

Acute respiratory infections

Fourth meeting of the Eastern Mediterranean Acute Respiratory Infection Surveillance (EMARIS) network and first scientific conference on acute respiratory infections in the Eastern Mediterranean Region, 11–14 December 2017, Amman, Jordan

Abubakar A, Barakat A, Ahmed A, Elkholy A, Alsawalha L, Alariqi L, Malik M, Obtel M, Sahak M, Mrad P, Triki S, Al Awaidy S, Khan W.

[Full text](#)

Characteristics of severe acute respiratory infection-associated hospitalization in Yemen, 2014–2015

Thabet AA, Al-Kohani A, Shadoul A, Al-Mahaqri A, Bin Yahya M, Saleh AH, Al-Addeemy D, Khan W, Malik M.

[Full text](#)

Burden of acute respiratory disease of epidemic and pandemic potential in the WHO Eastern Mediterranean Region: a literature review

Abubakar A, Malik M, Pebody RG, Elkholy A, Khan W, Bellos A, Mala P.

[Full text](#)

Infection prevention and control measures for acute respiratory infections in healthcare settings: an update

Seto WH, Conly JM, Pessoa-Silva CL, Malik M, Eremin S.

[Full text](#)

Influenza

Rapid assessment of case recruitment tools to inform integrated surveillance of influenza and other respiratory viruses in Eastern Mediterranean countries

Mathieu E, Alam N, Abou El Naja H, Khan W.

[Full text](#)

State and situation of avian influenza in the Eastern Mediterranean Region

Badra R, Abubakar A, Tempia S, Alam S, Abou ElNaja A, Kayali G, Khan W.

[Full text](#)

A review of policies and coverage of seasonal influenza vaccination programmes in the WHO Eastern Mediterranean Region

Attia R, Abubakar A, Bresee J, Mere O, Khan WM.

[Full text](#)

Influenza activity in the Eastern Mediterranean Region (EMR) in 2020–2021 amidst the COVID-19 pandemic

Abou El Naja H, Tempia S, Barakat A, Elkholy A, Aman A, Khan W, Abubakar A.

[Full text](#)

Integrated surveillance for high-impact respiratory viruses: a necessity for better epidemic and pandemic preparedness

Tempia S, Abou El Naja H, Barakat A, Abubakar A, Khan W.

[Full text](#)

Uptake rates, knowledge, attitudes, and practices toward seasonal influenza vaccination among healthcare workers in Lebanon

Alame M, Kaddoura M, Kharroubi S, Ezzeddine F, Hassan G, El-Harakeh MD, Al Ariqi L, Abubakar A, Zaraket H.

[Full text](#)

Improved capacity for influenza surveillance in the WHO Eastern Mediterranean Region: Progress in a challenging setting

Malik MR, Abubakar A, Kholy AE, Buliva E, Khan WM, Lamichhane J, Moen A, McCarron M, Zureick K, Obtel M.

[Full text](#)

Second Scientific Conference for Eastern Mediterranean Acute Respiratory Infections Surveillance (EMARIS): Conference Proceedings

[Full text](#)

Influenza Vaccination Hesitancy among Healthcare Workers in South Al Batinah Governorate in Oman: A Cross-Sectional Study

Al Awaidy ST, Al Mayahi ZK, Kaddoura M, Mahomed O, Lahoud N, Abubakar A, Zaraket H.

[Full text](#)

Human respiratory syncytial virus and influenza seasonality patterns—Early findings from the WHO global respiratory syncytial virus surveillance

Chadha M, Hirve S, Bancej C, Barr I, Baumeister E, Caetano B, Chittaganpitch M, Darmaa B, Ellis J, Fasco R, Kadjo H, Jackson S, Leung V, Pisareva M, Moyes J, Naguib A, Tivane A, Zhang W.  

[Full text](#)

The 2018-19 influenza season in Afghanistan: Epidemiology and Virology

Sahak MN, Arifi F, Hammond AA, Laurenson-Schafer HJ, Saeedzai SA, Safi H, Abubakar A, Elkholy A, Rasooly MH, Ikram AN. 

