



Institute
and Faculty
of Actuaries

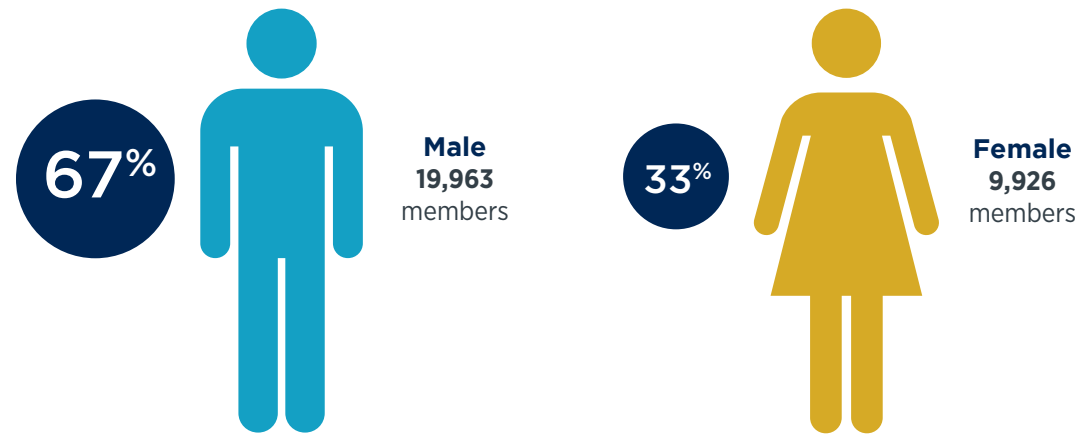
Our members

At a glance 2016



Membership at a glance 2016

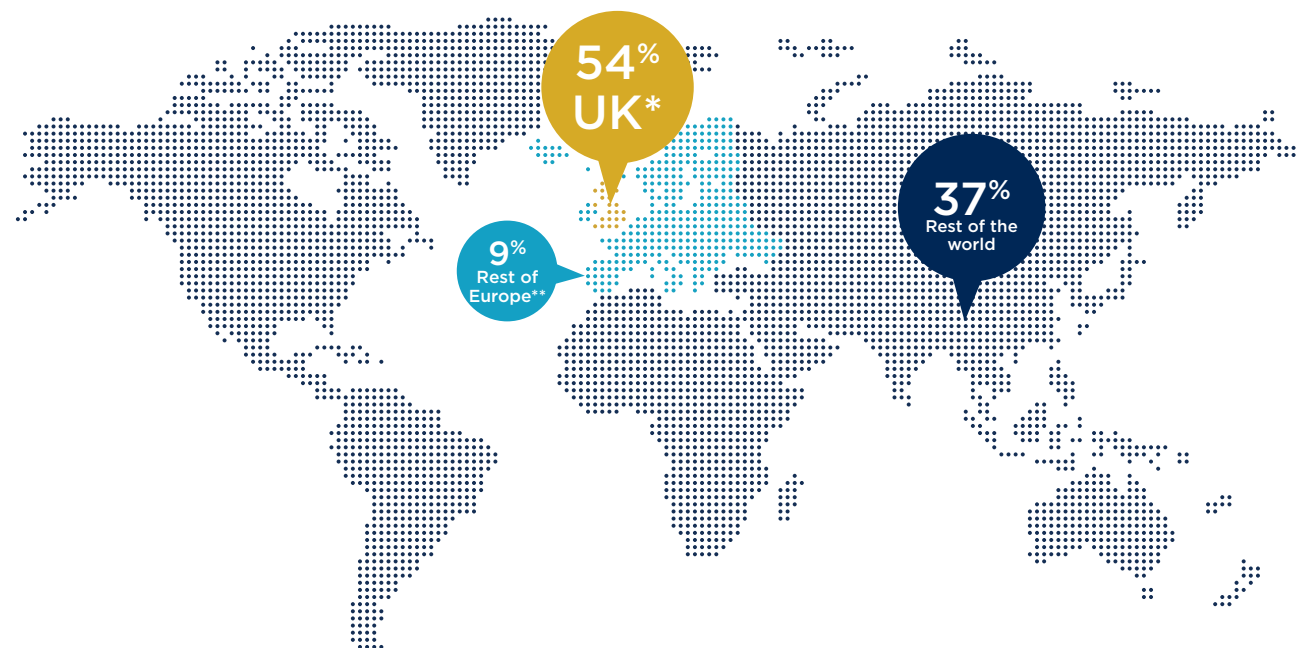
Gender split



Age



Location



* inc Northern Ireland
** inc Republic of Ireland

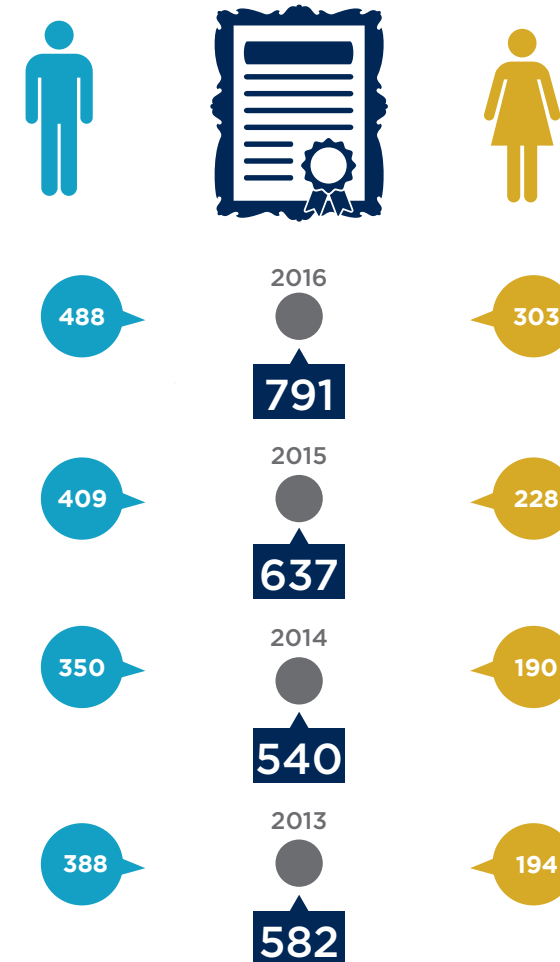
Exam passes:



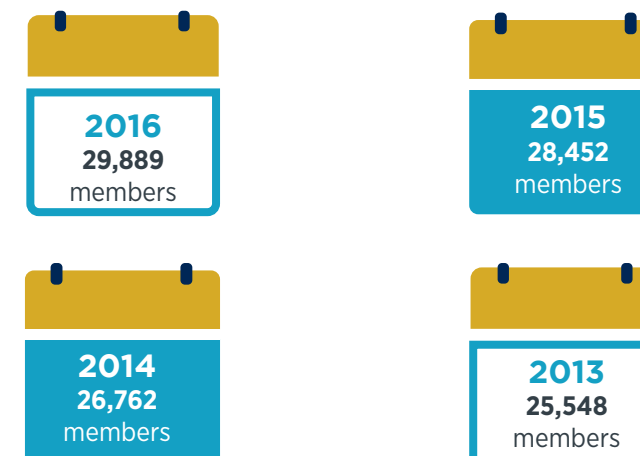
11,485

IFoA exams were passed in 2016.

Qualifiers over the years



Our membership over the year:



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Members

Membership by age Member numbers at the end of December 2016

Age	Affiliate	Associate	CAA	Fellow	Honorary - Full	SAA	Student	Total
<21	-	-	-	-	-	11	1,330	1,341
21-25	5	2	-	28	-	56	5,061	5,152
26-30	30	17	2	1,339	-	89	4,880	6,357
31-35	55	43	2	2,497	-	66	2,475	5,138
