



Australian Government

Australian Maritime Safety Authority

2023 Seafarer Certification Statistics

29 November 2023

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SEAFARER CERTIFICATION DEMOGRAPHICS

High level statistics

This data is valid as of **29 November 2023**.

Data fluctuates daily as new certificates of competency are issued, expire, and are revalidated.

Domestic – Near coastal certificates of competency (CoCs)

This table shows the number of:

- valid near coastal certificates issued by AMSA
- near coastal seafarers qualified to work on Australian domestic commercial vessels (DCVs).

Near coastal	November 2022		November 2023	
	Certificates	Seafarers	Certificates	Seafarers
Deck³	28,500	25,177	29,691	27,325
Engine³	12,598	11,822	12,703	12,278
Total	41,098¹	26,912²	42,394¹	29,039²

Notes

¹The number of certificates of competency issued for near coastal seafarers is significantly higher than the number of international certificates issued. That's because it's far more common for seafarers to have dual engineering and deck certification when working in the domestic industry.

²Many near coastal seafarers hold both deck and engine certification. Seafarers that have both a deck and engine CoC are counted in both the deck and engine category, while the total represents the total number of seafarers.

³On 1 January 2023, the revised Marine Order 505 took effect. This Marine Order amended the names of several certificates of competency and introduced new certificates of competency. These figures conform to the certification framework in the latest version of Marine Order 505.

Learn more about [how to interpret this data](#).

What is a domestic CoC?

Seafarers holding domestic CoCs can work on Australian DCVs out to the limit of the exclusive economic zone of Australia. Certification determines the position they can hold, and size or power rating of the vessels they can work on.

International – Standards of training certification and watchkeeping (STCW) certificates of competency

This table shows the number of:

- valid STCW certificates issued by AMSA
- seafarers who hold SCTW certificates issued by AMSA.

STCW	November 2022	
	Certificates	Seafarers
Deck	2,271	2,027
Engine	1,662	1,435
Total	3,933	3,462

Other International certificates	November 2022	
	Certificates	Seafarers
Certificates of Proficiency	2,271	2,171
Certificate of training safety (COST)	Not recorded	Not recorded

Notes

Learn more about [how to interpret this data](#).

What is an international CoC?

Seafarers holding international CoCs can work on international trading ships. Certification determines the position they can hold, and the size and type of vessels they can work on.

How to interpret the data

All data provided should be used as a 'point in time estimation' of the number of seafarers and certification held.

The data may be ambiguous. When using it, keep in mind that:

- many seafarers hold more than one certificate, and some seafarers hold both near coastal and STCW certification
- some seafarers hold more than one of the same certificate at a point in time. This is due to the renewal cycles for certificates where a new certificate is issued before a current certificate has expired.
- AMSA inherited data from other maritime agencies when the national system was established
- naming conventions, changes to certificate names, and complexities in endorsements, mean that the data has been grouped in some places.

STCW CERTIFICATE OF COMPETENCY DEMOGRAPHIC INFORMATION

STCW CERTIFICATE OF COMPETENCY (COC) CAPACITY BY AGE

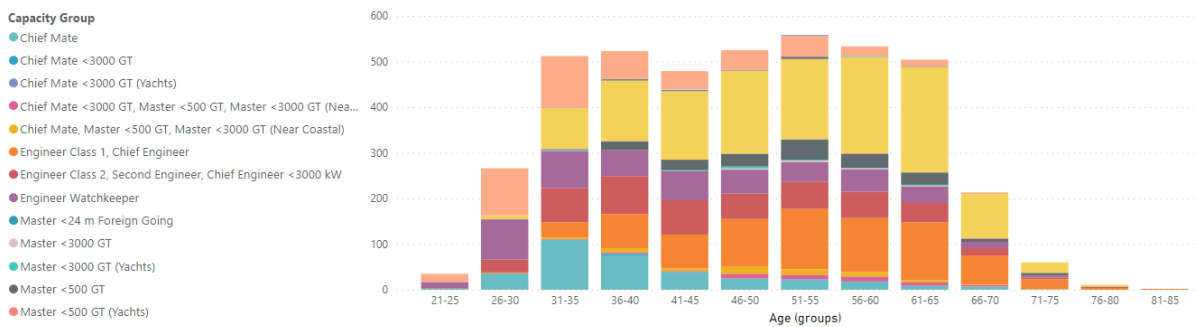
The graphs and tables below provide the total number of active CoC's as at 29 November 2023.

A specific seafarer will be counted multiple times if they hold multiple certificates. The total figures presented in the table indicate the total number of CoC's active. This number changes daily as CoC's expire, are renewed and new certificates are issued.

The tables below do not include endorsements or recognition of foreign issued CoC's.

