

Current employment and experience summary:

Since January 2018, I have been a consultant clinician in infectious diseases and general internal medicine at Imperial College Healthcare NHS Trust and am an Honorary Senior Clinical Lecturer at Imperial College, London. My clinical role includes consults for infectious diseases at St Mary's Hospital, Acute Medicine on calls at St Marys Hospital and inpatient infectious diseases at Hammersmith Hospital. I have robust leadership and academic experience working within the NHS and humanitarian sector as well as international research collaborations on antimicrobial resistance, humanitarian response and health system governance. I teach locally at Imperial College (BSc Global Health, MPH) and internationally in a range of academic and humanitarian settings.

Since 2012, I have volunteered clinically and collaborated academically with humanitarian organisations and academic institutions on work relating to Syria and forced migrants; this has focused on health system strengthening and governance, education, antimicrobial resistance and clinical-epidemiological studies. I am co-PI on a research project with University of Berkeley and Johns Hopkins on the public health impacts of attacks on healthcare, another on tele-microbiology in the Syrian conflict and am a researcher on an MRC funded project on health system governance in Syria. I joined Medicin du Monde in 2015 as part of the Ebola response in Moyamba, Sierra Leone and was project lead for SAMS-Hellas, a humanitarian organisation where we provided primary healthcare to refugees in Greece between 2016 and 2018. Since March 2021, I have worked part time as an infectious diseases advisor with a focus on malaria, emerging infectious diseases and the COVID-19 response for MSF OCA.

I have led consultations for international organisations including for WHO, UN and the World Bank on issues around refugee health and healthcare workers. Most recently, I have completed an analysis of Syria's health system for UN ESCWA which feeds into their Future of Syria program. I was a member of the WHO Expert Advisory Group on the ethical recruitment of healthcare workers internationally and am currently on the WHO Expert Advisory Group on refugee and migrant health. Between June and December 2020, I consulted for WHO EURO and Primary Care International to provide teaching, training and support to doctors in northwest Syria on the COVID-19 response.

Education and Qualifications:

November 2020	PG Certificate in University Lecturing and Teaching, Imperial College, London
September 2015-2021	Diploma in Conflict and Catastrophe Medicine (Worshipful Society of Apothecaries)
January 2018	CCT (Certificate of Completion of Training) in Infectious Diseases/ General Internal Medicine London Training Program, UK
January 2018	MD(Res) Imperial College, London Clinical-Epidemiological research on TB in north west London
July 2014	Specialty Certificate Examination for Infectious Diseases MRCP(UK) Infectious Diseases
January-March 2014	Diploma in Tropical Medicine and Hygiene (DTM&H) London School of Tropical Medicine and Hygiene
June 2008	MRCP(UK)
1999- 2005	Bachelor of Medicine and Surgery (MBBS) Imperial College School of Medicine, London (Merit in year 1)
2003	Intercalated BSc in Endocrinology (1st Class Honours) Imperial College School of Medicine, London
1999	A-levels (As in Biology, Chemistry, Mathematics, Art)
1997	GCSEs (A* in Latin, Ancient Greek, Sanskrit (RSA), English Language, Biology, Physics, Chemistry, Maths, Arabic, History, A in English literature). St James Independent School for Girls, London

Prizes/ Awards:

- **Imperial College Emerging Leaders Alumni Award**, February 2020 (<https://www.imperial.ac.uk/alumni/alumni-awards/the-winners/aula-abbara/>)
- **BIA Travel Award**, to attend ECCMID oral and poster presentations, June 2017
- **GE Healthcare and Women in Global Health Award** for project in Greece. World Health Assembly, May 2017
- **Ebola Medal for Service in West Africa** from Her Majesty's Government, September 2015
- Nominated for a **Teaching Excellence Award for NHS Teachers** with Imperial College, London. May 2015
- 2nd Prize at 5th Annual Conference: **Life Changing Medicine at London Deanery**. March 2015
- SAMS (Syrian American Medical Society) **Medical Relief Award for work with refugees**. February 2015
- **Wellcome Trust Award and Imperial College Prize for elective** at the Shoklo Malaria Research Unit (part of the Wellcome-Mahidol University- Oxford Tropical Medicine Research Program.) September 2004

Employment History:

Consultant in Infectious Diseases and General Medicine at Imperial College Healthcare NHS Trust

January 2018 to current

During this post, I cover the infectious diseases inpatient ward for three months of the year at Hammersmith Hospital, am part of a 1:8 Acute Medicine on call rota at St Marys Hospital and provide cross-site infectious diseases consults to Acute and General Medicine as well as specialist infection advice to renal, ICU, haematology, cardiology and cardiothoracics. I do a weekly general infection and TB clinic, attend the weekly TB MDT, provide alternate week ICU infection rounds and actively participate in the

clinical-academic seminars at Hammersmith Hospital. I am co-founder and infection representative of the weekly endocarditis MDT. Since August 2020, I am the Unit Training Lead for Infection. I am clinical and educational supervisor to IMTs who do our firm and am appraiser for the IMT ARCPs. I am the Specialty Coding Lead for Infectious Diseases, provide monthly data on infectious diseases inpatient activity including length of stay, lead the organising of the weekly medical teaching at Hammersmith Hospital and establishing a multi-disciplinary sepsis meeting to improve the recognition and management of sepsis on the Hammersmith site. I am site lead for medical students at the Hammersmith and firm lead at St Mary's Hospital. As of December 2020, I have been nominated to join the COVID-19 Treatment Group for the Trust.

