



Cefor

THE 2019 CEFOR NOMIS COASTAL HULL REPORT

(SMALL CRAFT & FISHING VESSELS)

Nordic Marine Insurance Statistics as of 31 December 2019

COASTAL HULL – INCLUDED DATA

- Underwriting years 1996-2019
- All vessels
 - of type 'Fishing'
 - $\leq 5,000$ gross ton or ≤ 15 m length
(but excluding supply/offshore vessels; for these and all larger tonnage see: 'The 2019 Cefor NoMIS ocean hull report')
- If not indicated otherwise, figures are presented
 - In Norwegian kroner NOK
 - on accident year basis
(claims allocated to the calendar year in which the claim occurred).
 - as reported by 31 December 2019
(i.e. without IBNR loading for claims not yet registered or incurred by this date).

COASTAL HULL – CONTENTS

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Key figures: Breakdown of number of vessels, Claims frequency, Claim cost per vessel/per Sum Insured, Average claim cost

Legal disclaimer Cefor provides the statistics material in this presentation for general information purposes only. All key figures are derived from the Cefor portfolio, which reflects a certain percentage of the world fleet, the selection of vessels being biased by Nordic underwriting preferences. Therefore Cefor can accept no responsibility and shall not be liable for any loss which may arise from reliance upon the information provided.

With reference to Commission Regulation (EC) No 267/2010 on the application of Article 101(3) and the European Commission's Guidelines for the Assessment of Horizontal Agreements (the "Horizontal Guidelines"), we further stress that the statistical data presented in this publication is non-binding in its character.

THE NORDIC MARINE INSURANCE DATABASE

The **Nordic Marine Insurance Statistics (NoMIS)** is a joint database project of Cefor members active on the Hull & Machinery market to compile insurance data and vessel characteristics for statistical purposes. The database is administered by Cefor.

From its foundation in 1985 until 1997, the data was compiled by appointing Cefor a facultative reinsurer to which members of the Norwegian Hull Agreement ceded 0.1% of their H&M insurance. Premium and claims information was exchanged via Borderaux, the lead insurer providing details of each claim.

In 1996, the hull agreement was discontinued, but the statistics cooperation continued. In 1998, steps were taken to update the NoMIS' database electronically instead of manually. Since 1999 Cefor thus has been able to issue up-to-date hull trends regularly throughout the year. In addition, the scope of reporting was extended substantially by including non-lead business. The electronically updated figures capture all underwriting years from 1995 until today.

In the following years, new Cefor members joined the NoMIS cooperation, adding data from 1995 underwriting year. In 2009, Gjensidige and Tryg joined, reporting data from 2000 (2003) underwriting year. Alandia joined in 2012, reporting data from 2005 underwriting year. In addition, If extended its scope of reporting to business written from all Nordic countries.

In 2015, the reporting format was modernized and the database migrated to a new technical platform. Since 2016, all members report according to the modernized reporting format.

In 2016, Skuld joined the NoMIS cooperation, reporting data from 2011 underwriting year.

In 2018, Cefor revised its claims codes in order to better identify the initial cause of a casualty.

By 31st December 2019, in all 189,267 vessel years and 32,854 claims were registered on underwriting years 1995 through 2019 for the 'coastal' portfolio including small craft and fishing vessels (see definition on front page).

The NoMIS statistics in this report comprise mainly data from the following marine insurers: Alandia, Codan, Gjensidige, If, Gard, NEMI (until 2009), Norwegian Hull Club, Skuld, Tryg (until 2008) and mutual coastal hull clubs.

COASTAL HULL REPORT – DEFINITIONS

All amounts in the Coastal Hull Report are presented in NOK!

Rate of exchange applicable to convert the figures from the original currencies into NOK:

Insured values: av. rate of exchange of the month the insurance coverage gets into force

Paid claims: av. rate of exchange of the month of the payment transaction

Outstanding claims: av. rate of exchange of December 2019

Underwriting year = year in which the insurance policy attaches

All claims are net of any applicable deductibles.

Total Claims = Paid claims + Outstanding claims

TLO (total losses) = claims in excess of 75% of the Sum Insured

Partial Losses = all claims \leq 75% of the Sum Insured

IBNR ("Incurred but not reported") = reserve for claims adjustments and registration backlog

1 According to Clause 11-3 of the Nordic Marine Insurance Plan, a constructive total loss (CTL) is defined as a claim exceeding 80% of the sum insured (www.nordicplan.org). To cater for currency conversion issues, the Cefor Statistics Forum includes in its total loss statistics all claims exceeding 75% of the sum insured.

COASTAL HULL REPORT – DEFINITIONS

Types of vessels specified

<u>Vessel Type group</u>	<u>Vessels Types included</u>	<u>Lloyd's List Intelligence</u>
BULK ¹⁾	Bulk, Ore, Cement	BAC, BBU, BCB, BCE, BOR, BWC
CAR/RORO ³⁾	Car Carrier, RoRo	MVE, URC, URR
CARGO ¹⁾	Dry Cargo, General Cargo, Reefers, Pallett Vessels, Animal Transport Vessels	GCT, GGC, GPC, GRF, MLV
CHEM./PRODUCT ²⁾	Chemical Carriers, Product / Acid / Edible Oil / Fish Oil / Fruit Juice / Wine / Molasses / Waste/ Water Tankers	TAC, TCH, TCO, TEO, TFJ, TFO TMO, TPD, TWA, TWN, TWT
CONTAINER ¹⁾	Container	UCC, UCR
FISHING	Fishing vessels	FFC, FFF, FFP, FFS, FTR,FWF,FWH
LNG/LPG ²⁾	Gas Carriers LNG, LPG, LNG/LPG	LBK, LCN, LNG, LPG, LNP
OTHER ³⁾	any other ships and floating units, any codes not specifically defined otherwise, like Barges, Cranes, Floating Storage, Floating Production, Pollution Control Vessels, Mud boat, OBO, Research vessels, Cable, Seismic Search vessel, Flo/Flo, etc.	

COASTAL HULL REPORT – DEFINITIONS

Types of vessels specified contd.

<u>Vessel Type group</u>	<u>Vessels included</u>	<u>Lloyd's List Intelligence</u>
PASSENGER	All types of passenger vessels and ferries, Passenger/Roro, Highspeed Craft	LOF, LOP, MPR, OFY, OHF, OHS PRR, PZZ
SUPPL./OFF. ⁴⁾	Supply, Anchorhandling, Standby, Drilling Vessel, General Service Vessel, Supply (Tug, Anchor), Tug/Icebreaker	OBS, OBT, ODS, OIB, OIF, OIS, OIT, OLT, OMN, OMT, OOS, OPP, ORP, OSU, OSY, OSZ, OWO, XAA, XAF, XAG, XAH, XAT, XCT, XFF, XFS, XFT, XPT, XTG, XTI, XTP, XTR, XTS, XTT, XTX
TANK ²⁾	Tanker, Sludge Vessel, Crude Oil Tanker Asphalt Carriers, Bunkering Tanker, Naval Auxiliary	OSC, OTC, TAS, TBK, TCR, TNA, TRR, TTA, TUV

For the purpose of the coastal statistics, above vessel types are grouped at a higher level as follows:

1) defined as "CARGO"

2) defined as "TANK"

3) defined as "OTHER"

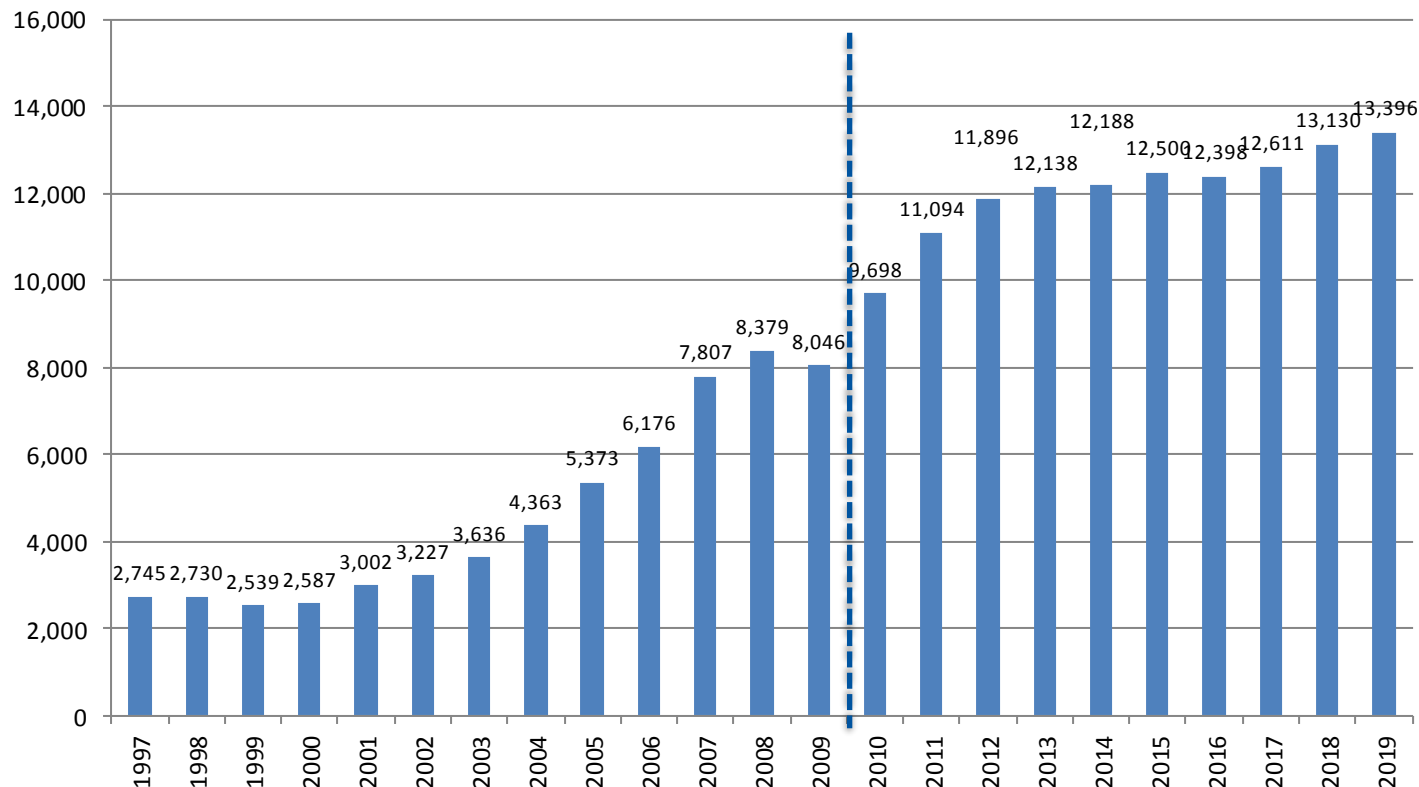
4) excluded from this report. For statistics on Supply/Offshore vessels, see «The Cefor **Ocean** hull report».

Excluded from the statistics in this report are the following offshore energy units:

LFP, LFR, LFS, LGP, LPS, TPD, TFP, TFS, YDP, YDS

COASTAL HULL – NUMBER OF VESSELS

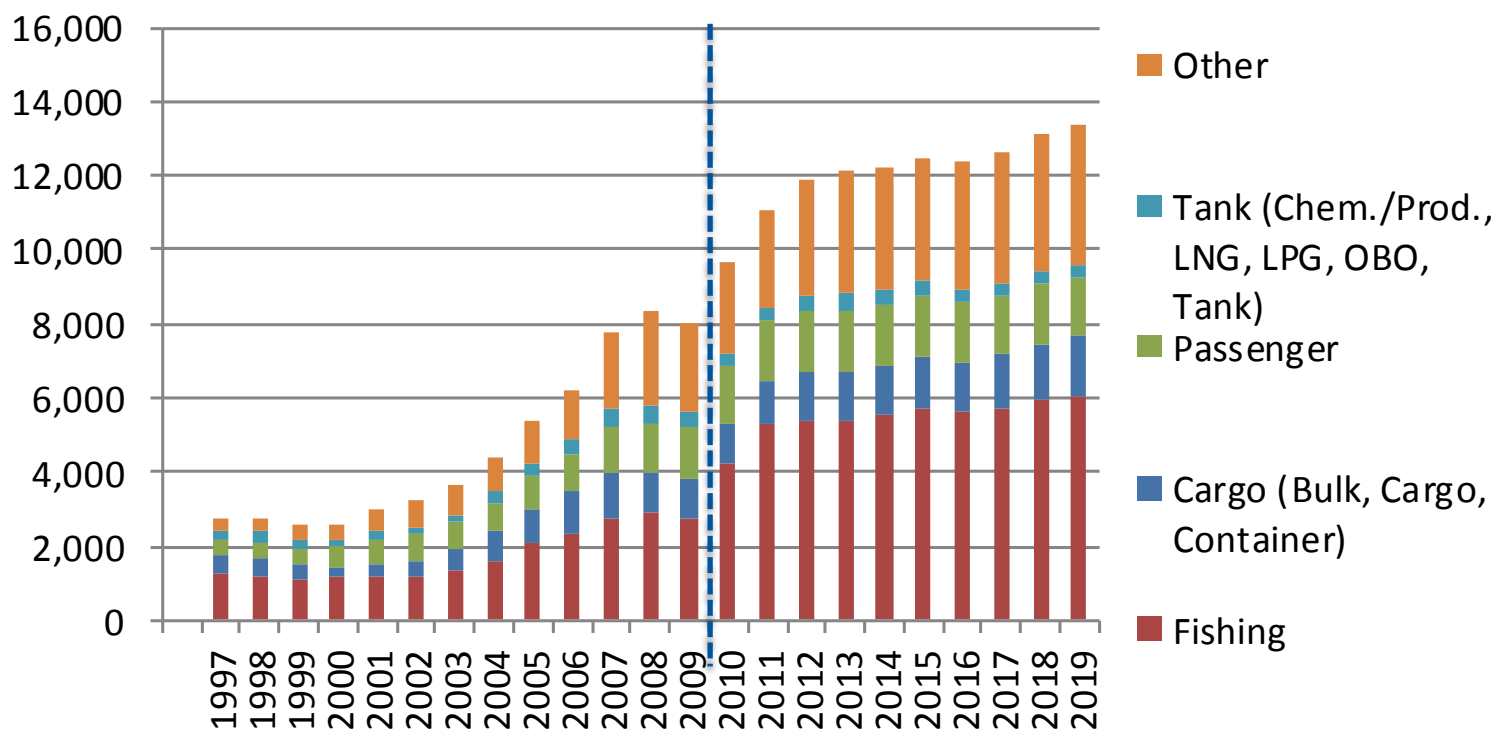
Number of vessels, by year of exposure



Above numbers include all vessels of type «fishing» and all vessels ≤ 5000 gross ton or ≤ 15 m length, with the exception of «Supply/Offshore» vessels, which are part of the ocean hull report.

COASTAL HULL – VESSELS BY TYPE

Number of vessels by type, by year of exposure

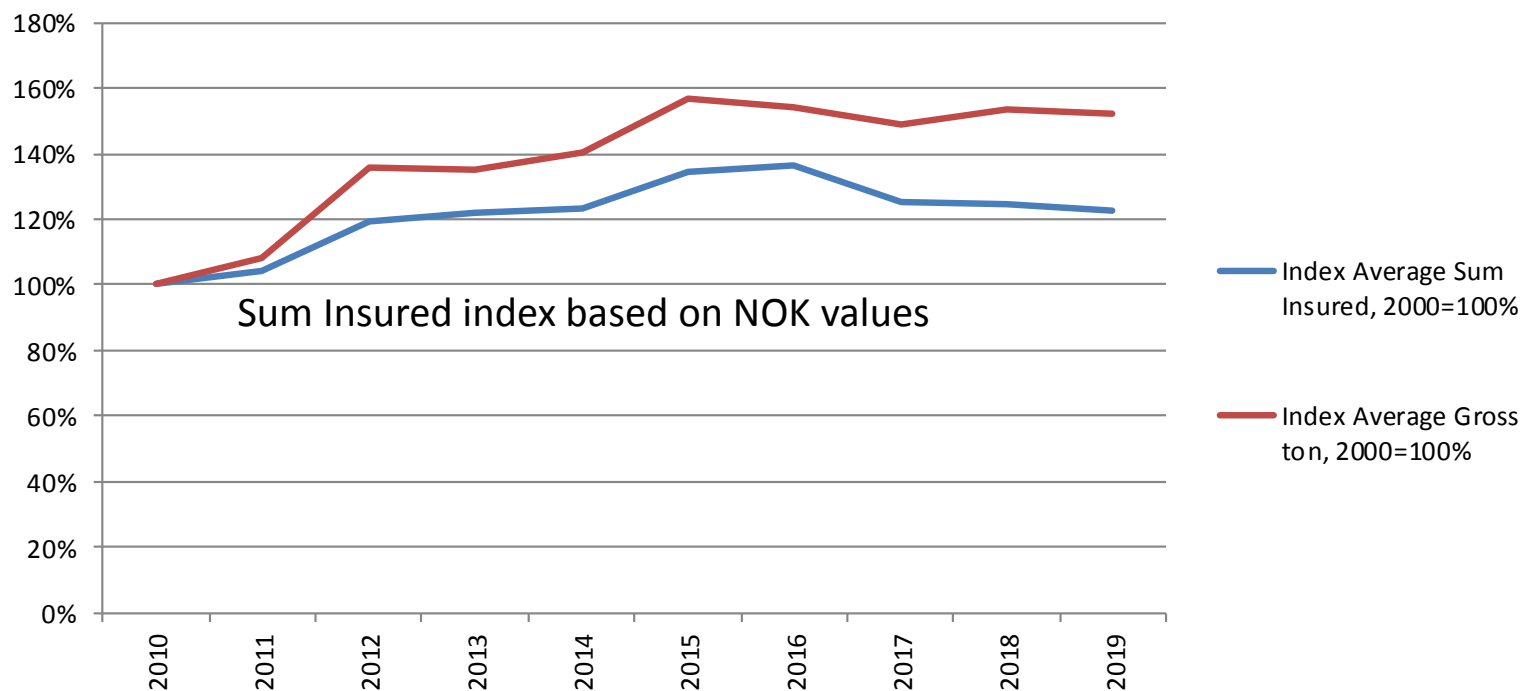


The inclusion of a larger portfolio of Norwegian coastal mutual led to a substantial increase in the number of reported vessels from 2010, especially for fishing vessels.

In the following, for better comparability/consistency all time lines are presented for the period 2010 to 2019.

COASTAL HULL – INDEX

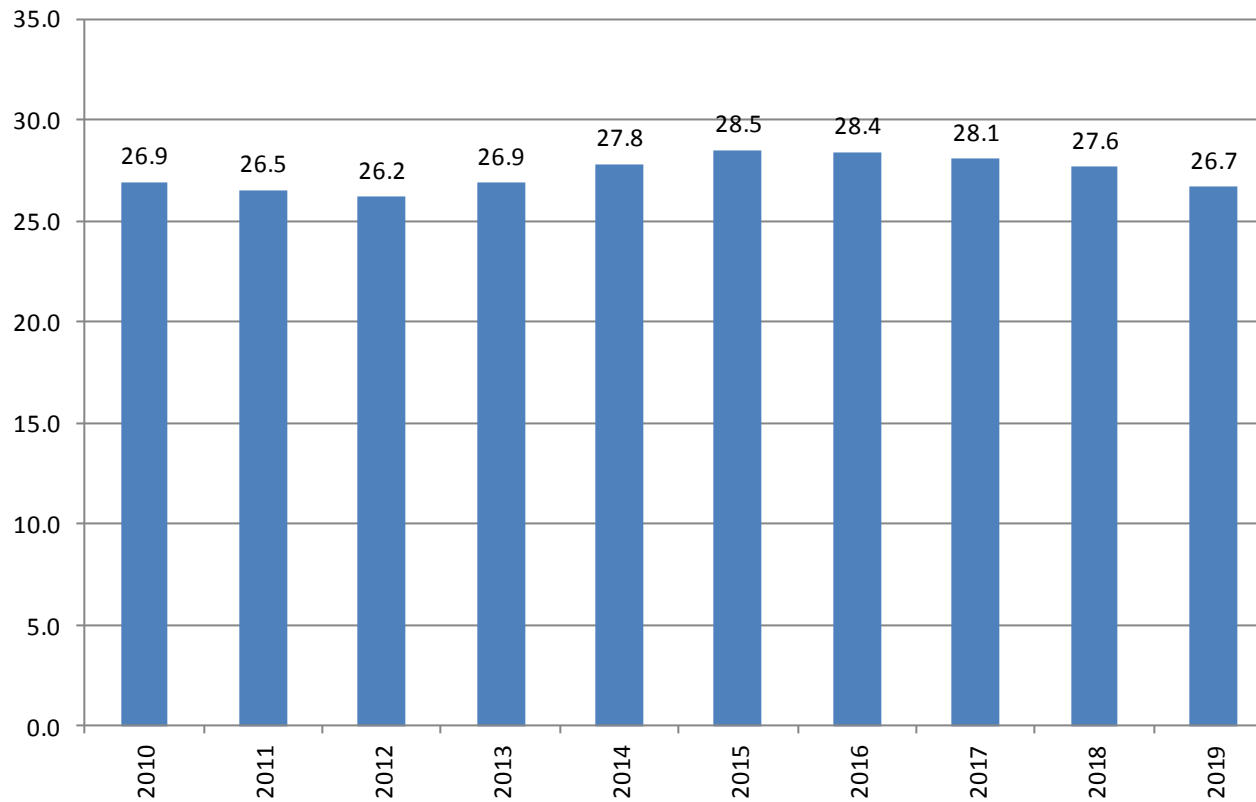
Evolution of average Sum insured and Gross ton, 2010=100%



Including renewed and new business by underwriting year.

