

CREATING AND USING AN ACCESS DATABASE TO ENHANCE SUBJECT ANALYSIS AND OBTAIN FACULTY INPUT ABOUT THE JOURNALS COLLECTION

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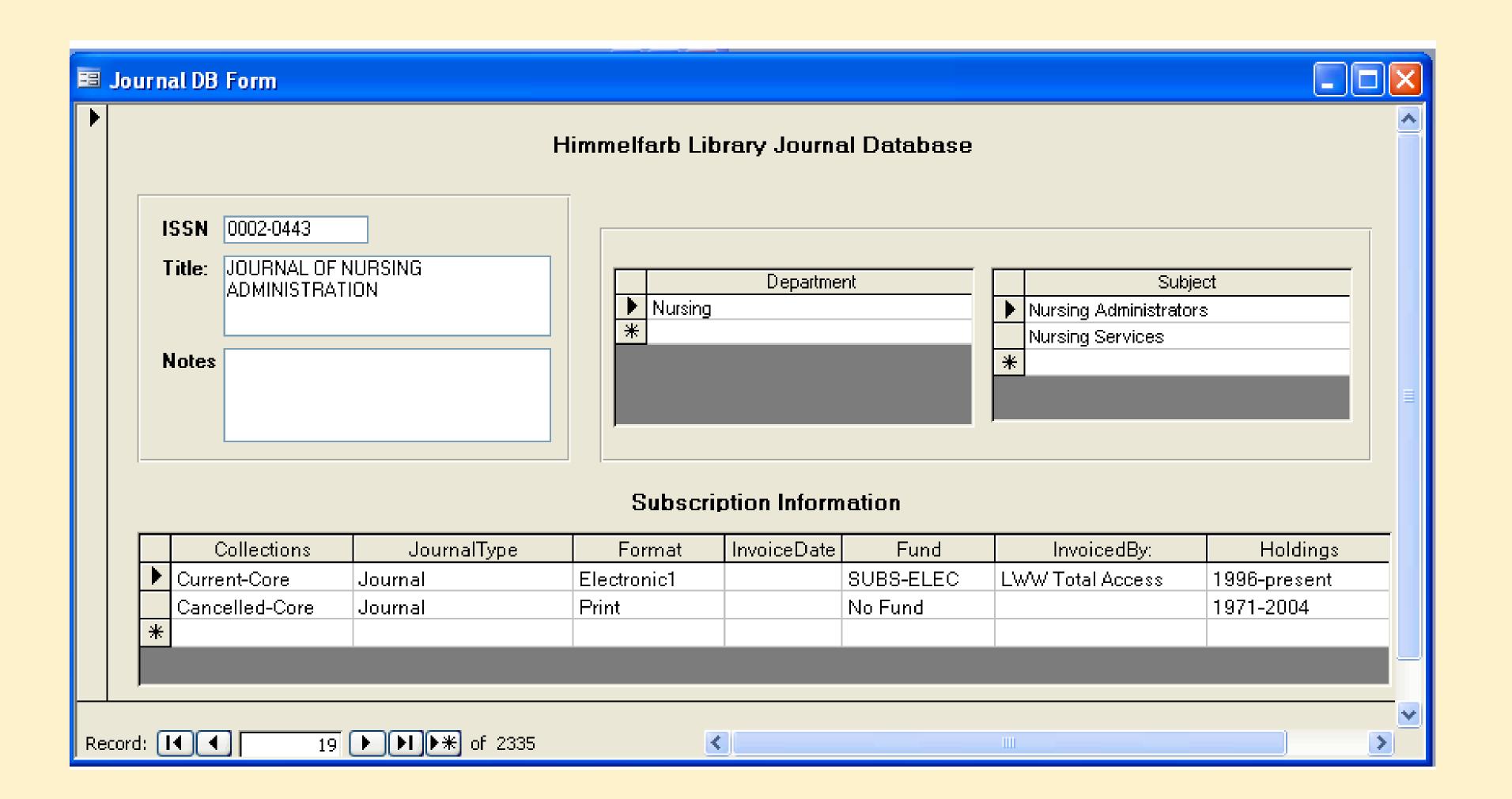
OBJECTIVES

- To develop an in-house database of title-level journal information that supports collection development
- To combine faculty input with various subject and statistical data within the database to maximize the knowledge base for subscription renewal
- To analyze database data to further develop a cost-effective journal collection that supports the mission of The George Washington University Medical Center's educational, research and clinical activities and programs

