

Research Report

2010-11

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



November 2011

TABLE OF CONTENTS

	Page
EXECUTIVE SUMMARY	4
INTRODUCTION	6
RESEARCH GRANTS	8
RESEARCH OUTPUT	8
Publications	8
Conference Presentations and MSc. Theses.....	11
INTERDISCIPLINARY AND COLLABORATIVE RESEARCH	12
RESEARCH QUALITY	13

APPENDIX A: Sponsored Research Grants 2010-2011

APPENDIX B: List of articles in referred journals 2010-11

LIST OF TABLES AND FIGURES

Tables	Page
Table 1 Total funding available for spending and new grants in US Dollars in AY 2010-11 by source.....	5
Table 2 Sponsored grant funding in US Dollars available for research by source, 2010-11.....	8
Table 3 Number of publications by publication type, 2010-11.....	9
Table 4 Articles published in refereed journals according to full-time equivalent (FTE) research active faculty member, 2010- 11.....	10
Table 5 Number of publications in the AY 2010-11 by publication type and department.....	11
Table 6 Research articles published in refereed journals in the AY 2010-11 according to full-time equivalent (FTE) research active faculty member by department.....	11
Table 7 Summary of conference presentations and MSc theses, 2010-11.....	12
Table 8 Conference presentations and MSc theses in the AY 2010-11 by department.....	12
Table 9 Percent distribution of refereed journal publications by co-authorship within and outside FHS	13
Table 10 Percent distribution of journal publications in refereed journals by FHS ranking of journal, 2010-11	13

EXECUTIVE SUMMARY

The Faculty of Health Sciences (FHS) has attracted substantial funding over the past years. In the 2010-11 academic year (AY), the Faculty was awarded a total of \$1,676,039 for research as *new* grants spanning a duration between 4 months and 3 years, making the annual amount of funds *available* for research \$1,075,655, (Table 1). The majority of funding available for spending on research was obtained from international and regional sources (96%).

In 2010-11, the total number of publications was 50, out of which 40 were publications in refereed journals. The latter included 38 original articles and two brief publications. The mean number of articles published in refereed journals per full-time equivalent research active faculty member was 1.57, and the proportion of faculty members who published 2 or more articles in refereed journals was 50%

With respect to collaborative research, co-authorship within one department was 29.0%, across the five departments at FHS was 21.1%, and was higher with colleagues outside FHS was 71.1%. Co-authorship with current or recent graduate students was 29.0%. Co-authorship with international researchers exceeded that with national ones (34.2% and 18.5%, respectively). There was no co-authorship with regional researchers in the AY 2010-11. The proportion of publications with FHS Faculty being first authors was 52.6%, and

FHS faculty members continue to publish in high quality international refereed journals, with the majority of papers (73.7%) being published in high quality journals (journals ranking in the top 60%). The percent of publications in journals not ranked by ISI-Citation Index was 13 %.

Summary: Facts and Figures

Table 1: Total f new grants and funds available for spending in US Dollars in AY 2010-11 by source

Funding Source	2010-11*	
	New grants***	Total available**
International/Regional	1,595,613	1,016,033
Local agencies	11,300	21,466
University Research Board (URB)	69,126	38,186
Total	1,676,039	1,075,655

* This year is considered for Oct 1 2010-Sept 30 2011

** Funds available for spending in the respective year.

*** New grants amended to FHS during the year.

INTRODUCTION

The Faculty of Health Sciences (FHS) Research Committee (RC) is pleased to present the ninth annual Research Report for FHS, covering the AY (2010-11). In this report, the AY refers to the period extending from February 1 '10 until January 31 11¹. This report is published by the RC on an annual basis². The report contains numeric data on FHS research activities and output, with a focus on sponsored research and journal publications. The data are used to monitor progress towards achieving the following research objectives:

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

FHS consists of five departments: Environmental Health (ENHL), Epidemiology and Population Health (EPH), Health Promotion and Community Health (HPCH)³, Health Management and Policy (HMP), and Medical Laboratory Sciences (MLS). The report includes measurable outcomes on the research objectives for FHS as a whole and by department. The quantity, type, and quality of research publications are also provided.

The RC Chair would like to acknowledge the contribution of Ms. Ruba Ismail-Hamadeh, instructor, for providing and collecting the relevant data from various sources and Ms. Dalia Makarem and Ms. Roua Dalli, Research Assistants for their input in the preparation of the report. We thank Dean Iman Nuwayhid and Associate Dean Rima Afifi for their comments on this and earlier drafts.

¹ The previous research reports covered the period May 1 until June 31 and were compared with the preceding three years. Because the Annual Performance Activity submitted by faculty members has been changed last year to cover the period extending from February 1 until January 31, as such, this report will present data on the research activities for only one year and will begin the comparison for the future years.

