

# **2002 - 2003 SURVEY SUMMARY**

**ASSOCIATION FOR MEDICAL SCHOOL PHARMACOLOGY**

**DATA SUMMARIZED FROM:**

**84 U.S. MEDICAL SCHOOLS**

**7 CANADIAN SCHOOLS**

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# AMSP ANNUAL SURVEY SUMMARY 2002 - 2003

## CHAIRPERSON SALARIES

CATEGORY	TYPE OF INSTITUTION		
	ALL	PUBLIC	PRIVATE
<b>Percentile Rank</b>			
20th	151,176	151,176	150,000
50th	180,342	170,000	196,000
80th	233,398	224,000	256,614
<b>Averages</b>			
Mean	193,599	186,761	205,845
SD	± 56,229	± 52,582	± 59,461
Low	95,491	102,800	95,491
High	425,000	425,000	384,825
Number	82	50	32
<b>Age of Chairpersons</b>			
Mean	56.6	57.4	55.4
SD	6.5	5.9	7.2
Number	78	48	30

## MEAN CHAIRPERSON SALARIES BY AGE GROUP ALL SCHOOLS

AGE GROUP	MEAN SALARY	NUMBER
< 46	166,325	1
46 - 55	188,866	35
> 55	299,678	42

## PROFESSOR SALARIES

CATEGORY	TYPE OF INSTITUTION		
	ALL	PUBLIC	PRIVATE
<b>Percentile Rank</b>			
20th	97,559	98,900	93,602
50th	116,207	112,112	120,000
80th	150,000	145,000	153,777
<b>Averages</b>			
Mean	125,679	124,147	128,350
SD	± 36,594	± 33,686	± 41,041
Low	36,050	70,000	36,050
High	300,000	300,000	286,989
Number	472	300	172
<b>Age of Professors</b>			
Mean	56.1	55.7	56.7
SD	± 7.3	± 7.2	± 7.4
Number	431	273	158

## PROFESSOR SALARIES BY REGION ALL SCHOOLS

CATEGORY	REGION			
	NORTHEAST	SOUTH	MIDWEST	WEST
<b>Percentile Rank</b>				
20th	107,877	94,348	93,761	101,056
50th	125,882	110,000	108,590	130,416
80th	153,831	142,400	140,080	172,729
<b>Averages</b>				
Mean	134,357	120,234	117,551	140,896
SD	± 38,628	± 34,523	± 29,056	± 43,933
Low	36,050	40,000	66,493	82,975
High	286,989	250,000	213,151	300,000
Number	128	167	124	53
<b>Age of Professors</b>				
Mean	56.2	55.5	57.5	54.2
SD	± 8.1	± 6.4	± 7.9	± 5.7
Number	106	153	119	53

## PROFESSOR SALARIES BY AGE GROUP ALL SCHOOLS

AGE GROUP	MEAN SALARY	NUMBER
< 46	117,195	20
46 - 55	126,077	206
> 55	126,716	205

## ASSOCIATE PROFESSOR SALARIES

CATEGORY	TYPE OF INSTITUTION		
	ALL	PUBLIC	PRIVATE
<b>Percentile Rank</b>			
20th	72,038	71,105	72,247
50th	83,392	81,029	86,198
80th	97,008	95,988	100,311
<b>Averages</b>			
Mean	85,115	84,062	86,971
SD	± 17,311	± 15,737	± 20,147
Low	33,986	48,057	33,986
High	162,750	135,000	162,750
Number	326	208	118
<b>Age of Associate Professors</b>			
Mean	48.5	49.0	47.5
SD	± 6.6	± 6.9	± 6.0
Number	282	175	107

## ASSOCIATE PROFESSOR SALARIES BY REGION ALL SCHOOLS

CATEGORY	REGION			
	NORTHEAST	SOUTH	MIDWEST	WEST
<b>Percentile Rank</b>				
20th	77,000	70,592	70,467	64,167
50th	90,000	80,148	80,000	80,000
80th	100,786	97,008	91,000	91,711
<b>Averages</b>				
Mean	90,491	84,387	81,076	82,744
SD	± 15,549	± 18,814	± 14,137	± 20,255
Low	50,000	35,000	33,986	48,057
High	153,088	162,750	128,333	132,244
Number	92	123	85	26
<b>Age of Associate Professors</b>				
Mean	48.4	48.2	49.2	47.5
SD	± 5.9	± 6.3	± 7.3	± 7.1
Number	70	106	80	26

