

Research Report, 2002-2007

**Faculty of Health Sciences
American University of Beirut**

October, 2007

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EXECUTIVE SUMMARY

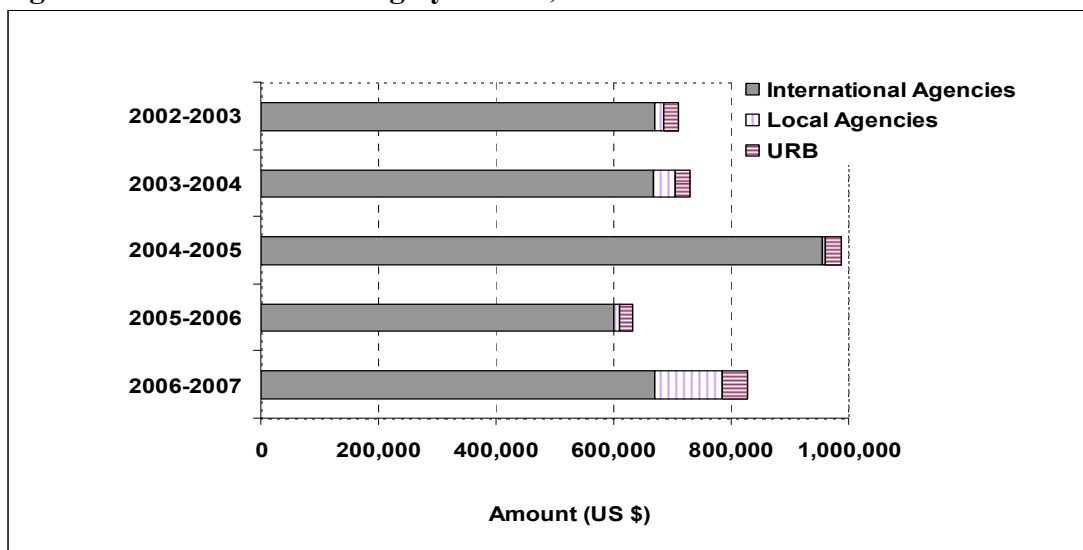
The Faculty of Health Sciences (FHS) has attracted substantial funding over the past five academic years, amounting to nearly 4 million US\$ (Table 1). During the past academic year alone, the Faculty was awarded a total of \$1.95 million for research. The annual amount of funds available for research increased from \$709,008 in 2002-2003 to \$ 827,072 in 2006-2007 (Figure 1). In the past five academic years, the Faculty has obtained 92% of its sponsored research grants from international and regional sources.

Table 1: Summary of Funding by Source, 2002-2007

Funding Source	Amount (US Dollars)
International/Regional	3,561,973
Local agencies	183,665
University Research Board (URB)	139,958
Total	3,885,596

* *Note:* Only funds allocated for expenditure in these years were included.

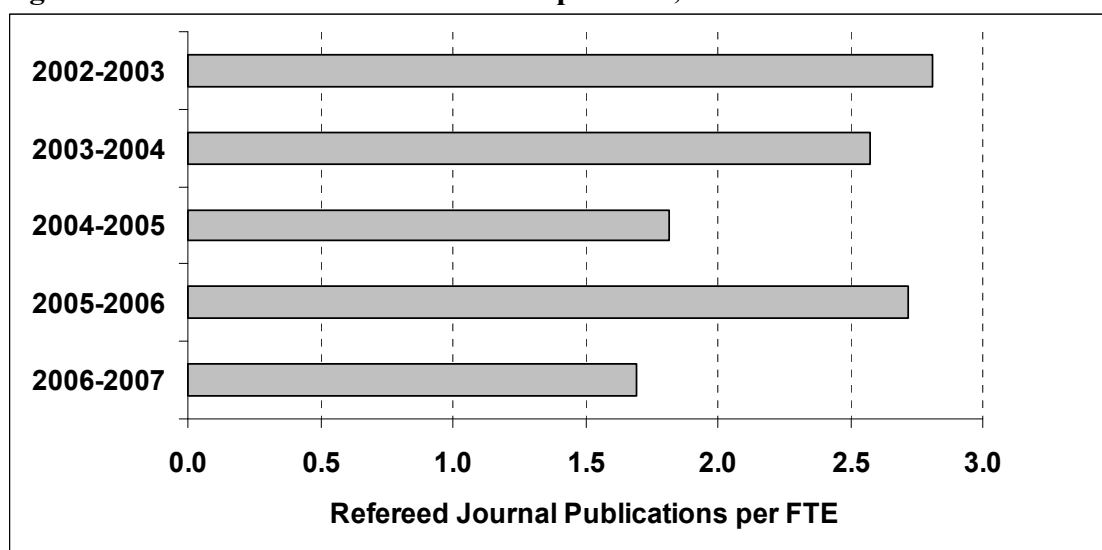
Figure 1: Amount of Funding by Source, 2002-2007



