

# ACDP 1996 Survey Results

## Association of Chairmen of Departments of Physiology 1996 Survey Results

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The Association of Chairmen of Departments of Physiology annual survey was mailed to 155 physiology departments throughout the US, Canada, and Puerto Rico. A total of 110 surveys were returned, for a response rate of 71%. This rate is higher than the 1995 survey (60%).

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 years in rank.

Most of the statistics are based on 110 responses (four from Canada and one from Puerto Rico), but salary, tenure, gender, ethnicity, and number of

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**Table 1. Faculty Salaries for Fiscal Year 1996**

	Mean	% Change From Previous Survey	Minimum	Maximum	No. of Faculty
<b>Chairmen</b>					
All schools	\$135,309	6.9	\$34,454	\$212,350	107
Medical public	132,485	10.6	34,454	207,900	70
Medical private	144,539	2.2	45,168	212,350	30
Nonmedical	123,993	-14.0	55,892	206,000	7
Female	85,454	-0.5	34,454	152,239	5
<b>Professors</b>					
All schools	92,233	2.2	32,540	242,200	687
Medical public	89,210	3.1	32,540	242,200	487
Medical private	101,041	-0.9	35,821	202,201	163
Nonmedical	93,229	-1.0	45,000	238,770	37
Female	90,256	7.3	49,161	166,251	73
<b>Associate Professors</b>					
All schools	67,222	1.1	34,710	135,000	416
Medical public	66,613	3.0	34,710	109,000	276
Medical private	69,264	-3.3	36,273	135,000	126
Nonmedical	60,845	-7.7	44,000	88,000	14
Female	68,470	1.4	38,000	102,302	83
<b>Assistant Professors</b>					
All schools	54,220	1.4	17,382	106,774	321
Medical public	53,791	3.5	17,382	106,774	179
Medical private	54,664	-0.9	27,000	77,910	119
Nonmedical	55,261	-4.2	20,000	93,800	23
Female	53,027	2.3	25,500	81,780	86
<b>Instructors</b>					
All schools	37,680	-4.3	20,000	58,464	47
Medical public	36,805	7.2	20,000	58,464	35
Medical private	40,233	-19.4	33,000	52,489	12
Female	35,415	-2.8	20,000	50,000	25

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years in rank results are calculated on the number of respondents providing this information. From the returned surveys, there was one institution that did not provide any faculty information. With regard to the other surveys, the salaries of only 10 faculty were not reported. Also missing for some faculty were years in rank (61), ethnicity (66), and for two institutions no department head information was provided.

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) is by type of support, faculty salaries derived from grants, negotiated indirect cost rates, and percentage of returned indirect costs. Table 5 ranks responding institutions according to total dollars, research dollars, and space.

Space averages are presented by research, administration, teaching, and other. NR indicates no response.

For the most part, results are calculated on the number of respondents providing information, and inconsistent data were eliminated in an attempt to achieve accurate statistics within each category. ❖

We are grateful for the development of software by Charlene Smith, formerly of the University of Oklahoma. ❖

**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	\$124,260	34	0-5	\$84,022	209	0-5	\$66,024	219	0-5	\$53,985	281	0-5	37,113	37
6-10	138,733	33	6-10	90,520	168	6-10	67,293	88	6-10	56,534	34	6-10	41,298	7
11-15	141,857	16	11-15	94,721	134	11-15	70,144	39	11-15	52,833	4	11-15	42,751	1
16-20	144,892	11	16-20	97,613	89	16-20	72,343	32	16-20	0	0	16-20	0	0
21-25	146,792	9	21-25	101,914	65	21-25	68,958	25	21-25	0	0	21-25	33,949	1
26+	122,601	4	26+	98,865	22	26+	62,214	13	26+	50,703	2	26+	32,000	1

**Type of Institution (n = 109)**

Support	Teaching Interactions
Public	74 MD/DO
Private	35 DDS
	DVM
	Allied health
	94 Pharmacy
	29 Other biomedical
	11 Life science
	57 Bioengineering

**Student/Trainee Summary**

Total number of pre- and postdoctoral students/trainees			
Predoctoral male	967	Postdoctoral male	641
Predoctoral female	737	Postdoctoral female	360
Total number of foreign pre- and postdoctoral students/trainees			
Predoctoral male	296	Postdoctoral male	377
Predoctoral female	199	Postdoctoral female	150