² An electronic copy of the previous reports is available on the FHS-RC website:
http://www.aub.edu.lb/fhs/fhs_home/research/Pages/research_reports.aspx

³ HPCH was formerly names as HBE (Health Behavior and Education)

Research Committee, 2010-11

Chair: Abla Sibai, Professor, EPH
Shadi Saleh, Associate Professor, chair, HMP
Miran Jaffa, Assistant Professor, EPH
Tamar Kabakian , Associate Professor, HPCH
Rabih Kamleh, Assistant Professor, ENHL
Nada Melhem, Assistant Professor, MLS
Huda Zurayk, Professor, CRPH director, EPH

By invitation:

Silva Kouyoumdjian, student representative

RESEARCH GRANTS

The FHS has been successful in forming multi-investigator, multi-disciplinary research teams that are able to attract substantial extramural funding. During the past AY (2010-11), the Faculty was awarded a total of \$1,676,039 for research as *new grants*.⁴ These grants have a start date between October 2010 and September 2011, and span over a duration between four months and three years. However, for the purpose of this report, the total amount of funding for each grant was divided over the duration of the grant, and what is reported here for each AY is the amount of funds allocated or available for expenditure only in that year. Hence, the amount of funds *available* for research in the AY 2010-11 amounted to a total of \$1,075,655, with the majority being funded from international agencies (94.5%) (table 2).. Appendix A shows an itemized list of faculty research grants in 2010-11.

Table 2: Sponsored grant funding in US Dollars available for research by source, 2010-11*

Source	2010-11	
	Amount	%
International agencies	1,016,033	94.5
Local agencies	21,466	2.0
URB	38,186	3.6
Total	\$1,075,655	100

RESEARCH OUTPUT

Publications

During the AY 2010-11, the number of publications, including those that appeared in refereed and non- refereed journals, books, book chapters and published research reports, was 50 in total. A full list of articles published in refereed journals in 2010-11 is included as Appendix B. The list does not include the publications of the Dean and faculty on leave because they do not fill the annual performance form.

⁴ Note that funds granted and allocated solely for research are included in this report. Programmatic or scholarship funds do not appear in this report.

The majority of the publications appeared in refereed journals in the form of original research articles (38) and two as letters, book reviews, or brief reports. These were followed by research reports (6). Additionally, publications included one paper that appeared in non-refereed journals and three book chapters and six research reports.

Table 3: Number of publications by publication type, 2010-11

Publication Type	2010-11
Publication in refereed journals	40
<i>Articles</i>	38
<i>Letters/book reviews/brief reports</i>	2
Publications in non-refereed journals	1
Books	0
Book chapters	3
Research reports (published)	6
Total	50

The research articles that were published in refereed journals (n=40) were re-examined as mean number per full time equivalent (FTE) research active faculty member (Table 4). For the year 2010-11, the mean number of articles published per one FTE was 1.57, the proportion of research active faculty members publishing at least 2 articles per AY in refereed journals was 50%. For the latter estimate, articles co-authored by more than one FHS faculty member were credited for every author.

Table 4: Articles published in refereed journals according to full-time equivalent (FTE) research active faculty member*, 2010-11

Publications in Journals	2010-11
Articles	40
Total number of research active faculty members*	26
Total FTE	25.5
Article/FTE	1.57
Percent active faculty members publishing at least two articles per year in refereed journals	50%

* Includes all full-time and part-time faculty of professorial rank, as well as lecturers and instructors involved in research programs and projects.

Table 5 presents the research output at FHS in 2010-11 stratified by department. A total of 10 articles published in refereed journals were co-authored by faculty members from different departments. For the purpose of this table, duplicate articles published by co-authors from different departments within FHS were counted in all corresponding departments; hence the totals in table 5 do not match with those in tables 3 or 4. The total research output, including duplicates, for all departments for AY 2010-11 (n= 50). The highest number of research articles per FTE was achieved in the EPH Department (3), and the highest proportion of research active faculty members publishing at least two articles per year in refereed journals was observed in the HPCH Department (71 %) (table 6). This was followed by the EPH Department (57%) and the HMP Department (50%).

Table 5: Number of publications in the AY 2010-11 by publication type and department*

Publication Type	ENHL	EPH	HPCH	HMP	MLT
Publications in refereed journals					
AY 2010-11	3	20	11	7	4
Publications in non- refereed journals					
AY 2010-11	0	0	0	1	0
Books					
AY 2010-11	0	0	0	0	0
Book Chapters					
AY 2010-11	0	3	0	0	0
Research reports (published)					
AY 2010-11	3	0	0	3	0
Total					
AY 2010-11	6	23	10	11	4

*Articles published by co-authors from different departments within FHS were counted in all corresponding departments.