STCW All CoC - Capacity by age

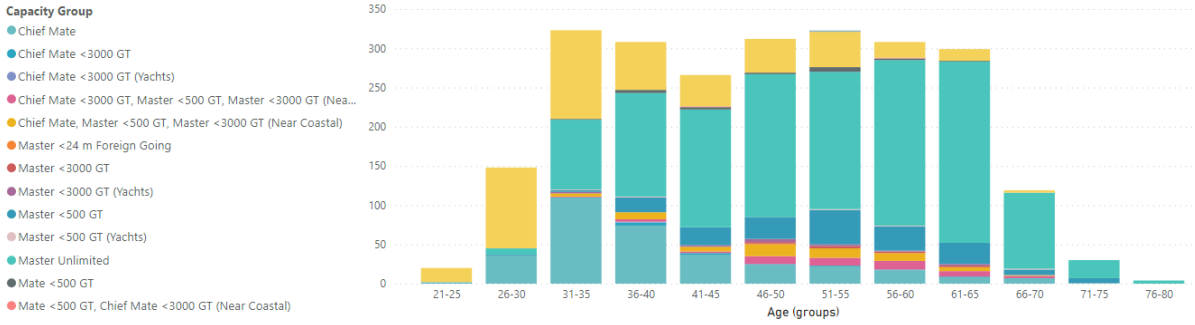
Number of Certificates



Capacity Group	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Master Unlimited		8	89	132	150	182	175	211	231	97	23	4		1302
Engineer Class 1, Chief Engineer		2	33	75	74	105	132	118	127	64	22	4	2	758
Engineer Watchkeeper		14	88	81	57	64	52	43	49	36	14	4	1	503
Engineer Class 2, Second Engineer, Chief Engineer <3000 kW		1	28	75	83	75	56	60	58	42	16	4	2	500
Watchkeeper Deck		18	103	113	61	40	43	45	20	15	3			461
Chief Mate		2	36	109	74	37	24	22	17	8	7	1		337
Master <500 GT			1	2	19	23	28	44	31	27	7	6		188
Chief Mate, Master <500 GT, Master <3000 GT (Near Coastal)			4	9	6	15	12	10	5	1				62
Chief Mate <3000 GT, Master <500 GT, Master <3000 GT (Near Coastal)			1	3	2	10	10	11	7	3				47
Master <500 GT			1	4	3	2	6	2	1					19
Master <3000 GT (Yachts)				2	2	4	2	1	2					13
Chief Mate <3000 GT				1	4	2	1	1	1					11
Master <3000 GT						2	3	2	2					9
Master <500 GT (Yachts)				1	1			1		1				5
Master <500 GT, Chief Mate <3000 GT (Near Coastal)						1			1					2
Chief Mate <3000 GT (Yachts)					1									1
Master <24 m Foreign Going						1								1
Watchkeeper Deck <500 GT							1							1
Watchkeeper Deck <500 GT, Watchkeeper Deck <3000 GT (Near Coastal)								1						1
Total	35	266	512	523	479	525	558	533	504	213	60	11	2	4221

STCW Deck CoC - Capacity by age

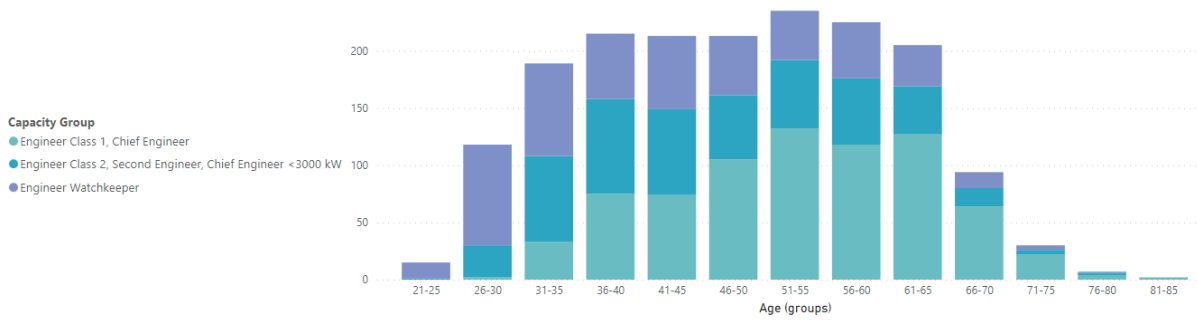
Number of Certificates



Capacity Group	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Total
Master Unlimited		8	89	132	150	182	175	211	231	97	23	4	1302
Watchkeeper Deck	18	103	113	61	40	43	45	20	15	3			461
Chief Mate	2	36	109	74	37	24	22	17	8	7	1		337
Master <500 GT		1	2	19	23	28	44	31	27	7	6		188
Chief Mate, Master <500 GT, Master <3000 GT (Near Coastal)			4	9	6	15	12	10	5	1			62
Chief Mate <3000 GT, Master <500 GT, Master <3000 GT (Near Coastal)			1	3	2	10	10	11	7	3			47
Mate <500 GT			1	4	3	2	6	2	1				19
Master <3000 GT (Yachts)			2		2	4	2	1	2				13
Chief Mate <3000 GT			1	4	2	1	1	1	1				11
Master <3000 GT						2	3	2	2				9
Master <500 GT (Yachts)			1	1			1	1		1			5
Mate <500 GT, Chief Mate <3000 GT (Near Coastal)						1		1					2
Chief Mate <3000 GT (Yachts)				1									1
Master <24 m Foreign Going						1							1
Watchkeeper Deck <500 GT							1						1
Watchkeeper Deck <500 GT, Watchkeeper Deck <3000 GT (Near Coastal)							1						1
Total	20	148	323	308	266	312	323	308	299	119	30	4	2460

STCW Engine CoC - Capacity by age

Number of Certificates

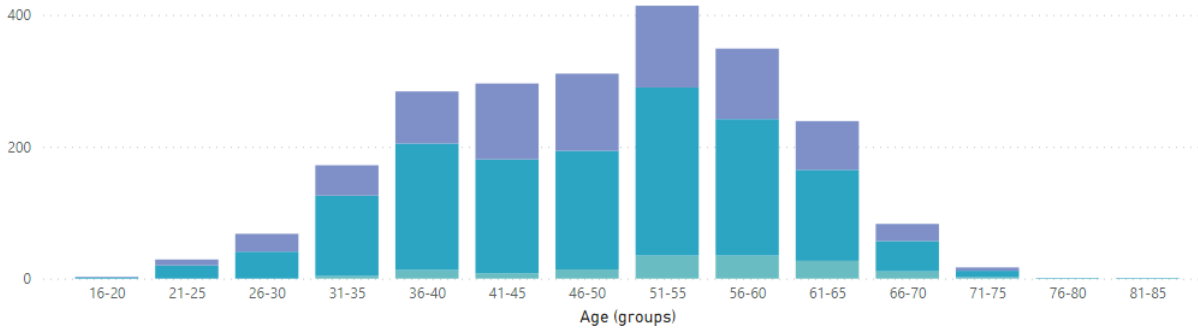


Capacity Group	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Engineer Class 1, Chief Engineer		2	33	75	74	105	132	118	127	64	22	4	2	758
Engineer Watchkeeper	14	88	81	57	64	52	43	49	36	14	4	1		503
Engineer Class 2, Second Engineer, Chief Engineer <3000 kW	1	28	75	83	75	56	60	58	42	16	4	2		500
Total	15	118	189	215	213	213	235	225	205	94	30	7	2	1761