36-40	93	71	-	2,595	-	43	1,090	3,892
41-45	103	61	1	1,661	-	17	405	2,248
46-50	98	50	-	1,559	3	5	276	1,991
51-55	72	17	-	1,005	4	4	92	1,194
56-60	46	10	-	590	6	1	39	692
61-65	53	50	-	448	19	2	24	596
66-70	29	41	-	380	21	1	7	479
71-75	12	29	-	251	25	-	5	322
76-80	3	12	-	156	11	-	1	183
81-85	1	10	-	136	9	-	2	158
86-90	1	8	-	61	2	-	2	74
91-95	1	3	-	36	1	-	-	41
96-100	-	2	-	12	-	-	1	15
>100	-	1	-	6	-	-	-	7
Unknown	-	-	-	-	5	-	4	9
TOTALS	602	427	5	12,760	106	295	15,694	29,889

Membership by gender Data as at last day of December 2016

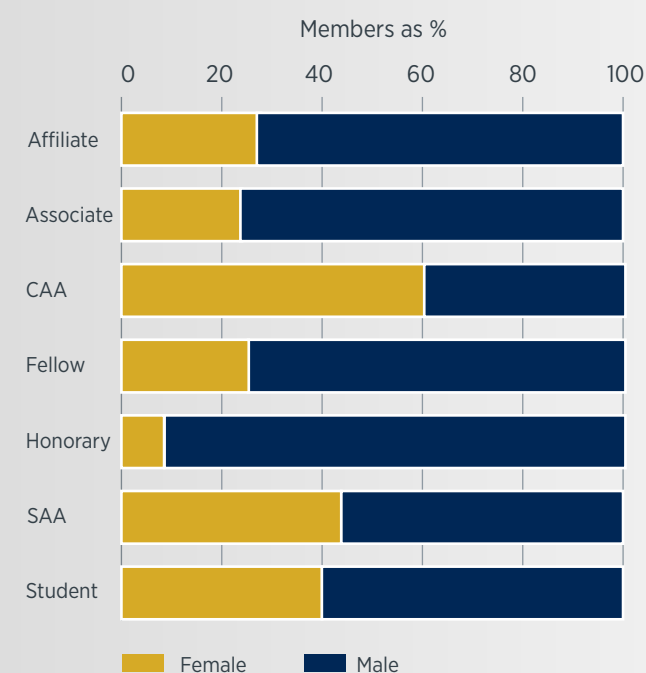
Gender	Affiliate	Associate	CAA	Fellow	Honorary - Full	SAA	Student	Total
Female	158	102	3	3,334	8	127	6,194	9,926
Male	444	325	2	9,426	98	168	9,500	19,963
TOTALS	602	427	5	12,760	106	295	15,694	29,889