Table 6: Research articles published in refereed journals in the AY 2010-11 according to full-time equivalent (FTE) research active faculty member by department*

Publication Type	ENHL	EPH	HPCH	HMP	MLT
Articles†					
AY 2010-11	3	21	15	7	4
Total number of research active faculty members					
AY 2010-11	5	7	7	4	3
Total FTE					
AY 2010-11	5	7	6.5	4	3
Articles per FTE					
AY 2010-11	0.6	3	2.3	1.75	1.3
Percent active faculty members publishing at least two articles per year in refereed journals	20%	57%	71%	50%	33%

* Includes all full-time and part-time faculty of professional rank, as well as lecturers and instructors involved in research programs and projects.

† For articles co-authored by more than one single FHS faculty member, the article is credited for each single author.

Conference Presentations and MSc Theses

The number of conference presentations including oral presentations, papers, and posters presented at conferences in AY 2010-11 was 44 (Table 7). The number of graduate MS theses finalized in 2010-11 was two. The data on conference

presentations were re-analyzed by department with findings showing that the largest number of conferences were attended by HPCH and HMP (n=12) (Table 8).

Table 7: Summary of conference presentations and MSc theses, 2010-11

Type	2010-11
Conference presentations	44
MS theses	2
Total	46

Table 8: Conference presentations and MS theses in the AY 2010-11 by department

Type	ENHL	EPH	HPCH	HMP	MLT
Conference presentations					
AY 2010-2011	7	7	18	12	0
MS theses					
AY 2010-2011	0	2	N/A*	N/A*	N/A*

*HPCH, HMP, and MLT departments do not offer an MS degree

INTERDISCIPLINARY AND COLLABORATIVE RESEARCH

Table 9 describes the range of interdisciplinary and collaborative research produced by FHS faculty members in refereed journals as evidenced by co-authorship between faculty members at FHS departments and colleagues from other Faculties at AUB or at outside institutions (not AUB) for the academic year 2010-11. Of the total number of refereed journal publications (n=40), the proportion of publications co-authored within one department at FHS was 29.0% in 2010-11. Co-authorship across the five departments was 21.1% and with colleagues from outside institutions was 71.1%. Publications co-authored with current or recent graduate students, however, was 30.0%. The proportion of refereed publications led by FHS faculty as first authors was 52.6%.

RESEARCH QUALITY

Table 10 shows the distribution of journal publications by FHS ranking of the journals, which is based on the Journal Impact Factor as defined by the Institute for Scientific Information (ISI).⁵ The majority of papers (73.7%) were published in high quality journals (A⁺ and A journals ranking in the top 60%), 13.2% were published in the type-B journals (rank in the lower 61-85%), and none was published in type-C journals (rank in the lowest 86-100%). The number of publications in non-ranked journals (those not listed or ranked by the ISI system) was only 13.2 % in 2010-11.

Table 9: Percent distribution of refereed journal publications by co-authorship within and outside FHS

Co-authorship	2010-11
Co-authorship within one department at FHS	29.0
Co-authorship across departments within FHS	21.1
Co-authorship outside FHS	71.1
Co-authorship with other Faculties at AUB	36.8
Co-authorship with national researchers	18.4
Co-authorship with regional researchers	0.0
Co-authorship with international researchers	34.2
Co-authorship with students	29.0
First author from FHS	52.6
Principal author from FHS	26.3
Total number of publications	40

* Principal author includes first, corresponding and sole author.

† Students include current students or recent graduates.

Table 10: Percent distribution of journal publications in refereed journals by FHS ranking of journal, 2010-11

FHS Ranking Journal	ISI rank (percentile)	2010-11
A ⁺	1-10%	13.2
A	11-60%	60.5
B	61-85%	13.2
C	86-100%	0
Not ranked		13.2

*Ranking refers to the ISI rank of the journal out of the total number of journals listed in the subject category. Hence, A⁺ as an example, refers to journals in the top 10% percentile of all journals in the same subject category of the specific publication.

⁵ For the corresponding Impact Factor of each journal, as defined by the Institute for Scientific Information (ISI), you can follow the link <http://smlweb.aub.edu.lb/Databases/Default.aspx?CatID=6>

Appendix-A: Sponsored Research grants for 2010-11

	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
	International & Regional Sponsored Research Grants									
1	Conference of Evidence for Health Policy with a focus on Primary Health Care for Palestinians	EPHD	Huda zurayk	Welfare Association	15-Sep-11	30-Jun-12	\$50,000	\$0	N	N
2	Prevalence of Dementia in Lebanon: A Nationwide Community-Based Cohort Study	EPHD	Monique Chaaya	NIH	1-Sep-11	31-Jul-12	\$121,783	\$0	Y	N
3	Testing & Counseling for HIV: A Multi-Site Study	EPHD	Carla Makhoul	NIH	1-Aug-11	31-Jul-12	\$466,836	\$0	Y	N
4	Build Research Capacity and Conduct Joint Research	Dean'S office	Iman Nuwayhid	King Abdallah International Medical Research Center (KAIMRC)	6-Jul-11	19-Feb-13	\$233,280	\$23,328	N	N
5	Y Peer PETRI	HPCH	Mayada Kanj	UNFPA	1-Jan-11	31-Dec-11	\$237,181	\$79,060	N	N
6	Controlling use of narghile smoking, testing the impact of a Randomized Controlled Trial (RCT) of a School-based prevention program	HPCH	Rima Afifi	Hamad Medical Corporation. Qatar National Foundation	1-Dec-10	30-Nov-13	\$198,144	\$66,048	Y	N