**Faculty Summary (n = 1,522)**

	Male	Female
American Indian/Alaskan Native	0	1
Asian/Pacific Islander	86	21
Black, not Hispanic origin	34	6
Hispanic	47	17
White, not of Hispanic origin	1045	210
Foreign national	44	11

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

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
American Indian/Alaskan Native	2	3	2	1
Asian/Pacific Islander	91	71	55	38
Black, not Hispanic origin	28	50	8	9
Hispanic	17	26	5	11
White, not of Hispanic origin	533	388	194	151

**Tenure status in each department by degree (n = 1,499)**

	Tenured	Not Tenured	Not Eligible	Total
MD	83	9	14	106
PhD	940	219	134	1293
Both	51	16	5	72
Other	16	3	9	28

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

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
African	6	6	4	0
Asian/Pacific Islander	161	105	243	59
Central and South American	10	5	17	7
European, Canadian, Australian	87	66	87	68
Middle Eastern	23	12	20	9
Other	9	5	6	7

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

	<i>Predoctoral</i>	<i>Postdoctoral</i>
Institutional	181	128
Research grants	398	203
Private foundations	46	29
Home (foreign) governments	36	18
Other	36	21

## Predocotrinal Trainee Completions

Number of trainees who have completed doctoral work during the year ended June 30, 1996 (*n* = 69)

<i>Predoctoral male</i>	134	<i>Predoctoral female</i>	108
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## Foreign National predoctoral trainee completions:

	<i>Male</i>	<i>Female</i>
African	3	2
Asian or Pacific Islander	26	17
Central or South American	1	2
European, Canadian, Australian	7	5
Middle Eastern	4	1
Other	0	0

## Average annual starting stipend (in US dollars) for trainees:

<i>Predoctoral (n = 99)</i>	<i>Postdoctoral (n = 92)</i>
\$13,380.46	\$25,198.32

## US citizen/resident alien predoctoral trainee completions:

	<i>Male</i>	<i>Female</i>
American Indian/Alaskan Native	0	7
Asian or Pacific Islander	11	11
Black, not of Hispanic origin	5	3
Hispanic	4	2
White, not of Hispanic origin	73	58

