



ICAO Collaborative Arrangement for the Prevention and Management of Public Health Events in Civil Aviation (CAPSCA)

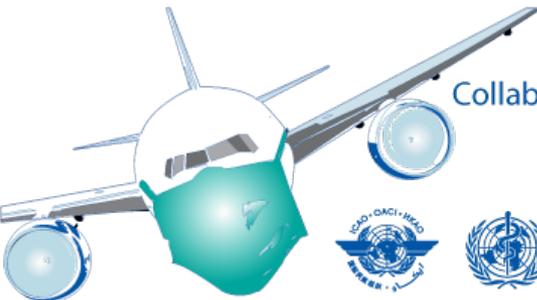
Arthemon Ndikumana

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ICAO ESAF Regional Office

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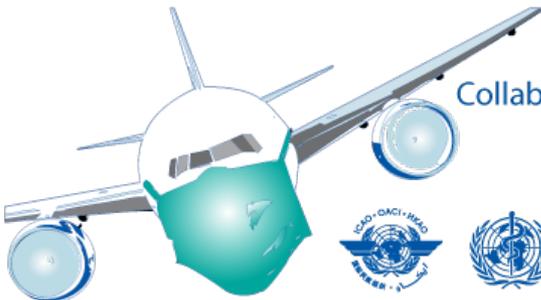
Plan

- ✈ Introduction to CAPSCA
- ✈ CAPSCA Activities
- ✈ CAPSCA Africa
- ✈ EVD
- ✈ Conclusions

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What is CAPSCA?

✈ Original name

Cooperative Arrangement for the Prevention of Spread of Communicable Disease through Air Travel

✈ New name (2013)

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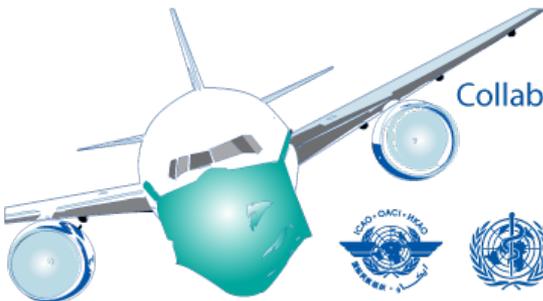
AVIATION AND PUBLIC HEALTH



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Public Health - Why worry?

- ✈ Diseases are rapidly spread by air transport and affect populations in other States
- ✈ Travellers (passengers and crew) can become infected by other travellers
- ✈ Absence of safety critical personnel e.g. during an outbreak, increases *flight safety risk*
- ✈ Public health events:
 - ✈ Affect aviation and economies relying on it
 - ✈ Affect aviation efficiency
 - ✈ May affect the ability for biological samples to be transported, or for medical personnel to enter/exit/overfly affected area



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Public Health Events

Affecting aviation since 2003

✈ **2003:** Severe Acute Respiratory Syndrome (SARS)

✈ **2009:** Pandemic Influenza A (H1N1) “Swine flu”

✈ **2011:** Fukushima nuclear accident

✈ **2014:** Ebola Virus Disease

✈ **Ongoing diseases that could affect aviation:**

✈ **2005:** Influenza A (H5N1) “Avian flu”

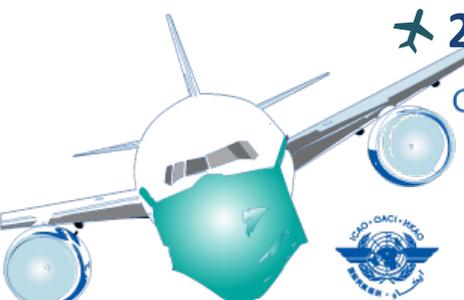
✈ **2012:** Middle East Respiratory Syndrome

✈ **2013:** Influenza A (H7N9)

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Convention on International Civil Aviation (1944) - signed by 191 States