STCW Certificate of Proficiency by age

Number of Certificates

Capacity Group ● Chief Integrated Rating ● Integrated Rating ● Marine Cook

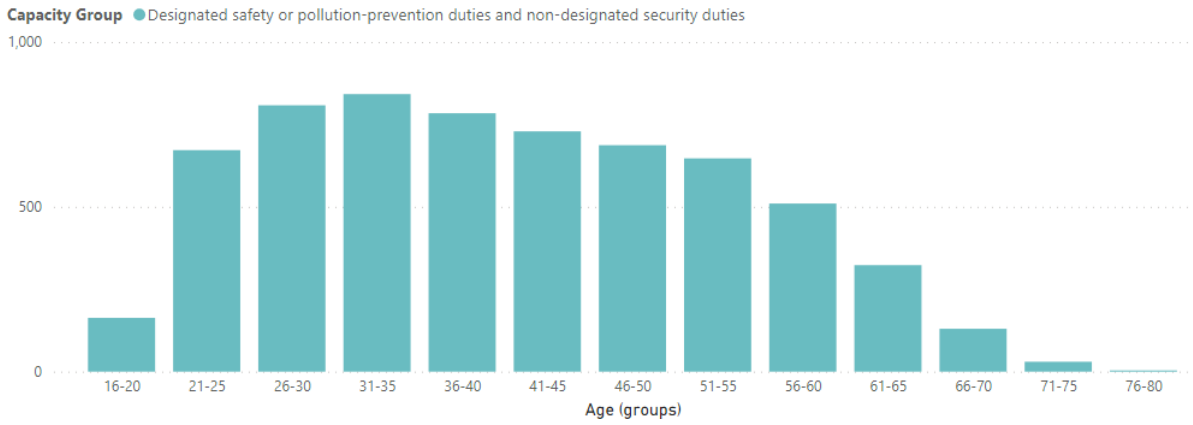


Number of Certificates

Capacity Group	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Integrated Rating	2	20	41	122	192	173	180	255	207	138	46	10	1	1	1388
Marine Cook	1	9	27	46	79	115	117	124	107	74	26	5			730
Chief Integrated Rating				4	13	8	14	35	35	27	11	2			149
Total	3	29	68	172	284	296	311	414	349	239	83	17	1	1	2267

STCW Certificate of Safety Training (CoST) - Proficiency by age

Number of Certificates



Number of Certificates

Capacity Group	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Total
Designated safety or pollution-prevention duties and non-designated security duties	163	672	808	842	784	729	687	647	510	323	130	30	3	6328
Total	163	672	808	842	784	729	687	647	510	323	130	30	3	6328

STCW CERTIFICATE OF COMPETENCY (COC) GENDER BY AGE

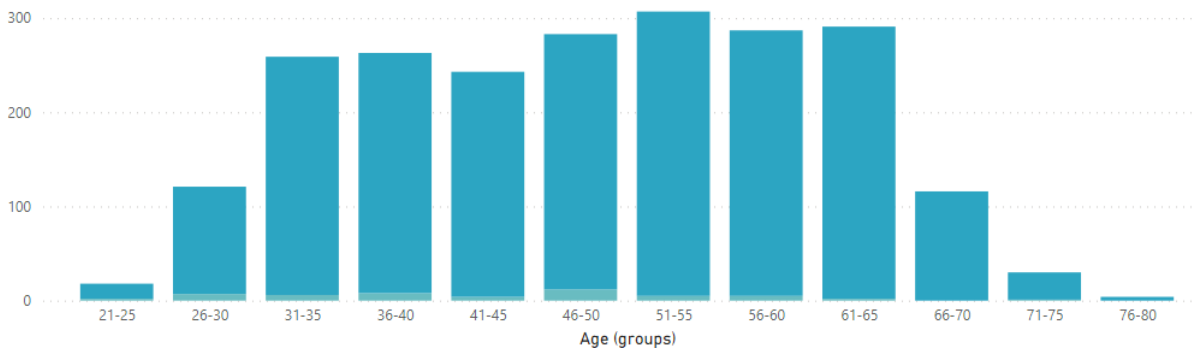
The graphs and tables below provide a breakdown of the number of STCW CoC holders by gender and age.

A specific seafarer will be **counted only once** within their category (Deck, Engine, Certificate of Proficiency) regardless of the number of CoC's they hold. AMSA's STCW records currently only provide for the recording of gender by male or female.

STCW Deck CoC Holders – Gender by age

Number of Certificates

Gender ● Female ● Male



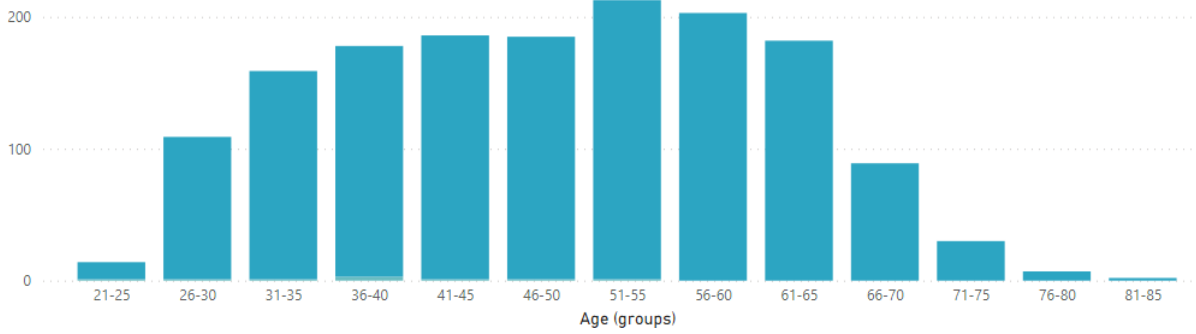
Number of Certificates

Gender	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Total
Male	16	114	253	255	239	271	302	282	289	116	29	4	2170
Female	2	7	6	8	4	12	5	5	2	1	1	0	52
Total	18	121	259	263	243	283	307	287	291	116	30	4	2222