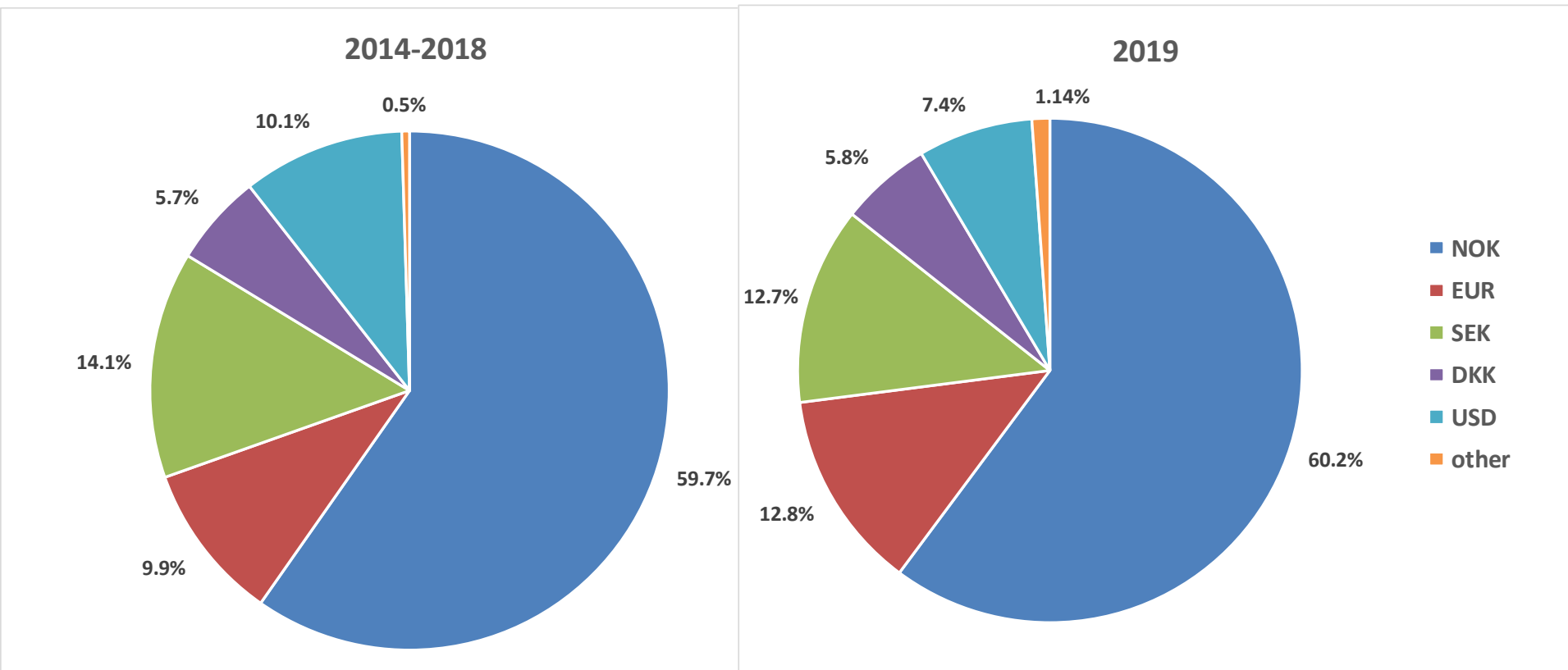
COASTAL HULL – AGE

Average age



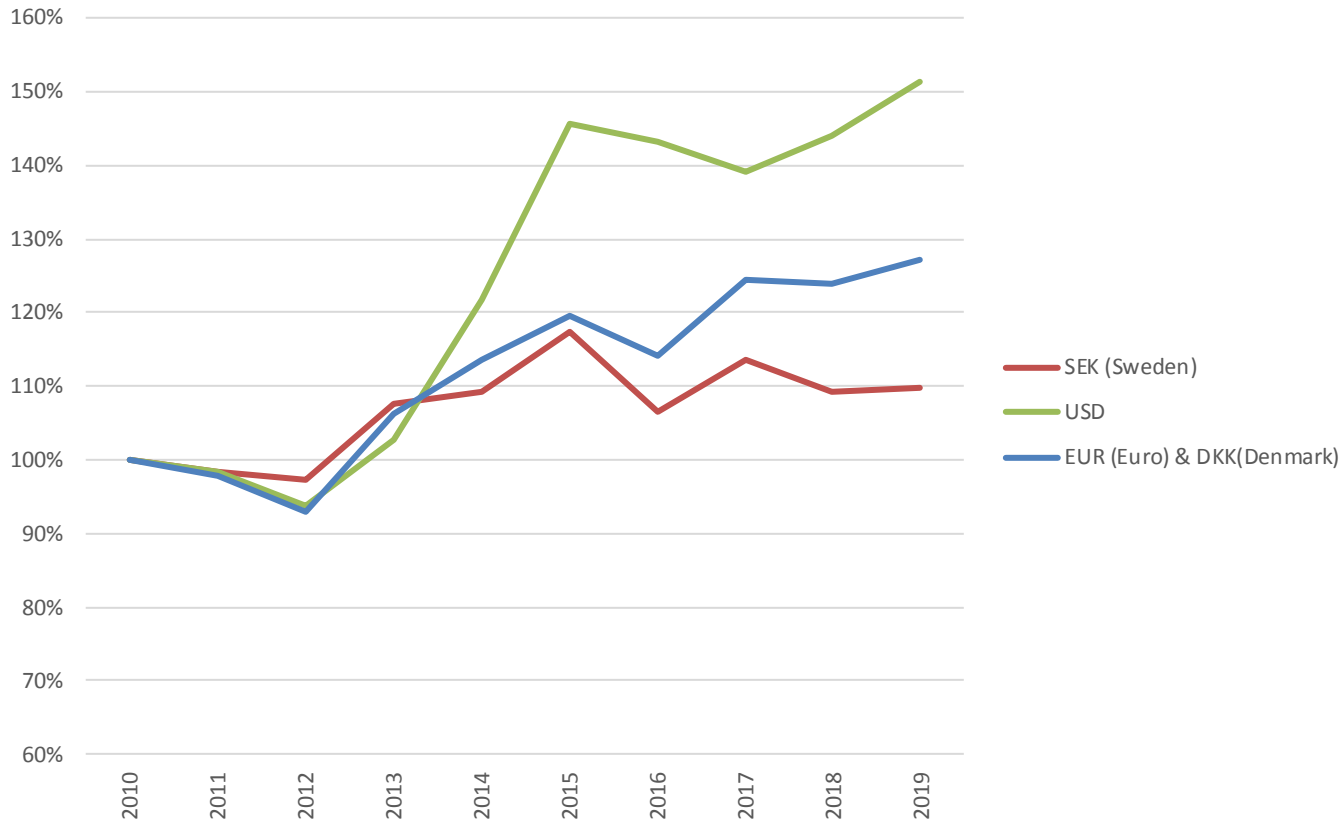
COASTAL HULL – BY CURRENCY

Number of vessels by original currency, by underwriting year



EXCHANGE RATES – NORDIC CURRENCIES

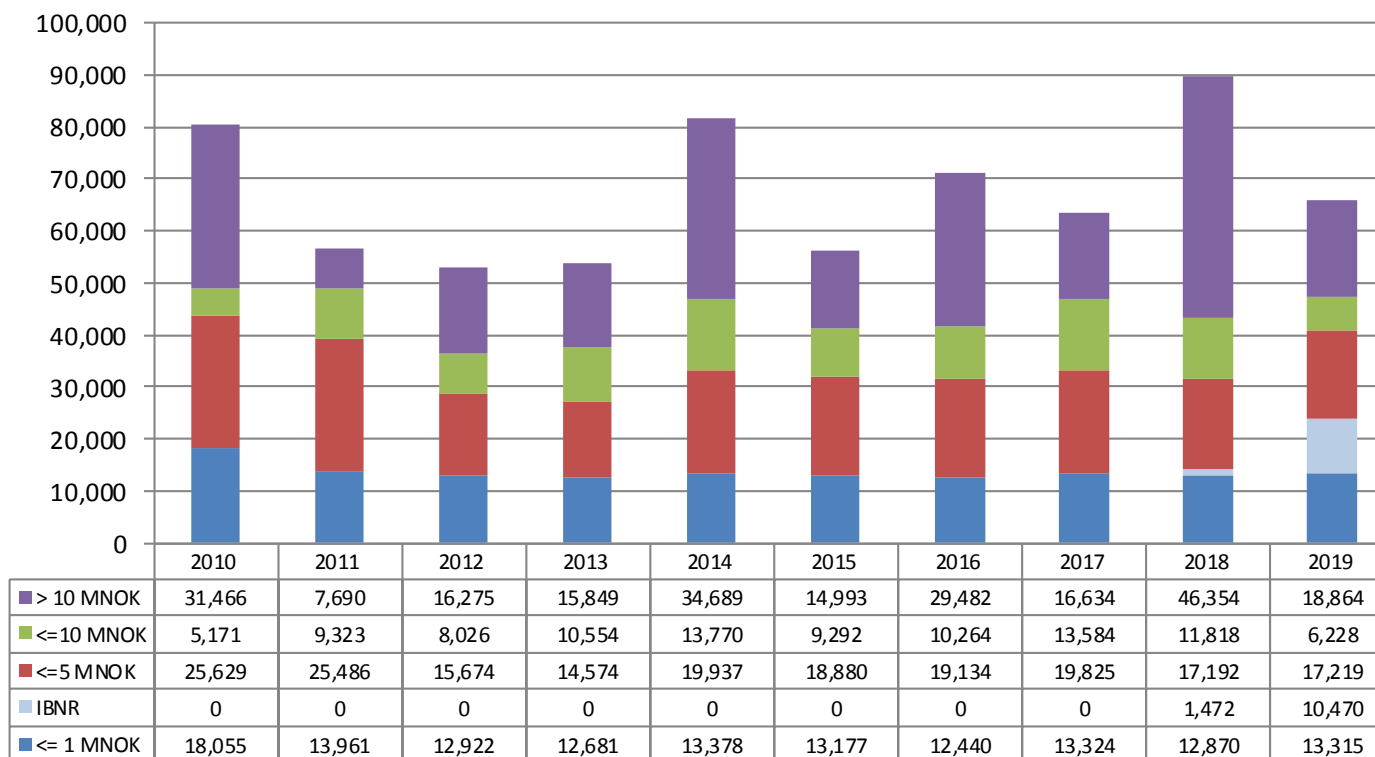
USD exchange rates against Nordic currencies and Euro, 2010 = 100%



COASTAL HULL – CLAIM COST

INCL. IBNR RESERVE FOR FREQUENCY OF PARTIAL CLAIMS

Claim per vessel (NOK), by date of loss



COASTAL HULL – CLAIMS BY TYPE

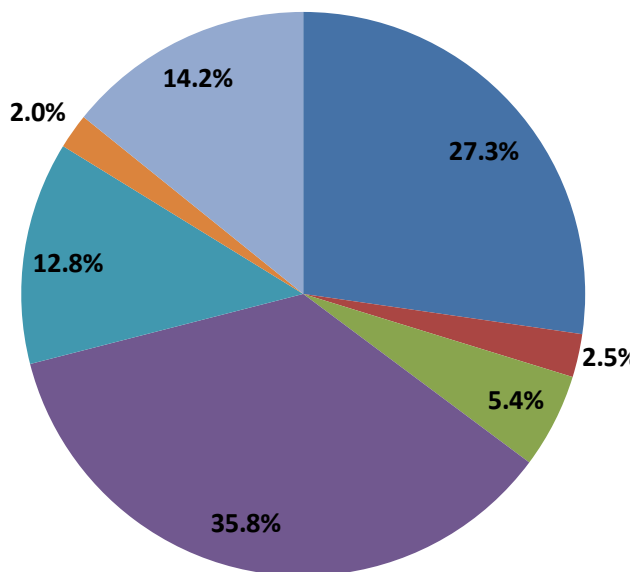
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

NoMIS

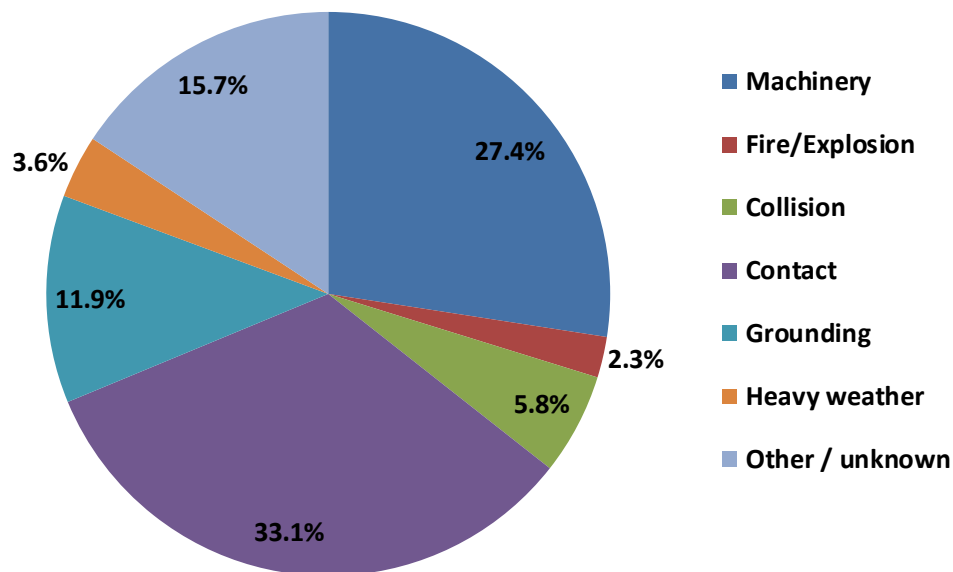
Nordic Marine
Insurance Statistics

Claims by Claims type

Number of claims
2014-2018



Number of claims
2019



Total number of claims:

2014-2018: 8,390

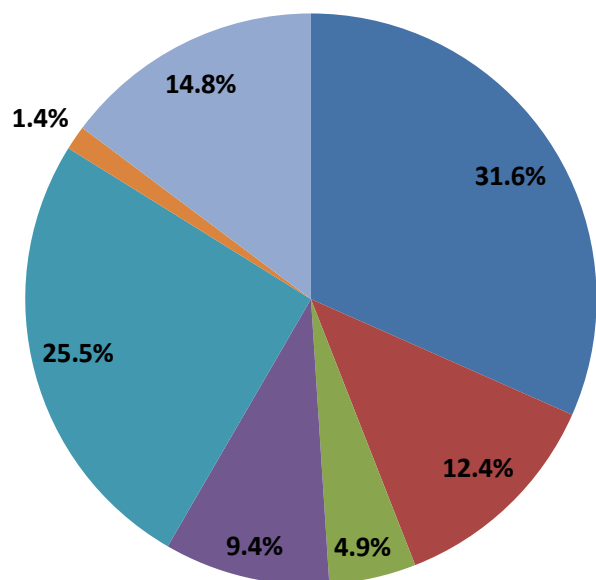
2019: 1,494

COASTAL HULL – CLAIMS BY TYPE

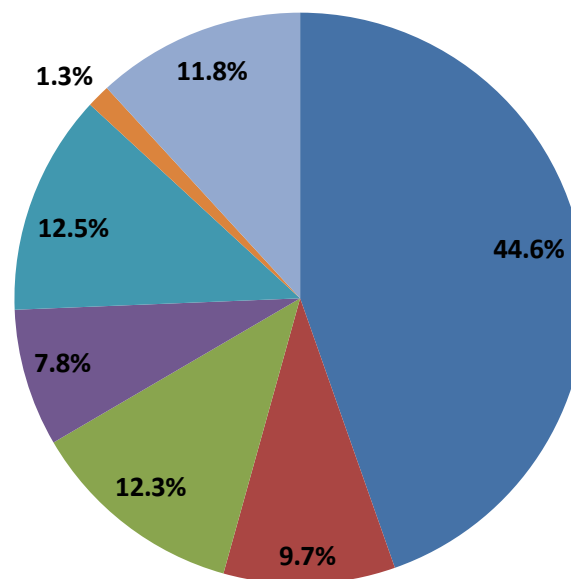
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims by Claims type

Cost of claims
2014-2018



Cost of claims
2019



- Machinery
- Fire/Explosion
- Collision
- Contact
- Grounding
- Heavy weather
- Other / unknown

Total cost, NOK million:

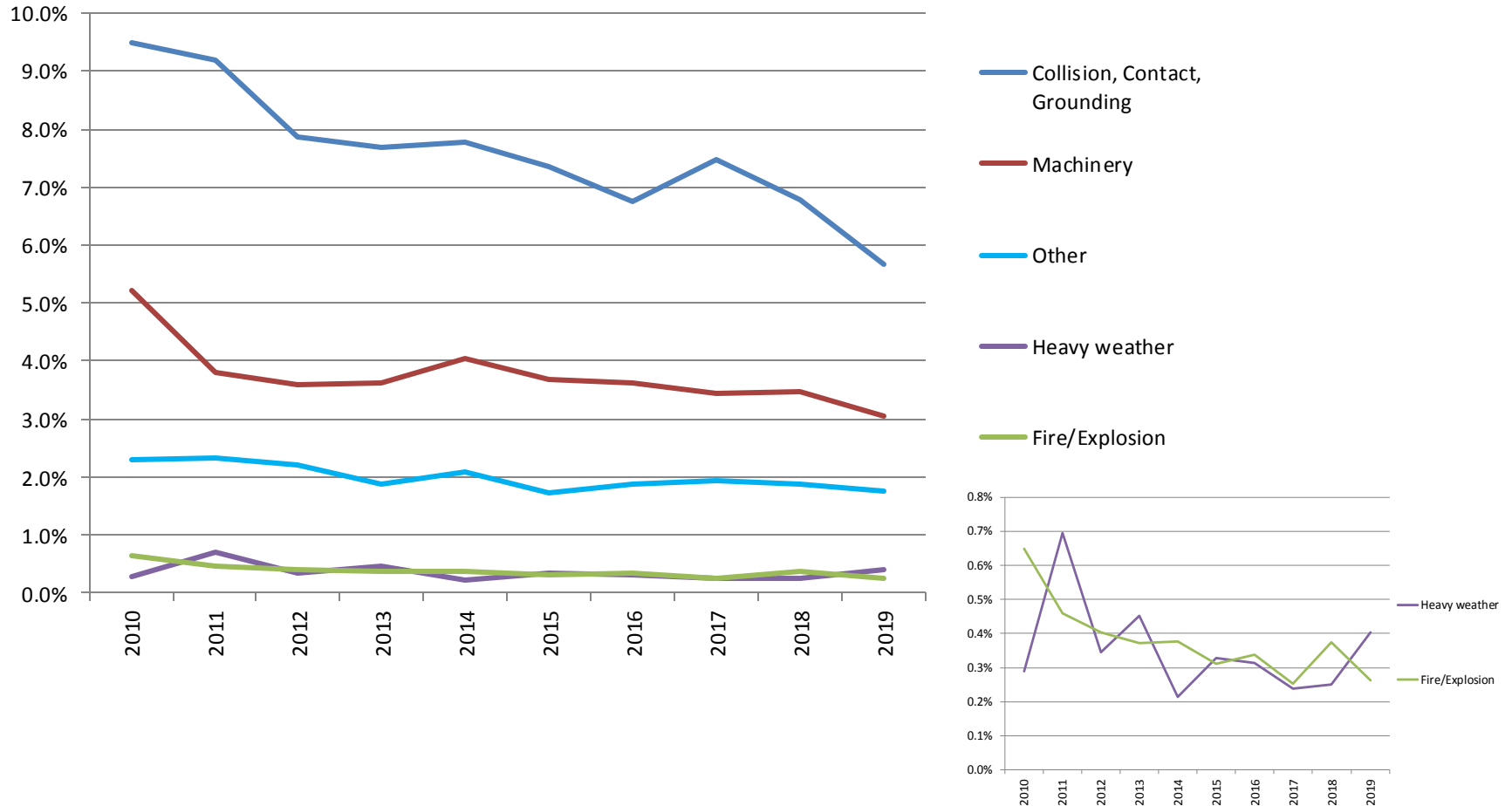
2014-2018: 4,542.7

2019: 745.2

COASTAL HULL – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

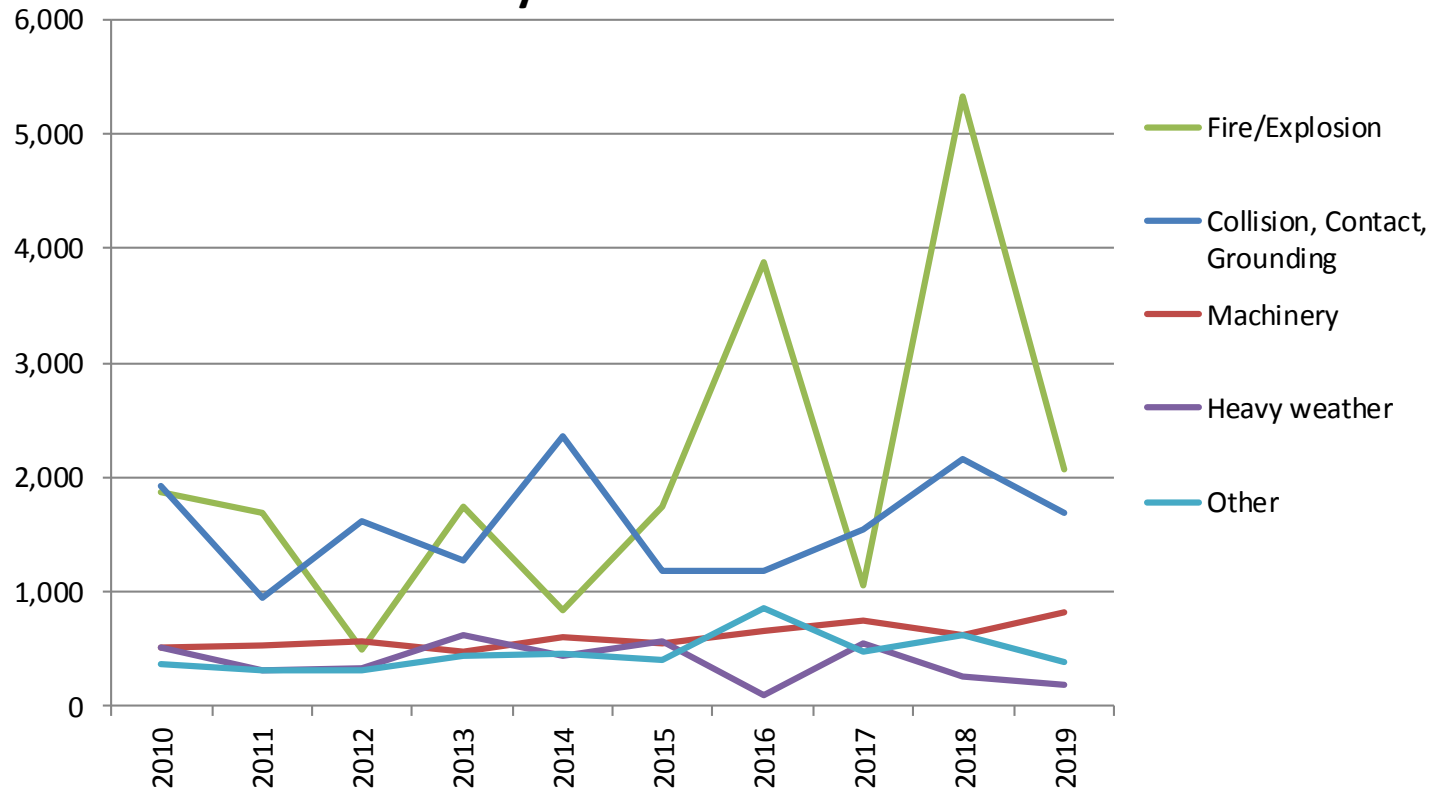
Claims frequency by type of casualty, by date of loss



COASTAL HULL – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

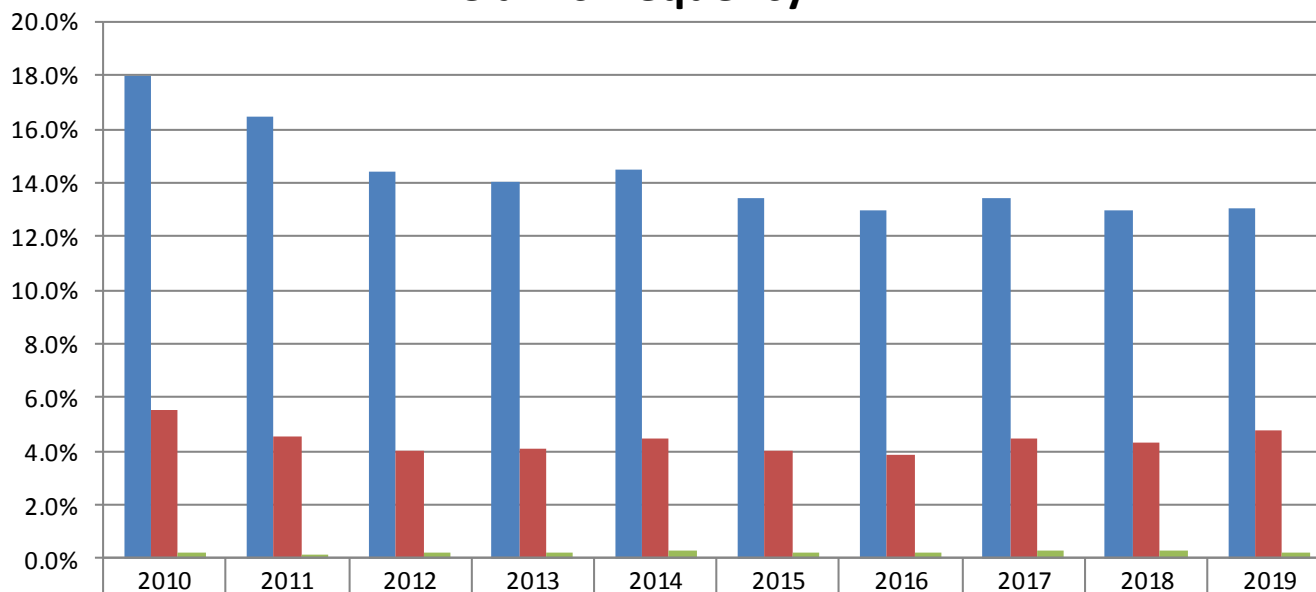
**Average claim cost (NOK 1,000) by type of casualty,
by date of loss**



