

Dalal A. Youssef

PhDc, MSc, MPH, RSM, BRM, BSc

Senior epidemiologist, Lecturer, Road safety expert, Researcher

Manager of the Lebanese clinical trials program (LBCTR)

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## Profile

Multilingual seasoned epidemiologist with over than 10 years' experience in the field, manager of the Lebanese Clinical Trials (LBCTR) program, road safety expert, assessment officer lecturer, and researcher in public health, epidemiology, and biostatistics. Appointed emerging leader of international infectious diseases by the International society for infectious diseases. Ph.D. candidate in public health, option Epidemiology, and Biostatistics, at the University Of Bordeaux Segalen (ISPED). Specialist in epidemiology at the Ministry of Health Public in Lebanon since 2012 with combined expertise in surveillance systems, outbreak investigation, emergency preparedness, early warning, clinical research, and rapid response to emerging and re-emerging diseases. Instrumental in supervising the design and administration of surveys to collect and report epidemiological, healthcare, and disease prevention data. Thorough knowledge of the basic principles and methods of epidemiology. Involved in the process of converting disease surveillance reporting from a paper-based system to a web-based electronic platform (DHIS-2) and in much operational research in the area of emerging and re-emerging infectious diseases, surveillance, vaccine-preventable diseases, injury prevention, occupational health, and mental health. Lecturer at the National Pedagogical Institute for Technical Education since 2017. National data coordinator for the global road safety report. Has several scientific publications in her areas of expertise and has first-authored over 15 research articles published in international, peer-reviewed journals and has directed several dissertations for traffic major students since 2017. Served as a reviewer of several international journals and have directed several dissertations for traffic major students since 2017.

## Personal information

Gender : Female  
Nationality : Lebanese  
Place of birth : Machghara, West Bekaa, Lebanon  
Civil status : Single  
Domicile : Sodeco, Damascus road, Beirut, Lebanon  
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Scopus: Dalal Youssef

## Education

2019 to date Ph.D. in Public Health in process (intended date for thesis defense: December 2022), option: Pubic Health and epidemiology, ISPED, school of public Health, Bordeaux University, France, UMR\_S 1219 – Bordeaux, Research Center for Population Health (BPH)- Prevention and management of injuries

	Thesis title: Epidemiology of road traffic injuries in Lebanon: incidence, risk factors and case management
2019	Project management professional (PMP)
2017	Professional certification in Bio-risk management (BRM), International Federation of Biosafety Association (USA). The first Lebanese to be certified <a href="https://internationalbiosafety.org/wp-content/uploads/2022/03/Directory-of-Certified-Professionals-March-14-2022-Biorisk-Management.pdf">https://internationalbiosafety.org/wp-content/uploads/2022/03/Directory-of-Certified-Professionals-March-14-2022-Biorisk-Management.pdf</a>
2014-2016	Master in Road Safety Management Higher school of engineering in Beirut, Saint- Joseph University in collaboration with Renault Foundation, France (Fully-funded scholarship) Thesis title: Epidemiology of road traffic injuries in Bekaa
2015-2016	Diploma in medical coding (International classification of diseases-10th version) Saint Joseph University-Beirut
2010-2011	Master in Public Health (Epidemiology and Biostatistics) Doctoral School of Science & Technology / Lebanese University – with honors Thesis title: Risk perception and risky behaviors among Lebanese academic students
2009-2010	Master in Applied Sciences (Biology) Lebanese University / Faculty of Sciences - with honors Thesis title: Autism and its genetic causes in Lebanon: a cross-sectional study
2007-2009	Bachelor of sciences degree in Biology Lebanese University, Faculty of Sciences, Hadath, Lebanon - with honors
2007-2010	Bachelor's degree in French Literature Faculty of arts and human sciences, Lebanese university, Zahle, Lebanon
2005-2006	Lebanese Baccalaureate: life sciences Secondary official school / Machghara - with honors

