



FACULTY OF HEALTH SCIENCES

Research Report

2011-12

February, 2013

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EXECUTIVE SUMMARY

The Faculty of Health Sciences (FHS) has attracted substantial funding over the past year. During 2011-12, the Faculty was awarded a total of \$6,110,757 for research as *new* grants spanning duration between 3 months and 5 years, making the annual amount of funds *available* for research \$ 1,021,745 (Table 1). The majority of funding available for spending on research was obtained from international and regional sources (94%). In 2011-12, the total number of publications was 57, 54 of which were publications in refereed journals. The latter included 53 original articles and one book review. The mean number of articles published in refereed journals per full-time equivalent research active faculty member was 1.6 and the proportion of faculty members who published 2 or more articles in refereed journals was 27.6%.

With respect to collaborative research, co-authorship within one department was 32.0%, across the five departments at FHS was 20.7%, and was slightly higher with other Faculties at AUB 26.4%. Co-authorship with current or recent graduate students was 32.0%. Co-authorship with international researchers exceeded that with national ones (39.6% and 22.6% respectively). Co-authorship with regional researchers was only 1.9% in 2011-12. The proportion of publications with FHS faculty being first authors was 32.0%. FHS faculty members continue to publish in high quality international refereed journals, with the majority of papers (63.9 %) 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 14.0%.

Table 1: Total funds of new grants and funds available for spending in US Dollars in 2011-12¹ by source

Funding Source	New grants ²	Total available ³
International/Regional	6,045,936	966,364
Local agencies	13,621	4,181
University Research Board (URB) and Faculty Research Start Up Funds	51,200	51,200
Total	6,110,757	1,021,745

¹ Corresponding to the fiscal year (July 1 2011-June 30 2012)

² New grants awarded to FHS during the year

³ Funds available for spending in the respective year

INTRODUCTION

The Faculty of Health Sciences (FHS) Research Committee (RC) is pleased to present the tenth annual Research Report for FHS, covering year 2011-12. This report is published by the RC on an annual basis⁴. 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 related 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)⁵, 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.

Research and Library Committee 2011-12:

Chair: Dr. Abla Sibai

Dr. Fadi El Jardali

Dr. Miran Jaffa

Dr. Tamar Kabakian

Dr. Judy Makhoul

Dr. Soha Yazbek

Dr. Huda Zurayk

By invitation:

Ms. Sazan Baban , Student Representative

⁴ 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

⁵ HPCH was formerly named as HBE (Health Behavior and Education)

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 year 2011-12, the Faculty was awarded a total of \$6,110,757 for research as *new* grants.⁶ These grants span over duration between 3 months and 5 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 year is the amount of funds allocated or available for expenditure only in that year. Hence, the amount of funds *available* for research in year 2011-12 amounted to a total of \$ 1,021,745, with the majority being funded from international agencies (94%) (Table 2). Appendix A shows an itemized list of faculty research grants in 2011-12.

Table 2: Sponsored grant funding in US Dollars available for research by source, 2011-12⁷

Funding Source	Total available	Percent
International/Regional	966,364	94.5%
Local agencies	4,181	0.4%
University Research Board (URB) and Faculty Research Start Up Funds	51,200	5.1%
Total	1,021,745	100%

RESEARCH OUTPUT

Publications

During the year 2011-12, the number of publications, including those that appeared in refereed and non- refereed journals, books, book chapters and published research reports, was 57 in total. A full list of articles published in refereed journals in 2011-12 is included as Appendix B. The list does not include the publications of the Dean or faculty on leave⁸.

The majority of the publications appeared in refereed journals in the form of original research articles (54) and one book review.

⁶ Note that funds granted and allocated solely for research are included in this report. Programmatic or scholarship funds do not appear in this report.

