

2014 Survey of Prosthodontists
Results of a Survey

prepared for the

American College of Prosthodontists

prepared by

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**2014 Survey of Prosthodontists
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2014 Survey of Prosthodontists

American College of Prosthodontists

Introduction

The American College of Prosthodontists (ACP) sponsored the conduct of the most recent survey of prosthodontists during the later months in 2014. The 2014 Survey of Prosthodontists is the fifth survey following similar surveys completed in 2002, 2005, 2008 and 2011. The purpose of the survey is to obtain data and information about the practice of prosthodontics in the U.S. including those in private practice. The data and information from the survey can be used by the ACP to assist with development of activities to enhance and encourage dentists to consider the specialty profession of prosthodontics. Several topics were covered by the 2014 survey sent to practicing prosthodontists and included (see attachment A):

- Occupation as a prosthodontist and years in practice
- Demographic characteristics
- Education and current board status
- Private practice characteristics and employment status
- Time spent in prosthodontics procedures
- Patient visits, size, and financial characteristics
- Practice expenses and office staff
- Key staff, experience and wages
- Patients of prosthodontists
- Patient referrals to Prosthodontists

Response to the Survey

The 2014 Survey of Prosthodontists was sent to 3,098 prosthodontist members and non-members of the ACP. The survey was open for response between October 2 and December 31, 2014. Email was used to share the survey link with eligible recipients. (Previous surveys had used a mail version of the survey.)

The survey was designed as an Internet survey and was programmed by ACP staff using Survey Monkey. Staff members tested the survey while it was in Survey Monkey's "Preview" mode. The survey was designed so that it could only be taken once per respondent, though respondents could begin and then later return to finish the survey.

ACP formally engaged the services of Dr. Kent Nash on August 14, 2014 to assist ACP staff with review of the survey. The questions contained in the 2014 survey were based on similar questions from the 2011 survey. Dr. Nash and Dr. Douglas Benting, a member of the ACP Board of Directors (a prosthodontist, a private practitioner), reviewed the questions that were used in 2011 and proposed revisions, most notably to questions related to the employment status of prosthodontists, practice ownership and corporate status of the practice. These revisions were

recommended by Dr. Benting to better understand the corporate structure of prosthodontist practice and to assist the ACP in discussion with the Bureau of Labor Statistics to better identify missing components in the BLS survey data used to estimate the number of prosthodontists in the U.S. After discussion, the draft survey was created and distributed for review on September 25, 2014. At the request of Dr. John Agar, ACP President, two questions centered on implant placement were added to the survey. The survey was finalized and its initial distribution was conducted on October 2, 2014. Follow-up emails were sent on November 3, December 1, December 10, and December 29. The follow-up email was designed to encourage participation in the survey.

Updates and/or early results were sent to Dr. Nash on October 6 (211 total respondents), October 15 (254), October 31 (265), December 9 (438), December 12 (530), and December 29 (605). The final results (637 respondents) were delivered to Dr. Nash on Jan. 6, 2015. Based on the 637 respondents to the survey, the response rate was 20.6%.

The response rate to the 2014 survey of 20.6% compares to the 22% in 2011, 27.2% in 2008 and 31.1% in 2005. A relatively low response rate raises the issue of the reliability of the estimates being made with the survey data. That is, how much confidence do we have that the estimates being made using the survey data (e.g., the average age of prosthodontists) are reasonably good estimates. One method used to judge the reliability of the estimates is to construct a plus/minus confidence interval around the relevant estimate. When, for example, the average age is estimated from the responses to the survey, it is usually inferred that this is the average age of “all” prosthodontists (i.e., those included in the sample (respondents and non-respondents) and those not included in the sample). The width of the confidence interval provides some indication of the reliability of the estimates being made using the survey data. A very narrow confidence interval suggests higher reliability and a very wide interval suggests a lower reliability. What is wide and what is narrow relies on the judgment of the user of the survey results. Statistically, the width of the confidence interval depends on the size of the sample, the standard deviation for the characteristic being estimated, and the degree of confidence required. For purposes of this report, the degree of confidence has been set to a 95% confidence interval. This means, theoretically, that if this study was repeated numerous times (including the same sample size and number of respondents) we would expect the estimated true value of the characteristic to be included in the corresponding interval we have calculated 95% of the time.

As an example of the use of the 95% confidence interval in this report, the first table contains data about the average age of respondents to the survey. Based on the responses, the average age of respondent prosthodontists was calculated to be 52.68 years with a standard deviation of 13.38 years and based on 626 prosthodontist respondents. The average of 52.68 is our best estimate of the age of prosthodontists in the U.S. But we also know that this estimate of age is not likely to be exact since we did not get a response from every prosthodontist in the U.S. (only a sample).

The 95% confidence interval is one method that can be used to display this lack of exactness (i.e., reliability) in a single estimate. In this example, the 95% confidence interval is displayed as plus or minus 1.01 years. This means that the 95% confidence interval estimate of the age of prosthodontists in the U.S. using the responses from the 2011 survey is:¹

53.02 years +/- 1.05 years

Results of the Survey

The purpose of the survey was to obtain more current information about the private practice of prosthodontists in the US. Not all respondents, however, characterized themselves as private practitioners. Among the 637 respondents, 426 (67%) characterized themselves in private practice full-time (293) or private practice part-time (133). Most of the results presented in this report are for the private practicing prosthodontists although some important questions asked at the beginning of the survey are relevant for all respondents. The format of the remainder of this report is to present the survey responses in statistical tables and charts with some narrative to identify the main statistical results. The responses to questions are presented in the order in which the questions were listed in the survey questionnaire (except for age and gender of prosthodontists which are presented first).

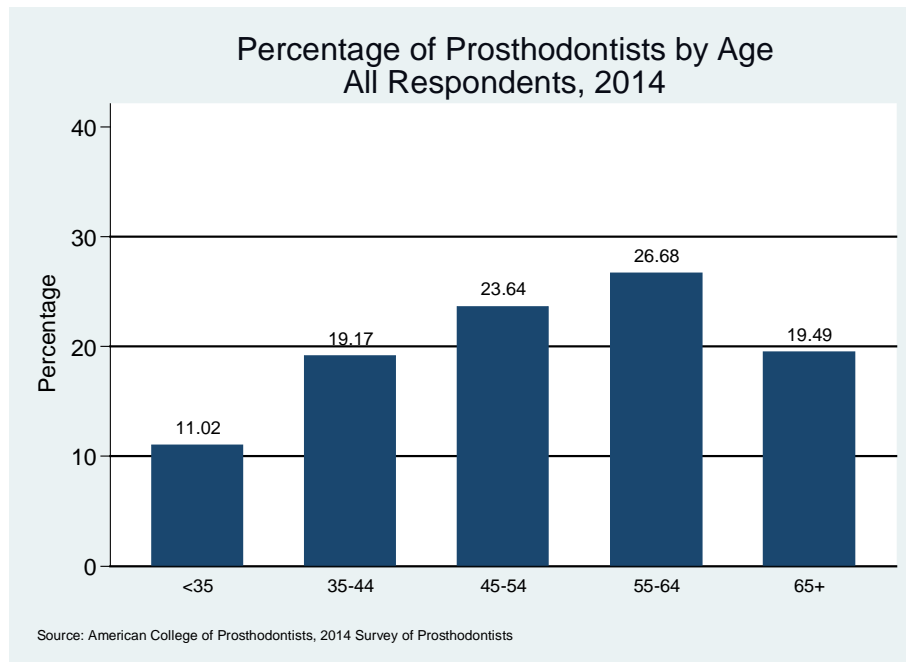
While this survey is titled, 2014 Survey of Prosthodontists, most of the questions of respondents were related to the previous full year (2013). For example, survey participants were asked, how many patient visits did you treat in 2013? This is why most of the tables and charts in this report contain the year 2013 in the title even though the survey was conducted in 2014.

¹ A second issue associated with low response to a survey is response bias. Was the number of responses from one group of prosthodontists in the sample greater than the number expected based on the representation of the group in the total population? That is, for example, was the number of elderly respondents greater than their representation in the total population of prosthodontists. This issue can be examined if the list from which the sample was selected contains enough data to determine the extent to which any response bias exists. Such data were not included with the lists from which the sample for this survey was selected. Relevant data might include age, years since graduation, gender, private practice versus other occupation and other characteristics.

Age of Practicing Prosthodontists 2013

Mean					
			Years Since	Standard	Sample
Age	Number	Percent	Graduation	Deviation	Size
<35	69	11.02	31.54	2.07	69
35-44	120	19.17	39.38	3.04	120
45-54	148	23.64	49.97	2.99	148
55-64	167	26.68	59.53	2.78	167
65+	122	19.49	71.6	5.21	122
Total	626	100	52.68	13.38	626
95% CI:	52.7	+/-	1.05		

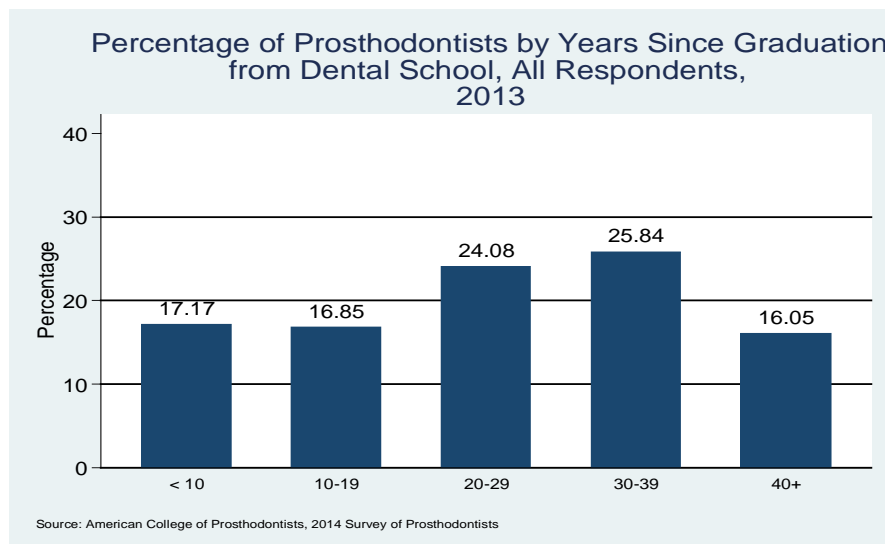
The average age of respondents to the survey was 52.7 years. Eleven percent of respondents were under the age of 35 and 19% were over the age of 65. Half of the respondents reported an age of 45-64 years (50%). Based on this sample, the average age of prosthodontists was estimated to be 52.68 years plus or minus 1.05 years.



Years Since Graduation from Dental School 2013

Number of Years	Mean Years		Standard Deviation	95% Confidence Interval		
	Number	Percent		Lower	Upper	
< 10	107	17.17	5.76	2.38	5.3	6.2
10-19	105	16.85	14.43	3.07	13.8	15.0
20-29	150	24.08	24.71	2.53	24.3	25.1
30-39	161	25.84	34.12	3.08	33.6	34.6
40+	100	16.05	49.58	27.4	44.1	55.0
Total	623	100	26.14	18.05	24.7	27.6
95% CI:	26.1	+/-	1.42			

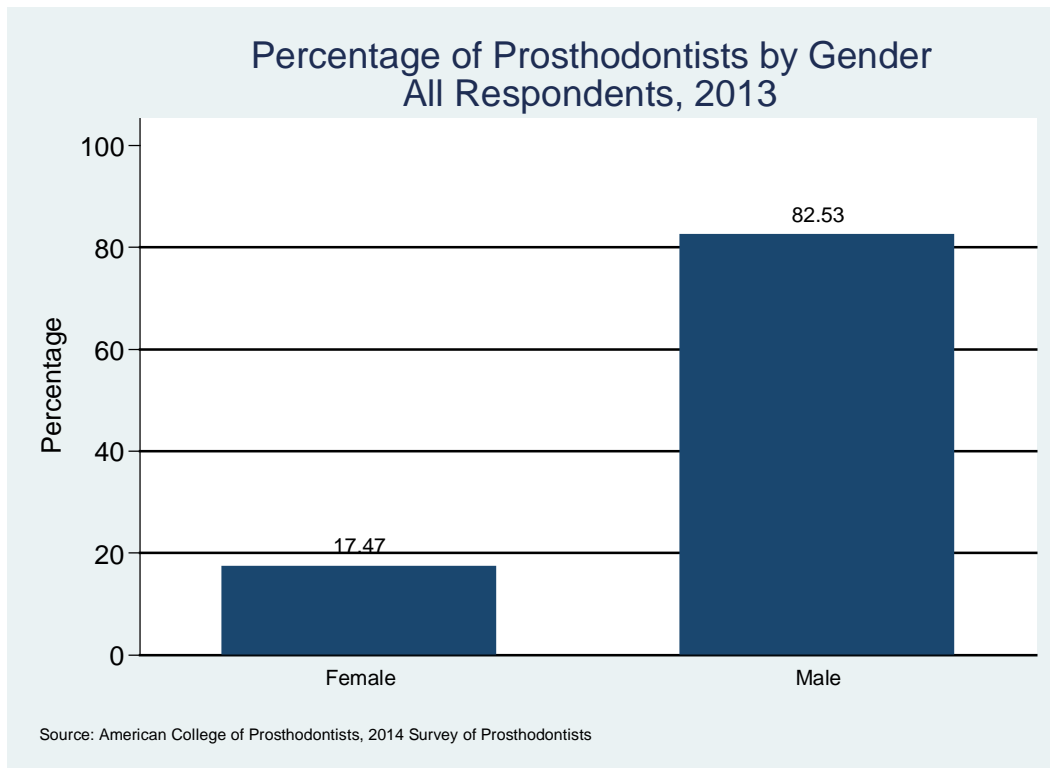
Respondents were, on average, about 26 years out from dental school graduation (either a US dental school or a non-US dental school). About 17% of respondents were less than 10 years and 16% were 40 or more years out from dental school. About 59% of respondents were 20-39 years since graduation from dental school. The overall average number of years since graduation from dental school was 26.14 years with a 95% confidence interval of plus or minus 1.42 years. Years since graduation and age are two variables that are used as indicators of experience although they are not exactly the same. Age is simply a demographic characteristic of prosthodontists regardless of when they graduated from dental school while years since graduation indicates a level of experience reflecting years of officially being a dentist.



Gender of Practicing Prosthodontists 2014 Survey of Prosthodontists

95%					
Confidence					
			Mean	Standard	Interval
Gender	Number	Percent	Age	Deviation	(+/-)
Female	105	17.47	44.52	9.83	4.54
Male	496	82.53	51.77	11.29	2.31
Total	601	100.00	50.64	11.38	2.10

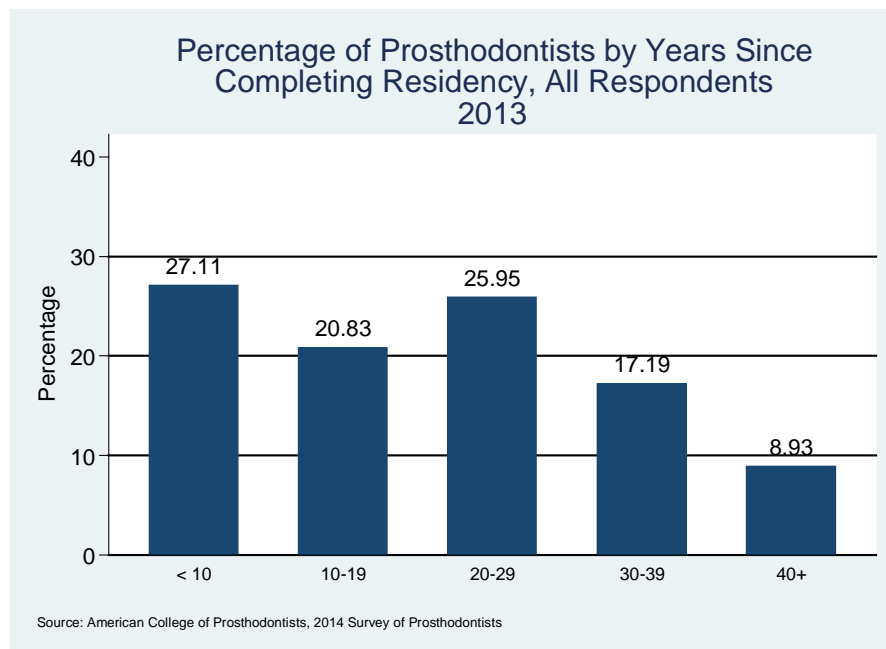
Most of the survey respondents were male with about 18% female. The 95% confidence interval for female age is about twice as large as the male interval.



Years Since Completion of Residency 2013

					95%
Years		Confidence			
Since		Mean	Standard		Interval
Residency	Number	Percent	Years	Deviation	(+/-)
< 10	164	27.11	3.38	2.85	0.44
10-19	126	20.83	14.55	2.74	0.48
20-29	157	25.95	24.23	3.04	0.48
30-39	104	17.19	34.21	2.84	0.55
40+	54	8.93	43.48	3.41	0.93
Total	605	100.00	20.00	13.36	1.06

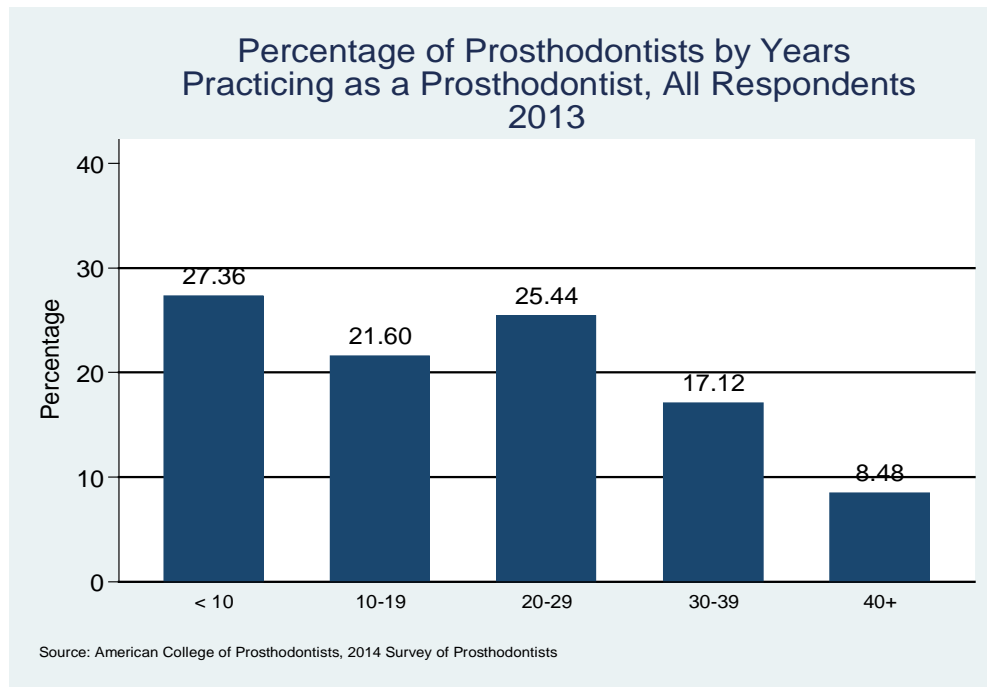
The average number of years since completion of residency training was 20.0 years for all respondents. This compared to 3.4 years for those who completed in the last 10 years and 43.5 years for those who completed their residency 40 or more years ago. About 43% of respondents completed residency 20-39 years ago. The overall average number of years since completing a residency was estimated to be 20 years with a 95% confidence interval of plus and minus 1.06 years. The difference between years since completion of residency and years since graduation from dental school is about 6 years. This difference suggests that, on average, prosthodontists practiced a few years as a dentist before entering their residency training.



Years Practicing as a Prosthodontist 2013

Years			95% Confidence Interval		
Practicing as Prosthodontist	Number	Percent	Mean Years	Standard Deviation	Interval (+/-)
< 10	171	27.36	3.16	2.89	0.44
10-19	135	21.60	14.77	2.79	0.48
20-29	159	25.44	24.19	3.00	0.47
30-39	107	17.12	34.20	2.91	0.55
40+	53	8.48	45.08	9.87	2.72
Total	625	100.00	19.89	13.85	1.08

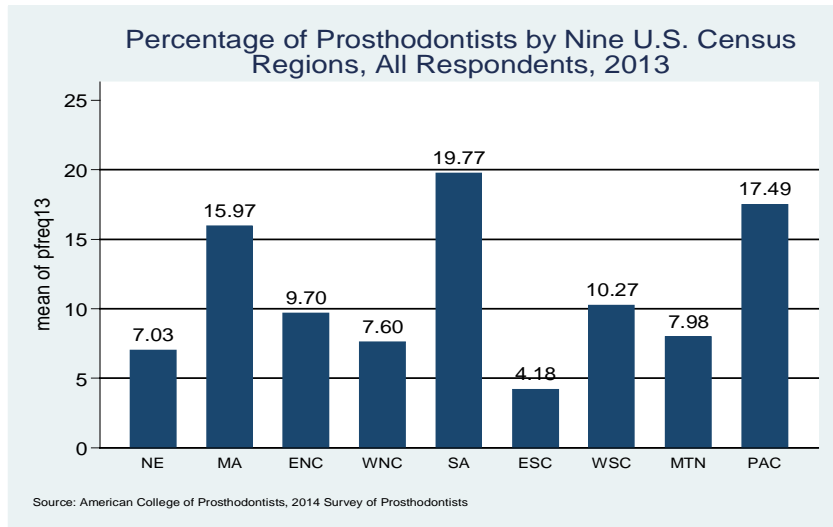
The respondents have been practicing an average of 19.9 years as a prosthodontist which corresponds to the average number of years since completion of residency training (see the previous page). About 47% of the respondents have been practicing 10-29 years as a prosthodontist. The overall average number of years practicing as a prosthodontist was estimated to be 19.9 years with a 95% confidence interval of plus or minus 1.08 years.



**Regional Location of Prosthodontists (Nine US Census Regions)
2014 Survey of Prosthodontists**

95% Confidence Interval					
Region	Number	Percent	Mean Age	Standard Deviation	Interval (+/-)
Northeast	35	6.26	52.6	13.53	4.51
Middle Atlantic	94	16.82	56.4	12.64	2.74
East North Central	53	9.48	51.0	12.57	3.53
West North Central	43	7.69	54.2	12.48	3.99
South Atlantic	123	22.00	50.6	11.87	2.31
East South Central	29	5.19	55.8	12.90	5.72
West South Central	66	11.81	49.9	14.35	3.92
Mountain	28	5.01	50.8	11.77	3.67
Pacific	88	15.74	54.0	14.14	2.93
Total	559	100.00	52.7	13.05	1.16

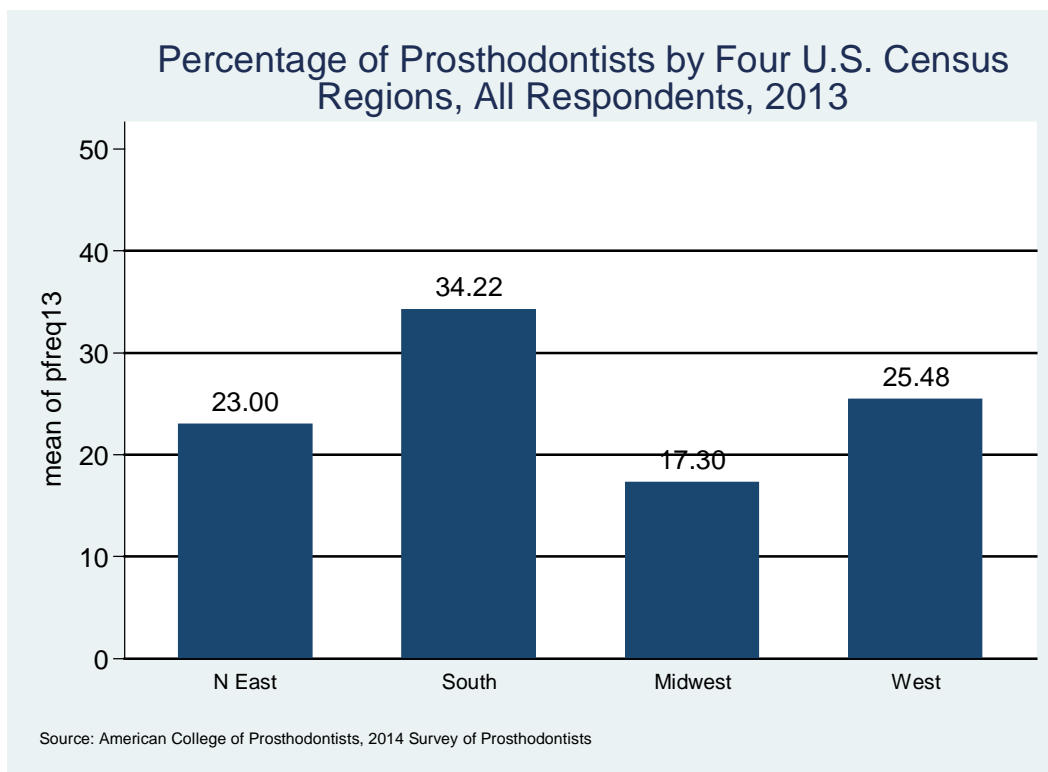
Most of the respondents (56%) practice in three regions of the country: Middle Atlantic, South Atlantic, and Pacific. An additional 12% of prosthodontists practice in the West South Central region. The average ages of prosthodontists are similar across the nine regions with the lowest average age of 48.6 years in the Northeast region and, the highest average age of 55.1 years in the South Atlantic region and 55.0 years in the Mountain region. The estimates of average age within regions are less reliable than the estimate of average age among all respondents. This lower reliability is due primarily to the lower sample sizes for each region.



**Regional Location of Prosthodontists (Four US Census Regions)
2014 Survey of Prosthodontists**

95% Confidence Interval					
Region	Number	Percent	Mean Age	Standard Deviation	Interval (+/-)
N East	121	23.00	55.3	12.98	2.34
South	180	34.22	51.0	12.84	1.89
Midwest	91	17.30	52.4	12.56	2.62
West	134	25.48	53.0	13.48	2.30
Total	526	100.00	52.7	13.05	1.16

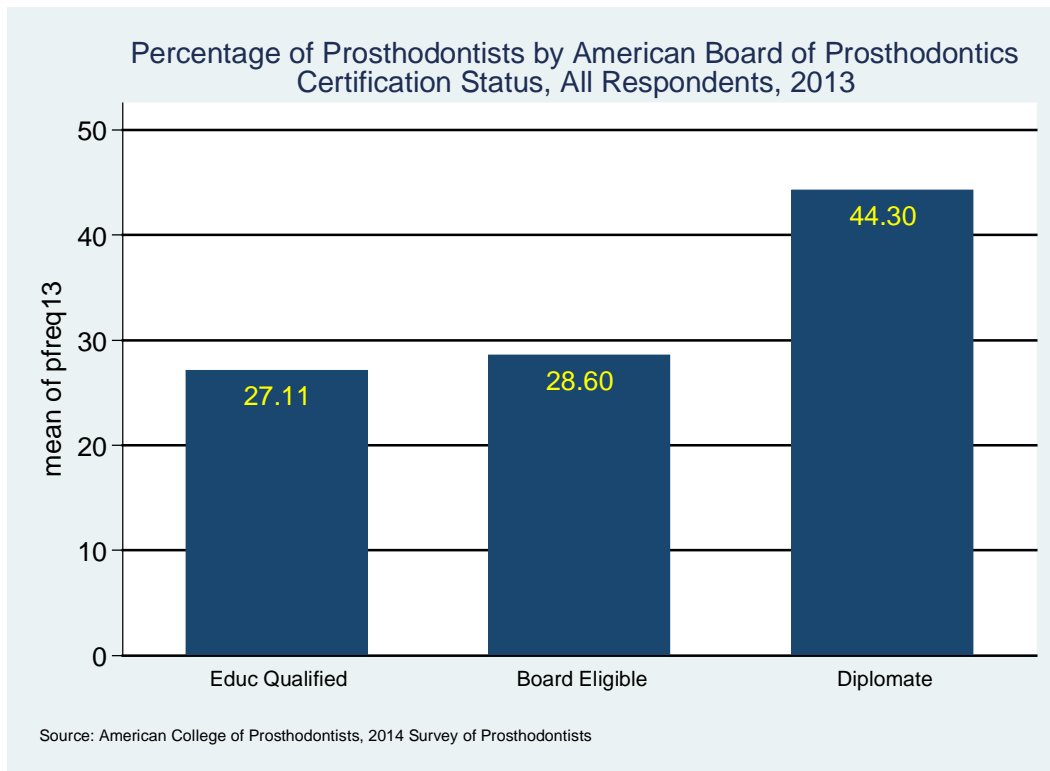
The largest percent of respondents (34%) reported they practiced in the South region of the U.S. The average age ranged from 51 years in the South region to 55 years in the North East region. The 95% confidence intervals for mean age for regions are all larger than the interval for the average age of all respondents. Compared to results from previous surveys (not shown here), there appears to be an increase in the percent of prosthodontists practicing in the South and a general decline in the percentage practicing in the Northeast.



