

RESEARCH QUESTION

Is the information training provided for ETSU residents adequate?

METHODOLOGY

Survey questionnaire of 217 East Tennessee State University medical residents from the 2005/2006 class. There were 105 surveys returned for a 48% response rate.

LITERATURE

Green and Ruff (2005) illustrated the poor state of usage of information by physicians in general and medical residents in particular:

- Physicians
 - leave the majority of their clinical questions unanswered.
 - witness their medical knowledge deteriorate after their training.
 - demonstrate wide practice variations for clinical maneuvers with established efficacy.
- Similarly, residents pursue only 28% of their clinical questions, often consulting non-evidence based information resources (p. 176). Academic Medicine, 80, 176-182

Shin, Haynes and Johnston (1993)

- Found significant differences among how physicians treated patients with hypertension based on when they finished their training. CMAJ, 148, 969-76

Green, Ciampi and Ellis (2000) studied the information use of primary care residents at Yale. They found:

- The residents had two information needs for every three patients seen.
- They discovered that:
 - The residents thought that 70% of their questions would change patient management...Of these, the residents pursued 29%.
- Reasons for not pursuing the remaining questions included lack of time (60%). American Journal of Medicine, 109, 218-23



Linking Medical Residents to Training: An Analysis of Training Needs

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RESULTS

Have you received clinical information training from attending physicians?

	Frequency	Percent
No Answer	6	5.7
Yes	64	61.0
No	35	33.3
Total	105	100.0

Have you received clinical information training from librarians?

	Frequency	Percent
No Answer	7	6.7
Yes	72	68.6
No	26	24.8
Total	105	100.0

Which of the following would you like to see in a library orientation?

	No Answer	Yes f	Yes %	Rank
An overview of all available library resources and services	3	77	73.3%	1
An in-depth description of local electronic resources	3	60	57.1%	3
Instruction on searching locally available databases	3	69	65.7%	2
PDA instruction	3	57	54.3%	4
Other		7	6.7%	5

Would you like to have a Clinical Medical Librarian for your program?

