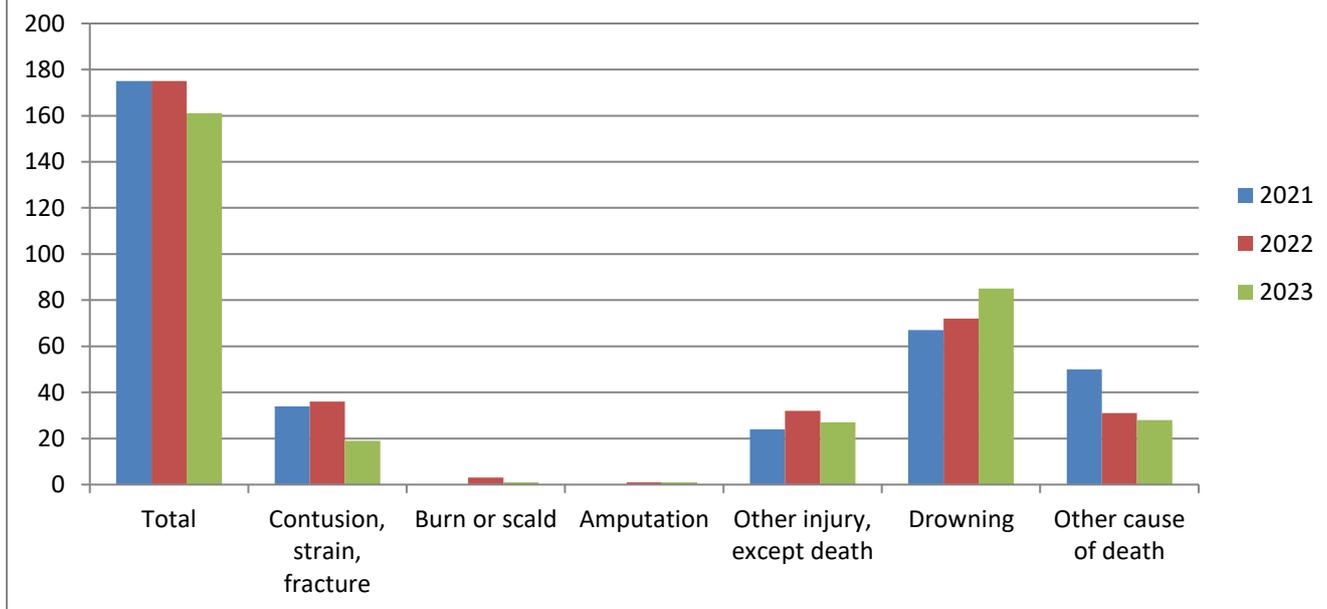
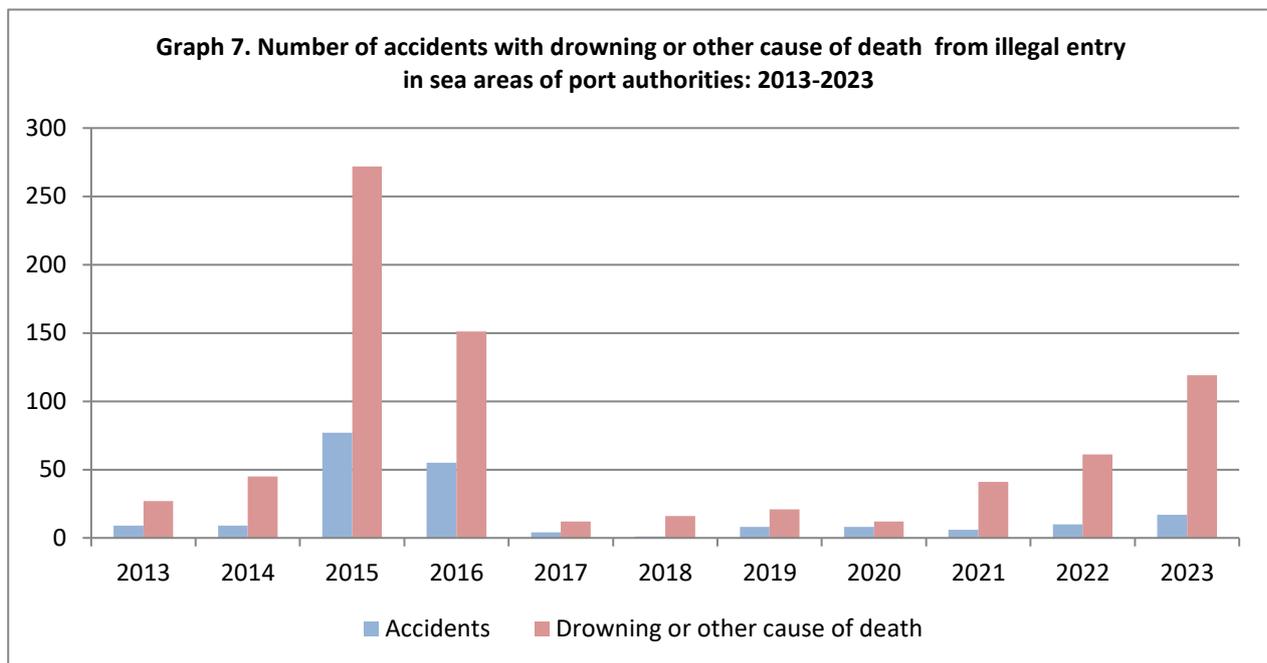