Infectious Diseases/ General Medicine specialist registrar training on North London Program

February 2017 to January 2018 – ST7 in HIV/ID/GIM at St Mary's Hospital, London

During this post, I was responsible for the inpatient care of patients with HIV across the trust and consulted on patients with infectious diseases. I did one clinic each week for HIV patients and HIV-hepatitis B or C co-infected patients. I joined the bi-weekly infection MDT with the paediatric, microbiology and infectious diseases team. I co-ordinated the weekly departmental teaching with in-house and invited speakers and organise the bi-annual histology and morbidity and mortality meetings. I was a tutor for the 5th year medical students from Imperial College to whom I deliver infectious diseases tutorials and case-based teaching. My job included the leadership of the clinical team, attendance at the bi-weekly consultant ward rounds and ensuring that the day to day clinical management of patients is optimal. I participated in the weekly morning report and the weekly TB MDT. I supervised and perform relevant procedures including CVC lines, arterial lines and lumbar punctures. I was on a 1:8 out of hours on call.

October 2014 to February 2017 – Tuberculosis Research Fellow at Imperial College, London

During this period, I undertook clinical-epidemiological research exploring the TB cohort in North-West London; this work contributed towards my MD(Res) thesis at Imperial College. The components include drug-induced liver injury in TB, a comparison between TB in the elderly and TB in younger patients and amikacin ototoxicity in multi-drug resistant TB.

I also co-ordinated several NIHR funded projects at this site and supervised students and junior doctors on projects relating to infectious diseases and tropical medicine, resulting in over 25 accepted oral and poster presentations as well as publications.

Examples of NIHR funded studies:

- OVIVA (Oral versus intravenous antibiotics in bone and joint infections) – site set up, recruitment, co-PI at NWP site
- DexEnceph (Does dexamethasone improve outcomes in adults with HSV encephalitis)
- VOT v DOT (Virtual Observed Therapy for Patients with Tuberculosis (NCT02680470))
- AdjuVIT - Trial of Adjunctive Vitamin D in Tuberculosis Treatment, (UKCRN ID 2411)
- PREDICT (UKCRN ID 8489); Predictive Values of Next Generation Interferon Gamma Release Assays for Latent Tuberculosis Infection (NCT02512939)
- IDEA - IGRAs in evaluation of active TB (UKCRN ID 10667)
- ACE Latent; ACE Active; (ISRCTN11774734)

In July-August 2015, I took 6 weeks out of research to **volunteer in an Ebola Treatment Centre in Moyamba**, Sierra Leone with Medicin du Monde as part of the UK's Ebola response. In addition to clinical leadership and practice, I co-developed a teaching course for local nurses and community healthcare workers covering a range of clinical topics relevant to their practice. I received an Ebola Medal of Service for this work.

October 2013 to October 2014 – OOPC. Volunteer work in Turkey and Jordan with 2 Non-Governmental Organisations and completed the DTMH (see below)

Specialist Registrar Training in Infectious Diseases/ General Internal Medicine in London – ST3-ST6

Specialty Training Year 6: St Thomas' Hospital, London

April to October 2013. Intensive Care Medicine

October 2012 to April 2013. Virology and Microbiology

Specialty Training Year 5: Ealing Hospital, London

October 2011 to October 2012. Infectious Diseases/ General Internal Medicine

Specialty Training Year 4: Northwick Park Hospital, London

October 2010 to October 2011. Infectious Diseases

Specialty Training Year 3: Imperial College Healthcare NHS Trust, London

October 2009 to October 2010. Infectious Diseases/ Microbiology/ General Medicine

August 2009 to October 2009. Birmingham Heartlands Hospital. Infectious Diseases

Core Medical Training – Hillingdon Hospital NHS Trust, London

Specialty Training Year 2

August 2008 to August 2009. Care of the Elderly, Respiratory and Cardiology.

Specialty Training Year 1

August 2007 to August 2008. Accident and Emergency and Intensive Care Medicine.

Academic Foundation Program, Imperial College, London

I was an Honorary Clinical Research Fellow at Imperial College where a training program on different aspects of research was provided.

Foundation Year 2: St Mary's Hospital, London

August 2006 to August 2007. General Practice, Academic Medical Microbiology and Hepatology.

Foundation Year 1: Central Middlesex Hospital, London

August 2005 to August 2006. Colorectal Surgery, Gastroenterology and Care of the Elderly.

International clinical, humanitarian and advisory roles:

I have volunteered clinically, as an educator and as a project leader within a number of contexts in Europe, Africa and the Middle East and have led consultations for international organisations e.g. WHO, UN on topics related to health systems and forced health.

