



# Semi-annual Bulletin

Half year summary (January-July) 2022  
Volume 2; Issue Number 1; 2022



Designed by Delta Medical  
ME'NA-IsN

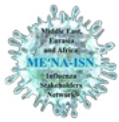


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menaisnnetwork

[www.mena-isn.org](http://www.mena-isn.org)



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## Word of the volume



Listed in the Stanford University's list of top 2% of global researchers, 2020

Qualifications : M.D, Fellowship Pulmonary, Critical Care and Sleep Medicine (USA) FRCP (London)

Present Position : Director and Ex-Officio Secretary to Government, Sher-i-Kashmir Institute of Medical Sciences Soura, Srinagar, Jammu and Kashmir, India

Presentations :  $\geq 500$

Publications :  $>350$  (journals and book chapters)

Memberships /Fellowships : Fellow of American College of Physicians, American College of Chest Physicians, Royal College of Physicians (London), Member, European Respiratory Society, Indian Chest Society, Indian College of Physicians, Association of Physicians of India, ICCM, etc

Member, NTAGI ( National Advisory Group on Immunization). Ministry of Health and Family Welfare, Government of India

Awards : Recipient of many national and international awards, including the OA SAMA Oration award, Pfizer Human Initiative 2004 Award & EMA – Dr. K. C. Mohanty oration, Bill and Melinda Gates Award 2016; Pariywaran Mitra Award (EMA), Distinguished Services Award (Influenza foundation of India), Honor Scroll (Geriatric Society of India).

Grants: Recipient of multiple international grants including from CDC USA), GIHSN (France), Global Influenza Initiative, ICMR, etc

Others :

Chief Editor, Lung India

Member, Governing Body, Indian Chest Society

Member, National Technical Advisory Group on Immunization (NTAGI), Govt. of India

Member, Indian Academy of Geriatrics; International Federation on Ageing

Member, Geriatric Society of India, Asia Pacific Alliance for Influenza, Vaccine Institute, Ankara.

Another issue of the 'Bulletin' of the ME'NA-IsN is to hand and it is indeed a moment of pleasure to pen these introductory lines. The issue highlights the continued strides in the outreach of ME'NA-IsN and now we have partnered with many like-minded organizations that have joined hands with us in our effort to build a realistic and achievable influenza program and pandemic influenza preparedness and response plans within the ME'NA-IsN region.

As a part of this goal, ME'NA-IsN is organizing the Influenza Day, 2022 in Istanbul on October 7-8, 2022. We expect to have academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Influenza and influenza vaccines. The Influenza Day 2022 will also provide a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of influenza and influenza vaccines. Against the backdrop of approximately one billion infections and up to 650,000 deaths annually and with the looming threat of degeneration into a fresh pandemic anytime with devastating morbidity and mortality, the sharing of knowledge about influenza and its prevention cannot but be strongly emphasised. A high quality scientific program, that includes reputed faculty participants, has been prepared and will encompass various facets of influenza ranging from what is known and getting updated to what we learnt from the COVID 19 pandemic and the way forward in the field. Also, high quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of vaccines and Influenza have been invited for presentation at the conference. The conference solicits contributions of abstracts, papers and e-posters that address themes and topics of the conference, including figures, tables and references of novel research materials.

With its expanded outreach, ME'NA-IsN is pleased to have the partnership of strong voices in the field of influenza and vaccination that include IFA (International Federation on Ageing, Ready2 Respond, APACI (Asia Pacific Alliance for Control of Influenza), PIVI (The Partnership for Influenza Vaccine Introduction), and the Hacettepe Vaccine Institute for participation in the Influenza Day 2022. These provide an exceptional value for students, academics and industry researchers.

With the threat of COVID 19 having ebbed away in most countries of the participating region, the physical meeting has been much anticipated and will not only allow a personal exchange of ideas and science but also accord opportunities to network and foster those interactions for forward movement on our understanding of Influenza.

MENA-IsN, welcomes you all to Istanbul.