The research output of the Faculty since the academic year 2002-2003 is itemized in Table 2. In the five academic years, publications in refereed journals decreased by 34%. However, the trend was not consistent over the past five years. The number of refereed journal publications increased from 59 in 2002-2003 to 68 in 2005-2006, but then declined to 39 in 2006-2007. The percentage of refereed journal articles as a proportion of the total number of publications dropped by 6% during the past five years. A full-time equivalent (FTE) faculty member published on average 1.7 publications in referred journals in 2006-2007; the corresponding figure in 2002-2003 was 2.8 publications (Figure 2).

Table 2: Summary of Research Output, 2002-2007

Type of Research Output	Number
Refereed journal publications	264
Non refereed journal publications	0
Books	3
Edited books	1
Book chapters	21
Research reports	34
Oral or poster presentations	217
Others (e.g. graduate theses)	48

Figure 2: Refereed Journal Publications per FTE, 2002-2007

With respect to co-operative research activities between the academic years 2002-2003 and 2006-2007, co-authorship within one department at FHS increased by 13%, co-authorship across the five departments increased by 13% and co-authorship with outside institutions decreased by 8%. The proportion of publications with FHS faculty as lead authors decreased by 6%, but this has not been steady over the past five years. The percentage increased from 62.7% in 2002-2003 to 65.5% in 2003-2004, declined to 51.5% in 2005-2006, and then increased to 56.4% in 2006-2007. In the academic year 2006-2007, the proportion of journal publications co-authored with current or recent graduate students was 43.6%.

Between the academic years 2004-2005 and 2006-2007, co-authorship with other Faculties at AUB increased by 18%, co-authorship with national researchers decreased by 7%, co-authorship with regional researchers decreased by 17% and co-authorship with international researchers decreased by 12%, although it increased by 6% between 2005-2006 and 2006-2007.

FHS faculty members continue to publish in high quality international refereed journals. Thus, the proportion of papers published in high quality (A and B) journals was 67% in 2006-2007, with 59% being published in A journals.

INTRODUCTION

The Faculty of Health Sciences (FHS) Research Committee (RC) is pleased to present the fifth Research Report for FHS, covering the past five academic years, 2002-2003 to 2006-2007. This is a regular report published by the RC on an annual basis. The report contains numeric data on FHS research activities and outputs, with a focus on sponsored research and journal publications. The data may be used to monitor progress towards achieving the research objectives listed below:

1. Maintain the average quantity and quality of research publications
2. Maintain the amount of sponsored research
3. Sustain interdisciplinary and collaborative research with AUB Faculties and other universities in Lebanon, the region, and internationally
4. Strengthen student participation in Faculty research

Currently, FHS consists of five departments: Environmental Health, Epidemiology and Population Health, Health Behavior and Education, Health Management and Policy, and Medical Laboratory Technology. The report includes measurable outcomes on the research objectives for FHS as a whole and by department. With respect to research output, the quantity, type, and quality of publications are provided. A full list of the journals in which FHS faculty have published during 2006-2007 is included as Appendix A. A partial list of journals in which FHS faculty have published during 2005-2006 is available in the previous report. Appendix A also includes the most recent Impact Factor, the ranking of journals within the disciplines as defined by the Institute for Scientific Information (ISI), and FHS' ranking of journals.

An electronic copy of this report, written for evaluating URB proposals and the evaluation form are available on the RC website:

http://staff.aub.edu.lb/~webcrph/rc/pdfs/ResearchReport_02_07.pdf .

The RC would like to acknowledge the contributions of Ms. Ruba Ismail-Hamadeh and Ms. Dima Bteddini in preparing this report. We thank Dr. Huda Zurayk, Dean of the FHS, for comments on previous drafts.

