



Maritime Health Trainings for Seafarers and Doctors

«Training 3-Marine casualties, injuries and fatalities»

ERASMUS+ KA2 - Cooperation for Innovation and the Exchange of Good Practices
KA202 - Strategic Partnerships for vocational education and training



REPUBLIC OF TURKEY
MINISTRY OF HEALTH
GENERAL DIRECTORATE OF HEALTH
FOR BORDER AND COASTAL AREAS OF TURKEY



AP&A
GROUP

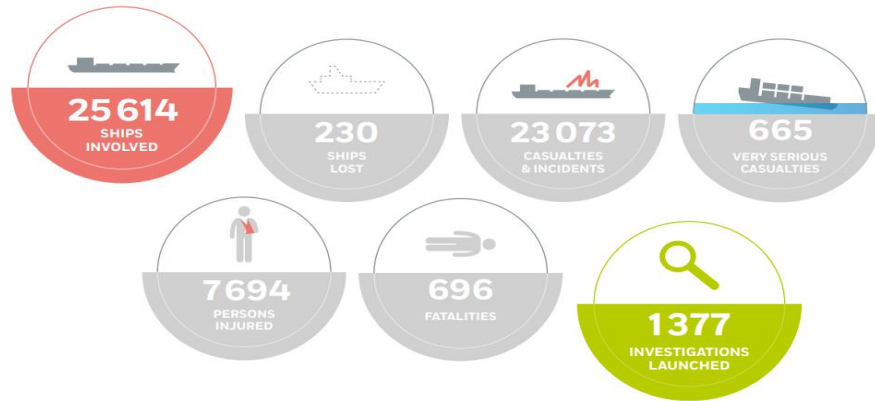
Marine casualties, injuries and fatalities

✓ ***Learning Objective;***

This section is aimed to raise awareness of maritime doctors on casualties likely to happen onboard. Upon completion of this section, trainers will be able to:

- What is Marine Casualty?
- Explain what is Accident, Incident and Injury
- Familiarize on most common types of marine casualties
- Contributing Factors of Accident Events
- Deviation of Injuries and Fatalities

What is Marine Casualty?



Key Figures for 2011-2018 (EMSA, 2019)

TOTAL LOSSES BY TYPE OF VESSEL: 2010-2019

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	TOTAL
Cargo	62	37	62	40	31	40	34	54	17	15	392
Fishery	22	14	12	13	15	16	10	8	12	9	131
Bulk	11	14	11	15	5	13	5	7	2	1	84
Passenger	3	7	7	8	11	6	11	5	6	3	67
Tug	7	2	7	7	7	6	7	4	4	3	54
Chemical/Product	6	4	8	10	2	3	7	4	1		45
Container	5	3	7	4	4	5	5	3	2	1	39
Ro-ro	1	3	6	2	5	6	9		1	3	36
Supply/Offshore	2	2	3	2	3	3	2	2	1		20
Tanker	4	4	1		1			2	3		15
Dredger	2	2	1		1	1	1	3	2		13
Barge	1			3	1		3	1	2	1	12
LPG	1	1	1				1	1			5
Unknown				1		2	1			1	5
Other	3	5	3	6	4	4	3	1		4	33
Total	130	98	129	111	90	105	99	95	53	41	951

(Lloyd's List Intelligence Casualty Statistics ,2020)

Marine casualty:

Definition; an event, or a sequence of events, that has resulted in any of the following which has occurred directly in connection with the operations of a ship:

- the death of, or serious injury to, a person
- the loss of a person from a ship
- the loss, presumed loss or abandonment of a ship



Marine casualty:

- material damage to a ship



- severe damage to the environment brought about by the damage of a ship



- the stranding or disabling of a ship



Explain what is Accident, Incident and Injury

- **Marine Accident:** Any marine casualty or marine incident. Accidents may be classified (in order of severity) as follows:
 - ✓ **Very serious casualties**
 - ✓ **Serious casualties**
 - ✓ **Less serious casualties**
- **Marine incident** :means an event, or sequence of events, other than a marine casualty, which has occurred directly in connection with the operations of a ship that endangered.
- **Serious injury** means an injury which is sustained by a person, resulting in incapacitation where the person is unable to function normally for more than 72 hours, commencing within seven days from the date when the injury was suffered.