COASTAL HULL – CLAIMS FREQUENCY

INCL. IBNR RESERVE FOR FREQUENCY OF PARTIAL CLAIMS

Claims frequency

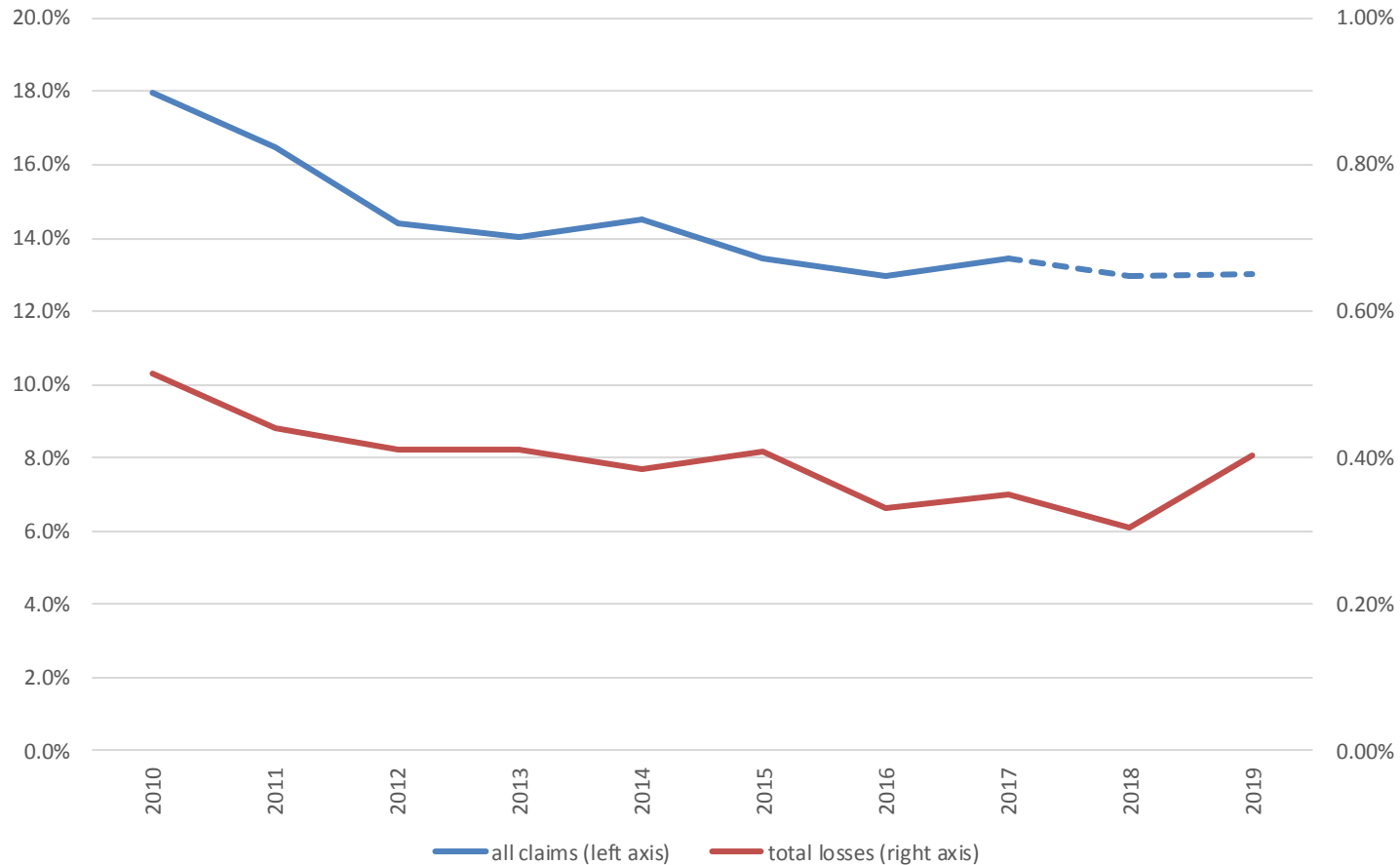


	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
all claims	18.0%	16.5%	14.4%	14.0%	14.5%	13.4%	13.0%	13.4%	13.0%	13.1%
> 100,000 NOK	5.5%	4.5%	4.0%	4.1%	4.4%	4.0%	3.8%	4.5%	4.3%	4.8%
> 5,000,000 NOK	0.21%	0.15%	0.19%	0.24%	0.28%	0.22%	0.24%	0.30%	0.32%	0.19%

Comment: Claims < 100,000 NOK account for more than half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles will have impact on the registered frequency.

COASTAL HULL – CLAIMS FREQUENCY

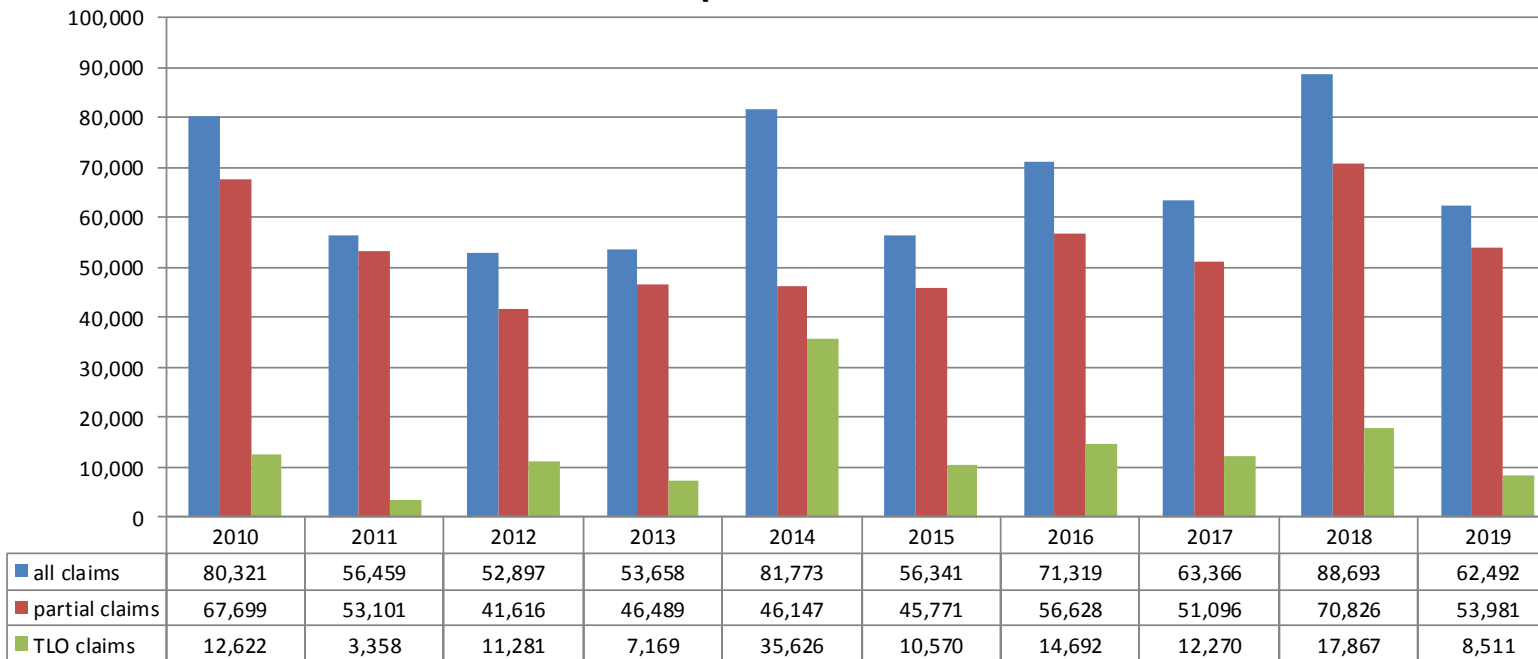
INCL. IBNR RESERVE FOR FREQUENCY OF PARTIAL CLAIMS



COASTAL HULL – CLAIM PER VESSEL

INCL. IBNR RESERVE FOR PARTIAL CLAIMS

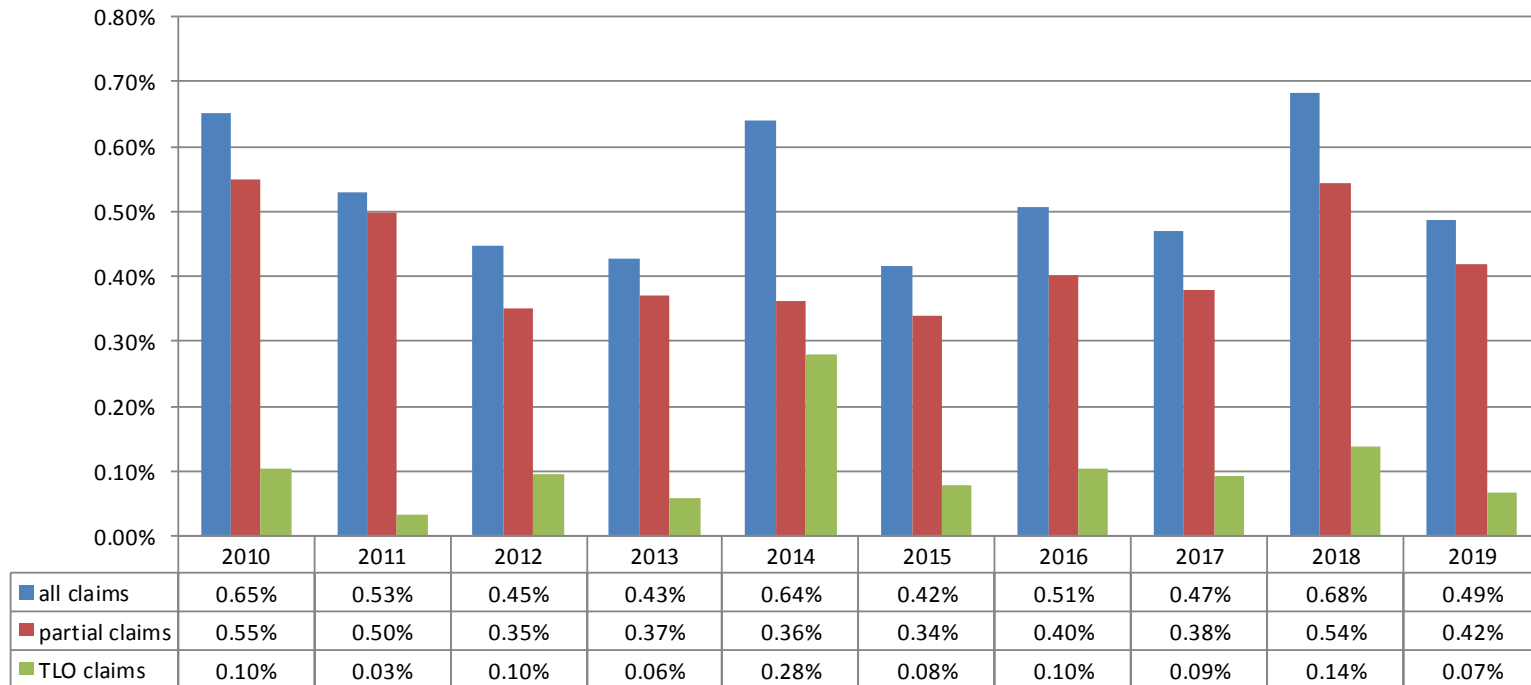
Claim per Vessel



COASTAL HULL – CLAIM PER VALUE

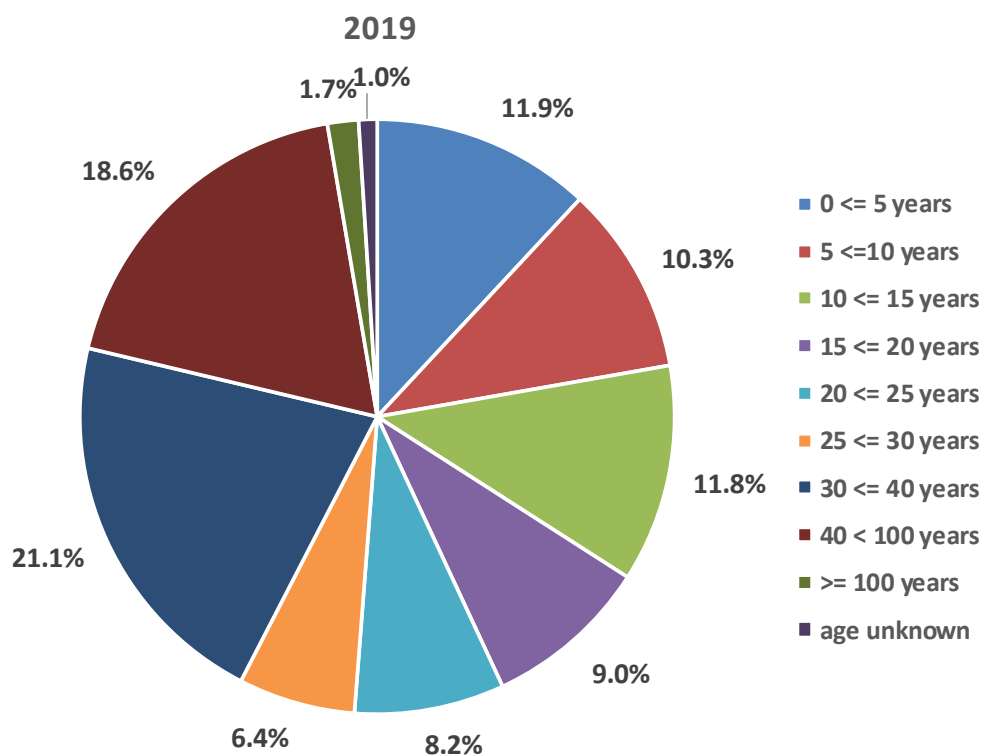
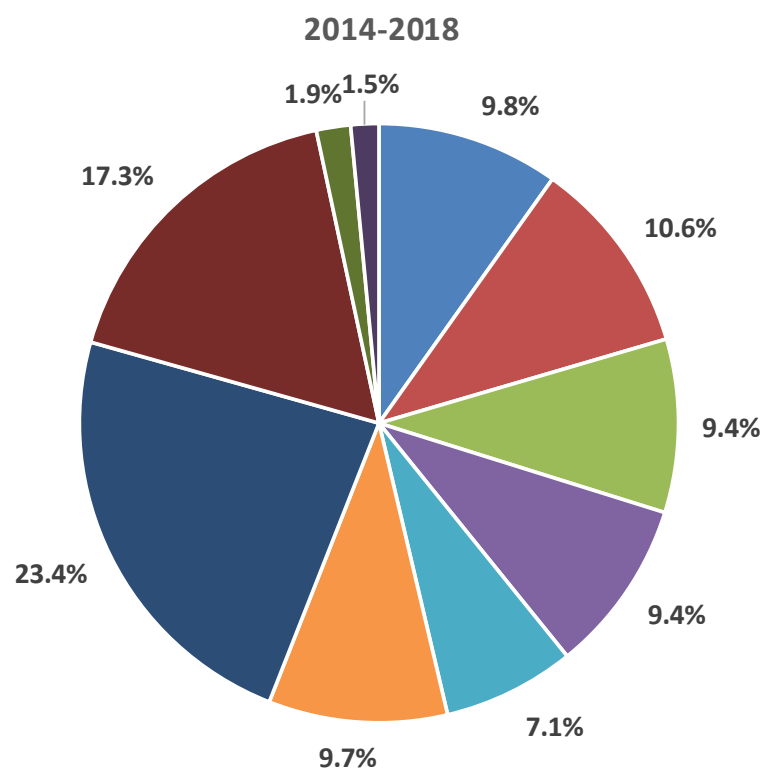
INCL. IBNR RESERVE FOR PARTIAL CLAIMS

Claim per Sum Insured



COASTAL HULL – BY AGE GROUP

Number of vessels per age group, by year of exposure



Total number of vessels:

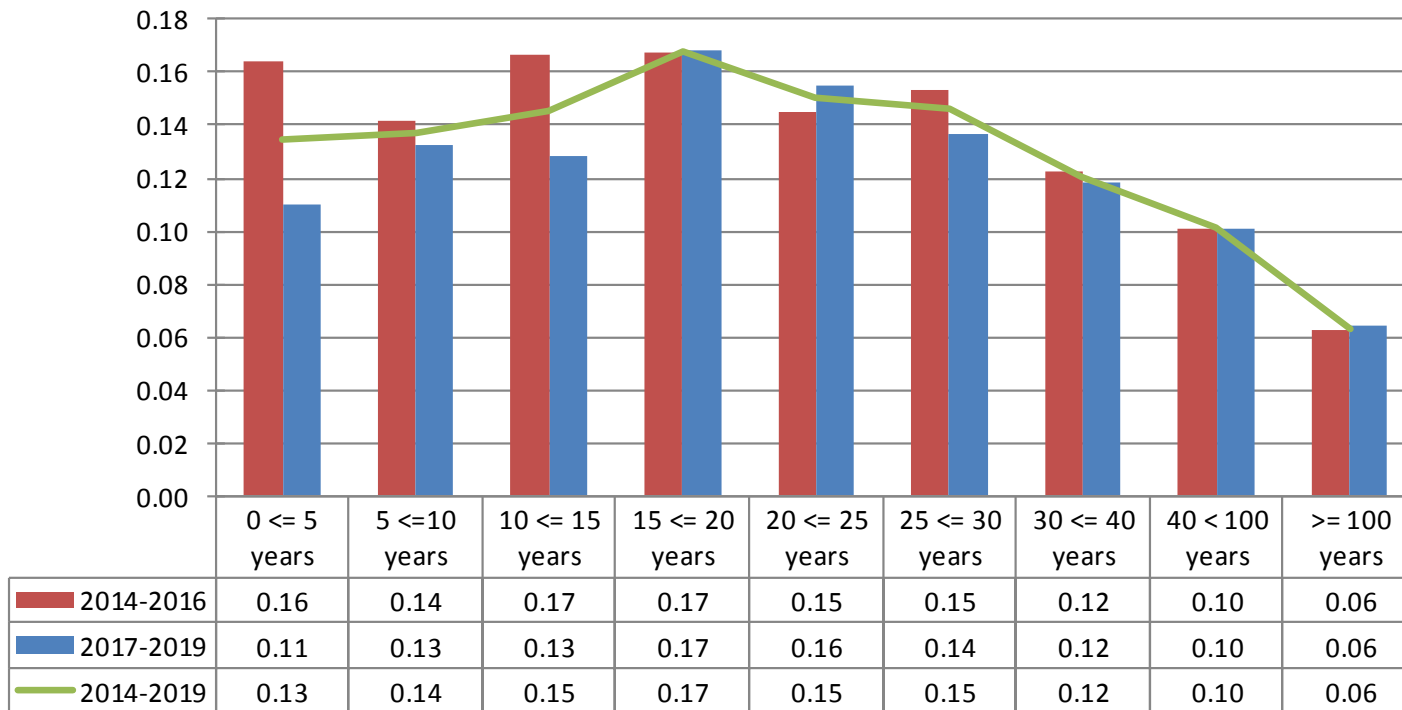
2014-2018: 62,826

2019: 13,396

COASTAL HULL – BY AGE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency per age group

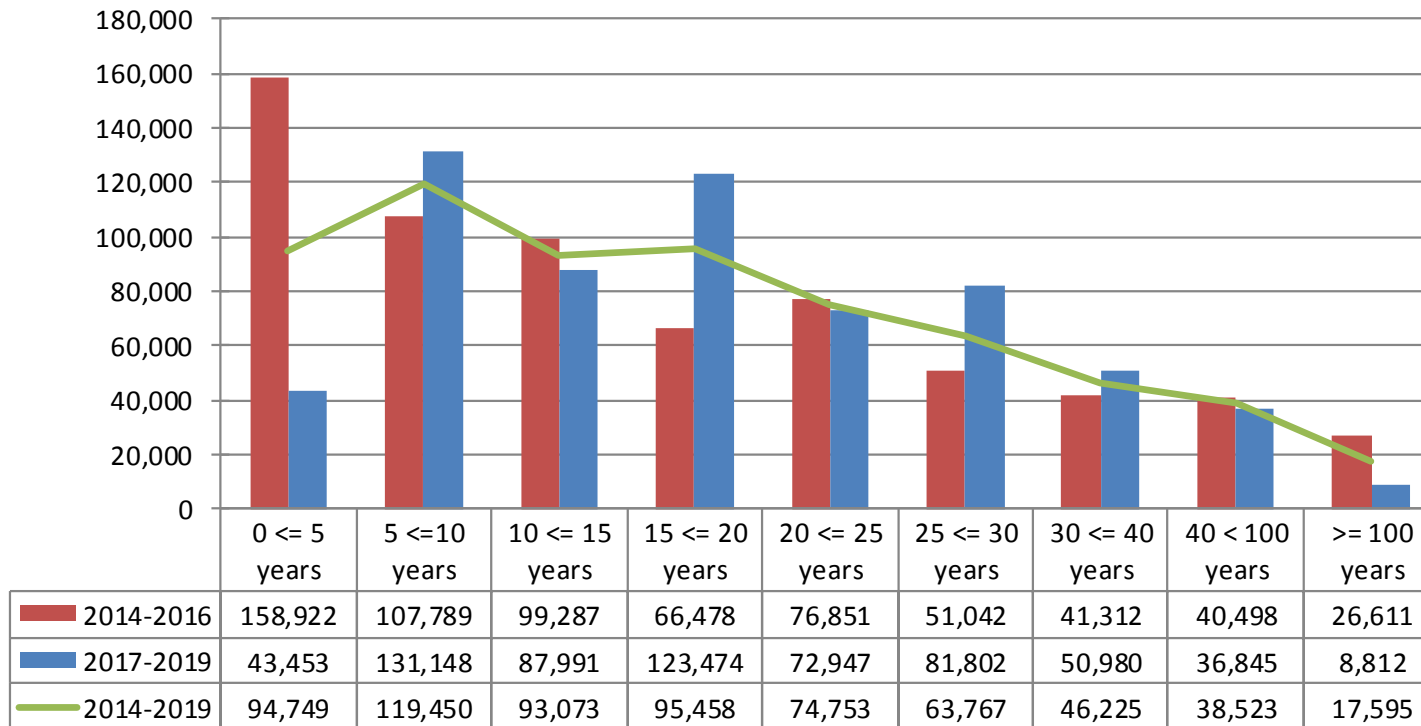


Comment: Claims < 100.000 NOK account for about half of all claims. Registration of these may vary over time and in each company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles will have impact on the registered frequency