Research Committee, 2006-2007

Marwan Khawaja, *Chairperson*

Jocelyn DeJong

Fadi El-Jardali

Rima Habib

Robin Heath

Note: Year refers to the academic year from July 1 to June 30. All amounts are expressed in U.S. dollars.

RESEARCH GRANTS

The FHS has been successful in forming multi-investigator, multi-disciplinary research teams that attract substantial extramural funding. During the past academic year alone, the Faculty was awarded a total of \$1.95 million for research. The annual amount of funds available for research increased from \$709,008 in 2002-2003 to \$ 827,072 in 2006-2007. A summary of the amount of funds per year is displayed in Table 3. Appendix B shows an itemized list for faculty research grants in the year 2006-2007. For an itemized list of faculty research grants in previous years, see Research Reports 2001-2006, 2000-2005 and 2000-2004.

Table 3: Sponsored Research Grant Funding Available for Research, 2002-2007

Source	2006-2007		2005-2006		2004-2005		2003-2004		2002-2003	
	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%
International Agencies	669,573	81.0	599,286	94.8	954,362	96.7	668,590	91.5	670,162	94.5
Local Agencies	115,194	13.9	11,525	1.8	5,915	0.6	37,398	5.1	13,633	1.9
URB	42,305	5.1	21,600	3.4	26,340	2.7	24,500	3.4	25,213	3.6
Total	827,072	100.0	632,411	100.0	986,617	100.0	730,488	100.0	709,008	100.0

Note: The total amount of funding for each grant was divided over the duration of the grant. Thus, the amount for a particular academic year included only the funds allocated for expenditure in that year. Also, only funds allocated to research were included.

PUBLICATIONS

Table 4 shows a detailed distribution of the number of publications, as well as dissemination of research output in conferences by academic year whereas Tables 5 through 9 show distribution by year and department within FHS. The total number of publications decreased by 28% between academic years 2002-2003 and 2006-2007. However, there has not been a consistent trend in the number of publications over the past five years, where the number increased from 127 in 2002-2003 to 137 in 2005-2006 and then declined to 91 in 2006-2007. The items published in refereed journals decreased by 34% over the five academic years. Similarly, the change in the number of items published in refereed journals over the past five years was not steady. The number increased from 59 in 2002-2003 to 68 in 2005-2006 and then declined to 39 in 2006-2007. Presentations at international conferences decreased by 13% over the same period, but there has not been a steady trend in the number of conference presentations. The number increased from 38 in 2002-2003 to 51 in 2003-2004 and then declined to 33 in 2006-2007. Productivity of a full-time faculty member (FTE-research) decreased on average from 2.6 articles in 2002-2003 to 1.4 articles in 2006-2007, the latest figure being close to that reported in 2004-2005. In 2006-2007, 54.2% of Research Active Faculty members published at least two articles in refereed journals.

Table 4.a: Summary of Publications, 2002-2007

Publication Type	2006-2007	2005-2006	2004-2005	2003-2004	2002-2003
Publications in refereed journals	39	68	40	58	59
Publications in non-refereed journals	0	0	0	0	0
Books	1	0	0	1	1
Edited books	0	0	1	0	0
Book chapters	2	4	3	4	8
Research reports (published)	11	7	3	5	8
Total	53	79	47	68	76

Table 4.b: Summary of Conferences/ Presentations/ Others, 2002-2007

Conference Presentations/Others	2006-2007	2005-2006	2004-2005	2003-2004	2002-2003
Oral presentations/ conference papers/ posters	33	50	45	51	38
Others: graduate theses	5	8	11	11	13
Total	38	58	56	62	51

Table 4.c: Summary of Publications in Journals, 2002-2007

Publications in Journals	2006-2007	2005-2006	2004-2005	2003-2004	2002-2003
Articles	33	62	32	47	54
Letters/book reviews/brief reports	6	6	8	11	5
Total	39	68	40	58	59
Total FTE (research)*	23.0	25.0	22.0	22.5	21.0
Article per FTE (research)	1.4	2.5	1.5	2.1	2.6
% of Research active faculty members publishing at least 2 articles per year in refereed journals	54.2	-	-	-	-

* Refers to 'research active' faculty which includes all full-time faculty of professorial rank, as well as those lecturers and instructors who are involved in research programs and projects.