STCW Engine CoC Holders – Gender by age

Number of Certificates

Gender ● Female ● Male



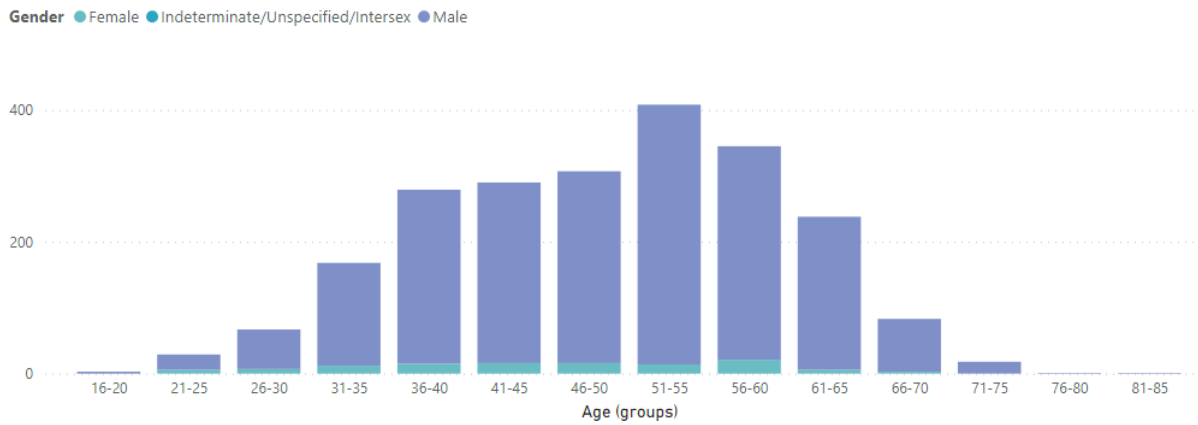
Number of Certificates

Gender	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Male	13	108	158	175	185	184	212	203	182	89	30	7	2	1548
Female	1	1	1	3	1	1	1							9
Total	14	109	159	178	186	185	213	203	182	89	30	7	2	1557

STCW - Certificates of Proficiency

The graph and table below include Chief Integrated Ratings, Integrated Ratings and Marine Cooks.

Number of Certificates

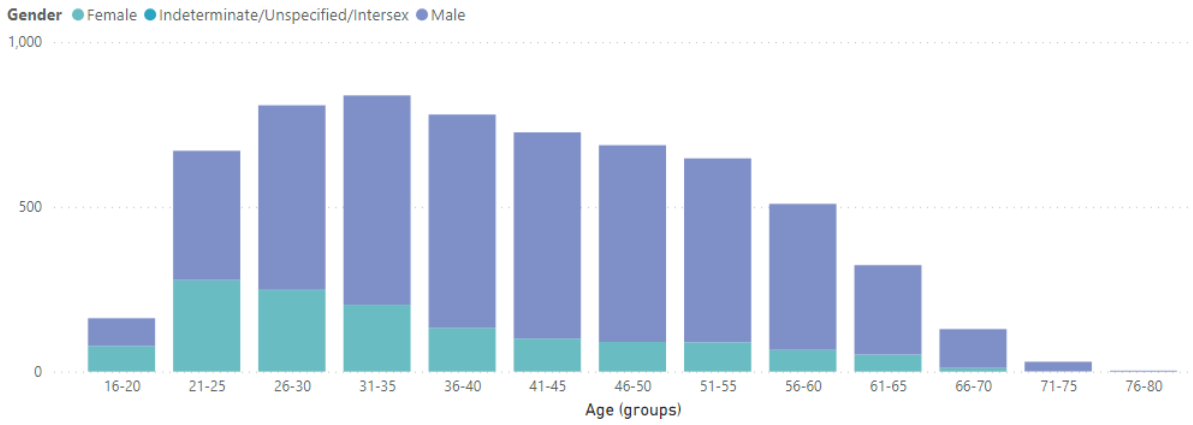


Number of Certificates

Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	Total
Male	3	23	60	156	264	274	291	394	324	232	80	18	1	1	2121
Female		6	7	12	15	16	16	14	20	6	3				115
Indeterminate/Unspecified/Intersex									1						1
Total	3	29	67	168	279	290	307	408	345	238	83	18	1	1	2237

STCW Certificate of Safety Training (CoST) - Gender by age

Number of Certificates



Number of Certificates

Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	Total
Male	84	392	560	635	647	626	597	558	443	271	118	29	3	4963
Female	78	277	247	203	133	100	90	89	65	52	11	1		1346
Indeterminate/Unspecified/Intersex		1	1						1					3
Total	162	670	808	838	780	726	687	647	509	323	129	30	3	6312

