- Courses in official WHO languages
- Courses on infection prevention and control
- Courses in national languages
- Courses on clinical management

# OpenWHO LEARNING RESPONSE IN COVID-19

OpenWHO is the World Health Organization's (WHO) online platform for health emergencies, transferring life-saving knowledge to frontline responders, health care workers and the public.

## USER FIGURES

**4.6 MILLION**
TOTAL LEARNER ENROLMENTS
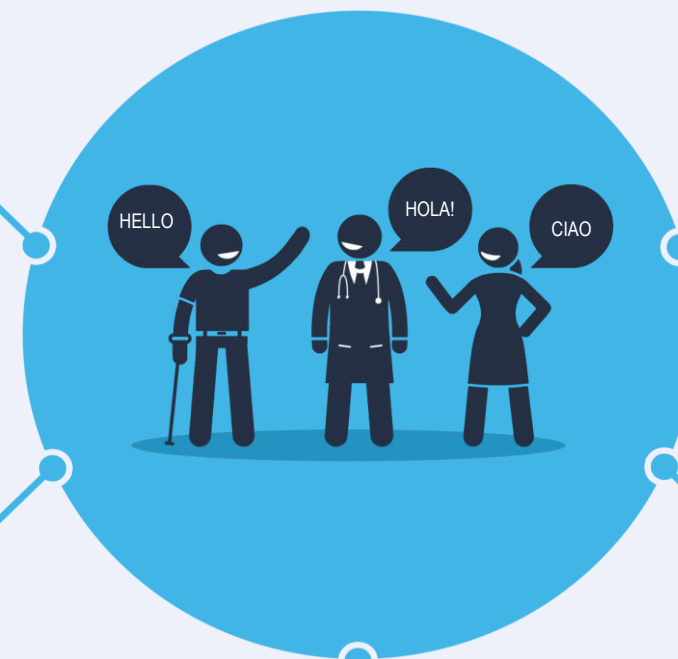
**42**
LANGUAGES

**141**
COVID-19 COURSES

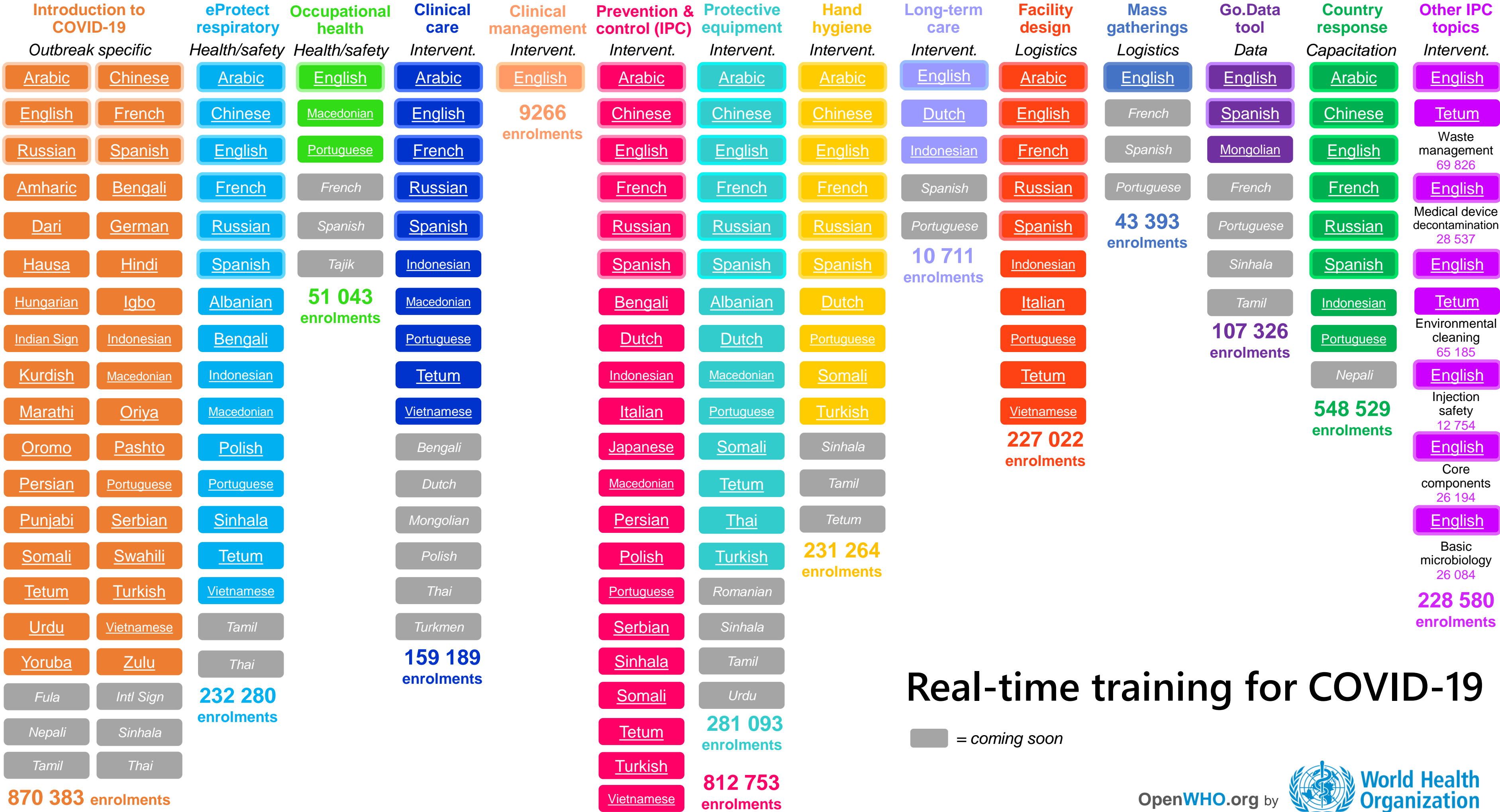**6.3 MILLION**
WORDS TRANSLATED

HELLO HOLA! CIAO

OpenWHO HOSTS MULTILINGUAL ONLINE COURSES ON 19 TOPICS IN 42 DIFFERENT LANGUAGES, MAKING UP A TOTAL OF 141 COURSES FOR #COVID19 ON THE OPENWHO PLATFORM.

**OpenWHO.org** by

World Health Organization

# Real-time training for COVID-19

**Introduction to COVID-19**
*Outbreak specific*

| | |
|---|---|
| Arabic | Chinese |
| English | French |
| Russian | Spanish |
| Amharic | Bengali |
| Dari | German |
| Hausa | Hindi |
| Hungarian | Igbo |
| Indian Sign | Indonesian |
| Kurdish | Macedonian |
| Marathi | Oriya |
| Oromo | Pashto |