**American Board of Prosthodontics, Certification Status, All Prosthodontists
2014 Survey of Prosthodontists**

95% Confidence Interval						
Certification Status		Number	Percent	Mean Age	Standard Deviation	Interval (+/-)
Educ Qualified		164	27.11	54.4	11.22	1.73
Board Eligible		173	28.60	47.4	12.48	1.87
Diplomate		268	44.30	54.8	14.11	1.70
Total		605	100.00	52.6	13.31	1.14

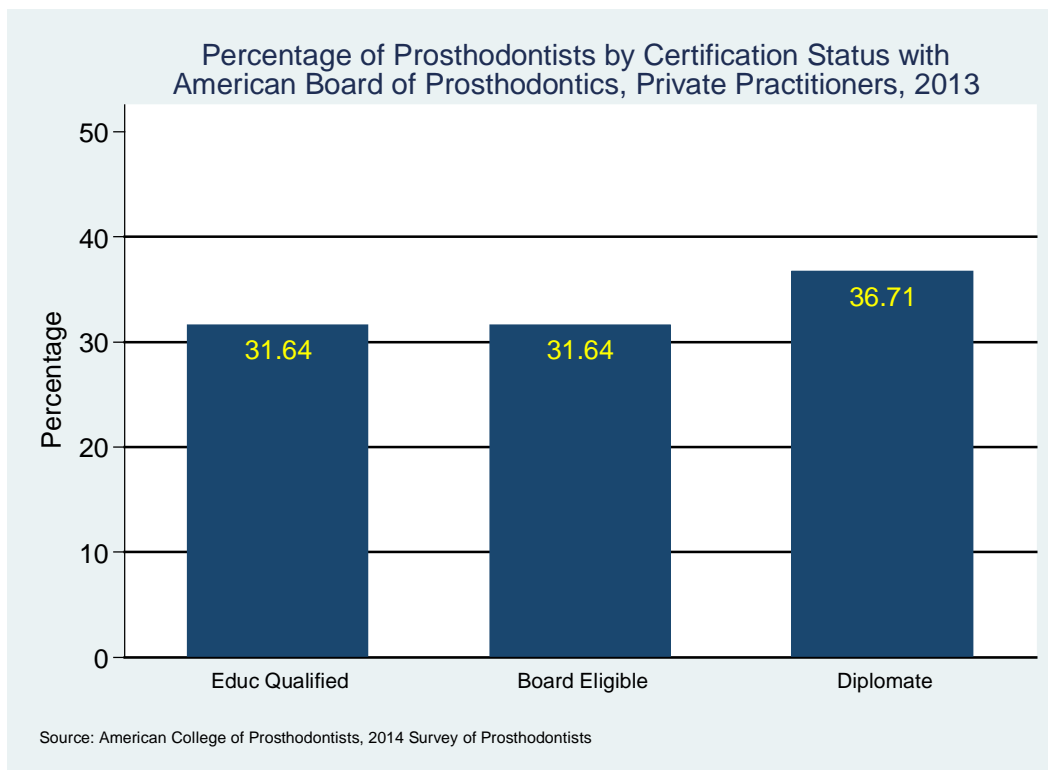
About 44% of respondents reported they had diplomate status with the American Board of Prosthodontics compared to 29% who were board eligible, and 27% who were educationally qualified. Examination of the ACP general membership database by staff indicated that 39% of all prosthodontists held diplomate certification status.



**American Board of Prosthodontics, Certification Status, Private Practitioners
2014 Survey of Prosthodontists**

					95%
					Confidence
Certification			Mean	Standard	Interval
Status	Number	Percent	Age	Deviation	(+/-)
Educ Qualified	131	31.64	53.6	10.90	1.88
Board Eligible	131	31.64	48.6	12.23	2.11
Diplomate	152	36.71	52.1	12.84	2.06
					0.00
Total	414	100.00	51.5	12.20	1.27

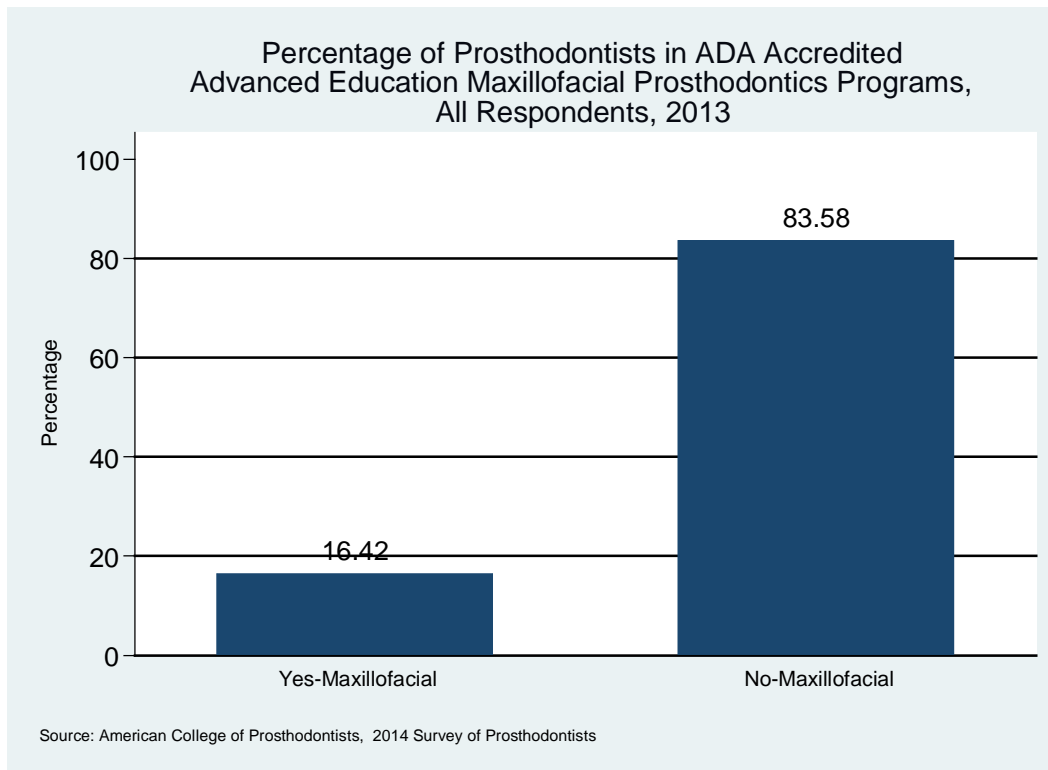
About 37% of respondents who were private practitioners indicated they were Diplomates with the American Board of Prosthodontics compared to 32% who were Educationally Qualified and 32% who were Board Eligible. Although, 64% of respondents indicated they were Educationally Qualified or Board Eligible. Additional information from the general membership database prepared by the staff of the ACP revealed that 31% of all private practicing prosthodontists had diplomate certification status.



**Completed ADA Accredited Program in Maxillofacial Prosthodontics
2014 Survey of Prosthodontists**

					95%
Maxillofacial Prosthodontics Program					Confidence Interval (+/-)
Program	Number	Percent	Mean Age	Standard Deviation	
Yes-Maxillofacial	100	16.42	54.3	11.80	2.34
No-Maxillofacial	509	83.58	52.3	13.66	1.19
					0.00
Total	609	100.00	52.6	13.39	1.09

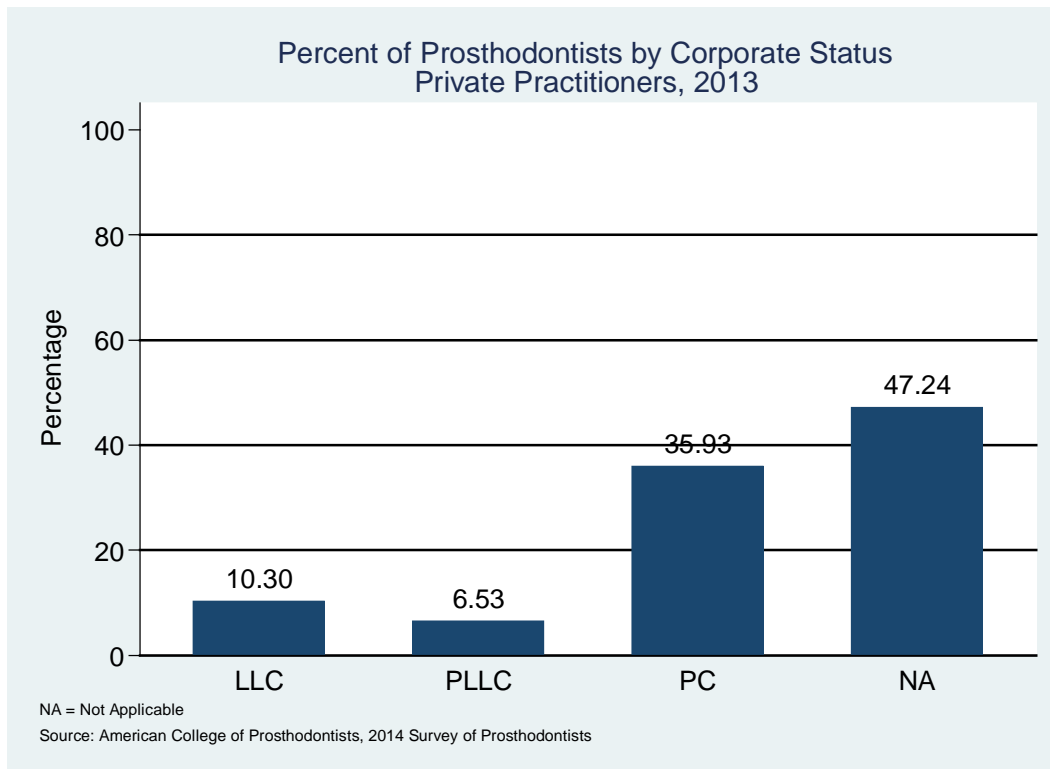
About 84% of respondents reported that they did not complete an ADA accredited advanced education program in Maxillofacial Prosthodontics.



**Percentage of Prosthodontists by Corporate Status
Private Practitioners, 2013**

					95%
					Confidence
Corporate			Mean	Standard	Interval
Status	Number	Percent	Age	Deviation	(+/-)
Limited Liability	41	10.30	48.9	11.34	3.58
Prof Limited Liability	26	6.53	45.0	12.15	4.91
Prof Corporation	143	35.93	52.8	10.79	1.79
Not Applicable	188	47.24	52.7	12.93	1.86
					0.00
Total	398	100.00	51.8	12.14	1.20

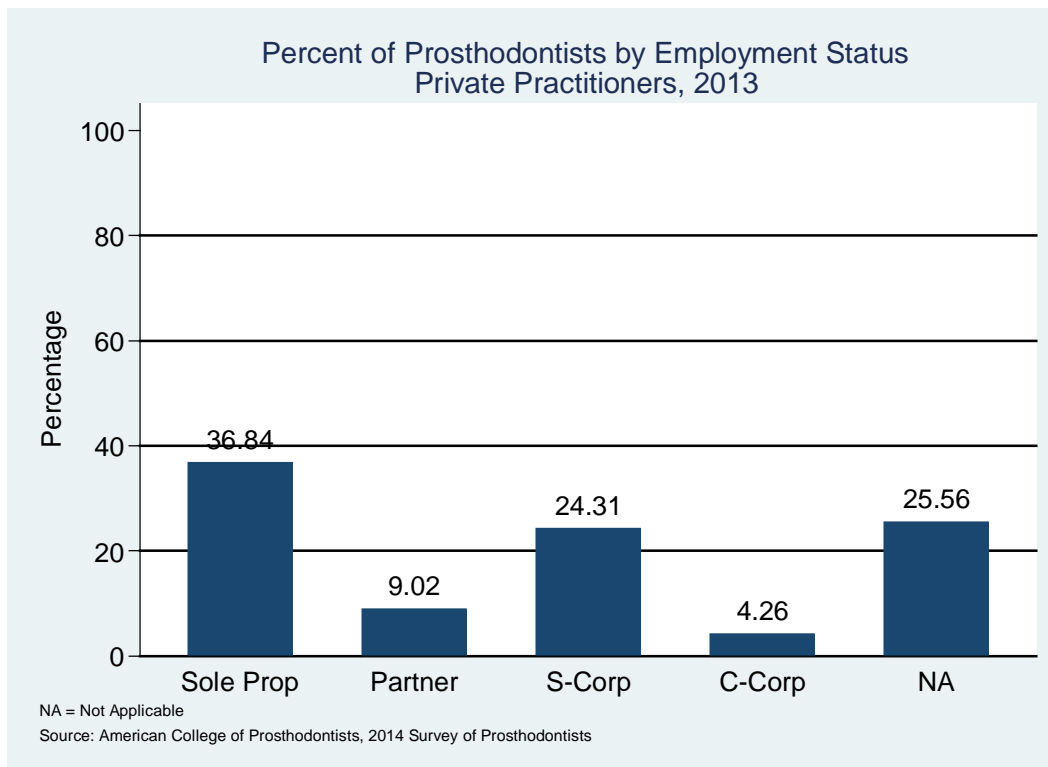
Fifty-three percent of respondents who were private practitioners indicated they were involved in one of three types of corporate arrangements shown in the table. The largest percentage (36%) reported they were in a Professional Corporation. Forty-seven percent of respondents indicated that they were not involved in any of the corporate arrangements shown in the table.



**Percentage of Prosthodontists by Employment Status
Private Practitioners, 2013**

95% Confidence Interval						
Employment Status		Number	Percent	Mean Age	Standard Deviation	Interval (+/-)
Sole Proprietor		147	36.84	54.2	11.28	1.84
Partnership		36	9.02	48.2	11.75	3.98
S-Corporation		97	24.31	51.2	12.27	2.49
C-Corporation		17	4.26	54.6	9.42	4.84
Not Applicable		102	25.56	49.7	13.13	2.58
Total		399	100.00	51.8	12.14	1.20

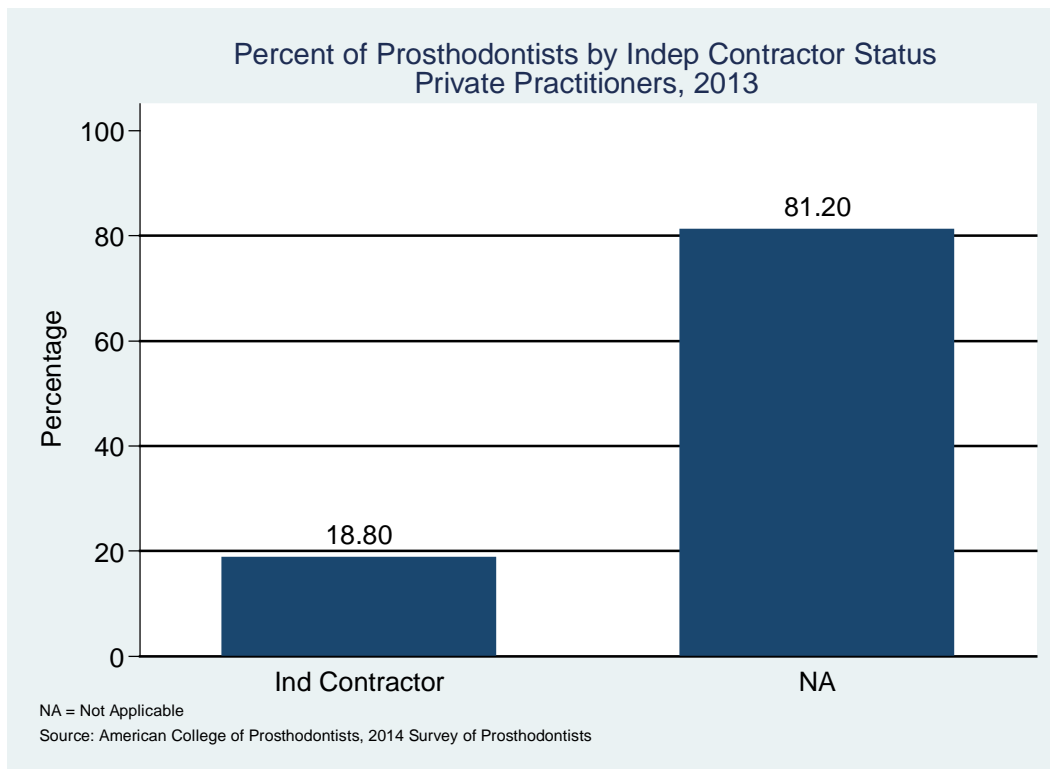
Seventy-four percent of respondents who were private practitioners indicated they were involved in one of three types of employment arrangements shown in the table. The largest percentage (37%) reported they were in a Sole Proprietorship. Twenty-six percent of respondents indicated that they were not involved in any of the employment arrangements shown in the table.



**Percentage of Prosthodontists by Independent Contractor Status
Private Practitioners, 2013**

					95%
Independent Contractor Status					Confidence Interval
Status	Number	Percent	Mean Age	Standard Deviation	Interval (+/-)
Independent Contractor	69	18.80	50.2	14.00	3.36
Not Applicable	298	81.20	52.6	11.49	1.31
Total	367	100.00	52.1	12.02	1.24

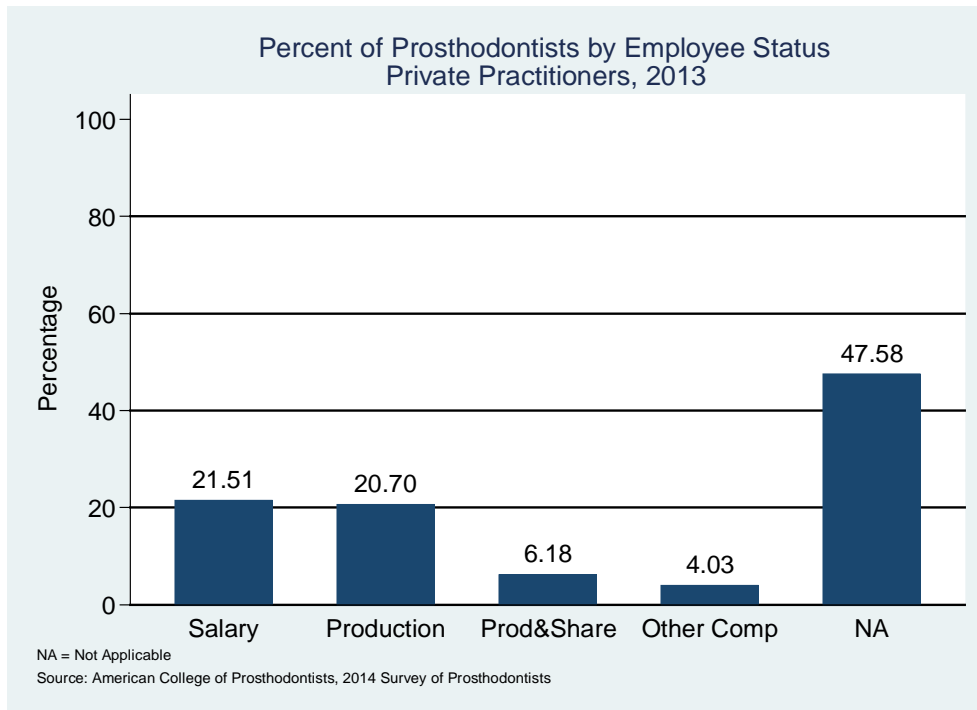
Nineteen percent of respondents who were private practitioners indicated they were independent contractors. Eighty-one percent of respondents indicated that they were not involved in independent contractor arrangements.



**Percentage of Prosthodontists by Type of Employee Status
Private Practitioners, 2013**

						95%
						Confidence
Employee			Mean	Standard	Interval	
Status	Number	Percent	Age	Deviation	(+/-)	
Salary	80	21.51	50.70886	11.48	2.57	
Percent Production	77	20.70	48.53247	14.41	3.27	
Production & Shareholder	23	6.18	48.86957	10.85	4.69	
Other Compensation	15	4.03	52.73333	14.17	7.85	
NA	177	47.58	53.88701	11.31	1.68	
Total	372	100.00	51.74124	12.29	1.25	

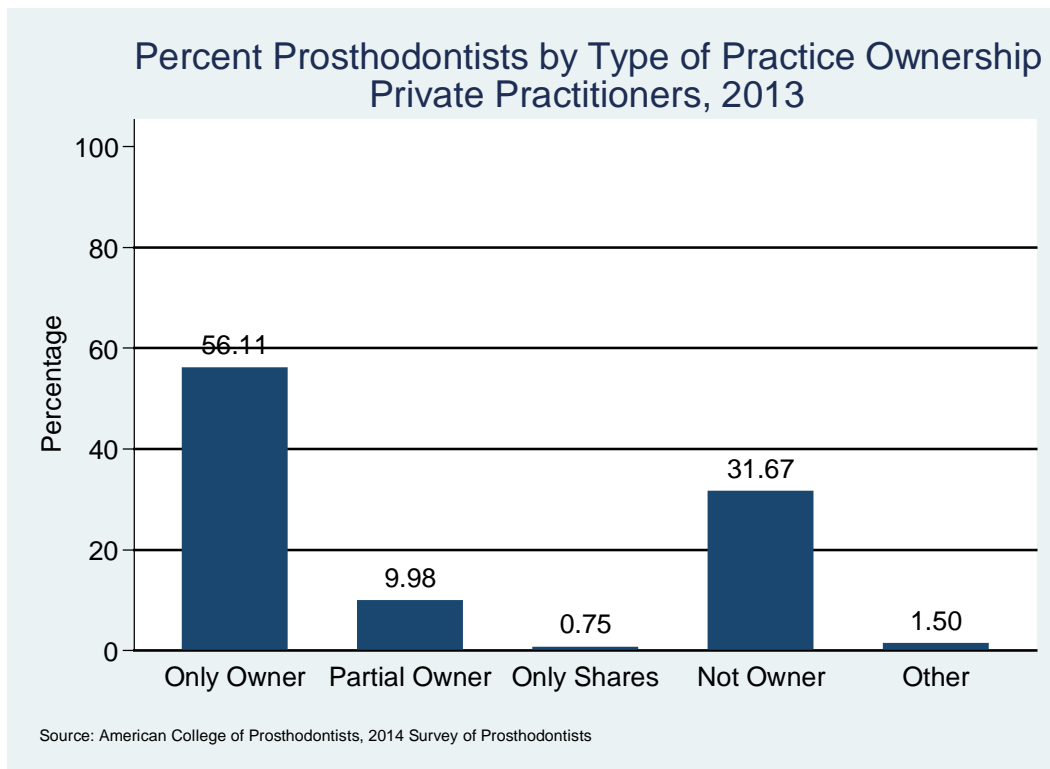
Fifty-two percent of respondents who were private practitioners indicated they were involved in one of four types of employee arrangements shown in the table. The largest percentage (22%) reported they were in a Salary employee arrangement and 21% described their employee arrangement was based on Percent of Production. Forty-eight percent of respondents indicated that they were not involved in any of the employment arrangements shown in the table.



**Percentage of Prosthodontists by Type of Practice Ownership
Private Practitioners, 2013**

95% Confidence					
Confidence					
Ownership			Mean	Standard	Interval
Status	Number	Percent	Age	Deviation	(+/-)
Only Owner	225	56.11	53.6	11.21	1.47
Partial Owner	40	9.98	48.4	10.90	3.49
Only Own Shares	3	0.75	58.0	5.00	12.42
Not an Owner	127	31.67	48.8	13.86	2.43
Other	6	1.50	55.3	11.99	12.59
Total	401	100.00	51.6	12.28	2.09

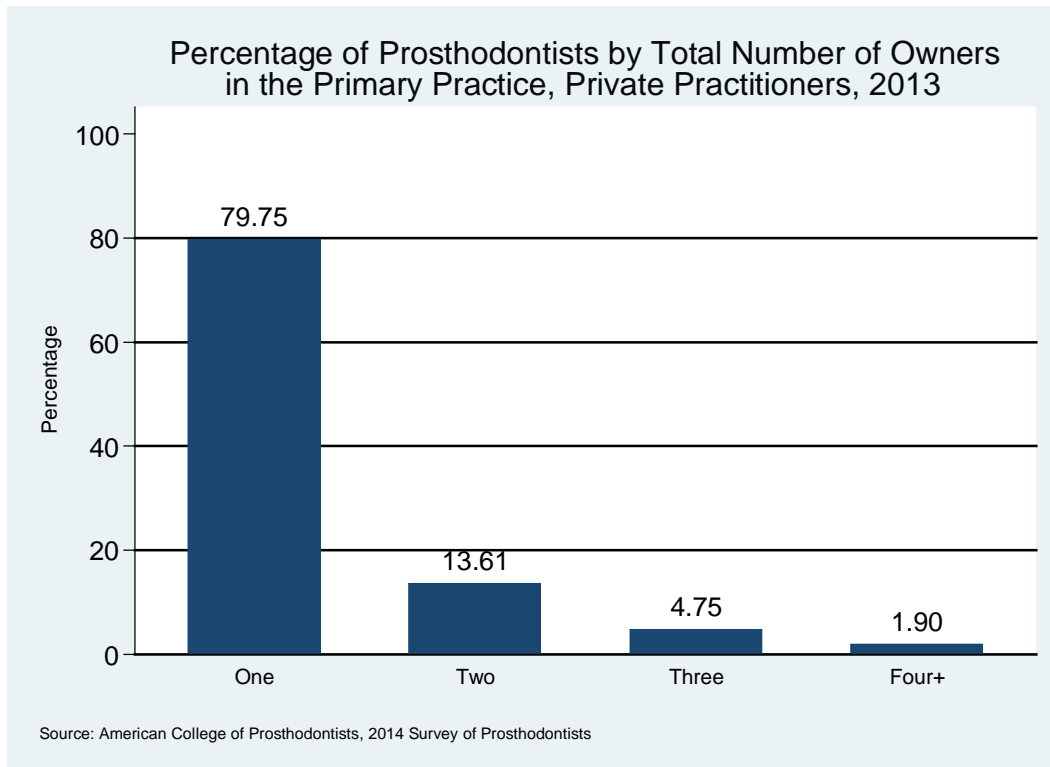
More than half (56%) of private practitioners indicated they were the Only Owner in their private practice. Another 32% reported they were not an owner in the practice. Based on the 95% confidence intervals shown in the table, the average age for those reporting Only Own Share or Other ownership shows lower reliability than age for the other ownership arrangements.