Table 5.a: Number of Publications by Department, 2006-2007

Publication Type	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Publications in refereed Journals	8	23	9	3	2
Publications in non-refereed journals	0	0	0	0	0
Books	1	0	0	0	0
Edited books	0	0	0	0	0
Book chapters	0	0	2	0	0
Reports (published)	1	4	6	0	0
Total	10	27	17	3	2

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments, hence the larger numbers (the totals are the numbers of every type of publication).

Table 5.b: Summary of Conferences/ Presentations/ Others by Department, 2006-2007

Conference Presentations/Others	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Oral presentations/ conference papers/ posters/abstracts	6	13	12	4	1
Others: graduate theses	1	4	0	0	0
Total	7	17	12	4	1

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments, hence the larger numbers (the totals are the numbers of every type of publication).

Table 5.c: Number of Publications in Journals by Department, 2006-2007

Publications in Journals	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Articles	7	19	7	3	2
Letters/book reviews/brief reports	1	4	2	0	0
Total	8	23	9	3	2
Total FTE (research)*	4.0	8.0	7.0	2.0	2.0
Articles per FTE (research)	1.8	2.4	1.0	1.5	1.0
% of Research Active Faculty members publishing at least 2 articles per year in refereed journals	50.0	62.5	25.0	100.0	100.0

* Refers to 'research active' faculty which includes all full-time faculty of professorial rank, as well as those lecturers and instructors who are involved in research programs and projects.

Table 6.a: Number of Publications by Department, 2005-2006

Publication Type	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Publications in refereed Journals	14	36	18	6	4
Publications in non-refereed journals	0	0	0	0	0
Book	0	0	0	0	0
Edited book	0	0	0	0	0
Book chapter	1	1	2	0	0
Reports (published)	1	3	0	2	1
Total	16	40	20	8	5

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments, hence the larger numbers (the totals are the numbers of every type of publication).

Table 6.b: Summary of Conferences/ Presentations/ Others by Department, 2005-2006

Conference Presentations/Others	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Oral presentations/ conference papers/ posters/abstracts	20	15	8	7	0
Others: graduate theses	1	7	0	0	0
Total	21	22	8	7	0

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments, hence the larger numbers (the totals are the numbers of every type of publication).

Table 6.c: Number of Publications in Journals by Department, 2005-2006

Publications in Journals	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Articles	13	35	13	6	4
Letters/book reviews/brief reports	1	1	5	0	0
Total	14	36	18	6	4
Total FTE (research)*	4.0	9.0	7.0	3.0	2.0
Articles per FTE (research)	3.3	3.9	1.9	2.0	2.0

* Refers to 'research active' faculty which includes all full-time faculty of professorial rank, as well as those lecturers and instructors who are involved in research programs and projects.

Table 7.a: Number of Publications by Department, 2004-2005

Publication Type	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Publications in refereed Journals	7	24	4	4	2
Publications in non-refereed journals	0	0	0	0	0
Books	0	0	0	0	0
Edited books	0	1	0	0	0
Book chapters	1	1	1	1	0
Reports (published)	2	1	0	0	0
Total	10	27	5	5	2

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments, hence the larger numbers (the totals are the numbers of every type of publication).

Table 7.b: Summary of Conferences/ Presentations/ Others by Department, 2004-2005

Conference Presentations/Others	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Oral presentations/ conference papers/ posters/abstracts	7	15	19	0	4
Others: graduate theses	6	5	0	0	0
Total	13	20	19	0	4

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments, hence the larger numbers (the totals are the numbers of every type of publication).

Table 7.c: Number of Publications in Journals by Department, 2004-2005

Publications in Journals	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Articles	5	19	4	4	2
Letters/book reviews/brief reports	2	5	0	1	0
Total	7	24	4	5	2
Total FTE (research)*	4.0	7.0	6.0	3.0	2.0
Articles per FTE (research)	1.3	2.7	0.7	1.3	1.0

* Refers to 'research active' faculty which includes all full-time faculty of professorial rank, as well as those lecturers and instructors who are involved in research programs and projects.

Table 8.a: Number of Publications by Department, 2003-2004

Publication Type	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Publications in refereed Journals	7	38	9	3	2
Publications in non-refereed journals	0	0	0	0	0
Books	0	1	0	0	0
Edited books	0	0	0	0	0
Book chapters	0	4	0	0	0
Reports (published)	0	4	0	1	0
Total	7	47	9	4	2

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments, hence the larger numbers (the totals are the numbers of every type of publication).