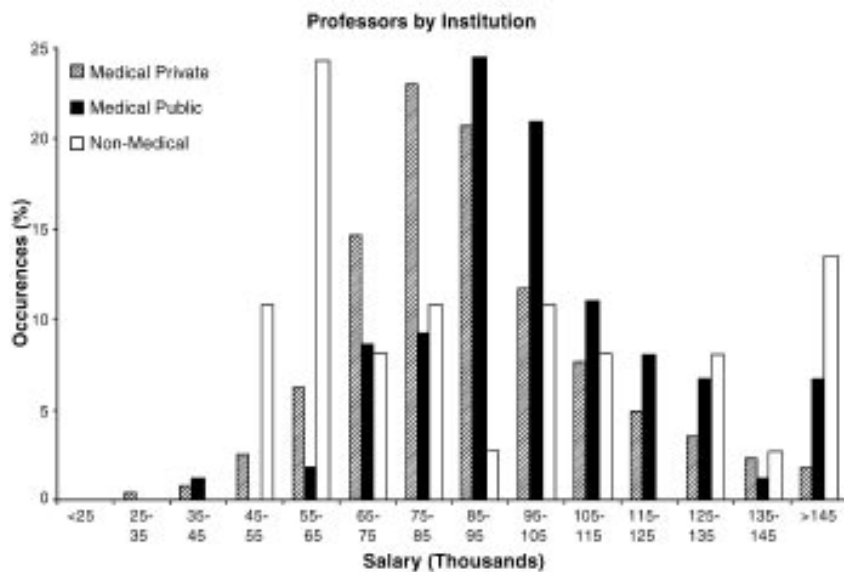
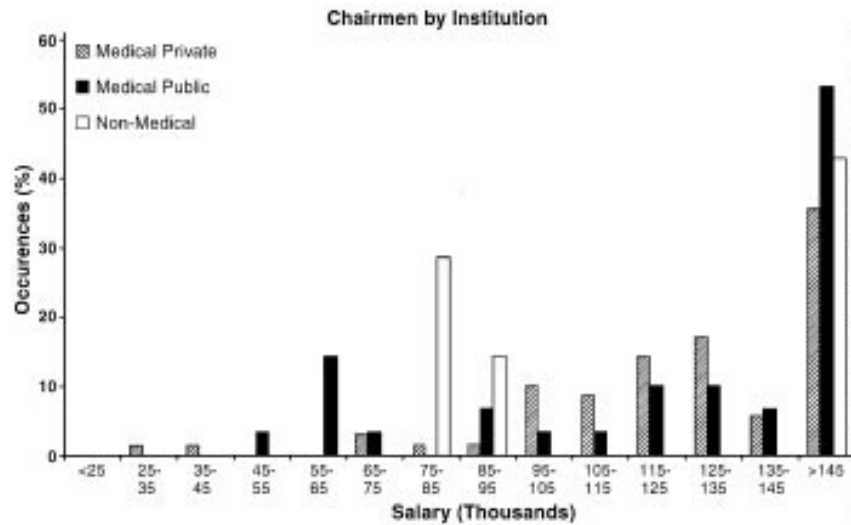
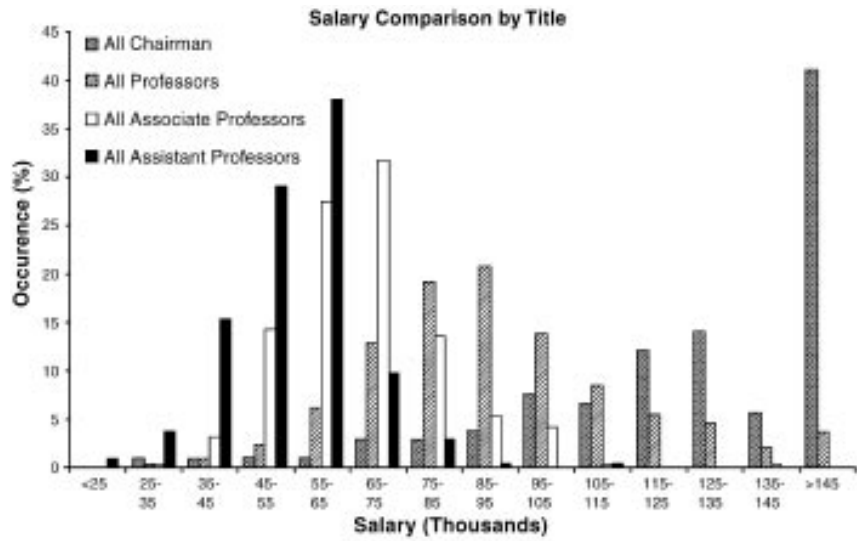
## Space Controlled by Department (*n* = 108)

Research	15,940
Administration	2,595
Teaching	3,017
Other	1,704
Total space	23,257