Appendix-A: Sponsored Research grants for 2010-11

	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
7	Generating Evidence to Support Policies for Raising Taxes on Tobacco Products in Lebanon	H PCH	Rima Nakkash	IDRC	1 8-Apr-11	1 8-Dec-11	\$ 21,366	\$1 0,683	N	
8	Assessing the acceptability, feasibility and effectiveness of a strategy for improving the quality and safety of maternal/neonatal health care in the health system contexts of four Middle Eastern countries.	EPHD	Jocelyn DeJong	Alliance for Health Policy and Systems Research, WHO	15-May-11	14-May-12	\$155,861	\$51,954	Y	N
9	Lebanon Litani River Basin Support	ENHL	May Jurdi	International Resource Group	12-Apr-11	30-Sep-11	\$46,710	\$46,710	Y	Y
10	Hosting Eastern Mediterranean Regional Academic Institutions' Network (EMRAIN)	HMPD	Samer Jabbour	WHO-EMRO	20-Mar-11	31-Dec-11	\$30,000	\$15,000	N	N
11	Assessing patient safety attitude & acceptability of reporting patient safety & quality measures at primary healthcare centers in Lebanon & Syria	HMPD	Shadi Saleh	WHO- EMRO	1-Mar-11	30-Nov-11	\$9,850	\$4,925	Y	N
12	The Sexual & Reproductive Health of Young Married Women in Yemen	EPHD	Jocelyn DeJong	WHO	1-Mar-11	31-Oct-11	\$4,202	\$2,101	Y	

Appendix-A: Sponsored Research grants for 2010-11

	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
13	Identification of Priority Research Questions in the area of Access to and Use of Medicines in EMRO countries: Focusing on Iran, Pakistan and Lebanon	HMPD	Samer Jabbour	WHO-EMRO	26-Jan-11	31-Jul-11	\$12,400	\$12,400	N	N
14	Gender Equality, Sexual & Reproductive Health, & Poverty Reduction: Understanding the Links with Economic Growth and Improvements in Household Income	EPHD	Jocelyn DeJong	National University of Ireland	22-Dec-10	22-Dec-11	\$8,000	\$4,000	N	N
15	Y- Peer PETRI	HPCH	Mayada Kanj	UNFPA	1-Apr-10	31-Dec-10	\$107,093	\$107,093	N	N
16	Evaluation & Production of the Fourth and Fifth Issues of Salamet Hamlik	HPCH	Tamar Kabakian	UNFPA	1-Jul-10	31-Dec-10	\$11,770	\$5,885	N	N
17	Informing Tobacco Control Policy in Lebanon: Evaluation of the impact of pictorial warning on cigarette packs initiation of smoking and quitting intentions	HPCH	Rima Nakkash	ASH INTL	1-May-10	30-Apr-11	\$11,165	\$5,582.50	Y	Y
18	Evidence to Policy & Practice-Enhancing the Capacity of Researchers & Decision Makers in the MENA region	HMPD	Fadi El-Jardali	IDRC	10-Aug-10	10-Dec-10	\$44,994	\$22,497	N	Y

Appendix-A: Sponsored Research grants for 2010-11

	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
19	Strengthening Research Capacity in Operations Research in Reproductive Health in the EMRO region-Beirut-Lebanon	HMPD	Kassem Kassak	WHO - Geneva	10-Jul-10	31-Dec-10	\$39,446	\$19,723	N	N
20	Cultural and Psychosocial Influences on Disability (CUPID)	ENHL	Rima Habib	University of Southampton - Colt Foundation	1-Jun-10	31-May-12	\$15,280	\$7,640	N	N
21	Lebanon LRBMS-Litani River Basin Management & Support Program	ENHL	May Jurdi	International Resource Group	1-Jul-10	31-Oct-10	\$51,315	\$0	N	N
22	Promoting Youth Reproductive & Sexual Health, & Sexuality Education in the Region	EPHD	Lilian Ghandour	Ford Foundation	1-Jun-10	31-May-12	\$200,000	\$100,000	N	N
23	Support for Tobacco Control Research , Dissemination and Networking in Lebanon	HPCH	Rima Nakkash	IDRC	1-Feb-10	31-Jan-12	\$198,258	\$99,129	Y	Y
24	The Sexual and Reproductive Health of Young Married Women in Yemen	EPHD	Jocelyn DeJong	WHO-Geneva	1-Dec-09	31-Dec-10	\$68,112	\$34,056	Y	
25	Towards Evidence Informed Policies in the Middle East & North Africa Region	HMPD	Fadi El-Jardali	IDRC	1-Sep-09	1-Sep-12	\$197,720	\$49,430	N	Y