COASTAL HULL – BY AGE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

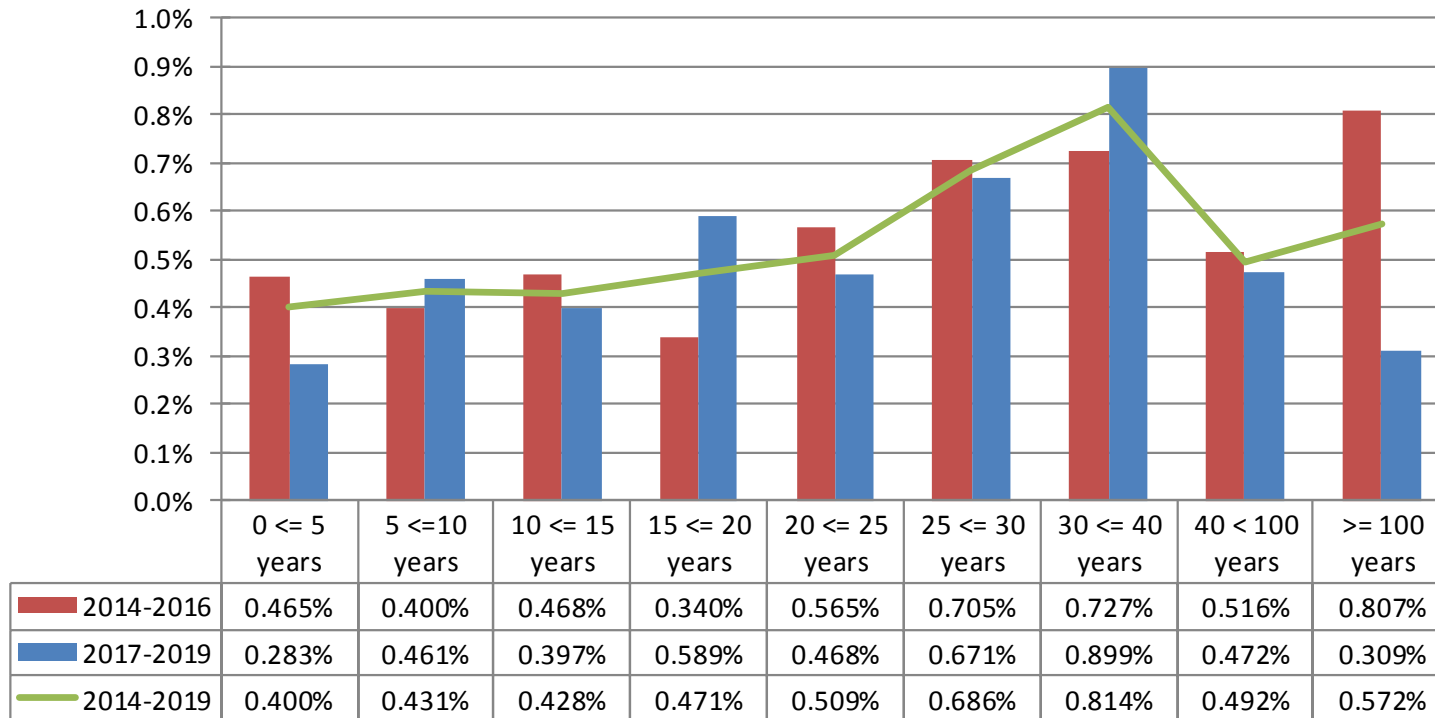
Claim per vessel per age group



COASTAL HULL – BY AGE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

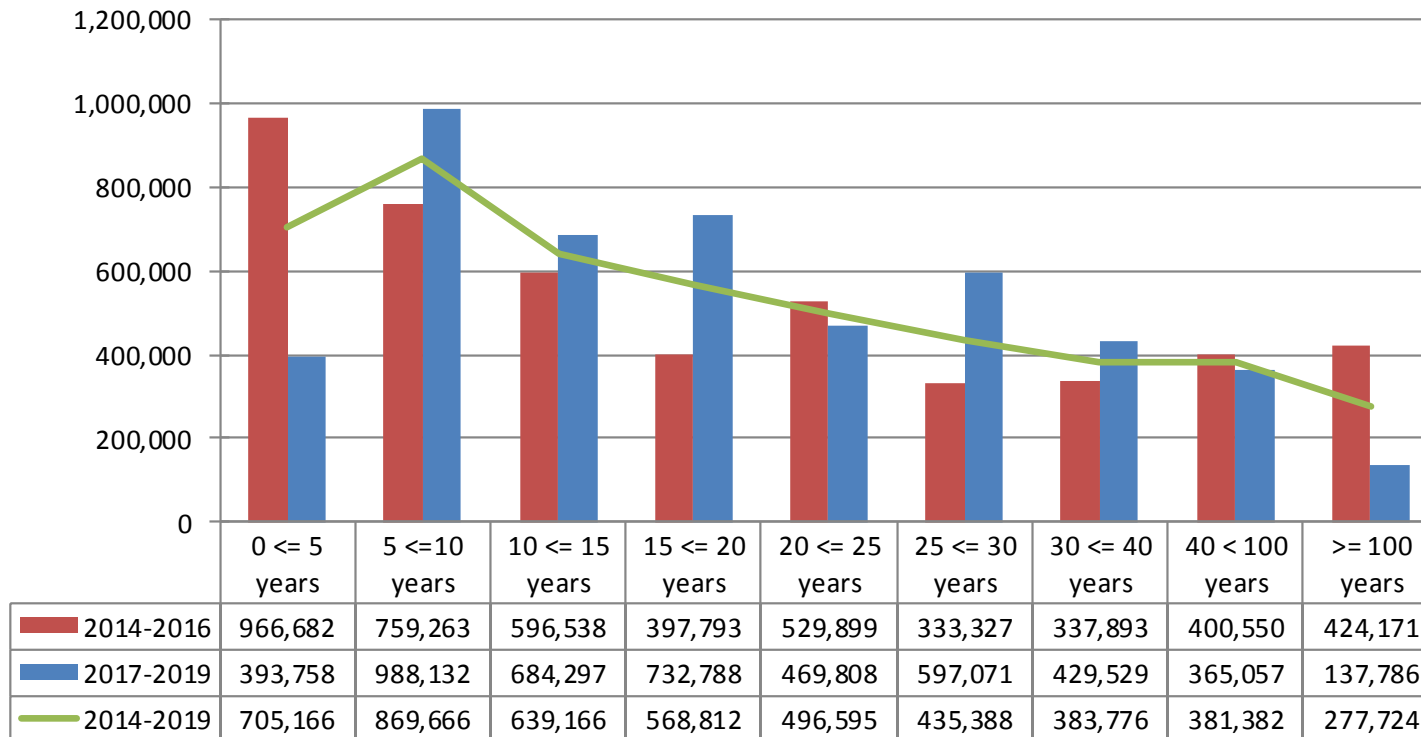
Claim per Sum Insured per age group



COASTAL HULL – BY AGE GROUP

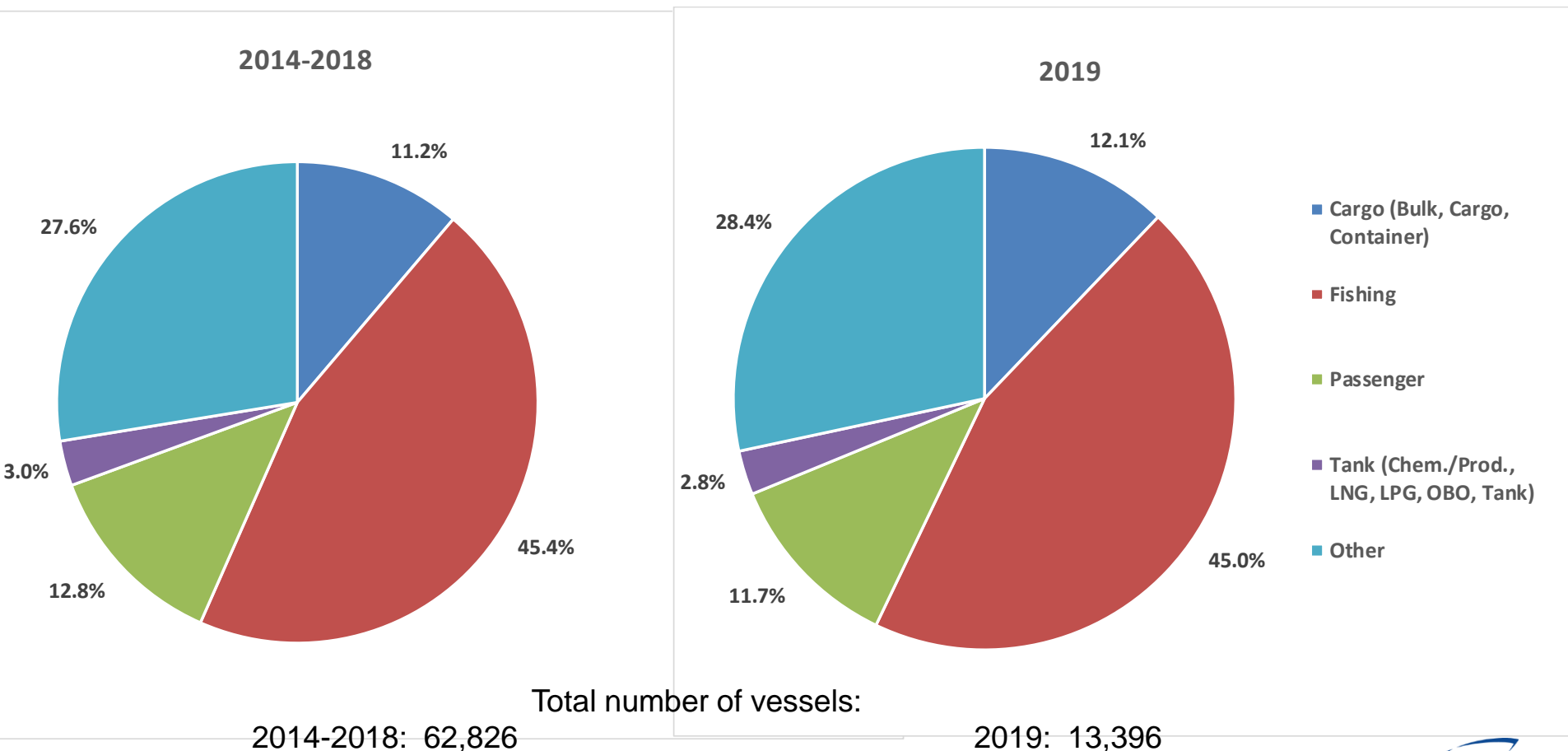
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average claim cost per age group



COASTAL HULL – BY VESSEL TYPE

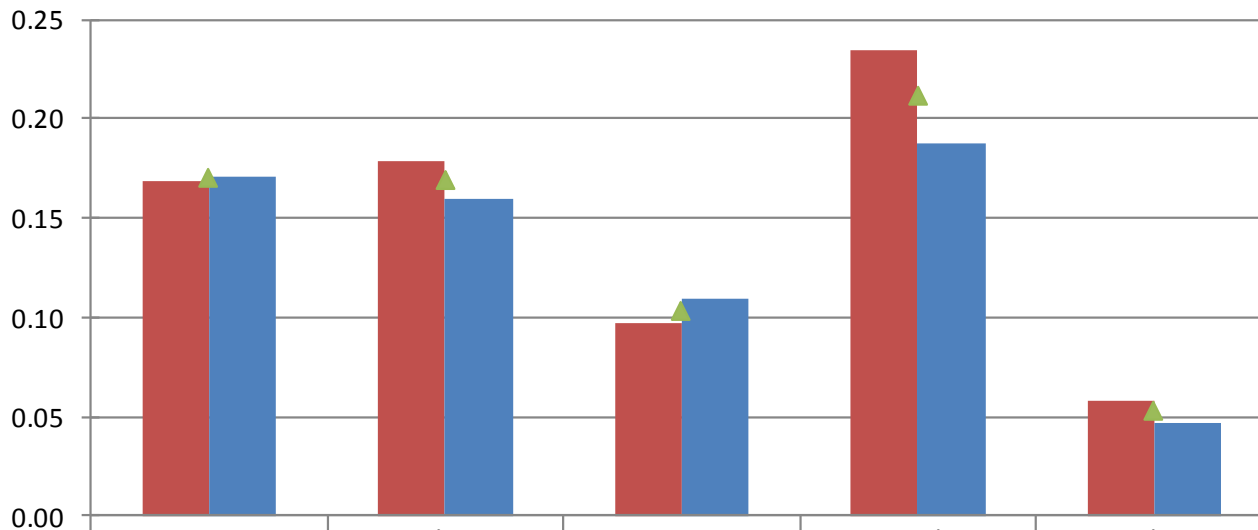
Number of vessels per vessel type, by year of exposure



COASTAL HULL – BY VESSEL TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency per vessel type group



	Cargo	Fishing	Passenger	Tank	Other
■ 2014-2016	0.17	0.18	0.10	0.23	0.06
■ 2017-2018	0.17	0.16	0.11	0.19	0.05
▲ 2014-2019	0.17	0.17	0.10	0.21	0.05

"Cargo" includes Bulk, Cargo, Container vessels.

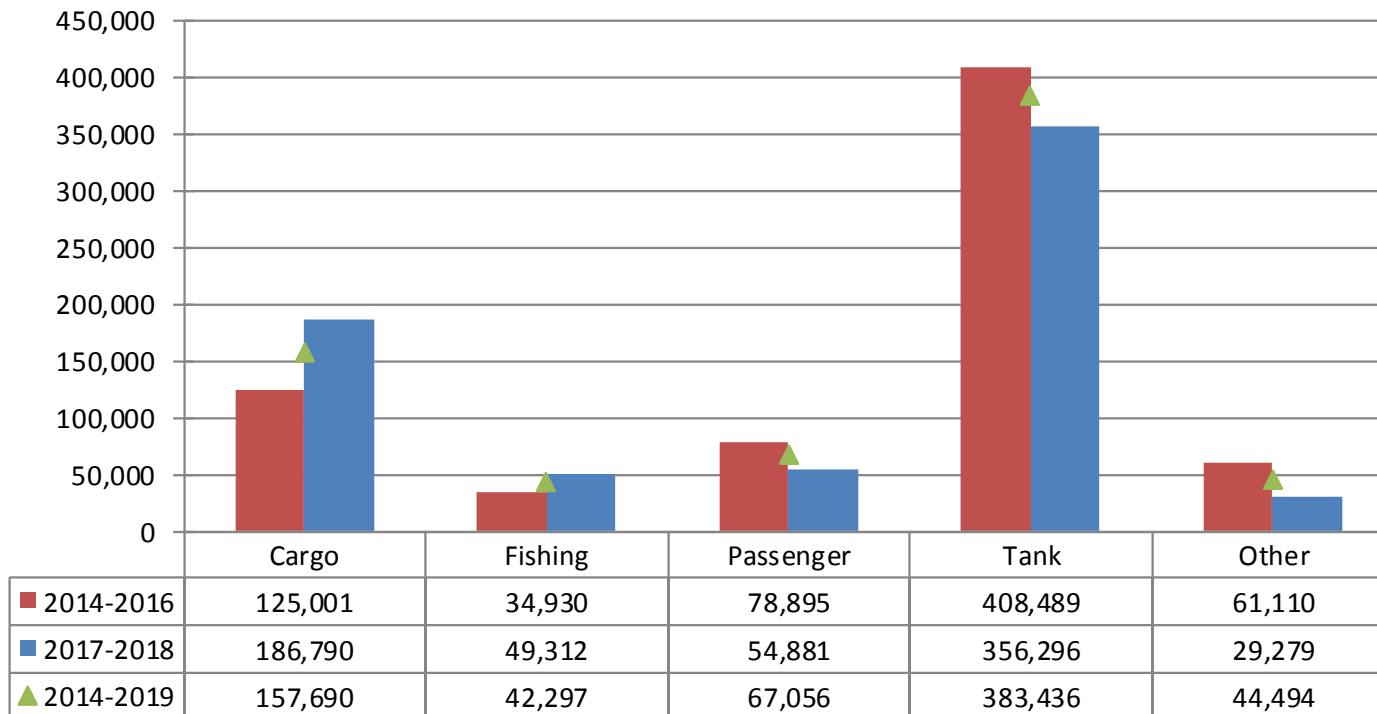
"Tank" includes Chemical/Product, LNG/LPG and other tank vessels.

Claims < 100,000 NOK account for nearly half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles has impact on the registered frequency

COASTAL HULL – BY VESSEL TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

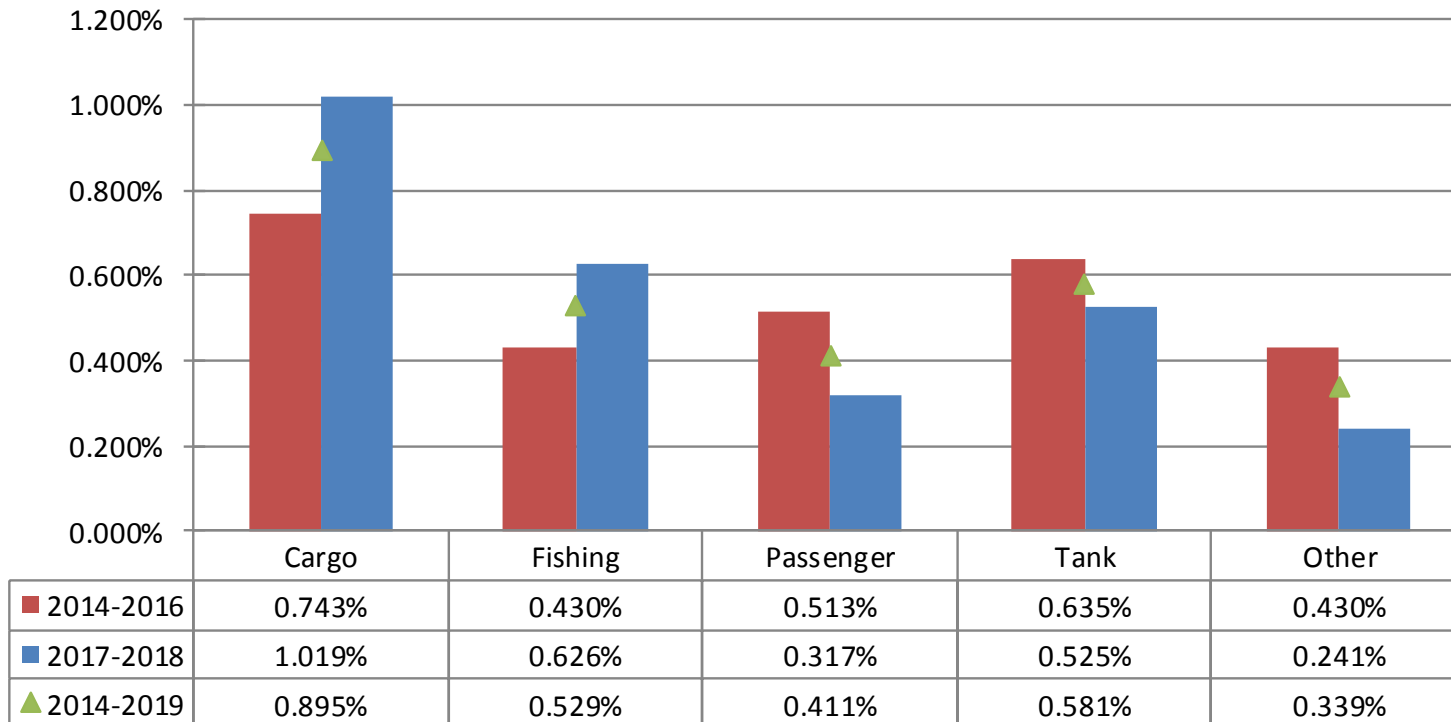
Claim per vessel per vessel type group



COASTAL HULL – BY VESSEL TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

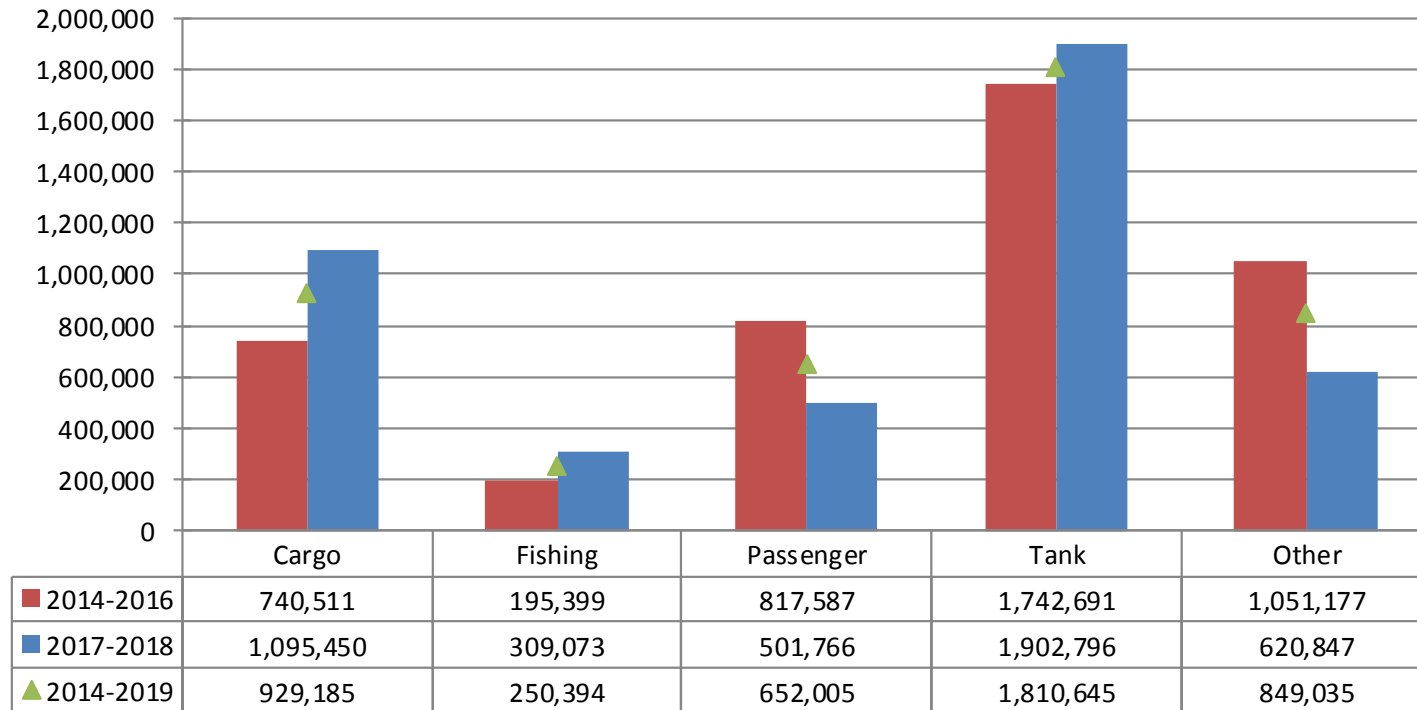
Claim per Sum Insured per vessel type group