Percentage of Prosthodontists by Total Number of Owners in the Primary Practice, Private Practitioners, 2013

Number of Owners	Number	Percent	Mean Age	Standard Deviation
One	252	79.75	52.69	11.88
Two	43	13.61	47.33	11.48
Three	15	4.75	50.73	11.85
Four+	6	1.90	49.17	14.44
Total	316	100.00	51.80	11.97

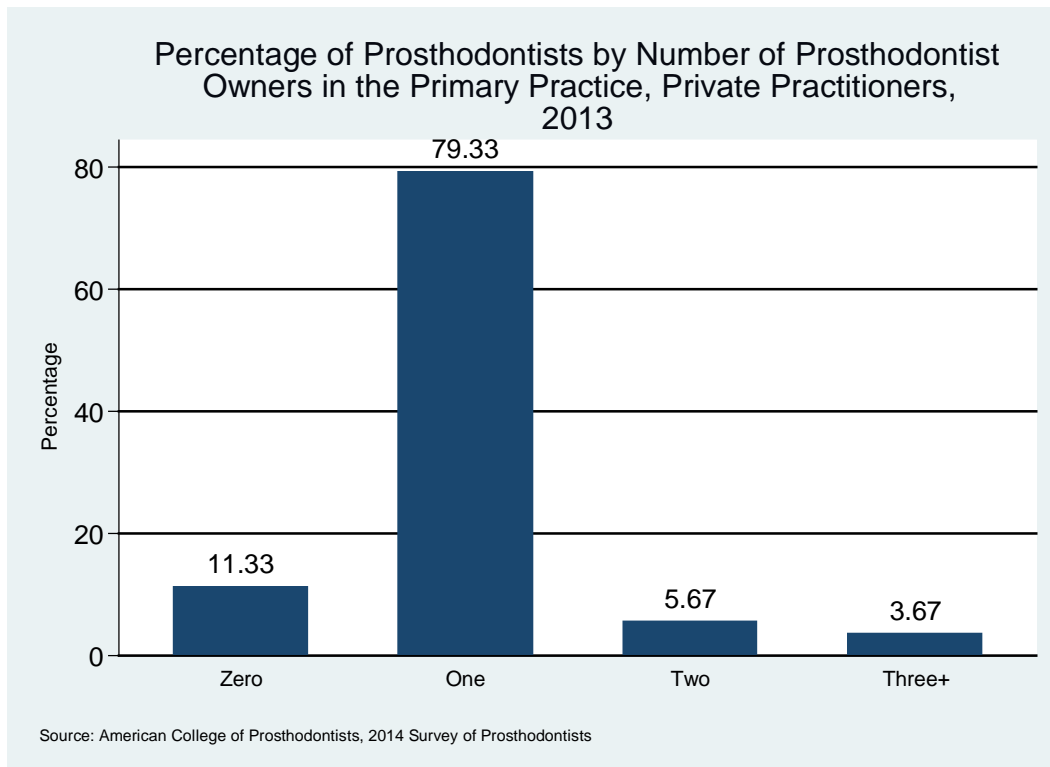
Eighty percent of private practitioners reported that their primary practice consisted of only one owner. Another 14% indicated they were in a practice with two owners. The 95% confidence interval around the mean number of owners of 1.34 was +/- 0.12 owners.



**Number and Percentage of Prosthodontists Who Are Owners in the Primary Practice,
by Size of the Primary Practice, Private Practitioners, 2013**

Number of Owners	Number	Percent	Mean	Standard
			Age	Deviation
Zero	34	11.33	47.3	14.58
One	238	79.33	51.7	11.52
Two	17	5.67	47.1	12.78
Three+	11	3.67	55.3	10.91
Total	300	100.00	51.0	12.03

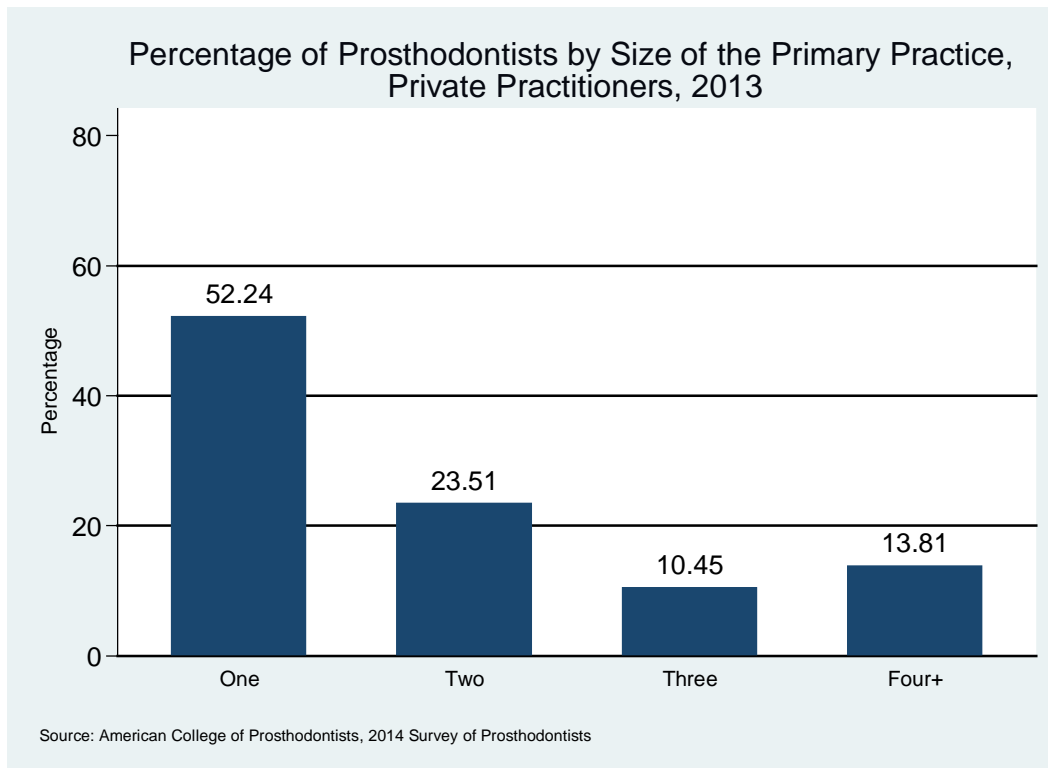
Almost 80% of respondents indicated they were the only owner in their primary practice. About 9% of prosthodontist respondents reported they were owner in practices with more than one prosthodontist owner. Eleven percent of the respondents reported there were no Prosthodontist owners of the practice. The 95% confidence interval for the mean number of prosthodontists (1.05 prosthodontists) was +/- 0.11.



**Percentage of Prosthodontists by Size of the Primary Practice,
Private Practitioners, 2013**

Size of the Practice	Number	Percent	Mean Age	Standard Deviation
One	140	52.24	52.4	10.54
Two	63	23.51	48.7	13.01
Three	28	10.45	46.2	12.20
Four+	37	13.81	49.1	13.20
Total	268	100.00	50.4	11.85

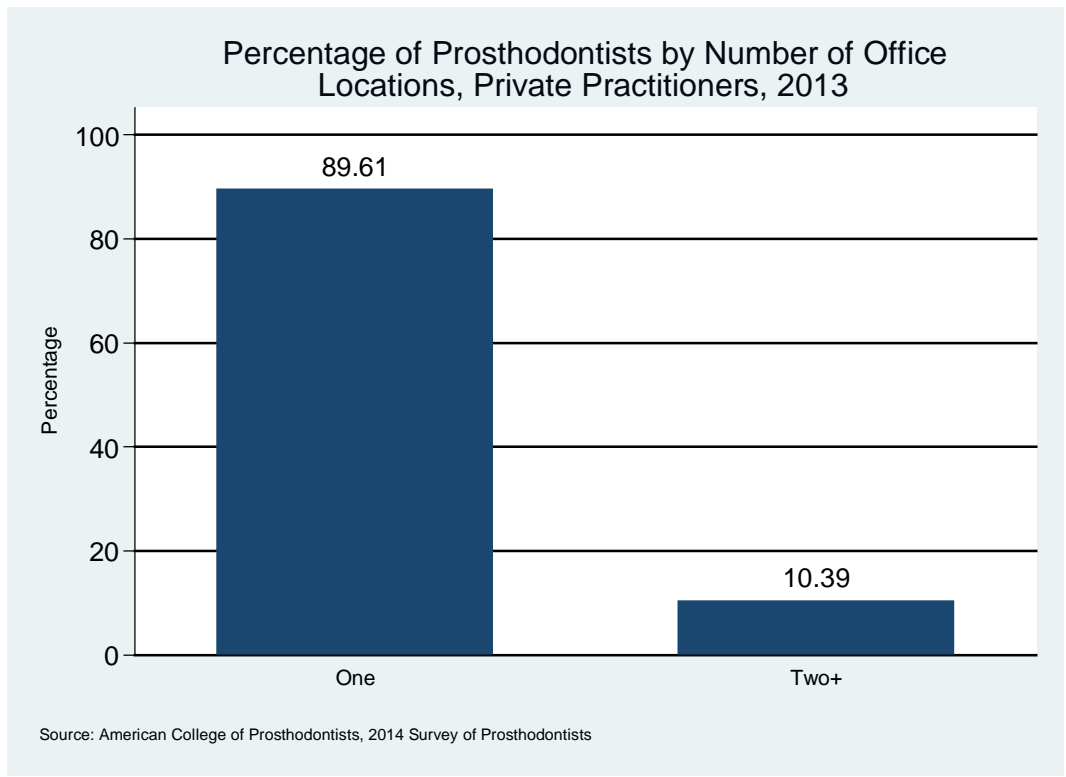
Size of the practice in this table refers to the total number of prosthodontists in the practice. Almost 52% of respondents indicated they were the only prosthodontist in the practice (i.e., one prosthodontist). About 34% of prosthodontist respondents reported they were in a practice with two or three prosthodontists. The 95% confidence interval for the mean number of prosthodontists (2.81 prosthodontists per practice) was +/- 1.14.



**Percentage of Prosthodontists by Number of Office Locations,
Private Practitioners, 2013**

Number of Locations	Number	Percent	Mean Locations	Standard Deviation
One	345	89.61	1	0
Two+	40	10.39	6.45	20.2002
Total	385	100	1.57672	6.71043
95% CI:	1.6	+/-	0.68	

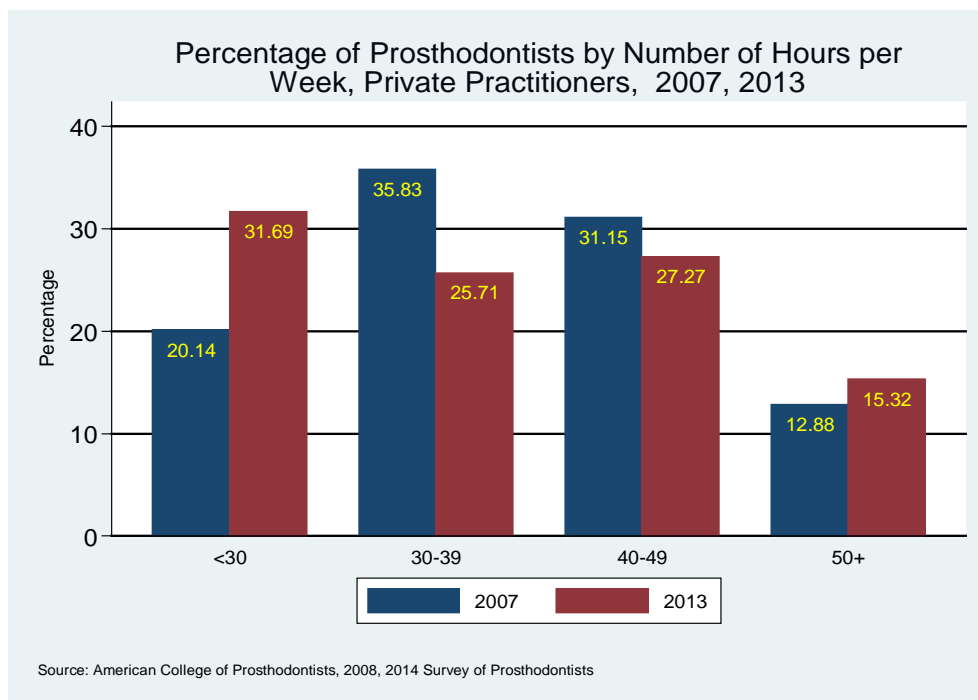
Ninety percent of the survey respondents reported that their practice consisted of only one office location. The overall average number of locations was 1.58 offices with a 95% confidence interval of plus and minus 0.68 offices. **Note:** The 95% confidence interval is calculated in this table only for the overall average number of office locations.



**Percentage of Prosthodontists by Number of Hours per Week
in the Practice, Private Practitioners, 2013**

Number of				
Hours per			Mean	Standard
Week	Number	Percent	Hours	Deviation
<30	122	31.69	14.96	8.16
30-39	99	25.71	33.10	2.57
40-49	105	27.27	41.59	2.48
50+	59	15.32	52.42	4.48
Total	385	100.00	32.63	14.45
95% CI:	32.6	+/-	1.4	

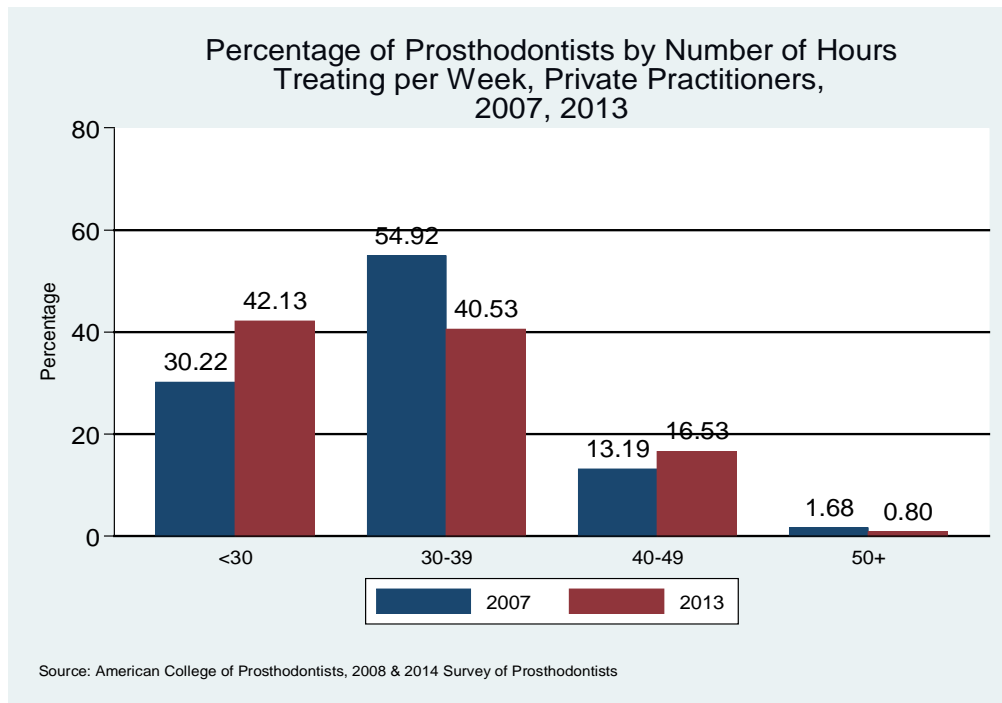
Respondents reported for 2010 an overall average of 32.6 hours per week in the office. About 32% of respondents reported they spend less than 30 hours per week and 15% reported spending 50 hours per week or more. The 95% confidence interval for the overall average number of hours is plus and minus 1.45 hours. There are some changes in hours per week since 2007 particularly in the “less than 30 hours” group (see the following chart). **Note:** The 95% confidence interval is calculated in this table only for the overall hours per week in the office.



Percentage of Prosthodontists by Number of Hours per Week Treating Patients, Private Practitioners, 2013

Number of				
Hours Treating			Mean	Standard
per Week	Number	Percent	Hours	Deviation
<30	158	42.13	16.5	8.64
30-39	152	40.53	33.19	2.67
40-49	62	16.53	41.09	2.13
50+	3	0.8	51.67	2.89
Total	375	100	27.61	11.6
95% CI:	27.6	+/-	1.2	

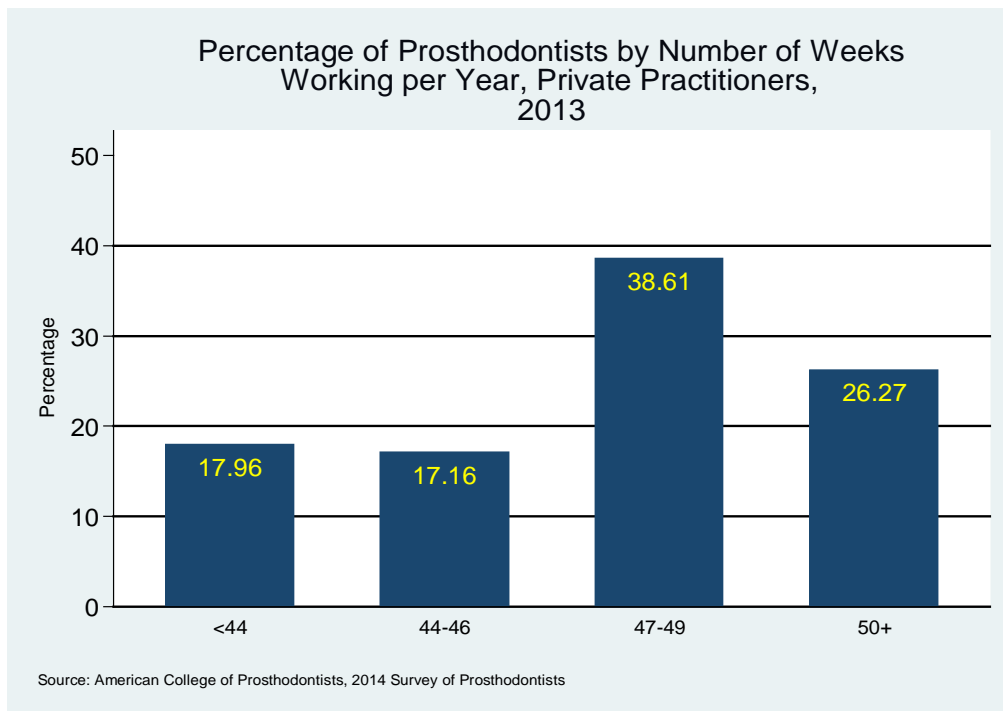
Respondents reported an overall average of 27.6 hours per week treating patients. Almost 42% of respondents reported they spend less than 30 hours per week and one percent reported spending 50 hours per week or more. The overall average hours (treating patients) has a 95% confidence interval of plus and minus 1.57 hours treating per week. Changes have occurred in the number of hours treating patients since 2007 (see the following chart). **Note:** The 95% confidence interval is calculated for the overall hours per week treating patients.



**Percentage of Prosthodontists by Number of Weeks Worked per Year,
Private Practitioners, 2013**

Number of				
Weeks Worked			Mean	Standard
per Year	Number	Percent	Weeks	Deviation
<44	67	17.96	30.79	13.12
44-46	64	17.16	45.23	0.73
47-49	144	38.61	48.19	0.58
50+	98	26.27	50.39	0.74
Total	373	100.00	45.14	8.88
95% CI:	45.1	+/-	0.9	

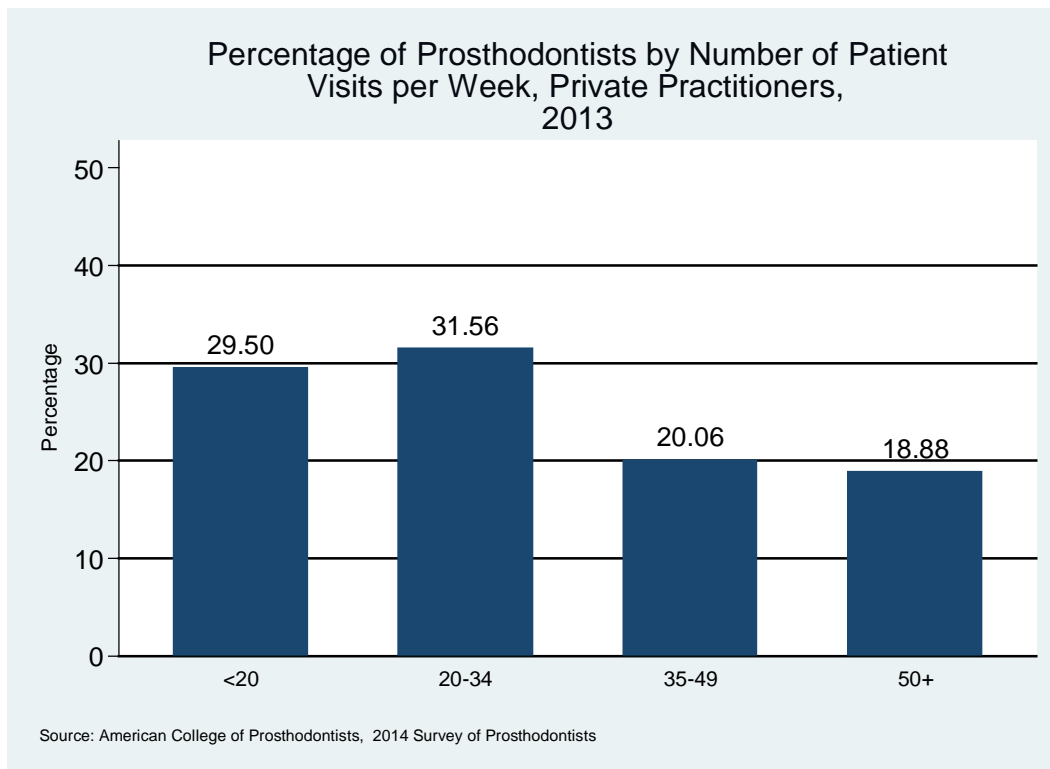
Respondents reported an average of 45.1 weeks per year in the practice. About 18% of respondents reported they spend less than 44 weeks per year in the office and 27% reported spending 50 weeks per year or more. The overall average of 45.1 weeks includes a 95% confidence interval of plus and minus 0.91 weeks per year. The average number of weeks for those working less than 44 weeks has a 95% confidence interval of plus and minus 3.20 weeks. **Note:** The 95% confidence interval is calculated for the overall weeks worked per year.



**Percentage of Prosthodontists by Number of Patient Visits per Week,
Private Practitioners, 2013**

Number of				
Patient Visits			Mean	Standard
per Week	Number	Percent	Visits	Deviation
<20	100	29.50	9.14	5.23
20-34	107	31.56	26.02	4.30
35-49	68	20.06	40.13	3.75
50+	64	18.88	76.14	67.81
Total	339	100.00	33.33	37.68
95% CI:	33.3	+/-	4.0	

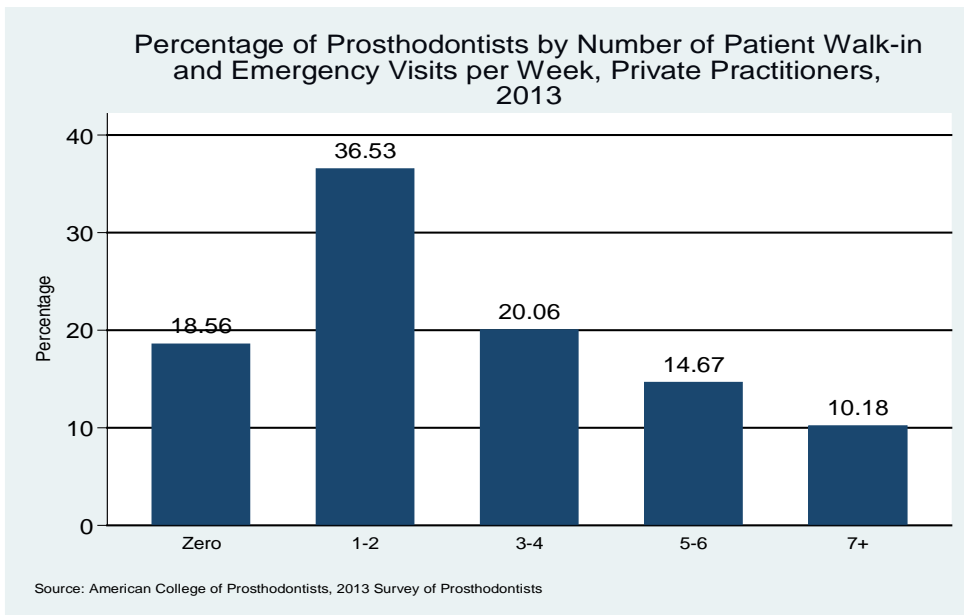
The average number of patient visits treated per week was reported to be 33 patients. The largest percentage of prosthodontists (32%) reported treating 20-34 patient visits per week. About 30% reported treating less than 20 patients per week and about 19% reported treating 50 or more visits per week. The overall average number of patient visits was 33.3 visits with a 95% confidence interval of plus and minus 4.03 visits. **Note:** The 95% confidence interval is calculated for the overall patients treated per week.



Percentage of Prosthodontists by Number of Walk-in and Emergency Patient Visits Treated per Week, Private Practitioners, 2013

Number of				
Emergency-				
Walkin			Mean	Standard
Visits			Visits	Deviation
per Week	Number	Percent		
Zero	62	18.56	0.04	0.13
1-2	122	36.53	1.55	0.50
3-4	67	20.06	3.46	0.50
5-6	49	14.67	5.18	0.39
7+	34	10.18	12.38	7.57
Total	334	100.00	3.29	4.23
95% CI:	3.3	+/-	0.5	

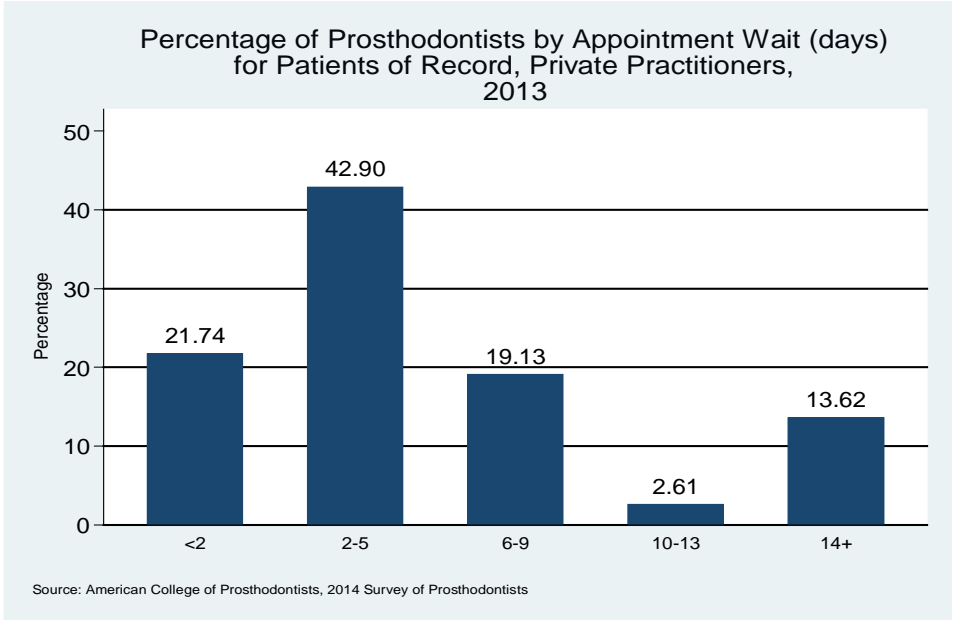
Emergency and walk-in visits are a relatively small part of all patient visits per week. Almost 19% of respondents reported no emergency and walk-in visits per week. The average number of emergency and walk-in visits was estimated to be 3.3 visits per week with a 95% confidence interval of plus and minus 0.46walk-in and emergency visits. **Note:** The 95% confidence interval is calculated for the overall average walk-in and emergency visits per week.