Appendix-A: Sponsored Research grants for 2010-11

	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
26	Exploring the problem of scarcity of nurses in underserved areas in the Middle East: Factors, Reasons & incentives for recruitment & retention	HMPD	Fadi El-Jardali	Alliance for Health Systems and Policy Research	1-Jun-09	30-Nov-11	\$199,000	\$90,000	N	Y
27	Risky Behaviors and Protective factors among the Youth in Lebanon"	EPHD	Nasser Yassin	Swiss Academy for Development	15-May-09	31-Oct-11	\$30,473	\$15,237	Y	N
28	Safe Work in Lebanese Bakeries: From Policy to Practice	ENHL	Rima Habib	AMIDEAST	20-Apr-09	31-Oct-10	\$50,000	\$0	N	N
29	Smoke free policies in Lebanon: lessons learned from existing experiences and recommendations for the future	HPCH	Rima Nakkash	IDRC	1-Mar-09	28-Feb-10	\$37,044	\$18,522	Y	N
30	AUB Neighborhood Initiative - Ras Beirut well Survey	EPHD	Afamia Kaddour	Sub award from main Ford Foundation to AUB	1-Jan-09	2/28/2012. Initially Feb 2011	\$60,000	\$0	Y	N
31	SUPPORT FOR THE REPRODUCTIVE HEALTH WORKING GROUP: INSTITUTIONAL LEARNING FOR THE NEXT PHASE	EPHD	Jocelyn DeJong	Ford Foundation	1-Jun-08	31-May-11	\$450,000	\$125,000	N	N
32	Comparison of Estimates based on Cell Phone and Face to Face Interviews	EPHD	Abla Sibai	TEPHINET	12-Mar-08	9/30/2011. Initially	\$180,130	\$0	N	Y

Appendix-A: Sponsored Research grants for 2010-11

	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
						Sept 10				
33	The publication and dissemination of two books on public health and on Childbirth in the Arab region	Dean's Office	Iman Nuwayhid	Ford Foundation	1-Feb-08	7/31/2011. Initially Feb 10	\$195,000	\$0	N	N
34	Neurotoxic Effects of solvents on working children	Dean's Office	Iman Nuwayhid	NIH	15-Sep-07	8/31/2012 (Initially Aug 09)	\$288,528	\$0	Y	N
35	Does reducing depression and/or anxiety symptoms of low-income married women (residing in Hey El-Selloum) using a community-based psycho-social intervention decrease their complaints of medically unexplained vaginal discharge?"	EPHD	Huda Zurayk	Wellcome Trust	1-Aug-07	8/31/2011. Initially Aug 10	\$410,406	\$0	Y	N
6	Impact of a community based RCT to improve mental health of Palestinian refugee youth	H PCH	Rima Afifi - Primary / Huda Zurayk- Secondary	Wellcome Trust	1 -Jul-07	1 2/31/2010. Initially July 10	\$ 371,291	\$0	Y	

Appendix-A: Sponsored Research grants for 2010-11

	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
37	Bedouin Health- Improving Access to and Quality of Reproductive and Child Health Care to Marginal Peoples: Bedouin in Jordan and Lebanon	EPHD	Huda Zurayk	Oxford U/ Warwick University/ EC	1-Jun-07 12/20/2010. Initially Dec 09	\$333,291	\$0	Y	Y
38	Determinants and Consequences of Smoking Nargileh: Extending the Research Agenda	EPHD	Monique Chaaya	IDRC	13-Nov-06 30-Nov-10	\$187,230	\$0	Y	Y
39	Health status, well-being and population change in the Middle East: a research network approach	EPHD	Huda Zurayk	Wellcome Trust	1-Jan-05 9/30/2011. Initially Sept 10	\$3,085,075	\$0		
	Health Intervention Studies							Y	Y
	Changing Childbirth Project							Y	Y
41	Support to Strengthen Teaching, Research and Community Capacities & promote the Regional Role of FHS with a focus on HIV/AIDS	Dean's Office	Iman Nuwayhid	Ford Foundation	1-Oct-06 9/30/2011. Initially Sept 08	\$275,000	\$0	N	N
42	Displaced Arab families coping and changes: Iraqi refugees in Lebanon	HPCH	Judy Makhoul	Arab Families working Group	1-Nov-08 31-Dec-11	\$17,000	\$0	Y	Y