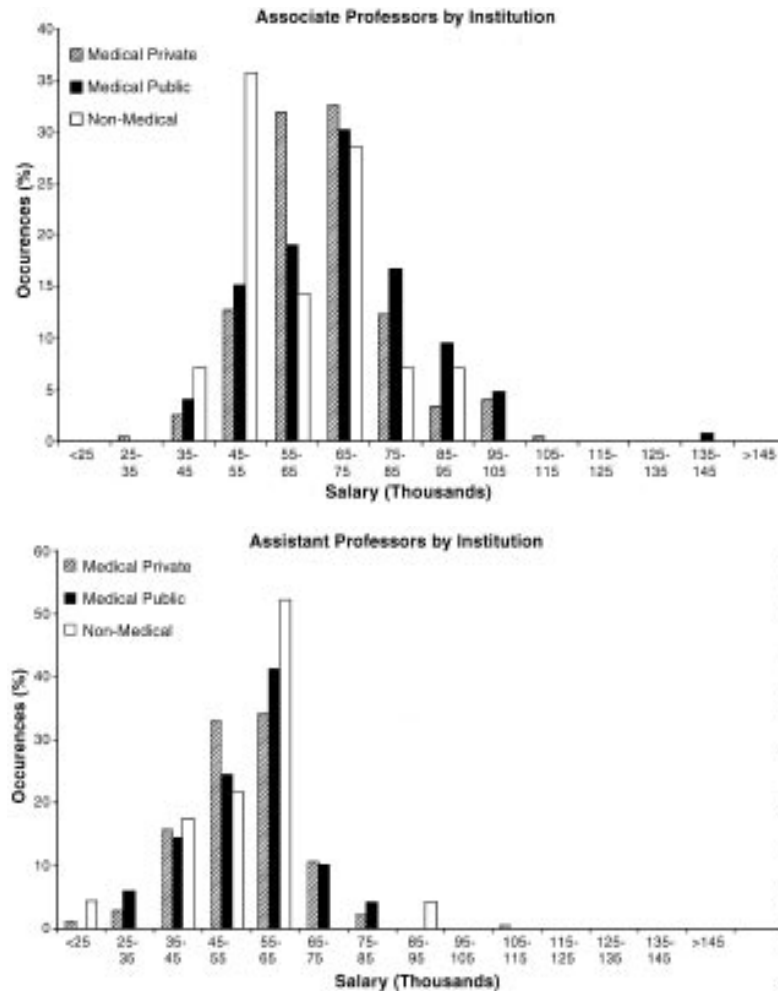
**Table 3. Salaries by Region**

Region	Mean	Minimum	Maximum	Number	
<b>Chairmen</b>					
Northeast	\$141,178	\$34,454	\$211,241	29	Northeast: ME, NH, VT, NY, MA, RI, CT, NJ, PA, MD, DE, DC
Midwest	141,287	75,830	211,218	32	
South	132,150	42,000	212,350	29	
West	140,502	96,133	207,900	12	
Canada/Puerto Rico	68,873	45,168	80,447	5	
<b>Professors</b>					
Northeast	100,551	40,800	184,000	173	Midwest: MI, OH, IN, IL, WI, IA, MO, KS, NE, ND, SD, MN
Midwest	90,048	35,821	172,443	194	
South	89,855	32,540	202,201	199	
West	97,649	33,648	242,200	90	
Canada/Puerto Rico	59,038	47,627	78,352	31	
<b>Associate Professors</b>					
Northeast	71,969	36,273	135,000	105	South: VA, WV, KY, TN, NC, SC, GA, FL, AL, MS, AR, LA, OK, TX
Midwest	68,842	44,000	109,000	139	
South	64,383	35,074	91,563	122	
West	65,169	34,710	91,205	36	
Canada/Puerto Rico	45,558	36,768	55,136	14	
<b>Assistant Professors</b>					
Northeast	56,080	37,500	77,910	65	West: AK, HI, MT, WY, CO, NM, AZ, ID, NM, WA, OR, CA, UT
Midwest	55,558	20,000	80,975	115	
South	51,401	17,382	106,774	92	
West	57,404	25,500	93,800	40	
Canada/Puerto Rico	38,366	34,945	42,751	9	
<b>Instructors</b>					
Northeast	42,140	33,000	58,464	14	
Midwest	34,403	27,000	46,502	8	
South	36,326	20,000	52,489	21	
West	40,802	32,418	53,600	3	
Canada/Puerto Rico	20,529	20,529	20,529	1	

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**Table 4. Budgets by Institutions**

	All Institutions	No.	Public Medical	No.	Private Medical	No.	Nonmedical	No.
Institutional	\$1,274,962	108	\$1,312,272	70	\$1,250,484	32	\$ 970,239	6
Outside research grants (direct costs only)	2,115,763	105	2,016,820	67	2,460,878	31	1,534,417	7
Training grants (direct costs only)	264,373	48	236,383	29	288,393	17	466,060	2
Endowments	188,621	45	241,125	30	85,641	12	75,498	3
Indirect recovery costs (amount to dept.)	105,157	53	96,485	45	233,316	5	21,640	3
Other budget support	247,124	52	241,586	38	262,158	14	0	0
Average	3,664,703	109	3,637,099	70	3,970,933	32	2,540,842	7
Standard deviation	2,335,891		2,239,601		2,459,490		2,335,217	

## Financial Information

Percentage of total faculty salaries derived from research grants (not including fringe benefit amounts):	27.9%	(n = 87)
Current fringe benefit rate most frequently used for primary faculty:	24.3%	(n = 108)
Percentage of allocated faculty salary dollars raised from grants, etc., directly returned to your department:	73.1%	(n = 55)
Federally negotiated indirect cost rate for FY 96-97 on campus:	55.1%	(n = 102)
off campus:	32.0%	(n = 72)
Percentage of indirect costs returned to your department:	17.4%	(n = 47)