Percentage of Prosthodontists by Appointment Wait (days), for Patients of Record, Private Practitioners, 2013

Appointment				
Wait Time,				
Patients of Record in Days	Patients of Record		Mean	Standard
	Number	Percent	Days	Deviation
<2	75	21.74	0.77	0.45
2-5	148	42.90	3.34	1.18
6-9	66	19.13	6.97	0.30
10-13	9	2.61	10.50	1.00
14+	47	13.62	23.81	21.00
Total	345	100.00	6.45	10.60
95% CI:	6.5	+/-	1.1	

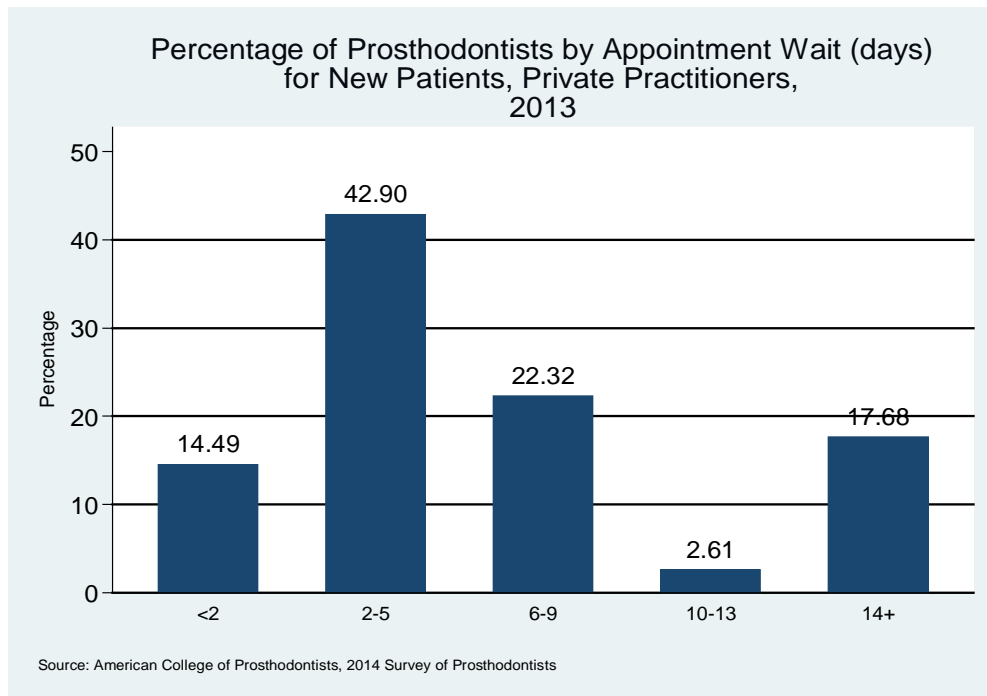
Respondents reported that, on average, their patients waited an average of 6.5 days for an appointment with a 95% confidence interval of plus or minus 0.8 days. Forty-three percent indicated their patients of record waited 2-5 days and 22% reported their patients waited less than 2 days. Fourteen percent of prosthodontists reported their patients of record waited 14 days or more. The overall average number of days waiting for an appointment was 6.45 days with a 95% confidence interval of plus and minus 1.12 days. **Note:** The 95% confidence interval is calculated for the overall average days waiting for appointment.



Percentage of Prosthodontists by Appointment Wait (days), for New Patients, Private Practitioners, 2013

Appoint				
Wait Time,				
New Patients			Mean	Standard
in Days	Number	Percent	Days	Deviation
<2	50	14.49	0.67	0.5
2-5	148	42.9	3.43	1.13
6-9	77	22.32	6.98	0.42
10-13	9	2.61	10.17	0.5
14+	61	17.68	22.15	18.33
Total	345	100	7.31	10.55
95% CI:	7.3	+/-	1.1	

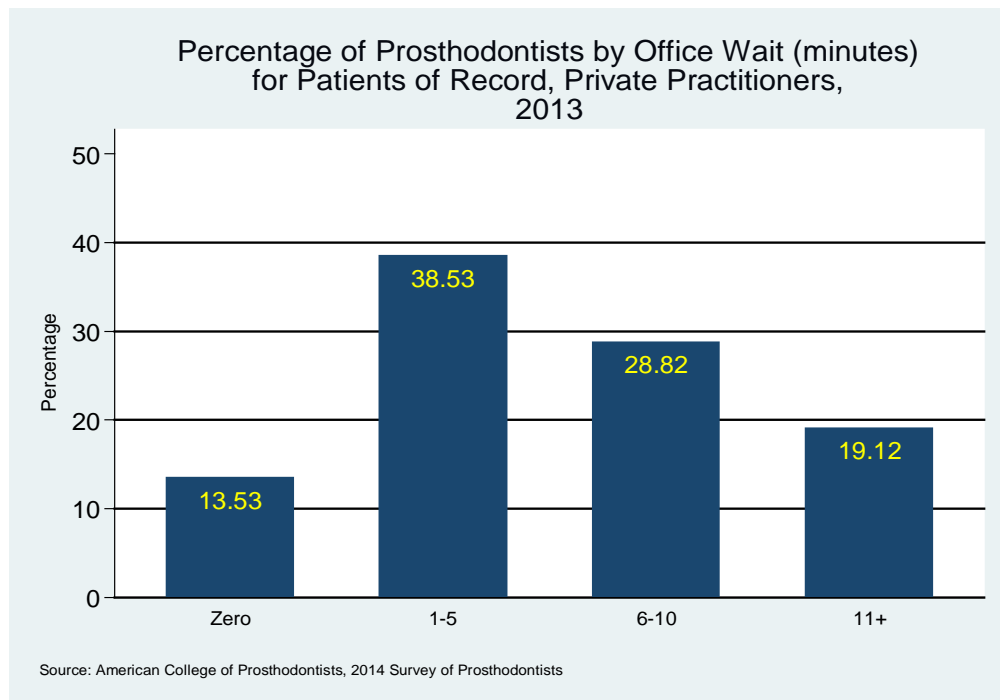
The average number of days waiting for an appointment by new patients was reported by respondents as 7.3 days with a 95% confidence interval of plus or minus 1.12 days. About 14% respondents reported the appointment wait for new patients was less than 2 days and 18% reported new patients waited 14 days or more. **Note:** The 95% confidence interval is calculated for the overall average days waiting for appointment.



**Percentage of Prosthodontists by Office Waiting by Patients of Record,
(minutes), Private Practitioners, 2013**

Office				
Wait Time,				
Patient of Record		Mean	Standard	
in Minutes	Number	Percent	Minutes	Deviation
Zero	46	13.53	0	0
1-5	131	38.53	4.4	1.26
6-10	98	28.82	9.69	0.84
11+	65	19.12	16.71	4.3
Total	340	100	7.68	5.77
95% CI:	7.7	+/-	0.6	

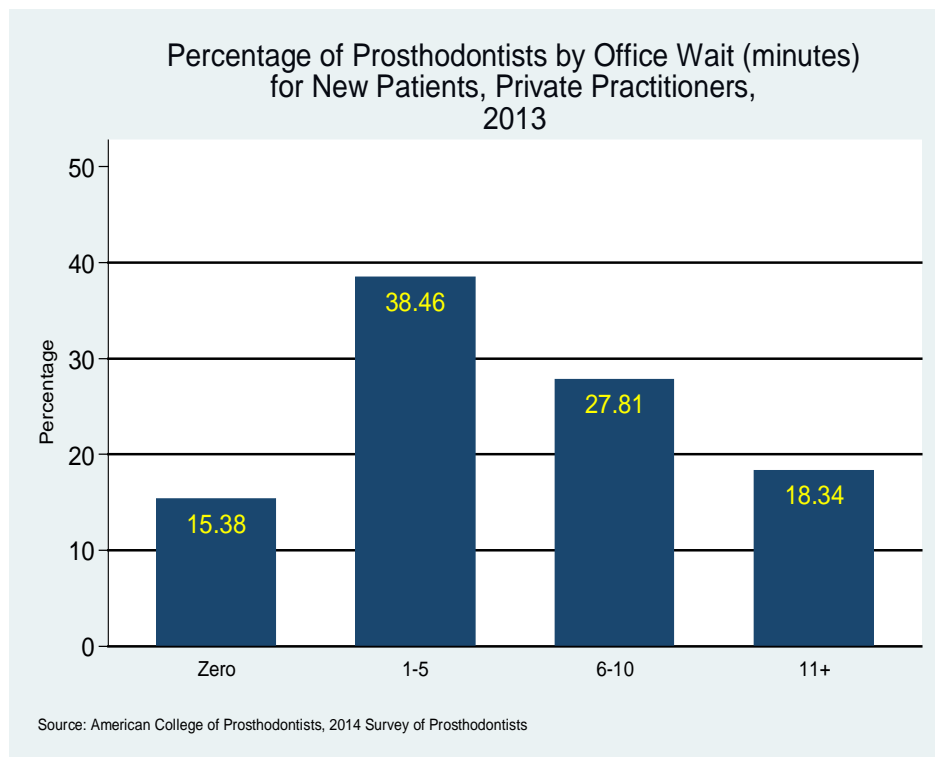
Respondents reported that, on average, patients of record waited in the office about 7.7 minutes when they arrived for their appointment with a 95% confidence interval of plus or minus 0.62 minutes. Fourteen percent of respondents indicated that patients of record waited in the office zero minutes and 19% reported they wait 11 minutes or more for their appointment. .



Percentage of Prosthodontists by Office Wait Time for New Patients (minutes), Private Practitioners, 2013

Office				
Wait Time,				
New Patient			Mean	Standard
in Minutes	Number	Percent	Minutes	Deviation
Zero	52	15.38	0	0
1-5	130	38.46	4.39	1.31
6-10	94	27.81	9.66	0.9
11+	62	18.34	16.58	4.05
Total	338	100	7.42	5.72
95% CI:	7.4	+/-	0.6	

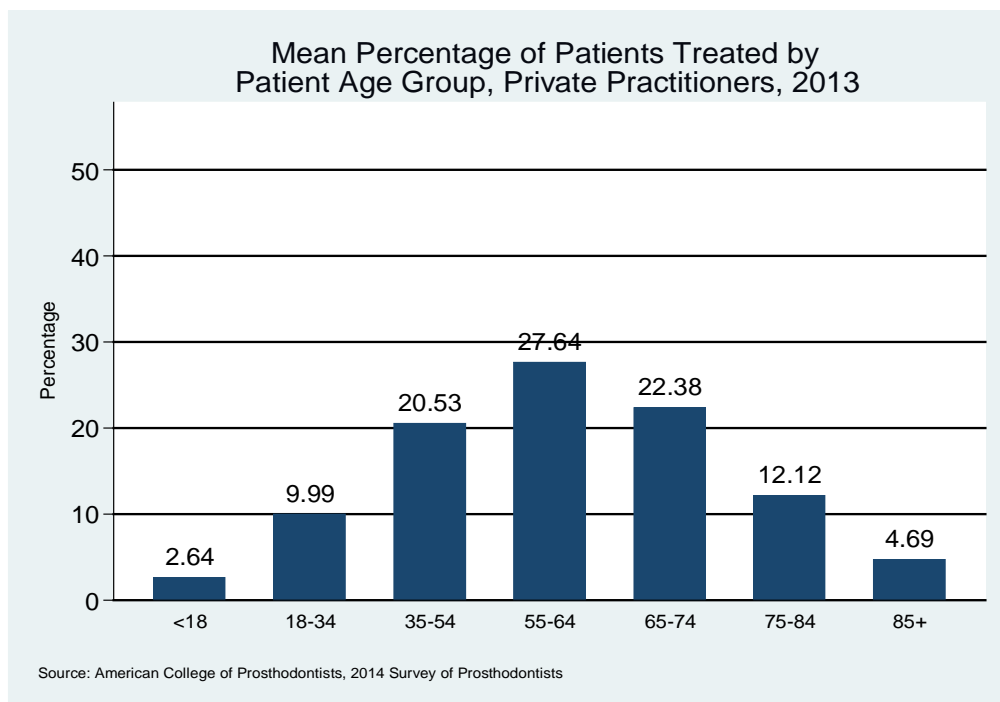
The average number of minutes new patients wait in the office for their appointment was reported by respondents to be 7.4 minutes with a 95% confidence interval of plus or minus 0.61 minutes. Fifteen percent of respondents reported new patients waited zero minutes while 17% reported their new patients waited 11 minutes or more. **Note:** The 95% confidence interval is calculated for the overall average minutes waiting in the office



**Percentage of Patients Treated by Prosthodontists by Patient Age Group,
Private Practitioners, 2013**

95%				
Patient				Confidence
Age Group	Mean %	Standard Deviation %	Number	Interval (+/-)
<18	2.64	3.83	301	0.43
18-34	9.99	8.83	301	1.00
35-54	20.53	10.11	301	1.26
55-64	27.64	11.42	301	1.30
65-74	22.38	11.19	301	1.27
75-84	12.12	10.31	301	1.17
85+	4.69	6.85	301	0.78

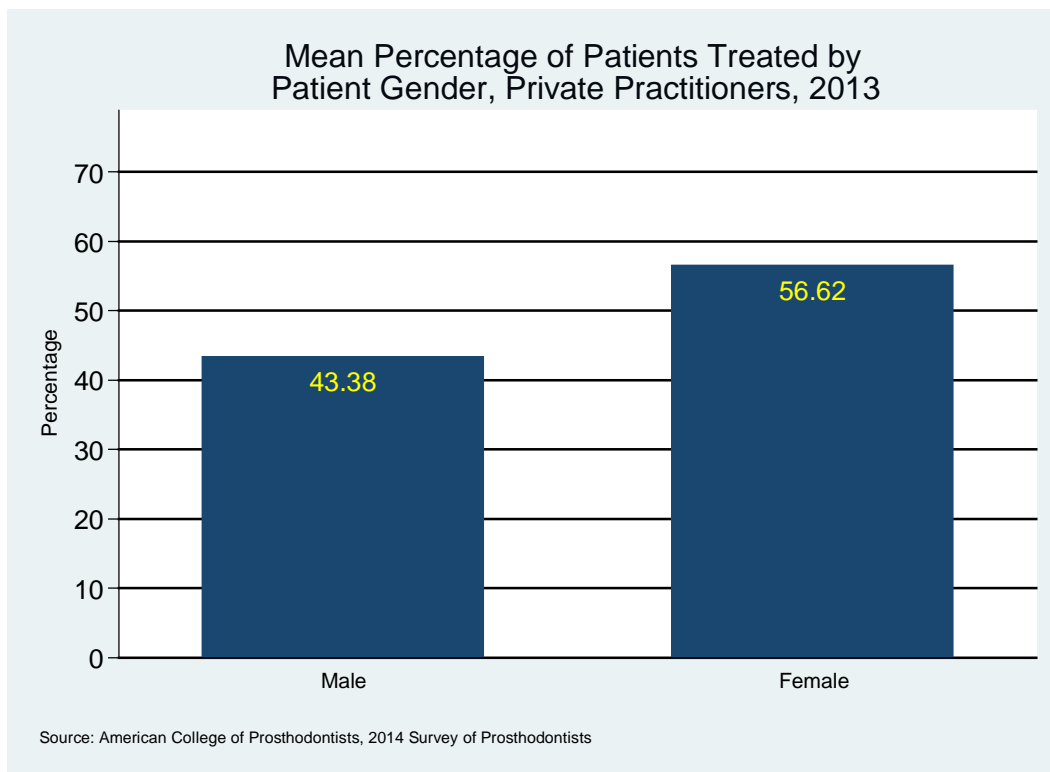
About 28% of prosthodontist patients are 55-64 years of age. Sixty-seven percent of patients were reported to be 55 years and older while 33% are younger than 55 years of age. Only about 3% of prosthodontists' patients are younger than 18 years. The Mean % column contains estimates of the mean percentage for each age group. The 95% confidence intervals range from plus or minus 0.44% for the less than 18 years to plus or minus 1.3% for the 55-64 age group.



**Percentage of Patients Treated by Prosthodontists by Patient Gender,
Private Practitioners, 2013**

				95%
Patient			Standard	Confidence
Gender	Mean %	Deviation %	Number	Interval
Male	43.38	10.86	302	1.23
Female	56.62	10.86	302	1.23

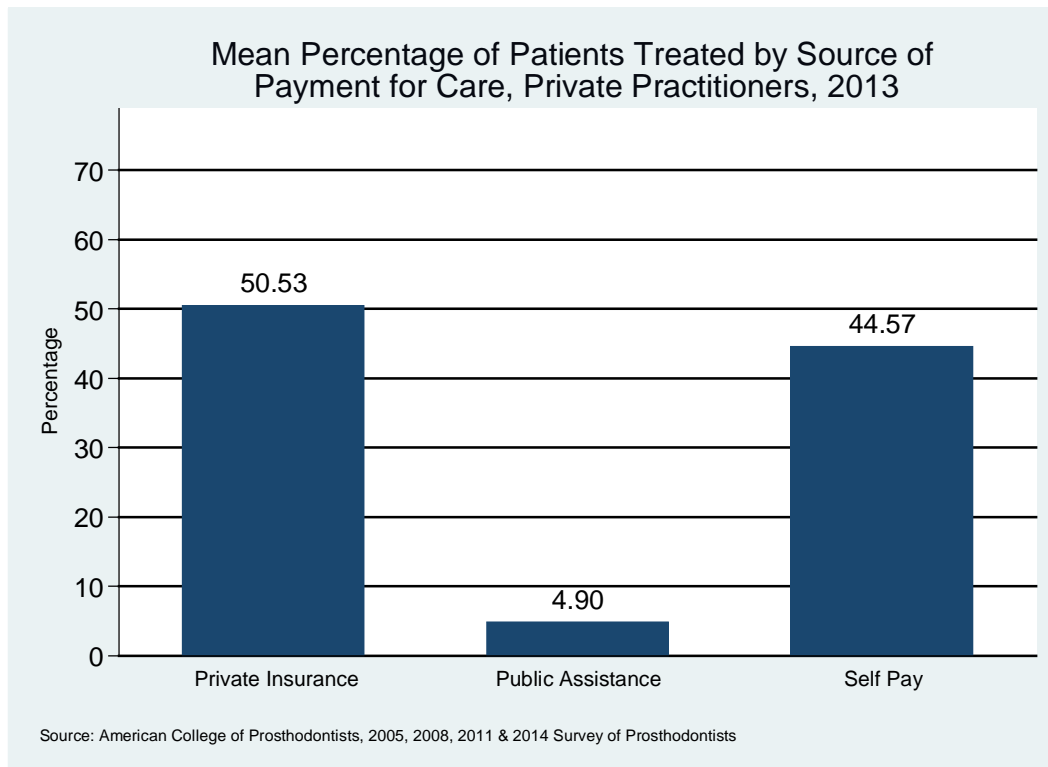
Respondents reported on average that 57% of their patients were female and 43% were male patients.



**Percentage of Patients Treated by Prosthodontists by Source of Payment for Care,
Private Practitioners, 2013**

				95%
Patient	Standard	Confidence		
Type Coverage	Mean %	Deviation %	Number	Interval
Private Insurance	50.53	25.77	293	2.96
Public Assistance	4.90	14.27	293	1.64
Self Pay	44.57	26.67	293	3.07

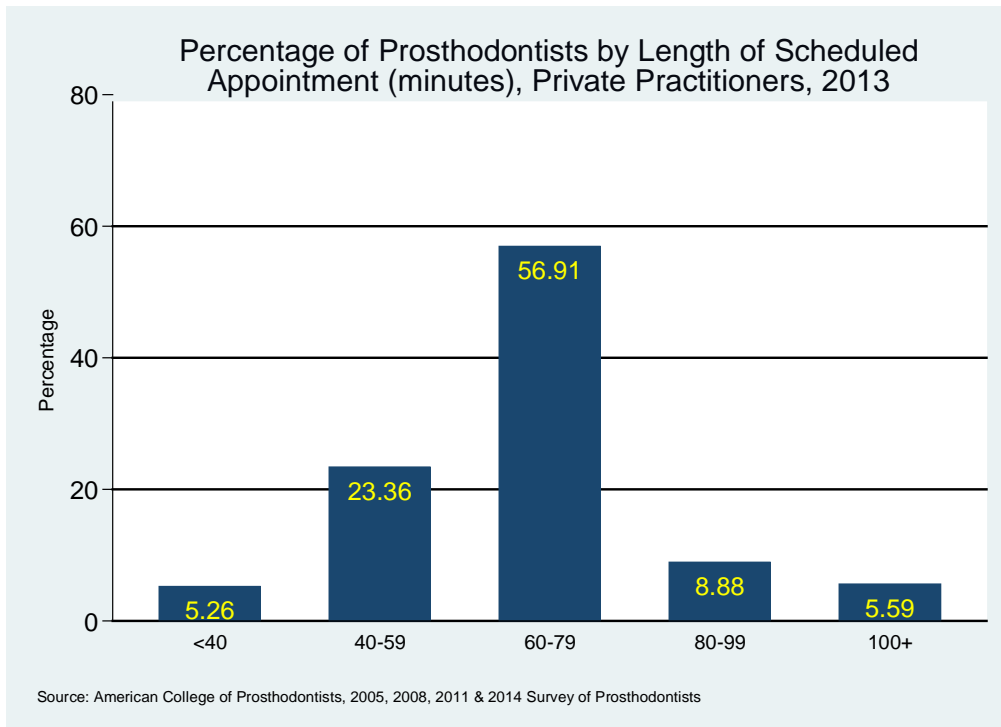
Most patients of prosthodontists are either covered by private insurance (51%) or self-pay patients (45%). Only about 5% of patients were reported to be covered by public assistance (e.g., Medicaid). The 95% confidence interval for the average percent of coverage ranged from plus or minus 1.6 percentage points for public assistance to 3.1 percentage points for self pay.



Mean Length of a Scheduled Appointment, Private Practitioners, 2013

					95%
Scheduled Appointment					Confidence
(minutes)	Number	Percent	Mean Minutes	Standard Deviation	Interval (+/-)
<40	16	5.26	22.75	11.82	6.30
40-59	71	23.36	44.82	3.17	0.75
60-79	173	56.91	61.04	3.71	0.56
80-99	27	8.88	90.00	0.00	0.00
100+	17	5.59	122.94	17.95	9.23
Total	304	100.00	61.27	21.51	2.43

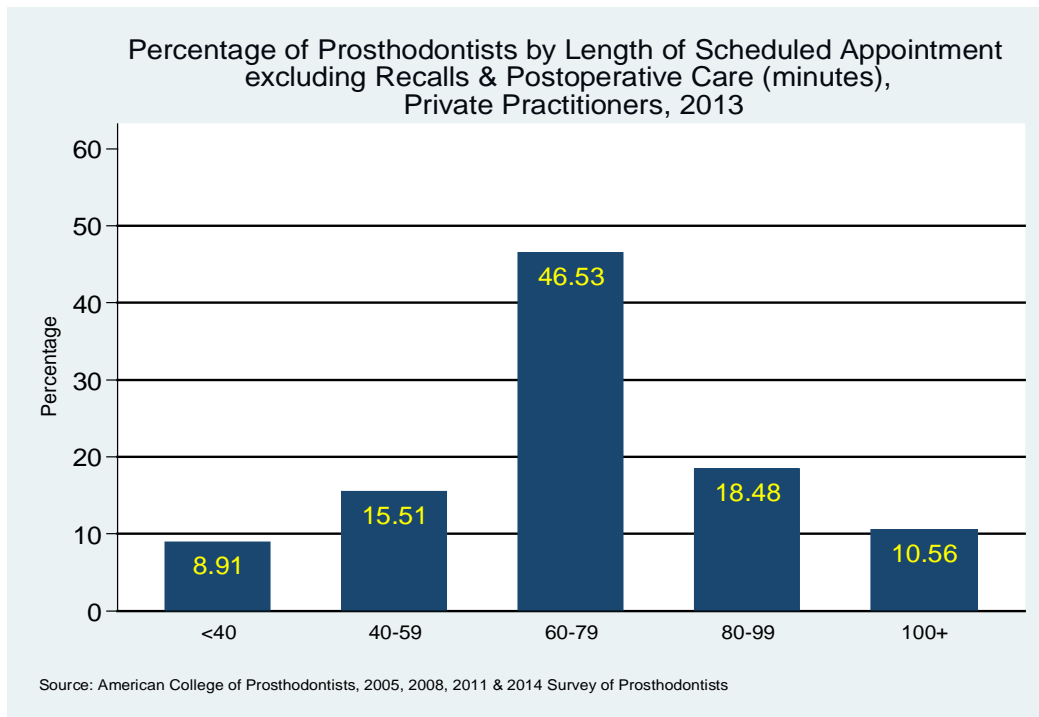
The average length of a scheduled appointment was reported by respondents to be about 61 minutes (1 hour, 1 minute) with a 95% confidence interval of plus and minus 2.4 minutes. Less than 10% of respondents indicated their scheduled appointment length was less than 40 minutes. Six percent of respondents also reported a scheduled appointment for 100 minutes or more (1 hour, 40 minutes or more). The mean values estimated from the extreme groups in the table (i.e., <40 and 100+) are less reliable estimates compared to the overall mean number of minutes or for the other categories shown in the table.



**Mean Length of a Scheduled Appointment excluding Recalls and Postoperative Care,
Private Practitioners, 2013**

Scheduled Appointment			95% Confidence Interval		
No Recalls (minutes)	Number	Percent	Mean Minutes	Standard Deviation	Interval (+/-)
<40	27	8.91	21.70	12.91	5.11
40-59	47	15.51	45.00	3.46	1.02
60-79	141	46.53	62.09	5.01	0.84
80-99	56	18.48	89.64	1.87	0.50
100+	32	10.56	140.47	48.03	17.32
Total	303	100.00	69.21	34.60	3.91

Excluding recall and postoperative care, respondents reported an average of 69 minutes (1 hour, 9 minutes) for the length of an appointment with a 95% confidence interval of plus and minus 3.9 minutes. Twenty-four percent of respondents reported an appointment length of less than 60 minutes and 11% indicated a scheduled appointment of 100 or more minutes. Forty-seven percent of respondents set scheduled appointments excluding recalls and postoperative care in the range of 60-79 minutes.