**Parvaiz A Koul**

*ME'NA-IsN Vice-Chair*



## International updates on Influenza



### WHO position paper for vaccines against influenza: – May 2022

This position paper is concerned with vaccines and vaccination against seasonal (epidemic)

influenza. In recent years, there have been important developments in the field of influenza vaccines, e.g. new data have emerged on the epidemiology of influenza in developing and tropical countries, quadrivalent influenza vaccines (QIVs) have been introduced and new vaccine technologies have been developed, including the use of cell culture, recombinant protein vaccines and adjuvanted and high-dose vaccines for use in older adults. In addition, reviews have been published of the consequences of influenza virus infection in certain population groups and of the impact of repeat influenza vaccinations on vaccine effectiveness (VE). This document replaces the 2012 WHO position paper on influenza vaccines.

[Read more](#)



### Revised Interim Guideline of Global Influenza Surveillance and Response System (GISRS)

End-to-end integration of SARS-CoV-2 and influenza sentinel surveillance – January 2022

The threat of influenza epidemics and pandemics persists. It is imperative to maintain meaningful surveillance of influenza worldwide and for countries to remain vigilant while adapting to meet COVID-19 surveillance objectives.

In this guidance you will find the experiences and lessons learned as countries adapted their influenza surveillance systems in the context of the COVID-19 pandemic and reviews new evidence to provide guidance on end-to-end surveillance. The guidance includes new algorithms and strategies to adapt sentinel systems to make them resilient and agile for addressing global and national surveillance needs for influenza and COVID-19. It highlights the need to link sentinel surveillance systems to inform policy and adjust the national public health response to the COVID-19 pandemic.

[Read more](#)



### Mild respiratory COVID can cause multi-lineage

**neural cell and myelin dysregulation similar to INFLUENZA! More caution is still required among high-risk groups.**

COVID survivors frequently experience lingering neurological symptoms that resemble cancer therapy-related cognitive impairment, a syndrome for which white-matter microglial reactivity and consequent neural dysregulation is central. This study showed persistently impaired hippocampal neurogenesis, decreased oligodendrocytes and myelin loss were evident together with elevated CSF cytokines/chemokines including CCL11 following mild respiratory COVID in mice. Concordantly, humans with lasting cognitive symptoms post-COVID exhibit elevated CCL11 levels. Compared to SARS-CoV-2, mild respiratory influenza in mice caused similar patterns of white matter-selective microglial reactivity, oligodendrocyte loss, impaired neurogenesis and elevated CCL11 at early timepoints, but after influenza only elevated CCL11 and hippocampal pathology persisted. These findings illustrate similar neuropathophysiology after cancer therapy and respiratory SARS-CoV-2 infection which may contribute to cognitive impairment following even mild COVID.

Fernández-Castañeda, Anthony, et al. "Mild respiratory SARS-CoV-2 infection can cause multi-lineage cellular dysregulation and myelin loss in the brain." *BioRxiv* (2022).

[Read more](#)



### Archival Influenza virus genomes from Europe reveal genomic variability during the 1918 pandemic

The 1918 influenza pandemic was the deadliest respiratory pandemic of the 20th century and determined the genomic make-up of subsequent human influenza A viruses (IAV). This study analyzes both the first 1918 IAV genomes from Europe and the first from samples prior to the autumn peak. 1918 IAV genomic diversity is consistent with a combination of local transmission and long-distance dispersal events. Comparison of genomes before and during the pandemic peak shows variation at two sites in the nucleoprotein gene associated with resistance to host antiviral response, pointing at a possible adaptation of 1918 IAV to humans. Local molecular clock modeling suggests a pure pandemic descent of seasonal H1N1 IAV as an alternative to the hypothesis of origination through an intrasubtype reassortment.

Patrón, L.V., Vrancken, B., Budt, M. et al. Archival influenza virus genomes from Europe reveal genomic variability during the 1918 pandemic. *Nat Commun* 13, 2314 (2022).