Table 8.b: Summary of Conferences/ Presentations/ Others by Department, 2003-2004

Conference Presentations/Others	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Oral presentations/ conference papers/ posters/abstracts	3	27	13	5	3
Others: graduate theses	3	7	0	0	0
Total	6	34	13	5	3

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments, hence the larger numbers (the totals are the numbers of every type of publication).

Table 8.c: Number of Publications in Journals by Department, 2003-2004

Publications in Journals	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Articles	7	29	7	3	2
Letters/book reviews/brief reports	0	9	2	0	0
Total	7	38	9	3	2
Total FTE (research)*	5.0	8.0	5.5	2.0	2.0
Articles per FTE (research)	1.4	3.6	1.3	1.5	1.0

* Refers to 'research active' faculty which includes all full-time faculty of professorial rank, as well as those lecturers and instructors who are involved in research programs and projects.

Table 9.a: Number of Publications by Department, 2002-2003

Publication Type	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Publications in refereed Journals	16	37	6	3	3
Publications in non-refereed journals	0	0	0	0	0
Books	0	0	1	0	0
Edited books	0	0	0	0	0
Book chapters	1	7	0	0	0
Reports (published)	0	6	0	2	0
Total	17	50	7	5	3

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments hence the larger numbers (the totals are the numbers of every type of publication).

Table 9.b: Summary of Conferences/ Presentations/ Others by Department, 2002-2003

Conference Presentations/Others	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Oral presentations/ conference papers/ posters/abstracts	8	16	14	0	0
Others: graduate theses	2	9	2	0	0
Total	10	25	16	0	0

Note: Duplicate articles might be published by authors from different departments within FHS and were added in all corresponding departments hence the larger numbers (the totals are the numbers of every type of publication).

Table 9.c: Number of Publications in Journals by Department, 2002-2003

Publications in Journals	Environmental Health	Epidemiology & Population Health	Health Behavior & Education	Health Management & Policy	Medical Laboratory Technology
Articles	16	33	6	2	3
Letters /book reviews/brief reports	0	4	0	1	0
Total	16	37	6	3	3
Total FTE (research)*	4.0	8.5	4.5	2.0	2.0
Articles per FTE (research)	4.0	3.9	1.3	1.0	1.5

* Refers to 'research active' faculty which includes all full-time faculty of professorial rank, as well as those lecturers and instructors who are involved in research programs and projects.

INTERDISCIPLINARY AND COLLABORATIVE RESEARCH

Tables 10 and 11 describe the range of interdisciplinary and collaborative research produced by FHS faculty members as evidenced by co-authorship between FHS departments and with outside institutions for the academic years 2002-2003 to 2006-2007. Of the total number of journal publications, the proportion of publications co-authored (1) within one department at FHS increased from 18.2% to 30.8%, (2) across the five departments increased from 12.7% to 25.6%, and (3) with outside institutions decreased from 74.5% to 66.7%. The proportion of publications with FHS faculty as lead author decreased from 62.7% to 56.4%, but the trend was inconsistent over the past five years. It increased from 62.7% in 2002-2003 to 65.5% in 2003-2004, declined to 51.5% in 2005-2006 and then increased to 56.4% in 2006-2007. During the academic year 2006-2007, the proportion of journal publications principle authored by FHS faculty member was 66.7%, and those co-authored with graduate students was 43.6%.

Table 10: Distribution of Refereed Journal Publications by Co-Authorship

Academic Year	% Co-Authorship within one department at FHS	% Co-Authorship across departments within FHS	% Co-Authorship outside FHS	% Lead Author from FHS	% Principle Author from FHS*	% Co-Authorship with students**	Total number of publications
2006-2007	30.8	25.6	66.7	56.4	66.7	43.6	39
2005-2006	41.2	16.2	73.5	51.5	-	-	68
2004-2005	17.5	5.0	75.0	40.0	-	-	40
2003-2004	34.5	19.0	63.8	65.5	-	-	58
2002-2003	18.2	12.7	74.5	62.7	-	-	59

* Principle author includes first, corresponding and senior author.

** Students include current or recent graduates

Table 11 shows the distribution of refereed journal publications by co-authorship out of the total number of journal publications between the academic years 2004-2005 and 2006-2007. Over the three academic years, the proportion of publications co-authored (1) within other faculties at AUB increased from 17.5% to 35.9%, (2) with national researchers decreased from 22.5% to 15.4%, (3) with regional researchers decreased from 22.5% to 5.1%, and (4) with international researchers decreased from 42.5% to 30.8%. Thus, there has been an increased tendency to publish with other Faculties at AUB, mainly Medicine, perhaps at the expense of collaboration with non-AUB national and regional researchers.

