

Unique

This presentation describes the collaboration of physical therapy faculty and university librarian in teaching elements of evidence-based practice in Scientific Inquiry 1 in the DPT curriculum including:

- Write a patient-centered clinical question

P: Patient/Problem/Population
I: Intervention
C: Comparison
O: Outcome

- Develop an effective search strategy
- Search electronic databases for articles

Although the literature contains examples of faculty-librarian collaboration in other disciplines, reports about the collaboration in physical therapy programs are scarce and this collaborative teaching model is unique

Purpose

- Combine the clinical and research expertise of PT faculty with the information retrieval expertise of the librarian
- Provide learning experiences to prepare DPT students to **find, evaluate, and use information** from the literature to inform clinical decisions

Foundation

- Evaluative Criteria for the Accreditation of Education Programs for the Preparation of Physical Therapists – C.A.P.T.E.*
- Literacy Competency Standards for Higher Education – A.C.R.L.*

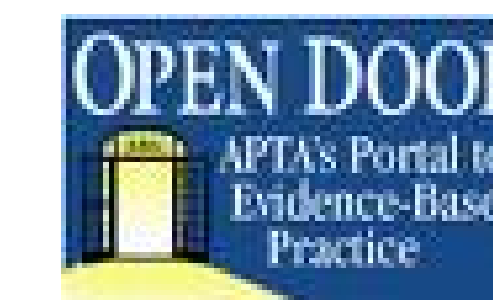
Description

- 2-credit course spring semester of the first DPT year
- Students learn:
 - concepts of evidence-based practice
 - to evaluate RCTs, Systematic Reviews, Meta-analysis, Case report through examination of the methods used to conduct clinical research in physical therapy
 - to access the professional literature using electronic databases:

CINAHL® Plus with Full Text



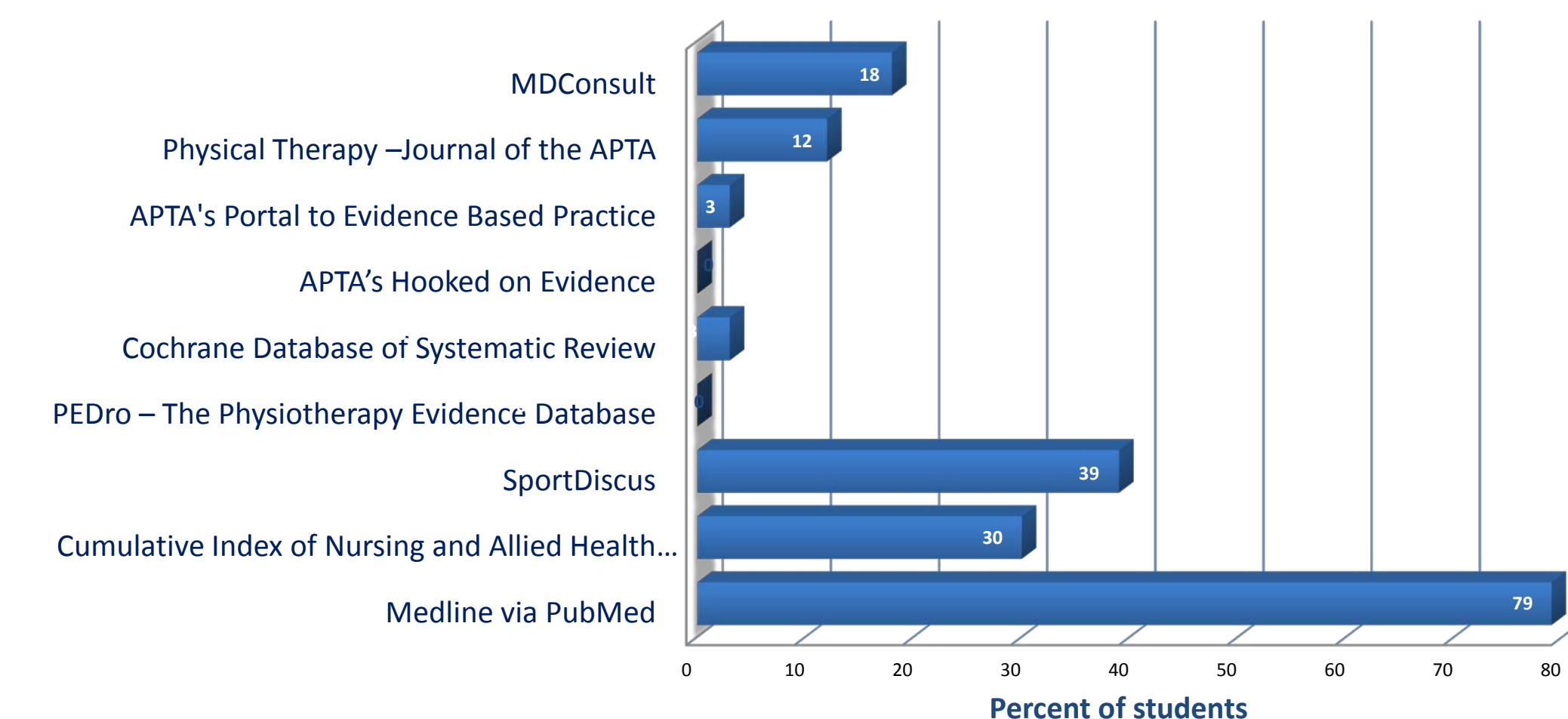
SPORTDiscus™ with Full Text



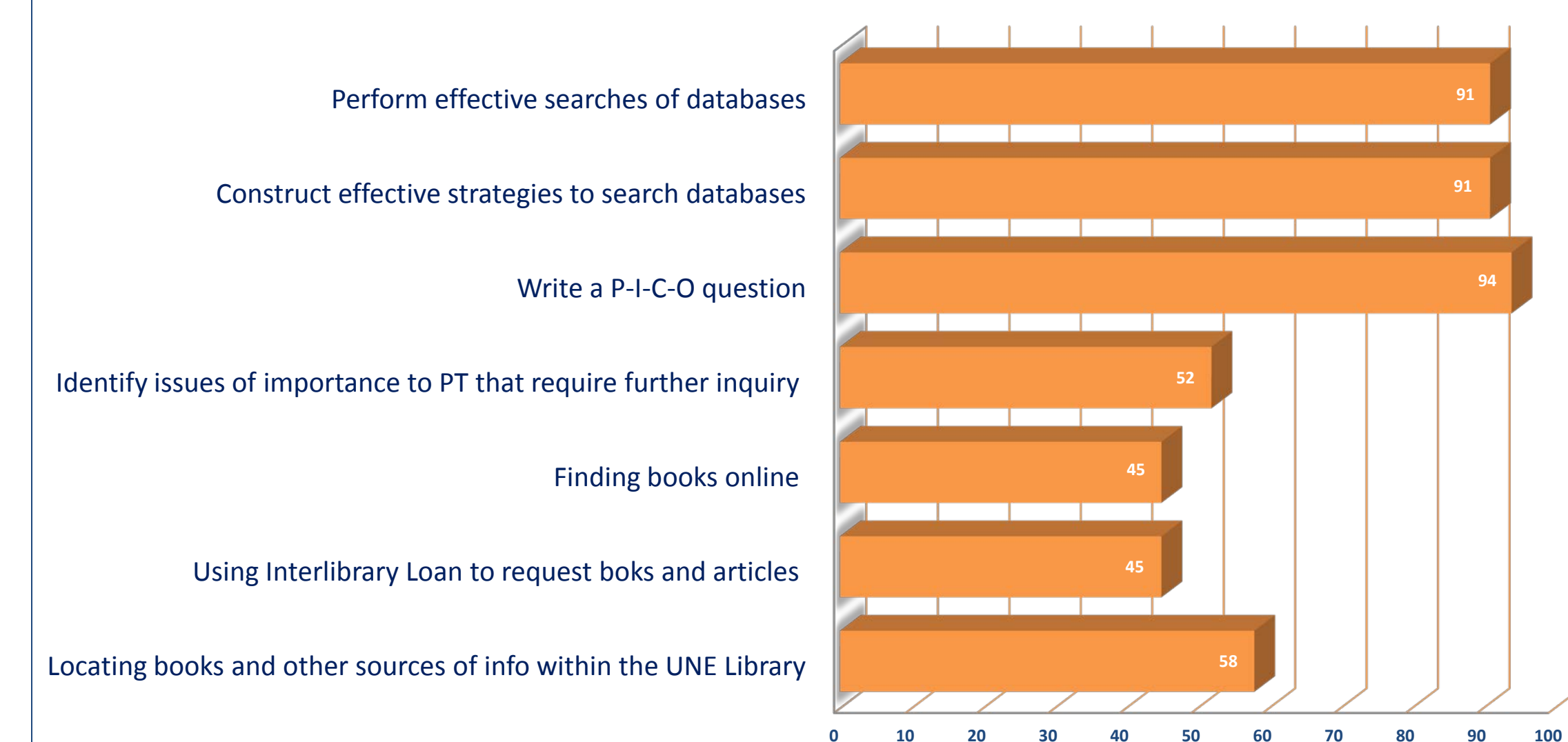
- Assignments complement instruction about each database
- Survey assessed student confidence in formulating clinical questions, searching and locating information, and to ascertain the effectiveness of the course pedagogy