NEAR COASTAL CERTIFICATE OF COMPETENCY DEMOGRAPHIC INFORMATION

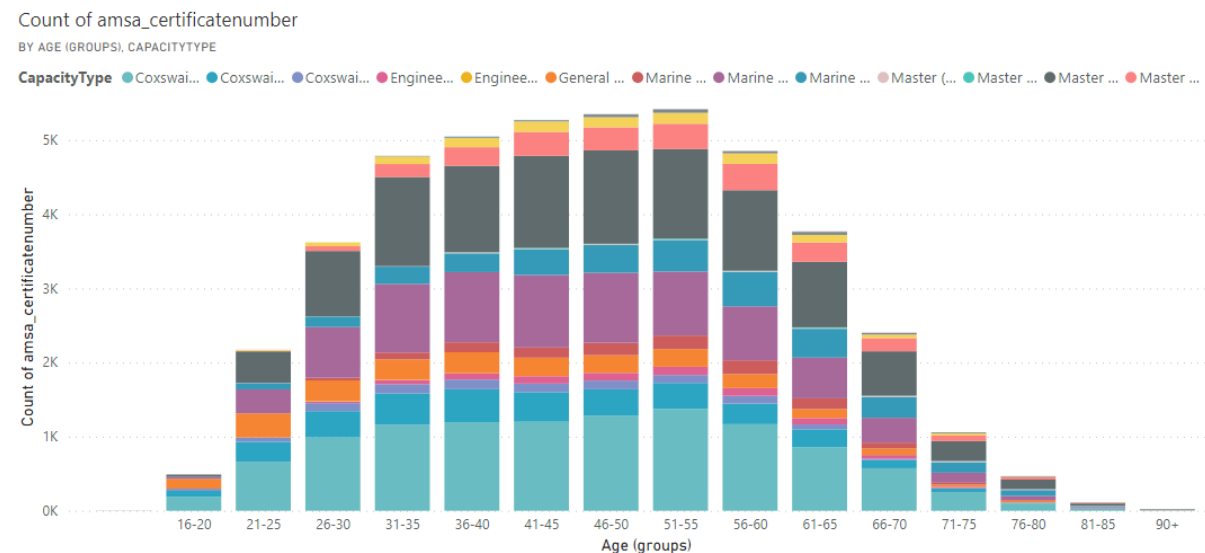
NEAR COASTAL COC – CAPACITY BY AGE

The graphs and tables below provide the total number of active CoC’s as at 29 November 2023.

A specific seafarer will be counted multiple times if they hold multiple certificates. The total figures presented in the tables indicate the total number of CoC’s active. This number changes daily as CoC’s expire, are renewed and new certificates are issued.

Note – The statistics provided align with the new Near Coastal Certification framework established under the new Marine Order 505, which took effect 1 January 2023.

All Near coastal CoC - Capacity by Age



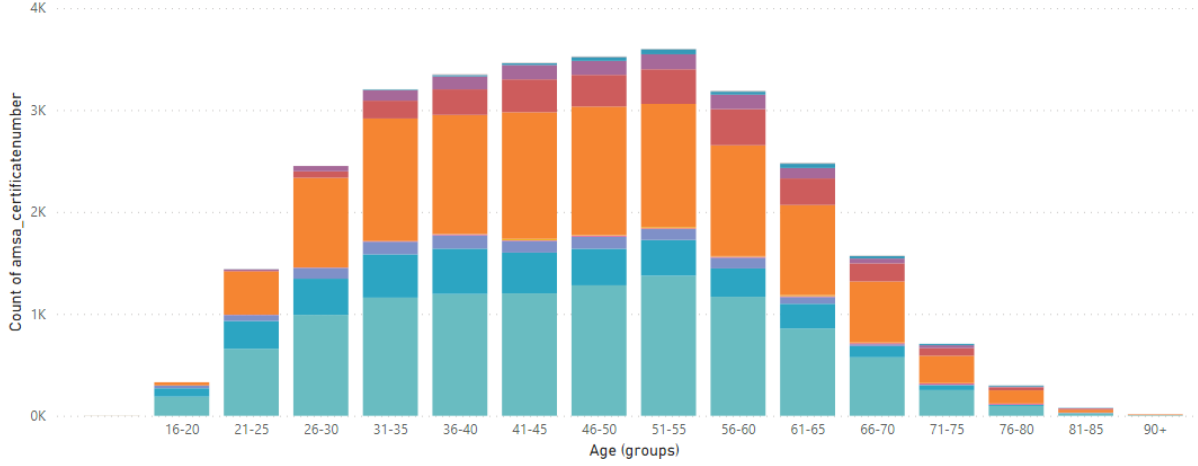
CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Coxswain Grade 1 NC	1	188	656	990	1159	1195	1201	1280	1374	1168	856	574	252	97	26	5	11022
Coxswain Grade 2 NC		82	275	355	425	445	400	359	351	278	243	110	49	11	2	1	3386
Coxswain Grade 3 NC		28	58	107	124	131	115	118	107	105	66	18	4	1			982
Engineer Class 3 NC				21	55	82	100	104	111	104	87	51	19	2			736
Engineer Watchkeeper				6	4	2		1									13
General Purpose Hand NC		134	324	280	276	284	250	237	239	189	121	87	29	24	3	2	2479
Marine Engine Driver Grade 1 NC				4	36	92	134	137	167	183	186	144	80	25	11	2	1201
Marine Engine Driver Grade 2 NC	1	22	321	684	926	947	978	945	863	728	550	335	136	56	17	5	7514
Marine Engine Driver Grade 3 NC		4	85	143	233	253	346	374	426	464	389	281	142	78	17	4	3239
Master (Inland Waters)				3	3	6	11	6	12	8	11	9	11	12	11	4	107
Master <100m NC						4	14	5	11	6	10	6	4				60
Master <24m NC	1	31	425	880	1203	1166	1242	1260	1209	1086	884	599	268	130	28	7	10419
Master <35m NC			6	64	175	251	323	311	340	355	261	178	75	30	11		2380
Master <45m NC			13	52	102	127	141	137	147	142	102	47	28	7	3	1	1049
Master <80m NC			1	7	14	17	37	48	29	42	23	14	9	3			244
Mate <80m NC				1	2	8	3	3	2	1	3						23
Sailing Master Coastal NC					1												1
Sailing Master Offshore NC			1				1	3	2	4	3	3		1			18
Total	3	489	2172	3622	4790	5054	5274	5353	5421	4856	3770	2403	1057	468	116	25	44873

Near Coastal Deck CoC - Capacity by Age

Count of amsa_certificatenummer

BY AGE (GROUPS), CAPACITYTYPE

CapacityType ● Coxswain ... ● Coxswain ... ● Coxswai... ● Master (I... ● Master ... ● Master ... ● Master ... ● Master ... ● Master ... ● Mate <8... ● Sailing ... ● Sailing ...