[Full text](#)

Harnessing the Power of Advocacy to Improve Seasonal Influenza Vaccination Coverage in the Eastern Mediterranean Region

Zaraketa H and Abubakar A.

[Full text](#)

Improved capacity for influenza surveillance in the WHO Eastern Mediterranean Region: Progress in a challenging setting

Malik MR, Abubakar A, Kholy AE.  Buliva E, Khan WM, Lamichhane J.  Moen A, Margaret McCarron M, Zureick K, Obtel M. 

[Full text](#)

Epidemiology of severe cases of influenza and other acute respiratory infections in the Eastern Mediterranean Region, July 2016 to June 2018

Elhakim M, Rasooly MH, Fahim M, Sami Sheikh Ali SS, Haddad N, Cherkaoui I, Hjaija D, Nadeem S, Assiri A, Aljifri A, Elkholy A, Barakat A, Shrestha B, Abubakar A, Malik M.

[Full text](#)

Avian influenza surveillance at the human–animal interface in Lebanon, 2017

Abeer Sirawan, Atika Berry, Rebecca Badra, Bassel El Bazzal, Maysa Dabaja, Hussein Kataya, Ahmed Kandeil, Mokhtar R. Gomaa, Mohamed Ali and Ghazi Kayali

[Full text](#)

Pandemic influenza preparedness (PIP) framework: Progress challenges in improving influenza preparedness response capacities in the Eastern Mediterranean Region, 2014–2017

Abubakar A, Elkholya A, Barakat A, Shrestha B, Elhakim M, Malik M, Bergeri I, Samaan G.

[Full text](#)

Influenza surveillance in Middle East, North, East and South Africa: Report of the 8th MENA Influenza Stakeholders Network

Abusrewil S, Algeer A, Aljifri A, Al Slail F, Andrew MK, Tag Eldin MA, Al Awaidy S, Ben Alaya N, Ben Khelil J, Dbaibo G, Derrar F, Elahmer O, Ghosn N, Gabriel G, Grasso C, Hassan M, Hirve S, Mirza YK, Rateb YM, Nourlil J, Nunes MC, Omaina I, Malande OO, Saadatian-Elahi M, Sanchez-Picot V, Malik M, Tarraf H, Walaza S.

[Full text](#)

Seasonal influenza vaccination policies in the Eastern Mediterranean Region: Current status and the way forward

Abubakar A, Melhem N, Malik M, Dbaibo G, Khan W, Zaraket H.

[Full text](#)

Influenza pandemic preparedness in the WHO Eastern Mediterranean Region

Khan W, El Rifay AS, Malik M, Kayali G.

[Full text](#)

Review of seasonal influenza vaccination in the Eastern Mediterranean Region: policies, use and barriers

Zaraket H, Melhem N, Malik M, Khan W, Dbaibo G, Abubakar A.

[Full text](#)

Distressed setting and profound challenges: Pandemic influenza preparedness plans in the Eastern Mediterranean Region

Malik M, UIHaq Z, Saeed Q, Riley R, Khan W.

[Full text](#)

Influenza-associated severe acute respiratory infections in two sentinel sites in Lebanon—September 2015 to August 2016

Saleh M, Bazzi L, Ismail E, Mroueh L, Jammal N, Elkholy A, Mrad P, Samadi AA, Hijazi A, Abiad F, Nsouli G, Rady A, Khan W, Malik M, Zalloua P, Ammar W, Ghosn N.