⁷ Corresponding to the fiscal year (July 1 2011- June 30 2012)

⁸ The statistics presented here are based on faculty reports in the annual performance review forms. Hence, the publication output excludes those who do not fill the form including the Dean and faculty on leave

Table 3: Number of publications by publication type, 2011-12⁹

Publication Type	2011-12
Publication in refereed journals	54
<i>Articles</i>	53
<i>Letters/book reviews/brief reports</i>	1
Publications in non-refereed journals	2
Books	0
Book chapters	1
Total	57

The research articles that were published in refereed journals (n=53) were re-examined as mean number per full time equivalent (FTE) research active faculty member (Table 4). For the year 2011-12, the mean number of articles published per one FTE was 1.6 and the proportion of research active faculty members publishing at least 2 articles per year in refereed journals was 27.6%. 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, 2011-12¹⁰

Publications in Journals	2011-12
Articles	53
Total number of research active faculty members ¹¹	29
Total FTE	33.5
Article/FTE	1.6
Percent active faculty members publishing at least two articles per year in refereed journals	27.6 %

Table 5 presents the research output at FHS in 2011-12 stratified by department. A total of 11 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

⁹ Corresponding to the calendar year (Jan1 2012-Dec 31 2012)

¹⁰ Corresponding to the calendar year (Jan1 2012-Dec 31 2012)

¹¹ Includes all full-time and part-time faculty of professorial rank, as well as lecturers and instructors involved in research programs and projects and excludes those on research leave

year 2011-12 was 66. The highest number of research articles per FTE was achieved in the EPH Department (2.6), and the highest proportion of research active faculty members publishing at least two articles per year in refereed journals was observed in the EPH Department (44.4 %) (Table 6). This was followed by the HPCH Department (43.0%) and the MLS Department (33.3%).

Table 5: Number of publications in the AY 2011-12 by publication type and department*

Publication Type	ENHL	EPH/CRPH	HPCH	HMP	MLS
Publications in refereed journals	5	27	19	9	3
Publications in non- refereed journals	1	0	0	2	0
Books	0	0	0	0	0
Book Chapters	1	0	0	0	0
Total	6	27	19	11	3

*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 2011-12 according to full-time equivalent (FTE) research active faculty member by department*

Publication Type	ENHL	EPH/CRPH	HPCH	HMP	MLS
Articles [†]	5	24	13	9	2
Total number of research active faculty members	5	9	7	5	3
Total FTE	5	9	6.5	5	3
Articles per FTE	1	2.6	2	1.8	0.6
Percent active faculty members publishing at least two articles per year in refereed journals	20.0%	44.4%	43.0%	20.0%	33.3%

* 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 year 2011-12 was 85 (Table 7). The number of graduate MS theses finalized in 2011-12 was 13. The data on conference presentations were re-analysed by department with findings showing a large number of conferences attended by HPCH, EPHD and ENHL departments (Table 8).

Table 7: Summary of conference presentations and MSc theses, 2011-12

Type	2011-12 ¹²
Conference presentations	85
MS theses	13
Total	89

Table 8: Conference presentations and MS theses in 2011-12 by department

Type	ENHL	EPH/CRPH	HPCH	HMP/OPU	MLS
Conference presentations	22	22	23	15	3
MS theses	5	8	N/A*	N/A*	N/A*

*HPCH, HMP, and MLS 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 and colleagues from other Faculties at AUB or at outside institutions (not AUB) for the year 2011-12. Of the total number of refereed journal publications (n=57), the proportion of publications co-authored within one department at FHS was 32.0% in 2011-12. Co-authorship across the five departments was 20.07% and with colleagues from outside institutions was 66.0%. Publications co-authored with current or recent graduate students, however, was 32.0%. The proportion of refereed publications led by FHS faculty as first authors was 30.2%.

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).¹³ The majority of papers 63.9% were published in high quality journals (A⁺ and A journals ranking in the top 60%), 14.0% were published in the type-B journals (rank in the lower 61-85%), and only 14.0 % were type-C journals (rank in the lowest 86-100%) including publications in non-ranked journals (those not listed or ranked by the ISI system).