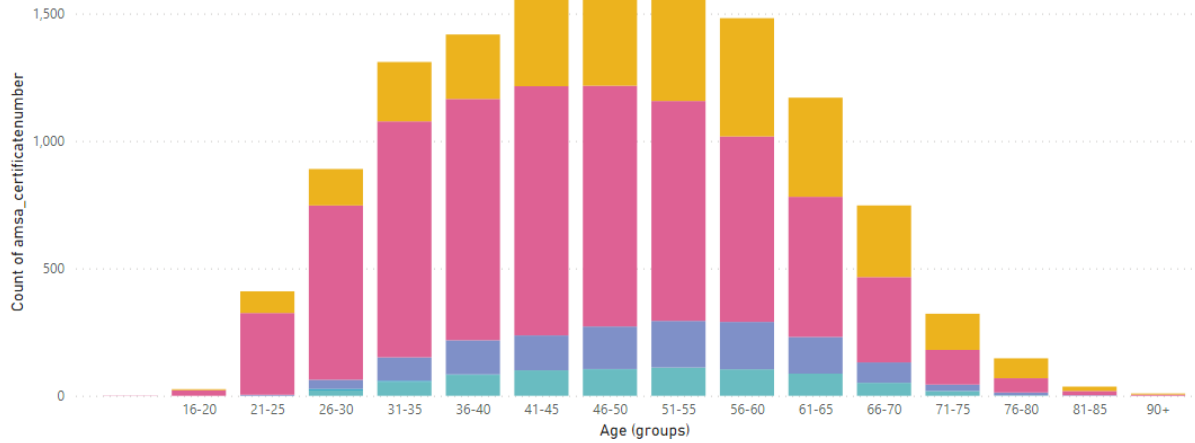
CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Coxswain Grade 1 NC	1	188	656	990	1195	1201	1280	1374	1168	856	574	252	97	26	5	11022	
Coxswain Grade 2 NC	82	275	355	425	445	400	359	351	278	243	110	49	11	2	1	3386	
Coxswain Grade 3 NC	28	58	107	124	131	115	118	107	105	66	18	4	1			982	
Master (Inland Waters)			3	3	6	11	6	12	8	11	9	11	12	11	4	107	
Master <100m NC					4	14	5	11	6	10	6	4				60	
Master <24m NC	1	31	425	880	1203	1166	1242	1260	1209	1086	884	599	268	130	28	7	10419
Master <35m NC			6	64	175	251	323	311	340	355	261	178	75	30	11		2380
Master <45m NC			13	52	102	127	141	137	147	142	102	47	28	7	3	1	1049
Master <80m NC			1	7	14	17	37	48	29	42	23	14	9	3			244
Mate <80m NC				1	2	8	3	3	2	1	3						23
Sailing Master Coastal NC					1												1
Sailing Master Offshore NC			1			1	3	2	4	3	3		1				18
Total	2	329	1438	2452	3204	3352	3463	3525	3599	3185	2479	1569	706	297	77	14	29691

Near Coastal Engine CoC - Capacity by Age

Count of amsa_certificatenummer

BY AGE (GROUPS), CAPACITYTYPE

CapacityType ● Engineer Class 3 NC ● Engineer Watchkeeper ● Marine Engine Driver Grade 1 NC ● Marine Engine Driver Grade 2 NC ● Marine Engine Driver Grade 3 NC



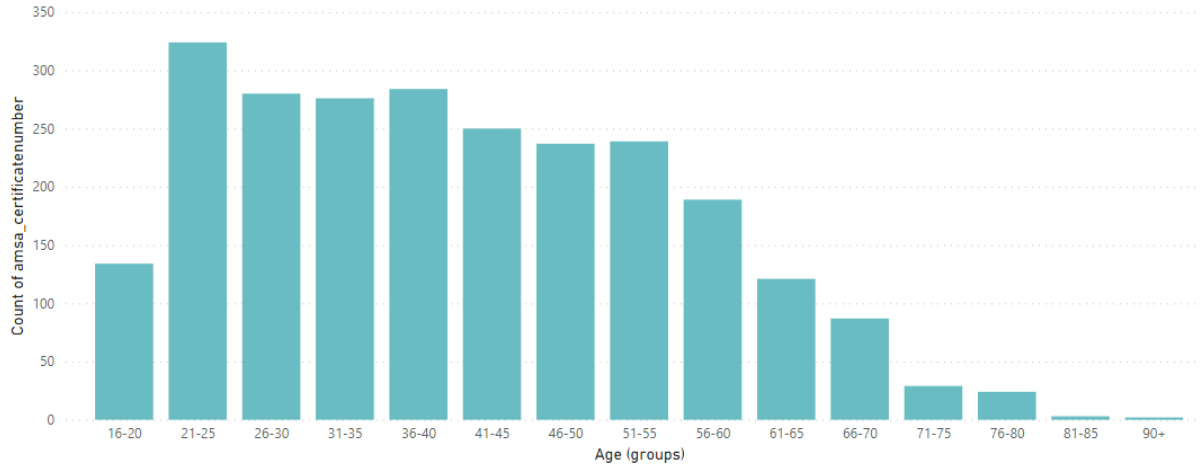
CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Engineer Class 3 NC			21	55	82	100	104	111	104	87	51	19	2			736	
Engineer Watchkeeper			6	4	2		1									13	
Marine Engine Driver Grade 1 NC		4	36	92	134	137	167	183	186	144	80	25	11	2		1201	
Marine Engine Driver Grade 2 NC	1	22	321	684	926	947	978	945	863	728	550	335	136	56	17	5	7514
Marine Engine Driver Grade 3 NC		4	85	143	233	253	346	374	426	464	389	281	142	78	17	4	3239
Total	1	26	410	890	1310	1418	1561	1591	1583	1482	1170	747	322	147	36	9	12703