Dates	Title	Role	Explanation
March 2021-current	Infectious diseases/ malaria/ COVID-19 specialist advisor	Advisor	I work part time for MSF OCA in the Manson Unit in London as an advisor on infectious diseases on a number of OCA missions. I am lead for COVID-19 which includes support for projects in India, North East Syria, DRC and Myanmar.
November 2020-2021	Member of WHO Expert Advisory Group on refugee and migrant health	Advisory	I provide expert input into concepts and documents relating to this topic, influencing research and policy.
September 2020 to December 2020	*Consultant for UN ESCWA. Provided an analysis of Syria's health system as part of their National Agenda for the Future of Syria Program	Consultant	I led this project on behalf of UN ESCWA which provided an analysis of Syria's health system. I worked with two junior researchers to review existing literature and conduct key informant interviews. From this, we produced detailed policy recommendations for Syria's future health system. We provided a 40,000 word report which will feed into work on the National Agenda for the Future of Syria Program.
June-December 2020	*Consultant for WHO EURO and Primary Care International for north west Syria on COVID-19	Teaching and remote clinical support	I delivered 4 Arabic language COVID-19 lectures to doctors in north west Syria and my colleague provided 4 for ICU. We provided real time support on clinical cases and decision making and fortnightly two-hour sessions to discuss cases and updates. I continue to do this voluntarily.
2019	Member of WHO Expert Advisory Group on the ethical recruitment of healthcare workers internationally	Advisory	I participated in two 4-day meetings in WHO HQ in Geneva and provided comments and inputs into documents. I presented my work around the refugee healthcare workforce with recommendations for policies which could support their integration. The final document was launched at the WHA in 2020.
May-June 2018	Project Evaluation for SAMS of their primary healthcare project for Rohingya Refugees in Bangladesh	Project evaluation and volunteer clinician	I provided an evaluation of SAMS' primary healthcare project in the Rohingya refugee camps, volunteered as a clinician and provided teaching to the health workers. I participated in the cluster meetings and represented the organisation in camp and cluster meetings.
2016-2018	Project lead for SAMS-Hellas where we provided primary healthcare for refugees in Greece.	Voluntary Leadership, clinicians and clinical support role	I volunteered around 20-30 hours per week to support the set-up, organisation, partnerships with local and national stakeholders, recruitment of paid and voluntary staff, protocol writing (clinical and programmatic,) monitoring and evaluation; financial accountability, reporting and communication, leadership and management for this project. We provided over 30,000 primary healthcare consultations for refugees in northern Greece and on the islands.
2017 to current	Chair of Health Professionals for Global Health	Chair	I co-founded and chair this organisation which formed from Alma Mata and the Global Health Curriculum Group which focuses on advocacy, education and events around Global Health issues relevant to the UK health workforce; this includes the inclusion of global health competencies into UK curricula. We have collaborated with organisations such as ISID, LSHTM, RSTMH and organised a meeting in the House of Lords with the APPG on Global Health
July-August 2015	Volunteer clinician in Moyamba Ebola Treatment Centre in Sierra Leone for Medicin du Monde	Volunteer clinician & teaching	I volunteered as clinician in the Ebola treatment centre. I also set up and delivered infectious diseases and non-communicable diseases lectures suitable to the nurses and healthcare workers in the centre.
March 2015 to current	Co-chair and founder of the Syria Public Health Network	Chair	We launched at the Royal Society of Medicine in March 2015. Our aim is to provide a space where policy makers, academics, government and NGO actors and Syria public health specialists can discuss issues pertinent to public health in Syria. Topics tackled include Syrian healthcare workforce, NCDs, health systems, mental health, COVID-19. Events have been held at Chatham House, DFID and Royal Society of Medicine.
2014 to current	Lead for SAMS Infectious Diseases Committee	Lead	I lead a committee which focuses on infectious diseases including TB, antimicrobial resistance, outbreaks, COVID-19 in Syria and refugee hosting countries.
2013	Volunteer clinician in Atmeh refugee camp on the Syria-Turkey border with HIHFAD	Clinician	I co-established a clinic to provide primary healthcare for arriving refugees who were fleeing conflict in Syria. This included program management including inventory, project management, volunteer management and ensuring flow of patients.
2013-2014	Volunteer clinician in refugee camp and clinics in Jordan	Volunteer clinician and teaching	I volunteered with the Syrian American Medical Society in Zaatari refugee camp in Jordan and in clinics and hospitals which treat Syrian refugees. This also included a hospital which treated war injuries with whom I developed protocols on antimicrobials, antimicrobial stewardship and infection control. I ran study sessions and worked on measures to tackle antimicrobial resistance (noted to be high) among the refugees.

*Any fees received have been used to support refugee researchers or have been donated to charity. All other roles are voluntary and are completed outside of my clinical time

Research Experience:

I am an Honorary Senior Clinical Lecturer at Imperial College, London. Below are details of the main research projects I am or have been involved with. I also lead smaller research projects related to forced migrant health and humanitarian health e.g. on vector-borne diseases, telemedicine in conflict, refugee workforce, syndromic surveillance for communicable diseases in unstable settings.