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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	\$13,660,354	1	\$8,314,325	1	\$692,860	36	18,681	1	\$445	12
2	10,017,664	2	7,667,749	32	178,320	5	35,000	13	219	43
3	8,617,281	9	4,321,118	30	187,875	18	24,666	27	175	23
4	8,351,818	3	5,546,003	24	198,072	30	19,908	4	279	28
5	7,825,773	11	4,223,835	9	248,461	45	17,433	8	242	17
6	7,762,162	4	5,098,517	21	212,438	25	21,434	10	238	24
7	7,498,230	10	4,242,231	37	157,120	26	21,316	15	199	27
8	7,346,180	5	4,930,138	10	246,507	8	31,266	32	158	20
9	7,180,545	6	4,862,195	11	243,110	14	26,536	21	183	20
10	6,930,097	12	4,126,842	27	196,516	6	34,907	51	118	21
11	6,718,543	8	4,614,860	13	242,887	7	32,665	40	141	19
12	6,653,234	42	2,350,365	46	130,576	12	27,231	77	86	18
13	6,650,000	7	4,690,000	6	293,125	13	26,701	26	176	16
14	6,600,000	14	4,000,000	108	NR	3	40,000	64	100	NR
15	6,543,657	28	3,200,680	29	188,275	51	15,688	14	204	17
16	6,477,990	17	3,866,300	17	227,429	44	17,479	12	221	17
17	6,424,207	18	3,802,984	35	165,347	54	14,800	7	257	23
18	6,349,566	15	3,950,823	38	151,955	15	26,348	35	150	26
19	5,934,282	24	3,312,388	3	368,043	2	47,529	85	70	9
20	5,736,258	13	4,055,402	7	270,360	23	22,000	20	184	15
21	5,513,713	23	3,414,782	16	227,652	34	18,874	22	181	15
22	5,393,298	16	3,886,216	4	323,851	57	14,634	5	266	12
23	5,078,563	20	3,474,134	19	217,133	4	36,618	67	95	16
24	5,069,830	27	3,217,576	44	139,895	40	18,226	24	177	23
25	5,056,108	31	2,872,219	48	124,879	24	21,719	44	132	23
26	5,053,408	48	2,045,440	67	88,932	17	25,486	79	80	23
27	4,958,397	40	2,406,895	58	104,648	21	22,672	60	106	23
28	4,945,482	26	3,240,143	28	190,597	37	18,660	28	174	17
29	4,836,287	36	2,543,150	49	121,102	58	14,380	25	177	21
30	4,823,197	37	2,524,709	43	140,262	38	18,298	42	138	18
31	4,815,000	30	2,985,000	15	229,615	11	28,350	62	105	13
32	4,794,263	70	1,256,300	77	73,900	1	76,673	102	16	17
33	4,782,413	45	2,250,344	50	118,439	29	20,482	55	110	19
34	4,680,036	25	3,280,934	14	234,352	31	19,592	29	167	14
35	4,677,502	22	3,418,948	40	148,650	20	23,261	36	147	23
36	4,651,901	29	2,991,076	42	142,432	16	26,025	53	115	21
37	4,632,306	19	3,762,621	2	627,104	59	14,127	6	266	6
38	4,506,165	21	3,421,806	5	311,073	55	14,720	11	232	11
39	4,359,983	33	2,806,233	36	165,073	93	7,203	2	390	17
40	4,226,871	34	2,800,000	20	215,385	28	21,000	43	133	13
41	4,213,221	32	2,837,520	39	149,343	10	29,872	69	95	19
42	4,202,566	43	2,348,602	41	146,788	47	16,398	38	143	16
43	4,175,000	49	2,000,000	69	83,333	27	21,309	71	94	24
44	4,173,973	35	2,609,483	18	217,457	60	14,000	19	186	12
45	4,086,700	38	2,476,700	22	206,392	63	13,068	16	190	12
46	4,040,249	55	1,762,128	72	80,097	68	11,210	33	157	22
47	4,008,389	53	1,822,268	68	86,775	48	16,347	54	111	21
48	3,945,230	52	1,864,793	52	116,550	43	17,505	59	107	16
49	3,933,530	64	1,514,947	88	52,240	19	24,241	90	62	29
50	3,769,421	54	1,764,015	51	117,601	49	16,288	57	108	15
51	3,768,588	44	2,331,552	8	259,061	65	12,451	18	187	9
52	3,742,900	56	1,754,000	78	73,083	35	18,760	72	93	24
53	3,742,459	46	2,126,274	45	132,892	22	22,530	70	94	16
54	3,681,688	58	1,740,000	63	91,579	39	18,248	68	95	19
55	3,653,385	41	2,364,000	31	181,846	50	16,200	37	146	13

