

# ACDP 1998 Survey Results

## Association of Chairs of Departments of Physiology 1998 Survey Results

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The Association of Chairs of Departments of Physiology annual survey was mailed to 158 physiology departments throughout the US, Canada, and Puerto Rico. A total of 96 surveys were returned, for a response rate of 60%. This rate is lower than the 1997 survey (67%). The data provide the reader with general trends of faculty, salary, overall departmental budgets, and space available for research. Faculty salary information (Tables 1-3) is derived from the total compensation column, which includes any supplementary income but not fringe benefits. In addition to salary information, further data are provided on tenure, gender, ethnicity, and salary by number of

**Table 1. Faculty Salaries for Fiscal Year 1998**

	Mean	% Change From Previous Survey	Minimum	Maximum	No. of Faculty
<b>Chairmen</b>					
All schools	\$148,802	5.2	\$72,879	\$233,000	93
Medical public	147,009	6.3	76,185	233,000	57
Medical private	160,232	3.9	83,000	226,256	30
Nonmedical	134,647	14.7	104,315	148,762	7
Female	119,960	37.2	83,000	156,350	3
<b>Professors</b>					
All schools	99,754	5.4	34,436	226,000	654
Medical public	97,786	6.6	34,436	192,324	415
Medical private	109,688	4.3	38,000	226,000	183
Nonmedical	87,346	-4.4	40,559	161,564	56
Female	98,415	6.9	40,559	174,645	82
<b>Associate Professors</b>					
All schools	72,259	6.4	27,965	120,000	404
Medical public	71,991	6.8	27,965	115,875	236
Medical private	73,550	4.9	41,500	120,000	138
Nonmedical	71,074	14.1	46,242	86,987	30
Female	72,641	8.2	42,745	105,000	71
<b>Assistant Professors</b>					
All schools	57,511	0.0	21,200	100,786	321
Medical public	56,944	3.3	21,200	85,515	165
Medical private	58,723	7.6	31,000	100,786	134
Nonmedical	57,365	-1.1	24,870	76,328	22
Female	54,679	1.7	21,200	74,527	100
<b>Instructors</b>					
All schools	39,134	0.4	18,203	77,216	47
Medical public	31,550	-1.6	18,203	77,216	36
Medical private	38,465	-5.0	30,385	45,617	9
Nonmedical	28,025	-56.8	25,000	30,449	2
Female	41,070	13.2	18,203	77,216	19

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years in rank.

The statistics are based on 96 responses (4 from Canada) but salary, tenure, gender, ethnicity, and number of years in rank results are calculated on the number of respondents providing this information. From the return surveys, there was one institution that did not provide any faculty information. The salaries of only 4 faculty members

were not reported among all institutions. Also missing for some faculty were years in rank (51), and ethnicity (36).

Student/trainee information is provided by ethnicity for predoctoral and postdoctoral categories, as well as predoctoral trainee completions, stipends provided, and type of support.

Departmental budget information (Table 4) shows type of support, faculty salaries derived from grants, negotiated indirect costs to the departments. Table 5 ranks responding institutions according to their total dollars, research grant dollars, and departmental space. Space averages are presented as research, administration, teaching, and other. ❖

**Table 2. Average Salary by Number of Years in Rank**

Chairpersons			Professors			Associate Professors			Assistant Professors			Instructors		
Years	Salary	No. of faculty	Years	Salary	No. of faculty	Years	Salary	No. of faculty	Years	Salary	No. of faculty	Years	Salary	No. of faculty
0-5	\$134,588	28	0-5	\$94,965	185	0-5	\$71,086	223	0-5	\$56,849	262	0-5	38,924	35
6-10	149,585	29	6-10	98,816	166	6-10	72,426	93	6-10	60,635	53	6-10	43,845	7
11-15	159,011	15	11-15	103,381	130	11-15	72,977	33	11-15	49,116	2	11-15	40,331	1
16-20	170,836	12	16-20	104,308	85	16-20	78,703	23	16-20	69,858	2	16-20	0	0
21-25	138,072	9	21-25	105,680	62	21-25	73,318	20	21-25	0	0	21-25	0	0
26+	175,936	2	26+	108,243	30	26+	69,398	14	26+	0	0	26+	30,193	3

