

## Appendix B

Under Job Title, only coding professionals showed a significant difference ( $p=.0211$ ). Respondents were more likely than the larger population surveyed to be coding professionals. The results in the categories of other and all other titles seem to indicate that fewer of the persons with non-HIM titles responded to the survey. Given the focus of this survey on documentation and coding practices, the larger number of respondents with a coding title and a lower number of respondents with other titles is not surprising. The persons with the other titles were not eliminated from the surveyed population since the AHIMA member data is self-reported and the reliability and validity of the data has not been established. In ethnic background there were significantly more ( $p=.0131$ ) biracial/multiracial respondents than in the population; but for both, this group accounted for less than two percent.

The demographic highest educational degree showed a significant difference ( $p=.0245$ ) with more persons in the population having a baccalaureate degree than respondents. It is notable that the associate's degree, high school graduate, and AHIMA ISP program percentages were higher for the respondents than those sent the survey. Given the level of significance attained only for baccalaureate degree, this is not considered to have an effect on the results. This result is consistent with the results for the job title where there were more coding professional respondents. Coding professional certifications do not require a baccalaureate degree. Professionals with baccalaureate or higher degrees often have management or duties other than coding. Years in position had two significant categories: less than one year ( $p=.0053$ ) and one to four years ( $p=.0303$ ). The percentage differences between the categories are almost exactly reversed. This may indicate that persons with slightly more experience were more comfortable responding to the survey.

The state category comparison between the population and those surveyed is limited to those states representing greater than five percent of the population or the respondents. Significant differences in the percentage of respondents when compared to the population were found for Minnesota and New York. This is probably due to two factors. First, Minnesota is home to the Mayo Clinic Health System in many different communities. Mayo is a premier research organization and those HIM professionals are likely to be more sensitized to the need to cooperate with research requests. Second, the request to complete the survey indicated that claims data from three states, one of them Minnesota, would be used to compare code assignment by documentation method. This might have encouraged Minnesota professionals to respond. The difference in the percentage of respondents and population from New York was nearly significant. The reasons are unknown. The only significant difference in member type was in the student category ( $p=.0302$ ). There were more students in the population than the respondents. The demographics of gender, years in HIM profession, ambulatory care, physician practice, and HIM specialty setting did not show any significant differences between the surveyed population and the respondents. The descriptive results of the survey will not be adjusted or weighted.

## Test of Proportions between Population and Sample

Variable	Population Surveyed, not including missing	Respondent, not including missing	p-value for difference in test of proportions
<b>Job Title</b>	<b>n=4363</b>	<b>n=340</b>	
Coding Professional	27.1	32.9	0.0211
Director	14.7	12.6	0.2902
Manager	13.9	17.6	0.0595
Other	10	7.4	0.1206
Consultant	6.2	5.9	0.8249
Supervisor	5.4	5.3	0.9373
All other titles	22.7	18.3	0.0608
<b>Gender</b>	<b>n=4302</b>	<b>n=339</b>	
Female	91.7	94.1	0.1194
Male	8.3	5.9	0.1194
<b>Ethnic Background</b>	<b>n=3980</b>	<b>n=317</b>	
Caucasian	83.7	84.9	0.5769
African American	7.9	6.3	0.3061
Hispanic	3.3	2.5	0.4389
Asian/Pacific Islander	3	2.8	0.8404

<b>Variable</b>	<b>Population Surveyed, not including missing</b>	<b>Respondent, not including missing</b>	<b>p-value for difference in test of proportions</b>
Native American	1.6	1.9	0.6841
Biracial/Multiracial	0.5	1.6	0.0131
<b>Years in HIM Profession</b>	<b>n=4278</b>	<b>n=333</b>	
Less than 1	2.7	1.2	0.097
1 to 4	12.3	11.7	0.7478
5 to 10	24	28.8	0.0493
11 to 19	28.9	28.2	0.786
20 to 29	23.6	21.6	0.4067
30 or more	7.4	8.1	0.6394
NA	1.2	0.3	0.1353
<b>Highest Educational Degree</b>	<b>n=4370</b>	<b>n=339</b>	
Associate's Degree	34.5	37.2	0.3144
Baccalaureate Degree	34.3	28.3	0.0245
Master's Degree	9.5	8.6	0.585
HIM Certificate Program	8.1	8.3	0.8966
High School Graduate	4.9	5.6	0.5671
AHIMA ISP Program	4.3	5.9	0.1671

<b>Variable</b>	<b>Population Surveyed, not including missing</b>	<b>Respondent, not including missing</b>	<b>p-value for difference in test of proportions</b>
<b>Years in Position</b>	<b>n=4325</b>	<b>n=340</b>	
Less than one year	16	10.3	0.0053
One to four years	40.5	46.5	0.0303
Five to 10 years	26.4	28.2	0.4692
11 to 19 years	11.9	11.2	0.7006
20 or more years	5.2	3.8	0.2585
<b>State of Practice</b>	<b>n=4505</b>	<b>n=438</b>	
CA	6.1	5.9	0.8672
TX	6.3	5	0.2809
FL	5.2	4.6	0.5874
IL	4.8	5	0.852
MN	4.6	7.8	<b>0.003</b>
WI	4.1	4.3	0.8406
OH	4.1	3.4	0.4774
NY	4.2	6.2	0.0508
<b>Member Type</b>	<b>n=4519</b>	<b>n=348</b>	
ACT	84.2	87.6	0.0918
ASSOC	8.5	7.8	0.651

<b>Variable</b>	<b>Population Surveyed, not including missing</b>	<b>Respondent, not including missing</b>	<b>p-value for difference in test of proportions</b>
GRAD	2.9	2.6	0.7471
HON	0	0	1
SEN	0.8	0.6	0.6839
STU	3.6	1.4	<b>0.0301</b>
<b>Ambulatory Care</b>	<b>n=3188</b>	<b>n=245</b>	
Ambulatory Surgery Center	42.8	42	0.8073
Freestanding Ambulatory Care Facility	12.1	11.8	0.8896
Other	39.8	41.6	0.5793
Other (please specify)	5.3	4.5	0.5882
Specialty Practice	0	0	1
<b>Physician Practice</b>	<b>n=2156</b>	<b>n=158</b>	
Group Practice	44.5	48.7	0.3055
Individual (General) Practice	6.8	7	0.9233
Managed Care/HMO/PPO Office	6.8	7.6	0.7009
Other	14.6	10.1	0.1188
Other (please specify)	2	3.2	0.3079
Specialty Practice	25.2	23.4	0.6144

<b>Variable</b>	<b>Population Surveyed, not including missing</b>	<b>Respondent, not including missing</b>	<b>p-value for difference in test of proportions</b>
<b>HIM Specialty Setting</b>	<b>n=849</b>	<b>n=76</b>	
Home Healthcare Agency	5.8	6.6	0.7761
Hospice	1.6	2.6	0.5161
Integrated System Corporate Office	25.9	28.9	0.5685
Other	37.7	35.5	0.7043
Other (please specify)	3.3	2.6	0.7413
Rehabilitation Facility	12.7	14.5	0.6532
Rural Health Clinic	10.7	6.6	0.2612
Student Health Center	1.6	1.3	0.8405
Veterinary Clinic/Hospital	0.6	1.3	0.4694