| Persian | Portuguese |
| Punjabi | Serbian |
| Somali | Swahili |
| Tetum | Turkish |
| Urdu | Vietnamese |
| Yoruba | Zulu |
| *Fula* | *Intl Sign* |
| *Nepali* | *Sinhala* |
| *Tamil* | *Thai* |

**870 383** enrolments

**eProtect respiratory**
*Health/safety*

- Arabic
- Chinese
- English
- French
- Russian
- Spanish
- Albanian
- Bengali
- Indonesian
- Macedonian
- Polish
- Portuguese
- Sinhala
- Tetum
- Vietnamese
- *Tamil*
- *Thai*

**232 280** enrolments

**Occupational health**
*Health/safety*

- English
- Macedonian
- Portuguese
- *French*
- *Spanish*
- *Tajik*

**51 043** enrolments

**Clinical care**
*Intervent.*

- Arabic
- English
- French
- Russian
- Spanish
- Indonesian
- Macedonian
- Portuguese
- Tetum
- Vietnamese
- *Bengali*
- *Dutch*
- *Mongolian*
- *Polish*
- *Thai*
- *Turkmen*

**159 189** enrolments

**Clinical management**
*Intervent.*

- English

**9266** enrolments

**Prevention & control (IPC)**
*Intervent.*

- Arabic
- Chinese
- English
- French
- Russian
- Spanish
- Bengali
- Dutch
- Indonesian
- Italian
- Japanese
- Macedonian
- Persian
- Polish
- Portuguese
- Serbian
- Sinhala
- Somali
- Tetum
- Turkish
- Vietnamese