## Employment history

<b>Current Position</b>	Manager of the Lebanese Clinical Trials Registry (LBCTR) program which is the first Primary Registry for Clinical Trials in Arab Countries
June 2021 to date	Name of the director: Mr. Fadi Sinan, General Director of the ministry of public health Description of duties <ul style="list-style-type: none"> <li>- Managing the online registry of clinical trials in Lebanon including trials that target humans from the full spectrum of therapeutic areas of pharmaceuticals, surgical procedures, preventive measures, lifestyle, treatment and rehabilitation strategies, and complementary therapies.</li> <li>- Support in the development of innovative solutions for the site and patient participation to ensure the delivery of assigned studies on time allocation, initiation, and conduct of trials.</li> <li>- Supports study feasibility and country patient commitments.</li> <li>- Manages input to the study protocol, and operational aspects of the study.</li> <li>- Ensures that study start-up activities are conducted and completed on time</li> <li>- Assist in driving the conduct of the study, (tracks status, maintains study level reporting systems, oversees forecasts, progress, and mitigation plans), to ensure all study operational aspects are on track</li> <li>- Ensures recruitment targets are met and reviews enrolment at the site level including responsibility for approval of enrolling above site targets.</li> </ul>

- Coordinates the study handover process to ensure proper documentation and communication, when necessary
- Tracks that all study closeout activities are performed on time, in collaboration with CRAs and key study stakeholders.
- Delivery of quality data and compliance to quality standards
- Conducts or coordinates protocol-specific training, as needed.
- Provides feedback about the quality of monitoring activities
- Supports inspection readiness and submission preparation for monitoring related activities.
- Participates in multidisciplinary taskforces to support continuous improvement initiatives and productivity.
- Authorization of institutions (universities, hospitals...) to provide IRBs after meticulous review of their files presented to the Ministry of Public Health.
- Participated in research activities, special investigations and descriptive and analytic studies relating to specific diseases; interprets results and adapts to epidemiology programs and related programs.
- Prepared technical reports and scientific articles and participates in grant writing activities.
- Designs and implements epidemiological studies and surveillance systems.
- Determined and utilized appropriate statistical methods to evaluate and interpret data.
- Provided consultation to health care professionals, community organizations, and others on specific disease, injury, or conditions; designed extraction coding and data usage for multi-site studies.
- Lectured for various organizations on diseases, injuries, or conditions; prepares educational materials for public distribution; planned and participated in epidemiological studies.
- Led development research program for automating medical facilities and equipment.
- Developed data collection forms data collection strategies and data analysis guidelines.
- Prepared coordinated implemented and managed independent epidemiology research.
- Monitored scientific research conducted by associate scientists during complex laboratory experiments testing and analysis; accountable for risk management and trial protocols.
- Provided supervision mentorship and leadership to all assigned research teams
- Ensured compliance of research development with internal and external quality requirements

**Current position:** REACH senior assessment officer

Oct 2022 to  
date

- Design and implement REACH assessment strategy and methodology within Lebanon country-wide.
- Assist in development of strategy for remote data collection in inaccessible areas of Lebanon.
- Management of REACH assessment staff to ensure a smooth and timely implementation of activities.
- Ensuring that assessment strategies are implemented in a structured and coherent manner in line with project and strategic objectives.
- Coordinate and ensure timely data collection, analysis and, in partnership with GIS team, mapping of datasets, ensure that all collected data are geo-referenced.
- Ensure the writing of timely and accurate assessment reports and factsheets.
- Keep track of all projects and programmes assessment schedules and work with field staff to design and implement REACH assessment procedures.