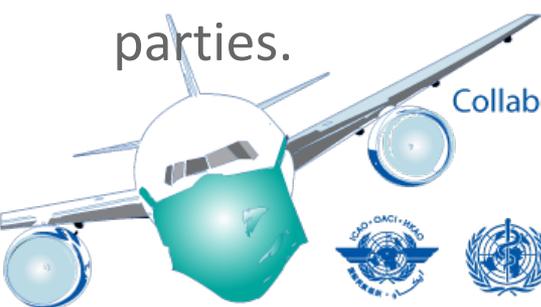
Article 14 - Prevention of spread of disease

Each contracting State agrees to take effective measures to **prevent the spread by means of air navigation** of cholera, typhus (epidemic), smallpox, yellow fever, plague, and **such other communicable diseases** as the contracting States shall from time to time decide to designate, and to that end contracting States will keep in **close consultation with the agencies concerned** with international regulations relating to sanitary measures applicable to aircraft. Such consultation shall be without prejudice to the application of any existing international convention on this subject to which the contracting States may be parties.

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ICAO Assembly Resolutions A35-12 and A37-13

Prevention of spread of communicable disease through air travel

- ✈ *Declare that the protection of the health of passengers and crews on international flights is **an integral element of safe air travel***
- ✈ *Urge all Contracting States, **to ensure the implementation of existing SARPs** related to the health of passengers and crews*
- ✈ *Encourage collaboration between the public health sector and the aviation sector in the establishment of a national preparedness plan for aviation*
- ✈ *Urge Contracting States to develop **a national preparedness plan for aviation** that is in compliance with the WHO IHR (2005) and which are based on scientific principles and on the guidelines from ICAO and the WHO*
- ✈ *Urge Contracting States to establish requirements **for the involvement of stakeholders** such as **airport operators, aircraft operators and air navigation service providers** in the development of a national preparedness plan for aviation*
- ✈ *Urge Contracting States to join and participate in the CAPSCA programme*

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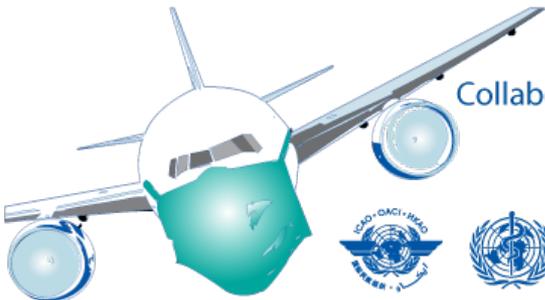
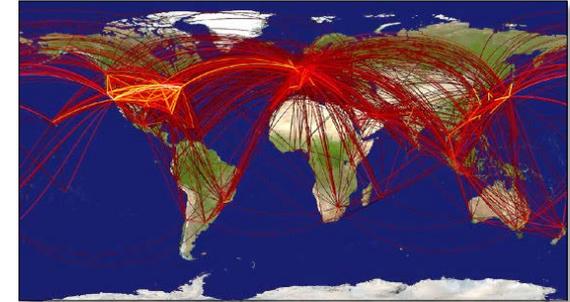




Health Related Issues

How lives can be saved during an outbreak by action in the aviation sector:

- Traveller screening for disease
- Procedures to inform travellers of action to take if they become ill
- Identification and management of on-board cases
- Notification to the public health authority at destination
- Preparedness plans should staff be absent (to ensure flight safety)



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Challenges (1)

- ✈️ Aviation has specific characteristics
 - ✈️ Deadline driven: take off/landing slots; connections; *en route* airway space
 - ✈️ Delays extremely costly
 - ✈️ Highly regulated: ICAO provides overarching regulations – implemented by national civil aviation authorities
 - ✈️ Particular vocabulary: sometimes with different meanings from IHR e.g. “certification” (licence given by a CAA to an aerodrome); isolation (remote parking position)

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Challenges (2)

✈ Aviation personnel are:

- ✈ Focused primarily on *prevention of accidents*, and
- ✈ Personnel *not generally knowledgeable about public health*

✈ Public health personnel are:

- ✈ Focused *primarily on non-transport related health issues*
- ✈ Personnel *not generally knowledgeable about aviation*

✈ And so.....