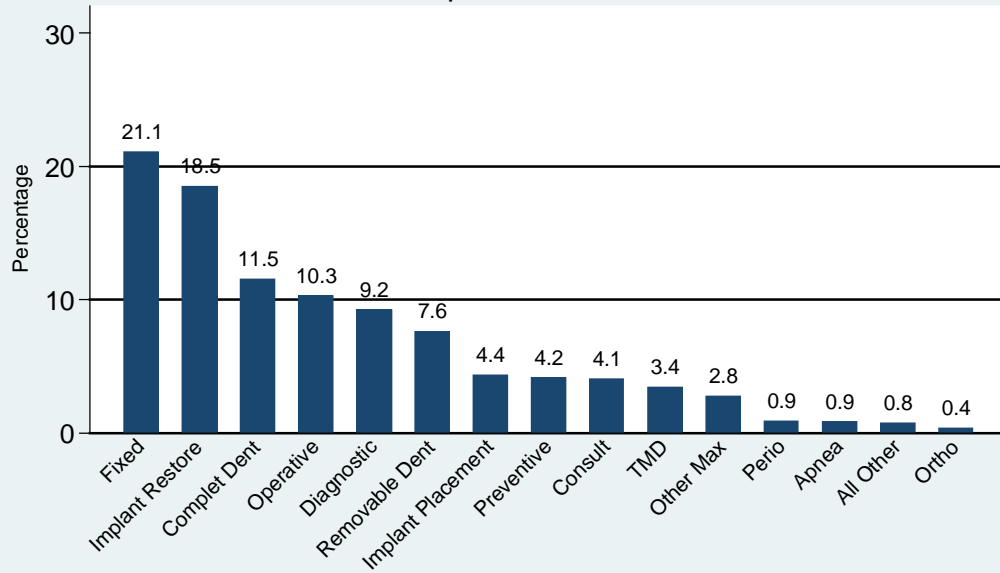


**Mean Percentage of Prosthodontist Time Treating Patients by Dental Procedures,
Private Practitioners, 2013**

Procedure Group	Mean		Number	95%
	Percent Time	Standard Deviation		Confidence
				Interval (+/-)
Fixed Prosthodontic	21.08	12.87	104	2.50
Implant Restore	18.52	11.58	104	2.25
Complete Denture	11.55	9.83	104	1.91
Operative	10.29	9.74	104	1.89
Diagnostic	9.22	7.06	104	1.37
Removable Denture	7.63	5.72	104	1.11
Implant Placement	4.38	7.95	104	1.55
Preventive	4.16	3.88	104	0.75
Consulting	4.07	5.00	104	0.97
TMD	3.42	13.78	104	2.68
Other Maxillofacial	2.77	10.57	104	2.05
Periodontics	0.92	2.62	104	0.51
Apnea	0.86	1.80	104	0.35
All Other	0.76	2.32	104	0.45
Orthodontics	0.38	1.81	104	0.35

Respondents indicated that they spend the largest percentage of their treatment time providing fixed prosthodontics services. The five procedures taking most of a prosthodontists' time included fixed prosthodontics (21%), implant restorations (19%), complete dentures (12%), operative dentistry (10%) and diagnostic services (9%) [see chart on the next page]. The 95% confidence intervals shown in the table range from a low of plus/minus 0.35% for orthodontics to plus/minus 2.68% for TMD.

Mean Percentage of Prosthodontist Time in Treatment by Procedure Groups, Private Practitioners, 2013

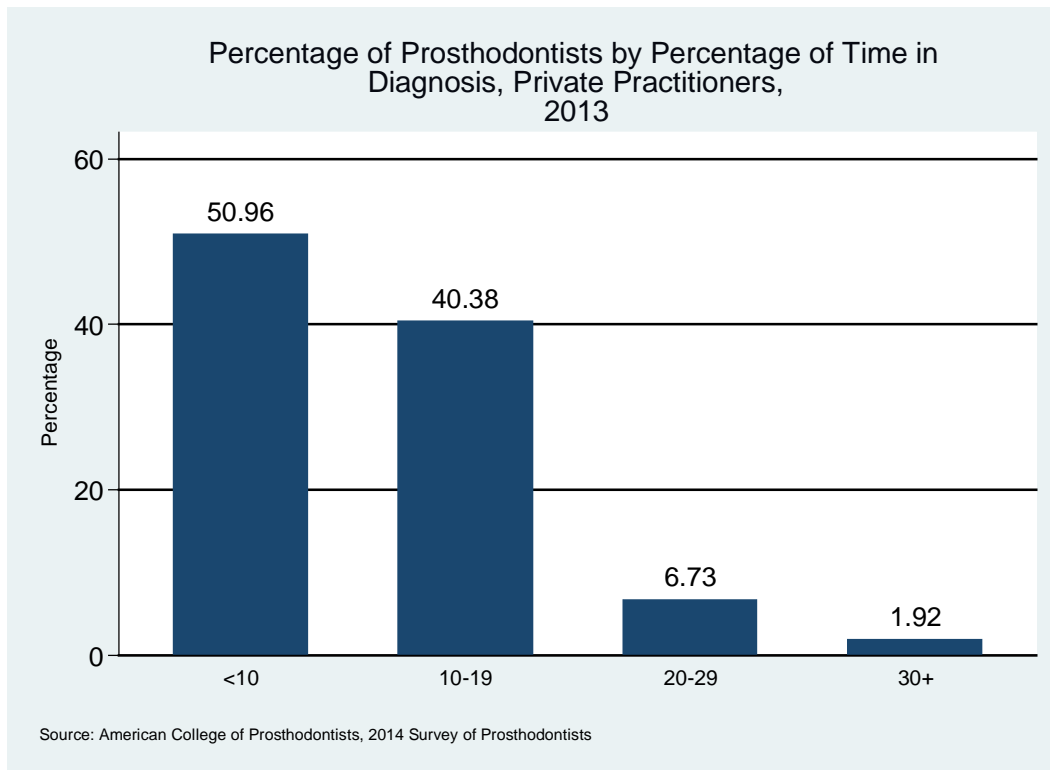


Source: American College of Prosthodontists, 2014 Survey of Prosthodontists

**Selected Procedures: Percent of Time Rendering Diagnostic Procedures
Private Practitioners, 2013**

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	53	50.96	4.22	2.78
10-19	42	40.38	12.32	3.15
20-29	7	6.73	20.00	0.00
30+	2	1.92	39.05	1.35
Total	104	100.00	9.22	7.06
95% CI:	9.22	+/-	1.37	

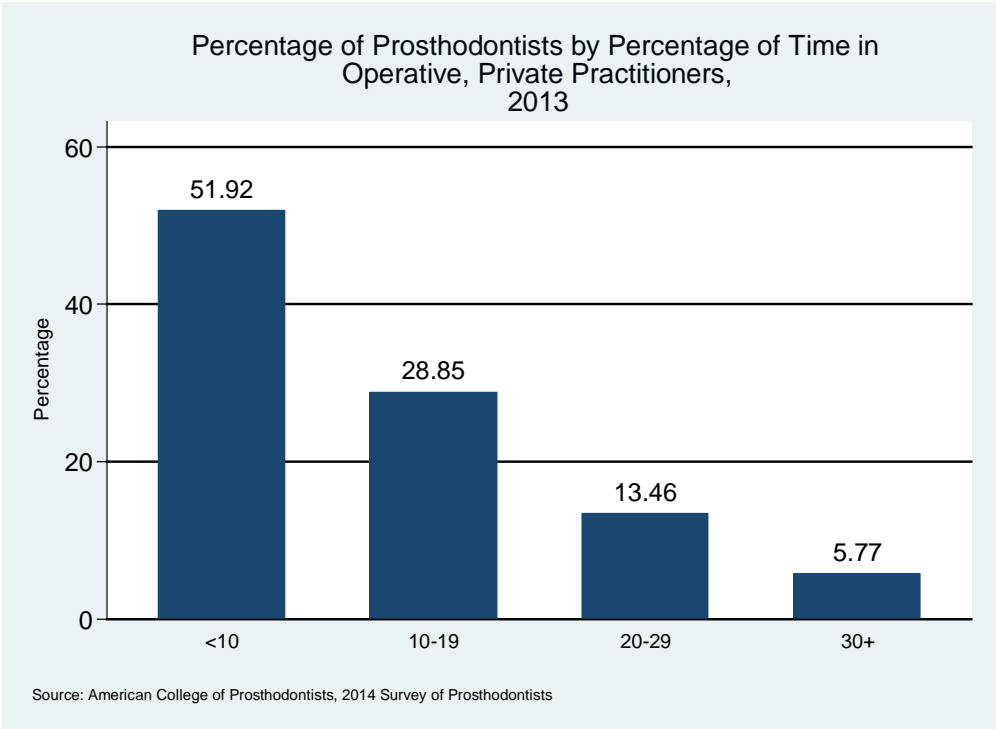
More than 90% of respondents reported they spend up to 20% of their time providing diagnostic services. The average percentage of time in diagnosis is 9.2% with a 95% confidence interval of plus and minus 1.37 percentage points. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent of time spent in the selected procedure.



**Selected Procedures: Percent of Time Rendering Operative Procedures
Private Practitioners, 2013**

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	54	51.92	3.09	2.69
10-19	30	28.85	12.86	2.76
20-29	14	13.46	21.70	2.45
30+	6	5.77	35.73	8.76
Total	104	100.00	10.29	9.74
95% CI:	10.29	+/-	1.89	

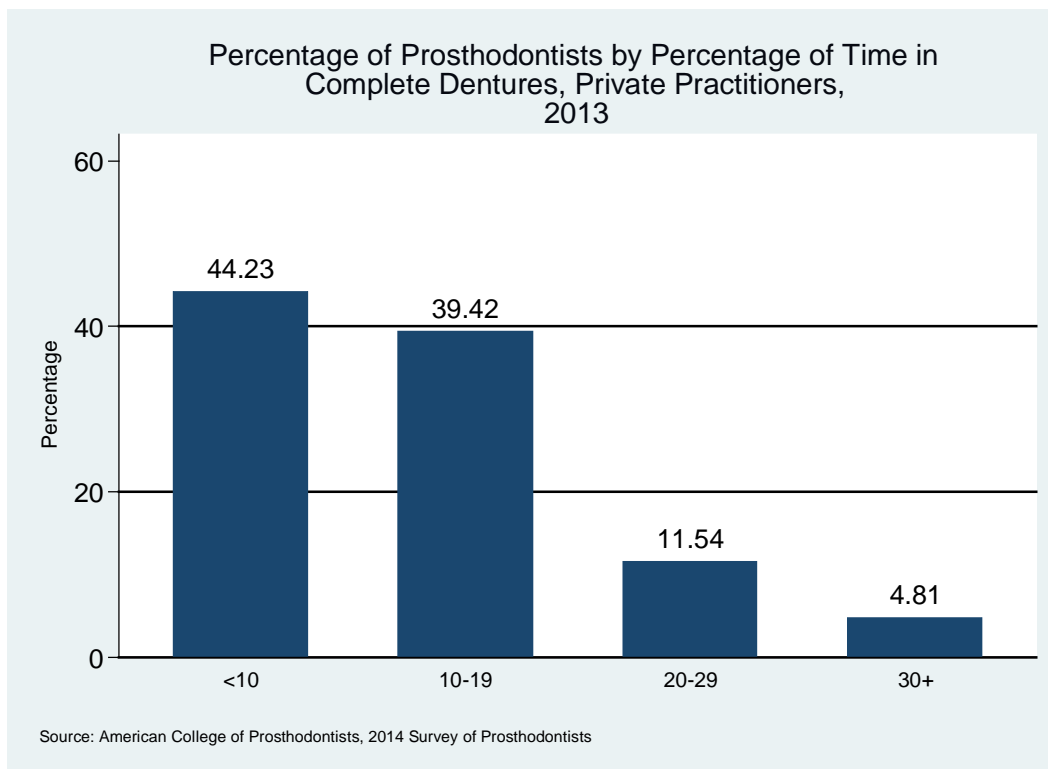
The largest percent of prosthodontists (52%) spend less than 10% of their time in providing operative care. Another 29% spend 10%-19% of their time providing operative care. The average percent of time in operative care was 10.3% with a 95% confidence interval of plus or minus 1.89 percentage points. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent of time spent in the selected procedure.



**Selected Procedures: Percent of Time Rendering Complete Dentures Procedures
Private Practitioners, 2013**

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	46	44.23	4.12	2.82
10-19	41	39.42	13.32	2.63
20-29	12	11.54	21.25	2.26
30+	5	4.81	42.00	14.40
Total	104	100.00	11.55	9.83
95% CI:	11.55	+/-	1.91	

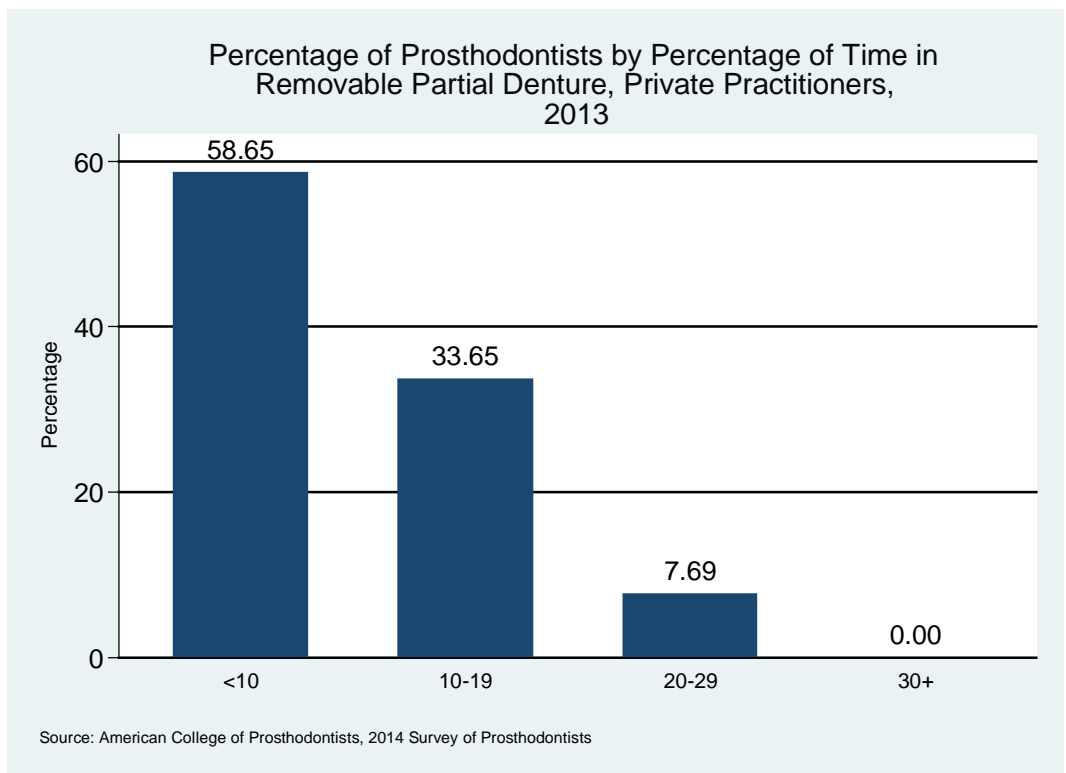
Respondents reported they spend an average of 11.6% of their time providing complete denture services. About 44% reported spending less than 10% of their time and 39% spend 10%-19% of their time providing complete denture services. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent of time spent in the selected procedure.



**Selected Procedures: Percent of Time Rendering Removable Partial Denture Procedures
Private Practitioners, 2013**

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	61	58.65	3.83	2.42
10-19	35	33.65	11.13	2.37
20+	8	7.69	21.26	2.05
Total	104	100.00	7.63	5.72
95% CI:	7.63	+/-	1.11	

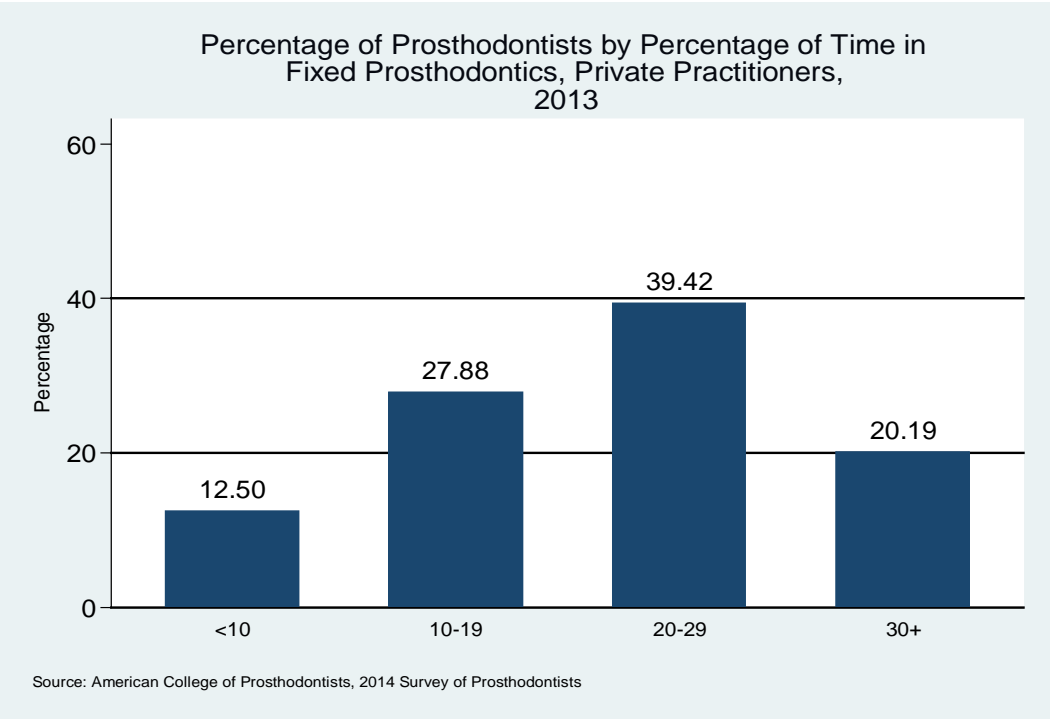
Removable partial denture services takes up an average of 7.6% of prosthodontics treatment time. Almost 59% of respondents indicated that partial denture care takes less than 10% of their time. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent of time spent in the selected procedure.



**Selected Procedures: Percent of Time Rendering Fixed Prosthodontics Procedures
Private Practitioners, 2013**

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	13	12.50	2.33	2.48
10-19	29	27.88	14.04	2.90
20-29	41	39.42	22.58	2.89
30+	21	20.19	39.47	12.67
Total	104	100.00	21.08	12.87
95% CI:	21.08	+/-	2.50	

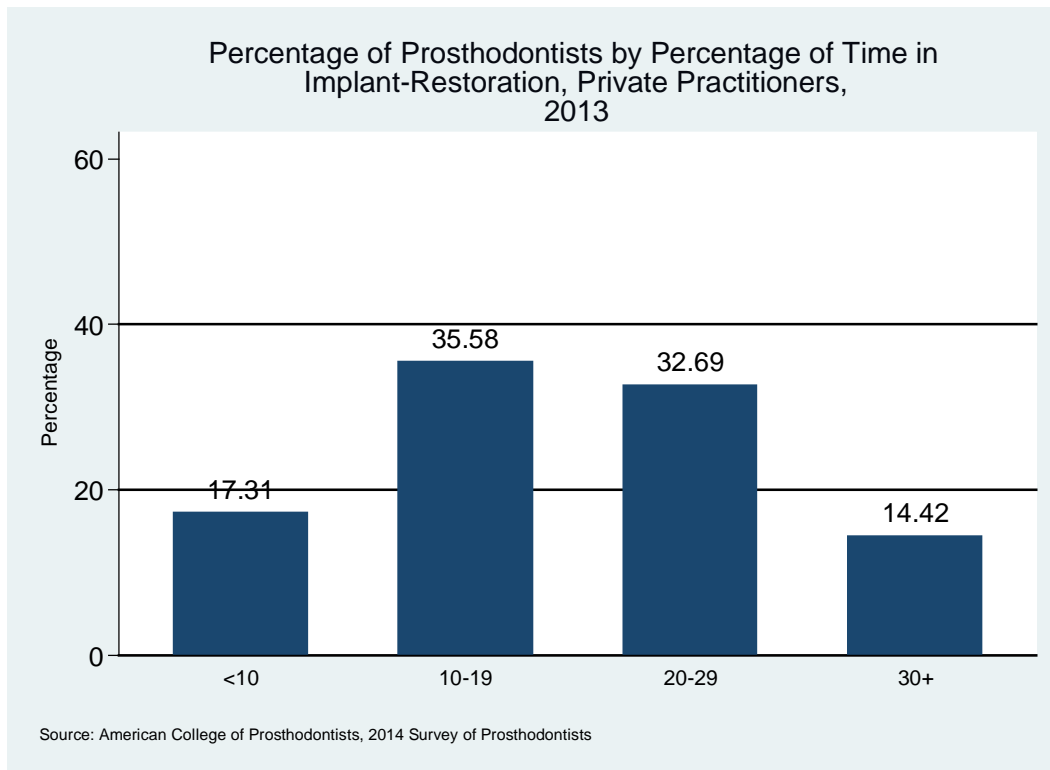
The average percent of time spent in fixed prosthodontics is estimated to be 21.1% by respondents to the survey with a 95% confidence interval of plus or minus 2.5 percentage points. About 67% of respondents indicated they spend 10%-29% of their time providing fixed prosthodontics. Twenty percent of respondents reported they spend 30% or more of their treatment time in fixed prosthodontics. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent of time spent in the selected procedure.



Selected Procedures: Percent of Time Rendering Implant-Supported Restoration Procedures, Private Practitioners, 2013

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	18	17.31	3.18	2.88
10-19	37	35.58	13.93	3.28
20-29	34	32.69	22.47	3.16
30+	15	14.42	39.27	8.25
Total	104	100.00	18.52	11.58
95% CI:	18.52	+/-	2.25	

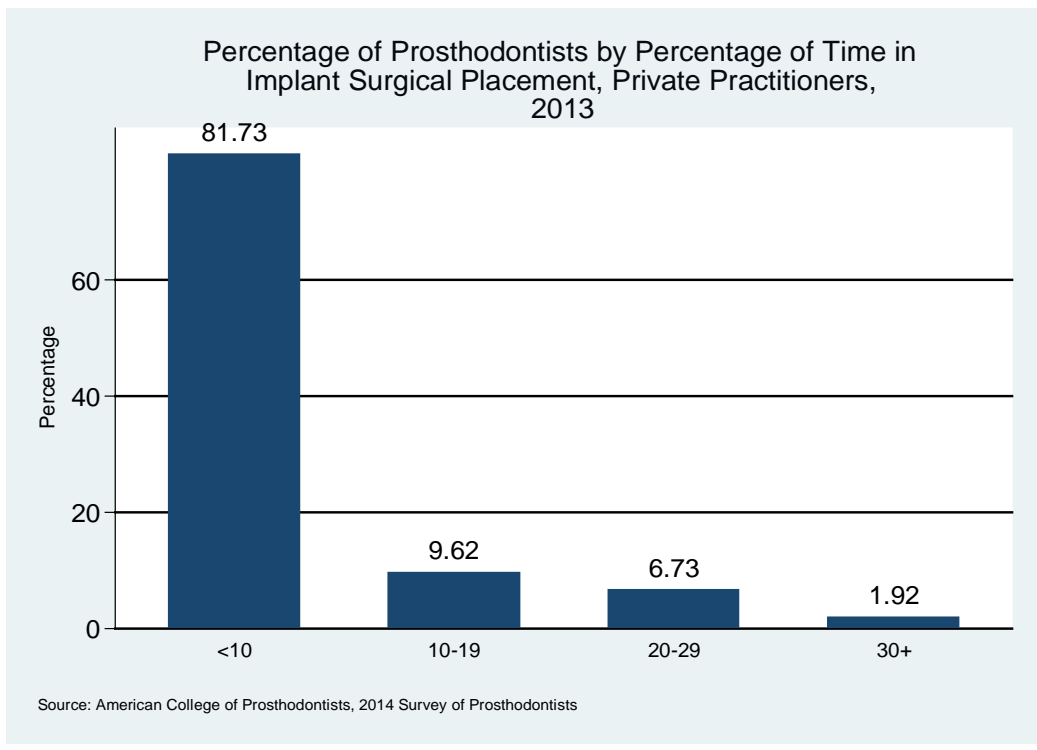
More than 80% of respondents indicated they spend up to 30% of their treatment time providing implant supported restoration. The average percent of time reported in implant restoration was 19% of treatment time. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent of time spent in the selected procedure.



**Selected Procedures: Percent of Time Rendering Implant Surgical Placement Procedures
Private Practitioners, 2013**

Percent of				
Time in		Mean		Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	85	81.73	1.19	2.43
10-19	10	9.62	12.13	2.88
20-29	7	6.73	23.25	3.20
30+	2	1.92	35.00	7.07
Total	104	100.00	4.38	7.95
95% CI:	4.38	+/-	1.55	

Most of the respondents (91%) reported they spend less than 20% of their time providing implant surgical placement procedures; 82% spend less than 10% of their time. The average percent of time was estimated to be an average of 4.4% of time providing implant placement procedures with a 95% confidence interval of plus or minus 1.55 percentage points. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent of time spent in the selected procedure.

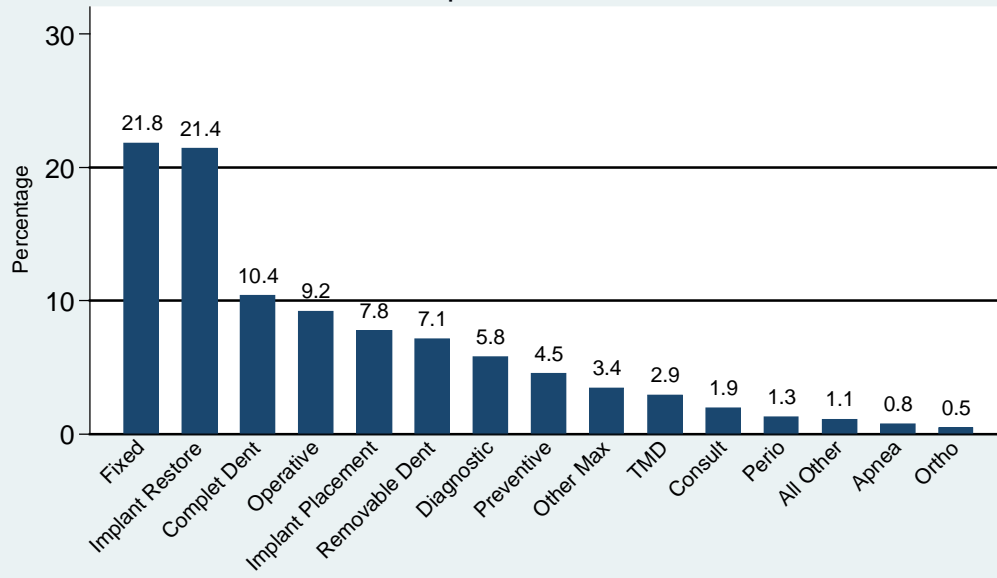


**Mean Percentage of Annual Gross Billings Earned by Dental Procedures,
Private Practitioners, 2013**

	95%			
	Mean			Confidence
	Percent	Standard		Interval
Procedure Group	Billings	Deviation	Number	(+/-)
Fixed Prosthodontics	21.82	14.27	59	3.72
Implant Restore	21.41	11.43	59	2.98
Complete Denture	10.40	10.71	59	2.79
Operative	9.22	8.55	59	2.23
Implant Placement	7.75	12.61	59	3.29
Removable Denture	7.13	5.52	59	1.44
Diagnostic	5.79	5.76	59	1.50
Preventive	4.55	5.12	59	1.33
Other Maxillofacial	3.43	13.71	59	3.57
TMD	2.92	13.07	59	3.41
Consulting	1.95	2.95	59	0.77
Periodontics	1.28	3.28	59	0.85
All Other	1.12	3.01	59	0.78
Sleep Apnea	0.78	1.81	59	0.47
Orthodontics	0.47	2.22	59	0.58

Respondents indicated that they earn the largest percent of their annual gross billings by providing fixed prosthodontics services. The five procedures representing the largest shares of annual gross billings included fixed prosthodontics (22%), implant restorations (21%), complete dentures (10%), operative dentistry (9%) and implant placement (8%). See chart on the next page. According to respondents, these five procedure groups represent about 71% of annual gross billings. The five procedures representing the lowest shares of gross billings included consulting, periodontics, other procedures, sleep apnea, and orthodontics. These five procedures accounted for only about 6% of gross billings. The calculated 95% intervals in the table ranged from plus or minus 0.47 percentage points for sleep apnea to 3.72 percentage points for fixed prosthodontics.