[Read more](#)

## Activities of ME'NA-ISCN

### JANUARY

#### INFLUENZA: NEWER CHALLENGES

The ME'NA-ISCN Scientific Event "Influenza: Newer Challenges" was held virtually on January 3rd, 2022 at 4:30 PM Istanbul time. The meeting were moderated by Dr.Parvaiz Koul (Vice-Chair of the ME'NA-ISCN) and Dr.Raja Dhar from Indian Chest Society (ICS).

After welcome and the introduction of the panelists, Prof.Dr.Randeep Guleria from New Delhi made a presentation titled "Epidemiology of Influenza in India; What is the differences?". After giving information about general aspects of Influenza epidemiology,

he talked about the differences in the epidemiology of global influenza, especially in India. Then Dr.Raja Dhar from Indian Chest Society (ICS) mentioned about the challenges of the flu vaccine in pulmonology. Dr.Salah Al Awaidey, the Chair of ME'NA-ISCN, talked about diabetes and influenza, their relationships in terms of complications and mortality rates. After presentations, discussion was held with questions from the participants.

Watch online recorded video: <https://mena-isn.org/influenza-newer-challenges-webinar/>

**Middle East, Eurasia & Africa Influenza Stake Holders Network (ME'NA-ISCN) & Indian Chest Society (ICS)**

Invite you to join  
**LIVE Webinar on**

**'INFLUENZA: NEWER CHALLENGES'**

**3rd Jan 2022**  
7-8:30 PM IST, 1:30 PM GMT  
4:30 PM Turkish Time  
5:30 PM Oman Time, Dubai Time

**SPREAD/MODERATOR**  
Dr Raja Dhar  
Director, Training & Education Initiatives, ICS

**SPEAKER/PANELIST**  
Dr Salah Al Awaidey  
Chair, ME'NA-ISCN

**SPEAKER**  
Prof. Randeep Guleria  
Director, AIIMS, New Delhi

**PANELISTS**  
Dr Rajesh Swarnakar  
National Secretary, ICS  
Dr D J Christopher  
Immediate Past president, ICS  
Dr Parvaiz Koul  
Editor - Lung India, ICS  
Vice-Chair ME'NA-ISCN  
Dr Mine Durusu Tanriover  
Secretary, ME'NA-ISCN  
Dr Fatima Alsail  
Member OC, ME'NA-ISCN

**Epidemiology of influenza in India: What is different?**

Dr (Prof) Randeep Guleria  
M.D, D.M. (Pulmonary & Critical Care Medicine)  
Director  
All India Institute of Medical Sciences  
New Delhi

Is influenza a potentially severe disease?  
317 (14.3%)  
204 (84.7%)  
Yes No

Do you know of a vaccine against influenza?  
591 (41.7%)  
830 (58.3%)  
Yes No

**DIABETES: A major Global Emergency**  
WHO projects that diabetes will be the 7th leading cause of death in 2030

with diabetes worldwide and per region in 2019 and estimated for 2045 (20-79 years)

6% world's population has diabetes

Diabetes is increasing at an alarming rate

### FEBRUARY

#### PREGNANCY AND INFLUENZA

The topic of the ME'NA-ISCN's scientific event in the February was "Pregnancy and influenza". The meeting was held virtually on February 21st, 2022 between 19:00-20:00 Ankara-Moscow time. A Russian-English translation was available for the participants. The meeting that was moderated by Marta Nunes from South Africa and Elena Burtseva from Russia. The meeting started with

the Svetlana Trushkova's talk about "The burden of influenza in pregnant women", then kept going with Lidia Kesteneva's presentation titled "Pregnancy as a risk factor severe flu outcomes". The programme finished with Marta Nunes presentation about influenza vaccination in pregnant women. The meeting finalized with Q/A and discussions.

Watch online recorded video: <https://mena-isn.org/blog/pregnancy-and-influenza/>

**Pregnancy and influenza**

February 21st, 2022  
19:00-20:00 Ankara-Moscow  
18:00-19:00 Johannesburg

Moderators: Elena Burtseva, Marta Nunes  
Programme:  
15 The burden of influenza in pregnant women  
Svetlana Trushkova  
15 Pregnancy as a risk factor for severe flu outcomes  
Lidia Kesteneva  
15 Impacts and benefits of influenza vaccine in pregnant women  
Marta Nunes  
15 QA

Click to register!

