

CURRICULUM VITAE

Walid Ammar MD, PhD.

**Ministry of Public Health
Beirut - Lebanon
Tel: 009611843776
Email: wammarmd@gmail.com**



Education

- *Université Libre de Bruxelles (1975 - 1982)*
Bachelor of Science (BS): "Candidature en Sciences Médicales" 1978
Medical Doctor (MD): "Docteur en Médecine, Chirurgie et Accouchements" 1982
- *Lebanese University (1994 - 1996)*
Masters of Public Health (MPH) and "Diplôme d'Etude Approfondie. (D.E.A) En Santé Publique"
Thesis Topic: "Information et Décision en Santé Publique: Réflexions dans le Contexte Libanais"-
- *Université Victor Segalen Bordeaux 2 (2001): PhD. in "Epidemiology and Intervention in Public Health, "Dissertation Topic: "Le Système de Santé et la Réforme au Liban".*
- *Post-University: training courses in health management and policy, quality of care and public administration, among which:*
 - *Managing Health Programmes in Developing Countries, Harvard University, Cambridge, USA (1994)*
 - *Réforme Administrative et Lutte contre la Corruption ; Ecole Nationale d'Administration - (ENA) Paris et Strasbourg (1995)*
 - *Planning and Managing Information Systems; Management Sciences for Health (MSH) – Boston (1996)*

Professional Track

1982 - 1990: *Practicing physician, Resident in Maubeuge General Hospital (France). Head of Emergency Department and Assistant Hospital Director of “Baakline Medical Center”.*

1990 – 1992: *Director General of a Community Based Social Security Fund (20000 adherents) “The Mutual Fund of Mount Lebanon”.*

1991 – 1993: *Director General of “Ain Wazein Hospital” and the “Home for Elderly and Geriatric Medicine” and Council Member of the Syndicate of Private Hospitals in Lebanon.*

1993 -Present:

Director General of the Ministry of Public Health.

Member of the “Comité National d’Ethique pour les Sciences de la Vie et de la Santé”.

Government Delegate to the Administrative Board of Hariri University Hospital.

President of the National Committee for Evaluation, Classification and Accreditation of Hospitals.

Chairman of the Technical Committee for Drug Registration

Chairman of the National Palliative Care Committee.

Involvement with International Agencies

The World Bank

- *Director of the “Health Sector Rehabilitation Project” Financed by the World Bank (1996-1998)*
- *Negotiated and supervised the implementation of the following WB financed projects:*
 - *Emergency Social Protection Implementation Support Project ESPISP I (2007-2008), ESPISP II (2009-2011)*
 - *Emergency Primary Healthcare Restoration Project EPHRP (2016-2019)*
 - *Lebanese Health Resilience Project – Effective November 2018*

The European Union (EU)

- *Research Partner for Lebanon with the EU on “The Practice of Health Care Reform, Lessons For the Future”.CA Project, EU, DG XII (1998-2001)*
- *Chairman of the National Steering Committee for Refugees Health since 2013*

The World Health Organization (WHO) *Regular attendance and active participation in the World Health Assembly (Geneva) since 1994, most of the time as Head of the Lebanese Delegation. Elected on several occasions chair, rapporteur or member of the Working Committees of the Assembly. Has occupied the following positions:*

- Member of the expert committee on Health Systems Performance Assessment. WHO, Geneva (1999-2000)*
- Member of the Scientific Peer Review Group on Health Systems Performance Assessment. WHO, Geneva (2001-2002)*
- *Member of the Advisory Group of the WHO Global Strategy for Health Systems Research, of the WHO and the Alliance for Health Policy and System Research (2011-2012)*
- Chairman of the committee A of the 64th World Health Assembly (2011)*
- Member of the “Advisory Group on Reform of WHO’s Work in Outbreaks and Emergencies with Health and Humanitarian Consequences” 2015-2016*
- *Member of the “Independent Oversight and Advisory Committee (IOAC)” since March 2016*
https://www.who.int/about/who_reform/emergency-capacities/oversight-committee/members/en/

WHO Executive Board http://apps.who.int/gb/ebwha/pdf_files/EB133/B133_DIV2-en.pdf

- Member of the Executive Board (2012-2015)
- Rapporteur (2012-2013) and Vice Chair of the WHO Executive Board (2014-2015)
- Chairman of the WHO Standing Committee on Non-governmental Organizations 2014

United Nations Commissioner in the “UN Commission on Information & Accountability for Women & Children’s Health” (2011). https://www.who.int/woman_child_accountability/about/coia/en/index3.html

Key Health Reform Achievements

Set up the Primary Health Care Network in Lebanon in 1994, and initiated and supervised several preventive programmes. The PHC Network includes currently 185 health centers offering the comprehensive package of PHC services.