¹² corresponding to calendar year (Jan1 2012-Dec 31 2012) for conferences and to academic year (October – September 2012) for MS theses

¹³ For the corresponding Impact Factor of each journal, as defined by the Institute for Scientific Information (ISI), you can follow the link <http://admin-apps.webofknowledge.com/JCR/JCR?RQ=HOME>

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

Co-authorship	2011-12
Co-authorship within one department at FHS	32.0
Co-authorship across departments within FHS	20.7
Co-authorship outside FHS	
Co-authorship with other Faculties at AUB	26.4
Co-authorship with national researchers	22.6
Co-authorship with regional researchers	1.9
Co-authorship with international researchers	39.6
Co-authorship with students	32.0
First author from FHS*	30.2
Principal author from FHS†	41.5
Total number of publications	53

* 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, 2011-12

FHS Ranking Journal*	ISI rank (percentile)	2011-12
A ⁺	1-10%	11.3
A	11-60%	52.6
B	61-85%	14.0
C	86-100%	14.0

*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.

Appendix-A: Sponsored Research grants for 2011-12

#	Project Name	Organizational Unit-Principal Investigator		Funding Source	Funding Start and End Date		Amount Total Award	Amount Current Year-Research
International and Regional								
1	A Situation analysis of applied research ethics involving human subjects in Lebanon and Qatar: gaps , dilemmas and implications for capacity building.	HPCH	Judy Makhoul	Q NRF_ Qatar University	1-Apr-12	31-Mar-14	\$145, 201	\$17,876
2	An Implementation of a Diabetes Quality Indicators Set in Kuwait	HMPD	Shadi Saleh	Dasman Diabetes Institute	1-Jun-12	1-Jun-13	\$20,244	\$1,687
3	Shaping Research for Health in the Arab World: A Systems and Network Approach to Advance Knowledge, Inform Policy & Promote Public Health	Dean's Office	Iman Nuwayhid	IDRC	1-Jun-12	31-May-17	\$4,499,783	\$0
4	Organization of an Alliance Research Team Regional Meeting & Clinical Audit Training	EPHD	Jocelyn DeJong	WHO	15-Feb-12	10-Apr-12	\$14,946	\$14,946
5	NCDs & their social determinants in Mediterranean partner countries: building sustainable research capacity for effective policy intervention	EPHD	Abla Sibai	University of Newcastle Upon Tyne/EC	1-Jan-12	31-Dec-15	\$145,938	\$24,323
6	Building & Sustaining the Nursing Workforce for better patient outcomes	HMPD	Mohamad Alameddine	McMaster University	1-Feb-12	31-Aug-12	\$17,091	\$12,208

#	Project Name	Organizational Unit-Principal Investigator		Funding Source	Funding Start and End Date		Amount Total Award	Amount Current Year-Research
7	Funding to Support Neighborhood Initiative-University for Seniors	EPHD	Abla Sibai, Cynthia Myntii	Dr. Scholl Foundation	14-Nov-11	31-Oct-12	\$25,000	\$14,583
8	Research Assistant to Support Work on a Book on "Demystifying Health Systems for Public Health Practitioners"	HMPD	Samer Jabbour	WHO	1-Oct-11	31-Dec-12	\$15,000	\$9,643
9	Lebanon Water & Wastewater Support Program	ENHL	May Jurdi	USAID (Development Alternatives, Inc (DAI)	1-Oct-11	30-Apr-13	\$198,854	\$99,427
10	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-13	\$50,000	\$25,000
11	Prevalence of Dementia in Lebanon: A Nationwide Community-Based Cohort Study	EPHD	Monique Chaaya	NIH	1-Sep-11	31-Jul-13	\$121,783	\$121,783
12	Testing & Counseling for HIV: A Multi-Site Study	EPHD	Carla Makhoul	NIH	1-Aug-11	31-Jul-13	\$466,836	\$350,127
13	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	\$116,640
14	Y Peer PETRI	HPCH	Mayada	UNFPA	1-Jan-11	31-Dec-11	\$237,181	\$158,121