Observations

Information Resources Used by Students BEFORE Scientific Inquiry 1



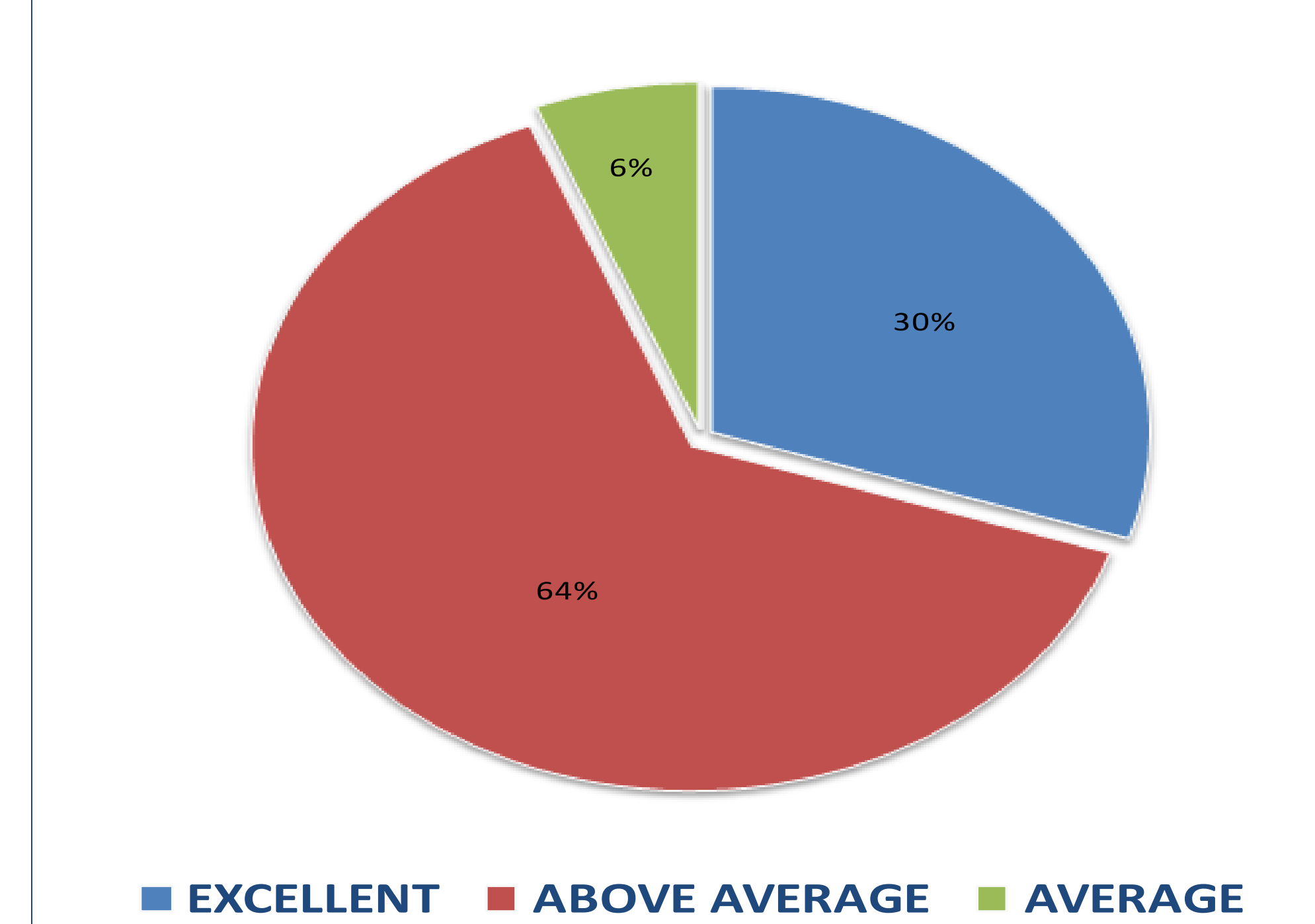
Skills developed or enhanced



Percentage of Student Responses about Computer Classroom Activities from Course Evaluations

EVALUATION PROMPT	SA	A	N	D	SD
The classes developed my awareness of the range of library resources available to me in physical therapy (N =33)	72	27	0	0	0
The hands-on practice with the computer was effective in helping me learn how to use the resources (N =33)	58	39	3	0	0
The amount of time dedicated to instruction and practice of each database was adequate (N =33)	52	33	12	3	0
The homework assignments related to searching the databases reinforced my learning (N =33)	45	49	3	3	0
The peer teaching activity of students demonstrating their search strategies in class reinforced my learning (N =33)	15	42	30	9	3
I am confident accessing full-text articles, books, e-books, images, interlibrary loan, and other resources using the UNE libraries (N =33)	61	36	3	0	0
The collaboration of PT and Library instructors was effective (N =29)	76	24	0	0	0
I feel comfortable asking for help from a librarian if I need help searching for information (N =29)	79	21	0	0	0
I am confident writing a patient-centered question using P-I-C-O (N =29)	72	28	0	0	0
I am confident in my ability to perform effective literature searches using:					
Medline via PubMed (N = 29).....	86	14	0	0	0
CINAHL (N = 29).....	83	17	0	0	0
SportDiscus (N = 29).....	66	34	0	0	0
PEDro (N = 29).....	31	59	10	0	0
Cochrane Database of Systematic Reviews (N = 29).....	69	31	0	0	0

Student Ratings of E.B.P. Activities



Conclusion

- Overall course design and delivery were successful and well received by students
- PT faculty & librarian agree the collaboration was successful based on their experiences in the classroom and the quality of the students' work
- Results of the survey will be used in the ongoing evaluation of SI 1:
 - provide information about the need for and effectiveness of the training
 - decide if future collaboration is warranted
 - suggest ways to improve instruction

*The faculty worked well with each other
 I found this (librarian & PT faculty) to be very helpful
 I believe both faculty added a great deal to the class*

*I am a very hands on learner, so it helped me learn and retain the information
 I know how to use and search databases which was a skill I didn't have prior to this class
 It helped me build on skills I already had*

*I liked the alternate searching methods demonstrated by my peers
 It was educational to hear other students' strategies; a learning process I might have overlooked
 It was interesting to see what my peers had searched*

*Assignments were designed to practice what was taught previously
 I had to be able to recall what we learned in class, which reinforced it
 Assignments are necessary, but sometimes they just felt like busy work
 Tedious*

*Previously unaware of all the resources that are available
 I never knew we had such a vast array of
 search engines to use*