Membership by location Data as at last day of December 2016

Location	Affiliate	Associate	CAA	Fellow	Honorary - Full	SAA	Student	Total
UK (inc Northern Ireland)	330	222	5	9,285	50	125	6,113	16,130
Rest of World	189	164	-	2,363	29	137	8,312	11,194
Europe (inc Republic of Ireland)	83	41	-	1,112	27	33	1,269	2,565
TOTALS	602	427	5	12,760	106	295	15,694	29,889

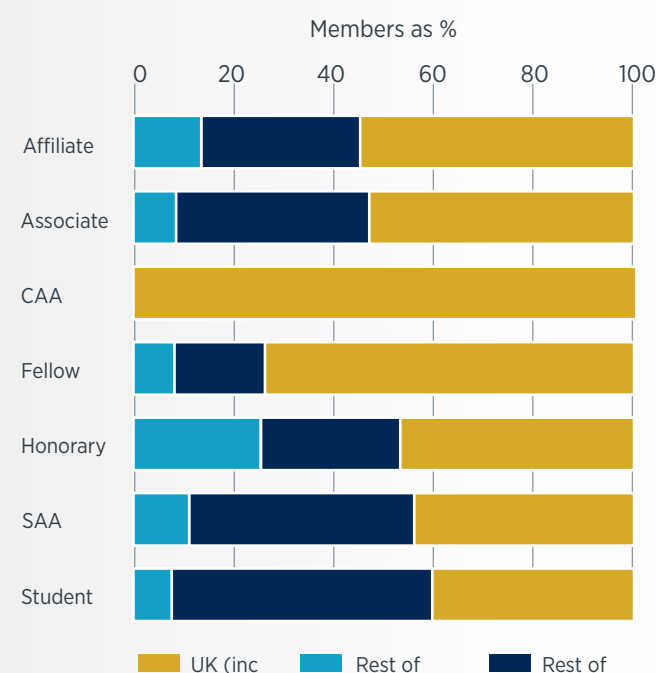
Membership by gender

Member numbers at the end of December 2016



Membership by location

Member numbers at the end of December 2016



Membership by industry sector Member numbers at the end of December 2016

Industry Sector	Affiliate	Associate	CAA	Fellow	Honorary - Full	SAA	Student	Total
Pensions and employee benefits	89	81	2	2,996	8	74	2,166	5,416
Life insurance	146	78	1	3,660	5	41	3,232	7,163
Health and care	1	5	-	183	3	10	238	440
General insurance	98	48	1	1,721	5	43	2,558	4,474
Investment management	26	26	-	614	2	2	278	948
Investment banking (advisory, finance)	12	12	-	104	1	4	95	228
Education	25	6	-	111	29	4	167	342
Information technology	13	11	-	49	-	2	93	168
Enterprise Risk Management	10	10	-	175	2	4	178	379
Other actuarial	15	11	-	187	3	6	281	503
Other non-actuarial	33	17	-	222	8	12	325	617
Resource and Environment	-	-	-	3	-	-	-	3
Unknown	112	47	1	1,749	29	93	6,066	8,097
Retired	22	75	-	986	11	-	17	1,111
TOTALS	602	427	5	12,760	106	295	15,694	29,889

Membership by employer type Member numbers at the end of December 2016

Employer	Affiliate	Associate	CAA	Fellow	Honorary - Full	SAA	Student	Total
Insurance or re-insurance company	201	104	2	4,742	10	109	5,891	11,059
Consulting firm/business advisory firm	155	104	2	4,234	21	70	3,511	8,097
Investment management firm	14	14	-	383	-	2	112	525
Investment bank	6	7	-	113	-	3	76	205
Retail bank or building society	13	5	-	133	-	3	159	313
Public service	12	11	1	238	4	9	232	507
Education provider	28	7	-	137	42	5	194	413
Other financial company	19	20	-	191	2	10	242	484
Other company (non-financial)	32	15	-	202	3	6	205	463
Retired	24	62	-	844	11	1	20	962
Temporarily out of paid workforce	10	11	-	216	1	1	127	366
No Information Provided	82	43	-	1,010	11	72	4,781	5,999
Risk Management	1	4	-	67	-	2	96	170
Fully retired	4	15	-	212	1	-	4	236
Regulator	-	1	-	16	-	1	24	42
Self employed/Sole trader	1	4	-	22	-	1	20	48
TOTALS	602	427	5	12,760	106	295	15,694	29,889