Type of Influenza in Pregnants GHSN 2012-2019

%	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
A/H1N1pdm09	81.2	8.0	7.8	88.5	0	31.8	31.0	81.2
A/INDIA	16.8	87.0	81.2	8.0	16.8	38.0	68.0	16.8
B/INDIA	7.8	21.0	89.0	0	0	30.0	0	0
B/Victoria	16.8	1.0	0.0	23.0	41.0	1.0	0.0	81.2
Unknown type	A/H1N1pdm09	A/H1N1pdm09	A/H1N1pdm09	A/H1N1pdm09	A/H1N1pdm09	A/H1N1pdm09	A/H1N1pdm09	A/H1N1pdm09

Ref	Year	Country	Age	Gender	Weight	Height	Age	Weight	Height	Other results
1	2012	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate
2	2013	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate
3	2014	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate
4	2015	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate
5	2016	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate
6	2017	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate
7	2018	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate
8	2019	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate
9	2020	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate
10	2021	INDIA	1	F	30	120	45	50	150	Unilateral cleft lip, palate

EFFICACY OF MATERNAL INFLUENZA VACCINATION IN PREVENTING RESPIRATORY ILLNESS IN THE WOMEN UNTIL 6 MONTHS POST PARTUM

Study	Period, country	Control group	Population	Outcomes	Vaccine efficacy
Zaman K, et al. (1)	2009-2010 Bangladesh	23-valent pneumococcal vaccine	172	Infant respiratory illness	34% (95%CI: 4%, 57%)
Martin SA, et al. (2)	2011-2012 South Africa	Saline placebo	1004	Influenza-like illness	4% (95%CI: -13%, 21%)
Starr ME, et al. (3)	2011-2012 Nepal	Meningococcal vaccine	2338	Influenza-like illness	2% (95%CI: -13%, 14%)
Donohue MC, et al. (4)	2011-2012 Nepal	Saline placebo	1847	Infant respiratory illness	19% (95%CI: 11%, 24%)



## Activities of ME'NA-ISON

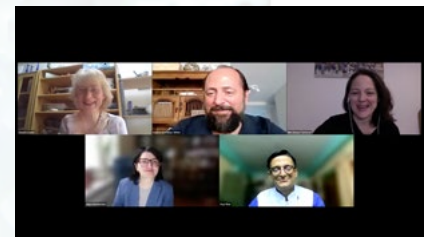
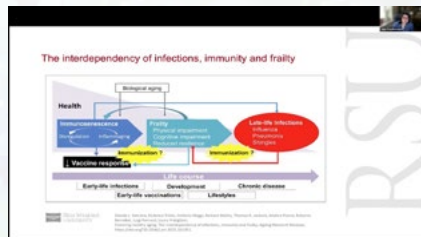
### MAY

#### INFLUENZA AND MULTIMORBIDITY

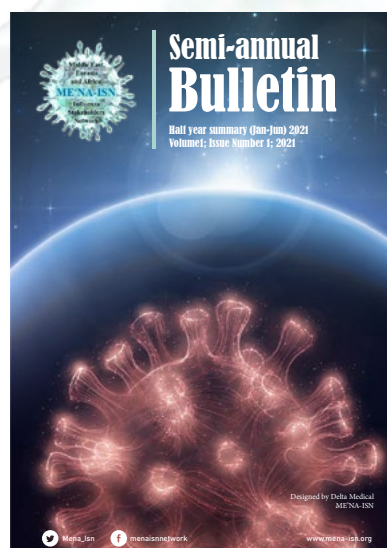
The ME'NA-ISON's third scientific event in 2022 was held virtually on May 17th, 2022 at 19:30 Turkey time. The meeting was organized in collaboration with ME'NA-ISON and European Federation of Internal Medicine (EFIM) Multimorbidity Working group. Chair of the Multimorbidity Working group Prof. Máximo Bernabeu-Wittel from Spain moderated the meeting with the secretary of ME'NA-ISON Mine Durusu Tanriover. The meeting started with the Annette Kurrle's speech from Germany about the burden of influenza in patients with chronic disease. The representative of the Latvian

Society of Internal Medicine in the EFIM Multimorbidity Working group, Julija Voicehovska made a presentation on "Multimorbidity as a risk factor for poor outcomes with the flu infection". Raja Dhar from India gave the last speech titled "Benefits of Influenza vaccine in patients with multimorbidity and opportunities for vaccination". The meeting was closed with thanks to the participants and panelists after Q/A and discussion part.