**812 753** enrolments

**Protective equipment**
*Intervent.*

- Arabic
- Chinese
- English
- French
- Russian
- Spanish
- Albanian
- Dutch
- Macedonian
- Portuguese
- Somali
- Tetum
- Thai
- Turkish
- *Romanian*
- *Sinhala*
- *Tamil*
- *Urdu*

**281 093** enrolments

**Hand hygiene**
*Intervent.*

- Arabic
- Chinese
- English
- French
- Russian
- Spanish
- Dutch
- Portuguese
- Somali
- Turkish
- *Sinhala*
- *Tamil*
- *Tetum*

**231 264** enrolments

**Long-term care**
*Intervent.*

- English
- Dutch
- Indonesian
- *Spanish*
- *Portuguese*

**10 711** enrolments

**Facility design**
*Logistics*

- Arabic
- English
- French
- Russian
- Spanish
- Indonesian
- Italian
- Portuguese
- Tetum
- Vietnamese

**227 022** enrolments

**Mass gatherings**
*Logistics*

- English
- *French*
- *Spanish*
- *Portuguese*

**43 393** enrolments

**Go.Data tool**
*Data*

- English
- Spanish
- Mongolian
- *French*
- *Portuguese*
- *Sinhala*
- *Tamil*

**107 326** enrolments

**Country response**
*Capacitation*

- Arabic
- Chinese
- English
- French
- Russian
- Spanish
- Indonesian
- Portuguese
- *Nepali*

**548 529** enrolments

**Other IPC topics**
*Intervent.*

- English
- Tetum

Waste management
69 826

- English

Medical device decontamination
28 537

- English

Environmental cleaning
65 185

- English
- Tetum

Injection safety
12 754

- English

Core components
26 194

- English

Basic microbiology
26 084

**228 580** enrolments

[grey box] = *coming soon*

OpenWHO.org by

World Health Organization

# Courses hosted on PAHO Virtual Campus for Public Health

= coming soon

| Intro to COVID-19 and emerging respiratory viruses | ePROTECT respiratory infections | Infection prevention and control (IPC) for COVID-19 | Clinical care Severe Acute Respiratory Infection (SARI) | COVID-19 country preparedness and response planning | SARI treatment facility design |
|---|---|---|---|---|---|
| *Outbreak specific* | *Health and safety* | *Interventions* | *Interventions* | *Country capacitation* | *Logistics* |
| **201 286 enrolments** | | **117 496 enrolments** | **31 701 enrolments** | | |
| Spanish | Spanish | Spanish | Spanish | Spanish | *Spanish* |
| **13 060 enrolments** | | **4772 enrolments** | **1908 enrolments** | | |
| Portuguese | *Portuguese* | Portuguese | Portuguese | *Portuguese* | Portuguese |
| **214 346** enrolments | **78 121** enrolments | **122 268** enrolments | **33 609** enrolments | **13 435** enrolments | **938 enrolments** |