Date	Title	Role	Funder	Explanation
Sept-Dec 2020	Right to health for populations in Lebanon and Jordan	Lead	Lebanon Support	This research included literature reviews and key informant interviews around the topic of the right to health for the whole population in Lebanon and Jordan. I worked with two junior researchers to draw on the work to make recommendations.
2019 to current	Public Health Impacts of Attacks on Healthcare in Syria	Co-PI with Rohini Haar in Berkeley	R2HC	I lead the SAMS part of the work with collaborators in Berkeley and Johns Hopkins where we use mixed methods to explore the public health impact of attacks on healthcare in Syria. My role is to provide research leadership and supervise the research fellows, support data analysis and interpretation, support dissemination and high-level advocacy. \$400K USD
2019 to current	Tele-microbiology in Syria	Investigator. PI is Nabil Karah	Canada Grand Challenges	\$250,000 grant from the Canada Grand Challenges fund which will support and build capacity in three laboratories in Syria using tele-microbiology. Implementation began in April 2019. My role is to support implementation, guide methodology and training and ensure we fulfil the aims of the grant.
2018 to current	Health System governance in Syria	Co-investigator. PI is Natasha Howard at LSHTM	MRC	This project will use a qualitative study design to explore health system adaptation and governance in conflict. My role is to develop the research methodology, establish appropriate contacts, hire and supervise research fellows, ensure ethical approvals are met and guide completion of the project.
2018 to 2020	Subeditor of Clinical Handbook of Refugee Health	Designed concept and co-led clinical chapters	Taylor & Francis publishers	This handbook is now in press and covers key public health and clinical topics related to forced migration. For release in 2021.
2017 to current	Chair of Syrian American Medical Society Research Committee	Chair	NA	I lead the research committee on analysis of SAMS' data, operational research, capacity building and exploring new opportunities for research which benefits Syrians in Syria and who are refugees. We have collaborations with Harvard, Yale, Johns Hopkins and Berkeley.
2017 to 2020	Lancet-AUB Commission on Syria	Contributor	NA	I have volunteered with the commission on behalf of the Syria Public Health Network and SAMS to support background research and policy on Syria.
October 2014 to February 2017	Research Fellow in TB at Imperial College, London. MD(Res)	Supervisors were Prof Kon and Dr Davidson	R&D department of LNWH NHS Trust	Details above. I established and coordinated several NIHR funded studies, mainly on TB. My MD(Res) projects were on TB related drug induced liver injury, TB in the elderly and ototoxicity/ other side effects of MDR-TB in a London cohort between 2002 and 2015.

I am also part of a collaboration on antimicrobial resistance and conflict. We were unsuccessful at obtaining ERC funding in 2020 but work continues on this. The main academic institutions are Kings College, London and the American University in Beirut and the main NGO collaborators were MSF Belgium. The aim of this collaboration is to take a multidisciplinary approach to studying AMR in conflict. We are developing a proposal to seek funding for a prospective study on AMR in war injuries. I lead the clinical-epidemiology stream which will include retrospective and prospective clinical studies in collaboration with MSF and ICRC in the middle east; sites are being chosen but are likely to include Gaza, Lebanon, Iraq (Mosul) and a site in Turkey. Other streams including microbiology, social science and environmental.

A list of academic publications and presentations is provided at the end.

Teaching and Education

I have broad experience of delivering and organising teaching. I provide clinical, lecture based, bedside teaching and tutorials in the UK and internationally to medical students, training doctors and nurses and international healthcare workers. Feedback comments on my enthusiasm and inclusiveness. I have been nominated/ commended a number of times for the Teaching Excellence Awards for NHS Teachers with Imperial College, London and I have undertaken formal training in a range of teaching methods at Imperial College. From July 2020, I am the Unit Training Lead for Infection for education and training within the department. I have completed the PG Cert in University Teaching and Learning and am enrolled in the Diploma. I hold the FHEA (Fellowship in Higher Education Academy.)

Date	Role	Course	Explanation
2020 to current	Module Lead	Imperial College, MPH. Global Health Challenges and Governance module	This 6-week module gives students a grounding in key global health topics. I have developed skills in remote teaching/ blended learning given the COVID-19 pandemic.

2017 to current	Contributor	Imperial College Global Health BSc	I deliver lectures/ tutorials and have co-designed a module on communicable diseases in Syria for the students. I set questions and mark students' work. I supervise two-three students annually for their summer projects. I previously co-led the infectious diseases module (this is now merged into an integrated way of delivering the course.)
2018 to current	Supervisor	Site Lead at Hammersmith. Firm Lead at St Marys.	I am tutor/ supervisor for fifth, final year and second year students who join the infectious diseases firm.
2018 to current	Lead	Morning Report at Imperial NHS Healthcare Trust	I lead the weekly medical morning report which includes clinical cases relevant to all grades of doctors
2013 to current	Various	International teaching	I am involved with different education projects. This includes teaching for SAMS on AMR, IPC to Syrian doctors in Gaziantep, Turkey; a UNICEF sponsored course on AMR in 2017; tele-education on AMR/ microbiology to Syrian microbiologists; ongoing teaching on infectious diseases and COVID-19 to undergraduates and postgraduates in Syria.

National and International Lectures

I am regularly invited to speak at a number of national and international topics including on infectious diseases, forced migrant health, ethical consideration in humanitarian practice, Syrian healthcare workforce among other topics to different institutions/ organisations. Recent examples include on Attacks on Healthcare in Syria to LSHTM; ethical perspectives on humanitarian action at Imperial College; women in conflict and leadership at Kings College, London; COVID-19 in Syria for MSF India Scientific days.