Watch online recorded video: <https://mena-ison.org/blog/efim-mena-ison-conjoint-webinar-influenza-and-multimorbidity/>



### READ OUR PREVIOUS BULLETINS



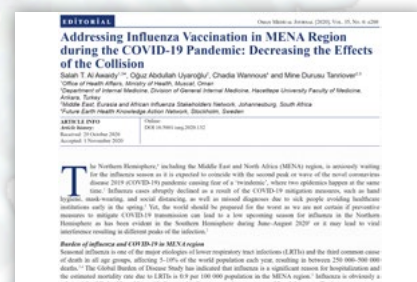
## NEW PUBLICATION

- 1 **A Case for Enhancing Coverage of Influenza Vaccination in Gulf Cooperation Council Countries in Patients with Diabetes Mellitus during COVID-19**  
<https://doi.org/10.1111/irv.12628>  
<https://mena-isn.org/new-article-of-mena-isn-working-group/>



## Publications of ME'NA-IsN

- 1 **Influenza surveillance in Middle East, North, East and South Africa: Report of the 8th MENA Influenza Stakeholders Network**  
<https://doi.org/10.1111/irv.12628>
- 2 **Influenza vaccination situation in Middle-East and North Africa countries: Report of the 7th MENA Influenza Stakeholders Network (MENA-IsN)**  
<https://doi.org/10.1016/j.jiph.2018.07.003>
- 3 **Addressing Influenza Vaccination in MENA Region during the COVID-19 Pandemic: Decreasing the Effects of the Collision**  
[doi: 10.5001/omj.2020.132](https://doi.org/10.5001/omj.2020.132)
- 4 **A Snapshot of Influenza Surveillance, Vaccine Recommendations, and Vaccine Access, Drivers, and Barriers in Selected Middle Eastern and North African Countries**  
[doi: 10.5001/omj.2018.54](https://doi.org/10.5001/omj.2018.54)





## News from Influenza

### Influenza is coming back!

- As the Covid-19 pandemic and resultant social restrictions have abated in much of the world, other viruses are rearing their heads in new and unusual ways.
- Influenza, Respiratory syncytial virus, adenovirus, tuberculosis and monkeypox are among a number of illnesses to have spiked and exhibited strange behaviors in recent months.
- The 2020 and 2021 U.S. winter flu seasons were some of the mildest on record both in terms of deaths and hospitalizations. Yet cases [ticked up in February](#) and climbed further into the spring and summer as Covid restrictions were stripped back.
- Health experts say Covid-19 restrictions could have reduced exposure and lowered immunity to infectious diseases, making society more vulnerable to new outbreaks.

Read more: <https://www.cnn.com/2022/06/10/flu-hepatitis-monkeypox-diseases-suppressed-during-covid-are-back.html>



**CNBC** WATCH LIVE

HEALTH AND SCIENCE

### Diseases suppressed during Covid are coming back in new and peculiar ways

PUBLISHED FRI, JUN 10 2022-1:16 AM EDT  
UPDATED FRI, JUN 10 2022-5:25 AM EDT

Karen Gilchrist  
@\_KARENGILCHRIST

WATCH LIVE

### Australia's monthly flu cases more than doubled previous record in May - 2022

#### Flu hits hard across the nation!

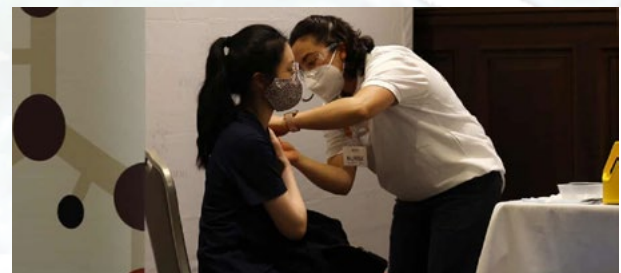
Experts have warned that the 2022 flu season will redefine what it means for Australia to be 'flu ready' as the National Notifiable Disease Surveillance System reported more than 65,775 confirmed cases of influenza in May.