Table 6. Number of fatal accidents and deaths from drowning or other cause and number of accidents with missing persons, due to illegal entry into maritime areas of Greek port authorities jurisdiction: 2013-2023

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of fatal accidents	9	9	77	55	4	1	8	8	6	10	17
Drowning or other cause of death	27	45	272	151	12	16	21	12	41	61	119
Number of accidents with missing persons	4	5	21	5	2	1	0	1	5	9	8
Missing persons	10	19	152	27	10	3	0	14	54	103	523

Source: Headquarters of Port Authorities, Ministry of Shipping, and Island Policy



EXPLANATORY NOTES

- Survey on shipping casualties and on persons injured in maritime accident** The surveys on maritime accidents on Greek merchant ships 100 GRT and over and on persons injured on board of ships or in areas under the competency of port authorities are conducted since 1975 on an annual basis. The purpose of the surveys is to fully record maritime accidents of Greek merchant ships 100 GRT and over, which took place during the journey or during the ship's entering the port or unloading of cargo as well as and, to fully record the accidents (various injuries) of persons on board and accidents of persons in the sea, which took place in a port or on the coast area under the competency of the port authorities.
- Legal framework** The surveys are conducted pursuant to the provisions of the Permanent Circular of the Ministry of Economy and Finance and the National Statistical Service of Greece (NSSG) dated 16/1/1975, which was replaced by the Permanent Joint Circular dated 15/4/1998, with retroactive effect since 1/1/1998.
- Reference Period** The results of the survey refer to the year 2023.
- Coverage** The survey covers the maritime accidents of Greek merchant ships of 100 GRT and over that were recorded by the domestic port authorities. Maritime accidents of Greek merchant ships that occurred abroad were recorded by the corresponding consulates and sent to the port authority of Piraeus. Besides, the survey covers persons injured on board of the ships and in the port or on the coast areas under the competency of the port authorities. Particularly, it covers all cases of casualties for which a preliminary inquiry is conducted by the competent port authorities.
- Definitions**
- Ship:** Seagoing self-propelled vessel of at least ten NRT designed for the carriage of goods, transport of passengers, for fishing, towing or especially fitted out for other maritime activities.
- Accidents of persons:** Refers to accidents that result to contusion, strain, fracture, burn or scald, amputation, cerebral contusion, caisson disease, drowning and other cause of death.
- Merchant ship:** Seagoing self-propelled vessel of at least ten NRT designed for the carriage of goods, transport of passengers, for fishing, towing or especially fitted out for other maritime activities.
- Greek merchant fleet:** The total number of the merchant ships under Greek flag. The Greek flag carried by these ships means that all their maritime activities (subsidies for ship building, cargo limitations and other tax provisions) are governed by commercial and economic rules which are laid down by the respective Greek authorities.
- Gross Register Tonnage (GRT):** unit of measurement of the total volume in cubic feet of the spaces within the hull and of the enclosed spaces above the deck which are available for carrying goods, food, passengers and crew. It equals to the volume of 100 cubic feet or 2.83 m³.
- Methodology** The domestic port authorities report to ELSTAT information about the maritime accidents of Greek merchant ships 100 GRT and over and about the persons injured on board of ships or in areas of port authorities. The information includes the name of ship, tonnage group, registration port, ship's category, whether it was loaded or in ballast, whether the accident was caused by intention or negligence, personal data of the person responsible for the accident, marine region, weather conditions, visibility, date of the accident, damage of the ship or injury/death of a person and cause of the accident.

Information that is collected for the persons injured on board of ships or in areas of port authorities, include the sex, the year of birth, the place of birth, the citizenship, the marital status, the occupation, where exactly the accident occurred, the date of the accident, who was responsible for the accident, the cause of the accident, the direct impact of the accident, the type of body injury. Additionally, information is recorded regarding accidents and missing persons who entered the country illegally that is sent to ELSTAT by the Headquarters of Port Authorities, Ministry of Shipping, and Island Policy.

References More information (tables, graphs) concerning the survey on maritime accidents of the Hellenic merchant ships can be found on the webpage of ELSTAT (www.statistics.gr), at the link: <https://www.statistics.gr/el/statistics/-/publication/SMA34>