COASTAL HULL – BY VESSEL TYPE

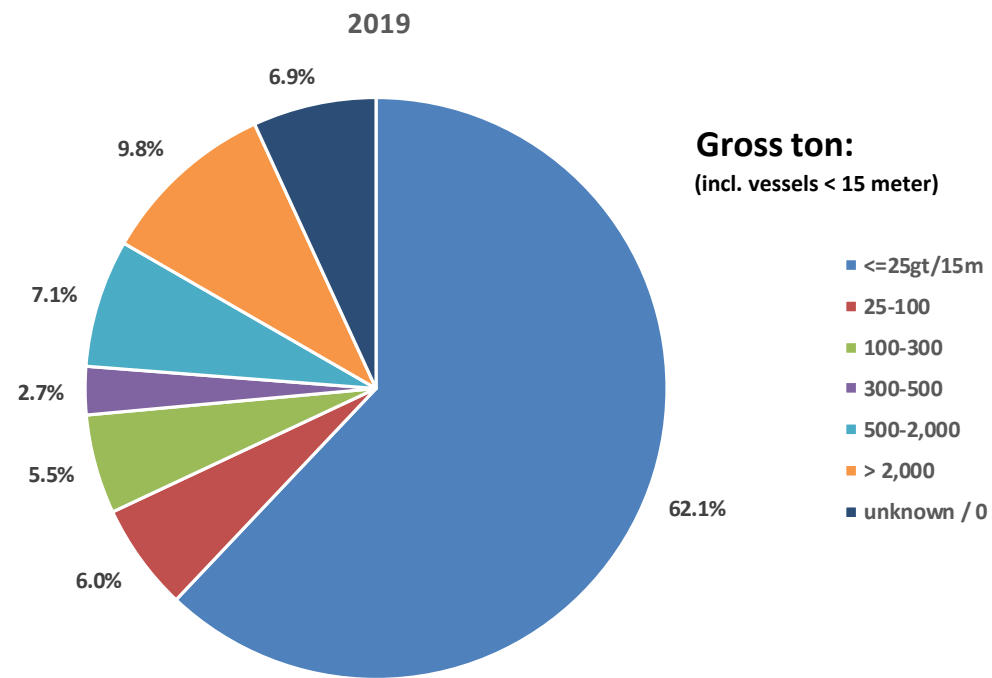
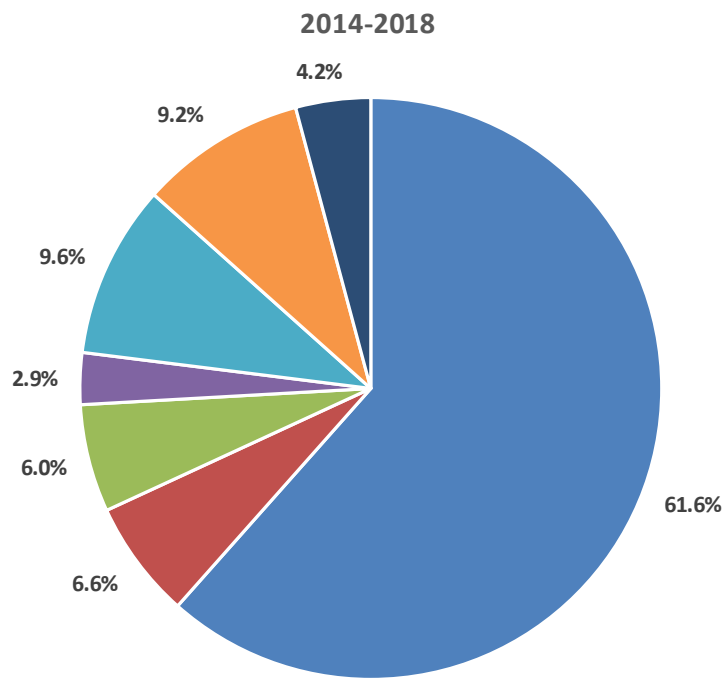
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average claim cost per vessel type group



COASTAL HULL – BY SIZE GROUP

Number of vessels per GT Size Group



Total number of vessels:

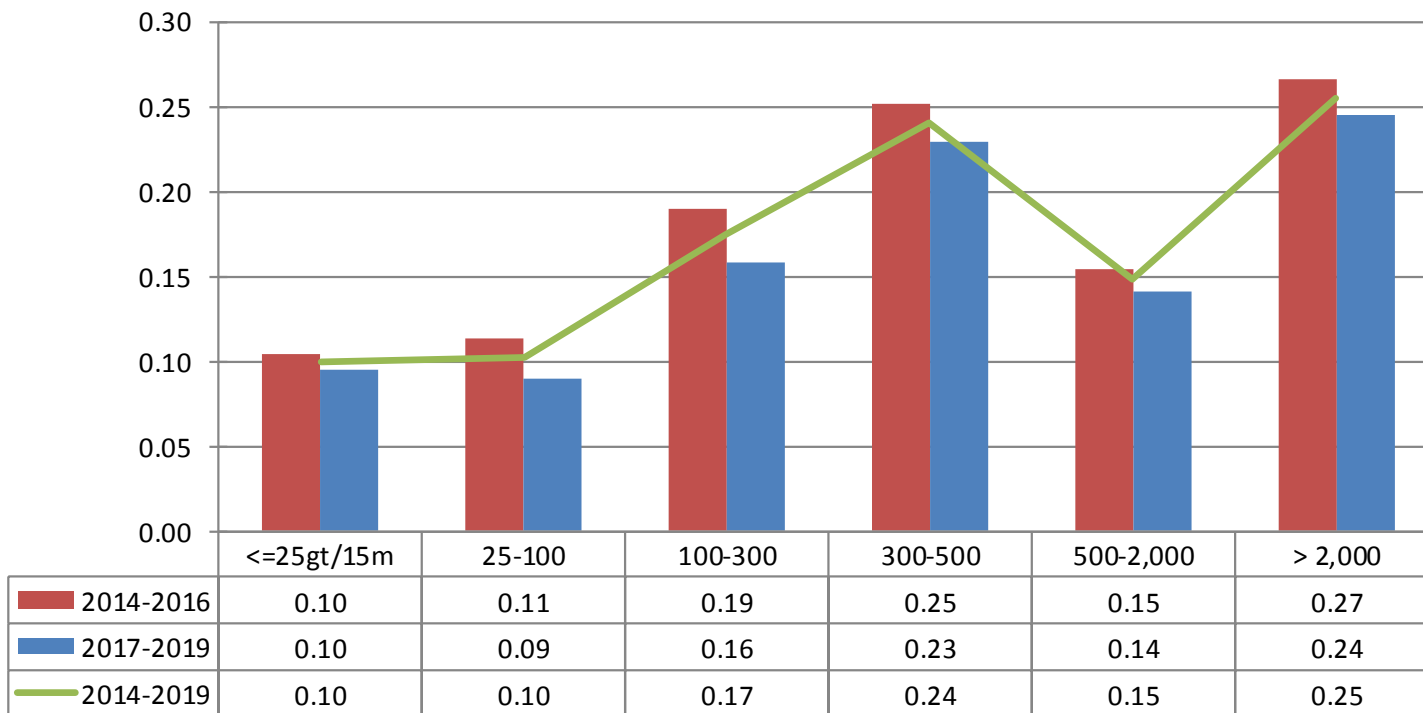
2014-2018: 62,826

2019: 13,396

COASTAL HULL – BY SIZE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency per gross ton size group

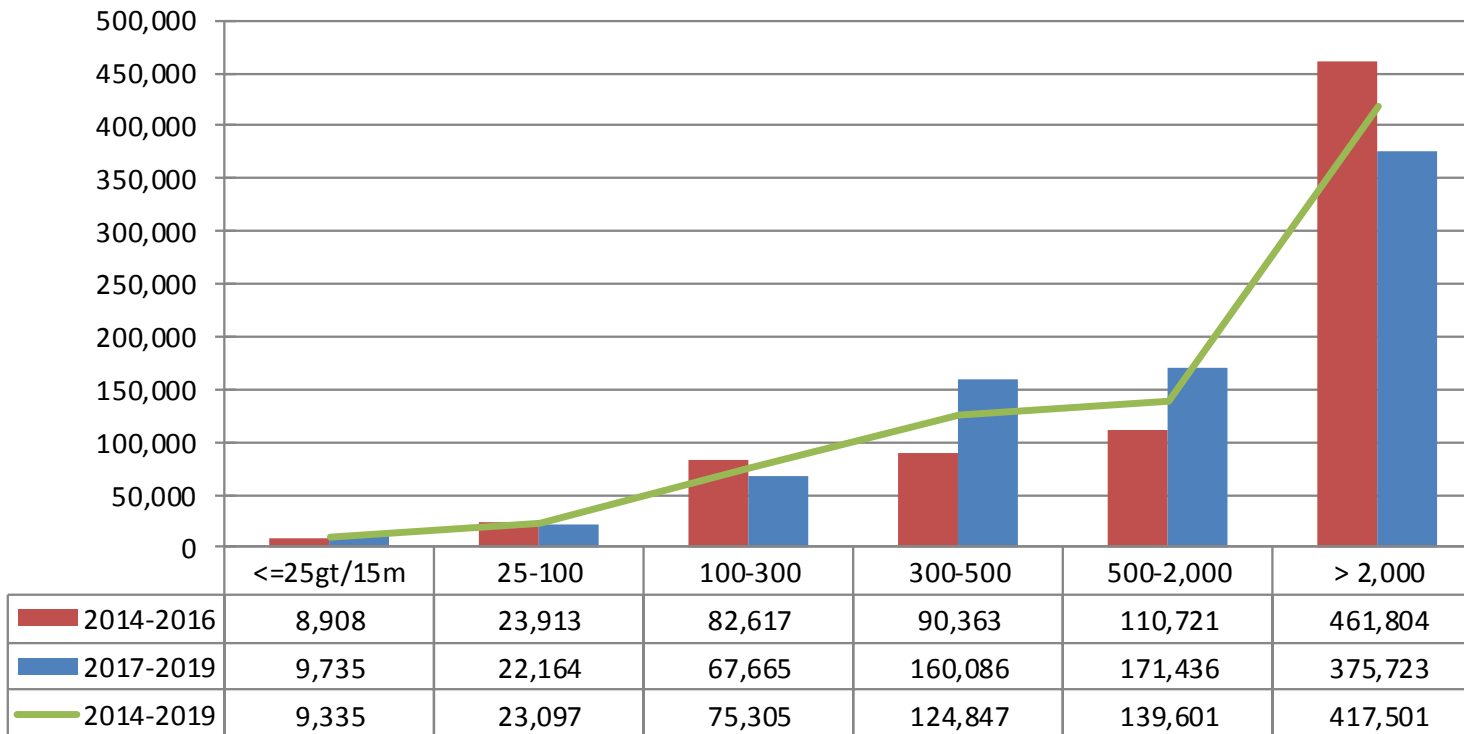


Comment: Claims < 100.000 NOK account for nearly half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles will have impact on the registered frequency

COASTAL HULL – BY SIZE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

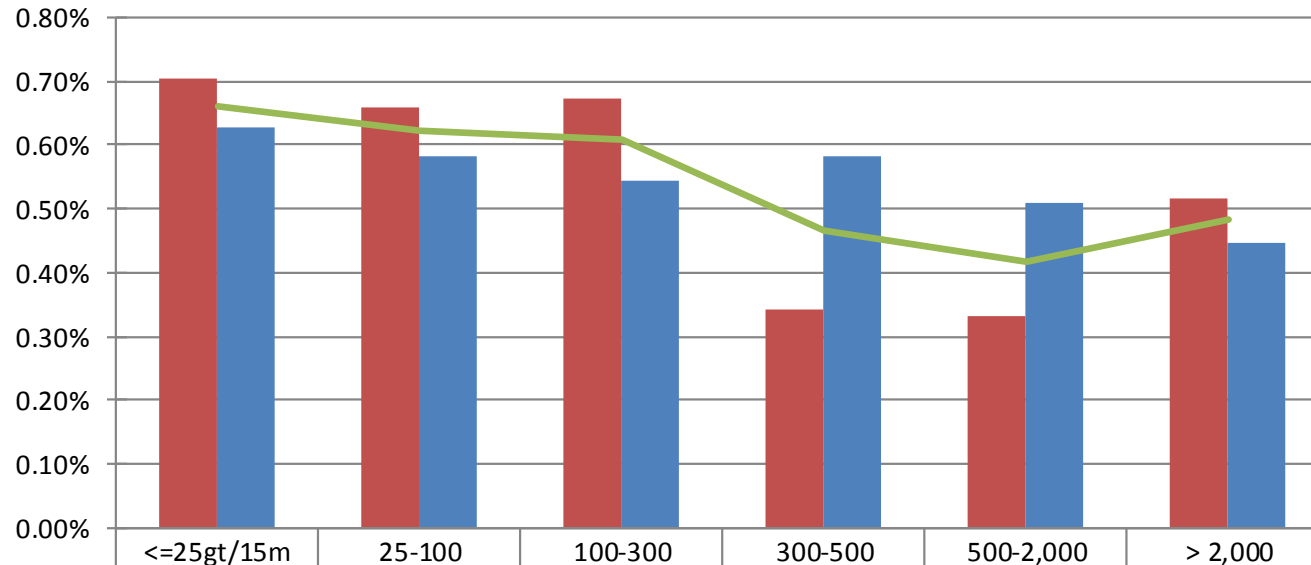
Claim per vessel per gross ton size group



COASTAL HULL – BY SIZE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claim per Sum Insured per gross ton size group

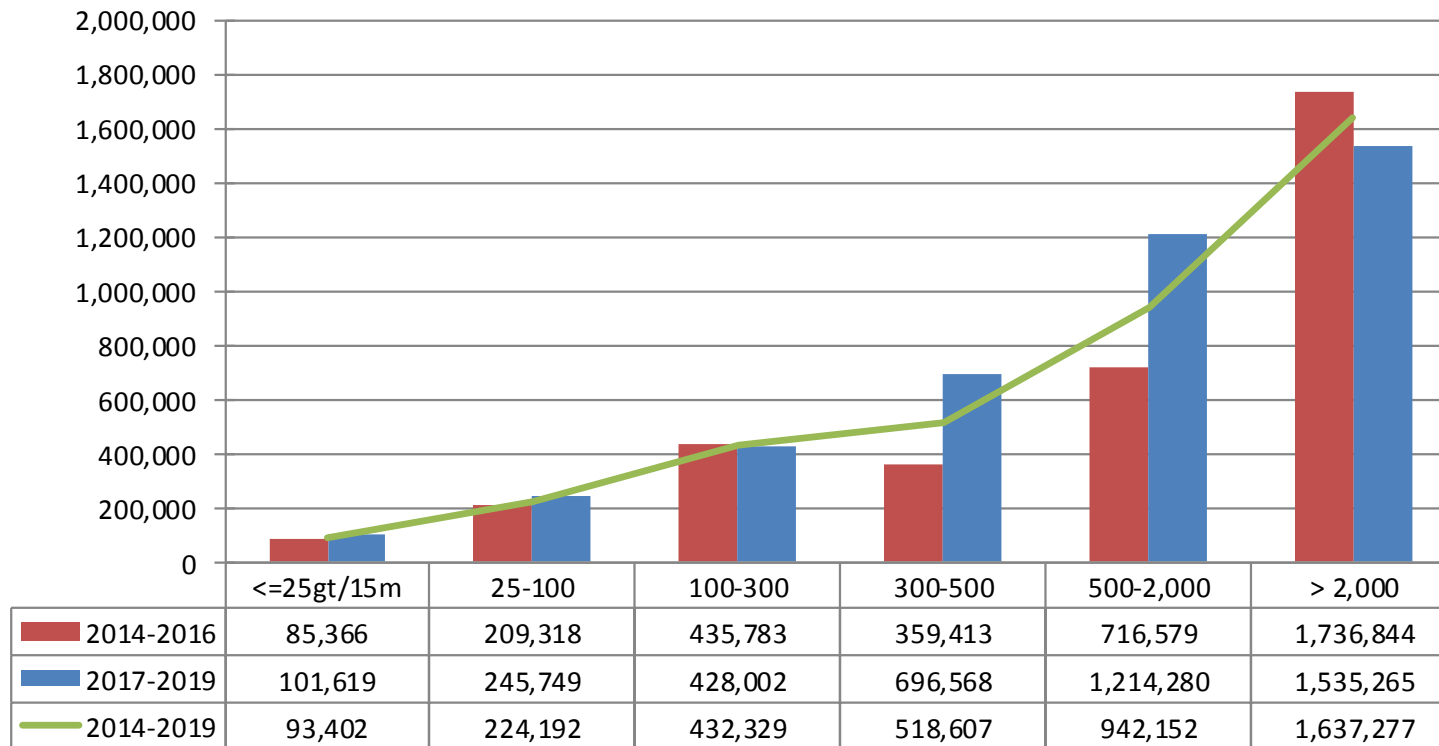


2014-2016	0.705%	0.659%	0.673%	0.343%	0.332%	0.517%
2017-2019	0.626%	0.582%	0.545%	0.583%	0.511%	0.448%
2014-2019	0.660%	0.622%	0.610%	0.464%	0.417%	0.483%

COASTAL HULL – BY SIZE GROUP

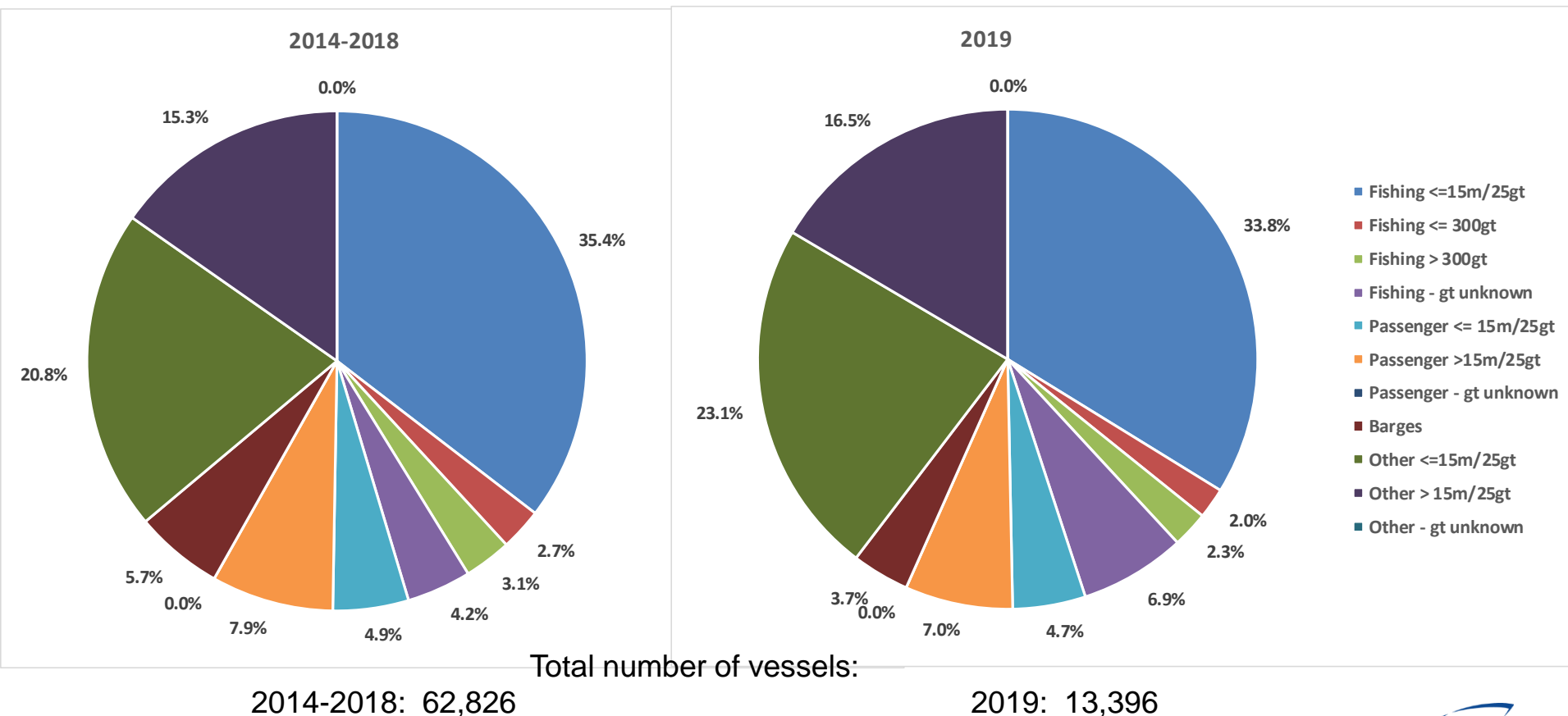
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average Claim cost per gross ton size group



COASTAL HULL – SPECIAL GROUPS

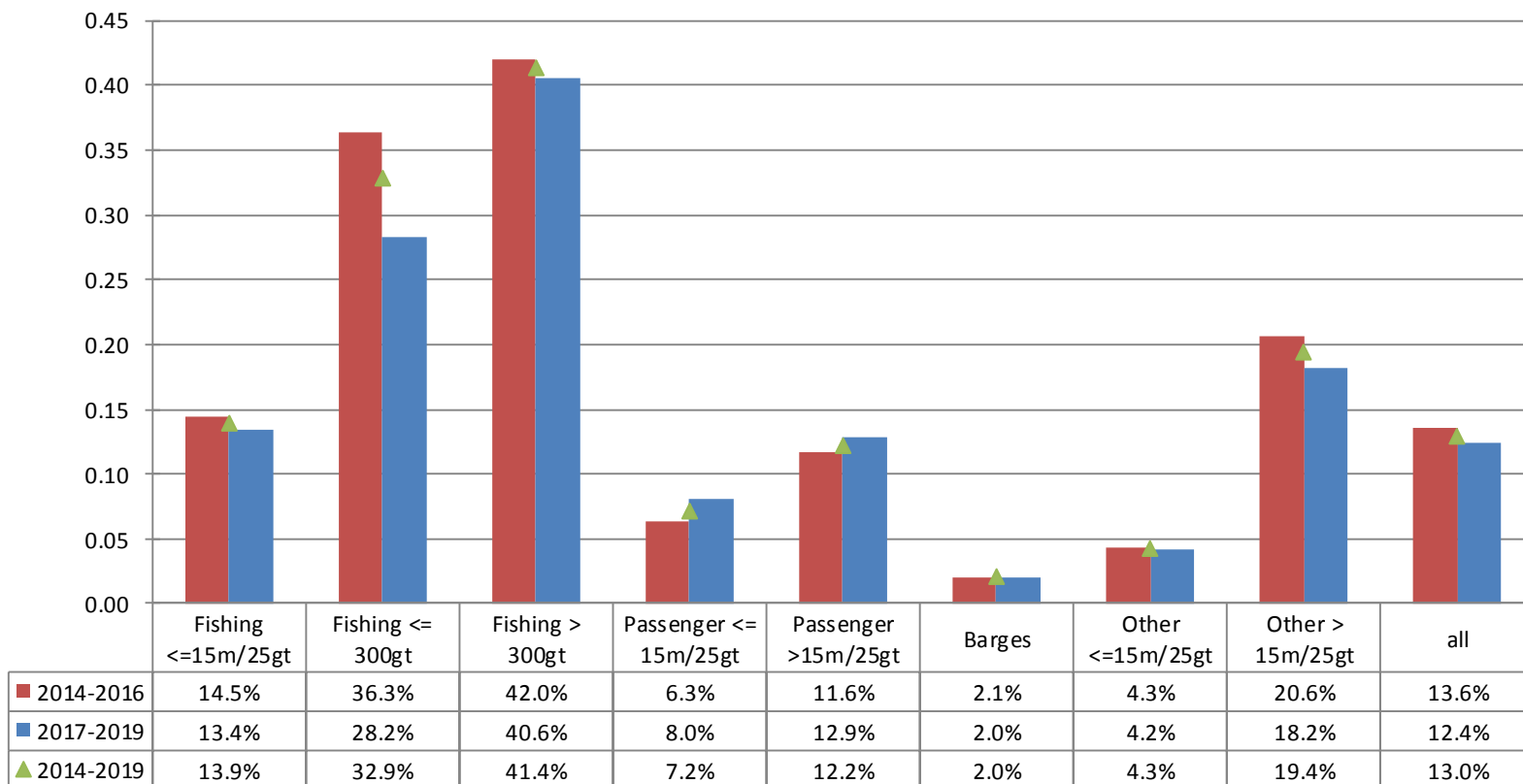
Number of vessels for selected vessel type & size groups
by year of exposure