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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
56	3,629,230	39	2,430,430	12	243,043	92	7,308	3	333	10
57	3,486,837	50	2,000,000	65	90,909	9	30,037	88	67	22
58	3,439,028	62	1,574,989	54	112,499	41	18,000	76	87	14
59	3,370,227	51	1,912,215	34	173,838	85	8,038	9	238	11
60	3,270,317	59	1,644,571	71	82,229	46	16,880	66	97	20
61	3,095,504	65	1,420,412	60	101,458	78	9,044	34	157	14
62	2,957,326	69	1,280,500	64	91,464	71	10,503	47	122	14
63	2,901,083	71	1,204,765	89	50,199	87	7,553	30	160	24
64	2,765,904	57	1,740,352	33	174,035	53	14,881	52	117	10
65	2,764,527	68	1,323,384	74	77,846	42	17,534	82	75	17
66	2,714,831	74	1,163,542	75	77,569	75	9,809	50	119	15
67	2,643,749	47	2,064,157	53	114,675	33	18,971	56	109	18
68	2,637,228	89	595,535	95	37,221	67	11,396	92	52	16
69	2,464,748	61	1,578,506	26	197,313	56	14,668	58	108	8
70	2,410,822	60	1,579,009	25	197,376	62	13,316	49	119	8
71	2,350,446	67	1,330,033	59	102,310	76	9,567	41	139	13
72	2,349,545	72	1,188,642	56	108,058	66	12,000	65	99	11
73	2,336,469	73	1,171,861	66	90,143	96	6,565	23	179	13
74	2,325,624	77	1,091,142	73	77,939	73	10,257	61	106	14
75	2,321,960	75	1,141,881	47	126,876	94	7,193	31	159	9
76	2,304,369	66	1,411,207	23	201,601	52	15,563	73	91	7
77	2,283,195	76	1,101,177	61	100,107	64	12,640	75	87	11
78	2,254,338	63	1,557,347	55	111,239	82	8,350	17	187	14
79	2,242,000	87	600,000	90	46,154	79	9,000	87	67	13
80	2,166,920	90	586,606	91	41,900	84	8,131	83	72	14
81	2,071,707	88	597,208	94	37,326	80	8,526	84	70	16
82	2,005,000	78	1,071,000	70	82,385	69	10,550	63	102	13
83	1,958,771	79	965,344	76	74,257	90	7,379	45	131	13
84	1,937,177	80	916,694	83	61,113	91	7,352	46	125	15
85	1,753,599	81	853,739	84	60,981	72	10,459	78	82	14
86	1,653,473	99	229,607	100	16,401	83	8,264	100	28	14
87	1,559,849	86	619,351	79	68,817	74	9,860	89	63	9
88	1,497,130	94	336,293	98	28,024	101	3,799	74	89	12
89	1,457,280	95	308,504	97	30,850	97	6,190	93	50	10
90	1,375,151	97	276,953	96	34,619	89	7,433	98	37	8
91	1,294,573	85	654,164	62	93,452	99	4,615	39	142	7
92	1,256,886	98	239,847	92	39,975	95	6,700	99	36	6
93	1,250,117	84	668,124	81	66,812	61	13,838	94	48	10
94	1,184,484	91	536,721	57	107,344	100	4,480	48	120	5
95	1,125,658	106	3,880	105	353	86	8,000	107	NR	11
96	1,112,048	93	338,083	80	67,617	77	9,112	97	37	5
97	1,088,551	83	720,317	87	55,409	32	19,030	96	38	13
98	1,058,920	92	384,148	82	64,025	98	4,880	80	79	6
99	984,032	100	226,501	93	37,750	81	8,483	101	27	6
100	923,269	107	NR	106	NR	88	7,450	105	NR	11
101	910,000	82	800,000	85	57,143	110	NR	108	NR	14
102	890,846	105	17,250	104	2,464	70	10,545	104	2	7
103	846,577	96	280,000	86	56,000	102	3,741	81	75	5
104	644,294	101	128,000	99	21,333	106	1,900	86	67	6
105	617,819	110	NR	110	NR	108	600	110	NR	4
106	454,516	103	50,000	102	10,000	103	3,527	103	14	5
107	431,594	108	NR	107	NR	104	3,240	106	NR	4
108	354,747	104	25,000	103	6,250	109	450	91	56	4
109	268,700	102	54,700	101	13,675	107	1,200	95	46	4
110	76,000	109	NR	109	NR	105	3,000	109	NR	4