#	Project Name	Organizational Unit-Principal Investigator		Funding Source	Funding Start and End Date		Amount Total Award	Amount Current Year-Research
			Kanj					
Local Sponsored Research								
15	Living Arrangements of Older Adults in Lebanon	EPHD	Abla Sibai	LNCSR	1-Dec-11	30-Nov-13	\$8,621	\$2,514
16	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	\$1,667
University Research Board								
17	Living Arrangements of Older Adults in Lebanon, Palestine and Algeria	EPHD	Abla Sibai	URB	1-Jul-11	30-Jun-12	\$8,500	\$8,500
18	Environmental Performance Improvement and ISO 14001: Case of Lebanon	ENHL	May Massoud	URB	1-Jul-11	30-Jun-12	\$9,000	\$9,000
19	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	Fadi El Jardali	URB	1-Jul-11	30-Jun-12	\$9,000	\$9,000
20	A National Study on Violence against Nurses in Lebanon: Prevalence, Characteristics, Consequences & Associated Factors	HMPD	Mohamad Alameddine	URB	1-Jul-11	30-Jun-12	\$8,700	\$8,700

#	Project Name	Organizational Unit-Principal Investigator		Funding Source	Funding Start and End Date		Amount Total Award	Amount Current Year-Research
21	Understanding Lebanese Public Opinion to Inform Social Policies around Palestinian Refugees Right to Work	HPCH	Sawsan Abdulrahim	URB	1-Jul-11	30-Jun-12	\$9,000	\$9,000
	Faculty Research Start Up Funds- operating budget FHS awards							
22	Experiences & Determinants of Conflict-related Physical Injuries & Disabilities amongst Iraqis in Lebanon	EPHD	Omar Dewachi		1-Oct-11	30-Sep-12	\$7,000	\$7,000
Total							\$6,110,757	\$1,021,745

Appendix B: List of articles in refereed journals^{14 15}

January 2011 to December 2011

Abi-Haidar G, Salameh NL, Afifi RA (corresponding author) (2011) "'Jarrib Baleha': a pilot nutrition intervention to increase water intake and decrease soft drink consumption among school children in Beirut." *Lebanese Medical Journal*, 59(2): 55-64.

Abdulrahim S, El Shareef M, Alameddine M, Hammad S, Afifi RA. (2011) "The potential and challenges of an academic-community partnership in a low-trust urban context." *Journal of Urban Health*, 87(6): 1017-1020

Afifi R., Makhoul J. , El Hajj T , Nakkash R. (corresponding). (2011) "Developing a logic model for youth mental health: Participatory research with a refugee community in Beirut." *Health Policy and Planning*, (1-10).doi:10.1093/heapol/czr001.

Alameddine, M., Kazzi, A., El-Jardali, F., Dimassi, H., Maalouf, S. (2011) "Occupational Violence at Lebanese Emergency Departments: Prevalence, Characteristics and Associated Factors." *J Occup Health* 9:53 (6):455-64

Allotey, P, Diniz, S., DeJong, J., Delvaux, T., Gruskin, S., Fonn, S. (2011) "Sexual and Reproductive Health and Rights in Public Health Education: an (a)political minefield." *Reproductive Health Matters* 20(39): 56-68

Anderson, D, L Leidy Sievert, M Melby, C Makhoulf Obermeyer. (2011) "Methods used in cross-cultural comparisons of sexual symptoms and their determinants." *Maturitas* 70: 135-140.

Anderson, D, M Melby, L Leidy Sievert, C Makhoulf Obermeyer. (2011) "Methods used in cross-cultural comparisons of psychological symptoms and their determinants." *Maturitas* 70: 120-126.