## ASSOCIATE PROFESSOR SALARIES BY AGE GROUP ALL SCHOOLS

AGE GROUP	MEAN SALARY	NUMBER
< 46	89,743	100
46 - 55	83,701	141
> 55	80,640	41

## ASSISTANT PROFESSOR SALARIES

CATEGORY	TYPE OF INSTITUTION		
	ALL	PUBLIC	PRIVATE
<b>Percentile Rank</b>			
20th	55,070	54,060	56,300
50th	68,265	67,217	70,728
80th	78,000	74,807	81,410
<b>Averages</b>			
Mean	67,701	66,013	70,883
SD	± 13,323	± 11,675	± 15,481
Low	30,016	35,589	30,016
High	123,600	102,200	123,600
Number	303	198	105
<b>Age of Assistant Professors</b>			
Mean	41.2	40.9	41.6
SD	± 6.1	± 6.2	± 5.9
Number	255	166	89

## ASSISTANT PROFESSOR SALARIES BY REGION ALL SCHOOLS

CATEGORY	REGION			
	NORTHEAST	SOUTH	MIDWEST	WEST
<b>Percentile Rank</b>				
20th	56,300	53,714	60,935	62,000
50th	70,058	65,000	68,265	74,970
80th	80,000	72,300	76,833	82,008
<b>Averages</b>				
Mean	69,828	63,640	68,423	73,430
SD	± 14,975	± 11,563	± 11,653	± 14,086
Low	35,589	30,016	36,706	45,760
High	123,600	88,329	101,792	102,200
Number	110	99	74	20
<b>Age of Assistant Professors</b>				
Mean	42.2	41.3	41.3	37.5
SD	± 5.9	± 6.7	± 5.7	± 3.8
Number	82	83	71	19

## ASSISTANT PROFESSOR SALARIES BY AGE GROUP ALL SCHOOLS

AGE GROUP	MEAN SALARY	NUMBER
< 46	68,212	200
46 - 55	63,562	50
> 55	60,127	5

## INSTRUCTORS SALARY (All U.S. Medical Schools)

CATEGORY	ALL U.S. INSTITUTIONS
Percentile Rank	
20th	39,000
50th	44,520
80th	55,800
Averages	
Mean	47,527
SD	± 10,322
Low	27,000
High	83,640
Number	64

## FACULTY DATA

CATEGORY	U.S. MEDICAL SCHOOLS		
	ALL	PUBLIC	PRIVATE
Number of Faculty			
Total Faculty	1,349.9	869.4	480.5
Tenured Faculty	875.8	596.3	279.5
Non-Tenured Faculty	479.9	278.9	201
Vacant Positions	127	90	37
Average Positions/Department			
Source of Faculty Support (Percent of Total)			
Institution:	65.6 ± 25.3	71.4 ± 23.8	56.7 ± 25.4
Grants:	31.7 ± 23.5	26.2 ± 22.6.6	40.2 ± 22.6
Other:	2.6 ± 6.7	2.4 ± 5.9	3.1 ± 7.9
Number:	84	51	33

## TEACHING DATA (All Medical Schools)

(N = 91)

Basic Pharmacology Hours:	101 ± 37 (18 - 202)
PBL and Applied Hours:	11 ± 31 ( 0 - 218)
Total Hours:	111 ± 43 (36 - 288)

## FACILITIES (All Medical Schools)

(N = 89)

Average Space per Department (N = 91):	
Research:	15,887 ± 9,051 sq. ft. ( 0 - 43,863)
Administration:	4,829 ± 3,199 sq. ft. (730 - 21,700)

**STUDENT DEMOGRAPHICS**  
(U.S. Medical Schools)

CATEGORY	TOTAL	SEX			RACE				COUNTRY		
		MALE	FEMALE	UNK	BLACK	HIS	OTHER	UNK	U.S.	OTHER	UNK
Number of Ph.D.'s Awarded	256	149 58%	107 42%	0 0%	6 2%	14 6%	205 80%	31 13%	189 74%	63 25%	4 2%
Post-Doctoral Fellows	1,200	695 58%	492 41%	13 1%	20 2%	27 2%	982 82%	171 14%	423 35%	730 61%	47 4%
Graduate Students <sup>▲</sup>	1,551	688 44%	771 50%	92 6%	72 4%	88 6%	1,361 88%	30 2%	1,016 65%	431 28%	104 7%

<sup>▲</sup> 55 Institutions report Department based programs. The 20 Interdisciplinary or Interdepartmental programs contain 387 graduate students. These programs awarded 63 degrees during the survey year.