[Full text](#)

Revision of clinical case definitions: influenza-like illness and severe acute respiratory infection

Fitzner J, Qasmieh S, Mounts AW, Alexander B, Besselaar T, Briand S, Brown C, Clark S, Dueger E, Gross D, Hauge S, Hirve S, Jorgensen P, Katz MA, Mafi A, Malik M, McCarron M, Meerhoff T, Mori Y, Mott J, Da Costa Olivera MT, Ortiz JR, Palekar R, Rebelo-de-Andrade H, Soetens L, Yahaya AA, Zhang W, Vandemaele K. [\[pdf 154kb\]](#) [Full text](#)

Thematic issue of EMHJ on influenza and other emerging respiratory infections in the Eastern Mediterranean Region

[Full Text](#)

Influenza in the Eastern Mediterranean Region: identifying the unknowns for detection and control of epidemic and pandemic threats

Malik M, Mahjour J, Khan W, Alwan A.
[\[pdf 78kb\]](#) [Full text](#)

Contribution of laboratories in the WHO Eastern Mediterranean Region to the selection of candidate seasonal influenza vaccine

Asghar H, Browne HM, McCauley J, Malik M, Khan W.
[\[pdf 308kb\]](#) [Full text](#)

The H1N1 influenza pandemic of 2009 in the Eastern Mediterranean Region: lessons learnt and future strategy

Haq Z, Malik M, Khan W.
[\[pdf 154kb\]](#) [Full text](#)

Influenza research in the Eastern Mediterranean Region: a review

Khan W, El Rifay AS, Malik M, Kayali G.

[Full text](#)

The challenges of global case reporting during pandemic A (H1N1) 2009

Stephanie Williams, Julia Fitzner, Angela Merianos, Anthony Mounts, and for the Case-based Surveillance Evaluation Group.

[Full Text](#)

Clinical management guidelines for pandemic (H1N1) 2009 virus infection in the Eastern Mediterranean Region: technical basis and overview

Al Hajjar S, Malik MR, Hallaj Z, El-Bushra H, Opoka M, Mafi AR.

[pdf 198kb] [Full text](#)

Beriberi

Outbreak of beriberi among African Union troops in Mogadishu, Somalia

Watson JT, El Bushra H, Lebo EJ, Bwire G, Kiyengo J, Emukule G, Omballa V, Tole J, Zuberi M, Breiman RF, Katz MA.

[Full text](#)

Chikungunya

Chikungunya outbreak in Al-Hudaydah, Yemen, 2011: Epidemiological characterization and key lessons learned from early detection and control

Malik MR, Mnzava A, Mohareb E, Zayed A, Al Kohlani A, Thabet AK, El Bushra H.

[Full text](#)

Cholera

Mitigating the resurgence of cholera in the Eastern Mediterranean Region

Al Mandhari A, Hajjeh R, Abubakar A, Buliva E, Brennan R.

[Full text](#)

Cholera outbreaks in sub-Saharan Africa during 2010-2019: A Descriptive Analysis

Zheng Q, Luquero FJ, Ciglenecki I, Wamala JF, Abubakar A, Welo P, Hussen M, Wossen M, Yennan S, Keita A, Lessler J, Azman AS, Lee EC.

[Full text](#)

Oral cholera vaccination coverage in an acute emergency setting in Somalia, 2017

Lubogo M, Mohamed AM, Ali Abdullahi H, Ali Aden H, Popal GR, Kiongo D, Bile KM, Malik M, Abubakar A.

[Full text](#)

Mapping the burden of cholera in sub-Saharan Africa and implications for control: an analysis of data across geographical scales

Lessler J, Moore SM, Luquero FJ, McKay HS, Grais R, Henkens M, Mengel M, Dunoyer J, M'bangombe M, Lee EC, Djingarey MH, Sudre B, Bompangue D, Fraser RS, Abubakar A, Perea W, Legros D, Azman AS.

[Full text](#)

Genomic insights into the 2016-2017 cholera epidemic in Yemen

Weill FX, Domman D, Njamkepo E, Almesbahi AA, Naji M, Nasher SS, Rakesh A, Assiri AM, Chand Sharma N, Kariuki S, Pourshafie MR, Rauzier J, Abubakar A, Carter JY, Wamala JF, Seguin C, Bouchier C, Malliavin T, Bakhshi B, Abulmaali HHN, Kumar D, Njoroge SM, Malik M, Kiiru J, Luquero FJ, Azman AS, Ramamurthy T, Thomson NR, Quilici M.

