

# An ASME Membership Profile on Diversity

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# Committee on Diversity Metrics

## Goals

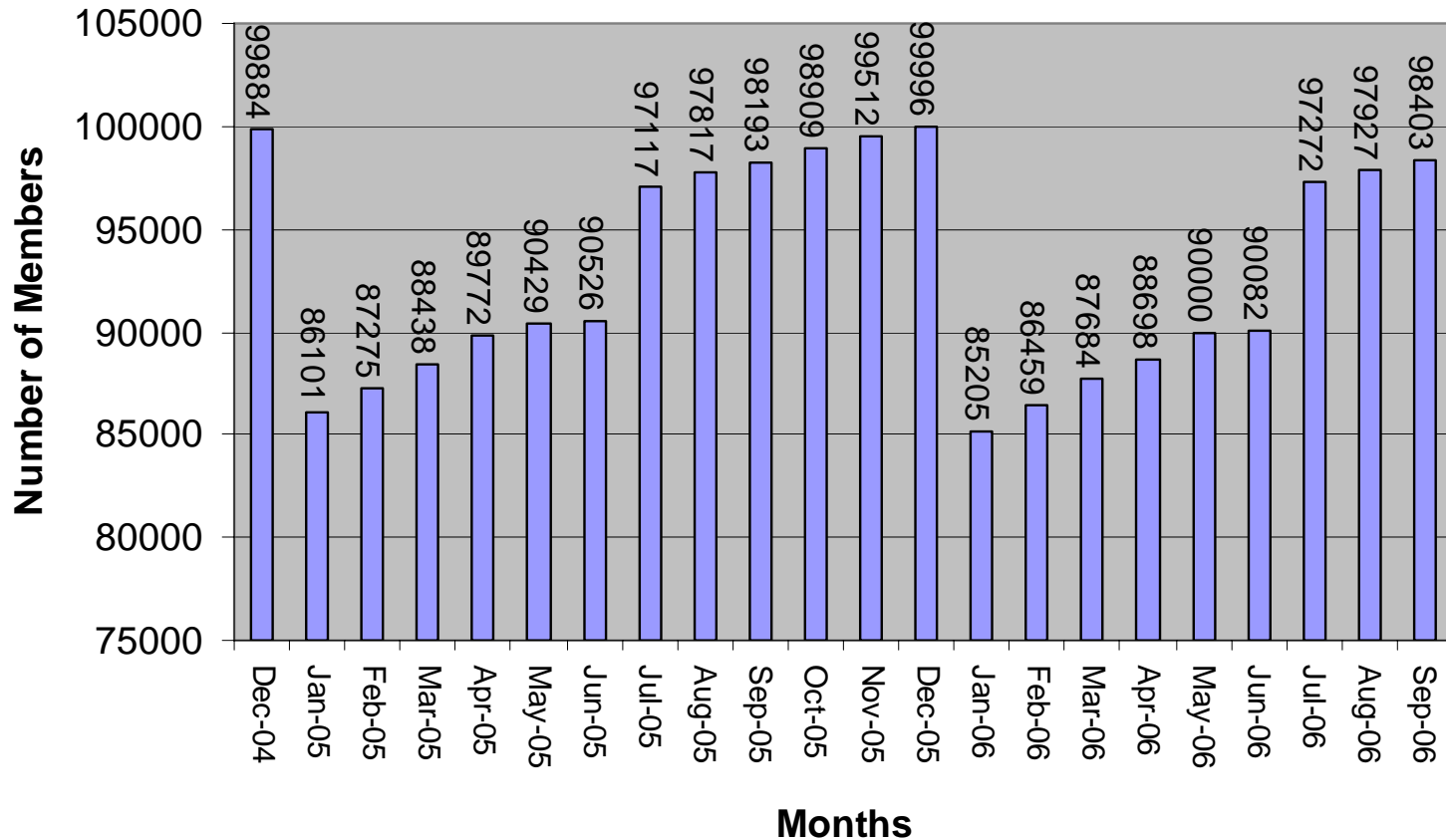
- Assess and analyze current state of ASME membership diversity metrics by creating a longitudinal database of membership statistics.
- Serve as a resource unit for ASME leadership with respect to information on diversity in ASME's membership and engineering.
- Submit an annual report that highlights diversity conditions in ASME and within the larger national and international engineering communities.

# Explanation and Limitations of Data

- Source of Data: ASME's monthly demographic membership profiles
  - Ethnicity is optional
  - Gender, age, country, dues payment are available
- Three time points:  
Sept 2005, April 2006, Sept 2006

# ASME Monthly Membership Statistics

Graph 1: ASME Membership Trends



ASME membership decreased from Sept 2005 to April 2006 by 9.7% and increased by Sept 2006, but only in select demographic categories.