**FACULTY DEMOGRAPHICS**  
(U.S. Medical Schools)

RANK	TOTAL	MALE	FEMALE	UNKNOWN
Chairpersons	84	78 93%	6 7%	0
Professors	472	392 83%	76 16%	4 < 1%
Associate Professors	326	253 78%	68 21%	5 1%
Assistant Professors	303	205 68%	86 28%	12 4%
Instructors	64	36 56%	27 42%	1 2%
TOTAL FACULTY	1,249	962 77%	263 22%	22 2%

**U.S. MEDICAL SCHOOL DEPARTMENTAL SUPPORT  
(THOUSANDS)**

CATEGORY	TYPE OF INSTITUTION		
	ALL (N = 82)	PUBLIC (N = 50)	PRIVATE (N = 32)
<b>Institutional Support</b>			
20th percentile	879	974	573
50th percentile	1,252	1,404	1,107
80th percentile	1,983	1,982	1,983
Mean	1,438	1,491	1,355
SD	± 719	± 673	± 778
Low	126	126	255
High	3,490	3,490	3,177
<b>Extramural Research Support</b>			
20th percentile	822	986	190
50th percentile	2,697	2,604	2,697
80th percentile	4,966	5,300	4,335
Mean	3,894	4,160	3,470
SD	± 3,689	± 3,964	± 3,153
Low	107	429	107
High	20,427	20,427	15,803
<b>Total Support (Includes Institutional, Extramural, Training and Other)</b>			
20th percentile	1,931	1,986	807
50th percentile	4,160	3,799	4,254
80th percentile	7,840	7,840	7,527
Mean	5,717	5,995	5,285
SD	± 4,456	± 4,669	± 4,067
Low	249	249	520
High	23,165	23,165	19,645
<b>Extramural Support Per FTE</b>			
20th percentile	78.6	88.8	21.2
50th percentile	166.5	192.6	120.6
80th percentile	323.4	328.3	270.3
Mean	271.8	272.8	228.0
SD	± 237.2	± 237.2	± 169.2
Low	17.8	26.8	17.8
High	1,400.0	1,400.0	687.1

## DATA FOR U.S. MEDICAL SCHOOL TRAINEES

### GRADUATES (2001 - 2002)

Number of Ph.D's Awarded:	256	Range: 0 - 17
Average:	3.1	

### GRADUATE STUDENTS

Number:	1,551	Source of Support:	Training Grants:	18.8%
(1 - 129)			Research grants:	50.2%
Average:	20.7		Industry / Foundations:	3.8%
			Other:	23.3%
			No Support:	0.9%
			Unknown:	2.9%

### GRADUATE STUDENT SUPPORT (Not Including Tuition and Fees)

First Year:	\$18,857	(\$12,000 - \$25,500)
Fourth Year:	\$19,381	(\$14,378 - \$25,500)

### POST-DOCTORAL FELLOWS

Number of Post-Docs:	1,200	Range: 0 - 83
Average:	16.2	

**CANADIAN MEDICAL SCHOOL DATA**  
(Canadian Dollars)

**SALARY SUPPORT**

ITEM	CHAIRPERSON (N = 6)	PROFESSOR (N = 50)	ASSOCIATE PROFESSOR (N = 23)	ASSISTANT PROFESSOR (N = 13)
MEAN	120,004	104,209	83,356	62,646
SD	± 10,417	± 17,564	± 10,587	± 10,495
LOW	110,000	75,165	64,942	34,680
HIGH	135,554	173,494	103,711	78,943
AGE	56.8	54.3	50.1	38.3
SD	± 3.3	± 7.1	± 7.5	± 2.7

**DEPARTMENTAL SUPPORT**  
(THOUSANDS)  
(6 Medical Schools)

ITEM	INSTITUTIONAL	RESEARCH	TOTAL	RESEARCH PER FTE
MEAN	1,253	2,128	3,863	194.6
SD	± 231	± 905	± 1,421	± 43.5
LOW	1,010	1,302	2,571	146.1
HIGH	1,328	3,817	6,054	272.6.5