[Full text](#)

Cholera in Yemen: concerns remain over recent spike but control efforts show promise

Al-Mandhari A, Musani A, Abubakar A, Malik M.

[pdf 50kb] [Full text](#)

Cholera epidemic in Yemen, 2016–18: an analysis of surveillance data

Camacho A, Bouhenia M, Alyusfi R, Alkohani A, Naji MAM, De Radigul X, Abubakar A, Almoalmi A, Seguin C, Sagrado MJ, Poncin M, McRae M, Musoke M, Rakesh A, Portena K, Haskew C, Atkins KE, Eggo R, Azman AS, Broekhuijsen M, Saatcioglu MA, Pezzoli L, Quilici M, Al-Mesbahy AR, Zagaria N, Luquero F.

[Full text](#)

WHO's reply to Cholera in the time of War: implications of weak surveillance in Syria for the WHO's preparedness—a comparison of two monitoring systems

Muhjazi G, Malik M, Mala P, Nabeth P, Dye C.

[Full text](#)

COVID-19

WHO's support for COVID-19 research and knowledge management in the Eastern Mediterranean Region

Rashidian A, Wu K, Al Ariqi A, Aly E, Mandil A, Barakat A, Kodama C, Kheirandish M, I Hassan HN, Doctor HC, Hemachandra N, Fahmy K, Dingwall P, Nour M, Reddiar SK.

[Full text](#)

Learning from COVID-19 to prevent and prepare for pandemics in the Eastern Mediterranean Region

Brennan RJ, Memish ZA, Rashidian A, Abubakar A, Khan W, Ghaffar A.  

[Full text](#)

COVID-19 pandemic response in the WHO Eastern Mediterranean Region

Abubakar A, Khan W, Abou El Naja H, Al Ariqi L, Borgeot VD, Hauck SJ.

[Full text](#)

SARS-CoV-2 seroprevalence in Aden, Yemen: a population-based study

Bin-Ghouth AS, Al-Shoteri S, Mahmoud N, Musani A, Baoom NM, Al-Waleedi AA, et al.

[Full text](#)

COVID-19 pandemic response in one of the world's most complex and vulnerable settings

Memish ZA, Brennan RJ, Rashidian A, Abubakar A, Khan W, Ghaffar A. 

[Full text](#)

SARS-CoV-2 Variants of Interest and Concern naming scheme conducive for global discourse

Konings F, Perkins MD, Kuhn JH, Pallen MJ, Alm EJ, Archer BN, et al.

[Full text](#)

Seroprevalence of COVID-19 in Palestine in 2020

Rayan I, Qaddomi SE, Najjar O, Abbas S, Mousa K, Iraqi L, Abdelkreem Aly E, Abu Khader K, Barakat A, Salman R.

[Full text](#)

New COVID-19 resurgence in the WHO Eastern Mediterranean region

Nabeth P, Hassan M, Adib K, Abubakar A, Brennan R.

[Full text](#)

Lessons learned during COVID-19: Building critical care/ICU capacity for resource limited countries with complex emergencies in the World Health Organization Eastern Mediterranean Region

Kodama C, Kuniyoshi G, Abubakar A.

[Full text](#)

Addressing the real trajectory of COVID-19 in the Eastern Mediterranean region – Authors' reply

Nabeth P, Hassan M, Adib K, Abubakar A, Brennan R.

[Full text](#)

Efforts to deploy COVID-19 vaccine in the WHO Eastern Mediterranean Region within the first 100 days of 2021

Abubakar A, Al-Mandhari A, Brennan R, Chaudhri I, Elfakki E, Fahmy K, Ghoniem A, Hajjeh R, Hamam I, Hasan Q, Hutin Y, Langar H, Musa N, Rashidian A, Samhoury D. □

[Full text](#)

Early epidemiological investigations: World Health Organization UNITY protocols provide a standardized and timely international investigation framework during the COVID-19 pandemic

Bergeri I, Lewis HC, Subissi L, Nardone A, Valenciano M, Cheng B, et al.