**Type of Institution (n = 96)**

Support	Teaching Interactions
Public	64 MD/DO
Private	32 DDS
	7 DVM
	48 Allied health

**Student/Trainee Summary**

Total number of pre- and postdoctoral students/trainees			
Predoctoral male	953	Postdoctoral male	661
Predoctoral female	618	Postdoctoral female	342
Total number of foreign pre- and postdoctoral students/trainees			
Predoctoral male	294	Postdoctoral male	405
Predoctoral female	208	Postdoctoral female	170

**Faculty Summary (n = 1,490)**

	Male	Female
American Indian/Alaskan Native	0	0
Asian/Pacific Islander	100	27
Black, not Hispanic origin	21	9
Hispanic	68	17
White, not of Hispanic origin	989	209
Foreign national	39	11

**Ethnicity of each pre- and postdoctoral student/trainee**

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
American Indian/Alaskan Native	1	1	1	1
Asian/Pacific Islander	73	35	48	37
Black, not Hispanic origin	30	43	8	10
Hispanic	27	19	14	6
White, not of Hispanic origin	528	312	185	118

**Tenure status in each department by degree (n = 1,462)**

	Tenured	Not Tenured	Not Eligible	Total
MD	47	13	5	65
PhD	920	285	99	1304
Both	47	19	6	72
Other	11	5	5	21

**Number of foreign pre- and postdoctoral students/trainees**

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
African	9	4	7	4
Asian/Pacific Islander	133	92	236	65
Central and South American	14	7	22	6
European, Canadian, Australian	107	87	112	75
Middle Eastern	21	10	20	10
Other	10	8	8	10

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## Number of foreign pre- or postdoctoral trainees whose primary source of support is:

	<i>Predoctoral</i>	<i>Postdoctoral</i>
Institutional	130	84
Research grants	423	231
Private foundations	58	35
Home (foreign) governments	38	10
Other	38	12

## Foreign National predoctoral trainee completions:

	<i>Male</i>	<i>Female</i>
African	1	0
Asian or Pacific Islander	22	16
Central or South American	2	1
European, Canadian, Australian	6	10
Middle Eastern	6	2
Other	2	0

## Predocctoral Trainee Completions

Number of trainees who have completed doctoral work during the year ended June 30, 1998 (*n* = 65)

<i>Predocctoral male</i>	142	<i>Predocctoral female</i>	110
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## Average annual starting stipend (in US dollars) for trainees:

<i>Predocctoral (n = 87)</i>	<i>Postdoctoral (n = 82)</i>
\$14,447.78	\$26,066.41

## US citizen/resident alien predoctoral trainee completions:

	<i>Male</i>	<i>Female</i>
American Indian/Alaskan Native	0	0
Asian or Pacific Islander	12	12
Black, not of Hispanic origin	5	14
Hispanic	4	4
White, not of Hispanic origin	82	51

## Space Controlled by Department (*n* = 96)

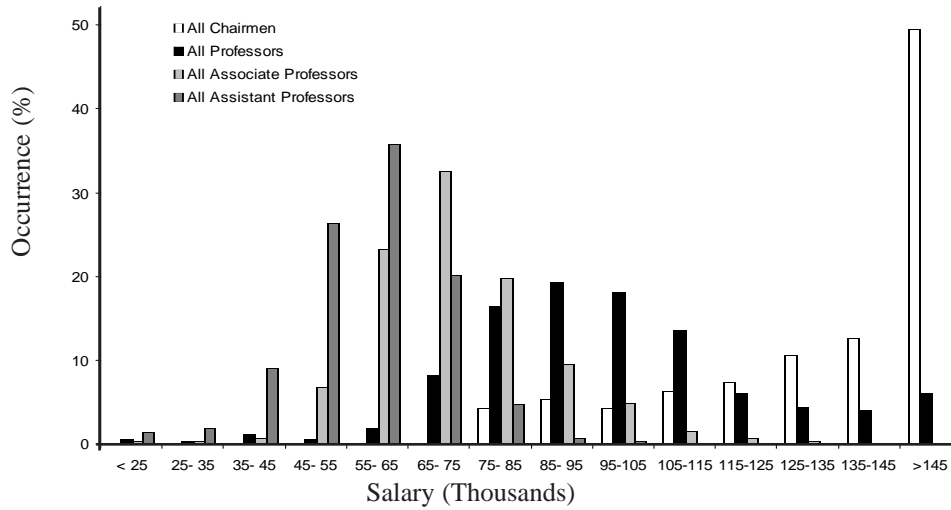
Research	16,298
Administration	2,662
Teaching	1,690
Other	1,509
Total space	22,158