COASTAL HULL – SPECIAL GROUPS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency, selected coastal vessel type & size groups

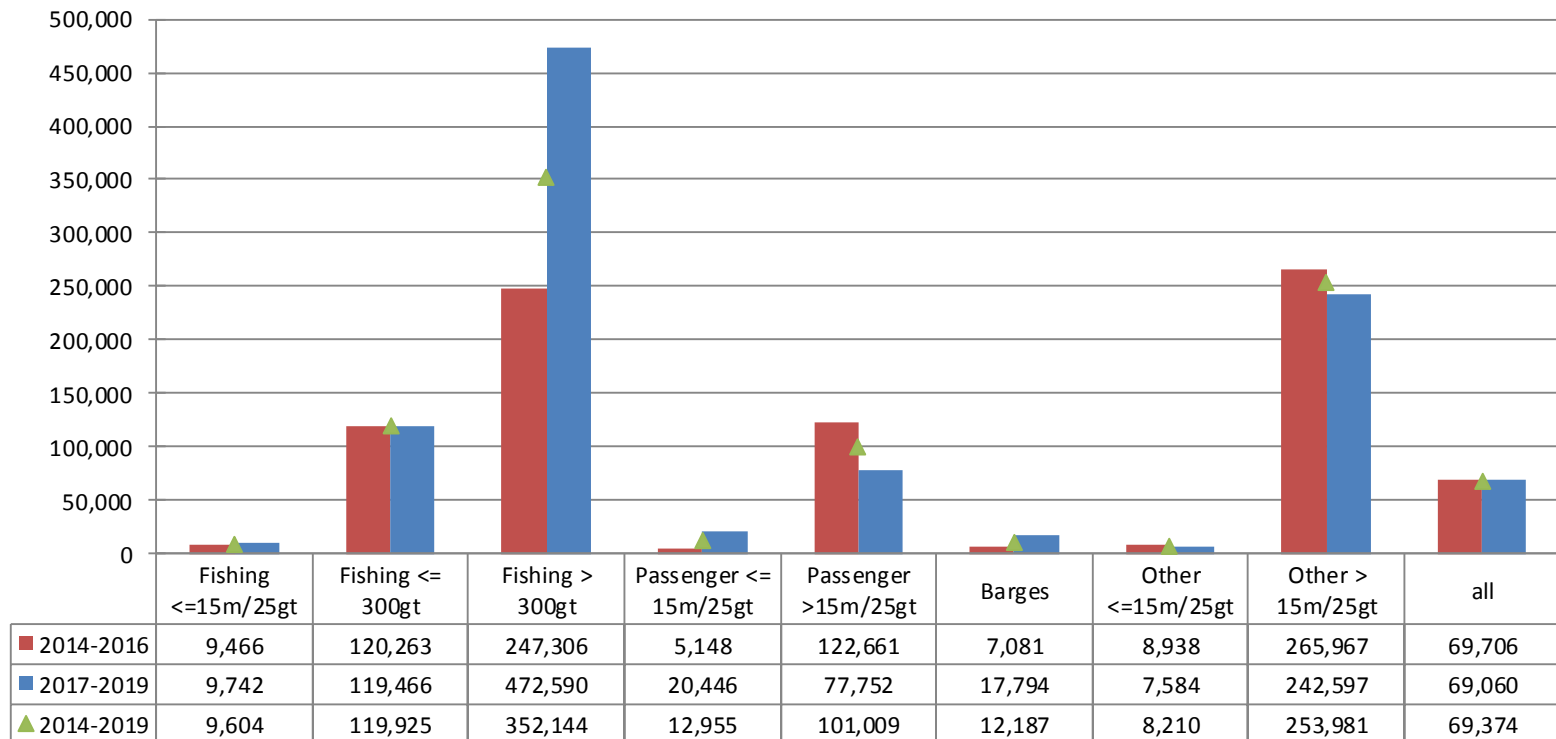


Claims < 100.000 NOK account for nearly half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles has impact on the registered frequency

COASTAL HULL – SPECIAL GROUPS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

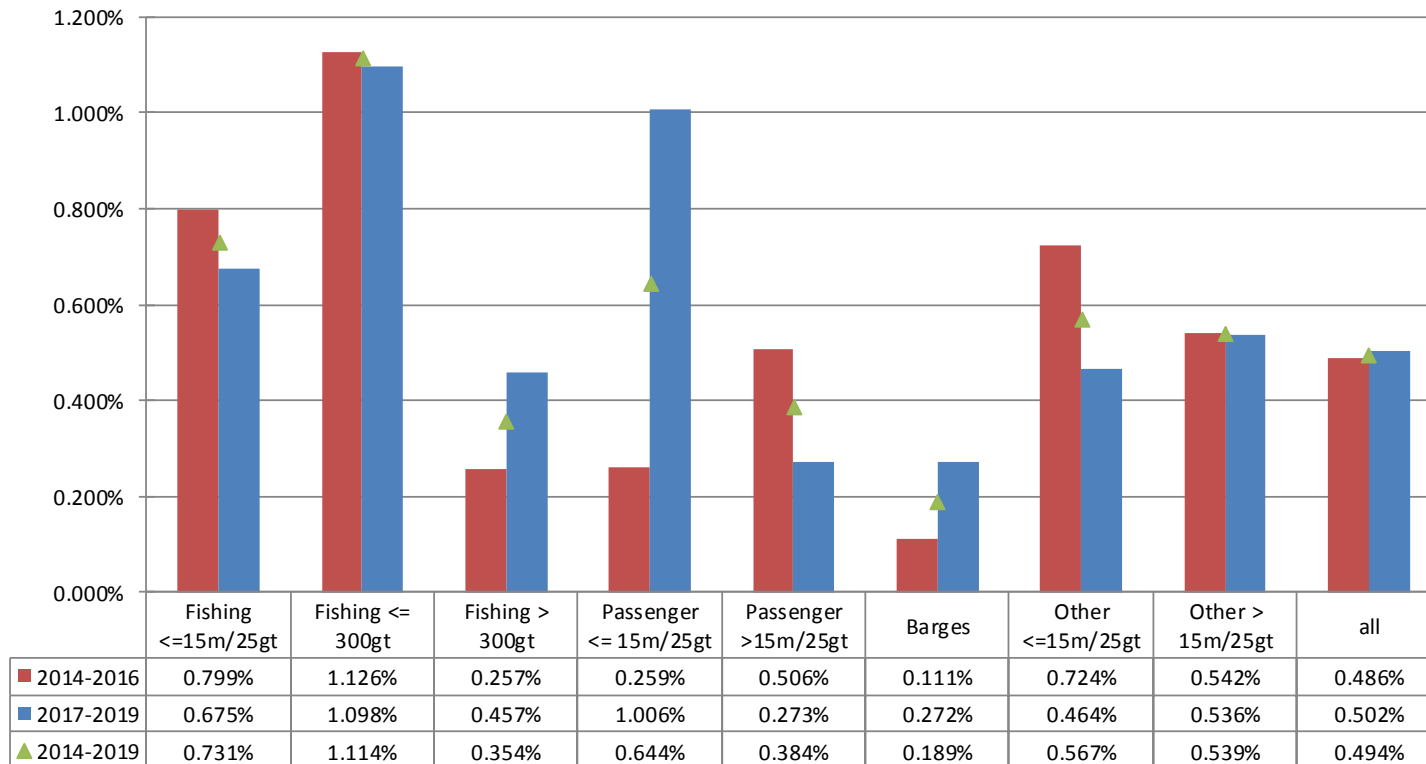
Claim per vessel, selected coastal vessel type & size groups



COASTAL HULL – SPECIAL GROUPS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

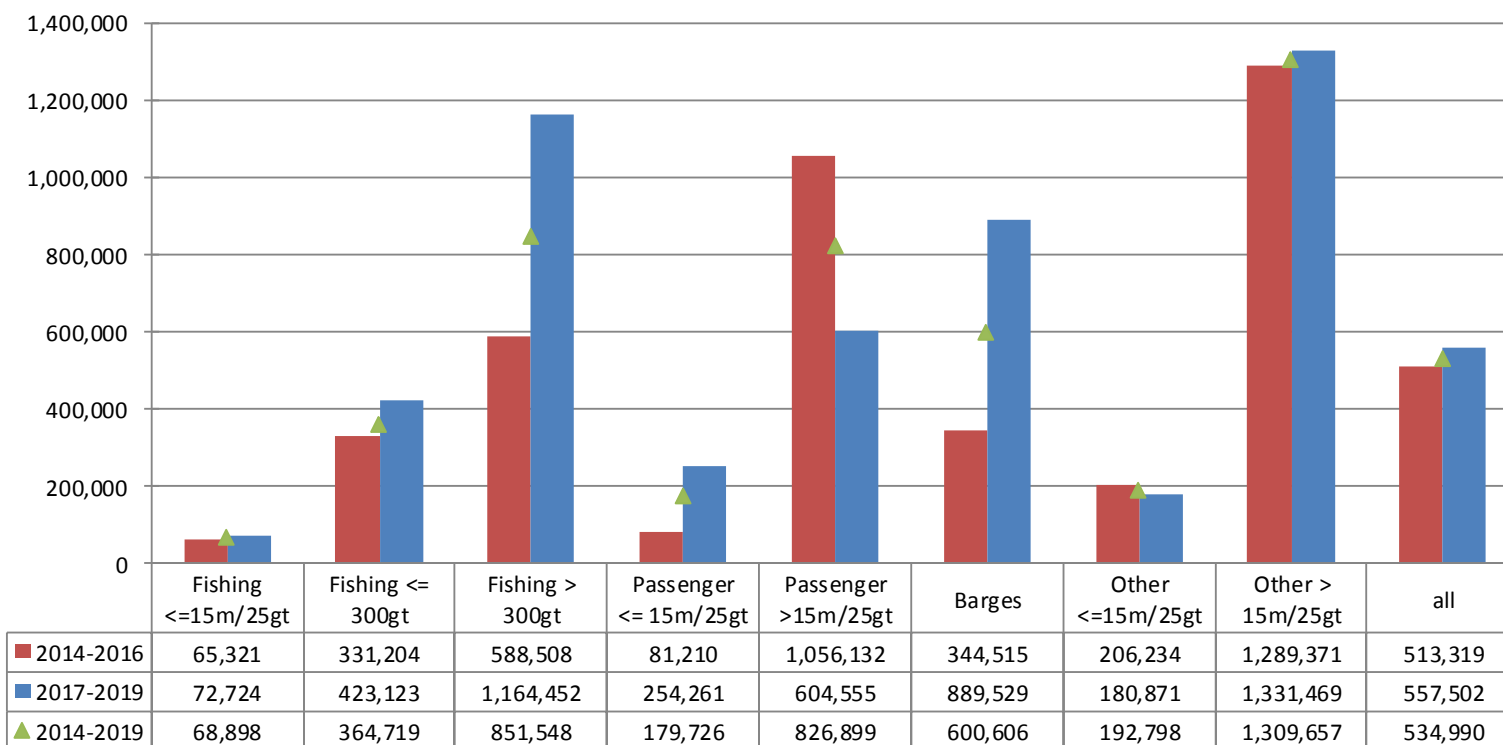
Claim per Sum Insured, selected coastal vessel type and size groups



COASTAL HULL – SPECIAL GROUPS

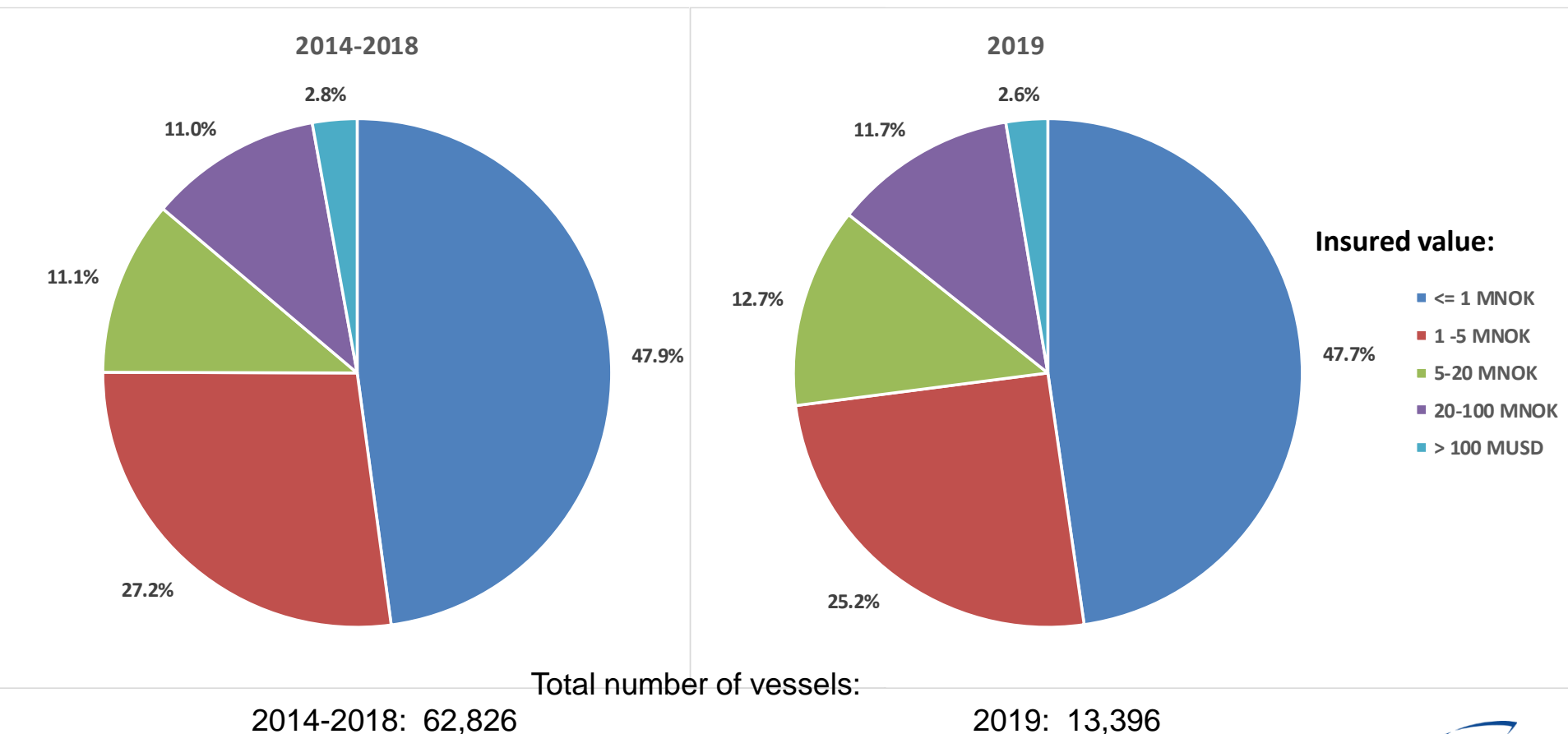
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average claim cost, selected coastal vessel type & size groups



COASTAL HULL – SUM INSURED LAYERS

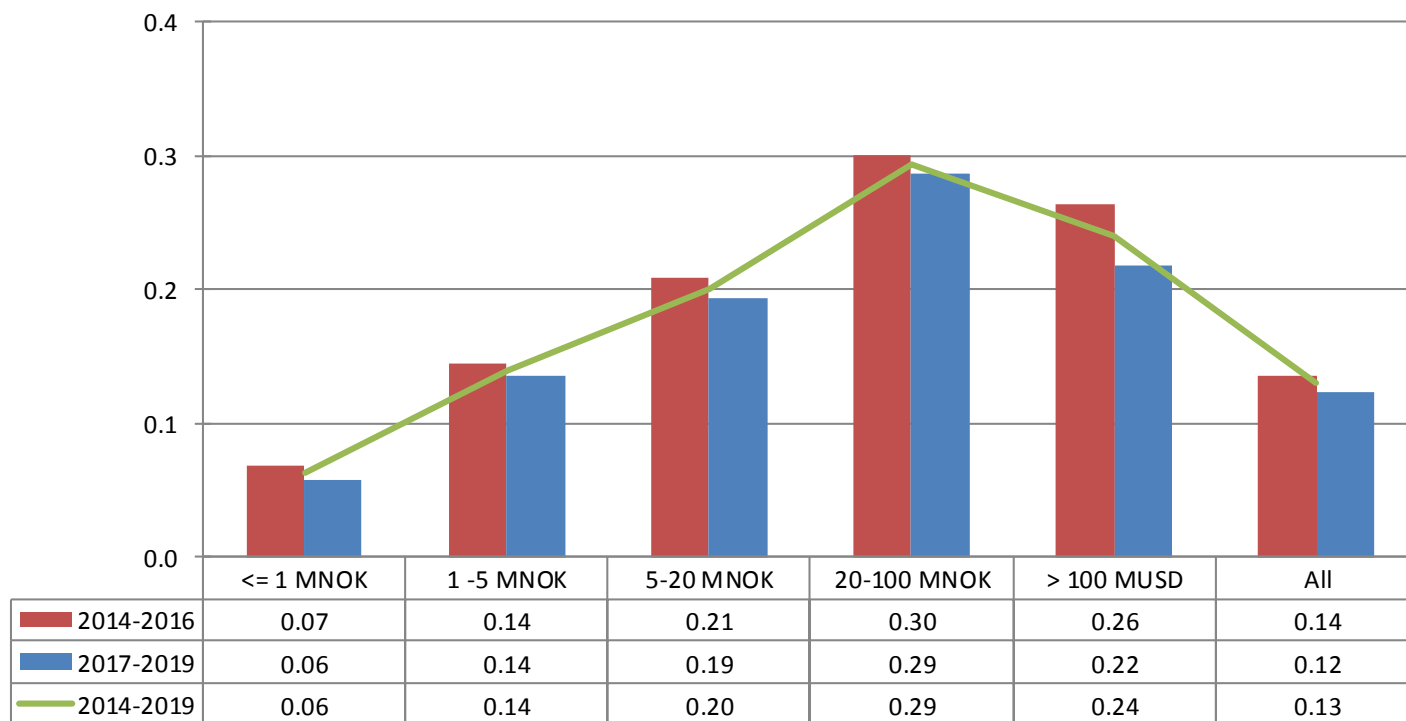
Number of vessels by insured value (SI) layer
by year of exposure



COASTAL HULL – SUM INSURED LAYERS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency per Sum Insured layer

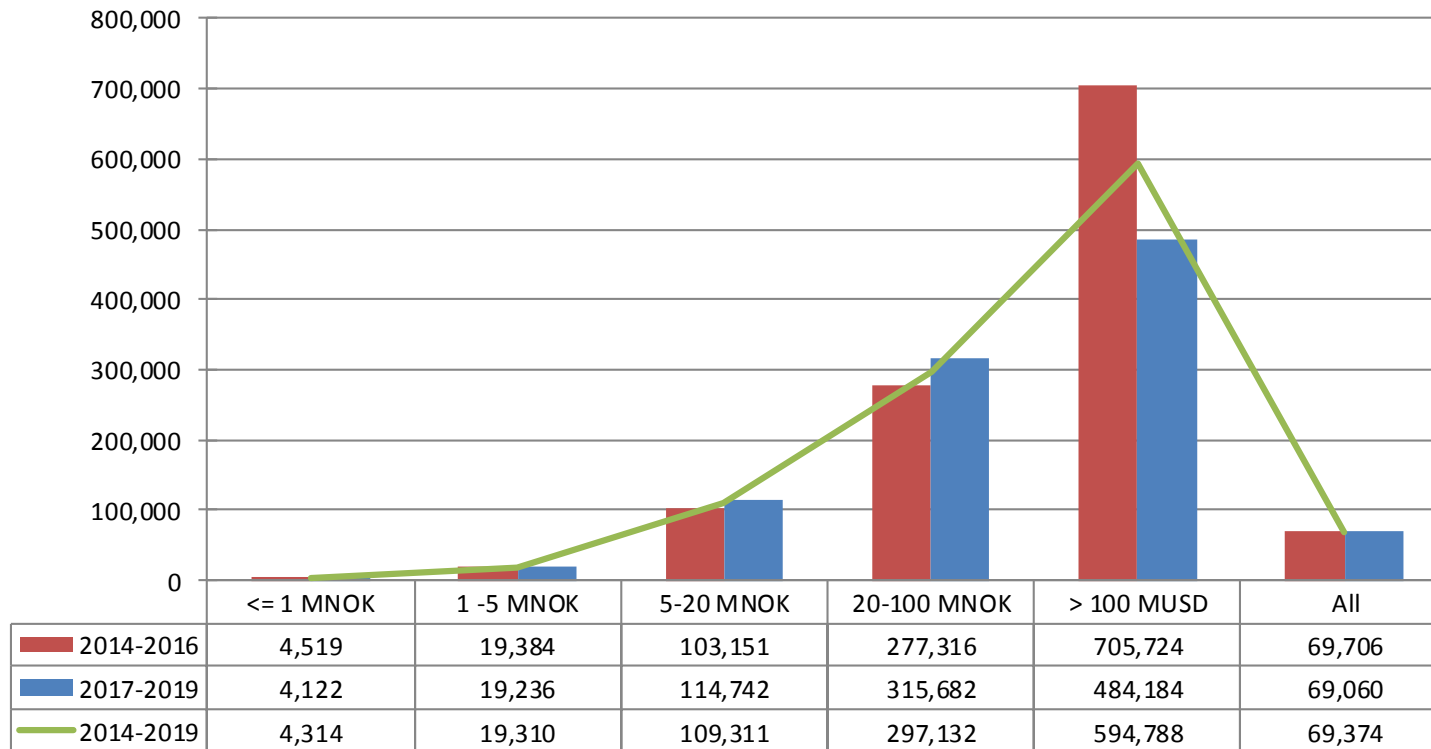


Claims < 10.000 USD account for nearly half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles has impact on the registered frequency

COASTAL HULL – SUM INSURED LAYERS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