[Full text](#)

A three-phase population based sero-epidemiological study: Assessing the trend in prevalence of SARS-CoV-2 during COVID-19 pandemic in Jordan

Bellizzi S, Alsawalha L, Ali SS, Sharkas G, Muthu N, Ghazo M, Aly E, Rashidian A, Al Ariqi L, Hayajneh W, Profili MC, Obeidat NM. 

[Full text](#)

A participatory modelling approach for investigating the spread of COVID-19 in countries of the Eastern Mediterranean Region to support public health decision-making

Adib K, Hancock PA, Rahimli A, Mugisa B, Abdulrazeq F, Aguas R, White LJ, Hajjeh R, Al Ariqi L, Nabeth P.

[Full text](#)

ROSES-S: Statement from the World Health Organization on the reporting of seroepidemiologic studies for SARS-CoV-2

[Full text](#)

WHO Global Clinical Platform for the Clinical Characterization of COVID-19

[Full text](#)

WHO technical consultation on oxygen access scale-up for COVID-19

[Full text](#)

Global epidemiology of SARS-CoV-2 infection: a systematic review and meta-analysis of standardized population-based seroprevalence studies, Jan 2020-Oct 2021

Bergeri, I, Whelan M, Ware H, Subissi L, Nardone A, Lewis HC, et al.

[Full text](#)

Decisive leadership is a necessity in the COVID-19 response

Al Saidi AM, Nur FA, Al-Mandhari AS, El Rabbat M, Hafeez A, Abubakar A.

[Full text](#)

Tackling COVID-19 in the Eastern Mediterranean Region

Al-Mandhari AM, Brennan RJ, Abubakar A, Hajjeh R.□

[Full text](#)

Solidarity in response to COVID-19 outbreak in the Eastern Mediterranean Region

Al-Mandhari A, Kodama C, Abubakar A, Brennan R.

[Full text](#)

Coronavirus Disease 2019 outbreak: preparedness and readiness of countries in the Eastern Mediterranean Region

Al-Mandhari A, Samhoury D, Abubakar A, Brennan R.

[Full text](#)

COVID-19 highlights the need for a strong health laboratories foundation for infectious disease surveillance and control in the Eastern Mediterranean Region

Konings F, Barakat A, Hutin Y, Hajjeh R.□

[Full text](#)

Crimean-Congo Haemorrhagic Fever

Current status of Crimean–Congo haemorrhagic fever in the World Health Organization Eastern Mediterranean Region: issues, challenges, and future directions

Al-Abri SS, AlAbaidani I, Fazlalipour M, Mostafavi E, Leblebicioglu H, Pshenichnaya N, Memish ZA, Hewson R, Petersen E, Mala P, N Tran Minh, Malik M, Formenty P, Jeffries R.

[Full text](#)

Early warning disease surveillance

Could Emergency Diseases Surveillance Systems Be Transitioned to Routine Surveillance Systems? A Proposed Transition Strategy for Early Warning, Alert, and Response Network

Ashgar RJ, Abubakar A, Buliva E, Tayyab M, Elnossery S.□

[Full text](#)

Establishing syndromic surveillance and event-based surveillance systems for Zika, dengue and other arboviral diseases

[Full text](#)

Implementing the Health Early Warning System based on syndromic and event-based surveillance at the 2019 Hajj

Bieh KL, Khan A, Yezli S, El-Ganainy A, Asiri S, Alotaibi B, Ghallab S, Elkholy A, Abubakar A, Jokhdar H.

[Full text](#)

Real-time surveillance in emergencies using the early warning alert and response network

Cordes KM, Cookson ST, Boyd AT, Hardy C, Malik M, Mala P, El Tahir K, Everard M, Jasiem M, Husain F.

[Full text](#)

Early Warning Disease Surveillance After a Flood Emergency- Pakistan, 2010

Sabatinelli G,¹ Kakar SR,² Khan MR,³ Malik MR, et al.