**Table 3. Salaries by Region**

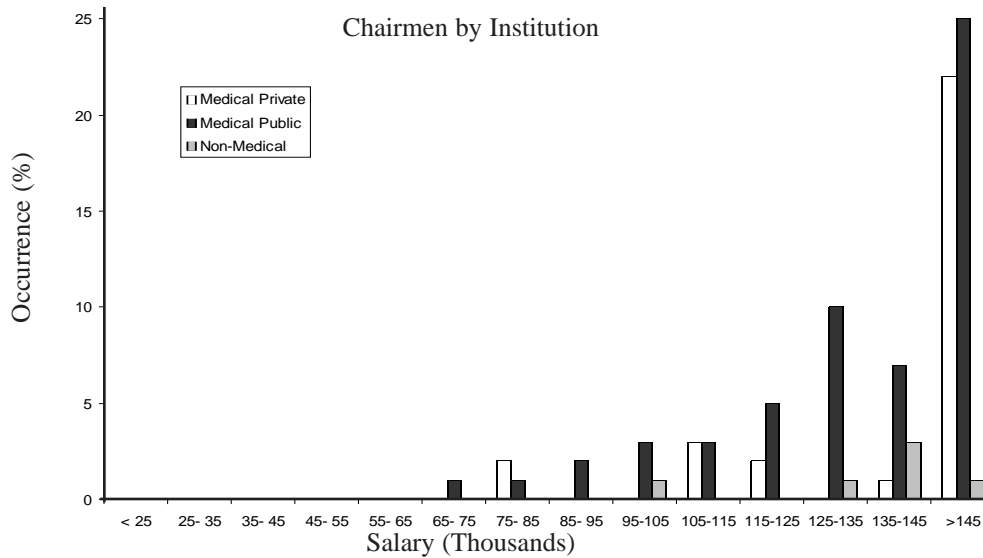
Region	Mean	Minimum	Maximum	Number	
<b>Chairmen</b>					
Northeast	\$155,913	\$89,432	\$211,961	22	Northeast: ME, NH, VT, NY, MA, RI, CT, NJ, PA, MD, DE, DC
Midwest	152,726	76,185	226,256	30	
South	149,798	85,449	233,000	31	
West	136,854	85,765	175,000	8	
Canada/Puerto Rico	96,434	77,879	108,171	4	
<b>Professors</b>					
Northeast	110,517	25,000	200,000	132	Midwest: MI, OH, IN, IL, WI, IA, MO, KS, NE, ND, SD, MN
Midwest	102,311	38,000	205,000	198	
South	96,434	10,000	226,000	209	
West	92,319	35,436	186,594	78	
Canada/Puerto Rico	83,831	20,627	106,353	41	
<b>Associate Professors</b>					
Northeast	77,175	41,500	120,000	102	South: VA, WV, KY, TN, NC, SC, GA, FL, AL, MS, AR, LA, OK, TX
Midwest	74,263	47,258	125,000	141	
South	68,994	27,965	119,025	104	
West	66,448	46,242	106,987	41	
Canada/Puerto Rico	60,801	5,000	75,161	18	
<b>Assistant Professors</b>					
Northeast	60,070	21,200	100,786	70	West: AK, HI, MT, WY, CO, NM, AZ, ID, NM, WA, OR, CA, UT
Midwest	60,265	28,463	84,000	106	
South	55,352	24,787	72,000	101	
West	52,438	24,870	77,145	30	
Canada/Puerto Rico	49,122	7,810	55,777	12	
<b>Instructors</b>					
Northeast	51,342	38,275	77,216	5	
Midwest	35,798	29,000	42,000	10	
South	38,613	18,203	65,000	27	
West	34,478	30,449	38,601	3	
Canada/Puerto Rico	40,000	40,000	40,000	1	