Created the Epidemiological Surveillance Unit (ESU) in 1995. This program is currently decentralized and includes the routine reporting system of 37 communicable diseases, the weekly zero reporting of acute flaccid paralysis, as well as active and sentinel surveillance and school absenteeism. Cancer Registry was added to the ESU activities in 2007.

Lobbied for the Public Hospitals’ autonomy law. This law issued in 1996 had a remarkable impact on public hospitals performance.

Developed the National Nursing Training Program in 1997 to face the chronic shortage of nurses in Lebanon and developed the curriculum of the Public Health program for the Lebanese University.

Introduced new payment mechanisms based of flat rates to rationalize cost of hospital care (2000) and developed performance contracting to enhance competitiveness and quality of care (2014).

Introduced the Hospital Accreditation System in Lebanon in 1999 and chaired the National Accreditation Committee. This system has been continuously upgraded and the accreditation standards are at their 4th edition. Accreditation of PHC centers started in 2010.

Established the “Unified Beneficiaries Database” among public insurers and the Ministry of Public Health, in 2003 that contributed to prevent coverage overlapping and double billing, and thus considerably improved the efficiency of the health coverage system.

Promoted good governance for medicine by upgrading drugs registration standards, enhancing transparency of licensing procedures and revising the pricing structure of pharmaceuticals.

Introduced a set of hospital performance indicators (2014), making performance contracting a well-established practice in MOPH.

Founder of the Policy Support Observatory (PSO), a tripartite project between MOPH, WHO and AUB/ Faculty of Health Sciences, April 2018.

Awards

Recipient of the **Prime Minister Salim El Hoss Appreciation** in 2000 in recognition of his achievements at the Ministry of Public Health

Award of the Lebanese Order of Physicians, in recognition of achievements in medical sciences and public health 2009.

« **Voyageur du Savoir** » title of honor of the “Université Libre de Bruxelles” in April 27, 2011.

Honorary Member of the Delta Omega Society, the international honorary society in public health, AUB, 2013.

Shousha Foundation Prize, WHO 2016, for his significant contribution to public health, translating research and evidence into policy and his collaborative leadership in an open network model of governance. http://applications.emro.who.int/docs/RC_technical_papers_2016_inf_doc_7_19046_en.pdf?ua=1

Officer in the National French Order of Merit, with membership awarded by the President of the French Republic.

Officer in the Belgium’s National Order of the Crown, awarded by the King of Belgium.

Academic Activities

Lebanese University

Associate professor at the Faculty of Public Health 2001-2013

Professor at the Faculty of Medical Sciences since April 2013.

American University of Beirut (AUB)

Senior lecturer at the Faculty of Health Sciences since 2007.

Publications

https://www.researchgate.net/profile/Walid_Ammar2/publications?sorting=newest&pubType=article

Research gate score: 44.73, citations: 20,916 (April 2019)

Books

- W. Van Lerberghe, A.H. Mechbal, N. Kronfol. *The Collaborative Governance of Lebanon’s Health Sector*: <https://www.moph.gov.lb/userfiles/files/Programs%26Projects/PSO/The%20Collaborative%20Governance%20of%20Lebanon%E2%80%99s%20Health%20Sector.pdf>
https://syndicateofhospitals.org.lb/Content/uploads/SyndicateMagazinePdfs/1578_56-57.pdf
- **W. Ammar**, A. Rady. *Family Practice in the Eastern Mediterranean Region-Universal Health Coverage and Quality Primary Care. Chapter 21 LEBANON* p261-271. WHO, EMRO, 2018
<https://www.routledge.com/Family-Practice-in-the-Eastern-Mediterranean-Region-Universal-Health-Coverage/Salah-Kidd/p/book/9781138498587>
- F. El Kak, **W. Ammar**; “Maternal Mortality in Lebanon, A story of Success”. UNFPA, MOPH, Beirut. December, 2016
<https://lebanon.unfpa.org/en/publications/maternal-mortality-lebanon-story-success>