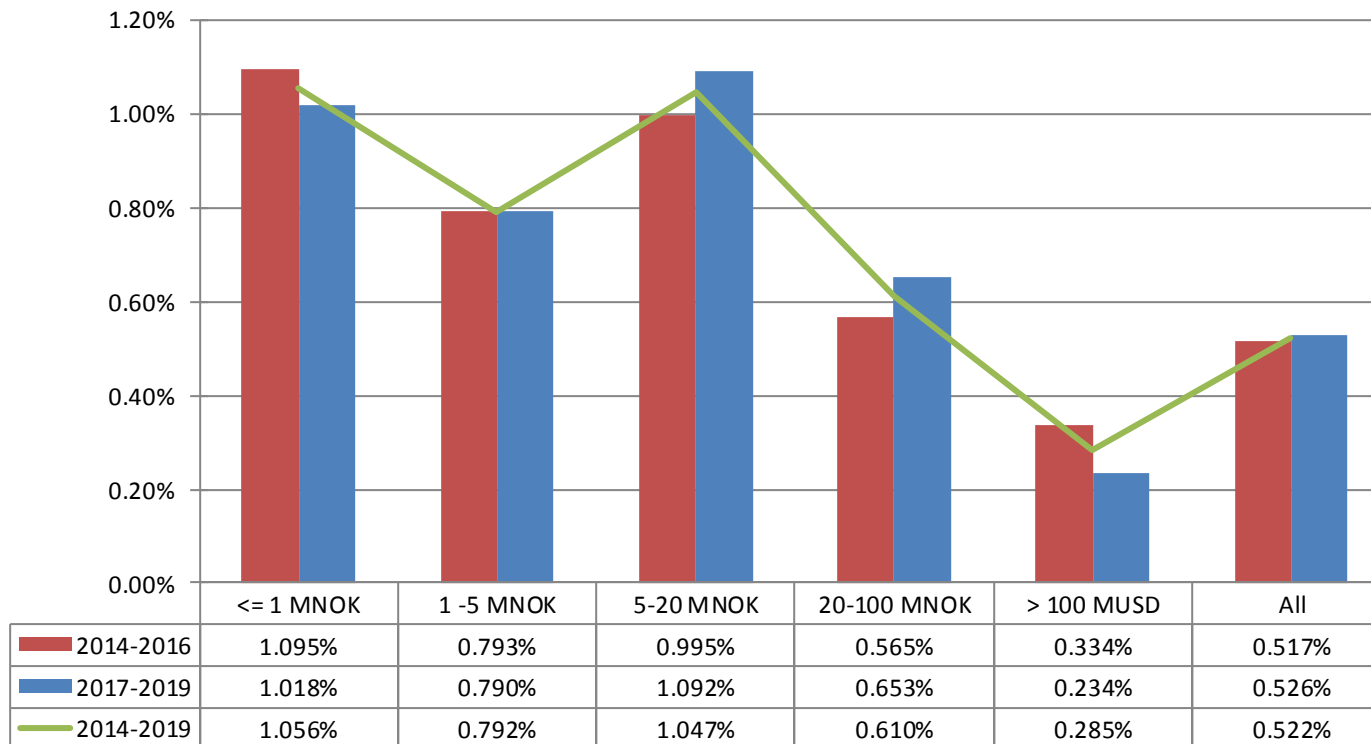
Claim per vessel per Sum Insured layer



COASTAL HULL – SUM INSURED LAYERS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

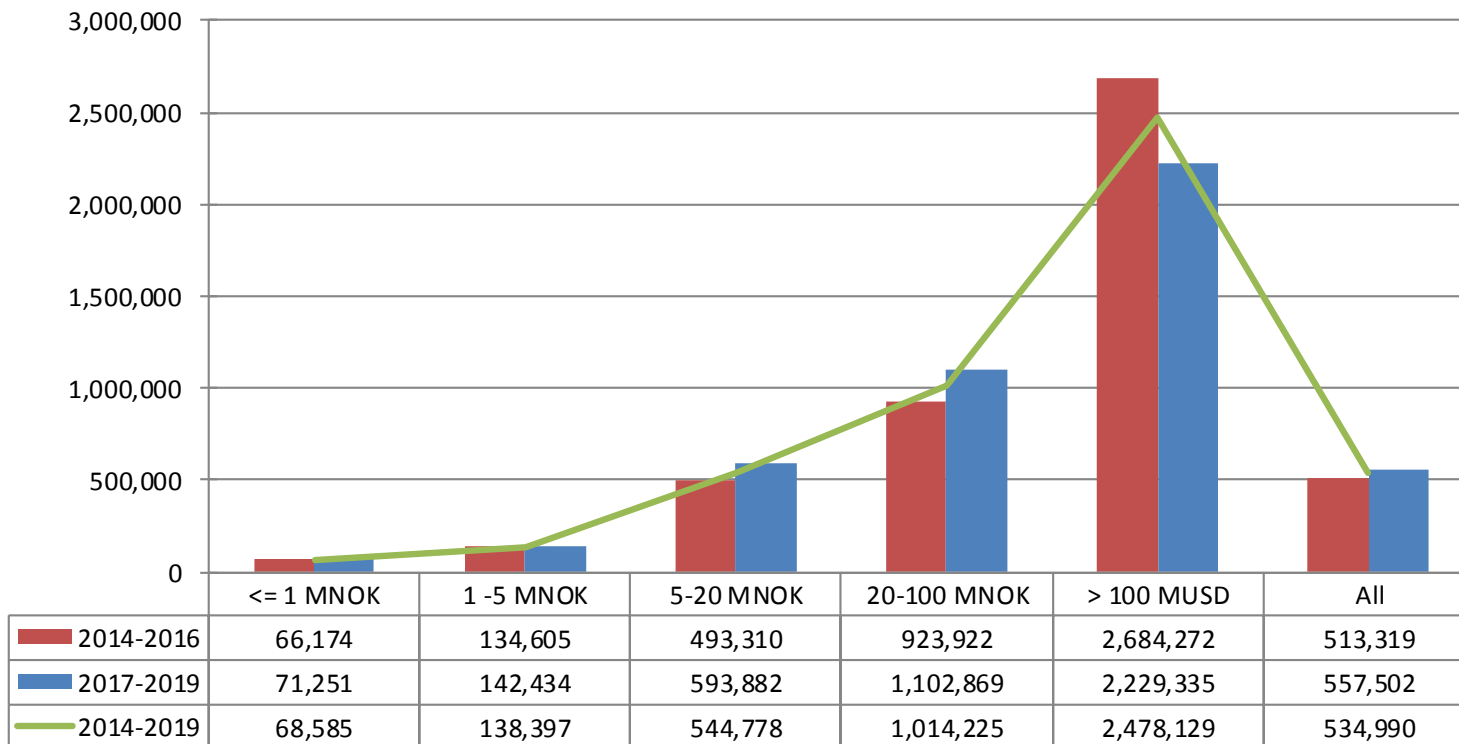
Claim per Sum Insured per Sum Insured layer



COASTAL HULL – SUM INSURED LAYERS

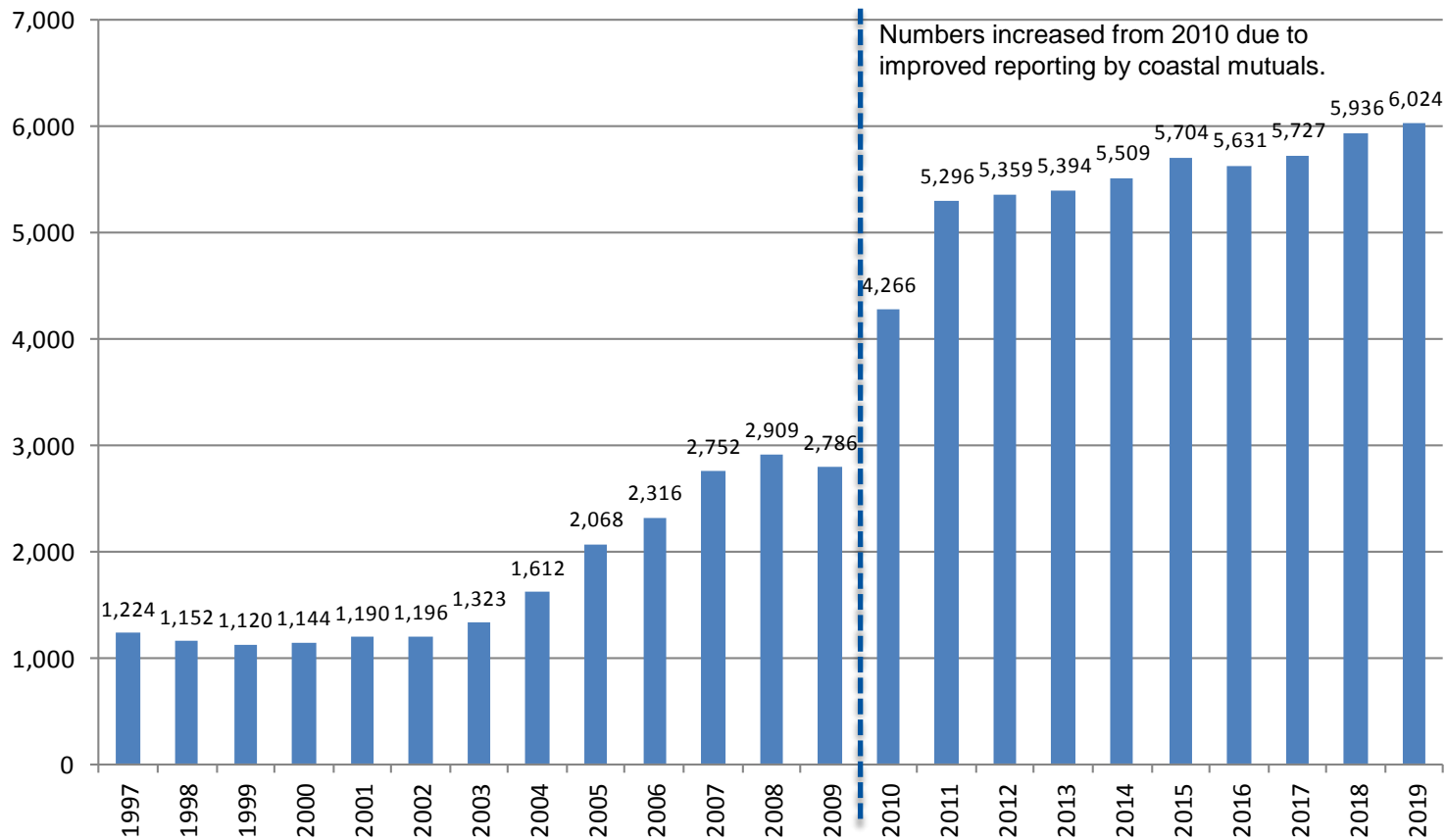
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average Claim cost per Sum Insured layer