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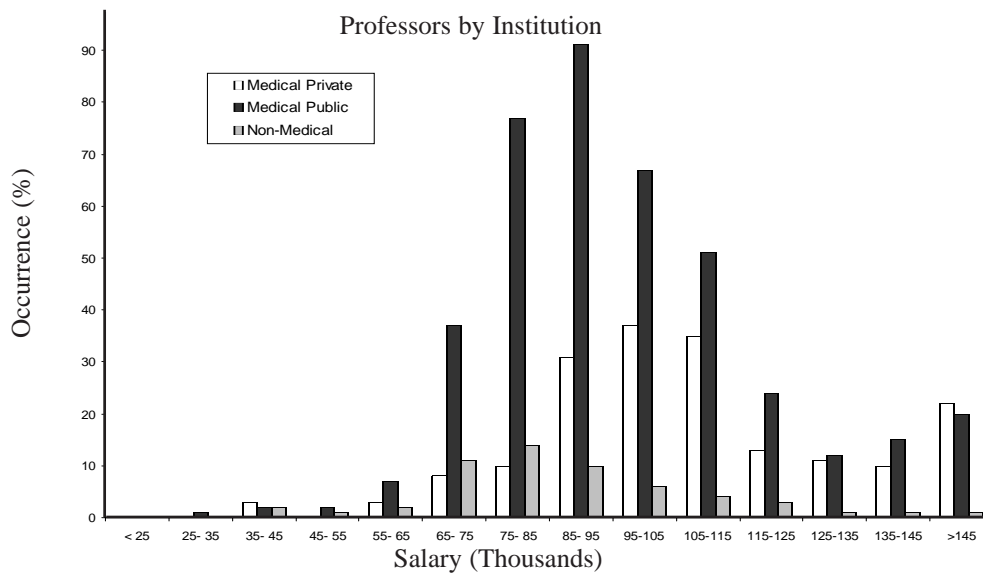
## Salary Comparison by Title