- **W. Ammar**, "Health Beyond Politics". WHO, MOPH, ISBN 978-9953-515-48-9, Beirut. January 2009. <https://www.moph.gov.lb/en/Publications/index/12/8>
- **W. Ammar**, "Health System and Reform in Lebanon". WHO, MOPH, ISBN 9953-427-57-7, Beirut. January 2003. <https://www.moph.gov.lb/en/Pages/0/8030/health-system-and-reform-in-lebanon-2003>
- S. Anand, **W. Ammar** et al. 2003. : « Report of the Scientific Peer Review Group on Health Systems Performance Assessment ». *Health Systems Performance Assessment: Debates, Methods and Empiricism*. Geneva: World Health Organization (pp.839-843). https://books.google.com.lb/books?id=Ut_xcxWHobYC&pg=PR9&lpg=PR9&dq=Report+of+the+Scientific+Peer+Review+Group+on+Health+Systems+Performance+Assessment+ammar&source=bl&ots=ji3E59-NQo&sig=ACfU3U3rsWFAuU8lf_7KEwR74A9OKC9tlg&hl=en&sa=X&ved=2ahUKEwiI9rHF0d3nAhU8UhUIHQaZBewQ6AEwAXoECAgQAO#v=onepage&q=Report%20of%20the%20Scientific%20Peer%20Review%20Group%20on%20Health%20Systems%20Performance%20Assessment%20ammar&f=false
- **W. Ammar**. "Health System in Lebanon and the Continuing Challenges"; *The Order of Physicians...after half a century. 1946-2013*. Beirut: Lebanese Order of Physicians (pp. 159). <https://apps.who.int/medicinedocs/documents/s17301e/s17301e.pdf>
- C.Kasparian, **W. Ammar**. *National Health Utilization and Expenditure Survey*. WHO, Ministry of Public Health. 3 volumes, 1999. October, 2001.
- **W. Ammar**, A.K.Nandakumar, A.H.Mechbal. *Lebanon National Health Accounts, 1998*. WHO, Ministry Of Public Health. December 2000. <http://siteresources.worldbank.org/INTHSD/Resources/376278-1261143298590/6660179-1280173228245/LebanonNHA.pdf>
- M. Awar, **W. Ammar**. "Transforming the Ministry of Public Health in Lebanon". (ed) P. Ferrinho, W.Van Lerberghe. *Providing Health Care Under Adverse Conditions: Health Personnel Performance and Individual Coping Strategies*. *Studies in Health Services Organization and Policy*, 16, 2000.p.p.105-110.

Articles

- K. Sheikh, I. Agyepong, M. Jhalani, **W. Ammar**, A. Hafeez, S. Pyakuryal, S. Abimbola, A. Ghaffar, S. Swaminathan. *Learning health systems: an empowering agenda for low-income and middle-income countries*. © 2020 World Health Organization. Published by Elsevier Ltd. All rights reserved. *The Lancet*. <https://www.thelancet.com/journals/lancet/article/PIIS0140-6736> Vol 395 issue 10223, p476-477, February 2020.
- F. El-Kak, T. Kabakian-Khasholian, **W. Ammar**, A. Nassar. A review of maternal mortality trends in Lebanon, 2010-2018. *International Journal of Gynecology & Obstetrics*. doi: 10.1002/ijgo.12994. October, 2019. <https://obgyn.onlinelibrary.wiley.com/doi/abs/10.1002/ijgo.12994>.
- R. K. Saad, H. Harb, I. R Bou-Orm, W. Ammar, Gh. El-Hajj Fuleihan. *Secular Trends of Hip Fractures in Lebanon 2006–2017: Implications for Clinical Practice and Public Health Policy in the Middle East Region*. *Journal of Bone and Mineral Research*, <https://doi.org/10.1002/jbmr.3870> September 2019