Table 11: Distribution of Refereed Journal Publications by Co-Authorship

Academic Year	% Co-authorship within other Faculties at AUB	% Co-authorship with national researchers	% Co-authorship with regional researchers	% Co-authorship with international researchers	Total number of publications
2006-2007	35.9	15.4	5.1	30.8	39
2005-2006	50.0	14.7	7.4	25.0	68
2004-2005	17.5	22.5	22.5	42.5	40

RESEARCH QUALITY

Concerning quality of research output, Table 13 shows the distribution of journal publications by FHS ranking of the journals (see Appendix for journals' rankings in their subject categories *a' la* ISI). About two out of every three journal publications were published in high quality journals, A and B journals, with 59% were published in A⁺ or A journals. Only 23% of journal publications appeared in non-ranked journals.

Table 12: Distribution of Journal Publications by FHS Ranking of Journal, 2006-2007

FHS Ranking of Journal (rank in subject category)	% of Publications
A ⁺ (90-100%)	23.1
A (40-89%)	35.9
B (15-39%)	7.7
C (0-14%)	10.3
Not ranked	23.0

Note: Ranking refers to the ISI rank of the journal out of the total number of journals listed in the subject category. Thus, A⁺ refers to journals in the top 90th percentile of all journals listed in the subject category.

APPENDIX A

Journal quality

Recently, FHS developed its own ranking of journals in terms of quality of publication. Members of FHS are increasingly publishing in reputable international journals as judged by the Impact Factor or the rank of journal in subject as classified by the Institute for Scientific Information (ISI). The Impact Factor is one measure of ranking, evaluating and comparing journals. It is an index of the number of times an ‘average article’ in a journal has been cited in a particular year. There are variations between disciplines, and journals should therefore be viewed in the context of their particular field. The Rank in Subject column represents the journal’s ranking in its field, and the last column shows our ranking of journals. The following table shows a full list of international journals publishing papers by faculty members during 2006-2007. For a review of a partial list of international journals publishing papers by faculty members during 2000-2006, see Research Reports 2001-2006, 2000-2005, and 2000-2004, Appendix A.

Table A1: List of Journals Publishing Research Works by FHS, 2006-2007

Journal Title	Impact Factor	Subject	Rank in Subject	FHS ranking
Acta Obstetricia Et Gynecologica Scandinavica	1.327	Obstetrics & Gynecology	35/59	A
Aging & Mental Health	1.197	Geriatrics & Gerontology Psychiatry (Science Ed) Gerontology Psychiatry (Social Science Ed)	22/30 69/95 12/22 46/77	B B A A
American Journal of Obstetrics and Gynecology	2.805	Obstetrics & Gynecology	10/59	A
American Journal of Public Health	3.698	Public, Environmental & Occupational Health (Science Ed) Public, Environmental & Occupational Health (Social Science Ed)	11/98 2/66	A A ⁺
Atmospheric Environment	2.630	Environmental Sciences Meteorology & Atmospheric Sciences	16/144 9/48	A A
BJOG-An International Journal of Obstetrics and Gynaecology	2.126	Obstetrics & Gynecology	17/59	A
British Medical Journal	9.245	Medicine, General & Internal	7/103	A ⁺
Bulletin of the World Health Organization	5.029	Public, Environmental & Occupational Health (Science Ed)	6/98	A ⁺
Epidemiology and Infection	1.809	Public, Environmental & Occupational Health (Science Ed) Infectious Diseases	47/98 36/47	A B
European Journal of Public Health	1.481	Public, Environmental & Occupational Health (Science Ed) Public, Environmental & Occupational Health (Social Science Ed)	59/98 31/66	A A
Eye	2.084	Ophthalmology	14/45	A