***Preparedness planning in aviation
can fall into a gap between both sectors***

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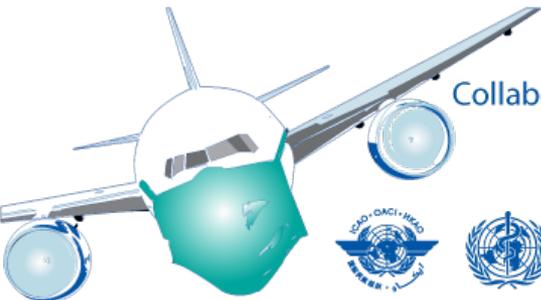
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CAPSCA

✈ An International Civil Aviation Organization (ICAO) global initiative to improve preparedness planning and responses to public health events that affect the aviation sector , such as an epidemic or a nuclear accident



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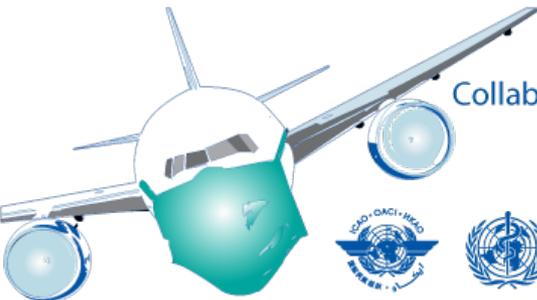
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Purpose of CAPSCA

- ✈ Assist States with implementation of the WHO International Health Regulations (2005) in the aviation sector (airports and airlines) by:
 - ✈ Promoting inter-sectoral communication and collaboration
 - ✈ Ensuring the aviation sector is ready to respond to a public health event
- ✈ In place in Africa since 2009
- ✈ Last annual regional meeting July 2014 (Mauritania)
- ✈ Several Assistance Visits to States and airports provided



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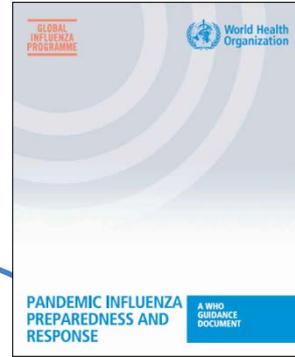
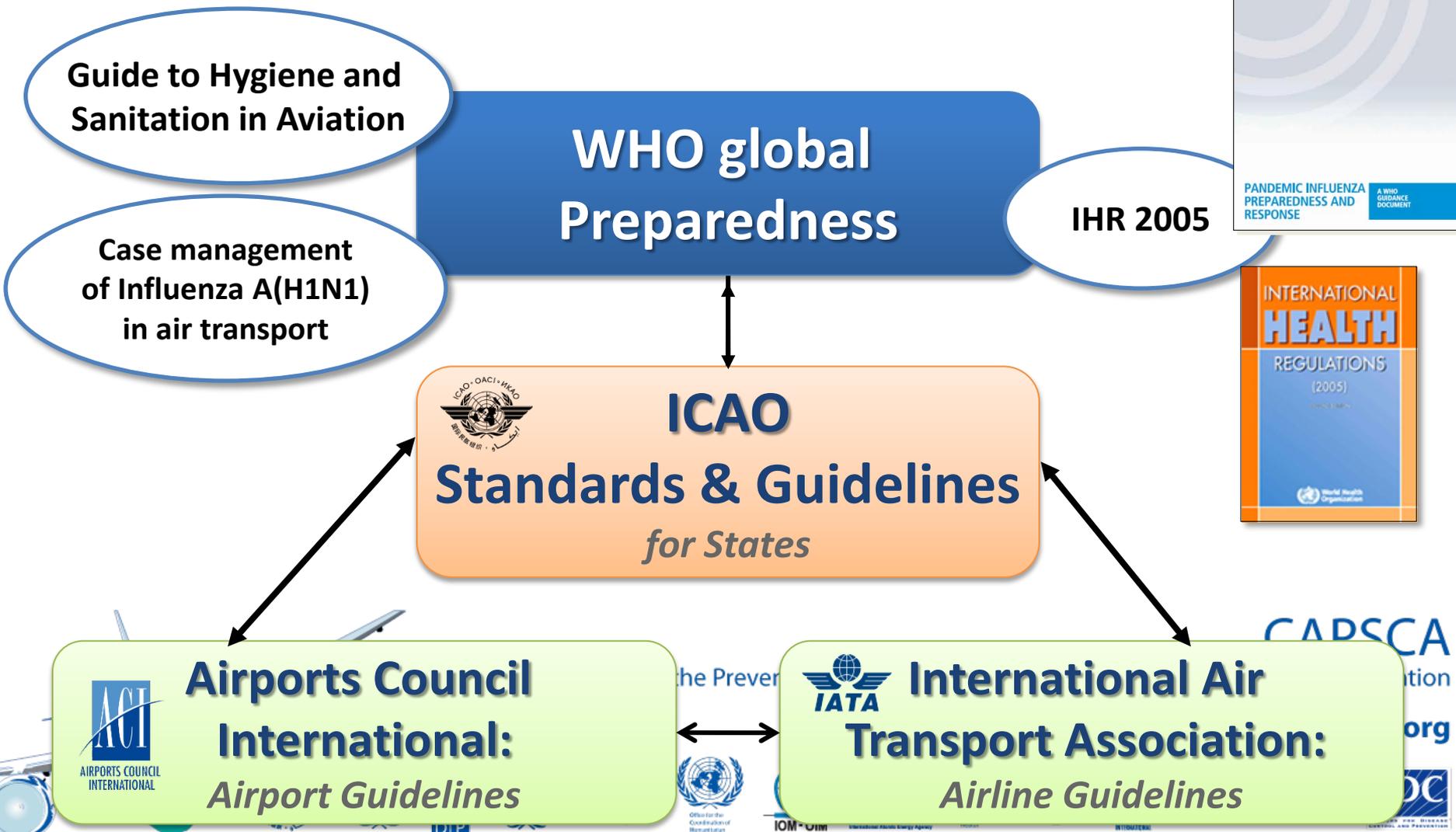
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CAPSCA ensures guidelines are *harmonized*