Referees:

Publications:

Peer reviewed articles are included below. I have also presented at international academic and humanitarian conferences on infectious diseases, humanitarian health and refugee/ migrant health. I have more than 50 posters at national and international conferences. Full list available on request.

This is a list of peer reviewed papers:

Desai AN, Mohareb AM, Hauser N, **Abbara A**. Antimicrobial Resistance and Human Mobility. *Infect Drug Resist*. 2022;15:127-133 <https://doi.org/10.2147/IDR.S305078>

Rayes, D., Meiqari, L., Yamout, R, **Abbara A**. *et al*. Policies on return and reintegration of displaced healthcare workers towards rebuilding conflict-affected health systems: a review for *The Lancet*-AUB Commission on Syria. *Confl Health* 15, 36 (2021). <https://doi.org/10.1186/s13031-021-00367-4>

Michael Knipper, Ana Cristina Sedas, Salmaan Keshavjee, **Aula Abbara**, Naser Almhawish, Hani Alashawi, Leonid Lecca, Michael Wilson, Almuddin Zumla, Ibrahim Abubakar, Miriam Orcutt, The need for protecting and enhancing TB health policies and services for forcibly displaced and migrant populations during the ongoing COVID-19 pandemic, *International Journal of Infectious Diseases*, Volume 113, Supplement 1, 2021, <https://doi.org/10.1016/j.ijid.2021.03.047>.

Yarwood V, Gunst M, Chen CY, Jarman K, Rokadiya S, Isreb M, **Abbara A**. A retrospective review of specialist referrals for refugees into Greece's health system: A humanitarian organization's perspective. *Avicenna J Med*. 2021 Apr 19;11(2):84-92. doi: 10.4103/ajm.ajm_136_20. PMID: 33996646; PMCID: PMC8101647.

Karamya ZA, Youssef A, Adra A, Karah N, Kanj SS, Elamin W, Nahas RA, Shaddood A, Saleh A, Althiab E, **Abbara A**. High rates of antimicrobial resistance among clinical isolates from microbiology laboratories in Syria. *J Infect*. 2021 Feb;82(2):e8-e10. doi: 10.1016/j.jinf.2020.09.026. Epub 2020 Sep 28. PMID: 32998035; PMCID: PMC7521445.

Sbaiti M, Streule MJ, Alhaffar M...**Abbara, A**. Whose voices should shape global health education? Curriculum codesign and codelivery by people with direct expertise and lived experience *BMJ Global Health* 2021;6:e006262.

Almhawish N, Karah N, Elferruh Y, Aksh A, **Abbara A**. Protecting healthcare workers in conflict zones during the COVID-19 pandemic: Northwest Syria. *J Infect*. 2021 May;82(5):186-230. doi: 10.1016/j.jinf.2021.01.027. Epub 2021 Feb 3. PMID: 33545168; PMCID: PMC7857032.

Benjamin Patterson, **Aula Abbara**, Simon Collin, Merle Henderson, Monicka Shehata, Hannah Gorgui-Naguib, William Lynn, Onn Min Kon, Laurence John, Predicting drug-induced liver injury from anti-tuberculous medications by early monitoring of liver tests, *Journal of Infection*, Volume 82, Issue 2, 2021, <https://doi.org/10.1016/j.jinf.2020.09.038>. (<https://www.sciencedirect.com/science/article/pii/S0163445320307283>)

Aula Abbara, Omar Zakieh, Diana Rayes, Simon M. Collin, Naser Almhawish, Richard Sullivan, Ibrahim Aladhan, Maia Tarnas, Molly Whalen-Browne, Maryam Omar, Ahmad Tarakji, Nabil Karah, Weaponizing water as an instrument of war in Syria: Impact on diarrhoeal disease in Idlib and Aleppo governorates, 2011–2019, *International Journal of Infectious Diseases*, Volume 108, 2021, <https://doi.org/10.1016/j.ijid.2021.05.030>. (<https://www.sciencedirect.com/science/article/pii/S120197122100432X>)

Nabil Karah, PhD, Konstantinos Antypas, PhD, Anas Al-toutanji, MSc, Usama Suveyd, MSc, Rayane Rafei, PhD, Louis-Patrick Haraoui, MD, Wael Elamin, MD, Monzer Hamze, PhD, **Aula Abbara**, MD, Daniel D Rhoads, MD, Liron Pantanowitz, MD, Bernt Eric Uhlin, PhD, Teleclinical Microbiology: An Innovative Approach to Providing Web-Enabled Diagnostic Laboratory Services in Syria, *American Journal of Clinical Pathology*, 2021;, aqab160, <https://doi.org/10.1093/ajcp/aqab160>

Kristen Meagher, **Aula Abbara**, Ola Fahham, Preeti Patel Women Leaders in Syria in the COVID-19 Response and Beyond Published Online: April 29, 2021 <https://doi.org/10.1027/2157-3891/a000012>

Abbara A, Ekzayez A Healthcare leadership in Syria during armed conflict and the pandemic *BMJ Global Health* 2021;6:e005697.