Near Coastal General-Purpose Hand CoC - Capacity by Age

Count of amsa_certificatenum

BY AGE (GROUPS), CAPACITYTYPE

CapacityType ● General Purpose Hand NC



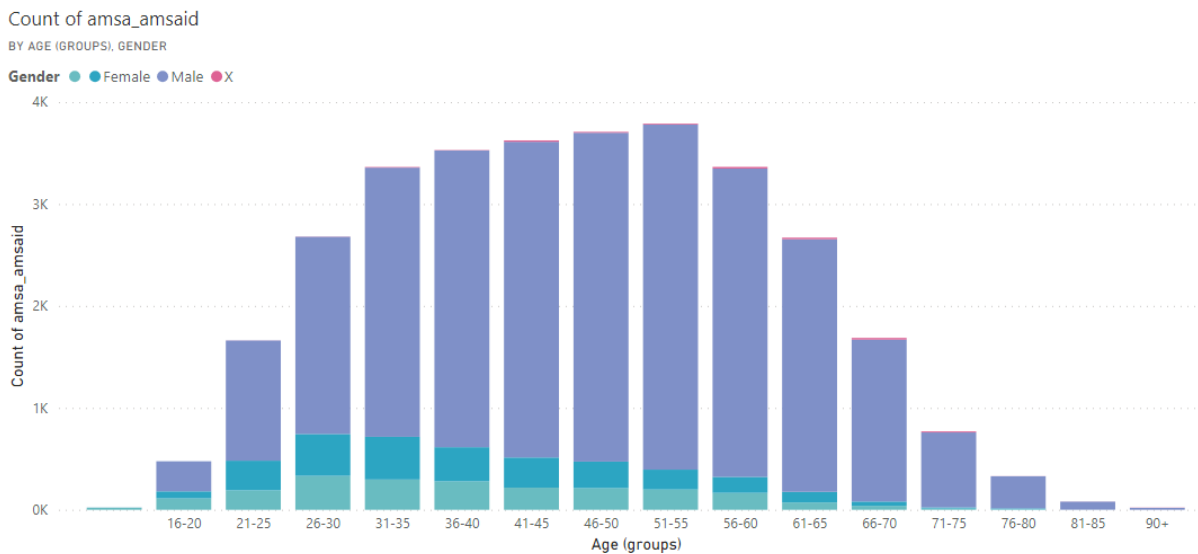
CapacityType	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total
General Purpose Hand NC	134	324	280	276	284	250	237	239	189	121	87	29	24	3	2	2479
Total	134	324	280	276	284	250	237	239	189	121	87	29	24	3	2	2479

NEAR COASTAL COC – GENDER BY AGE

The graphs and tables below provide a breakdown of the number of Near Coastal CoC holders by gender and age. This reflects the actual number of seafarers, and their respective CoC held.

A specific seafarer will be **counted only once** within their category (Deck, Engine, Other) regardless of the number of CoC's they hold. A number of seafarers CoC records have no gender information associated with them. This is because AMSA inherited CoC demographic data from state maritime agencies when the national system was established.

All near coastal CoC holders – gender by age



Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Female	20	69	291	419	335	296	261	195	157	105	42	12	10	1	1	2153	
Male	1	295	1179	1935	2641	2911	3098	3226	3386	3025	2479	1589	735	315	79	19	26913
X			1	2	6	4	13	9	9	16	15	16	10	1	1	2	105
Total	22	476	1662	2681	3363	3529	3624	3708	3789	3364	2670	1686	769	330	81	21	31775

There are 31,775 individual seafarers who hold Near Coastal CoC's. AMSA's information on gender has been inherited through historical records. Information held by AMSA indicates the following:

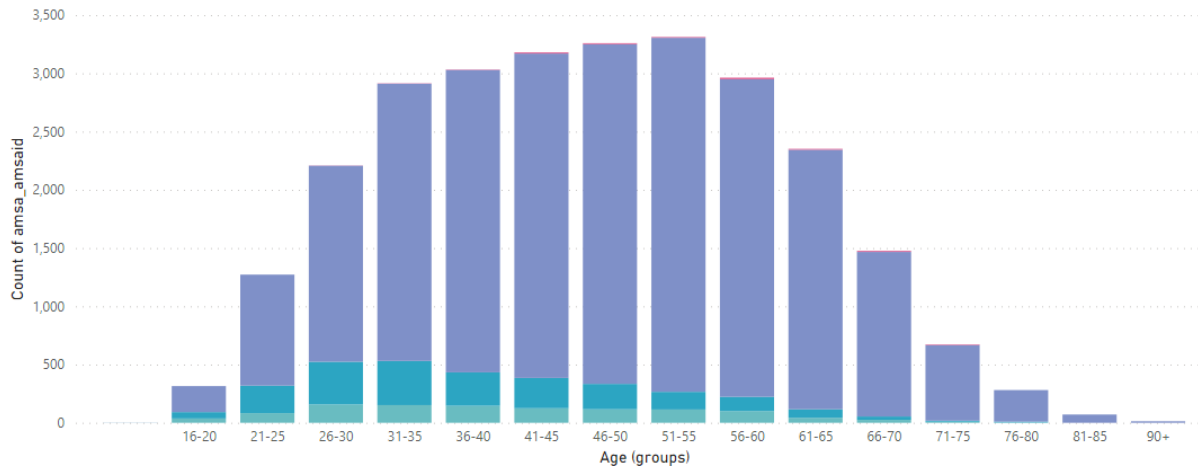
- 2,604 identify as female,
- 26,913 identify as male,
- 2,258 seafarers have no gender information associated with their record.