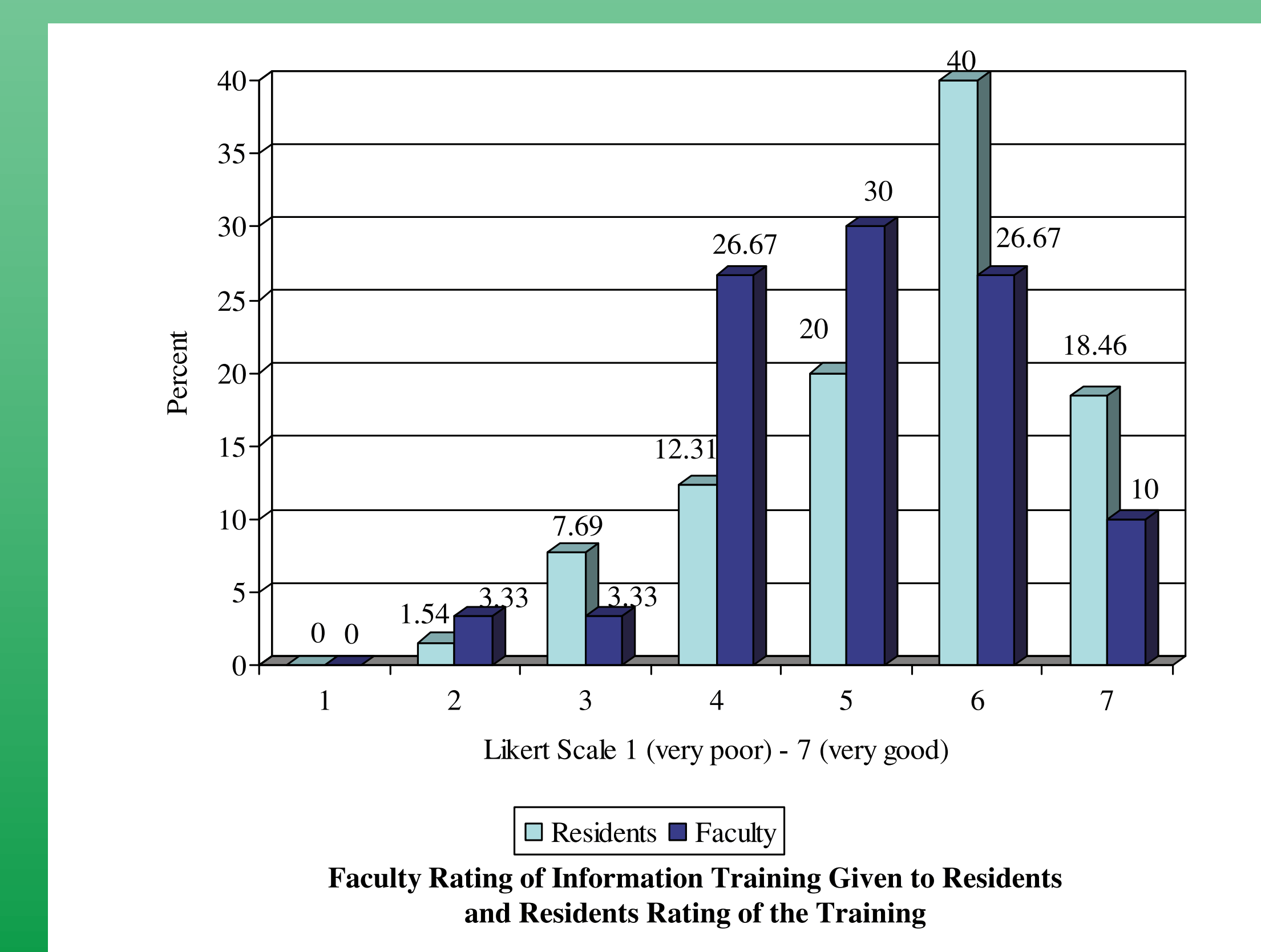
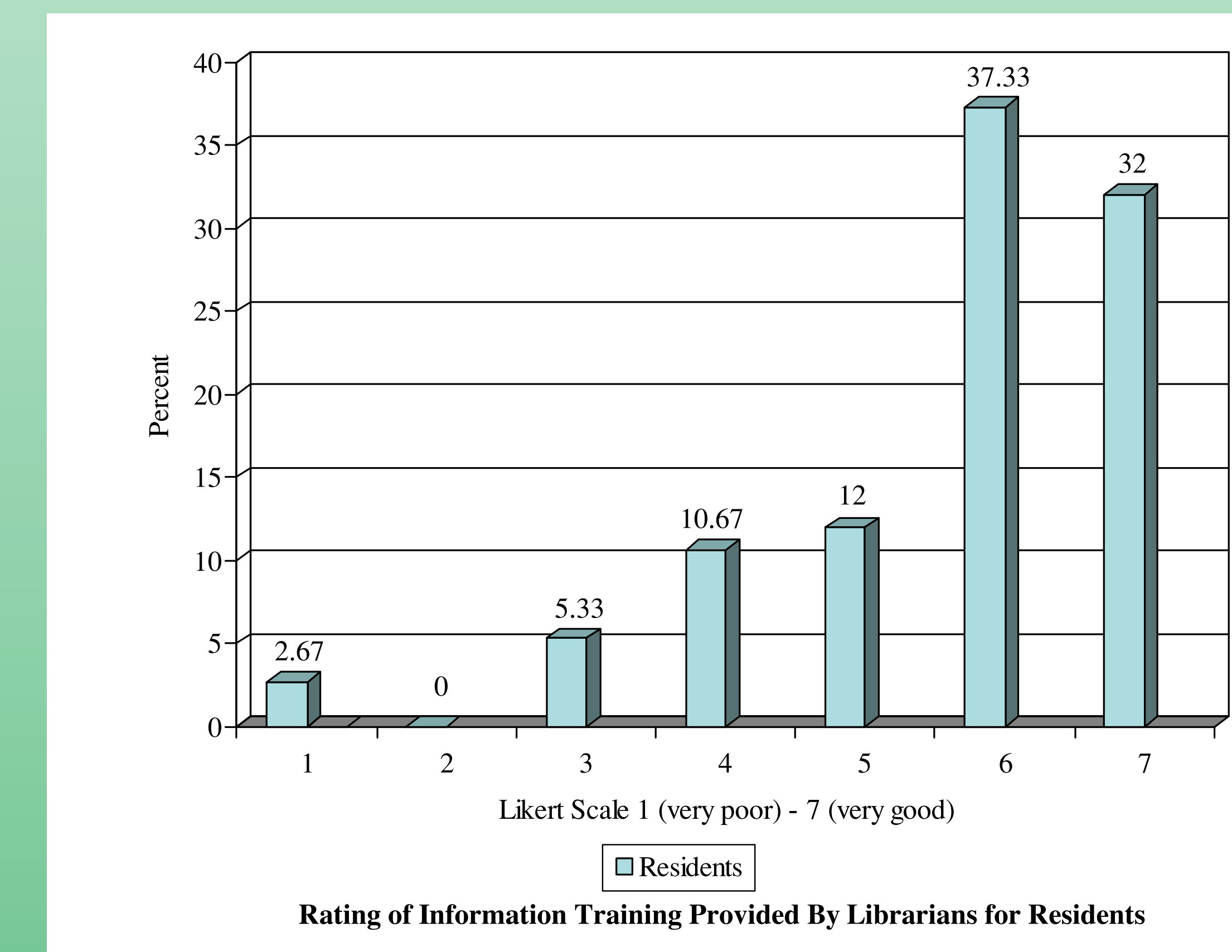
Program	No Answer	Yes	No	Percent	Total
Family Medicine	1	32	5	86.5	38
Internal Medicine	0	17	1	94.4	18
Obstetrics/Gynecology	0	2	3	40.0	5
Pathology	0	0	5	0	5
Pediatrics	0	7	0	100	7
Psychiatry	1	10	1	91.1	12
Surgery	1	14	5	73.7	20
Total	3	82	20		105