Students

Student membership by age

Member numbers at the end of December

Age	2014	2015	2016
<21	864	1,114	1,330
21-25	4,382	4,762	5,061
26-30	4,695	4,821	4,880
31-35	2,258	2,348	2,475
36-40	931	1,031	1,090
41-45	423	423	405
46-50	207	258	276
51-55	89	96	92
56-60	33	32	39
61-65	24	26	24
66-70	6	7	7
71-75	4	4	5
76-80	3	2	1
81-85	2	1	2
86-90	1	2	2
91-95	1	1	-
96-100	-	-	1
Unknown	-	1	4
TOTALS	13,923	14,929	15,694

Student membership by industry sector

Member numbers at the end of December

Industry Sector	2014	2015	2016
Pensions and employee benefits	2,139	2,129	2,166
Life insurance	2,906	3,063	3,232
Health and care	-	-	238
Health and care insurance or advice	199	219	-
General insurance	2,175	2,354	2,558
Investment management	288	286	278
Investment banking (advisory, finance)	104	93	95
Education	216	201	167
Information technology	82	81	93
Enterprise Risk Management	115	165	178
Other actuarial	252	267	281
Other non-actuarial	276	307	325
Unknown	5,152	5,746	6,066
Retired	19	18	17
TOTALS	13,923	14,929	15,694

Student by gender

Member numbers on last day of December 2016

61%
● Male

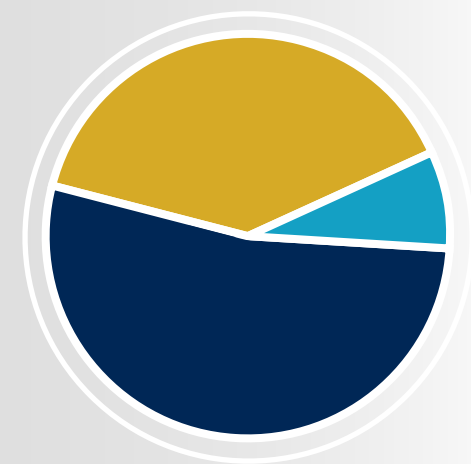


39%
● Female

Student by location

Member numbers on last day of December 2016

39%
● UK (inc Northern Ireland)



53%
● Rest of World

8%
● Rest of Europe (inc Republic of Ireland)

Student membership by employer type Member numbers at the end of December

Employer	2014	2015	2016
Insurance or re-insurance company	4,925	5,626	5,891
Consulting firm/business advisory firm	3,017	3,435	3,511
Investment management firm	-	-	112
Investment Manager	105	111	-
Investment bank	82	80	76
Retail bank or building society	144	165	159
Public service	230	245	232
Education provider	-	-	194
Education	238	236	-
Other financial company	167	204	242
Other company (non-financial)	173	215	205
Retired	20	20	20
Temporarily out of paid workforce	87	77	127
No Information Provided	4,671	4,428	4,781
Risk Management	63	85	96
Fully retired	1	2	4
Regulator	-	-	24
Self employed/Sole trader	-	-	20
TOTALS	13,923	14,929	15,694

University trends

Top 50 most popular universities for student admissions to the IFOA

University	New Student Members	Rank
Heriot-Watt University	82	1
Cass Business School City University London	70	2
London School of Economics & Political Science	63	3
The University of Warwick	60	4
University of Kent at Canterbury	55	5
The University of Manchester	48	6
University of Southampton	37	7
University College Dublin	33	8
Dublin City University	32	9
University of Bath	30	10
University of East Anglia	25	11
Queens University Belfast	25	11
The University of Nottingham	23	13
Durham University	22	14
University of Bristol	19	15
University of Cambridge	18	16
University of Delhi	17	17
University of Leicester	17	17
University of Birmingham	17	17
University College London	17	17
University of Oxford	14	21
Lancaster University	14	21
Imperial College London	13	23
Queen Mary University of London	13	23
University of Leeds	12	25