Table A1: List of Journals Publishing Research Works by FHS, 2006-2007

Journal Title	Impact Factor	Subject	Rank in Subject	FHS ranking
Health Policy	1.201	Health Care Sciences & Services Health Policy & Services	31/56 21/39	A A
International Journal of Cardiology	2.234	Cardiac & Cardiovascular Systems	26/74	A
Journal of Hospital Infection	2.442	Infectious Diseases	22/47	A
Journal of Occupational Health	1.848	Public, Environmental & Occupational Health (Science Ed)	43/98	A
Journal of Perinatal Medicine	1.000	Obstetrics & Gynecology Pediatrics	41/59 47/74	B B
Journal of the International Neuropsychological Society	2.367	Clinical Neurology Neurosciences Psychiatry (Science Ed) Psychology	53/146 104/199 44/95 21/60	A A A A
Journal of Voice	0.754	Otorhinolaryngology	20/30	B
Maternal and Child Health Journal	0.728	Public, Environmental & Occupational Health (Social Science Ed)	57/66	C
Molecular Biology Reports	0.712	Biochemistry & Molecular Biology	238/262	C
Nicotine and Tobacco Research	2.299	Public, Environmental & Occupational Health (Science Ed) Public, Environmental & Occupational Health (Social Science Ed)	26/98 10/66	A A
Radiation Measurements	0.915	Nuclear Science & Technology	9/32	A
Radiation Research	2.602	Biology	12/64	A

Table A1: List of Journals Publishing Research Works by FHS, 2006-2007

Journal Title	Impact Factor	Subject	Rank in Subject	FHS ranking
Saudi Medical Journal	0.300	Biophysics Radiology, Nuclear Medicine & Medical Imaging Medicine, General & Internal	28/66 21/85 92/103	A A C
Scandinavian Journal of Public Health	1.021	Public, Environmental & Occupational Health (Science Ed) Public, Environmental & Occupational Health (Social Science Ed)	70/98 45/66	B B
Social Science & Medicine	2.749	Public, Environmental & Occupational Health (Social Science Ed) Social Sciences, Biomedical	5/66 2/26	A ⁺ A ⁺

Source: The Institute for Scientific Information, Journal Citation Report (2006).

APPENDIX B

Sponsored Research Grants 2006-07

Project Name	Organizational Unit-Principal Investigator	Funding Source	Funding Start and End Date	Amount Total Award	Amount Current Year-Research	Community-Based Y/N	Student Participation Y/N	Collaboration with Health Agencies Y/N	Collaboration with Community Org'ts Y/N
AY 2006-2007									
1 Governance, Equity and Health in the Middle East and North Africa Region: A scoping study	HMPD Fadi El-Jardali	IDRC	1-Jun-07 30-Nov-08	\$61,020	\$40,680	N	N	N	N
2 Support to procurement of reagents & supplies for Bio-Behavioral Surveillance Study among Four Vulnerable Groups in Lebanon	HMPD Kassem Kassak	WHO	16-May-07 31-Jul-07	\$13,216	\$13,216	Y	Y	Y	Y
3 Identification of Priority Research Questions Related to Health Financing, Human Resources for Health, & the Role of the Non-State Sector in Low and Middle Income Countries of the Middle East and North Africa Region	HMPD Fadi El-Jardali	Alliance for Health Policy and Systems Research	10-May-07 10-Sep-07	\$69,300	\$69,300	N	Y	N	N
4 Developing Country-Specific Retention Strategies for Nurses in Lebanon	HMPD Fadi El-Jardali	WHO-EMRO	1-Feb-07 31-Oct-07	\$8,100	\$8,100	Y	Y	N	N
5 Labor Supply, Child Bearing & Women's Welfare in Old Age	EPHD Abia Sibai	Center of Arab Women for Training and Research	1-Feb-07 31-Dec-09	\$25,289	\$12,645	N	Y	N	N

6	Determinants and Consequences of Smoking Nargileh: Extending the Research Agenda	EPHD	Monique Chaaya	IDRC	13-Nov-06	31-Oct-09	\$452,580	\$62,410	Y	Y	N	N
7	Strengthening National Monitoring, Evaluation, & surveillance systems in Lebanon, Middle East and North Africa Region	HMPD	Kassem Kassak	National AIDS Program – Ministry of Public Health/WHO	10-Nov-06	30-Apr-08	Chaaya: \$187,229.5 \$98,210	\$65,473	Y	Y	Y	Y
8	Displacement & Pregnancy Choices and Challenges in Changing Childbirth	HBED	Tamar Kabakian	UNFPA	1-Nov-06	30-Apr-07	\$10,464	\$10,464	Y	N	N	N
9	Coronary Angiography in Lebanon: use, overuse and inappropriateness of use	EPHD	Abla Sibai	LNCSR	1-Nov-06	31-Oct-07	\$7,957	\$7,957	N	Y	N	N
10	Role of Rural Wastewater Management in Offsetting Water Needs and enhancing Integrated Water Resources Management	ENHL	May Massoud	LNCSR	1-Nov-06	31-Oct-07	\$7,957	\$7,957	N	N	N	N
11	Support to Strengthen Teaching, Research and Community Capacities & promote the Regional Role of FHS with a focus on HIV/AIDS	ENHL	Iman Nuwayhid	Ford Foundation	1-Oct-06	30-Sep-08	\$275,000	\$57,761				Y
12	Health status, well-being and population change in the Middle East: a research network approach	Dean's Office	Huda Zurayk	Wellcome Trust	1-Jan-05	31-Dec-09	\$3,085,075	\$403,677				
	Health Intervention Studies								Y	Y	Y	Y
	Changing Childbirth Project								Y	Y	Y	N