OpenWHO.org

VIRTUAL CAMPUS FOR PUBLIC HEALTH

**4 275 549 total COVID-19 course enrolments across both platforms**

**3 812 832 enrolments**

**462 717 enrolments**

# Timeline of COVID-19 learning resources - launch and use on OpenWHO.org
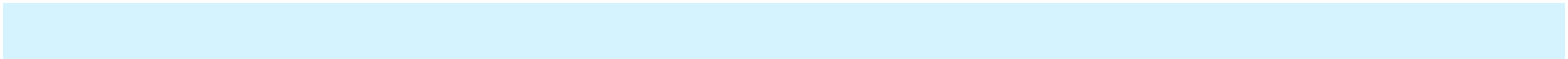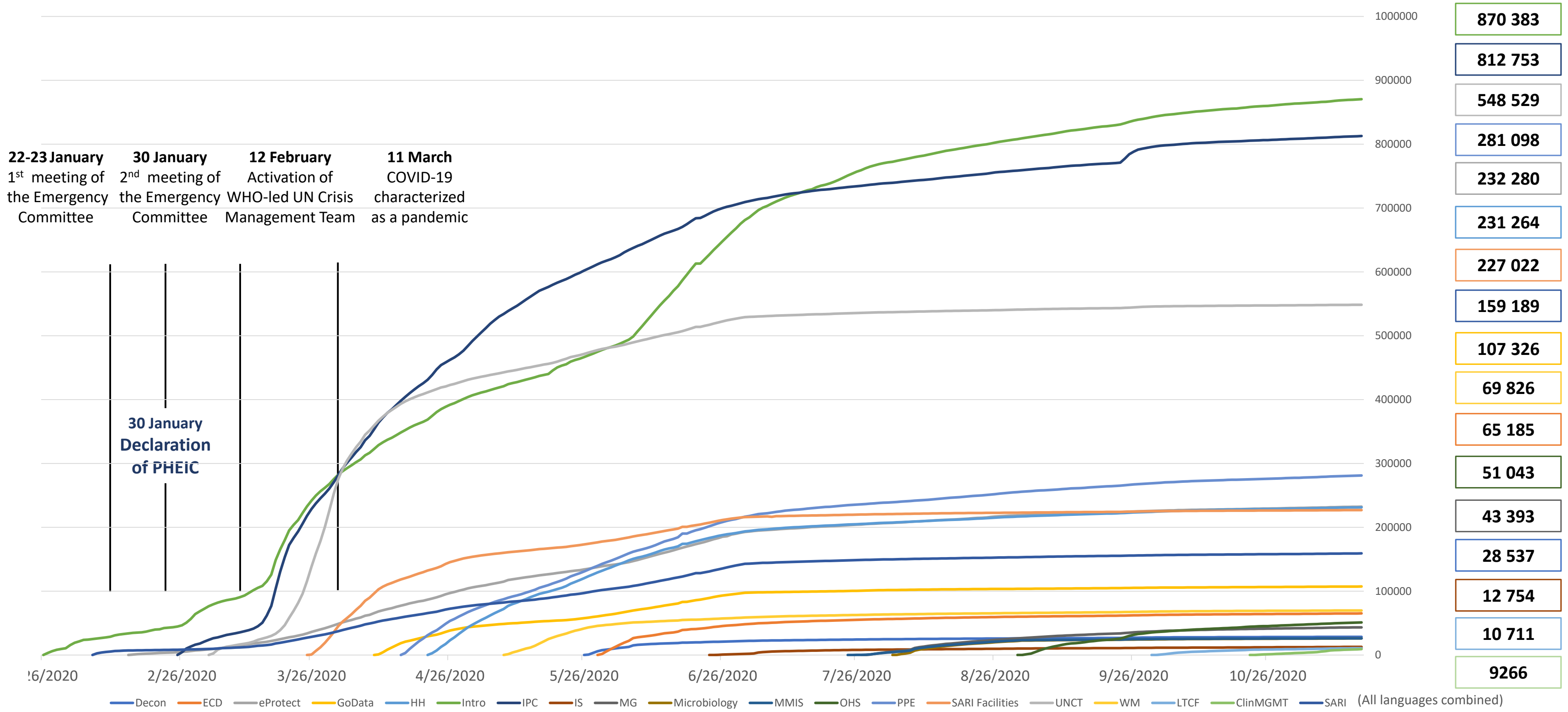


**22-23 January**
1st meeting of the Emergency Committee

**30 January**
2nd meeting of the Emergency Committee

**12 February**
Activation of WHO-led UN Crisis Management Team

**11 March**
COVID-19 characterized as a pandemic

**30 January Declaration of PHEIC**

870 383
812 753
548 529
281 098
232 280
231 264
227 022
159 189
107 326
69 826
65 185
51 043
43 393
28 537
12 754
10 711
9266

Decon — ECD — eProtect — GoData — HH — Intro — IPC — IS — MG — Microbiology — MMIS — OHS — PPE — SARI Facilities — UNCT — WM — LTCF — ClinMGMT — SARI    (All languages combined)