This compares with 30,372 cases in May 2019, which was until now the highest number of confirmed cases recorded in May.

The number of notified cases of laboratory-confirmed

influenza was almost 279 times higher than the number notified by the same time in 2021 but only 17 per cent higher than the number in 2019 prior to the COVID-19 pandemic.

Read more: <https://www.theguardian.com/australia-news/2022/jun/12/australias-monthly-flu-cases-more-than-doubled-previous-record-in-may>



### Bill Gates Warns Next Pandemic Could Be 'Society-Ending'

Bill Gates believes the world got "lucky" with the COVID-19 pandemic and thinks the

next one could be "society-ending" with a fatality rate that is much higher than the coronavirus death toll.

The Microsoft co-founder turned billionaire philanthropist made the comments at the Time 100 Summit in New York City as he appealed for the need to prepare for the next pandemic to hit the world.

To prepare for such a pandemic, Gates suggests creating a Global Epidemic Response and Mobilization team of 3,000 infectious disease experts who would work throughout the world to deal with epidemic responses and assist local scientists with reporting outbreaks.

Watch here: <https://www.youtube.com/watch?v=6E0-qZ-6vL48>



## Current projects of ME'NA-IsN

### Adult Vaccination Health Care Professional Education ECHO Program (AV-HCP ECHO)

Vaccine-preventable diseases including influenza, pneumonia and others pose serious risks to health and well-being, functional ability, autonomy, and survival of older adults, individuals living with chronic conditions (diabetes, cardiovascular disease, and chronic lung disease), as well as the health care professionals (HCPs) who care for them on the frontline.



**LAUNCHING NOW:**

**Adult Vaccination Health Care Professional ECHO Program**

Health care professionals are at the heart of adult vaccination decisions.

Explore and address barriers and solutions to adult vaccination facing health care professionals around the world.

Register now to take part in this innovative educational program built upon the world-renowned Project ECHO™ Model.

In the face of emerging and ongoing vaccine hesitancy, HCPs remain the most trusted advisors and influencers of vaccination decisions. However, the capacity and confidence of HCPs in conveying new knowledge is at times stretched as they are faced with time constraints, increased workload, and limited resources. There is often inadequate information and training on the latest trends in adult immunization, including perceived barriers to address the concerns of older adults.

In response, the International Federation on Ageing (IFA) is thrilled to launch the Adult

Vaccination Health Care Professional Education ECHO Program (AV-HCP ECHO), a scalable learning curriculum based on the world-renowned Project ECHO™ model, geared toward pharmacists, nurses, community support workers, long-term care staff and physicians. Through a comprehensive curriculum, the development of a learning community will act as a platform for sharing evidence, tools, and good practices needed to empower HCPs to become champions of adult immunization in their communities.

ME'NA-IsN is one of the collaborators of the project and the chair Salah Al-Awaidy is a member of Advisory Committee.

For more information: <https://www.vaccines4life.com/av-hcp-echo-program/>

### VACCIMENA-Health Care Providers project

The Middle East, Eurasia and Africa Influenza Stakeholders Network (ME'NA-IsN) aims at supporting member countries in developing, maintaining, upgrading and implementing national pandemic influenza preparedness and response plans aligned with the vision of a resilient world in the face of pandemic influenza.