Appendix-A: Sponsored Research grants for 2010-11

	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
	Local Sponsored Research									
43	Risky Behaviors & Protective Factors among the Youth in Lebanon: A Qualitative Approach	EPHD	Nasser Yassin	LNCSR	1-Mar-11	1-Mar-12	\$6,300	\$3,150	Y	N
44	National Study on Violence against Nurses in Lebanon: Prevalence, Characteristics, Consequences & Associated Factors	HMPD	Mohammad Alameddine	WHO	25-Jul-11	30-Nov-11	\$5,000	\$3,333	N	N
45	IMPROVE: Nationwide Implementation of Lebanese Hospital Performance Scorecard System (LHQSS)	HMPD	Fadi El Jardali	WHO	13-Sep-10	31-Dec-10	\$6,050	\$3,025	N	Y
46	Family relations, migration and Aging: The Case of Lebanon	HPCH	Sawsan Abdulrahim	LNCSR	31-Dec-09	31-Dec-10	\$6,631	\$0	Y	N
47	National Case Studies on Health Policy Making in the Middle East	HMPD	Fadi El Jardali	Issam Fares Institute- AUB	22-Dec-09	22-Dec-11	\$18,000	\$6,000	Y	Y
48	Potential role of HLA & KIR as Correlates of Protection among Hepatitis B virus vaccinated & non-vaccinated subjects	MLSP	Nada Melhem	LNCSR	1-Dec-09	30-Nov-11	\$15,915	\$5,958	N	N

Appendix-A: Sponsored Research grants for 2010-11

	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
49	Contesting relative deprivation : the Ras- Beirut well being survey	EPHD	Huda Zurayk	LNCSR	1-Dec-09	30-Nov-11	\$7,294	\$0	Y	N
50	Complementary & Alternative Medicine Therapies in Lebanon: A Baseline Study	HMPD	Mohammad Alameddine	LNCSR	1-Apr-09	30-Sep-11	\$25,862	\$0	N	N
51	Establishment of Water Quality Assessment & Management Unit at the Environmental Health Department	ENHL	May Jurdi	LNCSR	1-Jan-09	31-Jan-12	as 120,000- now \$80,000	\$0	Y	
University Research Board										
52	Musculoskeletal Pain & Psychological Factors among Lebanese Bakery Workers	ENHL	Rima Habib	URB	1-Oct-10	30-Sep-11	\$9,500	\$9,500	Y	Y
53	The Use of Self-rated Health in Monitoring Social Inequalities in Health: Analysis of Population Based Data from the MENA Region	HPCH	Sawsan Abdulrahim	URB	1-Oct-10	30-Sep-11	\$9,300	\$9,300	N	N
54	Slope Estimation for Longitudinal Outcomes in the Presence of Informative Right Censoring & Its Application to Renal Transplant Patients	EPHD	Miran Jaffa	URB	1-Oct-10	30-Sep-11	\$6,126	\$6,126	N	N

Appendix-A: Sponsored Research grants for 2010-11

	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
55	Living Arrangements of Older Adults in Lebanon, Palestine and Algeria	EPHD	Sibai	URB	1-Jul-11	30-Jun-12	\$8,500	\$2,550		
56	Environmental Performance Improvement and ISO 14001: Case of Lebanon	ENHL	Massoud	URB	1-Jul-11	30-Jun-12	\$9,000	\$2,700		
57	Knowledge Translation for Promoting Evidence-Informed Policies: Development and Monitoring and Evaluation of Policy Briefs and Policy Dialogues on Health System Priorities in Lebanon	HMPD	El Jardali	URB	1-Jul-11	30-Jun-12	\$9,000	\$2,700		
58	A National Study on Violence against Nurses in Lebanon: Prevalence, Characteristics, Consequences & Associated Factors	HMPD	Alameddine	URB	1-Jul-11	30-Jun-12	\$8,700	\$2,610		
59	Understanding Lebanese Public Opinion to Inform Social Policies around Palestinian Refugees Right to Work	HPCH	Abdulrahim	URB	1-Jul-11	30-Jun-12	\$9,000	\$2,700		
	Institutional Development Support Grants									
60	Multidimensional scholarship program for graduate education in public health	Dean's Office	Iman Nuwayhid	Arab Fund	1-Feb-09	30-Jun-13	\$350,877			

Appendix-A: Sponsored Research grants for 2010-11

	Project Name	Organizational Unit- Principal Investigator		Funding Source	Funding Start and End Date	Amount Total Award	Amount Current Year- Research	Commun ity - Based Y/N	Stude nt Partic ipatio n Y/N
61	Support to Strengthen Teaching, Research and Community Capacities & promote the Regional Role of FHS with a focus on HIV/AIDS	Dean's Office	Iman Nuwayhid	Ford Foundation	1-Oct-06 30-Sep-11	\$275,000			
Total							\$1,075,655		
New Grants							\$1,676,039		

Appendix B: List of articles in refereed journals^{6 7}

ENHL Department

Massoud, M.A., Basma, R. and Chami, G. Indicators of Sustainable Development: Integration in Decision Making Process and Applicability in developing Countries *International Journal of Sustainable Society*.