There was a significant relationship between desire for CML and the type of residency ($\chi^2 = 31.823$, $df = 6$, $p = .000$). The strength of the relationship was moderately strong (Cramer's V = .599, $p = .000$).

Faculty- Do You Have a Formal EBM Training Program in Your Residency Program?

Response	f	%
No Answer	7	15.9
Yes	28	63.6
No	9	20.5
Total	44	100.0

There was no statistically significant difference between residency programs regarding having a formal EBM program ($\chi^2 = 10.088$, $df = 5$, $p = .073$).



SOLUTIONS APPLIED

- Aggressive presenting at noon conferences.
- Increased involvement as clinical librarians.
- Highly advertised list of classes offered focused on residents time schedules.

College of Medicine Library Class Schedule for March 2008

Please contact Nakia Carter at cartern@etsu.edu or 439-6246 to register. Registration is open up to 24 hours before the start of any class.

Monday, Wednesday, Friday March 3-31, 2008 at 3 pm and 7 pm

How to Use:

DynaMed	UptoDate
National Guideline Clearinghouse	PsychInfo
Cinahl	PubMed
MicroMedex	ePocrates
PDA's	ABI Inform
Lexis-Nexis	MDCConsult
StatRef	R2(Electronic Books)
NetLibrary	Millennium - online catalog
RefWorks	MeSH (Medical Subject Headings) - PubMed
Limits from PubMed	TRIP
InfoRetriever	Google
E-journals	Medical Library Portal
MedlinePlus	Tennessee Electronic Library (TEL)
Loansome Doc	Searching PubMed for Best Evidence
Accessing Library Resources Off-Campus	Toxnet
ACP Journal Club	My NCBI
Mental Measurements Yearbook	Finding Health Statistics (HIT, WONDER, etc)
Natural Standard (Alt Med)	Science Citation Index/Web of Science

Tuesday, Thursday March 4-27, 2008 at 3 pm and 7 pm

Critical Appraisal:

Therapy Articles	The 5 A's of EBM
Diagnosis Articles	Asking Clinical Questions (PICO)
Harm Articles	Why EBM?
Prognosis Articles	The Evidence Pyramid
Systematic Reviews	
Qualitative Articles	

Any Classes Listed Above will be offered on Sunday March 2, 9, 16, 23, & 30, 2008 from 3-7.

Note: You must call or email to schedule a class. We will come to your clinic or office including Bristol and Kingsport sites.