University trends continued

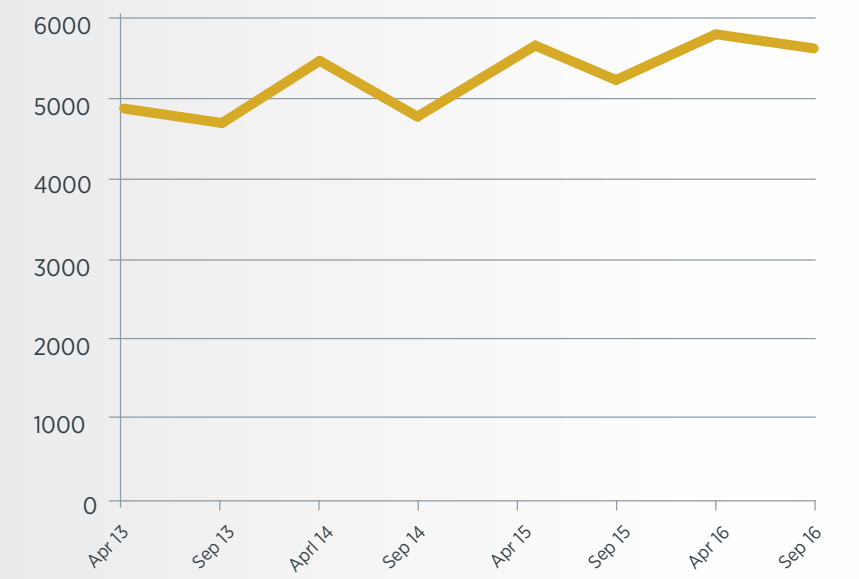
University	New Student Members	Rank
University Of Pretoria	10	26
University Of Lagos	10	26
Nanyang Technological University	10	26
University of Liverpool	9	29
Jomo Kenyatta University of Agriculture & Technology	9	29
Loughborough University	8	31
University of Mumbai	8	31
University of Surrey	8	31
Cairo University	8	31
The University of Sheffield	7	35
Kings College London	7	35
University College Cork	7	35
The University of Strathclyde	7	35
University of St Andrews	7	35
University of Exeter	7	35
University of Edinburgh	6	41
Bharathidasan University	6	41
The University of York	6	41
Kwame Nkrumah University of Science & Technology	6	41
Universita Studi Di Roma La Sapienza	6	41
University Of Karachi	5	46
University of Calcutta	5	46
University of Newcastle upon Tyne	5	46
Brunel University	5	46
University of Colombo	5	46

Exam passes

Exam passes

Exam Session	No. Passes
Apr 13	4,880
Sep 13	4,700
Apr 14	5,474
Sep 14	4,778
Apr 15	5,670
Sep 15	5,287
Apr 16	5,859
Sep 16	5,626

No. of students with passes



First degree trends

Member numbers at the end of December

Degree Subject	2014	2015	2016	Total
Mathematics	261	442	252	955
Actuarial science	190	310	272	772
Economics	28	44	29	101
Science	23	29	24	76
Physics	15	23	10	48
Actuarial finance	-	-	42	42
Mathematics - morse	7	6	18	31
Mathematics - further	17	8	5	30
Finance	5	6	7	18
Statistics	5	8	4	17
Accounting	5	1	1	7
Management	4	1	2	7
Science - other	1	3	3	7
Chemistry	2	2	2	6
Computer science	4	2	-	6
Engineering - civil	2	3	-	5
Engineering	-	4	-	4
Engineering - electrical/electronic	3	1	-	4
Engineering - mechanical	1	3	-	4
Biochemistry	2	-	1	3
Business	2	1	-	3
Astrophysics	-	1	1	2
Biology	1	-	1	2
Banking	1	1	-	2
Business administration	1	1	-	2
Geography	1	1	-	2
Insurance	1	1	-	2
Risk management	-	2	-	2
Unknown	1	1	-	2
Econometrics	2	-	-	2
Education	-	1	-	1
Engineering - chemical	-	1	-	1
Law	-	1	-	1
Medicine	-	1	-	1
Music	-	1	-	1
Architecture	1	-	-	1
Engineering - aeronautical	1	-	-	1

Associates

Associate membership by age

Member numbers at the end of December

Age	2014	2015	2016
21-25	1	-	2
26-30	20	21	17
31-35	44	39	43
36-40	61	77	71
41-45	51	54	61
46-50	35	40	50
51-55	16	15	17
56-60	15	13	10
61-65	74	64	50
66-70	31	33	41
71-75	33	32	29
76-80	9	8	12
81-85	11	14	10
86-90	6	3	8
91-95	2	4	3
96-100	1	2	2
>100	1	1	1
TOTALS	411	420	427

Associate membership by industry sector

Member numbers at the end of December

Industry Sector	2014	2015	2016
Pensions and employee benefits	87	89	81
Life insurance	69	73	78
Health and care	-	-	5
Health and care insurance or advice	7	6	-
General insurance	38	40	48
Investment management	24	26	26
Investment banking (advisory, finance)	10	9	12
Education	7	5	6
Information technology	9	9	11
Enterprise Risk Management	4	5	10
Other actuarial	12	10	11
Other non-actuarial	16	22	17
Unknown	49	49	47
Retired	79	77	75
TOTALS	411	420	427

Associate membership by gender

Member numbers at the end of December 2016

76%

● Male



24%

● Female

Associate membership by location

Member numbers at the end of December 2016

52%

● UK (inc Northern Ireland)



38%

● Rest of World

10%
● Rest of Europe (inc Republic of Ireland)