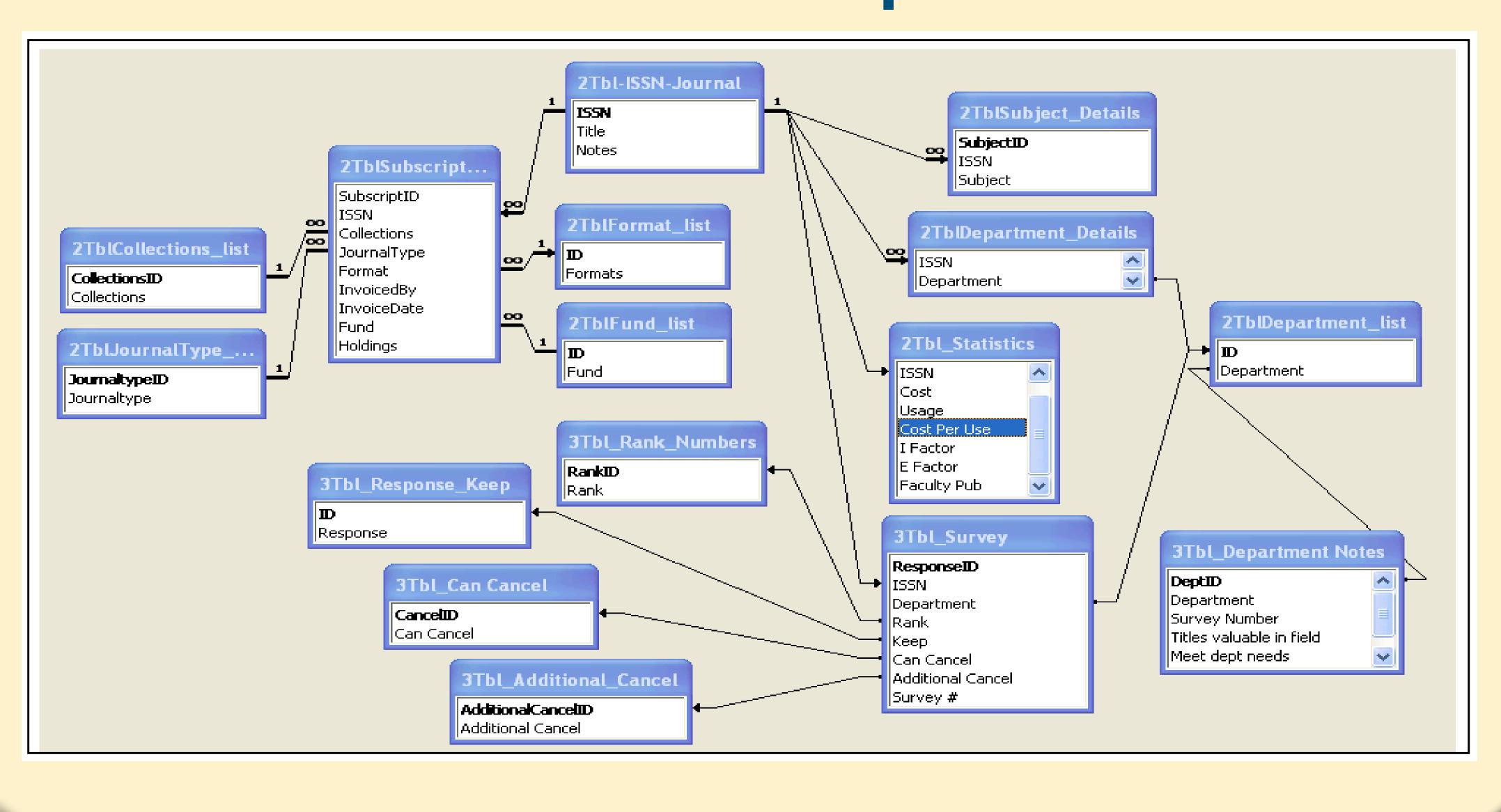
TECHNOLOGY

- Microsoft Access was chosen to collect, organize, query and evaluate data.
- The database was designed to combine titles with MeSH,
- department and title-specific information
- Microsoft Excel was used to transfer data into MS Access and format survey layout