- Supporting the development/revision of assessment / programme strategies, reports, or new proposals.
- Development of assessment staff training matrices, and overseeing development of capacity in capital and field assessment staff;
- Liaising with programme staff of ACTED departments to ensure close coordination and information sharing is maintained.
- External representation of REACH with Donors, Partners and the wider Aid Community through clusters and sectoral working groups.
- Overseeing development of training in mobile data collection for national authorities and development partners in Lebanon

2019-2021

Senior epidemiologist at the Ministry of Public Health/Preventive Medicine department

Name of Director: Dr. Atika Berry, Head of preventive medicine department, Beirut, Lebanon

Description of duties

1. Member of the COVID-19 rapid response team in Lebanon
2. Coordination of the repatriation process and follow up with travelers during the early phase of COVID-19 pandemic for the 14 days following their arrival to Lebanon.
3. Coordination with hotels designated for quarantine and assessment of knowledge, attitudes, and practices of hotels staff in addition to infection prevention and control adopted measures.
4. Notification of travelers about their PCR test results in the first phase of the pandemic.
5. Assessment of Suitability of residential setting for Homecare for COVID-19 positive cases
6. Assessment of hospitals readiness to be selected as COVID-19 vaccination sites
7. Coordination with COVID-19 vaccination sites in terms of needed equipment's
8. Coordination with COVID-19 isolation centers
9. Developing/Adapting SOPs, guidelines, and brochures concerning the COVID-19 pandemic
10. Handling and managing the process of repatriation of foreign human bodies to their countries (refugees, foreign workers)
11. Managing and building capacities of the volunteers who supported the MOPH during COVID-19 (repatriation process and travelers follow-up)
12. Assisting in scientific committee work, including committee attendance and project meetings
13. Communication and Raising awareness about COVID-19 among travelers and the community
14. Gathering and analyzing data related to communicable diseases and items provided to hospitals (PPEs, laboratory kits, vaccines...)
15. Conducting analytic and descriptive studies regarding influenza vaccination, COVID-19 vaccine, KAP among OBGYN, KAP among cleaners' staff in hospitals.
16. Collecting and managing data from laboratories regarding antimicrobial resistance using WHONET and sharing it in the GLASS platform
17. Coordination of point prevalence survey concerning antibiotic use in Lebanese hospitals
18. Performing routine duties and other duties in the department as assigned by the supervisor

19. Surveillance and follow up of COVID-19 cases in jails
20. Supporting the epidemiological surveillance unit in the COVID-19 case investigation.
21. Coordination with the red cross to ensure safe transportation of COVID-19 cases to the hospital.
22. Assist the people's complaints about vaccination procedures, quarantines, or isolation.
23. Recommending new programs or changes to existing disease intervention programs to reduce morbidity and mortality rates; conducting research of epidemiological, healthcare, and disease prevention data and the preparation of tables, graphs, and data summaries for inclusion in reports.
24. Supervising the design and administration of surveys to collect and report epidemiological, healthcare, and disease prevention data; overseeing the development, maintenance, and quality of major epidemiological, healthcare, and prevention databases including information.
25. Thorough knowledge of the basic principles and methods of epidemiology; sound understanding of biostatistics as applied to epidemiology; knowledge of the methods to control communicable diseases
26. Application of computers to the analysis and management of epidemiological data
27. Design innovative theories in relation to healthcare concerns associated with infections

**Previous  
position(MOPH)**

Senior epidemiologist at the Ministry of Public Health ESU, From 2012 till 2019

Name of director: Dr. Nada Ghosn, Head of Epidemiological Surveillance Program, Ministry of Public Health – Beirut, Lebanon

Description of duties

2016-2018

- National coordinator of event-based surveillance
  - Follow up with the hotline on complaints reported by the community regarding suspected infectious diseases (food poisoning, the spread of diseases...) and initiating alerts verification and needed investigation.
  - Handling, reporting, and documenting in a complaint log and preparing daily reports on the nature and number of complaints, nature, and current status
  - Daily screening for online websites: Promed, Medicis, Gphine, international health websites (WHO, CDC...), circulated rumors and social media platforms
  - Filtering, generating, investigating, and confirming alerts
  - Preparing daily reports on health events detected locally and internationally and sharing it with stakeholders
  - Assessment of the current situation water laboratories established by WHO in the government hospitals: opportunities and challenges
  - Management of antimicrobial resistance database from hospitals using WHONET
  - Providing support in developing a national plan for initiating surveillance of infectious diseases in Jails.
  - Developing and implementing methods and systems for acquiring, compiling, synthesizing, extracting and reporting information
  - Designing statistical analysis plans, then performing and guiding analysis
- Providing critical analysis and thinking, advice and recommendations on issues based on accepted scientific understanding of infectious and emerging diseases in a global context.