Mean Percentage of Annual Gross Billings by Procedure Groups, Private Practitioners, 2013

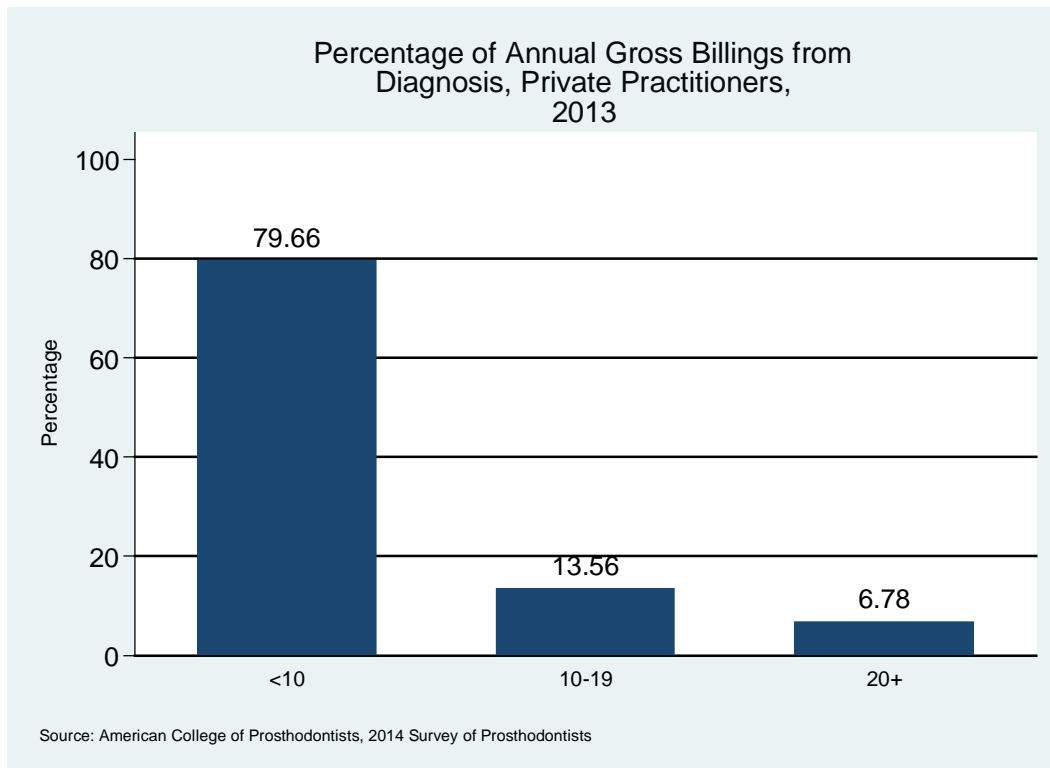


Source: American College of Prosthodontists, 2014 Survey of Prosthodontists

Selected Procedures: Percent of Annual Gross Billings from Diagnostic Procedures Private Practitioners, 2013

Percent of				
Time in		Mean	Standard	
Procedure	Number	Percentage	Percentage	Deviation
<10	47	79.66	3.54	2.50
10-19	8	13.56	10.63	1.77
20+	4	6.78	22.50	5.00
Total	59	100.00	5.79	5.76
95% CI:	5.79	+/-	1.50	

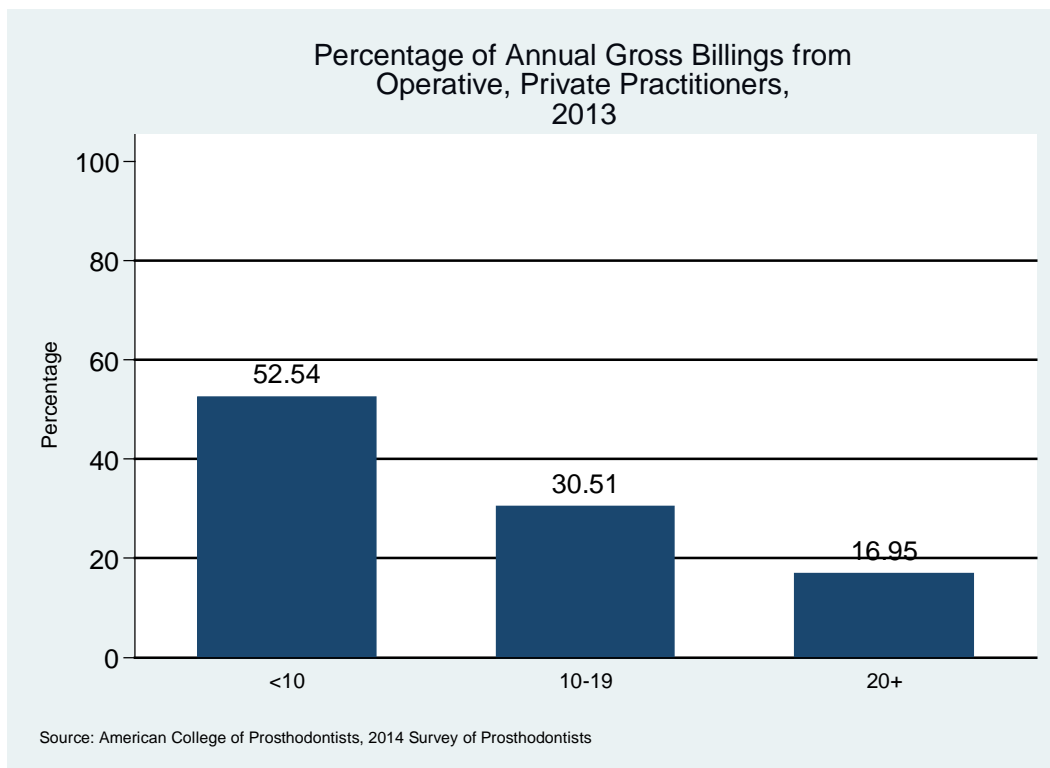
About 5.8% of annual gross billings, on average, were derived by prosthodontists from diagnostic services. Almost 80% of respondents indicated they derived less than 10% of gross billings from diagnosis. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent gross billings earned from the selected procedure.



Selected Procedures: Percent of Annual Gross Billings from Operative Procedures Private Practitioners, 2013

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	31	52.54	2.67	2.53
10-19	18	30.51	12.34	3.30
20+	10	16.95	23.92	4.75
Total	59	100.00	9.22	8.55
95% CI:	9.22	+/-	2.23	

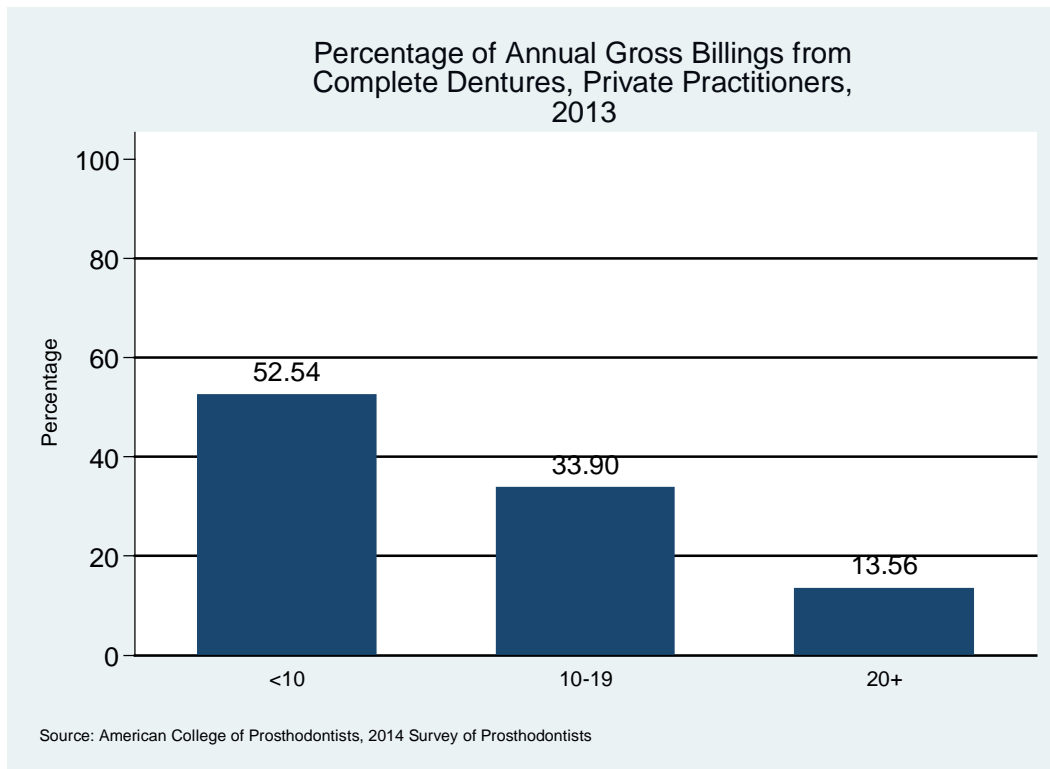
About 53% of respondents reported less than 10% of annual gross billings were received from operative procedures. Another 31% indicated 10%-19% of gross billings were derived from operative care. **Note: Note:** The 95% confidence interval is calculated in this table only for the overall average percent gross billings earned from the selected procedure..



Selected Procedures: Percent of Annual Gross Billings from Complete Dentures Procedures Private Practitioners, 2013

Percent of				
Time in		Mean	Standard	
Procedure	Number	Percentage	Percentage	Deviation
<10	31	52.54	3.93	2.59
10-19	20	33.90	12.18	2.39
20+	8	13.56	31.00	15.04
Total	59	100.00	10.40	10.71
95% CI:	10.40	+/-	2.79	

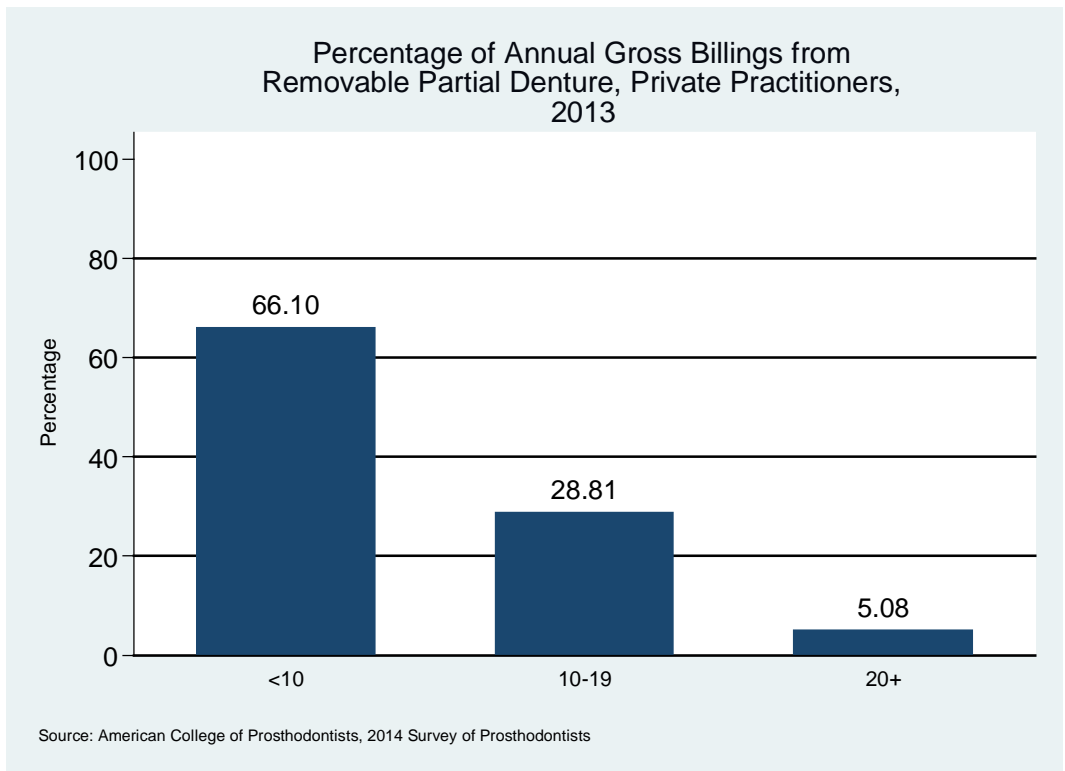
Respondents reported they receive an average of 10% of annual gross billings from complete denture care. About 53% indicated they receive less than 10% of their gross billings from complete dentures and 14% reported 20% or more. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent gross billings earned from the selected procedure..



Selected Procedures: Percent of Annual Gross Billings from Removable Partial Denture Procedures Private Practitioners, 2013

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	39	66.10	4.04	2.72
10-19	17	28.81	11.65	2.71
20+	3	5.08	21.67	2.89
Total	59	100.00	7.13	5.52
95% CI:	7.13	+/-	1.44	

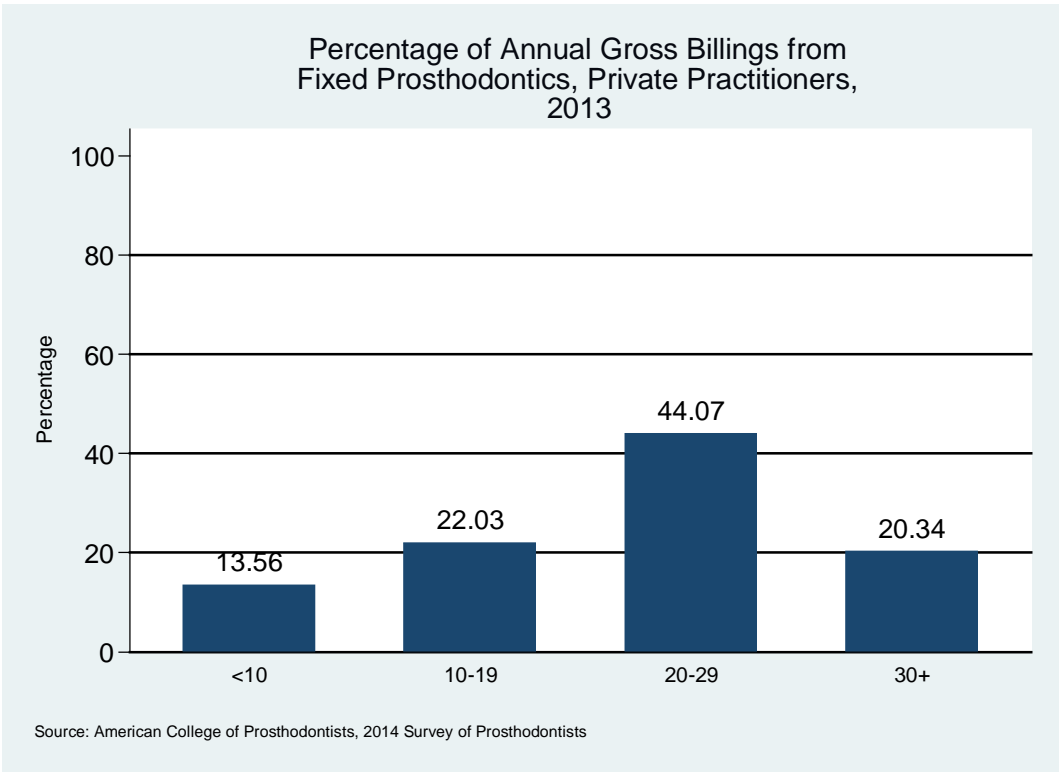
Removable partial denture services result in an average of 7.1% of annual gross billings. Almost 66% of respondents indicated that partial denture care results in less than 10% of gross billings. Only about 5% of respondents indicated that 20% or more of gross billings was the result of partial dentures. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent gross billings earned from the selected procedure.



Selected Procedures: Percent of Annual Gross Billings from Fixed Prosthodontics Procedures Private Practitioners, 2013

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	8	13.56	4.10	3.69
10-19	13	22.03	12.60	2.57
20-29	26	44.07	22.05	2.64
30+	12	20.34	43.14	14.72
Total	59	100.00	21.82	14.27
95% CI:	21.82	+/-	3.72	

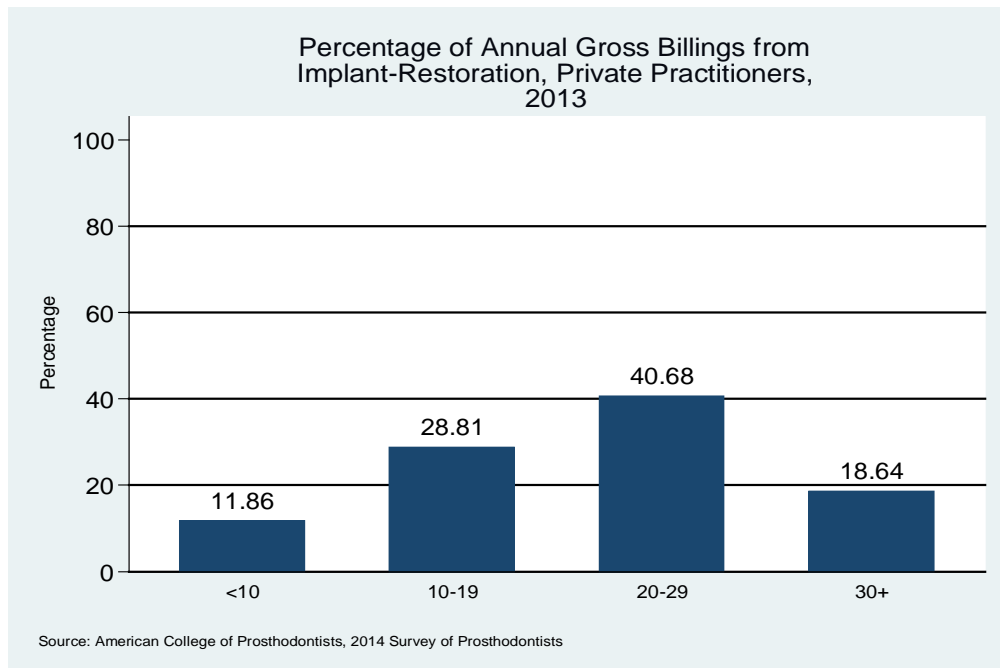
The average amount of annual gross billings from fixed prosthodontics is estimated to be 21.8% by respondents to the survey. About 44% reported they earn 20%-29% of gross billings from fixed prosthodontics procedures. Another 20% indicated they earned 30% or more of gross billings from fixed procedures. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent gross billings earned from the selected procedure.



Selected Procedures: Percent of Annual Gross Billings from Implant-Supported Restoration Procedures, Private Practitioners, 2013

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	7	11.86	3.96	3.38
10-19	17	28.81	14.38	3.34
20-29	24	40.68	23.85	3.07
30+	11	18.64	38.06	9.72
Total	59	100.00	21.41	11.43
95% CI:	21.41	+/-	2.98	

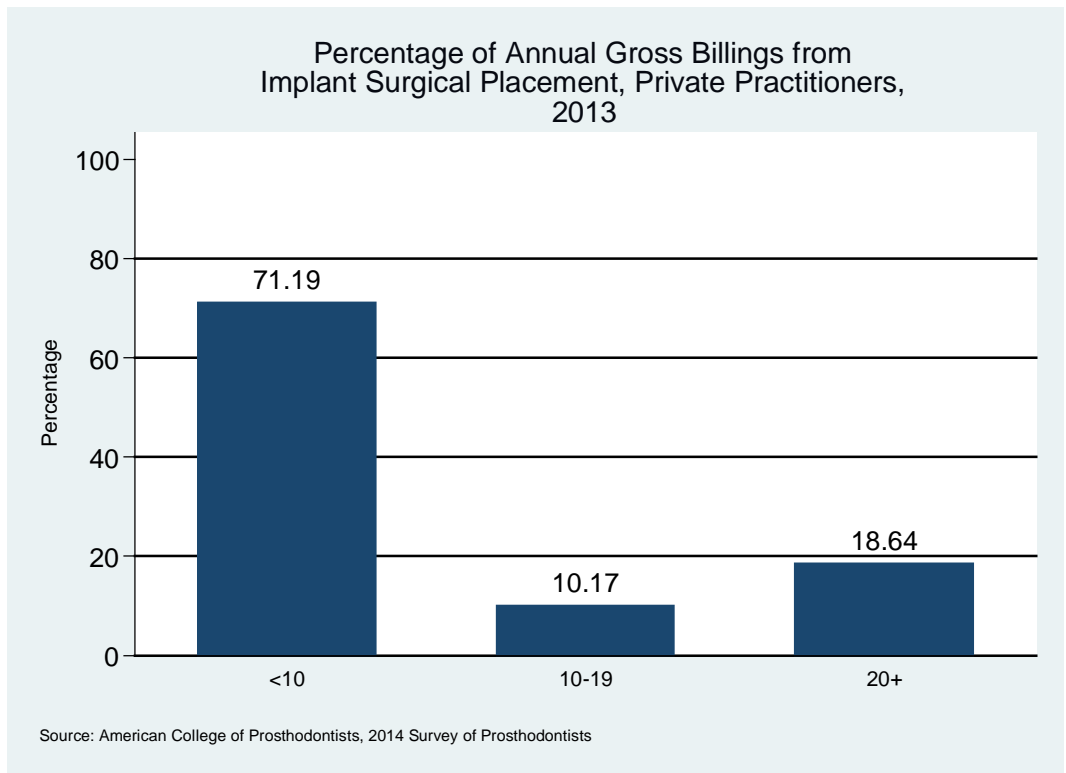
More than 80% of respondents indicated they earn up to 30% of their annual gross billings providing implant supported restoration. The average percent of gross billings earned from implant restoration was 21%. On average, about 12% of respondents reported that less than 10% of gross billings were earned from implant supported restoration. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent gross billings earned from the selected procedure.



**Selected Procedures: Percent of Time Rendering Implant Surgical Placement Procedures
Private Practitioners, 2013**

Percent of				
Time in			Mean	Standard
Procedure	Number	Percentage	Percentage	Deviation
<10	42	71.19	1.04	2.38
10-19	6	10.17	10.83	2.04
20+	11	18.64	31.69	8.48
Total	59	100.00	7.75	12.61
95% CI:	7.75	+/-	3.29	

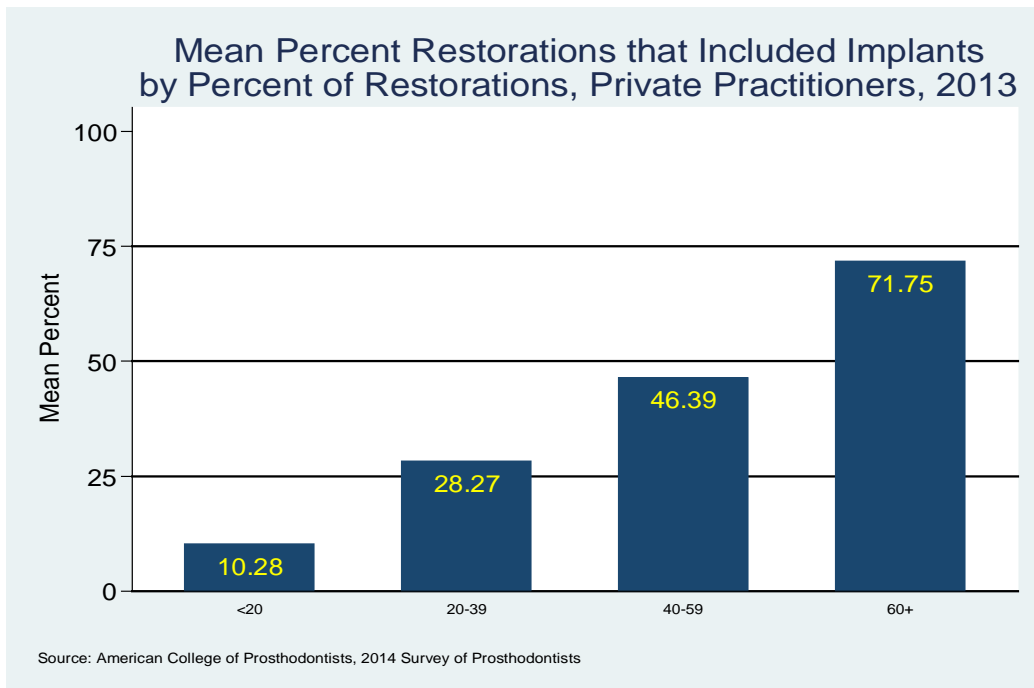
Most of the respondents (71%) reported they received less than 10% of their annual gross billings providing implant surgical placement procedures. The average percent of gross billings was estimated to be 7.75% for implant placement procedures. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent gross billings earned from the selected procedure.



**Mean Percent of Restorations that included Implants
by Percent of Restorations, Private Practitioners, 2013**

Percent of Restorations				
include Implants	Number	Percentage	Mean Percentage	Standard Deviation
<20	29	26.61	10.28	5.06
20-39	37	33.94	28.27	5.29
40-59	23	21.10	46.39	4.95
60+	20	18.35	71.75	9.07
Total	109	100.00	35.28	22.20
95% CI:	35.28	+/-	4.21	

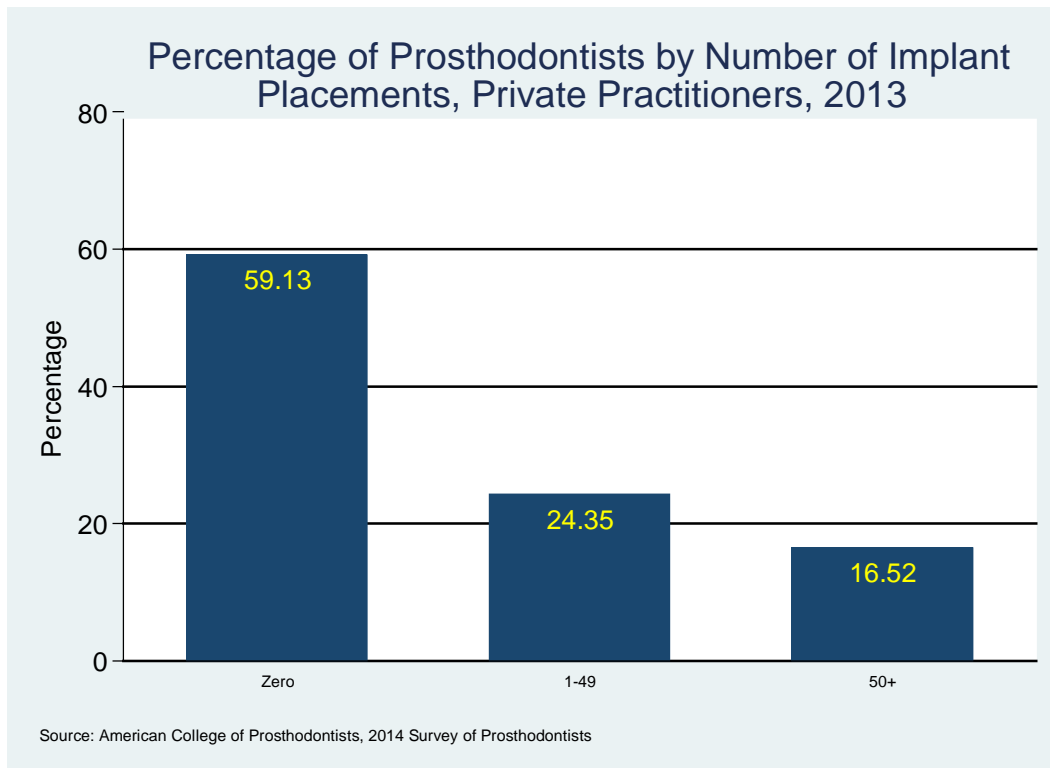
Twenty-seven percent of respondents reported they included implants in less than 20% of their restorative procedures. Slightly more than one-third of respondents indicated they included implants in 20%-39% of their restorations. The average percent implants included in restorations was 35.3% with a 95% confidence interval of plus or minus 4.2 percentage points. **Note:** The 95% confidence interval is calculated in this table only for the overall average percent of restorations including implants.