Initial Database Form



Database Relationship Structure



Sample Survey

GWUMC Faculty Survey												
Department: Anesthesiology and Critical Care Medicine												
Below is a list of titles that Himmelfarb Library s input so that we can better understand your dep			-	department's	subject area	a. Please rev	riew the list .	and provide				
		Journal Statistics Review Section Survey Response Se						ction				
Himmelfarb Library Subscriptions	Cost	Usage (2008)	Cost Per Usage	Impact Factor	Eigen Factor	GWUMC Faculty Publics floria Database (2006-08)	Rank top 5	Check any 1 te : that we should de initely keep	Check any titles that you feel can be cancelled	If budget is tight, check add I titles tha could be cance led		
Format: Electronic	Arrial subscription costpatiby the Library	Total usage for year 2008	Year2008	Frequency of the avg article in a journal offed in a given year	Journal sauking by impactand cost	Number of times GW UMC taculty published in the title	Selectard putition 5 In the alea be bw					
ACTA ANAESTHESIOLOGICA SCANDINAMICA	\$490.00	45	\$10.89	1.719	0.0121	0						
AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CAREMEDICINE	\$630.00		\$0.87	9.074								
ANAESTHESIA ANESTHESIA AND ANALGESIA	\$1,176.00 \$723.00			2.315 2.214								
ANESTHESIA AND ANALOESIA	\$723.00		_	4.596								
ANESTHESIOLOGY CLINICS OF NORTH AMERICA	\$638.00			n/a	n/a	_						
BRITISH JOURNAL OF ANAESTHESIA BJA	\$751.00	280	\$2.68	2.948	0.0219	1						
CANADIAN JOURNAL OF ANESTHESIA	\$442.00		n/a	1.808	0.0085	0						
CRITICAL CARE CLINICS	\$638.00	480	\$1.33	1.796	0.0027	1						
INTENSIVE CAREMEDICINE	\$1,239,00	295	9 4 20	n/a	0.0306	2						

Sample Response Report

(Titles that should definitely go. There is no ne	ed for them and the money cou	uld he hetter	used so	mewhere e	dsel				
(Titles that should demintery go. There is no he		ara be better	4304 30		130)				
Title	Department	Cost	Usage	Cost Per Use	l Factor	E Factor	Faculty Pub	Rank	Response
ACTA ANAESTHESIOLOGICA SCANDINAVICA	Anesthesiology	\$490	45	\$10.89	1.719	0.0121	0		Can Cance
ACTA NEUROCHIRURGICA	Neurological Surgery	\$4,045	48	\$84.27	1.391	0.0088	0		Can Cance
ACTA NEUROCHIRURGICA	Neurological Surgery	\$4,045	48	\$84.27	1.391	0.0088	0		Can Cance
ACTA NEUROLOGICA SCANDINAVICA	Neurological Surgery	\$1,130	19	\$59.47	2.099	0.0094	0		Can Cance
ACTA NEUROPATHOLOGICA	Neurological Surgery	\$6,965	56	\$124.38	3.179	0.0147	0		Can Cance
ACTA OBSTETRICIA ET GYNECOLOGICA SCANDINAVICA	Obstetrics/Gynecology	\$1,200	52	\$23.08	1.274	0.012	0		Can Cance
ACTA ORTHOPAEDICA SCANDINAVICA	Orthopedic Surgery	\$525	1	\$525.00	n/a	n/a	0		Can Cance
ACTA TROPICA	Microbiology	\$2,108	443	\$4.76	2	0.0113	2		Can Cance
ADAPTED PHYSICAL ACTIVITY QUARTERLY	Exercise Science	\$315			0.804	0.0007	0		Can Cance
ADAPTED PHYSICAL ACTIVITY QUARTERLY	Health Sciences	\$315			0.804	0.0007	0		Can Cance
ADDICTIVE BEHAVIORS	Psychiatry/Behavioral Sciences	\$1,686	908	\$1.86	1.752	0.0121	0		Can Cance

METHODOLOGY

- Once project team was formed and roles assigned, the initial database was created coupling journal title with subjects, departments and subscription information
- Data was gathered by project team members for 990 core subscription titles (2009 cost information, cost per use, electronic usage statistics, Impact and Eigen factors, in-house publication statistics)
- All data was imported into MS Access database and customized surveys generated by department
- Trial run was conducted with 6 departments by management team visits to department heads informing them of the project and distributing sample surveys. Necessary changes resulting from their input were made.
- Surveys were distributed to full-time faculty with 2 weeks for requested returns. Collection box was set up and electronic returns accepted.
- Surveys were resent to departments with less than 15% response rate.
- All survey responses were entered into Access database and compiled. Reports were generated for analysis



RESULTS

- 518 surveys were sent out with a return rate of 184 (36%)
- Review of analyses of aggregate responses allowed for further compilation of:
- Listing of titles designated as most valuable by the department
- Full listing of titles recommended for retention in the collection

- Full listing of titles recommended for cancellation in the collection
- Additional titles recommended for cancellation in situations of budget constraint
- Faculty's free-text comments and recommendations
- Resulting aggregate reports were then used for renewal decisions

CONCLUSION

- Microsoft Access facilitated collection of title-specific information internally and could also be used for creation of questionnaire to elicit faculty input
- Although use of the database made accomplishment of each stage easier, the project was still time-intensive and required the collaboration of multiple committee members at different times
- The recording of evaluative data for future use makes it an invaluable aid to ongoing collection efforts
- The faculty became more knowledgeable about the many factors contributing to the journal collection