- Providing statistical insight in the interpretation and discussion of study results
- Contributing to study reports, either by writing the report or managing others
- Communicating analysis results through presentations and publications
- Using qualitative and quantitative methods when conducting research, planning, and programming information for use in developing health policy
- Networking with cross-sector specialists and global colleagues to identify where their expertise and experience can benefit or enhance your approach
- Collaborating with government agencies and other global health partners to assist in the development of positions and recommendations on key policy issues
- Supporting international health diplomacy strategies and activities, such as the planning, coordination and hosting of international conferences and workshops related to diseases.
- Assisting in the formulation of progress reports and related documents to assess programme progress.
- Maintaining focus and delivery against commercial objectives, especially if working in the private sector.

- 2017
- Coordinator of the migration process of surveillance reporting from a cumbersome paper-based system to a web-based electronic platform (DHIS-2) in order to have real-time information for early detection of alerts and outbreaks and prompt response.
  - Building capacities, mentoring, and coaching experience to assist the MoPH peripheral staff including caza physicians and ESU peripheral staff
  - Performing 80 training sessions targeting 1290 users were conducted throughout the country. Those trained included 35 district and provincial health officers, 150 focal persons working in all public and private hospitals, 140 focal persons in laboratories, and 800 in medical centers and dispensaries.
  - Developing users' guidelines, posters, and brochures
  - Generating indicators: Completeness and timeliness for reporting for the period before and after the implementation of DHIS2.
  - Documentation of the implementation phase
- 2015-2016
- National coordinator and data manager for hospital-based mortality surveillance
  - Focal person for all running surveillance systems in Mount Lebanon province including hospitals, medical centers, schools, and laboratories
  - Preparing weekly reports on communicable diseases such as hepatitis A, brucellosis, mumps, and others
- 2012-2014
- Coordinator and data manager for hospital/ER based surveillance for road traffic injury in the Bekaa region
  - Member of the National data coordinator team for the third global report on road safety
  - Coordinator and data manager for medical center-based surveillance and school-based surveillance for West-Bekaa and Rashaya districts
  - Data manager for Severe Acute Respiratory Infection (SARI)-intensive care unit based surveillance program in the Bekaa region 2013-2014
  - Developing SOPs for ESU staff for communicable diseases

- Developing guidelines concerning operating surveillance system
- Conducting case and outbreak investigation: meningitis, brucellosis, measles, pertussis, mumps, hepatitis A and rabies
- Field visits and investigation of clusters of measles and hepatitis in the Syrian camps
- Conducting descriptive and analytical studies: brucellosis, rapid coverage survey
- Conducting training sessions for health and related professional for medical centers schools and hospitals to improve completeness and quality of reported data.

### Other employment

2021	Peer reviewer in several journals (Plos one: Q1 journal)
2019-2020	Coordination of the Point Prevalence Survey on Antibiotic use in Lebanese hospitals
2014-2018	National data coordinator for the global road safety report <a href="http://www.who.int/violence_injury_prevention/road_safety_status/2015/TableA1.pdf">www.who.int/violence_injury_prevention/road_safety_status/2015/TableA1.pdf</a>
2017 to date	Lecturer in IPNET Lebanese Higher Institute of Technical & Professional, Bir Hassan and Tripoli branches Lebanon. Delivered courses: -Fleet safety management -Road traffic accidents, emergency management, -Epidemiology and Applied statistics
2017 to date	Member of the committee responsible for the preparation of official exams for the traffic major in IPNET
2017 to date	Member of the jury responsible for the oral official examination for the students in traffic major section. Assigned by the ministry of education to prepare official exams in higher technical schools
2017 to date	Director of statistical projects conducted by students in traffic major
2011-2012	Teaching in Meydoun Official school for scientific courses
2009-2012	Teaching in Saint Savor school, Bekaa