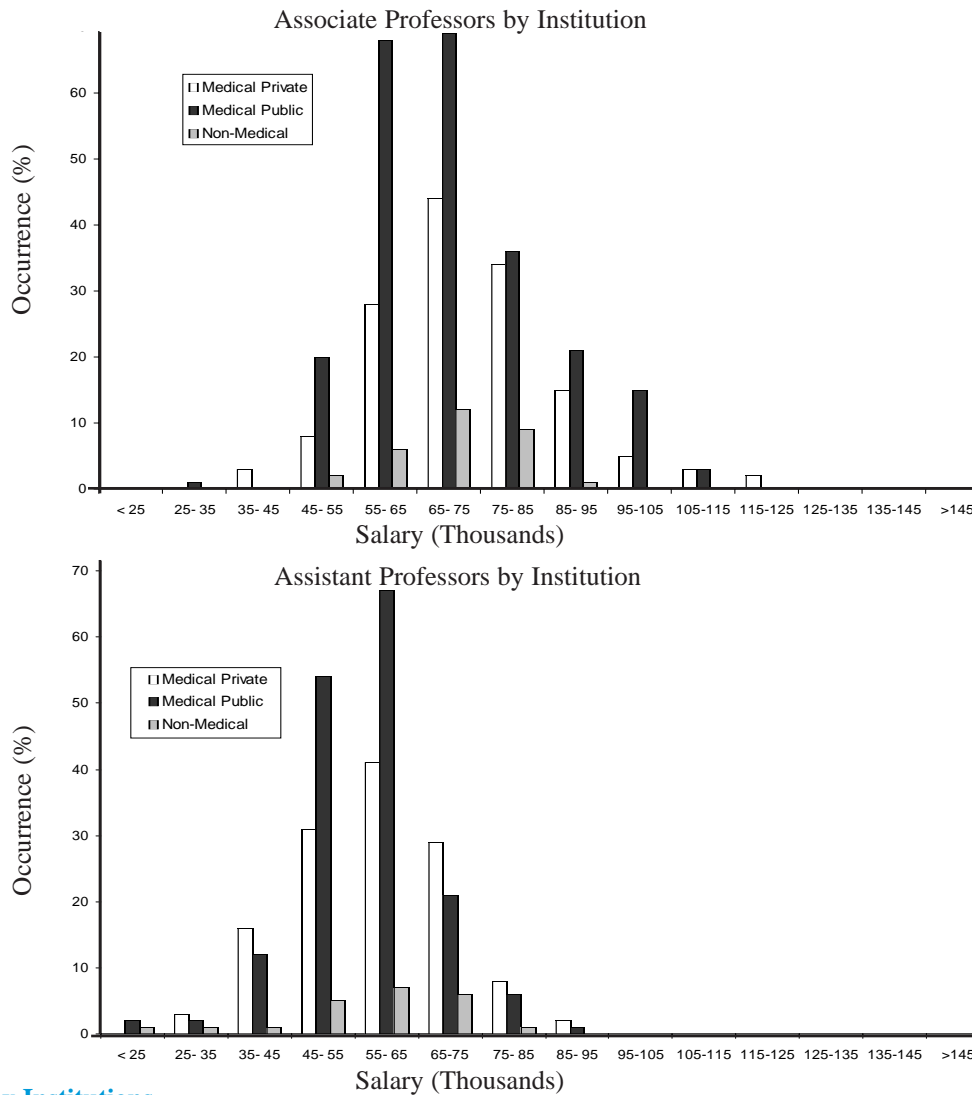
## Chairmen by Institution



## Professors by Institution



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**Table 4. Budgets by Institutions**

	All Institutions	No.	Public Medical	No.	Private Medical	No.	Nonmedical	No.
Institutional	\$1,479,552	93	\$1,537,552	57	\$1,365,418	30	\$1,724,580	7
Outside research grants (direct costs only)	2,582,062	93	2,247,311	57	3,213,643	30	2,601,115	7
Training grants (direct costs only)	252,647	53	183,786	30	373,455	19	135,865	3
Endowments	154,357	39	172,530	27	115,561	11	154,357	1
Indirect recovery costs (amount to dept.)	101,813	49	85,730	36	202,600	6	98,138	6
Other budget support	291,550	54	286,058	34	310,803	15	271,137	5
Average	4,509,841	93	4,094,977	57	5,260,506	30	4,891,986	7
Standard deviation	2,624,552		2,329,535		3,109,137		2,303,408	

## Financial Information

Percentage of total faculty salaries derived from research grants (not including fringe benefit amounts):	30.5%	(n = 79)
Current fringe benefit rate most frequently used for primary faculty:	24.3%	(n = 93)
Percentage of allocated faculty salary dollars raised from grants, etc., directly returned to your department:	73.5%	(n = 51)
Federally negotiated indirect cost rate for FY 96-97 on campus:	51.2%	(n = 90)
off campus:	25.4%	(n = 67)
Percentage of indirect costs returned to your department:	17.9%	(n = 42)

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**Table 5. Complete Ranking According to Total Dollars**