Guide to Hygiene and Sanitation in Aviation

Case management of Influenza A(H1N1) in air transport

WHO global Preparedness

IHR 2005

ICAO Standards & Guidelines for States

Airports Council International: Airport Guidelines

International Air Transport Association: Airline Guidelines

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CAPSCA - Partners



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AFRICA

MIDDLE EAST

PRIVATE

PUBLIC

COMMUNICATION



AMERICAS

COLLABORATION



ASIA PACIFIC

for the Preven



EUROPE



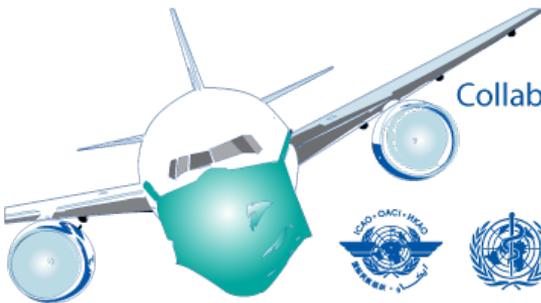
CAPSCA Programme Activities

- ✈ Meetings – global and regional
- ✈ Seminars/Workshops/Exercises/Training
- ✈ Develop and improve guidance and tools
- ✈ www.capsca.org reference information
- ✈ Assistance Visits to States and Airports
- ✈ Supporting international response to PHEs

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Global CAPSCA Achievements

- ✈ Five CAPSCA regional projects joined by more than **110 Member States & Territories**
- ✈ Annual regional multi-sector CAPSCA meeting
- ✈ **Airport Assistance Visits** to States/international airports completed in more than 65 **States/Territories**
- ✈ **Training** for Technical Advisors, provided for CAPSCA Assistance Visits by States
- ✈ The **CAPSCA** web site (www.capsca.org)
- ✈ **Expanding CAPSCA's scope** beyond communicable disease