### Selected trainings and international courses and meetings

1. Hazard management training by world health organization, December 2012
2. Amos and SEM, India, July 2021
3. Project management professional (PMP-PMI) preparatory course, Formatech, Beirut, Lebanon
4. Rapid response in emergency case training, January 2013
5. Data management of SARI in Cairo, April 2013
6. Lebanese Epidemiological Association meeting 2011, 2012, 2013
7. Second inter-country meeting of EMARIS, Sharm el Sheikh, November 2013
8. Injury prevention regional meeting for focal person in MOH, Amman 2014
9. Shipment of infectious diseases: IATA training
10. Workshop on Road safety, Unesco 2015
11. Training on rapid intervention against Ebola, Morocco 2015
12. Introduction to infectious diseases modeling and its application in London, June 2015
13. Workshop on Diarrheal diseases in Beirut, November 2014
14. Entomology Training in Beirut, May 2015
15. DHIS training, Beirut July 2014 - January 2015

16. Rapid Response to Public Health Emergencies: Amman, August 2016
17. GOARN training, dead sea, Amman, October 2016
18. Time series analysis in Beograd, March 2015
19. Basic and advanced security in field, October 2016
20. SSAFE training for surge deployment from UNDSS, Amman 2017
21. Biosafety and biosecurity course, MENA-ABOT2, Morocco 2017
22. DHIS2 basic training in India 2017 and tracker module in Nigeria 2017.
23. PPS training of hospitals, Beirut 2019

## Communications

### Oral presentations

1. Emphnet Seventh EMPHNET Regional Conference, Amman 2021: Knowledge, attitudes, and practices among Lebanese Obstetricians and gynecologists toward Coronavirus Disease-2019 (COVID-19) and pregnancy
2. IEA Conference: Use of event-based surveillance for infectious diseases surveillance: Lebanon 2018
3. Emphnet 6th conference, Amman, Jordan: Use of DHIS2 for real-time surveillance: Lebanon 2017
4. Emphnet 6th conference, Amman, Jordan Laboratory-Based Surveillance Using District Information System (DHIS2): Lebanon 2017.
5. Emphnet 5th regional conference: Road traffic injury surveillance in Bekaa-Lebanon 2013-2015, a descriptive analysis from emergency department-based surveillance
6. Use of DHIS2 for surveillance, Oslo 2016,2017

### Poster presentations

1. When a neglected tropical zoonotic disease emerges in non-endemic countries: Need to proactively fill the knowledge gaps towards human monkeypox among the Lebanese population. ISID2022, Malaysia, 2022
2. Integrating the Health Belief model to determine factors associated with COVID-19 Vaccine Acceptance in Lebanon: Differences between health care workers and non-healthcare workers, IMED 2021
3. Emphnet 5th regional conference: Alerts generated by mortality surveillance, Lebanon 2016
4. Towards the activation of the Public Health Emergency Operations Center in Lebanon, 2018, IHR Meeting, Cairo, Egypt

### Language skills

- Arabic: Mother language, read, spoken, and written
- French: Read, spoken, and written
- English Working language: Read, spoken, and written
- Spanish Beginner

### Computer Skills

1. Statistics programs: STATA, SPSS, Amos, Epidata, ArcGIS, DHIS2, WHONET, Berkeley Madonna
2. MS Office: Word, Excel, Powerpoint
3. Other online platforms: Microsoft team, WebEx, zoom

### Methodological and research skills

- Designing of different types of epidemiological studies, development of research protocols, implementation of studies, collection and data management, and analytical statistical analysis.