Associate membership by Regulatory Status

Member numbers at the end of December 2016

86%

● Fully Regulated



14%

● Partially Regulated

Associate membership by employer type Member numbers at the end of December

Employer	2014	2015	2016
Insurance or re-insurance company	89	93	104
Consulting firm/business advisory firm	115	114	104
Investment management firm	-	-	14
Investment Manager	17	17	-
Investment bank	7	6	7
Retail bank or building society	3	5	5
Public service	8	9	11
Education provider	-	-	7
Education	7	6	-
Other financial company	13	17	20
Other company (non-financial)	12	14	15
Retired	73	67	62
Temporarily out of paid workforce	11	11	11
No Information Provided	47	46	43
Risk Management	2	3	4
Fully retired	7	12	15
Regulator	-	-	1
Self employed/Sole trader	-	-	4
TOTALS	411	420	427

Fellows

Fellow membership by age

Member numbers at the end of December

Age	2014	2015	2016
21-25	27	35	28
26-30	1,258	1,328	1,339
31-35	2,429	2,424	2,497
36-40	2,221	2,419	2,595
41-45	1,578	1,603	1,661
46-50	1,397	1,495	1,559
51-55	842	906	1,005
56-60	494	521	590
61-65	524	496	448
66-70	352	359	380
71-75	227	246	251
76-80	142	153	156
81-85	127	131	136
86-90	56	56	61
91-95	29	29	36
96-100	13	14	12
>100	1	2	6
TOTALS	11,717	12,217	12,760

Fellow membership by industry sector

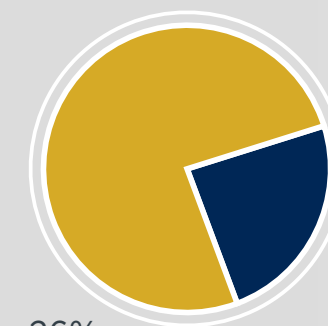
Member numbers at the end of December

Industry Sector	2014	2015	2016
Pensions and employee benefits	2,886	2,871	2,996
Life insurance	3,381	3,448	3,660
Health and care	-	-	183
Health and care insurance or advice	171	173	-
General insurance	1,435	1,555	1,721
Investment management	584	588	614
Investment banking (advisory, finance)	125	111	104
Education	107	110	111
Information technology	45	49	49
Enterprise Risk Management	141	153	175
Other actuarial	169	174	187
Other non-actuarial	232	222	222
Resource and Environment	-	-	3
Unknown	1,436	1,782	1,749
Retired	1,005	981	986
TOTALS	11,717	12,217	12,760



Fellow membership by gender Member numbers at the end of December 2016

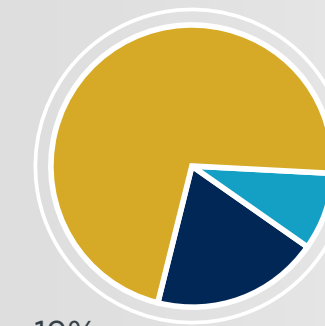
74% Male



26% Female

Fellow membership by location Member numbers at the end of December 2016

73% UK (inc Northern Ireland)



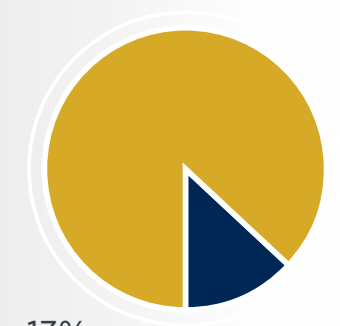
19% Rest of World

9% Rest of Europe (inc Republic of Ireland)

Fellow membership by regulatory status Member numbers at the end of December 2016