- S. Fadlallah, M. Shehab, N. Haidar-Ahmad, B. Al Hafi, M. Saleh, Z. Nasser, R. El Hajj, N. Ghoson, **W. Ammar**, Gh. Matar. *PulseNet Lebanon: An Overview of Its Activities, Outbreak Investigations, and Challenges*. <https://doi.org/10.1089/fpd.2018.2581>, Jul. 2019.
- Z. Farah, N. Ghosn, **W. Ammar**, Y. Khader. *Health investigation following an outbreak of highly pathogenic Avian Influenza A (H5N1) in Poultry in Nabi Chit, Lebanon, 2016: a teaching case-study*. *Pan African Medical Journal*. 2019; 33 Supp (1:18) doi:10.11604/pamj.supp.2019.33.1.18649. <http://www.panafrican-med-journal.com/content/series/33/1/18/full>. May 2019.
- M. Aoun, J. Makkouk, **W. Ammar**. *Ultrapure water in haemodialysis: a step towards better quality in Lebanon*. <https://doi.org/10.26719/emhj.18.032>. EMHJ- Vol 25 No.2. 2019
- **W. Ammar**. "Migration and health: human rights in the era of populism". *The Lancet*. [http://dx.doi.org/10.1016/S0140-6736\(18\)32617-5](http://dx.doi.org/10.1016/S0140-6736(18)32617-5), p53-55. December 5, 2018
- M. Aoun, J. Makkouk, **W. Ammar**. *Ultrapure water in haemodialysis: a step towards better quality in Lebanon*. © World Health Organization (WHO) 2018. http://www.emro.who.int/images/stories/emhj/documents/in_press/ultrapure_water_in_haemodialysis_a_step_towards_better_quality_in_lebanon.pdf?ua=1
- A. Al-Janabi, B. Al-Wahdani, **W. Ammar**, C. Arsenault, E. K. Asiedu, M-A. Etiebet, et al. "Bellagio Declaration on high-quality health systems: from a quality moment to a quality movement". www.thelancet.com. *Lancet Glob Health*. [http://dx.doi.org/10.1016/S2214-109X\(18\)30372-3](http://dx.doi.org/10.1016/S2214-109X(18)30372-3). September 5, 2018.
- A. Abou Rached, L. Khalil, C. Yaghi, J. Saba, **W. Ammar**. *Real World Experience with All-Oral Interferon Free Regimen for the Treatment of Lebanese Patients with Hepatitis C Virus (HCV) Infection*. DOI: 10.5812/hepatmon.69040. June 2018.
- J.L. Dieleman, A. Haakenstad, A. Micah, **W. Ammar**... C. JL Murray. *Spending on health and HIV/AIDS: domestic health spending and development assistance in 188 countries, 1995–2015*. *The Lancet* 391(10132): 1799-1829. May, 2018.
- N. Fullman, J. Yearwood, ... **W. Ammar**... C. JL Murray, R. Lozano. *Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016*. *The Lancet*, [http://dx.doi.org/10.1016/S0140-6736\(18\)30994-2](http://dx.doi.org/10.1016/S0140-6736(18)30994-2). May 2018.
- J.L. Dieleman, N. Sadat, A. Y. Chang, ... **W. Ammar**... C. JL Murray. *Trends in future health financing and coverage: future health spending and universal health coverage in 188 countries, 2016–40*. *The Lancet* 391(10132): 1783-1798. April, 2018
- S. M Fadlallah, R. El Hajj, J. El Hage, Z. Nasser, N. Ghosn, **W. Ammar**, Gh. M. Matar. *Molecular Epidemiology and Antimicrobial Resistance of Campylobacter coli from Caeca and Carcass of Poultry in Lebanon*. *Acta Scientific Microbiology (ISSN: 2581-3226)*. Volume 1 Issue 4 April 2018.
- F. Elias, I. R. Bou Orm, S. Adib, S. Gebran, A. Gebran, **W. Ammar**. *Cost of Oncology Drugs in the Middle-Eastern Country of Lebanon: An Update (2014-2016)*. *American Society of Clinical Oncology*. DOI:10.1200/JGO.17.00179. April, 2018.
- M. Aoun, R. Karam, Gh. Sleilaty, L. Antoun, **W. Ammar**. *Iron deficiency across chronic kidney disease stages: Is there a reverse gender pattern?*. *PLoS ONE* 13(1): e0191541. <https://doi.org/10.1371/journal.pone.0191541>. January 22, 2018.