Near Coastal Deck CoC – Gender by age

Count of amsa_amsaid

BY AGE (GROUPS), GENDER

Gender ● Female ● Male ● X



Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Female	1	37	83	158	146	125	116	114	101	43	25	9	2			1112	
Male	55	236	366	379	287	260	218	152	122	73	29	9	8			2194	
X	1	223	953	1683	2380	2596	2785	2916	3039	2726	2228	1413	649	271	71	13	23947
Total	2	315	1272	2209	2914	3033	3180	3259	3312	2963	2352	1476	673	281	71	13	27325

There are 27,325 individual seafarers who hold Near Coastal Deck CoC's. AMSA's information on gender has been inherited through historical records. Information held by AMSA indicates the following:

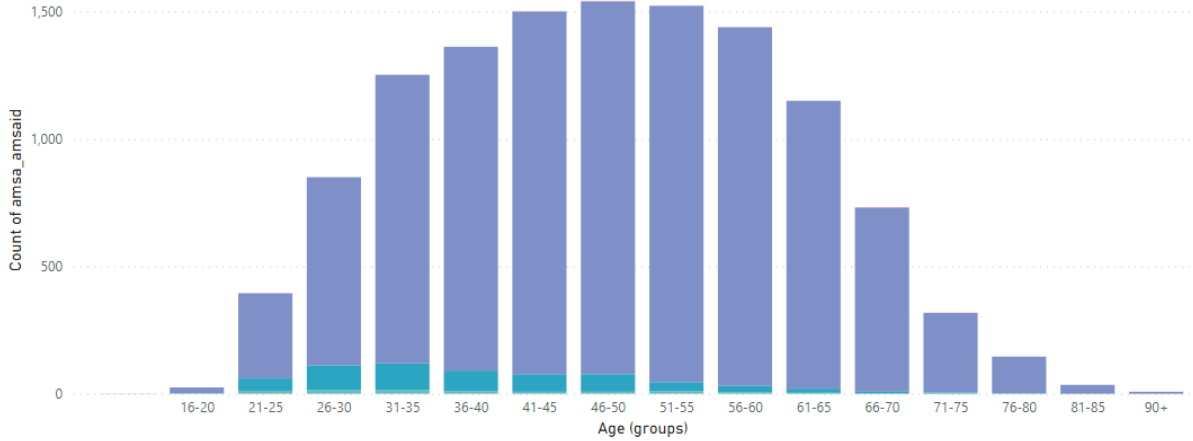
- 2,194 identify as female,
- 23,947 identify as male,
- 1,184 seafarers have no gender information associated with their record.

Near Coastal Engine CoC – Gender by age

Count of amsa_amsaid

BY AGE (GROUPS), GENDER

Gender ● Female ● Male ● X



Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total	
Female	1	1	12	14	15	11	8	8	11	5	4	1	1	1		93	
Male		1	48	98	104	80	69	69	35	26	16	7	4	2	35	8	11619
X			23	334	738	1133	1271	1423	1463	1477	1407	1130	722	312	143		7
Total	1	25	395	850	1252	1362	1501	1541	1523	1439	1150	732	318	146	35	8	12278

There are 12,278 individual seafarers who hold Near Coastal Engine CoC's. AMSA's information on gender has been inherited through historical records. Information held by AMSA indicates the following:

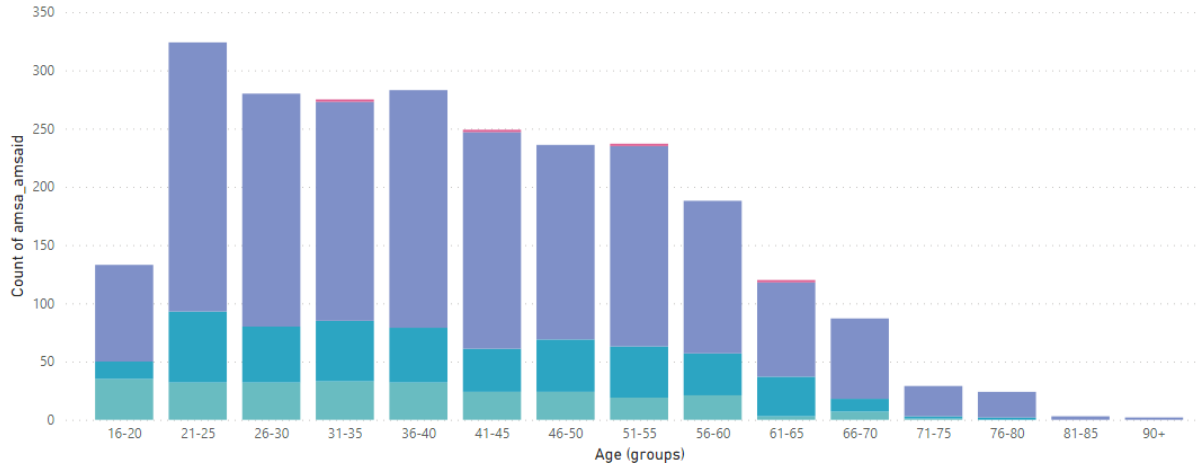
- 559 identify as female,
- 11,619 identify as male,
- 100 seafarers have no gender information associated with their record.

General Purpose Hand and other – Gender by age

Count of amsa_amsaid

BY AGE (GROUPS), GENDER

Gender ● Female ● Male ● X



Gender	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	90+	Total
Female	35	32	32	33	32	24	24	19	21	3	7	1				263
Male	83	231	200	188	204	186	167	172	131	81	69	26	22	3	2	1765
X				2		2		2		2						8
Total	133	324	280	275	283	249	236	237	188	120	87	29	24	3	2	2470

There are 2,470 individual seafarers who hold either General Purpose Hand CoC. AMSA's information on gender has been inherited through historical records. Information held by AMSA indicates the following:

- 434 identify as female,
- 1,765 identify as male,
- 271 seafarers have no gender information associated with their record.

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