- Ability to analyse, summarise and interpret complex epidemiological data
- Accuracy and a methodical approach to work
- Excellent oral and written communication skills in order to communicate ideas and methods clearly and succinctly

### Interpersonal skills

- High tolerance for ambiguity
- Demonstrated capacity for problem-solving and decision-making
- Experience conducting training for adult learners
- Working in multi-cultural environments
- Demonstrated mentoring or coaching experience
- Ability to work independently and take responsibility for your own work and time
- Ability to work effectively as a member of a multidisciplinary team and to liaise with a range of health professionals and scientific and industry specialists
- Problem-solving skills to identify and find solutions to day-to-day practical problems
- Multi-tasking skills when managing a range of varied tasks, while keeping to agreed deadlines
- Ability to deal with unpredictable situations and conflicting information

### Hobbies and Interests

Listening to music, traveling, exploring different cultures and history, photography

### List of recent publications (First authorship)



1. Phased repatriation of Lebanese expatriates stranded abroad during coronavirus disease 2019 (COVID-19) pandemic. **Youssef D**, Berry A, Ghosn N, Zalzali M, Fadlallah R, Abou-Abbas L, Hassan H. Arch Public Health. 2021 Nov 23;79(1):206. doi: 10.1186/s13690-021-00740-y. PMID: 34814944 **Free PMC article.**
2. Exploring determinants of community pharmacist-led influenza vaccination in a Middle Eastern country: a national web-based cross-sectional study. **Youssef D**, Abou-Abbas L, Hassan H. J Pharm Policy Pract. 2021 Sep 20;14(1):77. doi: 10.1186/s40545-021-00367-y. PMID: 34544502 **Free PMC article.**
3. Pharmacists as immunizers in Lebanon: a national survey of community pharmacists' willingness and readiness to administer adult immunization. **Youssef D**, Abou-Abbas L, Farhat S, Hassan H. Hum Resour Health. 2021 Oct 24;19(1):131. doi: 10.1186/s12960-021-00673-1. PMID: 34689762 **Free PMC article.**
4. Prevalence and risk factors of burnout among Lebanese community pharmacists in the era of COVID-19 pandemic: results from the first national cross-sectional survey. **Youssef D**, Youssef J, Hassan H, Abou-Abbas L. J Pharm Policy Pract. 2021 Dec 24;14(1):111. doi: 10.1186/s40545-021-00393-w. PMID: 34952654 **Free PMC article.**
5. Prevalence and correlates of burnout among physicians in a developing country facing multi-layered crises: a cross-sectional study. **Youssef D**, Youssef J, Abou-Abbas L, Kawtharani M, Hassan H. Sci Rep. 2022 Jul 23;12(1):12615. doi: 10.1038/s41598-022-16095-5. PMID: 35871153 **Free PMC article.**
6. Vaccination against influenza among Lebanese health care workers in the era of coronavirus disease