David A. Buchner*, Soha N. Yazbek*, Paola Solinas, Lindsay C. Burrage, Michael G. Morgan, Charles L. Hoppel, and Joseph H. Nadeau. (2011) "Increased mitochondrial oxidative phosphorylation in the liver is associated with obesity and insulin resistance." *Obesity* (Silver Spring). 19(5):917-24

Cheung A, Lavis JN, Hamandi A, El-Jardali F, Sachs J, Sewankambo N, (2011) "Knowledge-Translation Platform Evaluation Team (Ongolo-Zogo P, Pantoja T, Saleh N). Climate for evidence-

¹⁴ The list does not include publications by the Dean or by faculty on leave.

¹⁵ When authors include more than one department, the article is included in the department of the corresponding author

informed health systems: A print media analysis in 44 low- and middle-income countries that host knowledge-translation platforms." *Health Research Policy and Systems* 9:7.

DeJong, J. Invited book review of Morgan Clarke, (2011) "Islam and New Kinship: Reproductive Technology and the Shariah in Lebanon." *Journal of the Royal Anthropological Institute*, 17: 194-195. 2011.

El Hajj T, Afifi RA (corresponding author), Khawaja M, Harpham T. (2011) "Violence and Social Capital among Young Men in Beirut." *Injury Prevention* 17(6): 401-406.

El-Jardali F. ‡, Jaafar M., Dimassi H., Jamal D., Hamdan R. (2011) "The Current state of Patient Safety Culture in Lebanese Hospitals: A study at Baseline." *International Journal for Quality in Health Care* 22(5):386-95

El-Jardali, Saleh SS, Ataya N, Jamal (2011) "Design, Implementation and Scaling up of the Balanced Scorecard for Hospitals in Lebanon: Policy Coherence and Application Lessons for Low and Middle Income Countries." *Health Policy*. 2011; 103(2-3):305-14

El-Jardali F, Jamal D, Ataya N, Jaafar M, Raouf S, Matta C, Michael S, Smith C (2011) "Health Policy and Systems Research in Twelve Eastern Mediterranean Countries: A Stocktaking of Production and Gaps (2000-2008)", *Health Research Policy and Systems*, 9(1):39

El-Jardali F‡. Dimassi H., Jamal D., Jaafar M., Hemadeh, N. (2011) "Predictors and Outcomes of Patient Safety Culture in Hospitals", *BMC Health Services Research*, 2011, 11(1):45

Habib RR, Yassin N, Ghanawi J, Haddad P, Mahfoud Z. (2011) "Double Jeopardy: Assessing the Association between Internal Displacement, Housing Quality and Chronic Illness in a Low-income Neighborhood." *Journal of Public Health*, 19(2): 171-182

Hamdan AL, Nassar J, Ashkar J, Sibai AM (2011). "Prevalence of arytenoid asymmetry in relation to vocal symptoms." *Journal of Laryngology and Otology*, 125:282-7.

Hamdan AL, Sibai AM, Mahfoud L, Oubari D, Ashkar J, Fuleihan N (2011). "Short term effect of hubble bubble smoking on voice". *Journal of Laryngology Otology*, 125(5): 486-491.

Hannoun T, Zreik T, Tanbouzi Hussein S, Mahfoud L, Sibai AM, Hamdan AL (2011). "Vocal changes in patients with polycystic ovary symptom." *J Voice*, 25(4): 501-504.

Hardon A., E.Kageha, R. Wanyenze, C. Makhoul Obermeyer. (2011). "Dynamics of care, situations of choice: HIV tests in Uganda and Kenya." *Medical Anthropology* 30: 2, 183-201

Husseini ST, Ashkar J, Halawi A, Sibai AM, Hamdan AL (2011). "Arytenoid asymmetry in relation to posture, neck tension and glottal attack in singers". *Folia Phoniatrica et Logopaedica*, 63: 264-268.