[Full text](#)

Early Warning, Alert and Response Network (EWARN)

Evaluation of the electronic Early Warning and Response Network (EWARN) system in Somalia, 2017–2020

Lubogo M, Karanja MJ, Mdodo R, Elnossery S, Osman AA, Abdi A, Buliva E, Tayyab M, Omar OA, Ahmed MM, Abera SC, Abubakar A, Malik MR. [\[Full text\]](#)

[Full text](#)

Structure, function and performance of Early Warning Alert and Response Network (EWARN) in emergencies in the Eastern Mediterranean Region

Mala P, Abubakar A, Takeuchi A, Buliva E, Husain F, Malik MR, Tayyab M, Elnossery S.

[Full text](#)

Epidemiological data analysis for the early warning alert and response network [EWARN] in humanitarian emergencies : a quick reference handbook

[Full text](#)

Early Warning Alert And Response Network in emergencies: evaluation protocol

[Full text](#)

Ebola

Preparedness for Ebola: can it transform our current public health system?

Malik M, Mahjour J.

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Preventing the introduction of Ebola virus into the Eastern Mediterranean Region: enhanced preparedness is the key

Malik M, Mahjour J, Alwan A.

[pdf 114kb] [Full text](#)

Mass Gatherings Medicine

Establishment of public health security in Saudi Arabia for the 2009 Hajj in response to pandemic influenza A H1N1

Memish ZA, McNabb SJ, Mahoney F, Alrabiah F, Marano N, Ahmed QA, Mahjour J, Hajjeh RA, Formenty P, Harmanci FH, El Bushra H, Uyeke TM, Nunn M, N, Barbeschi M; Jeddah Hajj Consultancy Group.

Middle East respiratory syndrome (MERS) [Full text](#)

MERS-CoV infection among healthcare workers and risk factors for death: Retrospective analysis of all laboratory-confirmed cases reported to WHO from 2012 to 2 June 2018

Elkholy AA, Grant R, Assiri A, Elhakim M, Malik MR, Van Kerkhove MD

[Full text](#)

2019 Global update on Middle East respiratory syndrome.

Kerkhove MD, Grant R, Al Arian L, Abubakar A, Elkholy A

[Full text](#)

A review of asymptomatic and sub-clinical Middle East Respiratory Syndrome coronavirus infections

Grant R,[□] Malik MR,[□] Elkholy A,[□] Kerkhove MD.

[Full text](#)

Qatar Experience on One-Health Approach for Middle-East Respiratory Syndrome Coronavirus, 2012-2017: A Case study

Farag E, Nour M, Islam M, Mustafa A, Khalid M, Sikkema RS, Alhajri F, Bu-Sayaa A, Haroun M, Kerkhove MD, Elkholy A, Malik SM, Reusken C, Koopmans M, AlHajri MM.[□]

[Full text](#)

Worldwide reduction in MERS cases and deaths since 2016

Donnelly CA, Malik MR, Elkholy A, Cauchemez S, Kerkhove MD.

[Full text](#)

Middle East respiratory syndrome coronavirus (MERS-CoV) neutralising antibodies in a high-risk human population, Morocco, November 2017 to January 2018

Abbad A, Perera R, Anga L, Faouzi A, Tran Minh N, Malik M, Iounes N, Maaroufi A, Kerkhove MD, Peiris M, Nourilil J.

[Full text](#)

Comparative Analysis of Eleven Healthcare-Associated Outbreaks of Middle East Respiratory Syndrome Coronavirus (Mers-Cov) from 2015 to 2017

Bernard-Stoecklin s, Nikolay B, Assiri A, Bin Saeed AA, Ben Embarek PK, El Bushra H, Ki M, Malik MR, Fontanet A, Cauchemez S, Kerkhove MD.

[Full text](#)

What have we learned about Middle East respiratory syndrome coronavirus (MERS-CoV) emergence in humans? A systematic literature review

Dawson P, Malik M, Parvez F, Morse SS.