# Age distribution of ASME members in Sept 2005, April 2006 and Sept 2006

Table 1

Age	September 2005	April 2006	Number Increase/Decrease 9/05-4/06	September 2006	Number Increase/Decrease 9/05-9/06
19 & Under	42	6	-36	51	9
20 - 24	4,544	1,143	-3,401	4,772	228
25 - 29	6,632	4,607	-2,025	6,605	-27
30 - 34	6,606	5,105	-1,501	6,151	-455
35 - 39	7,931	6,915	-1,016	7,620	-311
40 - 44	10,388	9,032	-1,356	9,543	-845
45 - 49	12,443	11,886	-557	12,383	-60
50 - 54	10,144	10,107	-37	10,459	315
55 - 59	9,611	9,468	-143	9,668	57
60 - 64	7,080	7,365	285	7,441	361
65 - 69	5,178	5,210	32	5,248	70
70 & Over	13,647	14,288	641	14,127	480
No age given	3,947	3,566	-381	4,335	388
<b>Total</b>	<b>98,193</b>	<b>88,698</b>	<b>-9,495</b>	<b>98,403</b>	<b>210</b>

100% of all lost members from Sept 2005 to April 2006 were in categories under the age of 49.

# Change in ASME Membership by Gender and Age Sept 2005-2006 (Male)

Table 2

Age	Male Members - Sept 2005	Male Members - Sept 2006	Increase/Decrease
19 & Under	39	44	5
20 - 24	3,796	4,080	284
25 - 29	5,867	5,829	-38
30 - 34	6,035	5,613	-422
35 - 39	7,384	7,067	-317
40 - 44	9,767	8,963	-804
45 - 49	11,814	11,736	-78
50 - 54	9,879	10,119	240
55 - 59	9,470	9,514	44
60 - 64	7,024	7,376	352
65 - 69	5,151	5,217	66
70 & Over	13,596	14,077	481
No age given	3,649	3,938	289
<b>Total</b>	<b>93,471</b>	<b>93,573</b>	102

Average age male: 51  
Average years of membership: 20

# Change in ASME Membership by Gender and Age Sept 2005-2006 (Female)

Table 2a

Age	Female Members - Sept 2005	Female Members - Sept 2006	Increase/Decrease
19 & Under	3	7	4
20 - 24	748	692	-56
25 - 29	765	776	11
30 - 34	571	538	-33
35 - 39	547	553	6
40 - 44	621	580	-41
45 - 49	629	647	18
50 - 54	265	340	75
55 - 59	141	154	13
60 - 64	56	65	9
65 - 69	27	31	4
70 & Over	51	50	-1
No age given	298	397	99
<b>Total</b>	<b>4,722</b>	<b>4,830</b>	<b>108</b>

Average age female: 37  
Average years of membership: 9.2

# Gains and Losses in ASME Membership from Sept 2005 to Sept 2006

Table 3

<b>ASME Membership Age Demographics</b>	<b>Gain or Loss of Membership from September 2005 – September 2006</b>
Under 50 age group (Male and Female)	-1,461 members
50 and over age group (Male and Female)	+1,283 members
Members not reporting age (Male and Female)	+388 members
Net Gain in ASME Membership	210 members

The 70 and older segment grew from 13.9% to 14.4% of total ASME membership.

The under 44 age segment decreased from 36.8% to 35.3%.