Rank Total Dollars	Total Dollars	Rank Research Grant Dollars	Research Grant Dollars	Rank Research Dollars/ Faculty	Research Dollars/ Faculty	Rank Total Research Space	Research Space (sq. ft.)	Rank Research Dollars/ sq. ft.	Research Dollars/ sq. ft.	No. of Faculty
1	\$13,124,393	1	\$10,183,940	1	\$442,780	20	24,660	3	\$413	23
2	10,194,335	2	7,960,957	11	256,805	12	28,137	6	283	31
3	10,006,732	3	6,829,537	3	325,216	13	26,850	11	254	21
4	9,091,923	5	6,271,210	15	232,267	2	37,354	33	168	27
5	9,075,387	6	6,047,897	21	208,548	24	21,638	7	280	29
6	8,448,375	9	5,081,390	33	181,478	26	21,316	16	238	28
7	8,320,600	7	6,000,000	6	285,714	4	35,500	32	169	21
8	8,047,988	17	4,531,471	27	197,020	1	41,608	62	109	23
9	8,035,036	35	2,803,213	46	140,161	9	28,885	66	97	20
10	8,024,970	4	6,455,163	4	322,758	81	7,203	1	896	20
11	7,968,296	21	4,076,345	18	226,464	17	25,691	37	159	18
12	7,831,269	11	4,975,554	36	165,852	29	19,980	12	250	30
13	7,706,856	12	4,899,458	28	195,978	53	14,800	4	331	25
14	7,704,000	10	4,983,000	17	226,500	3	35,577	46	140	22
15	7,459,843	22	3,858,164	24	203,061	14	26,141	42	148	19
16	6,927,614	19	4,216,550	10	263,534	41	17,479	13	241	16
17	6,866,992	18	4,469,489	42	148,983	15	26,129	30	171	30
18	6,860,666	13	4,853,561	5	303,348	25	21,397	17	227	16
19	6,845,320	8	5,397,774	8	269,889	36	18,660	5	289	20
20	6,784,428	25	3,729,984	32	186,499	49	15,688	15	238	20
21	6,686,000	15	4,756,000	7	279,765	5	30,000	38	159	17
22	6,496,540	273	3,562,531	51	127,233	21	24,241	43	147	28
23	6,366,264	16	4,573,501	26	198,848	10	28,461	36	161	23
24	6,205,637	30	3,120,171	44	141,826	45	16,544	27	189	22
25	6,191,498	33	2,951,901	39	155,363	18	25,439	58	116	19
26	6,182,183	20	4,110,437	41	152,238	32	19,520	20	211	27
27	6,147,662	24	3,748,676	14	234,292	40	17,972	21	209	16
28	6,023,962	14	4,823,827	2	401,986	42	17,233	8	280	12
29	5,988,104	23	3,795,394	25	199,768	7	29,512	52	129	19
30	5,842,000	26	3,600,000	13	240,000	11	28,350	53	127	15
31	5,532,948	49	2,306,106	69	100,265	19	25,327	70	91	23
32	5,479,044	44	2,569,245	38	160,578	33	19,480	51	132	16
33	5,386,911	28	3,500,000	35	175,000	39	18,000	26	194	20
34	5,359,918	43	2,570,254	68	102,810	22	22,672	59	113	25
35	5,209,601	45	2,485,644	55	118,364	16	26,025	67	96	21
36	5,150,202	42	2,570,524	70	98,866	94	3,097	2	830	26
37	5,079,819	32	2,997,219	49	136,237	8	29,806	65	103	22
38	5,004,579	39	2,645,320	23	203,486	54	14,634	28	181	13
39	4,965,936	36	2,755,312	57	114,805	23	21,719	54	127	24
40	4,883,850	29	3,458,000	16	230,533	44	16,773	22	206	15
41	4,856,529	41	2,577,373	61	112,060	38	18,298	45	141	23
42	4,822,899	54	1,993,798	67	104,937	68	9,941	24	201	19
43	4,635,920	34	2,816,000	31	187,733	47	16,288	29	173	15
44	4,482,208	47	2,404,000	45	141,412	43	16,921	44	142	17
45	4,471,078	71	1,060,898	81	48,223	28	20,940	83	51	22
46	4,411,984	40	2,645,290	9	264,529	58	12,978	23	204	10
47	4,204,678	38	2,672,295	20	222,691	59	12,667	19	211	12
48	4,200,000	53	2,000,000	52	125,000	27	21,309	69	94	16