13	Support for the Reproductive Health Working Group	Dean's Office	Huda Zurayk	Ford Foundation	1-Jun-04	31-May-08	\$200,000		N	N	N	N
14	Therapeutic Decisions at Menopause	EPHD	Marwan Khawaja	Harvard School of Public Health	1-Mar-03	31-Aug-07	\$58,967	Y	N	N	N	N
15	Strengthening Teaching, Research & Community Outreach Capacities at FHS	Dean's Office	Huda Zurayk	Ford Foundation	1-Jan-03	31-Dec-08	\$430,000					
16	Improving Rural Health Care in Lebanon: an experimental study	HMPD	Kassem Kassak	WHO-EMIRO	1-Aug-06	31-Jul-07	\$7,500	Y	Y	Y	Y	Y
17	Towards a Better Understanding of the Magnitude and Predictors of Nurse Migration out of Lebanon	HMPD	Fadi El-Jardali	WHO-EMIRO	1-Aug-06	31-Jul-07	\$7,500	Y	Y	Y	Y	N
18	Assessment of Health and Social Risk Factors Facing Youth in the Nahr-Bared Camp	EPHD	Marwan Khawaja	The Nabata Foundation	15-May-07	15-Nov-07	\$10,127	Y	N	N	N	Y
	University Research Board											
19	What can be learned from the recent formation of association of people living with HIV/AIDS in the Middle East?	EPHD	Jocelyn DeJong	URB	1-Oct-06	30-Sep-07	\$6,020	Y	N	N	N	N
20	The impact of accreditation on quality of care in Lebanese hospitals.	HMPD	Fadi El-Jardali	URB	1-Oct-06	30-Sep-07	\$10,425	Y	N	N	N	N
21	Musculoskeletal symptoms among health care workers in Lebanon	ENHL	Rima Habib	URB	1-Oct-06	30-Sep-07	\$9,250	Y	N	Y	Y	N

22	Immigration, race and health: a case study of African female domestic workers in Beirut	HBED	Sawsan Abdulrahim	URB	1-Oct-06	30-Sep-07		\$9,710	Y	N	N	N
23	Assessment of wastewater management in rural areas: the case of Lebanon	ENHL	May Massoud	URB	1-Oct-06	30-Sep-07		\$6,900	N	N	N	N
	Total							\$827,072				

Special Project 06-07

Project Name	Organizational Unit- Principal Investigator	Funding Source	Funding Start and End Date	Amount Total Award	Amount Current Year- Research	Community - Based Y/N	Student Participation Y/N	Collaboration with Health Agencies Y/N	Collaboration with Communi Org'ts Y/N
Academic year 06-07									
Understanding Water, Understanding Health: The case of Bebbine	Interfaculty Graduate Environmental Sciences Program (IGESP)	IDRC	17-Dec-04 30-Jun-08	\$340,000	\$100,000	Y	Y	Y	Y

Please note that the grants 13, 14, 15 are still active in 2006-07. However, their budget for the current year is \$0. The total budget has been divided over previous years. Some of them had no-cost extension

- ENHL: Environmental Health Department
- EPHD: Epidemiology & Population Health Department
- HBED: Health Behavior & Education Department
- HMPD: Health Management & Policy Department
- WHO-EMRO: World Health Organization - Eastern Mediterranean Region Office
- IDRC: International Development Research Center - Canada
- LNCSR: Lebanese National Council on Scientific Research
- UNFPA: United Nations Population Fund
- URB: University Research Board