Habib RR, Yassin N, Ghanawi J, Haddad P, Mahfoud Z. *Double Jeopardy: Assessing the Association between Internal Displacement, Housing Quality and Chronic Illness in a Low-income Neighborhood*. Journal of Public Health. DOI: 10.1007/s10389-010-0368-0.

Habib RR, El Zein K, Ghanawi J. *Climate Change and Health Research in the Eastern Mediterranean Region*. EcoHealth, 7(2): 156-175, 2010. DOI: 10.1007/s10393-010-0330-1

EPH Department

Hamdan AL, Ashkar J, Sibai AM, Oubari D, Hussein ST. Effect of fasting on voice in males. *Am J Otolaryngol* (Apr 2010, accepted).

Hamdan AL, Hussein ST, Halawi A, Sibai AM. Arytenoid asymmetry in relation to vocal symptoms in singers. *J Voice* (March 2010)

Hazzouri A, Sibai AM (corresponding author), Chaaya M, Mahfoud Z, Yount K (2011). Gender differences in physical disability among older adults in underprivileged communities in Lebanon. *Journal of Aging and Health*, 23: 367-382

Hamdan AL, Sibai AM, Oubari D, Ashkar J, Fuleihan N (2010). Laryngeal findings and acoustic changes in hubble-bubble smokers. *Eur Arch Otorhinolaryngol*. 267(10):1587-92.

Sibai AM, Nasreddine L, Mokdad A, Adra N, Tabet M, Hwalla N (2010). Nutrition transition and cardiovascular disease risk factors in the MENA Countries: Reviewing the evidence *Annals of Nutrition and Metabolism Journal*, 57:193-203.

Nasreddine L, Sibai AM, Mrayati M, Adra N, Hwalla N (2010). Adolescent obesity in Syria: prevalence and associated factors. *Child: care, health and development*, 36: 404-13.

⁶ The list does not include publications by the Dean or by faculty on leave.

⁷ When authors include more than one department, the article is included in the department of the corresponding author

Der-Boghossian AH, Saad SR, Perreault C, Provost C, Jacques D, Kadi LN, Issa NG, Sibai AM, El-Majzoub NW, Bikhazi A.B. (2010). Role of insulin on jejunal PepT1 expression and function regulation in diabetic male and female rats. *Canadian Journal of Physiology and Pharmacology*, 88: 1-8

Yamout B, Itani S, Hourany R, Sibai AM, Yaghi S (2010). The effect of war stress on multiple sclerosis exacerbations and radiological disease activity. *Journal of the Neurological Sciences*, 288:42-44.

Martins, S., Ghandour, L., Storr, C. Gambling behavior subtypes among respondents with gambling-related problems in a population-based sample. *Journal of Addictive Diseases*. (In press)

Chaaya, M., Osman, H., Naassan, G., and Mahfoud, Z. Validation of the Arabic version of the Cohen Perceived Stress Scale (PSS-10). *BMC Psychiatry* (accepted)

Osman, H., Chaaya, M., El Zein, L., Naassan, G., and Wick, L. (2010). What do first-time mothers worry about? A study of usage patterns and content of calls made to a postpartum support telephone hotline.(2010) *BMC Public Health*, 10: 611

Slim, Z., Dowli, A., Chaaya, M. (corresponding author), Mahfoud, Z., and Uthman, I. Coping and Disability: Evidence from a Developing Country. *International Journal of Rheumatic Diseases*(accepted)

DeJong, J., Akik, C., El Kak, F., Osman, H., El Jardali, F. (corresponding author) The Safety and Quality of Childbirth in the Context of Health Systems: Mapping Maternal Health Provision in Lebanon, *Midwifery*, 26, 549-557, 2010

Jaffa Miran A, Woolson Robert F, Lipsitz Stuart, Prabhakar K. Baliga, Lopes-Virella Maria and Lackland T Daniel. Analyses of renal outcome following transplantation adjusting for informative right censoring and demographic factors: A longitudinal study. *Renal Failure* 32 (6): 691-698, 2010.

Jaffa Miran A, Lipsitz Stuart and Woolson Robert F. Slope Estimation for Bivariate Longitudinal Outcomes Adjusting for Informative Right Censoring Using Discrete Survival Model: Application to the Renal Transplant Cohort. *Journal of the Royal Statistical Society-Series* 174 (2):387-402, 2011.

Wang B, Carter RE, Jaffa MA, Lipsitz S, Lackland D, Lopes-Virella M, Lutrell LM, Trojanowska M and Jaffa AA. The DCCT/EDIC Study Group. Genetic variants in the promoter region of the connective tissue growth factor gene and susceptibility to nephropathy in type 1 diabetic patients. *Journal of Medical Genetics* 47(6): 391-397, 2010.