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**Table 5 (continued).**

Rank Total Dollars	Total Dollars	Rank Research Grant Dollars	Research Grant Dollars	Rank Research Dollars/ Faculty	Research Dollars/ Faculty	Rank Total Research Space	Research Space (sq. ft.)	Rank Research Dollars/ sq. ft.	Research Dollars/ sq. ft.	No. of Faculty
49	4,162,667	46	2,458,111	30	189,085	61	12,476	25	197	13
50	4,062,233	48	2,341,819	34	180,140	31	19,775	55	118	13
51	4,058,042	50	2,259,317	54	118,911	6	29,872	74	76	19
52	3,929,491	62	1,458,526	76	66,297	65	10,760	47	136	22
53	3,909,957	60	1,531,359	47	139,497	72	9,253	34	165	11
54	3,798,460	51	2,183,948	48	136,497	30	19,813	61	110	16
55	3,612,848	57	1,658,000	22	207,250	63	12,251	49	135	8
56	3,612,551	31	3,079,346	29	192,459	35	18,971	35	162	16
57	3,596,525	56	1,817,452	37	165,223	85	6,565	9	277	11
58	3,565,242	37	2,700,000	12	245,455	67	10,240	10	264	11
59	3,383,910	61	1,501,550	56	115,504	55	14,175	64	106	13
60	3,133,470	52	2,008,515	19	223,168	52	14,881	48	135	9
61	3,114,545	55	1,840,160	65	108,245	46	16,500	60	112	17
62	2,967,230	68	1,167,030	79	55,573	48	15,792	75	74	21
63	2,951,786	70	1,078,198	72	98,018	77	8,038	50	134	11
64	2,921,491	59	1,572,258	53	120,943	66	10,257	40	153	13
65	2,851,443	74	949,545	77	63,303	37	18,602	82	51	15
66	2,798,218	58	1,585,504	60	113,250	80	7,352	18	216	14
67	2,472,577	67	1,193,455	64	108,496	56	13,648	72	87	11
68	2,471,016	64	1,392,477	40	154,720	76	8,179	31	170	9
69	2,169,521	72	1,019,479	75	78,421	70	9,567	63	107	13
70	2,146,277	81	554,693	85	34,668	73	8,526	79	65	16
71	2,086,522	78	891,195	78	59,413	71	9,357	68	95	15
72	2,065,759	73	984,956	71	98,496	84	6,618	41	149	10
73	2,024,000	66	1,200,000	73	85,714	78	7,695	39	156	14
74	2,005,966	84	389,903	87	29,993	75	8,264	85	47	13
75	1,964,348	65	1,222,077	62	111,098	34	19,030	80	64	11
76	1,956,177	63	1,443,464	43	144,346	62	12,470	57	116	10
77	1,926,514	80	560,725	83	43,133	83	7,000	73	80	13
78	1,889,458	83	479,053	82	47,905	51	15,250	89	31	10
79	1,889,021	69	1,136,272	59	113,627	50	15,363	76	74	10
80	1,878,594	77	910,019	58	113,752	79	7,680	56	118	8
81	1,825,875	82	538,360	80	53,836	69	9,882	81	54	10
82	1,810,095	79	616,910	84	41,127	60	12,640	84	49	15
83	1,780,766	76	913,158	50	130,451	57	13,316	78	69	7
84	1,493,678	75	949,300	66	105,478	90	3,950	14	240	9
85	1,356,475	92	87,814	92	6,755	64	11,965	92	7	13
86	1,250,677	88	130,506	90	13,051	86	6,191	90	21	10
87	911,582	85	330,600	63	110,200	91	3,741	71	88	3
88	843,512	87	203,176	86	33,863	88	4,880	87	42	6
89	787,673	93	17,693	93	2,949	74	8,483	94	2	6
90	687,995	89	125,000	88	25,000	95	2,700	86	46	5
91	602,129	90	115,832	89	23,166	93	3,527	88	33	5
92	544,649	86	328,304	74	82,076	89	4,480	77	73	4
93	149,000	91	90,000	91	12,857	87	5,500	91	16	7
94	98,656	94	10,000	94	1,667	92	3,688	93	3	6
95	30,000	96	0	96	0	82	7,000	96	0	6
96	0	95	0	95	0	96	390	95	0	3