# ASME Membership Attrition in the First Ten Years of Membership

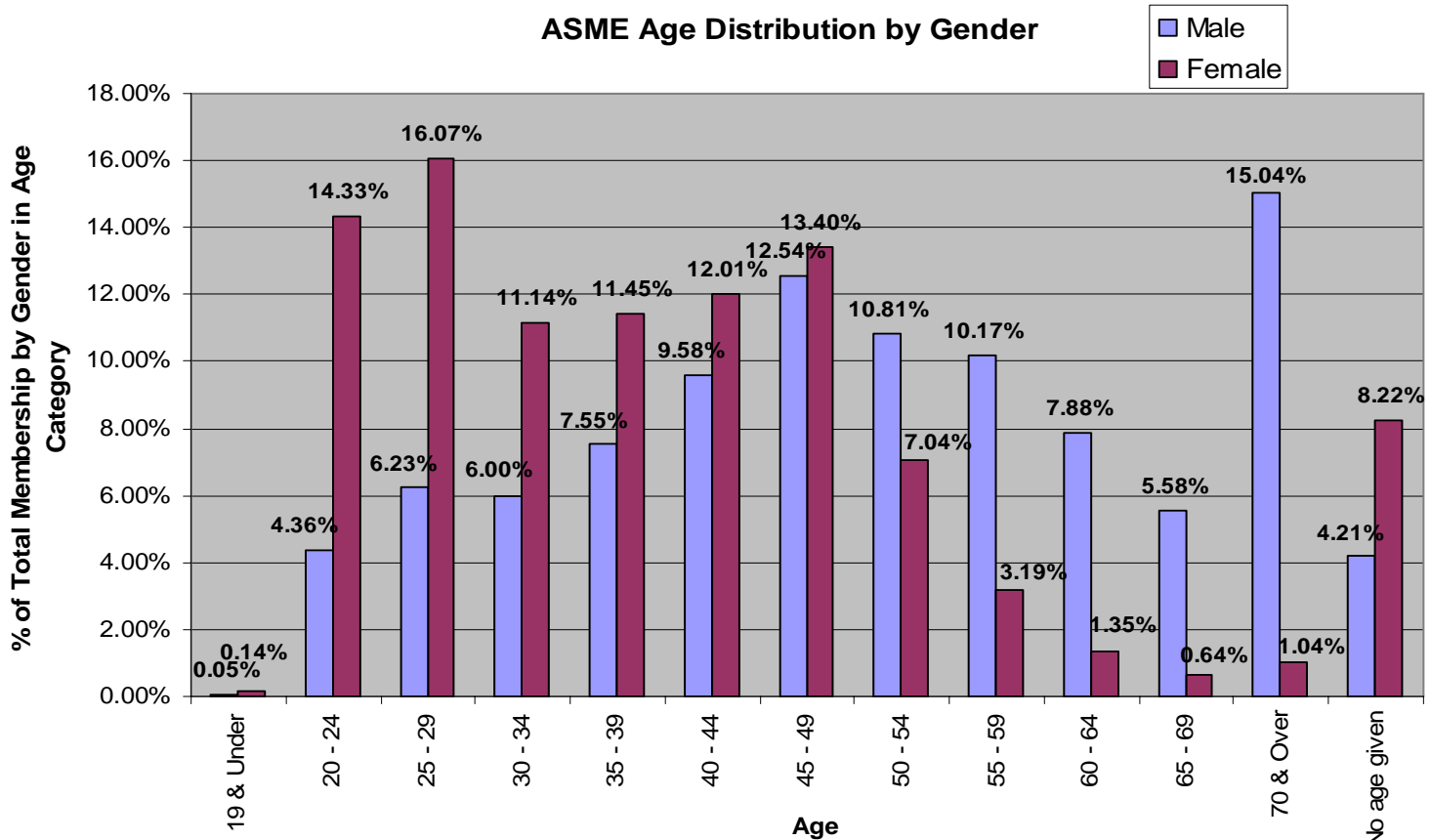
## Sept 2006 Figures

Table 4

Years of Membership	ASME Female Members	% of Female Members	ASME Male Members	% of Male Members
1	899	18.52%	9,452	10.10%
2	456	9.39%	4,962	5.30%
3	383	7.89%	3,698	3.95%
4	311	6.41%	3,137	3.35%
5	291	6.00%	2,743	2.93%
6	217	4.47%	2,425	2.59%
7	218	4.49%	2,692	2.88%
8	180	3.71%	2,604	2.78%
9	146	3.01%	2,375	2.54%
10	134	2.76%	2,320	2.48%
Total	3235	66.65%	36,408	38.92%

# ASME Male and Female Members by Age Categories

Sept 2006



42% of female members are under age 35  
 17% of male members are under age 35

# Foreign ASME Membership

Foreign markets are an integral source of membership for ASME and constitute an important diversity component for the organization.

- In Sept 2005, foreign members represented 11.9% (11,692 of 98,193) of total ASME members
- In Sept 2006, foreign members represented 12.8% (12,622 of 98,403) of total ASME members

Foreign membership compensated for the lost U.S. ASME members.

# Foreign ASME Membership for the Top 20 Member Markets Outside the U.S. Ranked by September 2005 Figures

Table 6

Rank	Country	Sep-05 Members	Sep-06 Members	Increase/ Decrease	% Increase/Decrease
1	Canada	2,705	2,575	-130	-4.81%
2	Japan	698	672	-26	-3.72%
3	England	497	494	-3	-0.60%
4	Mexico	494	465	-29	-5.87%
5	India	475	837	362	76.21%
6	Peru	429	631	202	47.09%
7	Venezuela	299	307	8	2.68%
8	South Korea	294	288	-6	-2.04%
9	Saudi Arabia	274	276	2	0.73%
10	Singapore	256	233	-23	-8.98%
11	Germany	253	247	-6	-2.37%
12	Italy	244	258	14	5.74%
13	Hong Kong	240	242	2	0.83%
14	Australia	217	247	30	13.82%
15	Nigeria (Africa)	195	203	8	4.10%
16	France	183	180	-3	-1.64%
17	Taiwan/Republic of China	181	182	1	.55%
18	Trinidad and Tobago	181	186	5	2.76%
19	Colombia	167	216	49	29.34%
20	Switzerland	159	165	6	3.77%
	Total	8,441	8,904	463	

# Conclusion

There are significant differences in the demographic profiles and membership patterns among ASME members by age, sex and country affiliation.

These differences present both opportunities and challenges for ASME with respect to “diversity as a strategy,” and the programmatic and financial objectives of the organization.