Webb JG, Tan Y, Jaffa MA and Jaffa AA. Evidence for Prostacyclin and cAMP Upregulation by Bradykinin and Insulin-Like Growth Factor 1 in Vascular Smooth Muscle Cells. *Journal of Receptors and Signal Transduction* 30(2):61-71, 2010.

HPCH Department

Nabulsi, M, Khalil, Y and Makhoul J. (June 13, 2010) Parental attitudes and perceptions towards their children's participation in clinical research: a developing country perspective. *Medical Ethics* – doi:10.1136/jme.2010.035899

Hayek Sh., El Khatib A, Kabakian-Khasholian T., Ibrahim A., Atiyeh B. Collateral ligament injury of the metacarpophalangeal joint: a meta-analysis of incidence, diagnosis, management and outcome. *Journal of Hand Surgery-American Volume*. In press.

Makhoul,J.,Allameddine,M.,& Afifi, R. " I felt that I was benefiting someone" : Youth as agents of change in a refugee community project. *Health Education Research*. (accepted Jan.2011)

Afifi, R, Makhoul,J, Nakkash,R, and el-Hajj, T (Oct 15,2010), Developing a logic model for youth mental health: Participatory research with a refugee community in Beirut. *Health Policy and Planning*, Oct 15,2010.

Abi-Haidar G, Salameh NL. Afifi RA (corresponding author). 'Jarrib Baleha': a pilot nutrition intervention to increase water intake and decrease soft drink consumption among school children in Beirut. *Lebanese Medical Journal*, Accepted December 2010

Abdulrahim S, El Shareef M, Alameddine M, Hammad S, Afifi RA. The potential and challenges of an academic-community partnership in a low-trust urban context. *Journal of Urban Health* (in press)

Abdulrahim, S. & Khawaja, M. (2011). The Cost of Being Palestinian in Lebanon. *Journal of Ethnic & Migration Studies*, 37(1): 151-166.

Kobeissi, L, Nakkash, R(corresponding), Ghantous, Z, Abou Saad, M, Yassin N. Evaluating a Community based participatory approach to research with disadvantaged women in the southern suburbs of Beirut. *Journal of Community Health*. In press

El-Kak, F.H. (2010). Policy makers attitudes towards Bedouin health in Lebanon. (In press, *Journal of Migration Health and Social Care*)

MLT Department

N.Yazbek, S.H. Spiezio, J.H. Nadeau, and D.A Buchner. Ancestral paternal genotype controls body weight and food intake for multiple generations Hum Mol Genet. 2010 Nov 1;19(21):4134-44. Epub 2010 Aug 9

David A. Buchner, Soha N. Yazbek, Paola Solinas, Lindsay C. Burrage, Michael G. Morgan, Charles L. Hoppel, and Joseph H. Nadeau. Increased mitochondrial oxidative phosphorylation in the liver is associated with obesity and insulin resistance. *Obesity (Silver Spring)*. 2010 Sep 30. [Epub ahead of print].

S.N. Yazbek, D.A Buchner, J. Geisinger , L.C. Burrage, Shao H., C.M. Croniger, and J.H. Nadeau. Gene discovery in a fractal genome: Solute receptor Slc35b4 regulates diet-induced obesity, insulin resistance, and gluconeogenesis. *Genome Research*, 2010 .In Press.

HMP Department

Kassak K , Mahfoud Z, Kreidieh K, Shamra S, Afifi RA, Ramia S. HBV and HCV infectious among female sex workers and young men who have sex with men in Lebanon: Prevalence, risk behavior and immune status. *Sexual Health* 2010; 7:1-5

Alameddine, M., Baumann, A., Onate, K. and Deber, R. (2011). Career Transitions of Inactive Nurses: A Registration Database Analysis (1993-2006). *International journal of nursing studies*. 48 (2): 184-192.

Naja, F., Alameddine, M., Abboud, M., Bustami, D. and Al Halabi R. (2010). Complementary and alternative medicine use among paediatric leukemia patients: The case of Lebanon. *Integrative Cancer Therapies* (in press) .

Law TJ, Lavis JN, Hamandi A, Cheung A, El-Jardali F, KT Platform Evaluation Team (Ongolo-Zogo P, Pantoja T, Saleh N, Sewankambo N). Climate for evidence-informed health systems: A profile of systematic review production in 41 low- and middle-income countries, 1996-2008. *Journal of Health Research, Policy & Systems*, Forthcoming.

El-Jardali F, Dimassi H., Jamal D., , Jaafar M., Hemadeh, N. Predictors and Outcomes of Patient Safety Culture in Hospitals, *BMC Health Services Research*, forthcoming.