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Current major event

Estimate of Influenza Disease Burden in the Eastern Mediterranean Region

Seasonal influenza is a significant cause of illness and death that affects all countries. It can infect up to 20% of the population resulting in up to 650 000 influenzaassociated respiratory deaths every year globally. WHO Regional Office for the Eastern Mediterranean (EMRO) is supporting countries of the Region to estimate burden of influenza disease across its spectrum of severity.

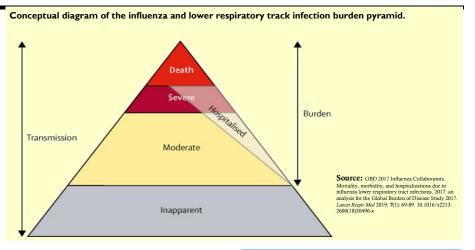
Editorial note

In the Eastern Mediterranean Region (EMR) 21 out of 22 countries have functioning influenza surveillance system. O these countries with functioning influenza surveillance system, 9 countries have estimated the influenza burden of disease (BoD) in previous years, of which 7 have published their finding and recommendations in peer-reviewed journals.

Estimating disease burden constitutes one of the priority activities for the regional roadmap to enhance influenza vaccine uptake in the Region. In this direction, WHO EMRO in coordination with Global Influenza Program team at HQ conducted a 3 day sub-regional workshop in 2022, to provide technical support to Egypt, Lebanon, and the Kingdom of Saudi Arabia to use available historical data from their existing functional sentinel surveillance systems to estimate the burden of influenza disease across the spectrum of severity (i.e., mild/moderate, hospitalization and death).

During the 3-day workshop, participants were able to identify available sources of data and data gaps for Severe Acute Respiratory Infection (SARI) sentinel surveillance system for each country to; 1) assess the quality and suitability of their introduction or expansion of vaccination own data; 2) develop a country-specific programs. As one of the top priorities on the protocol and analytical approach for the estimation of burden of influenza disease; 3) conduct preliminary data analysis with of the vaccine or scale up vaccination rates available data; and 4) interpret the results to after taking into consideration the influenza preparation, the IHP unit will limitations in data and the methods used in continue to assist EMR nations in estimating the disease burden.

Participants were introduced to different focus on six EMR nations is scheduled for WHO tools to help them estimate influenza July -associated SARI hospitalization incidence headquarters and CDC teams. at SARI sentinel sites; extrapolate influenza



-associated SARI hospitalization incidence from SARI sentinel sites to national level; and finally estimate the national influenza disease burden pyramid (i.e. mild/moderate illness, hospitalization and death) using the WHO pyramid webtool (above figure).

Moreover, during the 6th Meeting of the Eastern Mediterranean Acute Respiratory Infection Surveillance (EMARIS) Network held in Muscat, Oman on 13-15 March 2023, several capacity-building workshops were conducted, among which was a workshop on estimating influenza burden of target audience were disease. The Influenza/Pandemic Influenza Preparedness focal points, heads of epidemiological surveillance programs and heads of communicable disease control departments at Ministries of Health attending EMARIS. Participants were eager to learn more about influenza BoD and familiarize themselves with concepts and tools.

The technical support provided by WHO is intended to assist EM countries in gaining a thorough understanding of the burden of influenza, which can then be used to inform cost-burden studies and cost-effectiveness analyses, which will ultimately help decision-makers decide on the most effective public health interventions, such as the regional roadmap for informing evidencebased policies to encourage the introduction improve seasonal and pandemic estimating the burden of influenza disease. So, a second sub-regional workshop with a with WHO in cooperation

Update on outbreaks

in the Eastern Mediterranean Region

COVID-19 in 22 EMR countries

Current public health events of concern [cumulative N° of cases (deaths), CFR %]	
Coronavirus disease 2019 (COVID-19): 2019-2023	
Afghanistan	[212 854 (7885), 3.7%]
Bahrain	[696 614 (1536), 0.2%]
Djibouti	[15 690 (189), 1.2%]
Egypt	[515 970 (24 826), 4.8%]
Iran (Islamic Republic of)	[7 603 091 (145 808) 1.9%]
Iraq	[2 465 545 (25 375), 1%]
Jordan	[1 746 997 (14 122), 0.8%]
Kuwait	[665 645 (2570), 0.4%]
Lebanon	[1 235 804 (10 885), 0.9%]
Libya	[507 250 (6437), 1.3%]
Morocco	[1 272 889 (16 296), 1.3%]
occupied Palestinian territory (oPt)	[703 228 (5708), 0.8%]
Oman	[399 449 (4628), 1.2%]
Pakistan	[1 580 414 (30 655), 1.9%]
Qatar	[504 852 (690), 0.1%]
Saudi Arabia	[838 375 (9638) 1.2%]
Somalia	[27 334 (1361), 5%]
Sudan	[63 993 (5046), 7.9%]
Syrian Arab Republic	[57 423 (3163), 5.5%]
Tunisia	[1 152 483 (29 378), 2.5%]
United Arab Emirates	[1 060 617 (2349), 0.2%]
Yemen	[11 945 (2159), 18.1%]

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