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CAPSCA Africa

Member States

- Since 2009 - 33 States



Angola



Gambia



Nigeria



Cape Verde



Lesotho



Swaziland



Benin



Ghana



Senegal



Central African Republic



Liberia



Togo



Botswana



Guinea



Sierra Leone



Côte d'Ivoire



Mali



Uganda



Burkina Faso



Guinea Bissau



South Africa



Democratic Republic of the Congo



Mauritania



United Republic of Tanzania



Cameroon



Kenya



South Sudan



Equatorial Guinea



Mozambique



Zambia



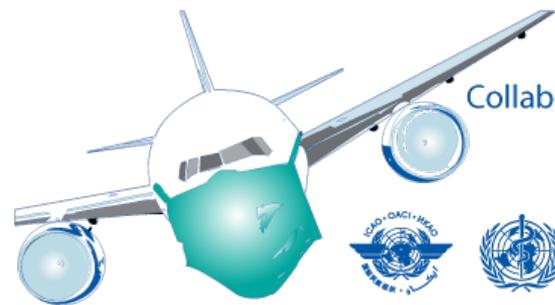
Gabon



Niger



Zimbabwe



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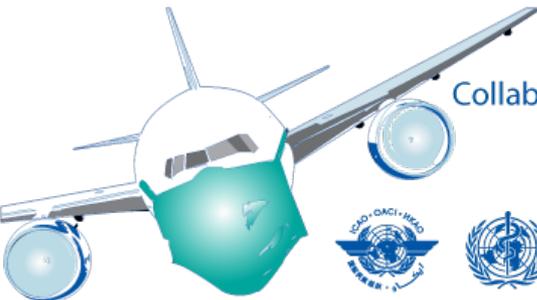
Achievements

- ➔ CAPSCA – Africa Fifth Regional Meeting, held from 14 to 17 July 2014, Nouakchott, Mauritania
- ➔ 15 States/Airports Assistance visits implemented in 2014 and 2015
 - Uganda, Guinea Bissau, Côte d’Ivoire, Mali, Burkina Faso, Sierra Leone, Guinea, Ghana, Nigeria, Liberia, Benin, Togo, Mauritania, DR Congo and Gambia
- ➔ 5 more Assistance Visits planned in 2015 :
 - Senegal, Cameroon, Ethiopia, Niger and Kenya

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ICAO-WHO CAPSCA Training Workshops

(Dakar and Nairobi, March - April 2015)

- ✈ Organized within the scope of the United Nations Ebola Response Multi-Partner Trust Fund and the ICAO/WHO Aviation Ebola Action Plan implementation project activities relating to the prevention and management of public health events*
- ✈ In collaboration with the World Health Organization (WHO) and the Centers for Disease Control and Prevention (CDC) of the United States*
- ✈ Focus on the implementation of requirements for the aviation sector contained in the relevant ICAO Annexes and the WHO International Health Regulations (IHR 2005) as well as best practices developed by different organizations (Centers for Disease Control and Prevention (CDC), Airports Council International (ACI), International Air Transport Association (IATA), etc.)*

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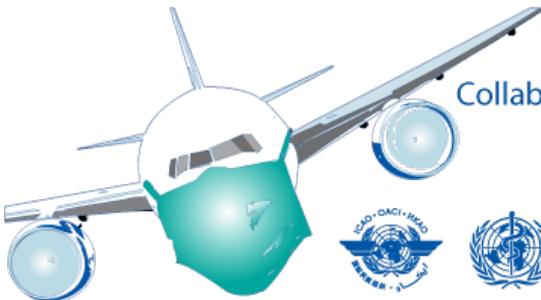
The Ebola outbreak in Africa