[Full text](#)

MERS: Progress on the global response, remaining challenges and way forward.

FAO-OIE-WHO MERS Technical Working Group.

[Full text](#)

Health risk assessment at mass gatherings: a report of the camel festival in the Kingdom of Saudi Arabia

Bieh KL, ElGanainy A, Yezli S, Malik M, Aziz Jokhdar HA, Asiri AM, Alotaibi BM.

[pdf 270kb] [Full text](#)

Reported direct and indirect contact with dromedary camels among laboratory-confirmed MERS-CoV cases

Conzade R, Grant R, Malik M, Elkholy A, Elhakim M, Samhouri D, Ben Embarek P, Van Kerkhove MD.

[Full text](#)

Middle East respiratory syndrome coronavirus: current knowledge and future considerations

Malik M, Elkholy A, Khan W, Hassounah S, Abubakar A, Tran Minh N, Mala P.

 [pdf 631kb] [Full text](#)

Closing the knowledge gaps on MERS: three and half years since its detection, what have we learnt and what needs to be done urgently

Malik M, Mahjour J.

 [pdf 83kb] [Full text](#)

Interpreting Results From Environmental Contamination Studies of Middle East Respiratory Syndrome Coronavirus

Van Kerkhove MD, Peiris  MJS, Malik M, Ben Embarek P.

[Full text](#)

Special supplement of Eastern Mediterranean Health Journal on novel coronavirus. Volume 19, supplement 1 (Coronavirus)

[Full Text](#)

Novel coronavirus infection in the Eastern Mediterranean Region: time to act

Malik M, Mafi AR, Mahjour J, Opoka M, Elhakim M, Muntasir MO.

 [pdf 397kb] [Full text](#)

State of Knowledge and Data Gaps of Middle East Respiratory Syndrome Coronavirus (MERS-CoV) in Humans

The WHO MERS-CoV Research  Group.

[Full Text](#)

Emergence of novel human coronavirus:public health implications in the Eastern Mediterranean Region

[Editorial](#)

Emerging respiratory and novel coronavirus 2012 infections and mass gatherings

Al-Tawfiq JA, Smallwood CAH, Arbuthnott KG, Malik M, Barbeschi M, Memish ZA.

[pdf 420 kb] [Full text](#)

Highlights and conclusions from the technical consultative meeting on novel coronavirus infection, Cairo, Egypt, 14-16 January 2013

Joseph C, Malik M, Mounts A, Mafi AR, Briand S, Memish ZA and the technical working group for the meeting on novel coronavirus.

[pdf 466kb] [Full text](#)

Mpox

Monkeypox outbreak and response efforts in the Eastern Mediterranean Region

Al-Mandhari A, Kodama C, Abubakar A, Hajjeh R, Brennan R.

[Full text](#)

Phylogenetic and Ecologic Perspectives of a Monkeypox Outbreak, Southern Sudan, 2005

Nakazawa Y, Emerson GL, Carroll DS, Zhao H, Li Y, Opoka L, et al.

[Full Text](#)**Human Monkeypox Outbreak Caused by Novel Virus Belonging to Congo Basin Clade, Sudan, 2005**

Formenty P, Muntasir MO, Damon I, Chowdhary V, Opoka ML, Malik MR, et al.

[Full Text](#)**Nodding Syndrome**

Nodding Syndrome-South Sudan, 2011

Reik L, Abu Bakr A, Opoka L, et al.

Viral haemorrhagic fevers [Full Text](#)**Strategic approach to control of viral haemorrhagic fever outbreaks in the Eastern Mediterranean Region: Report from a regional consultation**

Malik M, El Bushra HE, Opoka M, Formenty P, Velayudhan R, Eremin S.