- 2019.Youssef D, Berry A, Youssef J, Abou-Abbas L.BMC Public Health. 2022 Jan 18;22(1):120. doi: 10.1186/s12889-022-12501-9.PMID: 35039009 Free PMC article.
7. Practice of non-pharmaceutical interventions against COVID-19 and reduction of the risk of influenza-like illness: a cross-sectional population-based study.Youssef D, Issa O, Kanso M, Youssef J, Abou-Abbas L, Abboud E.J Pharm Policy Pract. 2022 Aug 30;15(1):54. doi: 10.1186/s40545-022-00450-y.PMID: 36042506 Free PMC article.
  8. Determinants of acceptance of Coronavirus disease-2019 (COVID-19) vaccine among Lebanese health care workers using health belief model.Youssef D, Abou-Abbas L, Berry A, Youssef J, Hassan H.PLoS One. 2022 Feb 22;17(2):e0264128. doi: 10.1371/journal.pone.0264128. eCollection 2022.PMID: 35192664 Free PMC article. Clinical Trial.
  9. Feeling the burn in the era of COVID-19: cross-cultural adaptation and validation of the Arabic version of the Copenhagen Burnout Inventory among community pharmacists.Youssef D, Abou-Abbas L, Youssef J.J Pharm Policy Pract. 2022 Mar 17;15(1):21. doi: 10.1186/s40545-022-00419-x.PMID: 35300730 Free PMC article.
  10. Converting the existing disease surveillance from a paper-based to an electronic-based system using district health information system (DHIS-2) for real-time information: the Lebanese experience.Youssef D, Yaghi A, Jouny A, Abou-Abbas L, Chammaa H, Ghosn N.BMC Health Serv Res. 2022 Mar 25;22(1):395. doi: 10.1186/s12913-022-07773-1.PMID: 35337327 Free PMC article.
  11. Integrating Health Belief model to determine factors associated with COVID-19 Vaccine Acceptance in Lebanon: Differences between health care workers and non-healthcare workers, 13 October 2021. IJID. available at Research Square <https://doi.org/10.21203/rs.3.rs-960319/v1>.
  12. Dalal Youssef, Linda Abou Abbas, Hamad Hassan et al. Barriers to Implementing a Pharmacist-Run Immunization Service, as Perceived by community Pharmacists in a Middle Eastern Country: A cross sectional web-based survey, 01 September 2021, PREPRINT (Version 1) available at Research Square <https://doi.org/10.21203/rs.3.rs-861898/v1>. **Accepted : BMC health services**
  13. Knowledge, attitudes and practices among Lebanese Obstetricians and gynecologists toward Coronavirus Disease-2019 (COVID-19) and pregnancy, 27 May 2021, Dalal Youssef, Linda Abou Abass, Atika Berry et al. available at Research Square <https://doi.org/10.21203/rs.3.rs-193232/v1>. Archives of Public Health
  14. Knowledge, attitudes and practices of hospital cleaning services staff towards Coronavirus Disease-2019 (COVID-19) in a Middle Eastern country: A web-based cross-sectional study. Under review. BMC archives of Public Health
  15. Piloting of Road Traffic Injuries surveillance system using Emergency Department data in Bekaa, Lebanon 2013-2015.
  16. Assessing the Suitability of the Residential Setting for Home Care for Coronavirus Disease 2019 (COVID-19) positive cases
  17. Anger hits the road: Validation and cross-cultural adaptation of the Arabic version of driving anger scale and its association with road traffic crashes and fines
  18. Burnout among Lebanese Health Care Workers amid COVID-19 pandemic: Validation of the Arabic
  19. Cross cultural adaptation and Validation of the Driver Behavior Questionnaire among a representative sample of Lebanese drivers
  20. Effects of driving anger on aberrant driver behavior in a Middle Eastern country: Results from a national self-reported data

21. Traffic locus of control scale – Arabic version (T-LOC-A): Psychometric properties and association with driving behavior and risk involvement
22. When a neglected tropical zoonotic disease emerges in non-endemic countries: Need to proactively fill the unveiled knowledge gaps towards human monkeypox among the Lebanese population
23. Following the COVID19 playbook and battling another infodemic: Conspiracy beliefs around human Monkeypox among the Lebanese population

#### Other accomplishments:

- Appreciation certificate from the minister of Public Health for outstanding performance and exceptional efforts during the response to COVID-19 pandemic in Lebanon
- Certification of excellence for the best student delivered from the pioneers “Al awael” program

#### References

- Nada Ghosn, MD, Head of epidemiological surveillance unit, ministry of health, [esumohleb@gmail.com](mailto:esumohleb@gmail.com)
- Pascale Salameh, PharmD, MPH, PhD, Clinical and Epidemiological Research Laboratory (LCER), Faculty of Pharmacy, 6573-14, Lebanon, [pascalesalameh1@hotmail.com](mailto:pascalesalameh1@hotmail.com)
- Ramzi Salameh, PHD, Previous director of Road safety management program in USJ, National road safety council, Lebanon, [ramzi.salame@usj.edu.lb](mailto:ramzi.salame@usj.edu.lb).
- Louis Rachid Salmi, MD, PhD, Professeur Emérite, Bordeaux School of Public Health (past-chair) INSERM U-1219, Bordeaux Population Health (Injury Epidemiology, Transportation, Occupation team), Research Council, EUROSPINE, the Spine society of Europe, Associate Editor, Injury Prevention, Adjunct Professor, Ontario Tech University, Faculty of Health Science [louis-rachid.salmi@u-bordeaux.fr](mailto:louis-rachid.salmi@u-bordeaux.fr)
- Hamad Hassan, PharmD, PhD, Minister of the ministry of Public Health, Lebanon  
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