**Mean Number of Implants that were Placed,
Private Practitioners, 2013**

Number of Implants Placed	Number	Percentage	Mean Implants	Standard Deviation
Zero	68	59.13	0.00	0.00
1-49	28	24.35	20.07	15.67
50+	19	16.52	211.16	112.62
Total	115	100.00	39.77	89.42
95% CI:	39.77	+/-	16.52	

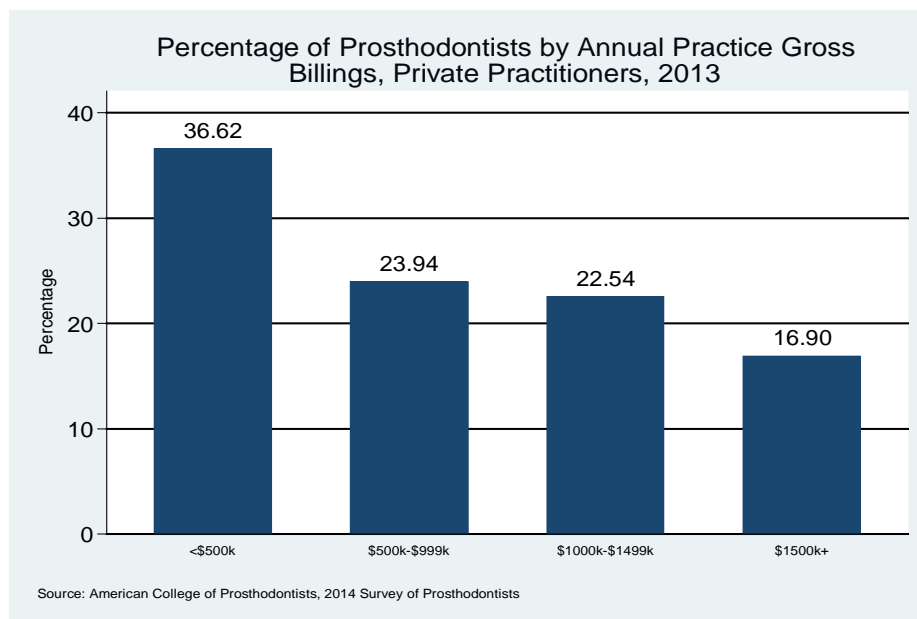
The overall average number of implants placed according to the respondents was 39.8 placements in 2013. Fifty-nine percent of respondents indicated they placed no implants in 2013 while 17% reported 50 or more implants placed. The overall average number of placements o 39.8 has a 95% confidence interval of plus or minus 16.5 placements. **Note:** The 95% confidence interval is calculated in this table only for the overall average number of implant placements.



**Percentage of Prosthodontists by Amount of Annual Practice Gross Billings
Private Practitioners, 2013**

Practice			Mean	
Gross Billings	Number	Percentage	Gross Billings	Standard Deviation
<\$500k	26	36.62	\$200,730	\$146,980
\$500k-\$999k	17	23.94	\$721,804	\$154,652
\$1000k-\$1499k	16	22.54	\$1,224,952	\$138,888
\$1500k+	12	16.9	\$3,420,605	\$3,788,719
Total	71	100	\$1,100,509	\$1,880,122
95% CI:	\$1,100,509	+/-	\$445,017	

The average gross billings² per practice were estimated to be \$1,100,509 in 2013 with a 95% confidence interval of plus or minus \$445,017. About 61% of respondents reported gross billings below \$1 million and 17% reported gross billings exceeding \$1.5 million. **Note:** The 95% confidence interval is calculated in this table only for the overall average practice gross billings.

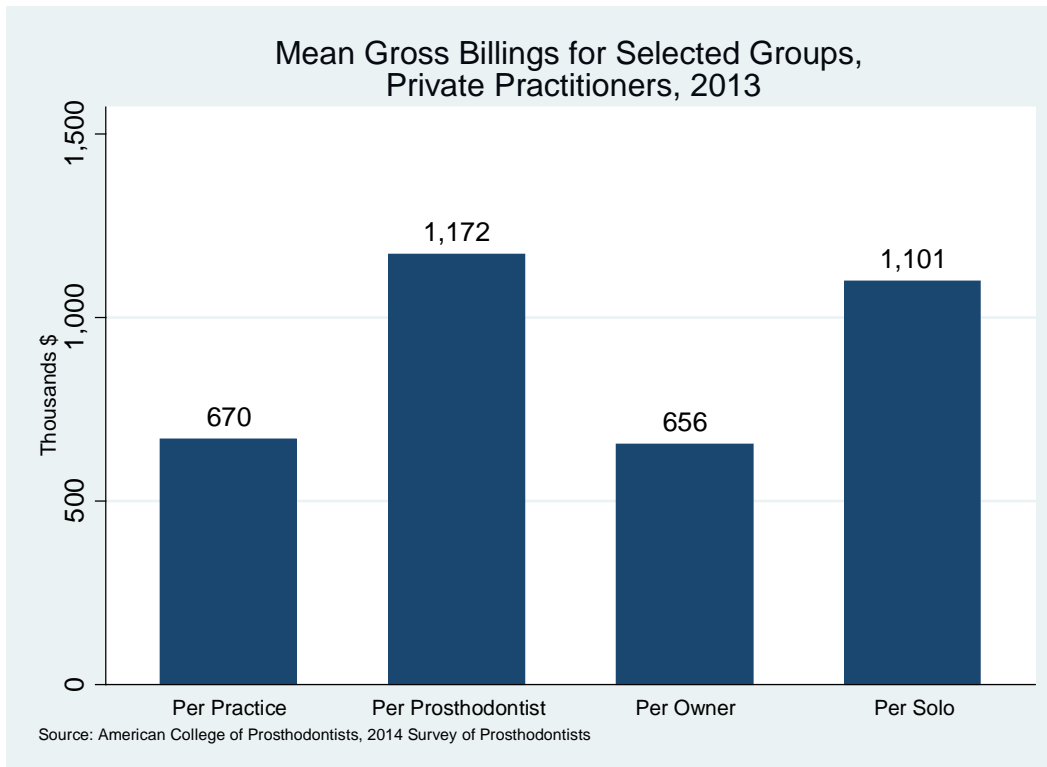


² The survey question asked for gross billings of the practice where the respondent treated patients and not gross billings charged by the individual respondent prosthodontist.

**Mean Gross Billings for Selected Groups of Prosthodontists
Private Practitioners, 2013**

Gross Billings:				
Statistics	Per Practice	Per Prosthodontist	Per Owner	Per Solo
Mean	\$1,100,509	\$669,872	\$1,172,464	\$656,053
Std Deviation	\$1,880,122	\$1,039,677	\$2,116,608	\$441,963
Number	71	53	48	25
95% CI (+/-)	\$445,017	\$286,571	\$614,599	\$182,433

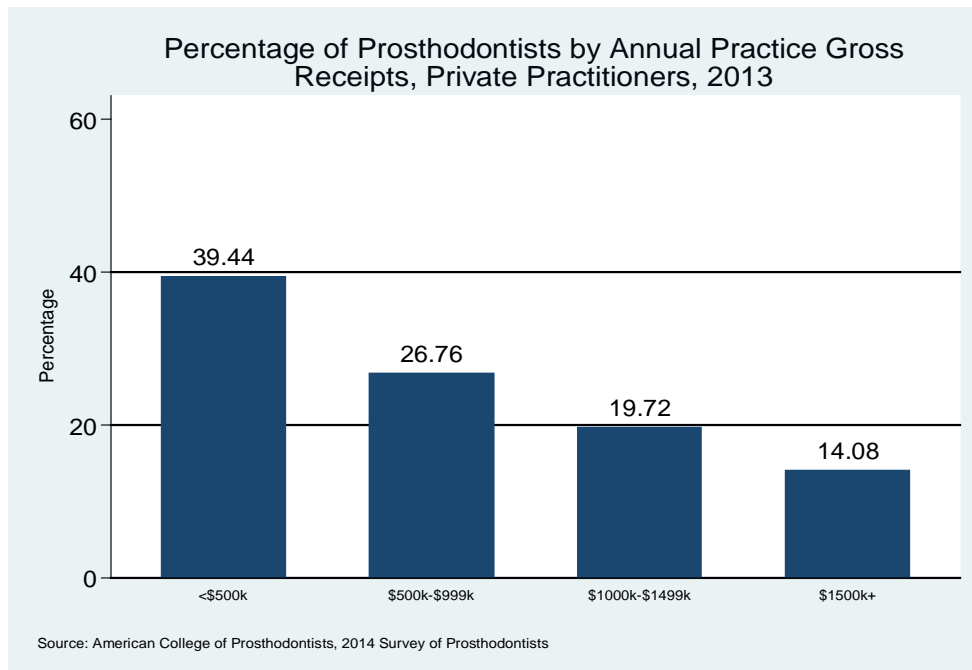
The practice gross billings at the practice level can be used to estimate gross billings “per” prosthodontist in the practice, per practice owner, and for a solo prosthodontist. The average gross billings in 2013 are shown in this table. The largest mean (average) gross billings per was reported for the group of owner prosthodontists at \$1,172,464. The lowest average gross billings were reported by solo prosthodontists.



**Percentage of Prosthodontists by Amount of Practice Gross Receipts
Private Practitioners, 2013**

Practice Gross Receipts	Number	Percentage	Mean	
			Gross Receipts	Standard Deviation
<\$500k	28	39.44	\$220,184	\$147,557
\$500k-\$999k	19	26.76	\$725,149	\$168,496
\$1000k-\$1499k	14	19.72	\$1,208,128	\$113,792
\$1500k+	10	14.08	\$3,294,524	\$4,085,205
Total	71	100.00	\$983,127	\$1,785,515
95% CI:	\$983,127	+/-	\$422,624	

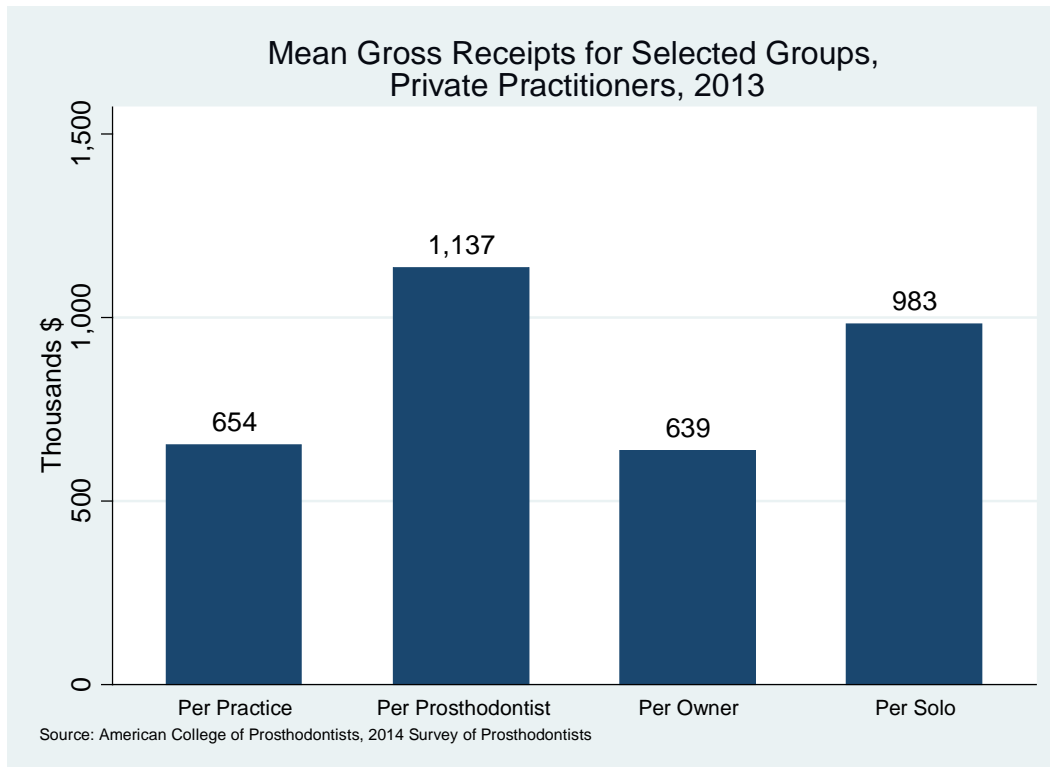
The estimated average amount of gross receipts at the practice level was \$983,127 with a 95% confidence interval of plus or minus \$422,624. Gross receipts should be lower than gross billings due to uncollected revenue from services rendered. About 66% of respondents indicated their gross receipts were less than \$1 million and 14% reported gross receipts of \$1.5 million or more. **Note:** The 95% confidence interval is calculated in this table only for the overall average practice gross receipts.



**Mean Gross Receipts for Selected Groups of Prosthodontists
Private Practitioners, 2013**

Gross Receipts:				
Statistics	Per Practice	Per Prosthodontist	Per Owner	Per Solo
Mean	\$1,100,509	\$669,872	\$1,172,464	\$656,053
Std Deviation	\$1,880,122	\$1,039,677	\$2,116,608	\$441,963
Number	71	53	48	25
95% CI (+/-)	\$422,624	\$298,586	\$644,863	\$178,026

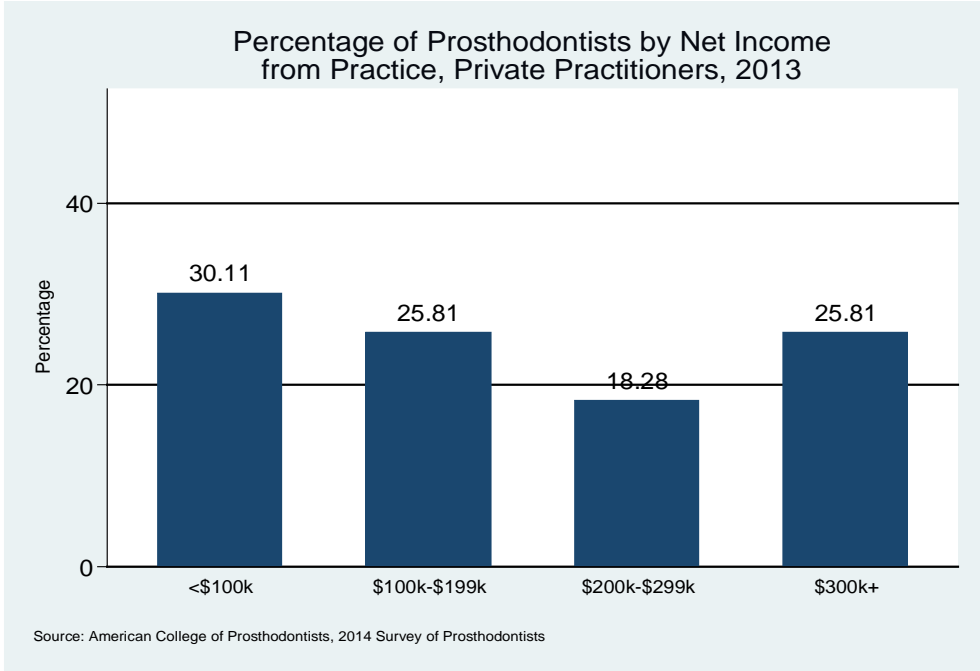
The practice gross receipts at the practice level can be used to estimate gross receipts “per” prosthodontist in the practice, per practice owner, and for a solo prosthodontist. The average gross receipts in 2013 were \$669,872 per prosthodontist, \$1,172,464 per owner, and \$656,053 per solo prosthodontist. The largest average gross receipts were reported by owner prosthodontists and the lowest was for the solo prosthodontist.



**Net Income and Percentage of Prosthodontists by Net Income
Private Practitioners, 2013**

Net Income	Number	Percentage	Mean	Median	Standard Deviation
			Net Income	Net Income	
<\$100k	28	30.11	\$46,988	\$47,500	\$27,075
\$100k-\$199k	24	25.81	\$143,569	\$145,000	\$29,652
\$200k-\$299k	17	18.28	\$246,324	\$250,000	\$28,286
\$300k+	24	25.81	\$500,099	\$411,500	\$211,444
Total	93	100.00	\$225,282	\$180,000	\$207,248
95% CI:	\$225,282	+/-	\$42,682		

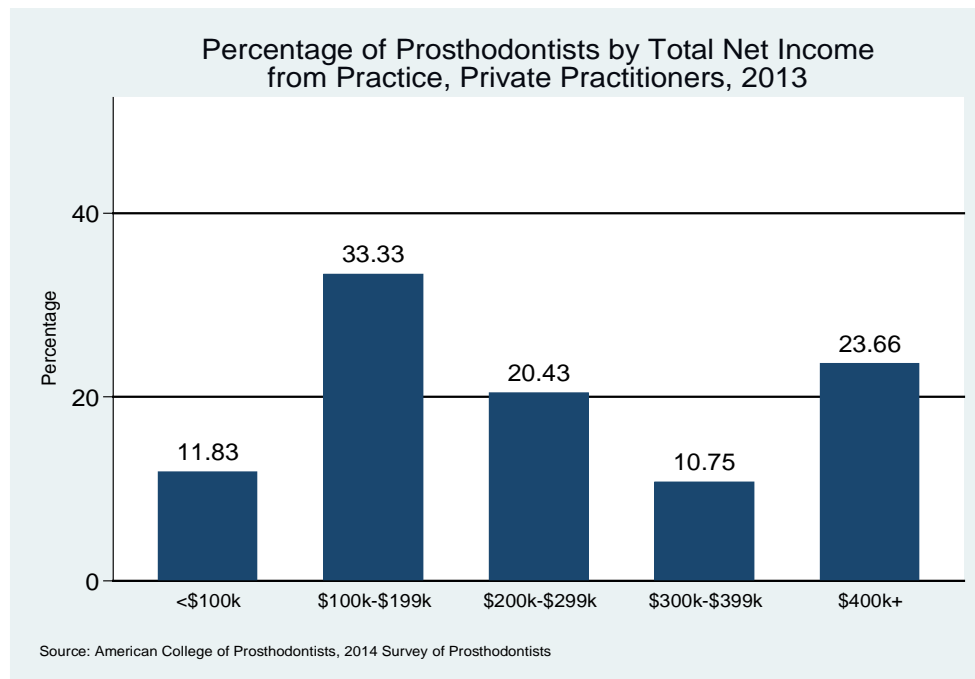
The average net income from private practice reported by respondents was \$225,282 in 2013 with a 95% confidence interval of plus or minus \$42,682. Almost 30% of respondents reported less than \$100,000 net income and 16% reported net incomes of \$400,000 or more. Overall the median net income of \$180,000 is about 20% lower than mean net income. **Note:** The 95% confidence interval is calculated in this table only for the overall average of prosthodontist net income.



**“Total” Net Income and Percentage of Prosthodontists by “Total” Net Income
Private Practitioners, 2013**

Total Net Income	Number	Percentage	Mean	Median	Standard Deviation
			Total Net Income	Total Net Income	
<\$100k	11	11.83	\$59,273	\$57,000	\$27,665
\$100k-\$199k	31	33.33	\$149,593	\$150,000	\$28,941
\$200k-\$299k	19	20.43	\$244,001	\$250,000	\$31,717
\$300k-\$399k	10	10.75	\$354,200	\$350,000	\$20,703
\$400k+	22	23.66	\$595,625	\$475,000	\$279,611
Total	93	100.00	\$285,711	\$217,000	\$233,777
95% CI:	\$285,711	+/-	\$48,146		

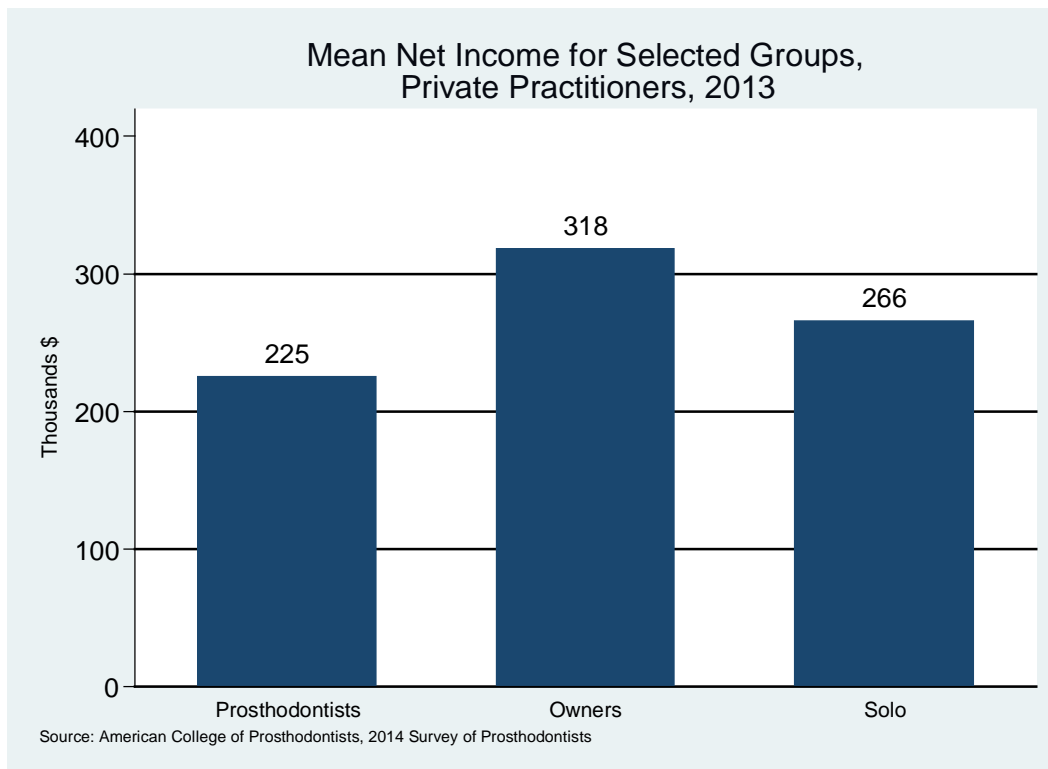
Total net income of prosthodontists includes the net income from private practice (see previous table) plus all other income received from the practice of prosthodontics (e.g., teaching, hospital staff, consulting, etc.). In 2013, respondents reported an average of \$286,628 in total net income and a median income of \$217,000 with a 95% confidence interval of plus or minus \$48,146. More than half of respondents (54%) reported net income in the range of \$100k to \$299k. Almost 24% reported incomes of \$400k or more. **Note:** The 95% confidence interval is calculated in this table only for the overall average of prosthodontist total net income.



**Mean Net Income from Private Practice for Selected Groups,
Private Practitioners, 2013**

Net Income			
Statistics	Per Prosthodontist	Per Owner	Per Solo
Mean	\$225,282	\$318,487	\$266,019
Std Deviation	\$207,248	\$239,918	\$280,703
Number	93	47	27
95% CI (+/-)	\$42,682	\$70,443	\$111,043

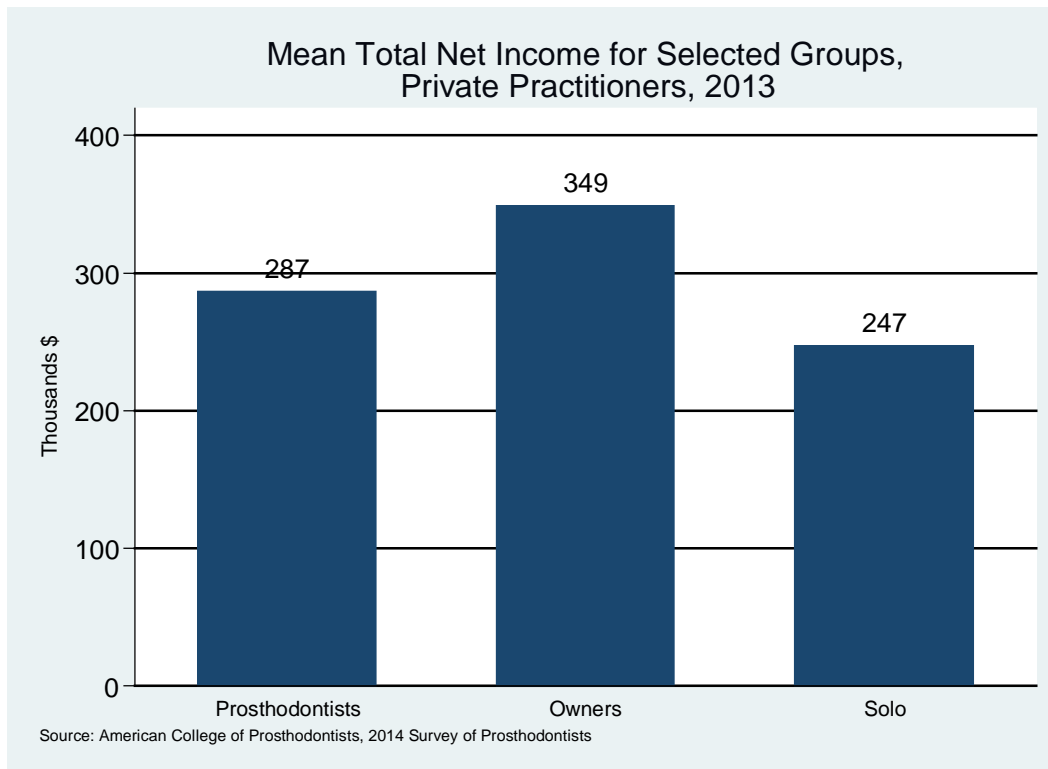
While the average net income among all prosthodontists is \$225,282 in 2013, the mean net income for practice owners is higher at \$318,487 and lower for solo prosthodontists at \$266,019. The 95% confidence interval plus or minus factor is highest for owner prosthodontists and lowest for prosthodontists. **Note:** The 95% confidence interval is calculated in this table for the overall average of prosthodontist net income, owner net income and solo prosthodontist income.



**Mean Total Net Income from Practice for Selected Groups,
Private Practitioners, 2013**

Total Net Income			
Statistics	Per Prosthodontist	Per Owner	Per Solo
Mean	\$286,629	\$348,871	\$247,167
Std Deviation	\$223,166	\$277,083	\$202,396
Number	\$71	\$37	\$21
95% CI (+/-)	\$52,822	\$92,384	\$92,130

The total net income data shown in the table include the net income reported in previous tables plus income from all other dental sources. While the average total net income among all prosthodontists is \$286,629 in 2013, the mean net income for practice owners is higher at \$348,871 and lower for solo prosthodontists at \$247,167. The 95% confidence interval plus or minus factor is the largest for owner prosthodontists and lowest for prosthodontists in general. **Note:** The 95% confidence interval is calculated in this table for the overall average of prosthodontist total net income, owner total net income and solo prosthodontist total net income.