[Full text](#)**Laboratory diagnosis of Ebola hemorrhagic fever during an outbreak in Yambio, Sudan, 2004**Onyango CO, Opoka ML, Ksiazek TG, Formenty P, Ahmed A, Tukei PM, Sang RC, Ofula VO, Konongoi SL, Coldren RL, Grein T, Legros D, Bell M, De C
KM, Bellini WJ, Townner JS, Nichol ST, Rollin PE.[Full text](#)

Zika

Screening of ZIKA virus infection among dengue-like illness patients with negative RT-PCR for dengue virus in Punjab – Pakistan

Iqtadar S, Vo TH, Mehmood M, Salman M, Malik MR, Masud F, Tran Minh NN.

[Full text](#)

Enhancing surveillance for early detection of Zika virus infection: strategies for the countries of the Eastern Mediterranean Region

 [pdf 259kb] [Full text](#)

Zika virus: no cases in the Eastern Mediterranean Region but concerns remain

Tran Minh N, Huda Q, Asghar H, Samhouri D, Abubakar A, Barwa C, Shaikh I, Buliva E, Mala P, Malik M.

 [pdf 188kb] [Full text](#)

Zika virus strategic response framework for the Gulf States–2016: An urgent need for collaboration

Binsaheed AA, Al-Hajri M, Nouredin EM, Farag A, Malik M, Al-Zejdali MS, Alhakeem RF, Al-Romaihi H, Alzahrani MH, Alsheikh AA.

[Full text](#)

Zoonotic diseases

Vector-Borne and Zoonotic Diseases in the Eastern Mediterranean Region: A Systematic Review

Koya SF, Abdalla SM, Kodama C, Keita M, Abubakar A. 

[Full text](#)

Helminth Parasites among Rodents in the Middle East Countries: A Systematic Review and Meta-Analysis

Islam MM, Farag E, Hassan MM, Bansal D, Al Awaidy S, Abubakar A, Al-Romaihi H, Mkhize-Kwitshana Z.

[Full text](#)

One Health operational framework for action for the Eastern Mediterranean Region, focusing on zoonotic diseases

Mahrous H, Redi N, Nguyen N, Al Awaidy S, Mostafavi E, Samhouri D.

[Full text](#)

Other

Building critical care capacity for resource-limited countries with complex emergencies in the World Health Organization Eastern Mediterranean Region: Developing and Implementing a Critical Care National Training Program in Yemen

Kodama C, Kuniyoshi G, Obaid BA, Martinez EG, Heinzelmann A, Rashad A, Moneim IA, Baraiah SM, Makki AT, Hashish A, Al Alawi K, Khawam N, Jabbour JY, Abubakar A, Brennan R.  

[Full text](#)

Emerging and Re-emerging Infectious Diseases in the WHO Eastern Mediterranean Region, 2001-2018

Mostafavi E, Ghasemian A, Abdinasir A, Nematollahi Mahani SA, Rawaf S, Salehi Vaziri M, et al.

[Full text](#)

Preparing for future pandemics in the Eastern Mediterranean region

Khan W, Abubakar A, Brennan RJ, Al Hosani F, Obaid T, Nordstrom A, Friberg P.

[Full text](#)

Epidemiological modelling in refugee and internally displaced people settlements: challenges and ways forward

Aylett-Bullock J, Gilman RT, Hall I, et al.

[Full text](#)

How far are we? National preparedness and response capacities for emerging infectious disease outbreaks in the WHO Eastern Mediterranean Region

Al Ariqi L, Buliva E, Chughtai AA, Barakat A, Kidama C, Khan W, Tayyab M, El Nossery S, Aman A, El-Maghraby T, Elkholy A, Abubakar A.

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An international treaty for pandemic preparedness and response is an urgent necessity

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Yunis K, Al Bizri A, Al Raiby J, Nakad P, El Rafei R, Siddeeg K, Tran Minh N, Buliva E,□ Malik M,□ El Adawy M,□ Mahaini R, Ammar W.

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Ducheyne E, Tran Minh N, Haddad N, Bryssinckx W, Buliva E, Simard F, Malik M, Charlier J, De Waele V, Mahmoud O, Mukhtar M, Bouattour Ali, Hussain A, Hendrickx G,

Roiz D.

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