The ME'NA (expanded) region comprises both the poorest and richest countries in the world. Data on influenza vaccination coverage rates is very scarce. To better understand the influenza vaccination dynamics, ME'NA-IsN seeks to initiate an engagement plan targeted at healthcare professionals in the Region, with the ultimate intent of improving their engagement and support for flu vaccination. In this regard VACCIMENA-Health Care Providers project aims to:

- gain a better understanding of the barriers faced by health care workers in the Region with regards to flu vaccination, including their sentiments towards the flu vaccine and vaccination advocacy;
- identify and overcome psychological barriers to personal flu vaccination decisions among healthcare workers in the Region;
- identify healthcare workers' challenges in relation to vaccination advocacy; A behavioural insight analysis of health practitioners' flu vaccination decisions and engagement with vaccination advocacy will be carried out in different countries of the Region using a survey methodology.



## Current projects of ME'NA-IsN

### ME'NA-IsN offered bursaries to five participants for online attendance to the ECAVI Vaccinology Course for Healthcare Workers

The East Africa Centre for Vaccines and Immunization (ECAVI) is a NOT-FOR-PROFIT initiative of health professionals, working with Paediatric and Medical Associations, to promote Advocacy, Training, Research and Strengthening of immunization health systems in Eastern Africa. ECAVI is fully registered as a Non-Governmental Organization in both Kenya and Uganda, and promotes improved uptake and training on new and available vaccines; towards the control of morbidity and mortality associated with vaccine preventable diseases and cancers. Understanding the threat posed by vaccine hesitancy, how vaccines work, how they are developed, vaccine preventable diseases and their epidemiology, best practices and legal issues in vaccination are some of the topics that will be addressed in the course. The rising cases of health worker and community vaccine hesitancy, adverse events following immunizations, anti-vaccine sentiments, and resurgence of diseases like measles have all increased need for more advocacy and training on better standardized immunization practices and response.

ME'NA-IsN is happy to offer bursaries to five participants for online attendance to the ECAVI Vaccinology Course for Healthcare Workers with the mission of partnering with countries for strengthening their national pandemic influenza preparedness and response capacities through and in synergy with public private partnerships aligned with the national policies, strategies and plans as well as global and regional initiatives.

For more information: <https://mena-isn.org>



**8th Edition of ECAVI Vaccinology Course**  
20th-24th, June, 2022  
at Hilton Garden Inn, Kampala

Annually, in June, leading health workers interested in vaccines gather in Kampala Uganda to be trained and equipped into Vaccine experts and Champions. Over the last 8 years, more than 500 health professionals from more than 15 African countries have been trained. This is a home grown highly sought after intense 5-Day course

**Registration Fee**  
Registration Fee: USD 50 or Ksh; 5000 or Ush: 200,000 or Tsh: 100,000. This Fee is paid on the first day of the course, at registration. Few 50% Scholarships on registration fees may be available on a first come first serve basis, and can be motivated for during application.

**Applications NOW OPEN**

Download the Application form from:  
<http://www.e-cavi.com/vaccinology/>  
**Deadline for Application is 18th May 2022**  
For inquires, send an email to [ecavillea@gmail.com](mailto:ecavillea@gmail.com)

**How to Apply**  
A Completed Application form, an Abridged CV and Motivation letter showing why this course is important to you SHOULD be sent to: [ecavillea@gmail.com](mailto:ecavillea@gmail.com) with the following subject heading: Application for 8th ECAVI Vaccinology Course 2022.



## Learning tools



### TRAIN

TRAIN is a national learning network that provides thousands of quality training opportunities to more than 2 million professionals who protect and improve the public's health.

Powered by the Public Health Foundation (PHF), the TRAIN Learning Network brings together agencies and organizations in the public health, healthcare, and preparedness sectors to disseminate, track, and share trainings for the health workforce on a centralized training platform.

