

Research engagement of health sciences librarians: a survey of research-related activities and attitudes

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Table 17
Research competency levels, by work affiliation

	Academic		Hospital		Other		Total	
	n	%	n	%	n	%	n	%
Ability to do collaborative research with a team								
Highly skilled	79	39%	32	22%	19	34%	130	32%
Average	113	55%	91	63%	28	50%	232	57%
Very little skill	12	6%	21	15%	9	16%	42	10%
Total	204	100%	144	100%	56	100%	404	100%

$\chi^2(4, n=404)=16.89; p=0.002.$

Ability to identify and define applicable research questions

Highly skilled	51	25%	17	12%	10	18%	78	19%
Average	121	59%	93	65%	34	61%	248	62%
Very little skill	32	16%	33	23%	12	21%	77	19%
Total	204	100%	143	100%	56	100%	403	100%

$\chi^2(4, n=403)=10.58; p=0.032.$

Knowledge and ability to select appropriate quantitative and qualitative methodologies for a given situation or question

Highly skilled	17	8%	5	3%	9	16%	31	8%
Average	119	58%	65	45%	19	35%	203	50%
Very little skill	68	33%	74	51%	27	49%	169	42%
Total	204	100%	144	100%	55	100%	403	100%

$\chi^2(4, n=403)=22.24; p=0.000.$

Knowledge and ability to use common statistical techniques

Highly skilled	7	3%	4	3%	4	7%	15	4%
Average	67	33%	53	37%	22	39%	142	35%
Very little skill	130	64%	87	60%	30	54%	247	61%
Total	204	100%	144	100%	56	100%	404	100%

$\chi^2(4, n=404)=3.61; p=0.461.$

Ability to understand the strengths and limitations of research studies

Highly skilled	47	23%	18	13%	11	20%	76	19%
Average	129	63%	90	63%	32	57%	251	62%
Very little skill	28	14%	35	24%	13	23%	76	19%
Total	204	100%	143	100%	56	100%	403	100%

$\chi^2(4, n=403)=10.97; p=0.027.$



	Academic		Hospital		Other		Total	
	n	%	n	%	n	%	n	%
Ability to interpret research findings for significance and usefulness								
Highly skilled	46	23%	19	13%	11	20%	76	19%
Average	122	60%	90	63%	32	57%	244	61%
Very little skill	34	17%	34	24%	13	23%	81	20%
Total	202	100%	143	100%	56	100%	401	100%

$\chi^2(4, n=401)=6.52; p=0.164.$

Ability to accurately summarize research findings for professional communication

Highly skilled	68	33%	34	24%	18	32%	120	30%
Average	115	56%	82	57%	21	38%	218	54%
Very little skill	21	10%	28	19%	17	30%	66	16%
Total	204	100%	144	100%	56	100%	404	100%

$\chi^2(4, n=404)=18.24; p=0.001.$

Ability to obtain funding and resources for internal and external research projects

Highly skilled	13	6%	8	6%	5	9%	26	7%
Average	93	46%	47	33%	18	32%	158	40%
Very little skill	95	47%	88	62%	33	59%	216	54%
Total	201	100%	143	100%	56	100%	400	100%

$\chi^2(4, n=400)=8.83; p=0.066.$