- *D. E. Platt, E. Hariri, P. Salameh, M. Helou, N. Sabbah, M. Merhi, E. Chammas, **W. Ammar**, A. B. Abchee, P. A. Zalloua. Association of waterpipe smoking with myocardial infarction and determinants of metabolic syndrome among catheterized patients. Taylor & Francis. INHALATION TOXICOLOGY, VOL. 29, NO. 10, 429–434; <https://doi.org/10.1080/08958378.2017.1384085>. October 2017.*
- *M. K. Asmar, C. Gh. Zablit, R. Daou, J. S. Yéretzian, H. Daoud, A. Rady, R. Hamadeh, **W. Ammar**. Prevalence of anemia and associated factors in women of childbearing age in rural Lebanon. Journal of Public Health, 1-11. DOI <https://doi.org/10.1007/s10389-017-0853-9>. October, 2017.*
- *S.I. Hay, A.A. Abajobir, K.H. Abate, ... **W. Ammar**... C. JL Murray. Global, regional, and national disability-adjusted life years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. The Lancet 390(10100), 1260-1344. Sept. 2017.*
- *T. Vos, A. A. Abajobir, K.H. Abate, ... **W. Ammar**... C. JL Murray. Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. The Lancet 390(10100): 1211-1259. Sept., 2017*
- *E. Gakidou, A. Afshin, A.A. Abajobir, ... **W. Ammar**... C. JL Murray. Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. The Lancet 390(10100): 1345-1422. Sept. 2017*
- *M. Alameddine, M. Baroud, S. A Kharroubi, R. Hamadeh, **W. Ammar**, H. Shoaib, H. Khodr. Investigating the job satisfaction of healthcare providers at primary healthcare centres in Lebanon: A national cross-sectional study. Health & Social Care in the Community. DOI: 10.1111/hsc.12454. June 2017*
- *A. Abou Rached, L. Khalil, C. Yaghi, J. Saba. **W. Ammar**. Prevalence of hepatitis C virus genotypes and subtypes in Lebanese population and major high risk groups. Arab Journal of Gastroenterology. June 2017.*
- *M. Reitsma, N. Fullman, Marie Ng, J. Salama... **W. Ammar**, Smoking prevalence and attributable disease burden in 195 countries and territories, 1990–2015: a systematic analysis from the Global Burden of Disease Study 2015. The Lancet 386(10082):1885-1906. May, 2017.*
- *J. L Dieleman, M. Campbell, A. Chapin, ... **W. Ammar**... C.JL Murray. Evolution and patterns of global health financing 1995-2014: development assistance for health, and government, prepaid private, and out-of-pocket health spending in 184 countries. The Lancet 389(10083):1953-2080, May 2017.*
- *R. M Barber, N. Fullman, R. J D Sorensen, ... **W. Ammar**... C.JL Murray. Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990-2015: A novel analysis from the Global Burden of Disease Study 2015. The Lancet, May 2017.*
- *J. L Dieleman, M. Campbell, A. Chapin, ... **W. Ammar**... C.JL Murray. Future and potential spending on health 2015–40: development assistance for health, and government, prepaid private, and out-of-pocket health spending in 184 countries. The Lancet, May 2017.*

- C. Yaghi, A. Abou Rached, J. El Hajal, **W. Ammar**. Hepatitis B related hepatocellular carcinoma: can PEG-IFN treatment contribute to the decrease in hepatocellular. *Research Gate* <https://www.researchgate.net/publication/316286715>. April, 2017.
- M. Reitsma, N. Fullman, Marie Ng, J. Salama... **W. Ammar**, Smoking prevalence and attributable disease burden in 195 countries and territories, 1990–2015: a systematic analysis from the Global Burden of Disease Study 2015. *The Lancet*. [http://dx.doi.org/10.1016/S0140-6736\(17\)30819-X](http://dx.doi.org/10.1016/S0140-6736(17)30819-X). April, 2017.
- S. Hajal, N. Kik, R. ElChammay and **W. Ammar**. Developing an interministerial substance use response strategy for Lebanon: process, content and lessons learned. *EMHJ* volume 23/No.3, pp257-261. March 2017.
- N. Haddad, **W. Ammar**, A. Khoury, A. Cox, N. Ghoson. Lebanon’s experience in surveillance of communicable diseases during a mass gathering: Sixth Francophone Games, 2009. *Easter Mediterranean Health Journal (EMHJ)*. Vol. 23, No. 2. p118-124. February 2017.
- F. El-Jardali, M. Woodman, R. Hammoud, O. Kdouh, R. Hamade and **W. Ammar**. Discussion of “Health service utilization and access to medicines among Syrian refugee and host community children in Lebanon” by Lyles et al. *Journal of International Humanitarian Action*. DOI 10.1186/s41018-017-0018-z. February, 2017.
- J. Khalife, N. Rafeh, J. Makouk, F. ElJardali, B. Ekman, N. Kronfol, G. Hamadeh, **W. Ammar**. Hospital Contracting Reforms: The Lebanese Ministry of Public Health Experience. *Health Systems & Reform*, 3(1): 34-41, 2017. ISSN: 2328-8604 print/ 2328-8620 online. DOI: 10.1080/23288604.2016.1272979. January 2017.
- **W. Ammar**, O. Kdouh, R. Hammoud, H. Harb, Z. Ammar, R. Atun, D. Christani, P. A. Zalloua. Health System Resilience: Lebanon and the Syrian refugee crisis. *Journal of Global Health* doi:10.7186/jogh.06.020704. vol. 6 No.2. December 2016.
- E. Karam, R. El Chammay, S. Richa, W. Naja, J. Fayyad, **W. Ammar**. Lebanon: mental health system reform and the Syrian crisis. *The British Journal of Psychiatry*, volume 13, Number 4, November 2016.
- A. Mokdad, M.H. Forouzanfar... **W. Ammar**... C.JL Murray. Health in times of uncertainty in the eastern Mediterranean region, 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. DOI: 10.1016/S2214-109X(16)30168-1. *The Lancet Global Health* · August 2016.
- F. Elias, F. Khuri, S. Adib, R. Karam, H. Harb, M. Awar, P. Zaloua, **W. Ammar**. Financial Burden of Cancer Drug Treatment in Lebanon. *APJCP*.2016.17.7.3173. VOLUME 17, 2016 Issue Number 7 , 3173-3177
- **W. Ammar**, A. Radi, F. El-Jardali. Comments on the article: “Syrian refugees in Lebanon: the search for universal health coverage”. *Conflict and Health* (2016) 10:22. DOI 10.1186/s13031-016-0090-9. July 2016.
- GBD 2015 HIV Collaborators Haidong Wang, T. Wolock, C.JL Murray ... **W. Ammar**, Estimates of global, regional, and national incidence, prevalence, and mortality of HIV, 1980-2015: the Global Burden of Disease Study 2015. *The Lancet HIV*. July 2016.
- R. El Chammay, **W. Ammar**. Mental Health Reform in Lebanon and the Syrian Crisis. www.thelancet.com/psychiatry ,Vol 3. March 2016.