Maia C. Tarnas, Angel N. Desai, Britta Lassmann, **Aula Abbara**, Increase in vector-borne disease reporting affecting humans and animals in Syria and neighboring countries after the onset of conflict: A ProMED analysis 2003–2018, *International Journal of Infectious Diseases*, Volume 102, 2021, Pages 103-109, <https://doi.org/10.1016/j.ijid.2020.09.1453>. (<https://www.sciencedirect.com/science/article/pii/S120197122032169X>)

Karim T, **Abbara A**, Attal B, 2020, Armed conflict alone does not explain the devastation of Yemen's health system, *Bmj Global Health*. Accepted December 2020. In press

Patterson B, **Abbara A**, Collin S, Henderson M, Shehata M, Gorgui-Naguib H, Lynn W, Kon OM, John L. 2020, Predicting drug-induced liver injury from anti-tuberculous medications by early monitoring of liver tests., *J Infect*. December 2020

Yazan Douedari, Mervat Alhaffar, Muhammed Al-Twaish, Hala Mkhallalati, Raheb Alwany, Nafeesah Bte Mohamed Ibrahim, Ayshath Zaseela, Nour Horanieh, **Aula Abbara**, Natasha Howard. "Ten years of war! You expect people to fear a 'germ'?: A

qualitative study of initial perceptions and responses to the COVID-19 pandemic among displaced communities in opposition controlled north west Syria. December 2020. *Journal of Migration and Health*.

Abbara A, Ekzayez A, Tarakji A, Khalil M, Sullivan R. 2020, Sanctions on Syria. *The Lancet Global Health*, Vol:8, November 2020 ISSN:2214-109X, Pages: e1369-e1369

Karah N, Rafei R, Elamin W, Ghazy A, **Abbara A**, Hamze M, Uhlin BE 2020, Guideline for Urine Culture and Biochemical Identification of Bacterial Urinary Pathogens in Low-Resource Settings., *Diagnostics*, Vol:10, ISSN:2075-4418

García-Mingo A, **Abbara A**, Roy RB, 2020, "You said the hospital can't be bombed". *The Lancet Child and Adolescent Health*, ISSN:2352-4642

Tarnas MC, Desai AN, Lassmann B, **Abbara A** 2020, Increase in Vector-Borne Disease reporting affecting humans and animals in Syria and neighboring countries before and after the onset of conflict: A ProMED analysis 2003-2018, *International Journal of Infectious Diseases*, ISSN: 1201-9712

Karamya ZA, Youssef A, Adra A, Karah N, Kanj SS, Elamin W, Nahas RA, Shaddood A, Saleh A, Althiab E, **Abbara A** 2020, High rates of antimicrobial resistance among clinical isolates from microbiology laboratories in Syria, *Journal of Infection*, ISSN: 0163-4453.

Joseph L, Ismail S, Gunst M, Jarman K, Prior D, Harris M, **Abbara A**, 2020, A qualitative research study which explores humanitarian stakeholders' views on healthcare access for refugees in Greece, *International Journal of Environmental Research and Public Health*, Vol: 17, ISSN: 1660-4601. 2020

Marzouk M, Rayes D, Douedari Y, Alkarim T, Mhawish N, **Abbara A**. Situational brief: Impact of COVID-19 on forcibly displaced persons inside Syria. *Lancet Migration and Health*. July 2020 <https://www.migrationandhealth.org/migration-covid19-briefs>

Bdaiwi Y, Rayes D, Sabouni A, Murad L, Fouad F, Zakaria W, Hariri M, Ekzayez A, Tarakji A, **Abbara A** Challenges of providing healthcare worker education and training in protracted conflict: a focus on non-government controlled areas in north west Syria, *Conflict and Health*, ISSN:1752-1505. July 2020

Abbara A, Rayes D, Fahham O, Alhiraki OA, Khalil M, Alomar A, Tarakji A 2020, Coronavirus 2019 and health systems affected by protracted conflict: the case of Syria, *International Journal of Infectious Diseases*, Vol:96, ISSN:1201-9712, Pages:192-195

Abbara A, Rayes D, Khalil M, Kewara M, Tarakji A. 2020. Humanitarian catastrophe for civilians in northwest Syria. *British Medical Journal*. Vol 368. 1756-1833

Abbara A et al. Time to diagnosis of tuberculosis is greater in older patient: a retrospective cohort review. *ERJ Open*. Published November 2019

Abbara A, Almalla M, AlMasri I, AlKabbani H, Karah N, El-Amin W, Rajan L, Rahhal I, Alabbas M, Sahloul Z, Tarakji A, Sparrow A 2019, The challenges of tuberculosis control in protracted conflict: the case of Syria, *International Journal of Infectious Diseases*, ISSN: 1201-9712

Abbara A, Rayes D, Omar M, et al., Overcoming obstacles along the pathway of integrating Syrian healthcare professionals in Germany, *BMJ Global Health*. September 2019