Jones, L, Akugizibwe P, M Clayton, J Amon, R Bennett, R Baggaley, J Kahn, C Holmes, N Garg, C Obermeyer, C Smyth, M Vitoria, S Crowley, B Williams, C McClure, R Granich, G Hirnschall. (2011) "Costing human rights and community support interventions as a part of universal access to HIV treatment and care in a southern African setting." *Current HIV Research* 9:416-428

Kassak K, Mahfoud Z, Kreidieh K, Shamra S, Afifi R, and Ramia S (2011). "HBV and HCV infections among female sex workers and men who have sex with men in Lebanon: prevalence, risk behavior and immune status." *Sexual Health*, 8(2):229-33

Kahn J, Granich R, Bennett R, Holmes C, Garg N, Serenata C, Sabin M, Obermeyer C, De Filippo M, Williams P, Jones L, Smyth C, Kutch K., Lo Y., Vitoria M., Souteyrand Y., Crowley S., Korenromp E., Williams B. (2011). "Expanding ART for treatment and prevention of HIV in South Africa: Estimated cost and cost-effectiveness 2011-2050." *PLoS One* 7(2):1-15

Kobeissi L., Araya R., El Kak F., Ghantous Z., Khawaja M., Mahfoud Z., Khoury B., Peters T., Ramia S. and Zurayk H. (2011) "The Relaxation Exercise and Social Support Trial-RESST: Study protocol for a randomized community based trial." *BMC Psychiatry*, 11:142.

Korfali S. and Jurdi M. (2011). "Speciation of Metals in Bed Sediments and Water of Qaraaoun Reservoir, Lebanon. Environmental Monitoring and Assessment," *Environmental Monitoring and Assessment*, 178, 563-579.

Kobeissi, L, El Kak, F.H., Khawaja, M, Khoshnod, K (2011) "HIV/AIDS related knowledge and Socio-economic Status among Lebanese Women", *Asia Pac J Public Health [Epub ahead of print]*

Kobeissi, L. Nakkash (corresponding). R. Ghantous, Z. Abou Saad, M Yassin, Y. (2011) "Evaluating a Community Based Participatory Approach to Research with Disadvantaged Women in the Southern Suburbs of Beirut" *Journal of Community Health* 36(5):741-7. 2011.

Law TJ, Lavis JN, Hamandi A, Cheung A, El-Jardali F, KT Platform Evaluation Team (Ongolo-Zogo P, Pantoja T, Saleh N, Sewankambo N. (2011) "Climate for evidence-informed health systems: A profile of systematic review production in 41 low- and middle-income countries, 1996-2008." *Health Services Research & Policy*, 2011 Feb 8;9:7.

Leidy Sievert L, D Anderson, M Melby, C Makhoul Obermeyer. (2011) "Methods used in cross-cultural comparisons of somatic symptoms and their determinants." *Maturitas* 70: 127-134.

Leidy Sievert L. and C Obermeyer. (2011) "Symptom clusters at midlife: a four-country comparison of checklist and qualitative responses." *Menopause* 19(2): 133-44

Mahfoud, Z., Abdulrahim, S., Badarao Taha, M., et al (2011). "Validation of the Arab Youth Mental Health Scale as a Screening Tool for Depression/Anxiety in Lebanese Children." *Child and Adolescent Psychiatry and Mental Health*, 5(9).

Mahfoud, Z.R., Haddad, P.H. †, Afifi, R., DeJong, J. (2011) "Prevalence and determinants of suicide ideation among adolescents: Results of the GSHS Lebanon 2005." *Journal of Adolescence*, 34: 379-384. 2011.

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Mansour A, Bashshur ZF, Sibai TA, Sibai AM, Hamam RN (2011). "Combined intravitreal bevacizumab with phacoemulsification in visually significant cataract and visually significant exudative maculopathy." *Oman Journal of Ophthalmology*, 4(1): 10-16.

Martins, S., Ghandour, L., Storr, C. (2011). "Gambling behavior subtypes among respondents with gambling-related problems in a population-based sample." *Journal of Addictive Diseases*, (30)2, 169-180.

Melby, M, D Anderson, L Leidy Sievert, C Makhoul Obermeyer (2011) "Methods used in cross-cultural comparisons of vasomotor symptoms and their determinants." *Maturitas* 70: 110-119.

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