- A. Abou Rached, S. Abou Kheir, J. Saba, **W. Ammar**. *Epidemiology of hepatitis B and hepatitis C in Lebanon*. *Arab Journal of Gastroenterology* 17 (2016) 29-33. January 2016
- A. Abou Rached, L. El Khoury... **W. Ammar**. *Incidence and prevalence of hepatitis B and hepatitis C viruses in hemodialysis patients in Lebanon*. *World Journal of Nephrology*, 5(1): 101-107. ISSN 2220-6124. DOI : 10.5527/wjn.v5.i1.101. January 2016
- M. H. Forouzanfar, L. Alexander, C. JL Murray ... **W. Ammar**, *Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 188 countries 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013*. *The Lancet*. Dec. 2015.
- R. El Chammay, **W. Ammar**. *Réfugiés Syriens au Liban; Une stratégie nationale en réponse à la crise*. *Médecine & Santé Publique*. *Le Quotidien du Médecin*. No. 9459, Décembre 2015.
- K. Aljouni, Y.Y Al-Mazrou, **W. Ammar**, A. Daar, *Refugees in the eastern Mediterranean region*. *The Lancet*, vol 386, December, 2015.
- L. Charafeddine, M. Badran, P. Nakad, **W. Ammar**, Kh. Yunis. *Strategic Assessment of Implementing Neonatal Resuscitation Training at a National Level*. *Pediatr Int*. doi:10.1111/ped.12868. December 2015.
- J. A Haagsma, N. Graetz, ... **W. Ammar**,... C. JL Murray. *The global burden of injury: incidence, mortality disability-adjusted life years and time trends from the Global Burden of Disease study 2013*. <http://dx.doi.org/10.1136/injuryprev-2015-041616>. December, 2015.
- S. Saleh, **W. Ammar**, N. Ntafqi, Y. Mourad, H. Dimassi and H. Harb. *Association between payer mix and costs, revenues and profitability: a cross-sectional study of Lebanese hospitals*. *EMHJ*. Vol. 21 No.6. June, 2015.
- J. Khalife, **W. Ammar**, J. Makouk, R. Freiha, H. Harb, F. El-Jardali. *Mixed model performance contracting and casemix in limited settings – the case of Lebanon*. doi:10.1186/1472-6963-15-S2-A5. June 15, 2015.
- T. Vos, R. M Barber, B. Bell,... **W. Ammar**, J. A Salomon, C. JL Murray. *Global, regional, and national incidence, prevalence, and years lived with disability for 301 acute and chronic diseases and injuries in 188 countries, 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013*. [http://dx.doi.org/10.1016/S0140-6736\(15\)60692-4](http://dx.doi.org/10.1016/S0140-6736(15)60692-4). June 8, 2015.
- C. JL Murray, R.M. Barber, K.J. Foreman,... **W. Ammar**, T. Vos. *Global, regional, and national disability-adjusted life years (DALYs) for 306 diseases and injuries and healthy life expectancy (HALE) for 188 countries, 1990–2013: quantifying the epidemiological transition*. *The Lancet* 386(10009):2145-2191 · November 2015.
- L. Charafeddine, R. El Rafei, **W. Ammar**, Kh. Yunis. *Improving awareness of preconception health among adolescents: experience of a school-based intervention in Lebanon*. *BMC Public Health* 2014, 14:774.
- R. El Chammay and **W. Ammar**. *Syrian crisis and mental health system reform in Lebanon*. *The Lancet*, Volume 384, Issue 9942, Page 494, doi:10.1016/S0140-6736(14)61329-5. August 2014
- C J L Murray, K F Ortblad... **W. Ammar**, T.Vos. *Global, regional, and national incidence and mortality for HIV, tuberculosis, and malaria during 1990-2013 a systematic analysis for the*

Global Burden of Disease Study 2013. [http://dx.doi.org/10.1016/S0140-6736\(14\)60844-8](http://dx.doi.org/10.1016/S0140-6736(14)60844-8). July 22, 2014.