INTRODUCTION TO COVID-19

FIELD DATA TOOL

INFECTION PREVENTION AND CONTROL

PERSONAL PROTECTIVE EQUIPMENT

TREATMENT FACILITY DESIGN

Epi & lab modules — COUNTRY CAPACITATION

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CLINICAL MANAGEMENT SERIES

LONG-TERM CARE FACILITIES

NON-COMMUNICABLE DISEASES

NEGLECTED TROPICAL DISEASES

---

RISK ASSESSMENTS FOR MASS GATHERINGS

---

COUNTRY CAPACITATION

INTRA-ACTION REVIEW

---

Logistics module — COUNTRY CAPACITATION

---

Risk communication module — INTRODUCTION TO COVID-19

Community engagement module — COUNTRY CAPACITATION

EMPOWERING COMMUNITIES

RISK COMMUNICATION FOR COVID-19

---

OCCUPATIONAL HEALTH AND SAFETY

ePROTECT

READY 4 RESPONSE

---

COVID-19 VACCINE

*Courses in grey are under development*

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Country preparedness module — COUNTRY CAPACITATION

INTRA-ACTION REVIEW

MULTISECTORAL PREPAREDNESS

---

FIND, TEST, ISOLATE AND CARE FOR CASES AND QUARANTINE CONTACTS TO CONTROL TRANSMISSION

PROVIDE CLINICAL CARE AND MAINTAIN ESSENTIAL HEALTH SERVICES TO REDUCE MORTALITY

ADAPT STRATEGIES BASED ON RISK, CAPACITY AND VULNERABILITY

COORDINATION AND MONITORING OF COUNTRY PREPAREDNESS AND RESPONSE

COORDINATED GLOBAL SUPPLY CHAIN MANAGEMENT

RISK COMMUNICATION AND COMMUNITY ENGAGEMENT

TECHNICAL EXPERTISE AND HEALTH EMERGENCY WORKFORCE

ACCELERATING RESEARCH, INNOVATION AND KNOWLEDGE SHARING

STRENGTHENING PANDEMIC PREPAREDNESS FOR THE FUTURE

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# COVID-19 STRATEGIC PREPAREDNESS AND RESPONSE PLAN — SPRP 2 PILLARS AND ONLINE TRAINING

# REAL-TIME SOLUTIONS FOR MASSIVE LEARNING REACH DURING THE PANDEMIC

## UPSCALE OpenWHO.org PLATFORM CAPACITY

From **180 000** to **4.6 million** learner registrations in 10 months

Data and analysis for more than **200 courses**

**50 expert teams** producing courses simultaneously

Systems for fully dispersed and **remote production**

## SERVE THE VULNERABLE

**Free access for all** and **low-bandwidth** adjusted platform to ensure global reach

Expedited publishing in languages used by the most **vulnerable populations**

Machine translation process initiated for **15 languages** of vulnerable populations

## EMPHASIZE MULTILINGUALISM

Multilingual production capacity in all UN languages and Portuguese, and courses in **40+ languages**