Member numbers at the end of December 2016

87% Fully regulated



13% Partially regulated

Fellow membership by employer type Member numbers at the end of December

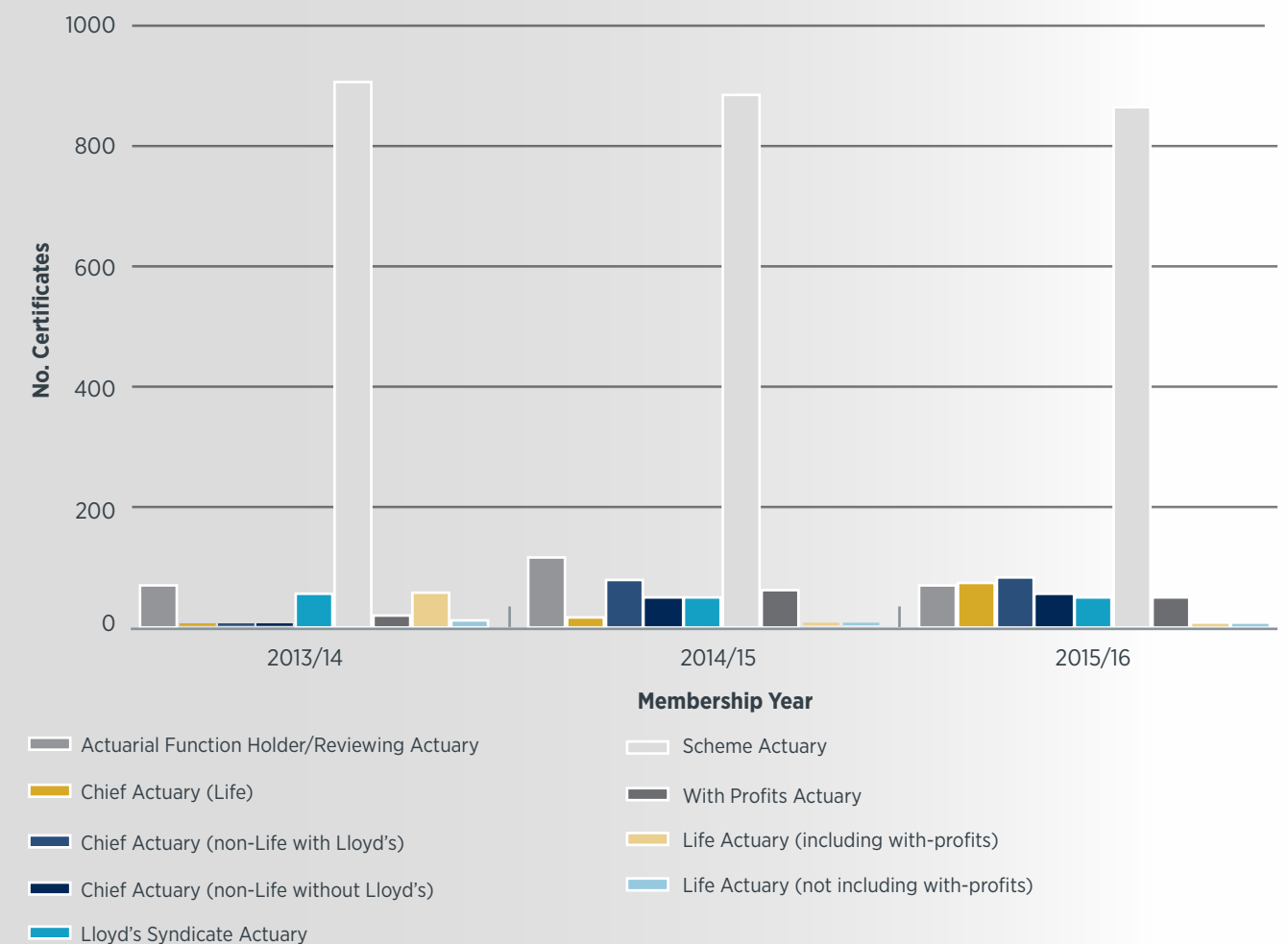
Employer	2014	2015	2016
Insurance or re-insurance company	4,144	4,429	4,742
Consulting firm/business advisory firm	3,960	4,077	4,234
Investment management firm	-	-	383
Investment Manager	335	347	-
Investment bank	126	124	113
Retail bank or building society	126	134	133
Public service	231	238	238
Education provider	-	-	137
Education	135	138	-
Other financial company	139	174	191
Other company (non-financial)	172	179	202
Retired	932	875	844
Temporarily out of paid workforce	179	164	216
No Information Provided	1,074	1,107	1,010
Risk Management	53	71	67
Fully retired	111	160	212
Regulator	-	-	16
Self employed/Sole trader	-	-	22
TOTALS	11,717	12,217	12,760

Practising Certificates

Practising Certificates

Certificate Type	2013/14	2014/15	2015/16
Actuarial Function Holder/Reviewing Actuary	70	122	73
Chief Actuary (Life)	-	24	80
Chief Actuary (non-Life with Lloyd's)	-	84	90
Chief Actuary (non-Life without Lloyd's)	-	52	58
Lloyd's Syndicate Actuary	56	52	54
Scheme Actuary	905	875	844
With Profits Actuary	28	62	54
Life Actuary (including with-profits)	59	-	-
Life Actuary (not including with-profits)	18	-	-
TOTALS	1,136	1,271	1,253

Practising Certificates



Qualifiers

Qualifiers by gender

Gender	2014			2015			2016		
	Apr	Sep	Total	Apr	Sep	Total	Apr	Sep	Total
Female	160	30	190	181	47	228	245	58	303
Male	280	70	350	323	86	409	390	98	488
TOTALS	440	100	540	504	133	637	635	156	791