- *R. Yamout, S. M. Adib, R. Hamadeh, A. Freidi; W. Ammar. Screening For Cardiovascular Risk In Asymptomatic Users Of The Primary Health Care Network In Lebanon. CDC. Prevention of chronic diseases. Volume 11 ISSN: 1545-1151. May 08, 2014.*
- *N. Kronfol, J. Khalife, J. Romanos, J. Makouk and P. Noun, W. Ammar. Observations on the Ministry of Public Health program of support to the hospitalization of patients in Lebanon. The Lebanese medical journal 62(1):33-9. 2014 Jan-Mar.*
- *E. Hobeika, S. Abi Chaker, H. Harb, R. Rahbany Saad, W. Ammar, S. Adib. Maternal mortality ratio in Lebanon in 2008: a hospital-based reproductive age mortality study (RAMOS). The Lebanese medical journal 62(1):1-6. 2014 Jan-Mar.*
- *Nicholas J. Kassebaum, Amelia Bertozzi-Villa... W. Ammar, Rafael Lozano. Global, regional, and national levels and causes of maternal mortality, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. The Lancet (Impact Factor: 39.06). 01/2014; DOI:[http://dx.doi.org/10.1016/S0140-6736\(14\)60696-6](http://dx.doi.org/10.1016/S0140-6736(14)60696-6)*
- *Ng M, Fleming T, Robinson M... W. Ammar... Gakidou E. Global, regional, and national prevalence of overweight and obesity in children and adults during 1980—2013: a systematic analysis for the Global Burden of Disease Study 2013. The Lancet (Impact Factor: 39.06). 05/2014; DOI:[doi.org/10.1016/S0140-6736\(14\)60460-8](http://dx.doi.org/10.1016/S0140-6736(14)60460-8)*
- *H. Wang, Ch. Liddell, ... W. Ammar... C J L Murray. Global, regional, and national levels of neonatal, infant, and under-5 mortality during 1990-2013” a systematic analysis for the Global Burden of Disease Study 2013. The Lancet (Impact Factor 39.06); DOI:[10.1016/S0140-6736\(14\)60497-9](http://dx.doi.org/10.1016/S0140-6736(14)60497-9). 2014*
- *Ammar W, Khalife J, El-Jardali F, Romanos J, Harb H, Hamadeh G, Dimassi H. Hospital accreditation, reimbursement and case mix: links and insights for contractual systems. BMC Health Services Research 2013. doi:[10.1186/1472-6963-13-505](http://dx.doi.org/10.1186/1472-6963-13-505).*
- *El-Jardali F, Ammar W, Hemadeh R, Jamal D, Jaafar M. Improving Primary Health Care through accreditation: Baseline Assessment of Readiness and Challenges in Lebanese Context. International Journal of Health Planning on Management 03/2013.*
- *W. Ammar, R. Hamra. Palliative Care. Shifting Medical Models to Restore Cultural Values. J. Med. Liban; 61(4): 189-190. 2013.*
- *A. Haddad, T. Bou Assi, W. Ammar and E. Baz. Does a liberal national transfusion law assure blood safety? A survey of blood bank directors’ perspectives in Lebanon. Journal of Public Health Policy , (22 August 2013) | doi:[10.1057/jphp.2013.33](http://dx.doi.org/10.1057/jphp.2013.33)*
- *S.M. Adib, N. Tabbal, R. Hamadeh and W. Ammar. “Geographic epidemiology in a small area: cancer incidence in Baakline, Lebanon 2000-2008”. EMHJ, vol.19, No.4, 2013. pp: 320-326*
- *C.J.L. Murray, V. Aboyans, ... W. Ammar... A. D. Lopez. GBD 2010 country results: a global public good. The Lancet, doi:[10.1016/S0140-6736\(13\)60283-4](http://dx.doi.org/10.1016/S0140-6736(13)60283-4), December 2012*
- *A. Ghaffar, N. Tran, K. S. Reddy, J. Kasonde, T. Bajwa, W. Ammar, M. Ren, J.A. Rottingen, A. Mills. Changing mindsets in health policy and systems research. The Lancet, doi:[10.1016/S0140-6736\(12\)61858-3](http://dx.doi.org/10.1016/S0140-6736(12)61858-3). 1 November 2012.*