**Crowdsourcing for translations** through WHO country offices and regions, volunteers and institutes

**PAHO Virtual Campus** collaboration for Spanish and Portuguese production and course hosting on both platforms
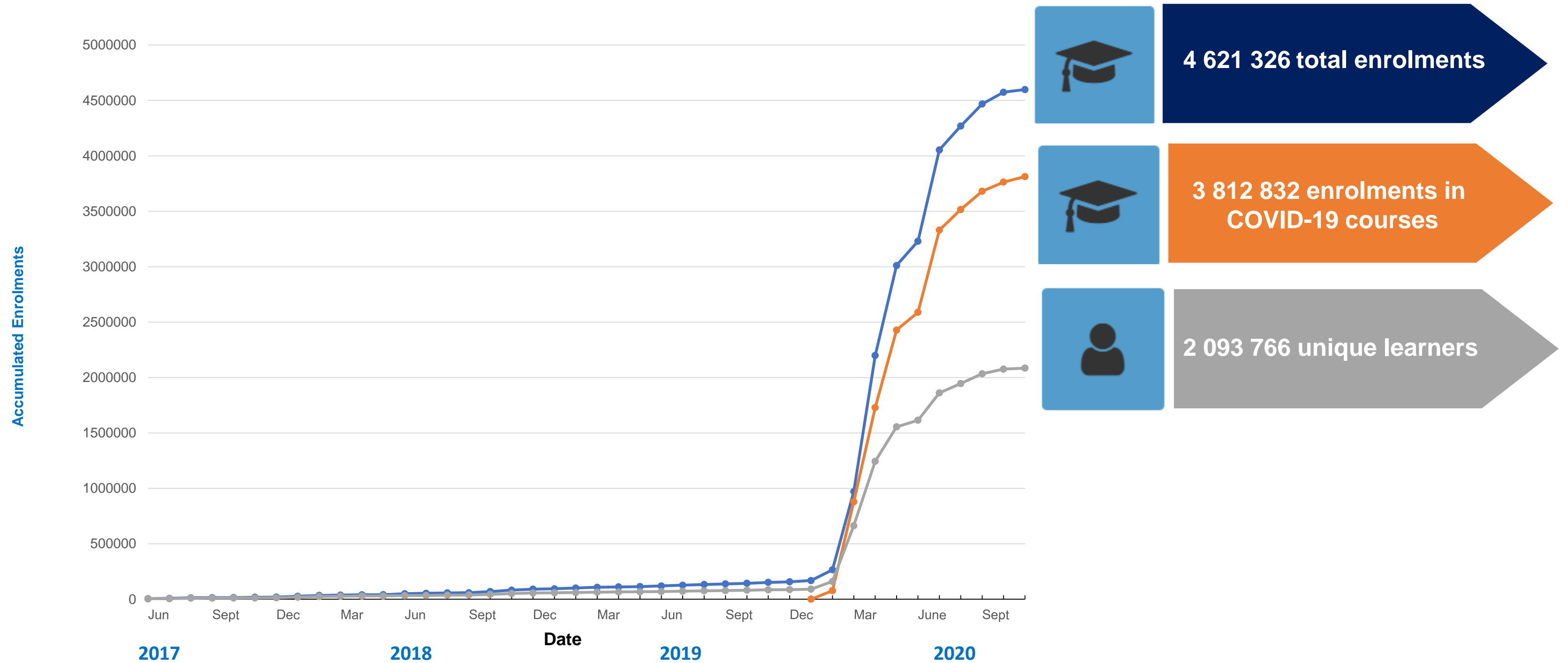
OpenWHO.org by
World Health Organization

USING CROWD POWER TO TRANSLATE KNOWLEDGE FOR COVID-19

*Locations of WHO offices and volunteers helping with OpenWHO translation*

Germany
Netherlands
Belgium
United Kingdom
Ireland
Geneva, Switzerland
France
Portugal
Spain
Morocco
Tunisia
Algeria

Canada
Copenhagen, Denmark (EURO)
Poland
Belarus
Hungary
Moldova
Romania
Serbia
Bulgaria
N.Macedonia
Italy
Greece
Turkey
Syria
Iraq
Iran
Afghanistan
Pakistan

Russia
Mongolia
Kyrgyzstan
Turkmenistan
China
Democratic People's Republic of Korea

Washington D.C., United States of America (PAHO/AMRO)

Mexico
El Salvador
Colombia
Suriname
Peru
Brazil
Chile
Argentina

Cairo, Egypt (EMRO)
New Delhi, India (SEARO)
Nepal
Bangladesh
Manila, Philippines (WPRO)
Thailand
Vietnam
Sri Lanka
Malaysia
Singapore
Indonesia
Timor Leste

Nigeria
Cameroon
Brazzaville, Congo (AFRO)
Democratic Republic of the Congo
Ethiopia
Somalia
Kenya
Tanzania
Mozambique
South Africa