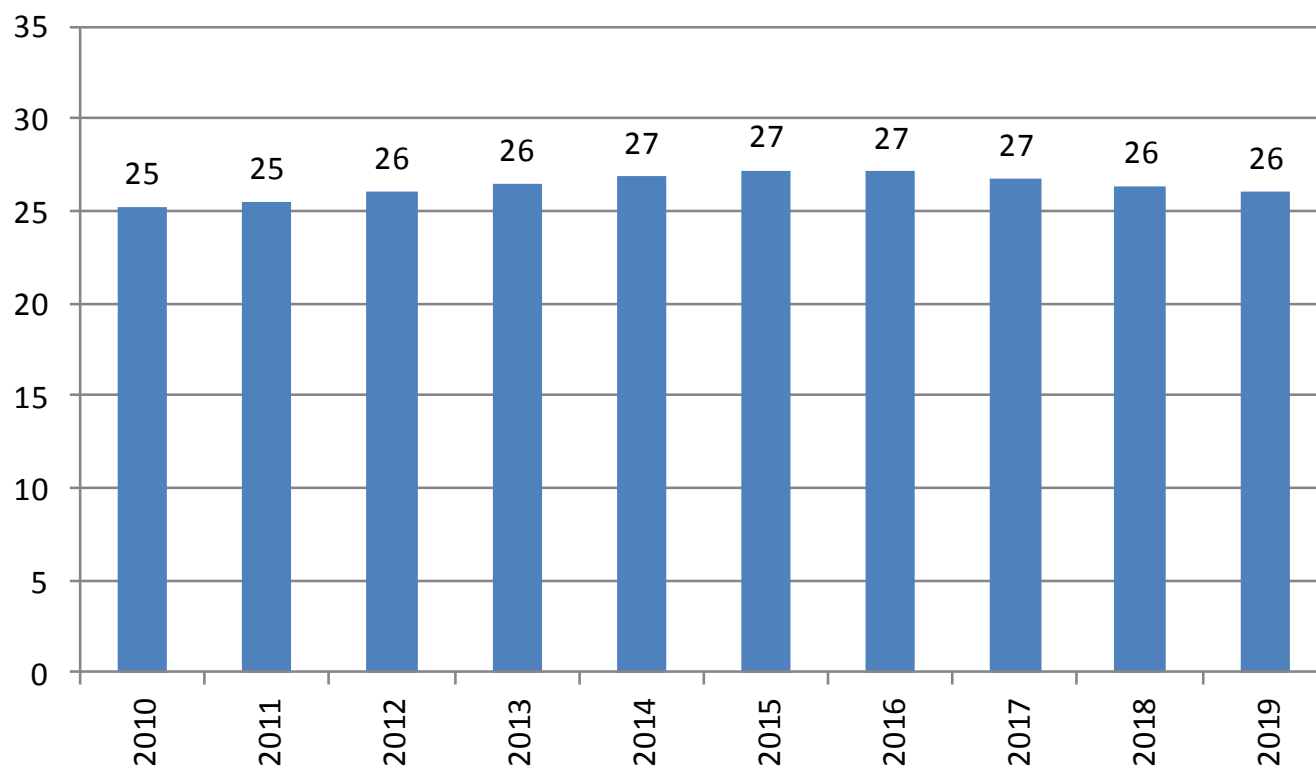
FISHING VESSELS – NUMBERS

Number of fishing vessels, by year of exposure

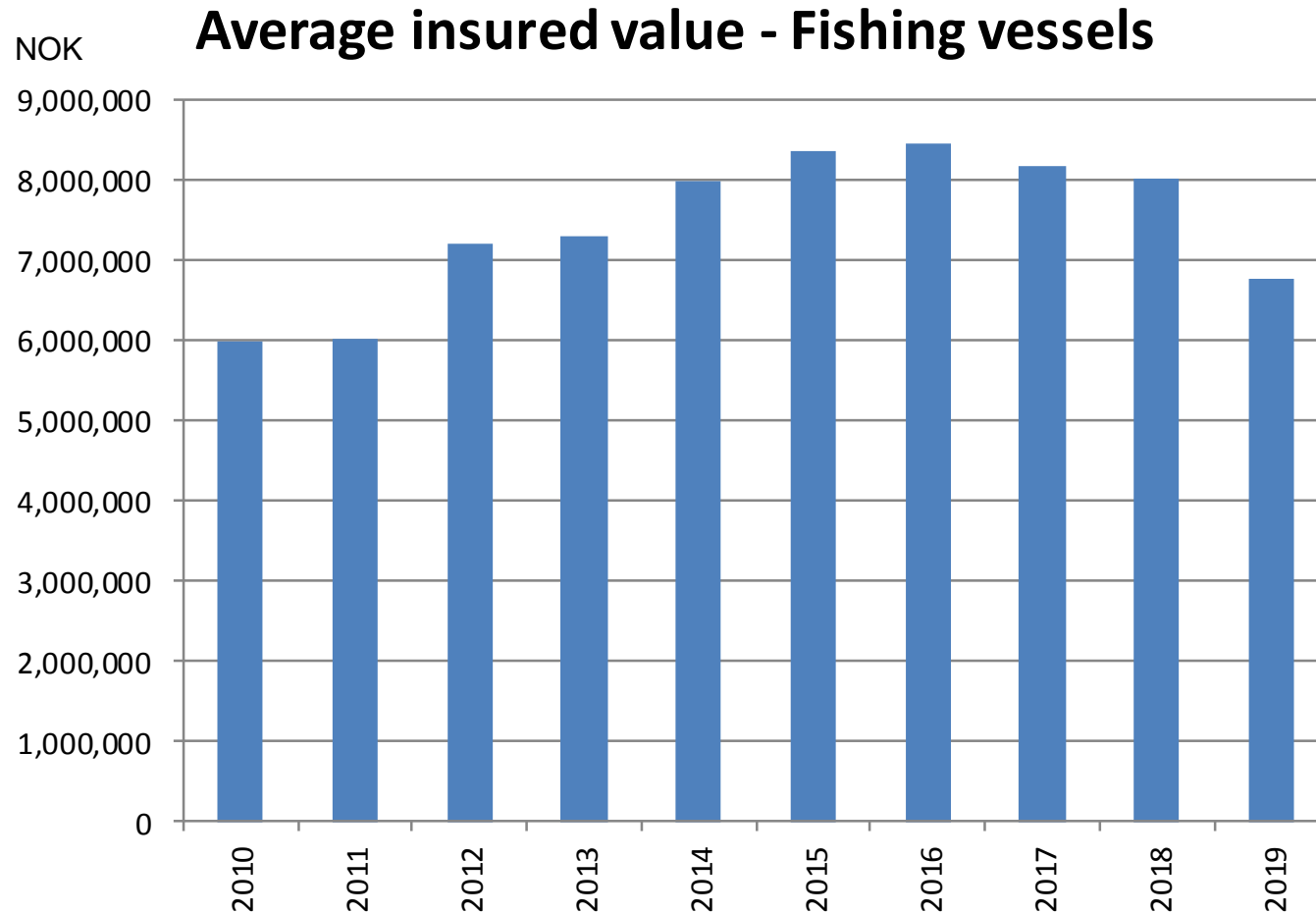


FISHING VESSELS – AGE

Average age - Fishing vessels

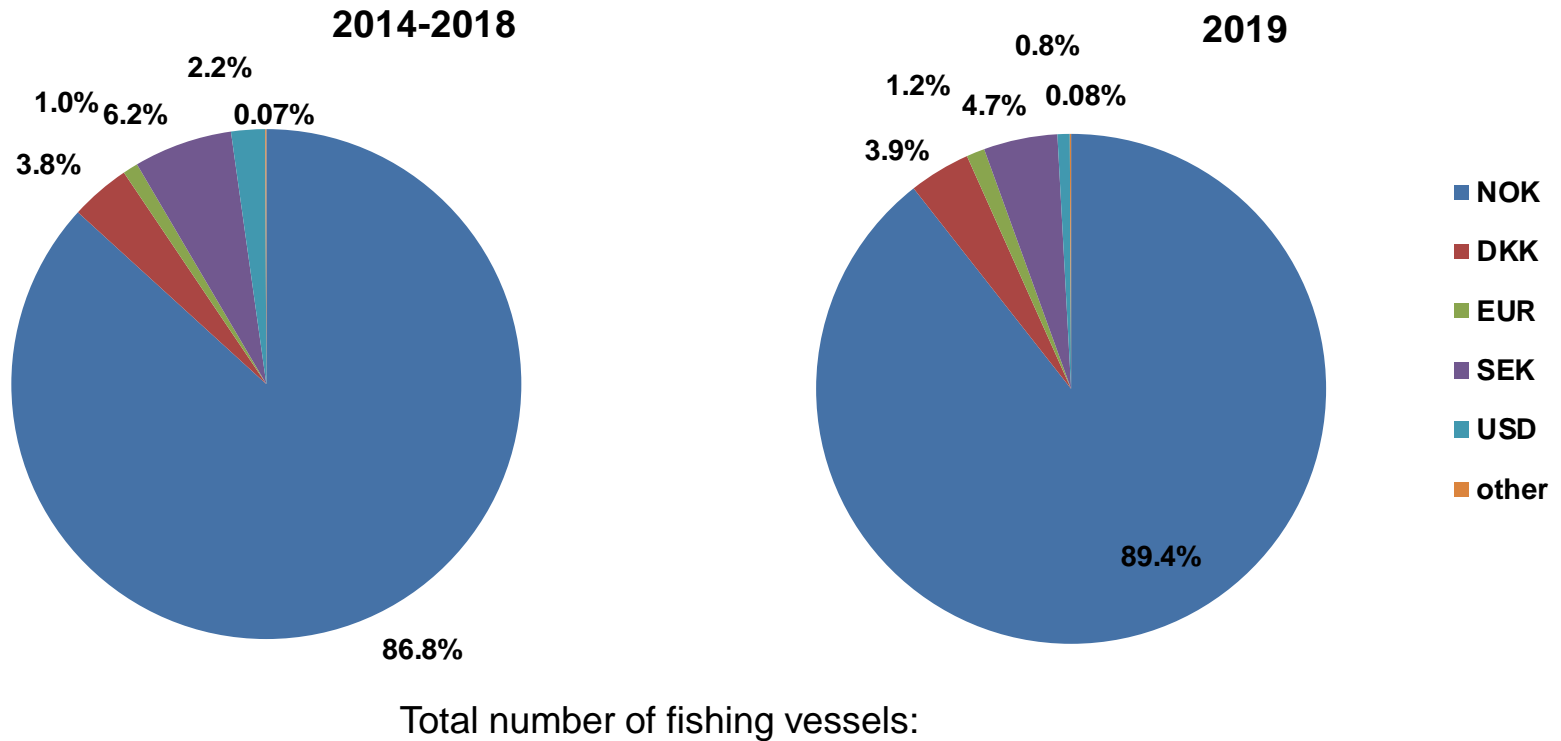


FISHING VESSELS – INSURED VALUE



FISHING VESSELS – BY CURRENCY

Number of vessels by currency (origin of business)
by underwriting year



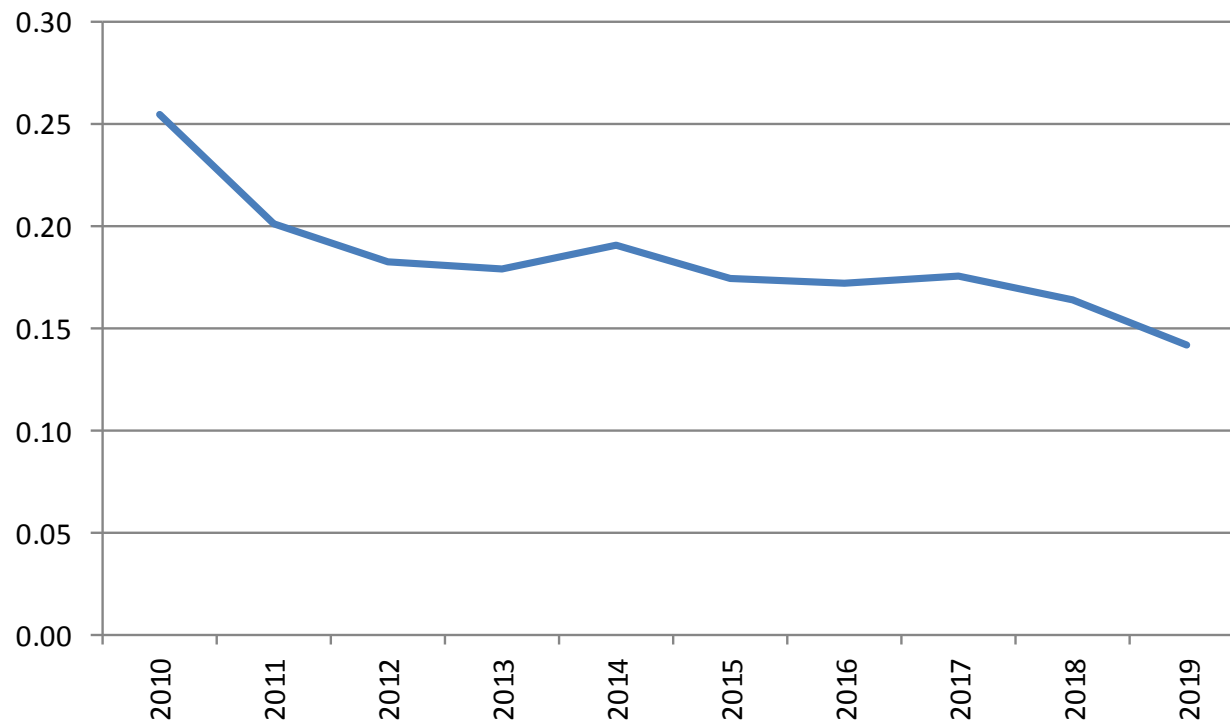
2014-2018: 28,507

2019: 6,024

FISHING VESSELS – CL. FREQUENCY

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

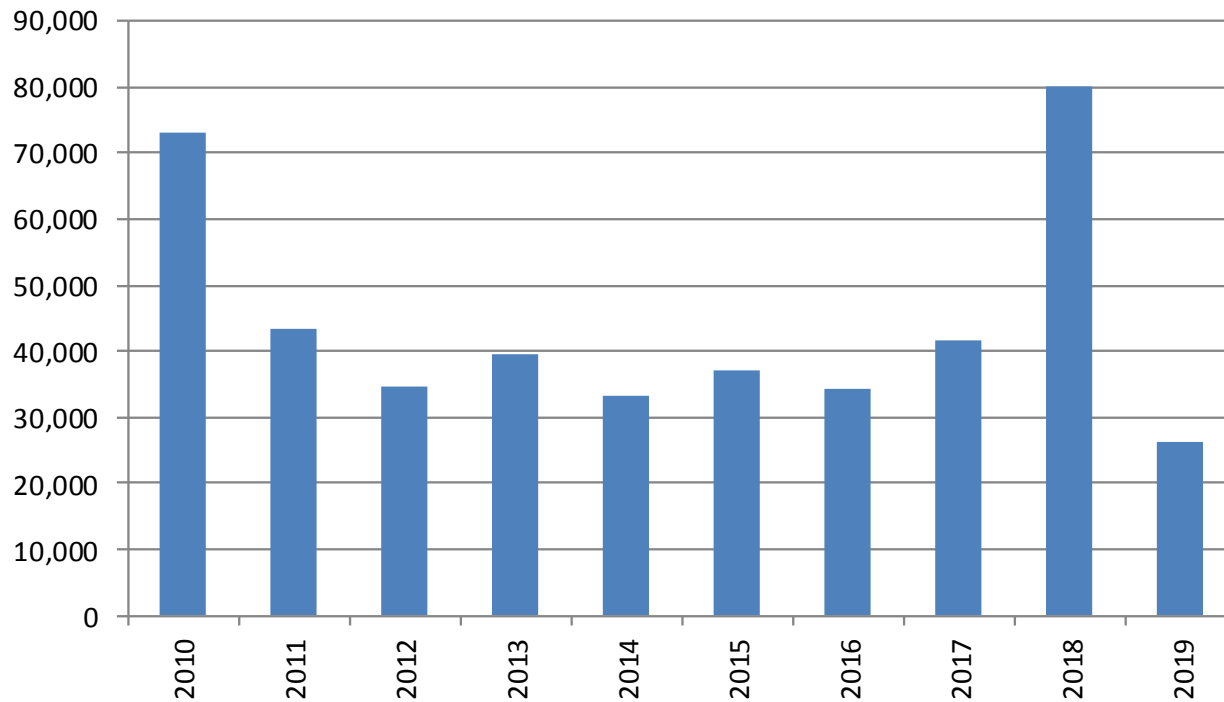
Claims frequency, by date of loss



FISHING VESSELS – CLAIM PER VESSEL

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

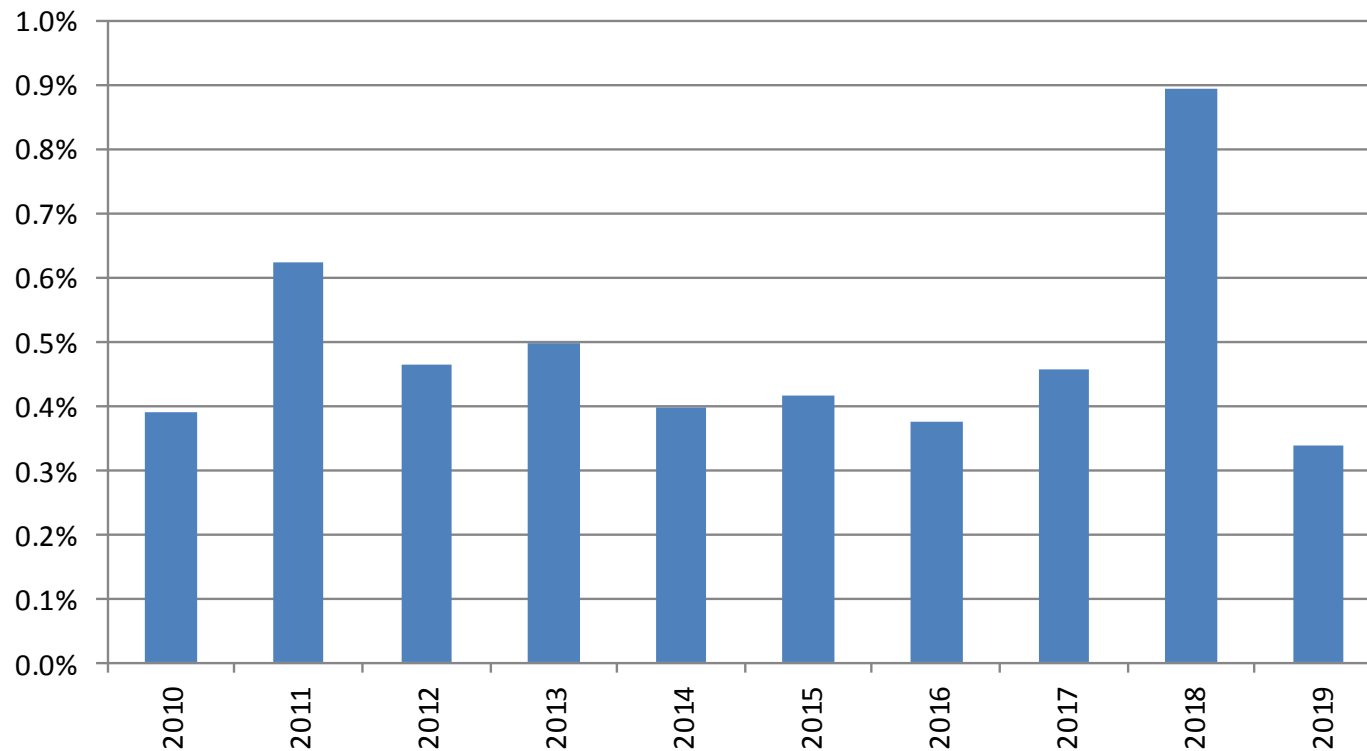
Claim per vessel, by date of loss



FISHING VESSELS – CLAIM PER VALUE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

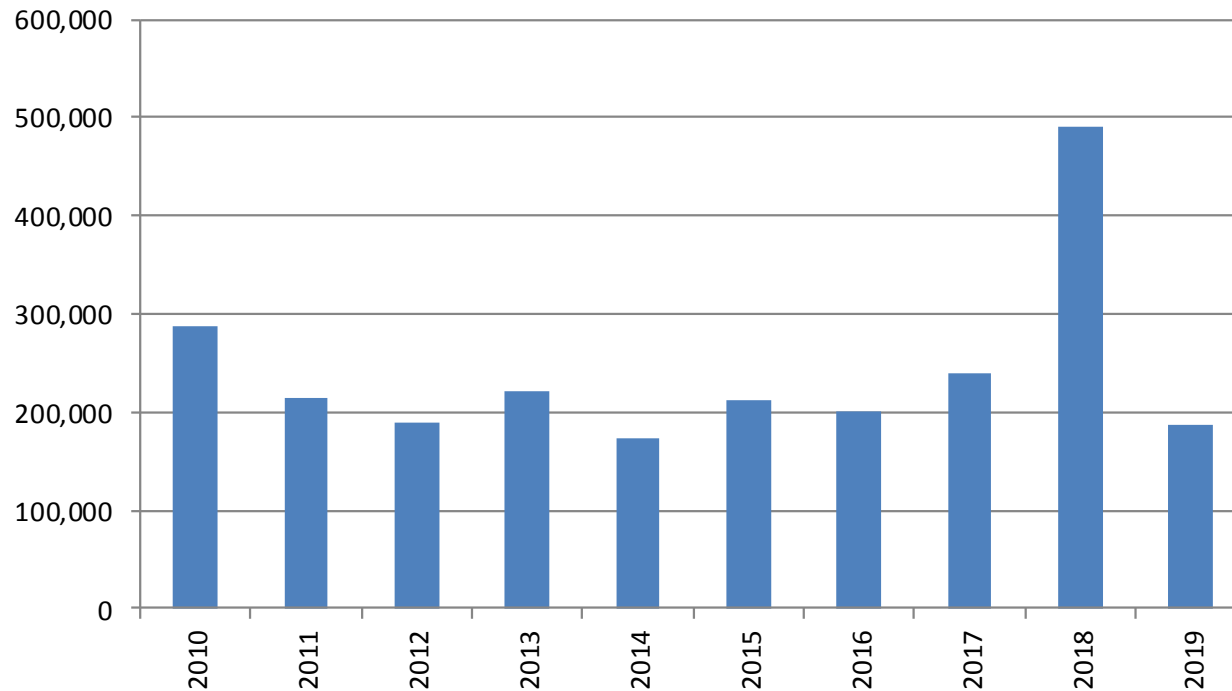
Claim per Sum Insured, by date of loss



FISHING VESSELS – AVERAGE CLAIM

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average claim cost, by date of loss

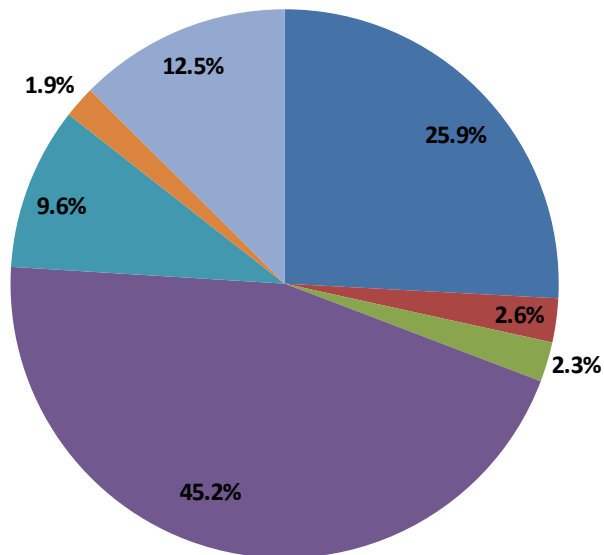


FISHING VESSELS – CLAIMS BY TYPE

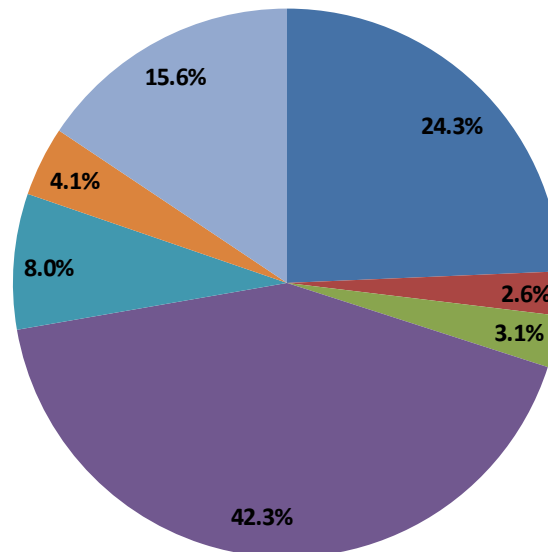
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims by Claims type – Number of claims

2014-2018



2019



- Machinery
- Fire/Explosion
- Collision
- Contact
- Grounding
- Heavy weather
- Other / unknown

Total number of claims:

2014-2018: 4,982

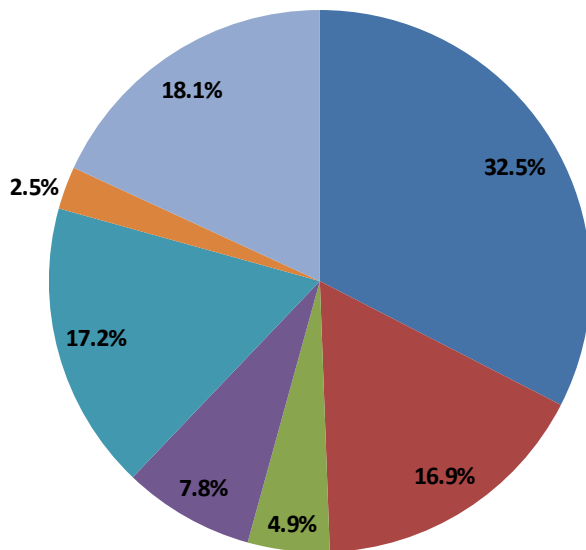
2019: 851

FISHING VESSELS – CLAIMS BY TYPE

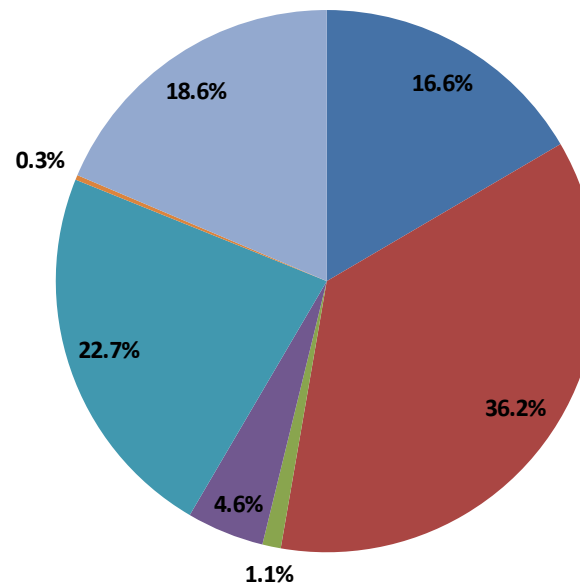
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims by Claims type – Cost of claims

2013-2017



2018



- Machinery
- Fire/Explosion
- Collision
- Contact
- Grounding
- Heavy weather
- Other / unknown

Total cost in NOK million:

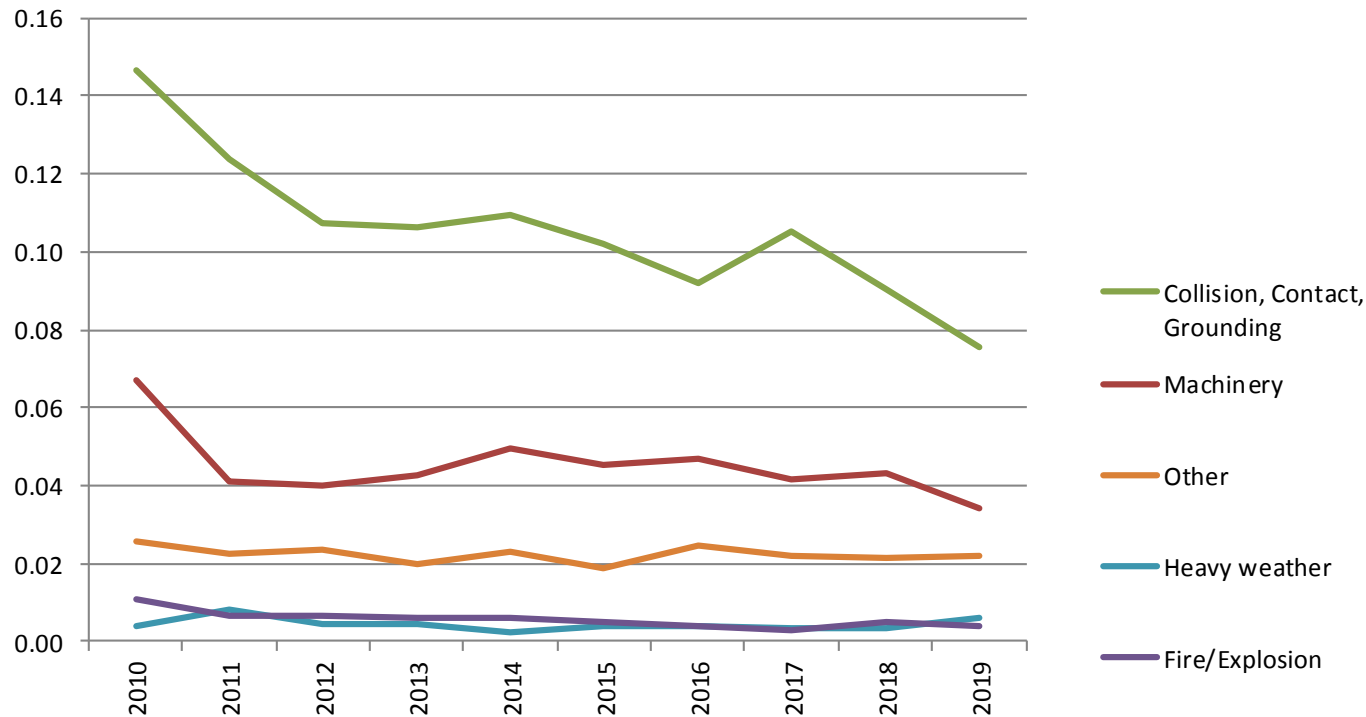
2014-2018: 1,301.9

2019: 158.7

FISHING VESSELS – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

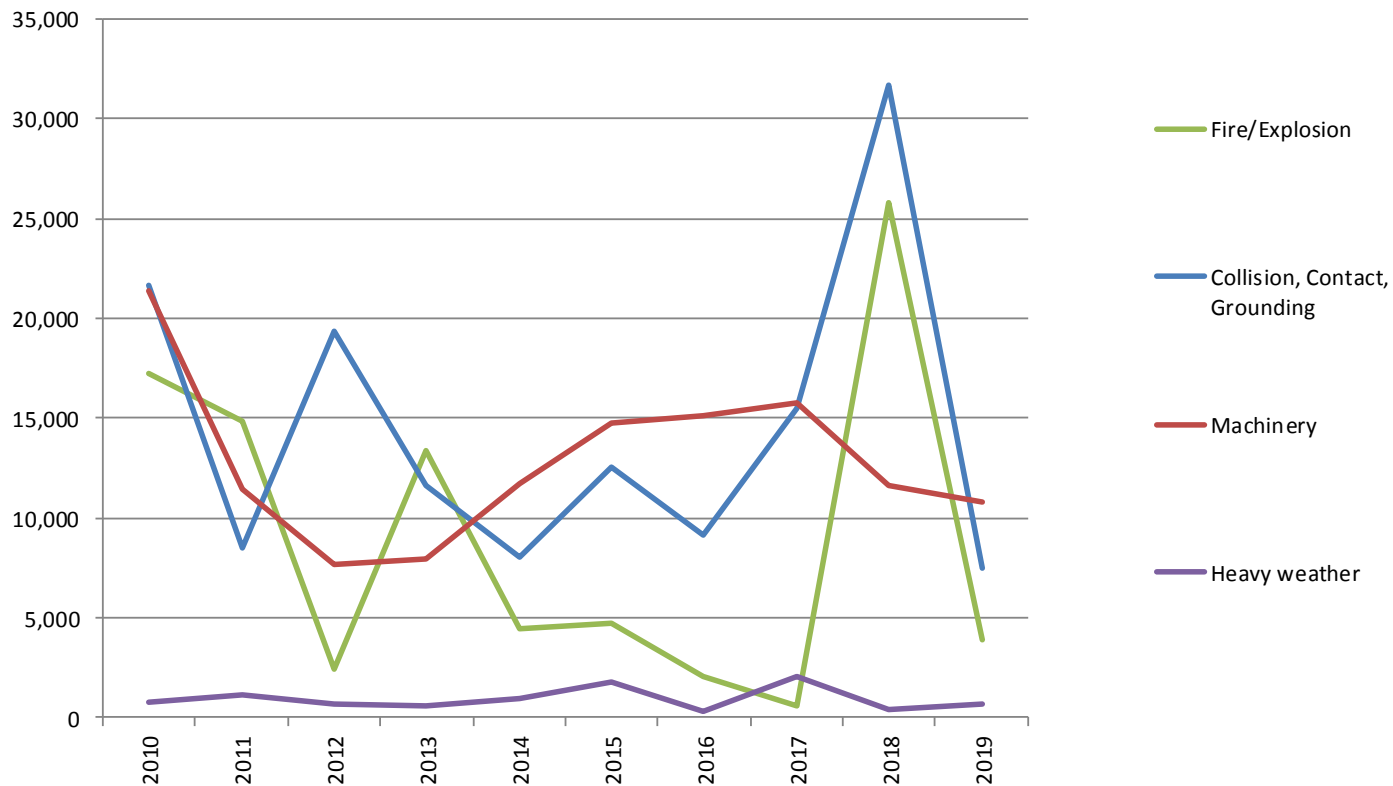
Claims frequency



FISHING VESSELS – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

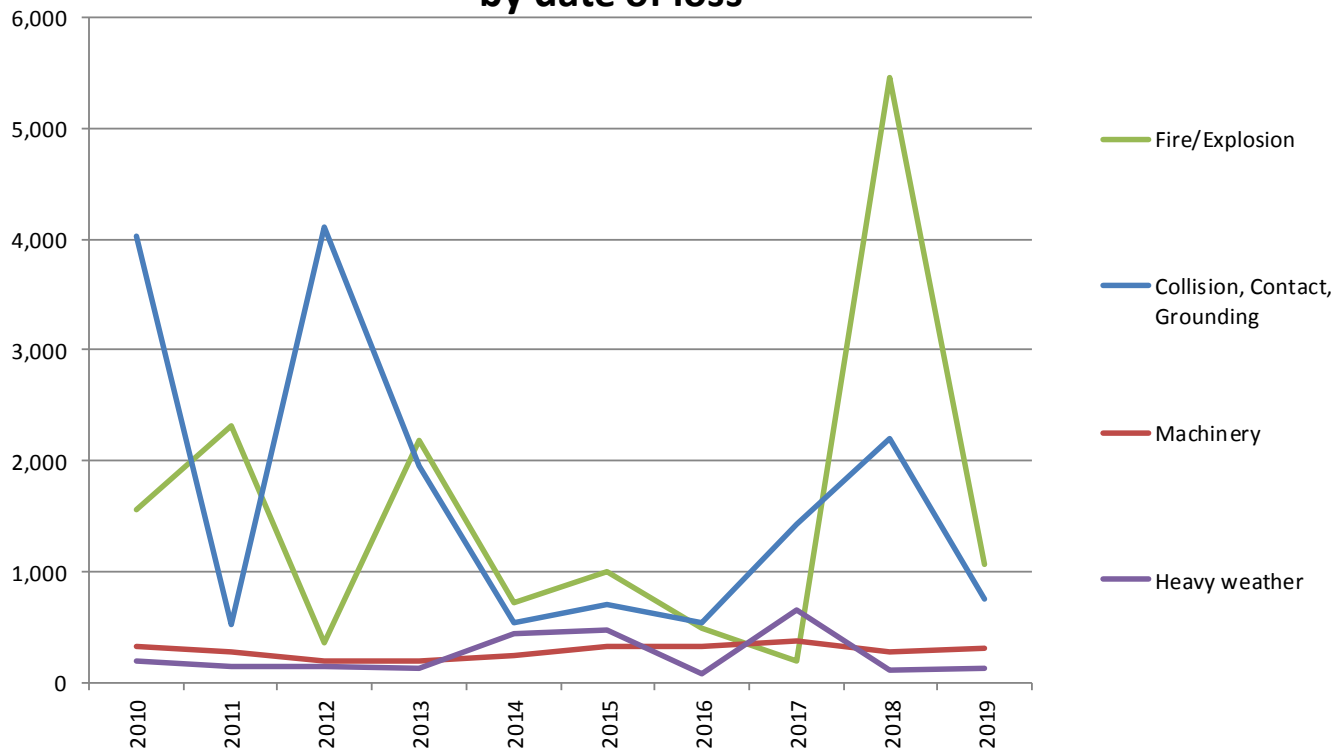
Claim per vessel per type of casualty, by date of loss



FISHING VESSELS – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

**Average claim cost per type of casualty (NOK 1,000)
by date of loss**



NOMIS REPORTS ISSUED APRIL 2019

Cefor marine insurance statistics publications at www.cefor.no/statistics
(check the 'NoMIS' section)

- Cefor Annual Report 2019
- The 2019 Cefor NoMIS OCEAN Hull Report
- The 2019 Cefor NoMIS COASTAL Hull Report

In addition a half-year hull trend update as of June is published annually.

Other marine insurance statistics:

- IUMI (International Union of Marine Insurance) –
Statistics issued by IUMI's Facts & Figures Committee: <https://iumi.com/statistics>