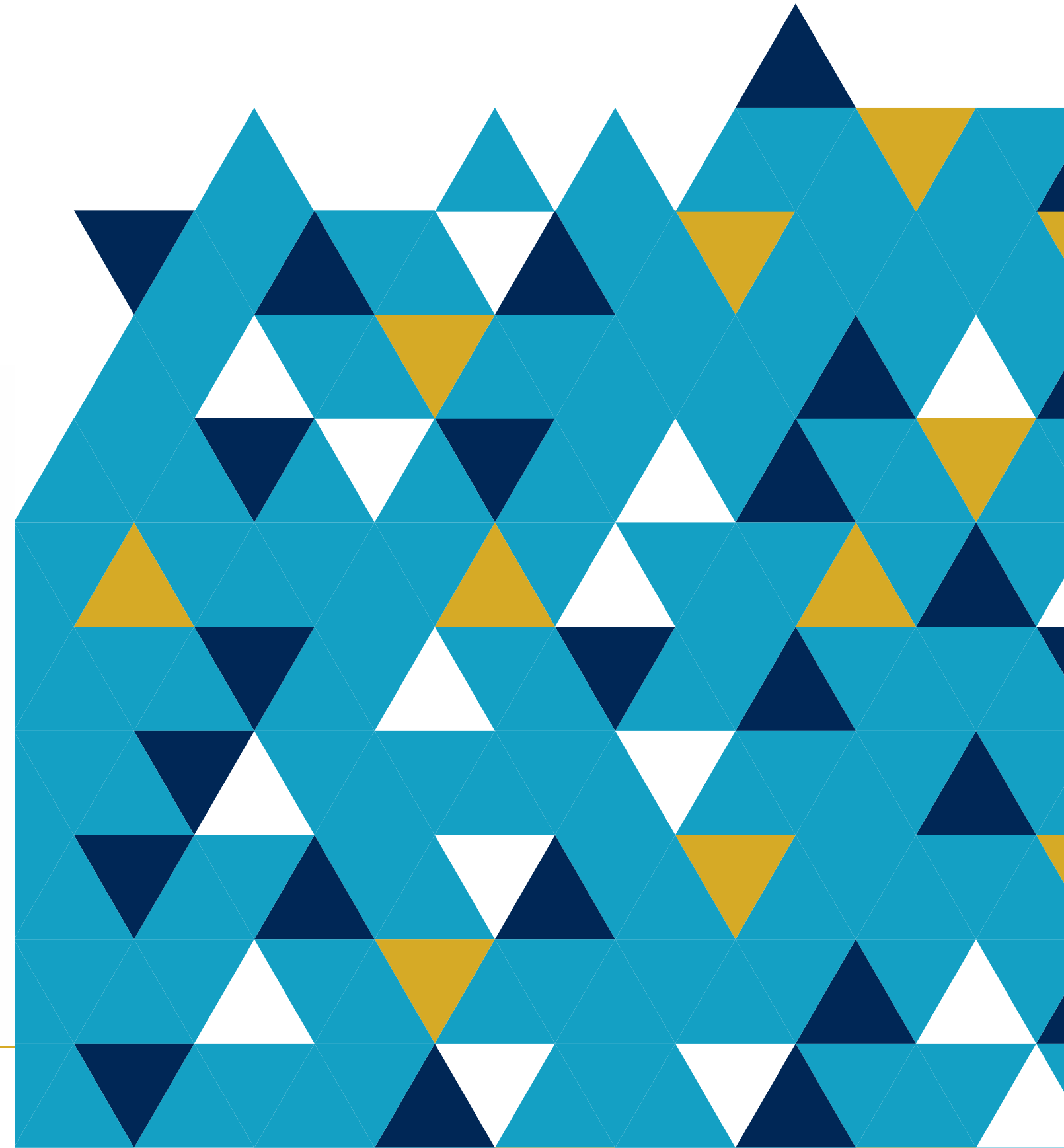
Qualifiers by location

Location	2014			2015			2016		
	Apr	Sep	Total	Apr	Sep	Total	Apr	Sep	Total
UK (inc Northern Ireland)	479	47	526	51	437	488	337	340	677
Overseas	103	14	117	11	80	91	76	79	155
Europe (inc Republic of Ireland)	57	4	61	4	69	73	48	45	93
TOTALS	639	65	704	66	586	652	461	464	925

*(inc Northern Ireland) ** (inc Republic of Ireland)

Qualifiers by industry sector

Industry Sector	2014			2015			2016		
	Apr	Sept	Total	Apr	Sept	Total	Apr	Sept	Total
Enterprise Risk Management	10	-	10	1	1	2	7	6	13
General insurance	123	108	231	115	123	238	103	103	206
Health and care	-	-	-	-	-	-	7	7	14
Information technology	3	-	3	-	2	2	-	1	1
Investment banking (advisory, finance)	4	3	7	4	2	6	3	2	5
Investment management	28	16	44	19	16	35	20	20	40
Life insurance	216	131	347	124	173	297	118	130	248
Other actuarial	8	9	17	8	13	21	10	9	19
Other non-actuarial	5	2	7	3	4	7	1	1	2
Pensions and employee benefits	117	101	218	102	108	210	113	116	229
Unknown	112	89	201	85	138	223	79	69	148
Health and care insurance or advice	11	5	16	3	6	9	-	-	-
Education	2	2	4	3	-	3	-	-	-
TOTALS	639	466	1,105	467	586	1,053	461	464	925





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