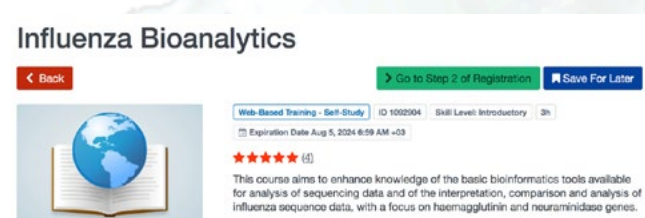
The TRAIN Learning Network is comprised of:

The TRAIN Learning Network is comprised of:

- TRAIN Affiliates that operate branded TRAIN web portals, have administrative access to the TRAIN platform, and work together to coordinate and share workforce training efforts.
- Government agencies, academic institutions, and other nationally-recognized and respected organizations that post content to the TRAIN Learning Network in order to disseminate and track their trainings to the health workforce.
- TRAIN learners from all US states and territories, as well as other 177 countries. Anyone can register as a learner on TRAIN at no cost and access thousands of openly available course offerings, the majority of which are free.

Here, we shared two useful courses about influenza that could be useful.

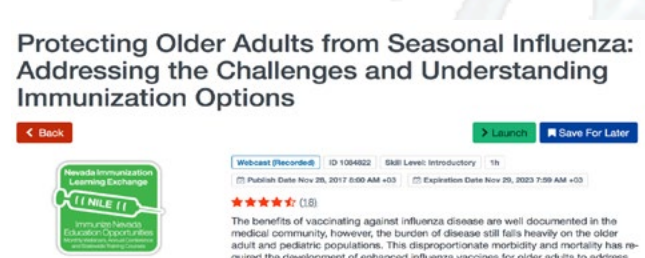
### 1. INFLEUNZA BIOANALYTICS



This course aims to enhance knowledge of the basic bioinformatics tools available for analysis of sequencing data and of the interpretation, comparison and analysis of influenza sequence data, with a focus on haemagglutinin and neuraminidase genes.

For more information: <https://www.train.org/main/course/1092904/>

### 2. Protecting Older Adults from Seasonal Influenza



The benefits of vaccinating against influenza disease are well documented in the medical community, however, the burden of disease still falls heavily on the older adult and pediatric populations. This disproportionate morbidity and mortality has required the development of enhanced influenza vaccines for older adults to address waning immune systems. This presentation will discuss the adjuvanted technology in seasonal influenza vaccines to provide enhanced protection against influenza in older adults.

presentation will discuss the adjuvanted technology in seasonal influenza vaccines to provide enhanced protection against influenza in older adults.

For more information: <https://www.train.org/main/course/1084822/>

## UPCOMING EVENT

### ME'NA-IsN Influenza day 2022 7-8 October 2022

It is a great pleasure and privilege to welcome you all to our ME'NA-IsN Influenza Day aiming to constantly improve scientific excellence in our ME'NA-IsN region.

ME'NA-IsN's vision is to have a world resilient to pandemic influenza and to build a realistic and achievable influenza program and pandemic influenza preparedness and response plans within the region. To this end, ME'NA-IsN's mission is to empower countries to protect their populations against influenza threats.

It also envisions a partnership with and within countries through global and regional initiatives to strengthen national pandemic influenza preparedness and response capacity. The synergy of public-private partnerships, aligned with national policies, strategies and plans, enables the achievement of this objective.

The first ME'NA-IsN Influenza Day was held on September 4th, 2021 as a virtual meeting with the theme of 'Influenza in the Spotlight'. Internationally renowned panelists shared their experience and knowledge through a very high-level discussion. As a follow-on to this success and in pursuit of our goal, the Organizing Committee has once again prepared an innovative scientific programme to address the latest updates on influenza.

The Influenza Day will include oral presentations as well as dialogues and response to inquiries from prominent regional and international experts.

The Influenza Day agenda has evolved to be more interactive, allowing everyone to actively participate in most sessions of the convention, that the participants will share a variety of perspectives and experiences on "How best to address influenza challenges at a country level".

During the Influenza Day, ME'NA-IsN will offer many opportunities to network around influenza. Last but not least, we would like to take this opportunity to urge you to become an active member of ME'NA-IsN. We look forward to meeting you all in person in October 2022 in Istanbul!

For more information: <https://www.influenzadays.org>



## READ OUR PREVIOUS BULLETINS





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**YOU ARE VERY WELCOME TO CONTRIBUTE  
TO THE ME'NA-ISN BULLETIN!**

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