Helen R. Stagg, Graham H. Bothamley, Jennifer A. Davidson, Heinke Kunst, Maeve K. Lalor, Marc C. Lipman, Miranda G. Loutet, Stefan Lozewicz, Tehreem Mohiyuddin, **Aula Abbara**, Eliza Alexander, Helen Booth, Dean D. Creer, Ross J. Harris, Onn Min Kon, Michael R. Loebinger, Timothy D. McHugh, Heather J. Milburn, Paramita Palchaudhuri, Patrick P.J. Phillips, Erik Schmok, Lucy Taylor, Ibrahim Abubakar on behalf of the London INH-R TB study group Fluoroquinolones and isoniazid resistant TB: implications for the 2018 WHO guidance. *European Respiratory Journal* 2019; DOI: 10.1183/13993003.00982-2019

Orcutt M, Rayes D, Tarakji A, Katoub M, Spiegel P, Rubenstein L, Jabbour S, Alkhalil M, Alabbas M, **Abbara A** 2019, International failure in northwest Syria: humanitarian health catastrophe demands action, *Lancet*, Vol:394, ISSN:0140-6736, Pages:100-103

Gunst M, Jarman K, Yarwood V, Rokadiya S, Capsaskis L, Orcutt M, **Abbara, A**. Healthcare access for refugees in Greece: Challenges and opportunities. *Health Policy*. 14th June 2019

Abbara A, Rawson T, Karah N, El-Amin W, Hatcher J, Tajaldin B, Dar O, Dewachi O, Sub Sitta G, Eric Uhlin B, Sparrow A. Antimicrobial resistance in the context of the Syrian conflict: a summary and appraisal of existing evidence. *International Journal of Infectious Diseases* June 2018

Abbara A, Rawson T, Karah N, El-Amin W, Hatcher J, Tajaldin B, Dar O, Dewachi O, Sub Sitta G, Eric Uhlin B, Sparrow A. Antimicrobial resistance in the context: drivers before and after the onset of conflict and key recommendations. *International Journal of Infectious Diseases* May 2018

Thi A, **Abbara A**, Bouri S, Collin SM, Woflson P, Owen L, Buell K, John L, Hart A. Challenges in screening for latent tuberculosis in inflammatory bowel disease prior to biologic treatment: a UK cohort study. *Frontline Gastroenterology*. 4th April 2018

A Abbbara, S Chitty, J Roe, R Ghani, S Collin, A Ritchie, OM Kon, J Dzvova, H Davidson, T Edwards, C Hateley, M Routledge, J Buckley, R Davidson, L John. Drug-induced liver injury from antituberculous treatment: a study from a large TB centre in the UK. *BMC Infectious Diseases*. March 2017

Fouad M Fouad, Annie Sparrow, Ahmad Tarakji, Mohamad Alameddine, Prof Fadi El-Jardali, Adam P Coutts, Nour El Arnaout, Lama Bou Karroum, Mohammed Jawad, Sophie Roborgh, **Aula Abbbara**, Fadi Alhalabi, Ibrahim AlMasri, Dr Samer Jabbour. Health workers and the weaponisation of health care in Syria: a preliminary inquiry for *The Lancet*–American University of Beirut Commission on Syria. *Lancet*. March 2017

M Dias, **A Abbbara**, R Gilbert, M van Schalkwyk, C Rees, H Ryland, AJM Leather, B Williams, N Crisp. Equipping doctors for global health challenges. *Journal Royal Society of Medicine*. January 2017

T Rawson, **A Abbbara**, K Kranzer, A Ritchie, J Milburn, T Brown, D Adeboyeku, J Buckley, RN Davidson, M Berry, OM Kon, L John. Factors which influence treatment initiation for pulmonary non-tuberculous mycobacterium infection in HIV negative patients; a multicentre observational study. *Respiratory Medicine*. November 2016. Volume 120. Pages 101-108

Mishal S Khan, Anna Osei-Ko, Abbas Omar, Hilary Kirkbride, Anthony Kessel, **Aula Abbbara**, David Heymann, Alimuiddin Zumla, Osman Dar Pathogens, prejudice, and politics: the role of the global health community in the European refugee crisis *Lancet Infect Dis* 2016

I Sharif, **A Abbbara**, SM Collin, M Orcutt, A Coutts, W Maziak, Z Sahloul, O Dar, T Corrah, F Fouad. Communicable disease surveillance and control in the context of conflict and mass displacement in Syria. *International Journal of Infectious Diseases*. May 2016

A Abbbara, A Coutts, F Fouad, SA Ismail, M Orcutt. Mental Health amongst displaced Syrians: findings from the Syria Public Health Network. *Journal of the Royal Society of Medicine*, January 2016

MZ Sahloul, JM Hassan, A Sankari, M Kherallah, B Atassi, S Badr, **A Abbbara**, A Sparrow. The Other Syrian Crisis: The Impact of the Syrian Conflict on Healthcare in the Areas of Pulmonary and Critical Care Medicine. *Annals of the American Thoracic Society*. January 2016

A Abbbara, R Hallam, O Gabbar. British air strikes may affect Syrian healthcare. *BMJ Blogs*. December 2015

Rieu R, Chang C, Collin SM, Fazekas J, Dassanaik S, **Abbbara A**, Davidson RN. Time-To-Detection in liquid culture of sputum in pulmonary MDR-TB does not predict culture-conversion for early discharge. *Journal of Antimicrobial chemotherapy*. December 2015