- F. El-Jardali, J. N Lavis, N. Ataya, D. Jamal, **W. Ammar**, S. Raouf. *Use of Health Systems Evidence by Policymakers in Eastern Mediterranean Countries: views, practices and contextual influences.* *BMC Health Services Research* 2012, 12:200.
- **W. Ammar**, M. Awar. "HEALTH INSURANCE REFORM Labor versus health perspectives" *J Med Liban* 2012 ; 60 (1) : 1-3.
- Sibai A.M., Nasser W, **Ammar W**, Khalife M.J., Harb H, Fuleihan Gel-H: *Hip fracture incidence in Lebanon: a national registry-based study with reference to standardized rates worldwide.* *Osteoporos Int*; 22(9):2499-506, Sep 2011.
- S.M. Adib, N. ElSaghir, **W. Ammar**. "Guidelines for breast cancer screening in Lebanon Public Health Communication". *J Med Liban* 57(2):72-4. 2009
- F. El-Jardali, D. Jamal, H. Dimassi, **W. Ammar**, V. Tchaghchaghian, (2008). *The Impact of Hospital Accreditation on Quality of Care: Perception of Lebanese Nurses.* *International Journal for Quality in Health Care.* October
- **W. Ammar**, R. Wakim, I. Hajj. "Accreditation of Hospitals in Lebanon: A Challenging Experience". *Eastern Mediterranean Health Journal*, vol. 13 no. 1, 2007. pp.138-149.
- C. Obermeyer, M. Schulein, C. Kasparian, **W. Ammar**. "Medication Use, Gender, and Socio-Economic Status in Lebanon Analysis of a National Survey". *Lebanese Medical Journal / Vol. 50 (5-6).* September - December 2002.
- M. Daher, H. Tabari, J. Stjernsward, **W. Ammar**, TA. Nabhan, MB. Khalil, A. Dakwar, M. Khoury, A. Lteif, E. Stephan, E. Tueni, S. Makarem, F. Ferris, G. Kanazi, SG. Tourbah, Z. Naja, Z. Mansour. "Lebanon: Pain Relief and Palliative Care". *Pain Symptom Management Journal.* August 2002.
- **W. Ammar**, N. Karam. *Health Systems Performance Assessment.* *Lebanese Medical Journal*, Vol.49 n3.May-June 2001.
- **W. Ammar**, R. Kasparian. *What is Fair in Financing Fairness?.* *Lebanese Medical Journal*, vol 49 n 3.May-June, 2001.
- **W. Ammar**, M. Awar. *What Does the World Health Report 2000 bring to Lebanon?.* *Lebanese Medical Journal*, vol 49 n 3.May-June, 2001.
- **W.Ammar**, R.Hamadeh,Z. Abu Shakra, G. Hamadeh. *The Government Health Center Role Redefined: Cervical Cancer Screening in the Shouf Area.* *Lebanese Medical Journal.* Vol 48(3)May-June, 2000. p.p.161-163.
- **W. Ammar**, A. Jokhadar, M. Awar. *Health Sector Reform in Lebanon.* *Lebanese Medical Journal.* November – December, 1998. pp.328-334
- **W. Ammar**, A.H. Mechbal, M. Awar. *Le Financement de la Santé au Liban I. Organisation des Services de Soins, Système de Couverture, et Contribution du Ministère de la Santé Publique.* *Lebanese Medical Journal.* May – June, 1998, vol. 46 (3) pp. 149 – 155.
- **W. Ammar**, A. H. Mechbal, O. Azzam. *Le Financement de la Santé au Liban II. Sources de Financement et Dépense Globale pour la Santé.* *Lebanese Medical Journal.* July – August, 1998, vol. 46 (4) pp. 206 – 211.

- W. Van Lerberghe, **W. Ammar**, R. El Rashidi, A. Mechbal. "Reform Follows Failure: I. Unregulated Private Care in Lebanon". *Health Policy and Planning* Vol. 12, No. 4, 1997.
- W. Van Lerberghe, **W. Ammar**, R. El Rashidi, M. Awar, A. Sales, A. Mechbal. "Reform Follows Failure: II. Pressure for Change in the Lebanese Health Sector". *Health Policy and Planning* Vol. 12, No. 4, 1997.
- W. Van Lerberghe, **W. Ammar**, A. Mechbal. "De l'Impasse à la Réforme: la Crise du Secteur de Santé au Liban". *Studies in Health Services Organization & Policy*, 2, 1997.