Familiarize on most common types of marine casualties

Casualty events:

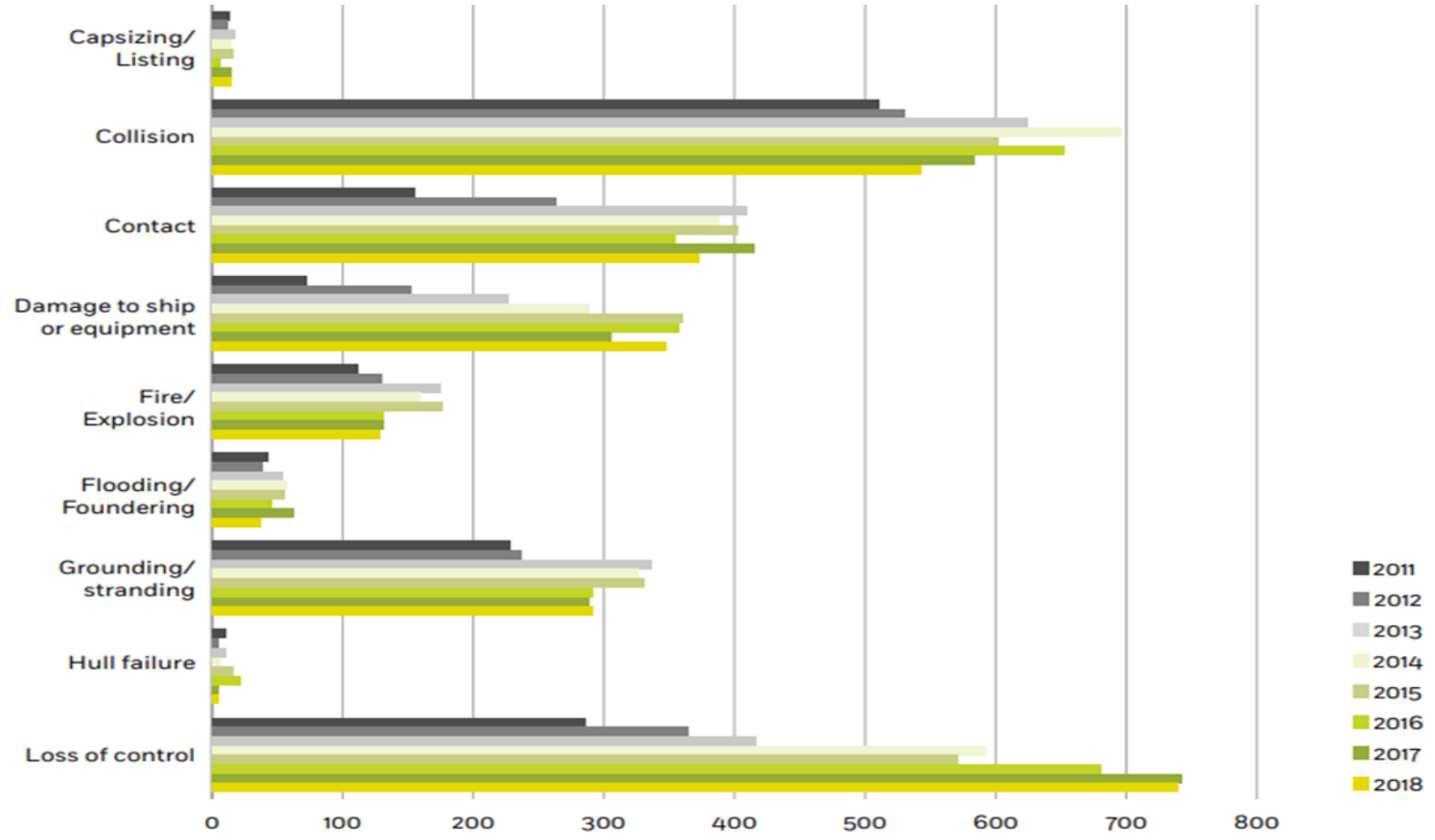


Familiarize on most common types of marine casualties

Casualty events:



Familiarize on most common types of marine casualties



Distribution of casualty events with a ship (EMSA, 2019)

Deviation of Injuries and Fatalities

Deviations: Marine casualties and incidents related to ‘occurrence with person(s)’ are classified as ‘deviations’.

Body movement under or with physical stress



Body movement without any physical stress



Breakage, bursting, splitting, fall, collapse of material agent



Deviation of Injuries and Fatalities

Deviations:

Deviation by overflow, overturn, leak, flow, vaporization, emission



Deviation due to electrical problems, explosion, fire



Loss of control of machine, means of transport, handling equipment, handheld tool, object, animal



Deviation of Injuries and Fatalities

Deviations:

Slipping - Stumbling and falling - Fall of persons



Shock, fright, violence, aggression, threat, presence



Deviation of Injuries and Fatalities

Causes of accidents to persons (EMSA, 2020)



References

[1] International Labour Conference. (2006), Maritime Labour Convention, 2006

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[3] World Health Organization. (2007). International medical guide for ships: including the ship's medicine chest. World Health Organization.

[4] Norwegian Maritime Medical Centre. (2006). Recommendations for Ship Medical Facilities, Issue / revision 1/0.

http://www.imo.org/en/KnowledgeCentre/Resources_for_Seafarers/Seafarersrights/Pages/default.aspx

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