A Abbbara, K Blanchet, Z Sahloul, F Fouad, A Coutts, W Maziak. The Effect of the Conflict on Syria's Health System and Human Resources for Health. *World Health & Population*, 16(1) September 2015: 87-95.doi:10.12927/whp.2015.24318 /a <http://www.longwoods.com/content/24318>

A Abbbara, M Orcutt, O Gabbar. Syria's lost generation of doctors. *British Medical Journal* 2015; 350 doi: <http://dx.doi.org/10.1136/bmj.h3479> (Published 30 June 2015)

A Coutts, F Fouad, **A Abbbara**, A Sibai, Z Sahloul, K Blanchet. Responding to the Syrian health crisis: the need for data and research. *Lancet Respiratory*. Vol 3. March 2015. [http://www.lancet.com/journals/lanres/article/PIIS2213-2600\(15\)00041-7/abstract](http://www.lancet.com/journals/lanres/article/PIIS2213-2600(15)00041-7/abstract)

S Chitty, R Ghani, **A Abbbara**, JK Roe, H Davidson, M Routledge, T Edwards, C Hateley, S Collin, A Ritchie, J Dzvova, J Buckley, RN Davidson, L John Drug Induced Liver Injury In The Treatment Of Tuberculosis In A Busy UK Centre. *Thorax*. 2014 doi:10.1136/thoraxjnl-2014-206260.319

Abbbara A, Toynbee M. A career in Tropical Medicine. Offering opportunities to work in the United Kingdom and abroad. *Student British Medical Journal* 2014; 22:g7075. <http://student.bmj.com/student/view-article.html?id=sbmj.g7075>

Abbbara A, Brooks T, Taylor G, Nolan M, Donaldson H, Manikon M, Holmes A. Continuing Cases of Anthrax in Europe: Lessons from the London Experience. *Emerging Infectious Diseases*, CDC. July 2014. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4073855/>

Stephanie Ascough, Rebecca J Ingram, **Aula Abbbara**, Alison J Holmes, Bernard Maillere, Daniel M Altmann and Rosemary J Boyton. Injectional anthrax infection due to heroin use induces strong immunological memory. *Journal of Infection*. Jan 2014. [http://www.journalofinfection.com/article/S0163-4453\(13\)00322-8/abstract](http://www.journalofinfection.com/article/S0163-4453(13)00322-8/abstract)

M Eder, H Farne, T Cargill, **A Abbbara**, R Davidson. Intravenous Artesunate vs. intravenous Quinine in the Treatment of severe Falciparum Malaria: A retrospective Evaluation from a United Kingdom Centre. *Pathogens and Global Health* May 2012. <http://www.ncbi.nlm.nih.gov/pubmed/23265377>

A Abbbara, RN Davidson. Etiology and Management of Genitourinary tuberculosis. *Nature Reviews Urology*. 2011;8(12):678-688. <http://www.ncbi.nlm.nih.gov/pubmed/22157940>

A Abbbara, E Brannigan, H Donaldson, J Hatcher, A Holmes. Injectional Anthrax: a new twist on an old disease. *Journal of Infection*. Volume 63, Issue 6, December 2011. Pages 119-120

Peer reviewed correspondence:

Abbara A, Al Kabbani H, Al-Masri I, Sahloul Z, Sparrow A. Populations under siege and in prison require investment by Syria's national tuberculosis program. Accepted by Lancet Respiratory, April 2018

Humphreys A, **Abbara A**, Williams S, John L, Corrah T, McGregor A, Davidson RN. Screening contacts of patients with extrapulmonary TB for Latent TB infections. Thorax. 2018 Mar; 73(3); 277-278

Abbara A, Al-Harbat N, Karah N, Abo-Yahya B, El-Amin W, Hatcher J, et al. Antimicrobial drug resistance among refugees from Syria, Jordan. Emerg Infect Dis. 2017 May. <http://dx.doi.org/10.3201/eid2305.170117>

A Abbara, K Jarman, M Gunst, M Isreb, Z Sahloul Models Similar to the Refugees' Health Unit Exist in Northern Greece. Lancet 388 (10058), 2352. 2016 Nov 12. (Correspondence)

M Isreb, M Alyousef, N Obadi, **A Abbara**, M Sekkarie. Effect of Besiegement on Non-Communicable Diseases: Haemodialysis. Lancet 388 (10058), 2350. 2016 Nov 12.

A Abbara, A Tivey, L John, RN Davidson. Whole spine imaging is justified in tuberculous spondylodiscitis but not pyogenic spondylodiscitis. Journal of Infection. October 2015. DOI: 10.1016/j.jinf.2015.09.034 [http://www.journalofinfection.com/article/S0163-4453\(15\)00312-6/abstract](http://www.journalofinfection.com/article/S0163-4453(15)00312-6/abstract)

Avery K, **Abbara A**, Ghani R, Davidson RN. Recurrent tuberculosis at a large tuberculosis centre in the UK. Journal of Infection. Journal of Infection 12/2014; 70(4). DOI:10.1016/j.jinf.2014.11.011. [http://www.journalofinfection.com/article/S0163-4453\(14\)00370-3/abstract](http://www.journalofinfection.com/article/S0163-4453(14)00370-3/abstract) (Correspondence)