Australia

- ● WHO HEADQUARTERS
- ● WHO REGIONAL OFFICES
- ● WHO COUNTRY OFFICES
- ● VOLUNTEER TRANSLATORS

OpenWHO.org by
World Health Organization

# OpenWHO enrolments since its creation in June 2017



4 621 326 total enrolments

3 812 832 enrolments in COVID-19 courses

2 093 766 unique learners

Accumulated Enrolments

Date

2017    2018    2019    2020

OpenWHO.org by World Health Organization

## ·)) Recent scientific publications

- Global Access to OpenWHO's Online Learning Resources for COVID-19 *(18th International Conference on Informatics, Management and Technology in Healthcare)*
  - Received 'Best Communication Paper Award'

- An Analysis of the Growth in Uptake of OpenWHO's Online Learning Resources for COVID-19 *(18th International Conference on Informatics, Management and Technology in Healthcare)*

- Serving Health Emergency Responders Through Online Learning – Findings from OpenWHO's Global User Metrics *(30th Medical Informatics Europe)*



International Conference on Informatics, Management and Technology in Healthcare

ICIMTH

**CERTIFICATE**

**Best Communication Paper Award**

The paper titled

"Global Access to OpenWHO's Online Learning Resources for COVID-19"

Authored by

Heini UTUNEN, Melissa ATTIAS, Richelle GEORGE, Ngouille NDIAYE, Corentin PIROUX, Michael Reza FARZI, Amy SY and Gaya GAMHEWAGE

is awarded with the "Best Communication Paper Award" at the 18th International e-Conference on

**"Informatics, Management and Technology in Healthcare"**

held in Athens, Greece from 3rd to 5th July 2020.

The Chair of the Conference

Professor John Mantas, PhD, FACMI, FEFMI, FIAHSI

# Peer-reviewed article published in *Journal of Medical Internet Research*

"Global Reach of an Online COVID-19 Course in Multiple Languages on OpenWHO in the First Quarter of 2020: Analysis of Platform Use Data"
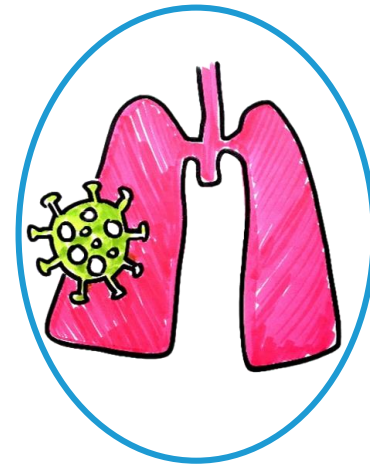
Utunen H, Ndiaye N, Piroux C, George R, Attias M, Gamhewage G

J Med Internet Res 2020;22(4):e19076

https://www.jmir.org/2020/4/e19076

World Health Organization

# Real-time training for COVID-19

Free online courses from WHO

Intro to COVID-19

Health & safety

Clinical care
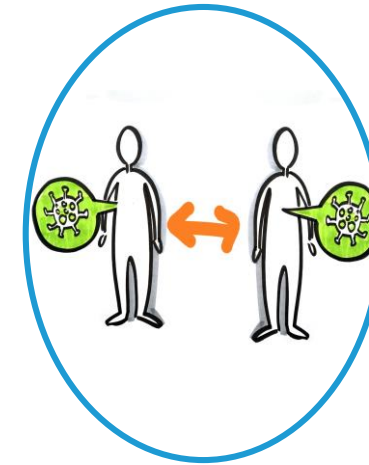
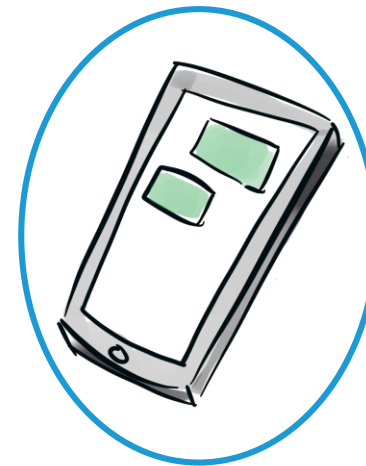Prevention & control (IPC)

Protective equipment

Hand hygiene

Country capacitation

Treatment facilities

Field data tool

Mass gatherings

Long-term care

OpenWHO.org