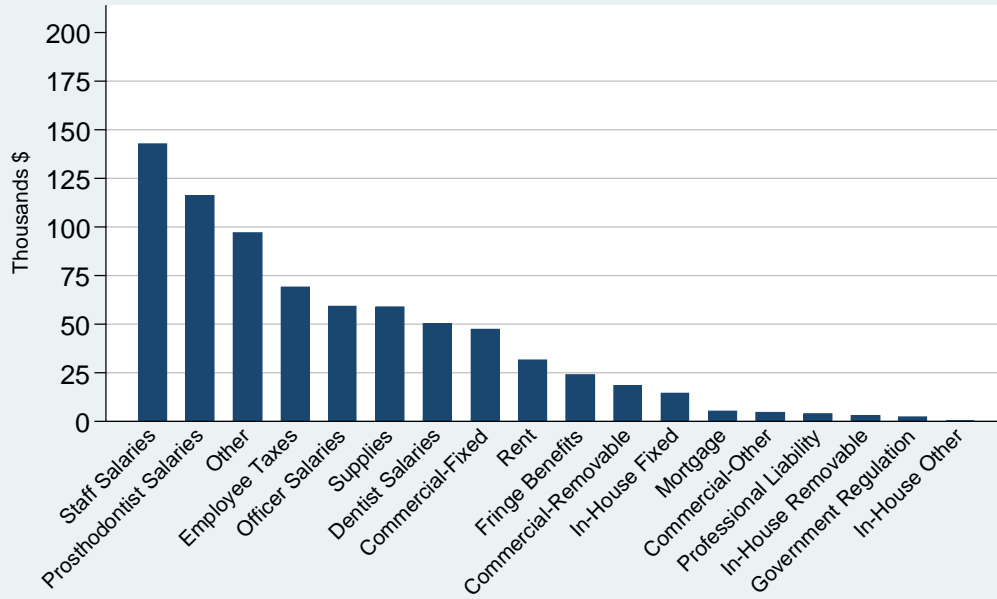
**Mean Expenses per Practice for All Prosthodontists,
Private Practitioners, 2013**

Expense	Mean	Median	Standard Deviation	Number	95%
					Confidence Interval (+/-)
Staff Salaries	\$142,914	\$84,000	\$246,083	95	\$50,130
Prosthodontist Salaries	\$116,092	\$50,000	\$164,563	87	\$35,073
Dentist Salaries	\$50,477	\$0	\$139,493	65	\$34,565
Officer Salaries	\$59,269	\$0	\$118,127	64	\$29,507
Employee Taxes	\$69,237	\$19,000	\$221,014	70	\$52,699
Fringe Benefits	\$24,005	\$0	\$52,019	79	\$11,652
Rent	\$31,645	\$24,000	\$36,061	95	\$7,346
Mortgage	\$5,371	\$0	\$15,547	80	\$3,460
Supplies	\$58,943	\$25,000	\$104,334	79	\$23,370
Commercial-Fixed	\$47,347	\$27,097	\$69,767	76	\$15,942
Commercial-Removable	\$18,477	\$10,000	\$33,908	73	\$7,911
Commercial-Other	\$4,839	\$0	\$18,229	59	\$4,750
In-House Fixed	\$14,675	\$0	\$49,007	65	\$12,143
In-House Removable	\$3,183	\$0	\$8,874	63	\$2,235
In-House Other	\$340	\$0	\$2,088	52	\$581
Professional Liability	\$4,178	\$2,000	\$7,324	82	\$1,609
Government Regulation	\$2,303	\$375	\$5,138	72	\$1,207
Other	\$97,121	\$8,500	\$395,653	58	\$104,032
Total Expense	\$577,482	\$340,000	\$956,116	68	\$231,429

Salaries including staff, other prosthodontists and dentists, and officer salaries in an incorporated practice make up the largest share of expenses in a private practice. Average salaries expenses represented about 64% of total practice expenses. Staff salaries alone averaged \$142,914 in 2013 and were 25% of total operating expenses. Other than salaries and all other expenses, the five largest practice expenses included employee taxes (\$69,237), dental supplies (\$58,943), commercial lab-fixed lab (\$47,347), rental expense (\$31,645), and fringe benefits (\$24,005). Based on total operating expenses of \$577,482 reported by respondents and mean gross receipts of \$983,127, the estimated overhead rate was 59% in 2013. This overhead rate compares to 63% in 2010, 57.8% in 2007, 56.6% in 2004, and a reported overhead rate of 60.9% in 2001.³

³ In 2002, respondents reported the overhead rate as a survey question. In the other surveys, the overhead rate was calculated based on survey reported expenses and practice gross receipts.

Mean Expenses per Practice, Private Practitioners, 2013



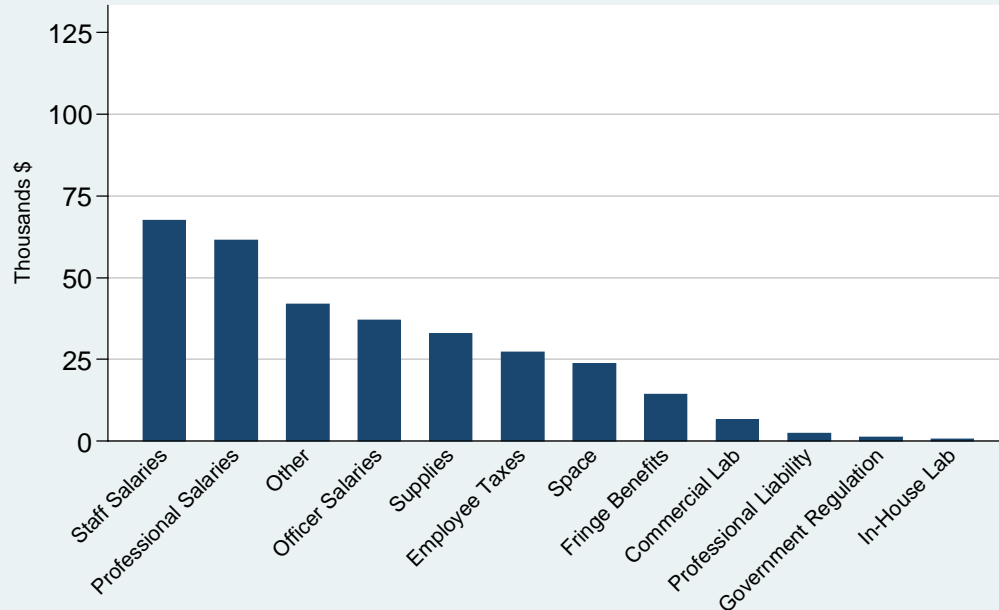
Source: American College of Prosthodontists, 2014 Survey of Prosthodontists

**Mean Expenses per Prosthodontist in Practice,
Private Practitioners, 2013**

					95%
					Confidence
					Interval
Expense	Mean	Median	Standard Deviation	Number	(+/-)
Staff Salaries	\$67,557	\$55,000	\$65,230	65	\$16,163
Professional Salaries	\$61,487	\$0	\$91,440	63	\$23,029
Officer Salaries	\$37,041	\$0	\$70,597	49	\$20,278
Employee Taxes	\$27,239	\$16,000	\$37,979	45	\$11,410
Fringe Benefits	\$14,277	\$0	\$29,984	52	\$8,348
Space	\$23,768	\$18,000	\$21,985	65	\$5,448
Supplies	\$32,937	\$17,750	\$37,039	50	\$10,526
Commercial Lab	\$6,543	\$0	\$20,411	254	\$2,522
In-House Lab	\$546	\$0	\$4,933	254	\$610
Professional Liability	\$2,415	\$1,500	\$3,208	55	\$867
Government Regulation	\$1,167	\$438	\$1,752	46	\$520
Other	\$41,856	\$7,500	\$65,971	40	\$21,098

The respondents who reported practice expenses can also be used to estimate the amount of practice expense per prosthodontist in the practice. The table on this page contains estimates of expenses per prosthodontist and after combining a few expense categories (e.g., space expense is rent or mortgage expense; see the previous table for other combinations). The median expense is the amount of expense for which 50% of respondents reported above the median expense and 50% of respondents reported below the median. The 95% confidence intervals range from a low of \$520 for government regulation expense and a high of \$23,029 for professional salaries. Note that based on the In-House Lab expenses reported by respondents, we “cannot” reject that the average In-House Lab expense is zero.

Mean Expenses per Prosthodontist in the Practice, Private Practitioners, 2013

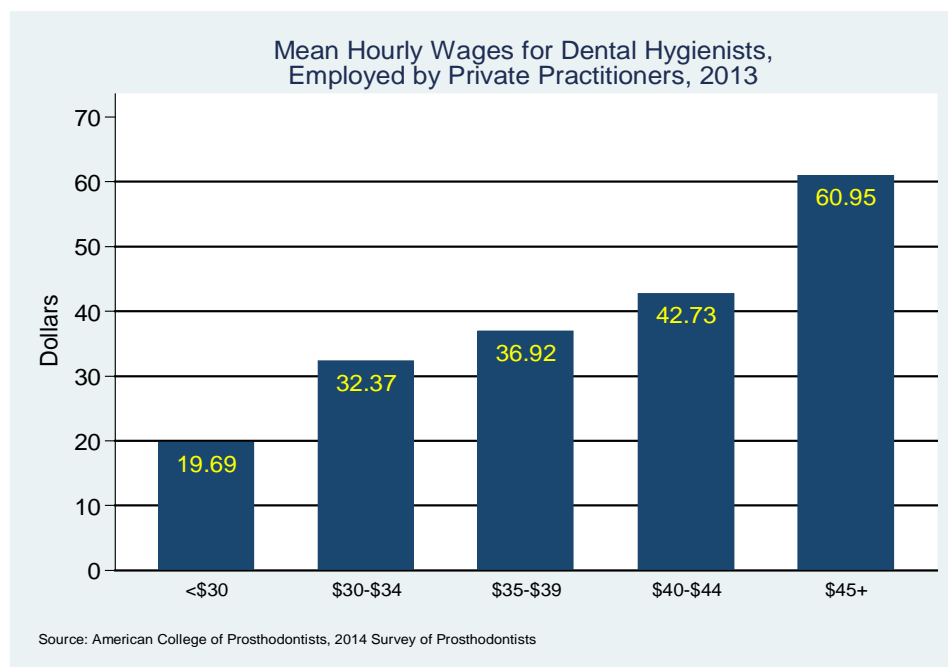


Source: American College of Prosthodontists, 2014 Survey of Prosthodontists

Mean Wages of Dental Hygienists for Different Years of Experience in the Primary Practice and Prior Employment, Private Practitioners, 2013

Hygienist	Mean		Mean	Mean Years
Hourly	Hourly	Standard	Years of	of Prior
Wages	Wage	Deviation	Number	Experience
				Employment
<\$30	\$19.69	\$10.84	10	9.0
\$30-\$34	\$32.37	\$1.26	10	9.5
\$35-\$39	\$36.92	\$1.25	8	15.9
\$40-\$44	\$42.73	\$1.49	4	12.5
\$45+	\$60.95	\$15.79	23	9.0
Total	\$43.43	\$19.64	55	10.4
95% CI:	\$43.43	+/-	\$5.31	

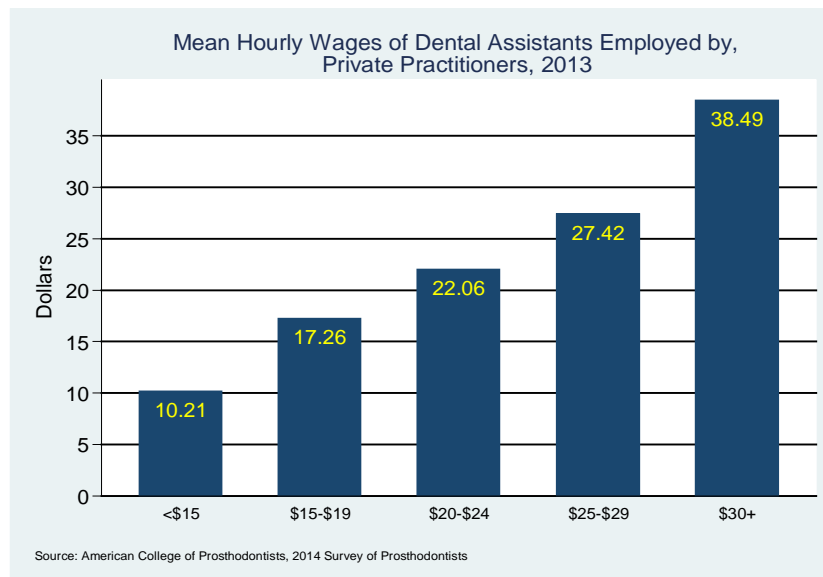
The hygienist wages reported by respondents reached an average \$43.43 per hour. Experience of the dental hygienist in the practice where the respondent was located averages about 10.4 years compared to an average 8.9 years of employment prior to the practice. Average hourly wages of hygienists tend to increase with increases in the mean number of years of experience in the practice. The average hygienist wage was \$43.43 with a 95% confidence interval of plus or minus \$5.31. **Note:** The 95% confidence interval is calculated in this table only for the overall average dental hygienist hourly wage.



Mean Wages of Dental Assistants for Different Years of Experience in the Practice and Prior Employment, Private Practitioners, 2013

Assistant	Mean		Mean	Mean Years
Hourly	Hourly	Standard	Years of	of Prior
Wages	Wage	Deviation	Number	Experience
				Employment
<\$30	\$10.21	\$4.26	11	4.9
\$30-\$34	\$17.26	\$1.29	20	6.0
\$35-\$39	\$22.06	\$0.98	22	10.5
\$40-\$44	\$27.42	\$1.40	10	8.6
\$45+	\$38.49	\$9.75	6	10.0
Total	\$20.98	\$8.19	69	7.7
95% CI:	\$20.98	+/-	\$1.97	

The assistant wages reported by respondents reached an average \$20.98 per hour with a 95% confidence interval of plus or minus \$5.31. Experience of the dental assistant in the practice where the respondent was located averaged about 7.7 years compared to an average 7.4 years of employment prior to the practice. Wages of assistants tend to follow the years of experience in the practice. The difference in years of experience in the practice and employment prior to the practice is not as great for dental assistants compared to dental hygienists (see the previous page). Also, the average assistant wages are less than the average hourly wage of hygienists. **Note:** The 95% confidence interval is calculated in this table only for the overall average dental assistant hourly wage.



Mean Wages of Dental Laboratory Technicians for Different Years of Experience in the Practice and Prior Employment, Private Practitioners, 2013

Lab Tech	Mean Hourly Wages	Standard Deviation	Number	Mean Years of Experience	Mean Years of Prior Employment
Total	\$36.04	\$14.91	23	9.22	10.70
95% CI:	\$36.04	+/-	\$6.45		

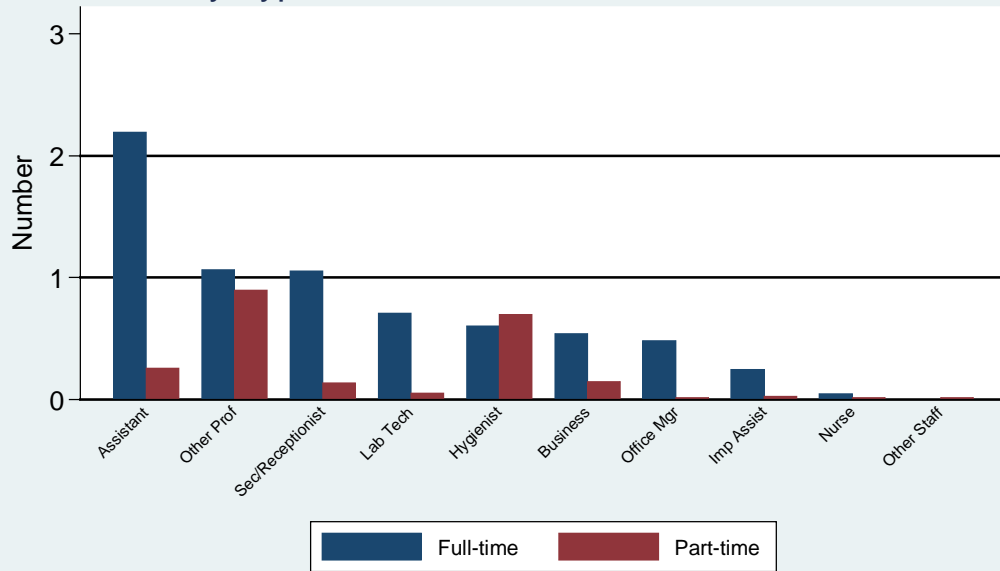
Only 23 prosthodontists reported the hourly wages paid to lab technicians. The laboratory technician wages reported by these 23 respondents reached an average \$36.04 per hour with a 95% confidence interval of plus or minus \$6.45. Experience of the lab tech in the practice where the respondent was located averaged about 9.2 years compared to an average 10.7 years of employment prior to the practice. The average years of both experience in the practice and employment prior to the practice for lab techs exceeds both the experience and employment for dental hygienists and dental assistants. **Note:** The 95% confidence interval is calculated in this table only for the overall average laboratory technician hourly wage.

**Mean Number of Full- and Part-time Staff Employed in the Practice by Type of Staff
Private Practitioners, 2013**

Type of Staff	FULL-TIME				PART-TIME			
	Mean	Standard	95%		Mean	Standard	95%	
	Number Staff	Deviation	Number	Interval (+/-)	Number Staff	Deviation	Number	Interval (+/-)
Dental Hygienist	0.61	1.04	109	0.20	0.70	1.17	109	0.22
Dental Assistant	2.19	3.63	109	0.69	0.26	0.58	109	0.11
Lab Technician	0.71	2.39	109	0.45	0.06	0.23	109	0.04
Implant Assistant	0.25	0.92	109	0.18	0.03	0.16	109	0.03
Secretary/Receptionist	1.06	2.07	109	0.39	0.14	0.40	109	0.08
Business Staff	0.54	1.29	109	0.24	0.15	0.40	109	0.08
Office Manager	0.48	1.04	109	0.20	0.02	0.13	109	0.03
Nurse	0.05	0.48	109	0.09	0.02	0.19	109	0.04
Other Professional	1.06	4.30	109	0.82	0.90	5.19	109	0.99
Other Staff	0.00	0.00	109	0.00	0.02	0.13	109	0.03

Each respondent prosthodontist was requested to report the number of full- and part-time staff in the practice. Among full-time staff, prosthodontists reported employing 2.2 dental assistants followed by 1.1 secretary/receptionists, and 0.6 dental hygienists. Among part-time staff, respondents reported 0.7 dental hygienists followed by 0.3 dental assistants, 0.2 business staff and 0.1 secretary/receptionists.

Mean Number of Full- and Part-Time Practice Staff, by Type of Staff, Private Practitioners, 2013

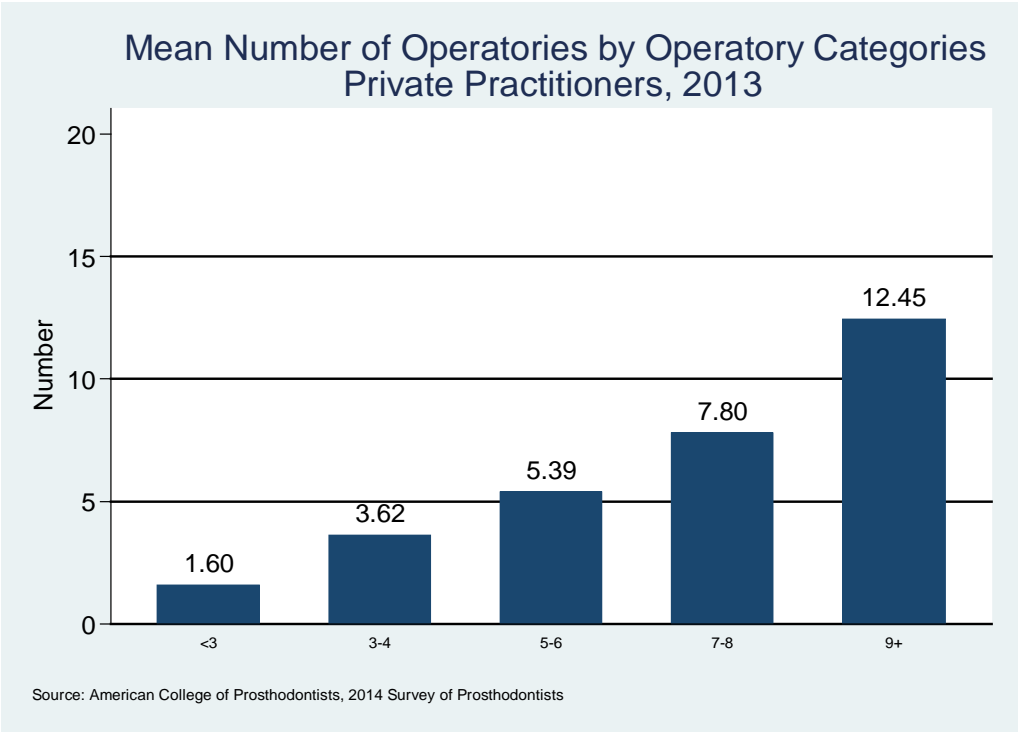


Source: American College of Prosthodontists, 2014 Survey of Prosthodontists

Mean Number of Operatories in the Practice Private Practitioners, 2013

Number of Operatories		Mean		
Number	Percentage	Number of Operatories	Standard Deviation	
<3	20	18.18	1.60	0.60
3-4	45	40.91	3.62	0.48
5-6	18	16.36	5.39	0.50
7-8	5	4.55	7.80	0.45
9+	22	20.00	12.45	3.46
Total	110	100.00	5.50	4.09
95% CI:	5.50	+/-	0.77	

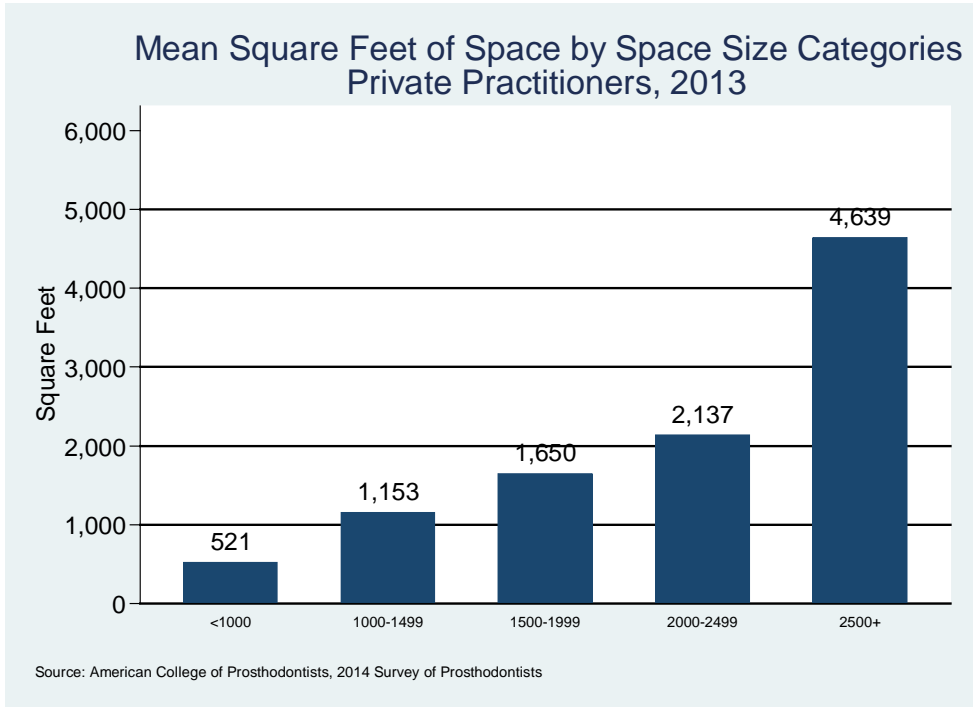
The mean number of operatories reported by respondents was 5.5 operatories in the practice. Almost 18 percent of respondents reported less than 3 operatories in the practice but 20% reported 9 or more operatories. The largest percentage of respondents (41%) reported having 3-4 operatories in the practice. **Note:** The 95% confidence interval is calculated in this table only for the overall average number of practice operatories.



Mean Square Feet of Office Space in the Practice Private Practitioners, 2013

		Mean		
Square Feet			Square Feet	Standard
Office Space	Number	Percentage	Office Space	Deviation
<1000	18	19.15	521	287
1000-1499	17	18.09	1153	128
1500-1999	17	18.09	1650	141
2000-2499	19	20.21	2137	167
2500+	23	24.47	4639	1896
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Total	94	100.00	2174	1775
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95% CI:	2,174	+/-	364	

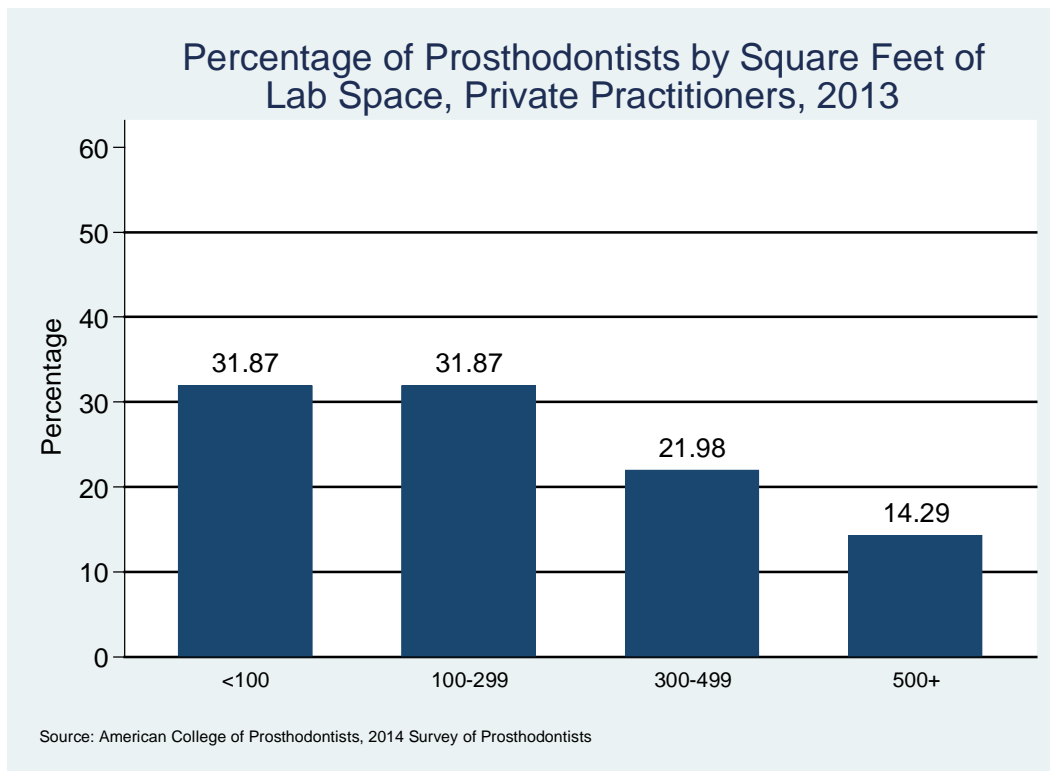
The mean square feet of office space reported by prosthodontists was 2,174 square feet. About 19% of respondents reported less than 1,000 square feet. Eighteen percent of respondents reported having 1000-1499 square feet and another 18% reported 1500-1999 square feet. About 24% indicated they had 2500 or more square feet of office space. **Note:** The 95% confidence interval is calculated in this table only for the overall average square feet of office space.



**Mean Square Feet of In-Office Laboratory Space
Private Practitioners, 2013**

			Mean	
Square Feet			Square Feet	Standard
Lab Space	Number	Percentage	Lab Space	Deviation
<100	29	32.58	37.69	27.40
100-299	29	32.58	159.97	51.92
300-499	20	22.47	351.00	55.24
500+	11	12.36	868.18	350.91
Total	89	100.00	250.58	288.72
95% CI:	251	+/-	61	

The average amount of in-office laboratory space was 251 square feet. More than 65% of respondents reported the amount of lab space in their office was less than 300 square feet. About 12% of respondents reported 500 or more square feet of in-office laboratory space. **Note:** The 95% confidence interval is calculated in this table only for the overall average square feet of laboratory space.



**Percentage of Referrals to Prosthodontists by Source of Referral
Private Practitioners, 2013**

Referral Source	Mean	Standard Deviation	Number	95%
	Percentage Referrals			Confidence Interval
General Dentist	21.60	24.88	103	9.73
Periodontist	11.78	13.70	103	5.36
Oral Surgeons	10.98	12.78	103	5.00
Orthodontists	4.55	7.24	103	2.83
Other Specialists	3.57	7.43	103	2.90
Patients	25.46	25.80	103	10.09
Patient Self Referral	12.79	19.68	103	7.69
Other Sources	9.27	20.42	103	7.98

General dentists refer about 22% of all referrals to prosthodontists. Patients refer about 25% of all referrals, and patient self referrals represent about 13% of referrals. Oral & maxillofacial surgeons, periodontists, orthodontists and other specialists refer about 31% of all referrals made to prosthodontists. All other sources represent about 9% of all referrals to prosthodontists. .