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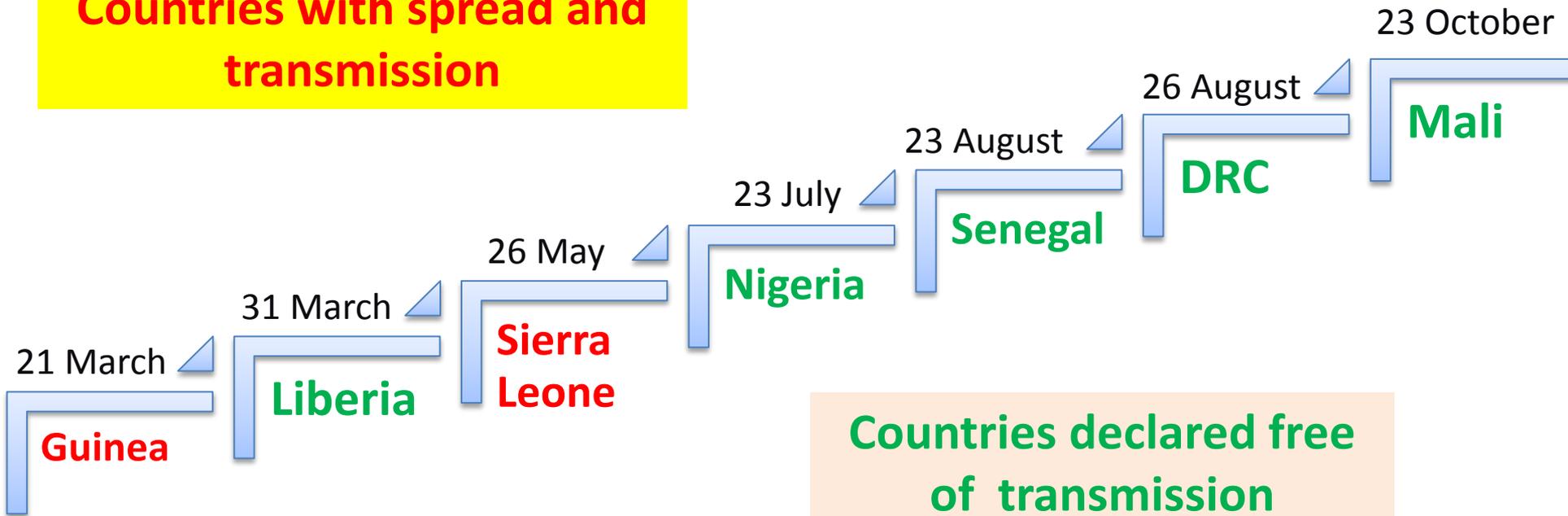
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EVD Outbreak in Africa

Countries with spread and transmission



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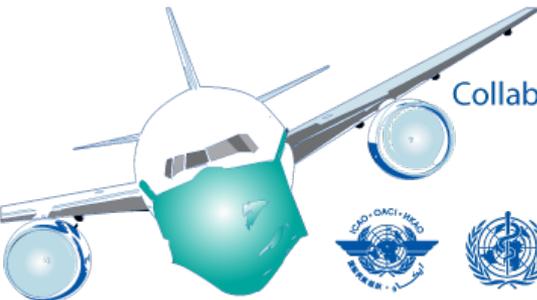
Impact – travel restrictions

- ✈ Some States imposed restrictions on air travel and some airlines suspended their operations to and from the affected countries (*not recommended by WHO*)
- ✈ The consequence is that health care workers have difficulty to travel to the affected countries, and delivery of life saving equipment and supplies is delayed.

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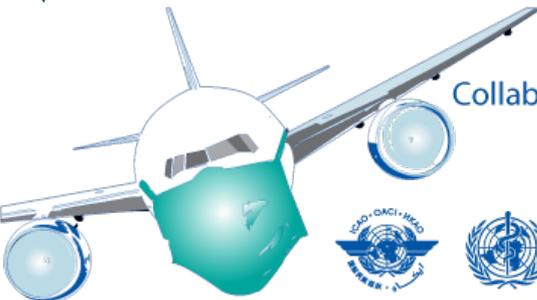
Action taken by ICAO in collaboration with other stakeholders

- ✈ Chair of Joint Ebola Travel and Transport Task Force (ICAO/WHO/UNWTO/IMO + industry representatives)
- ✈ Two Electronic Bulletins issued to States:
 - ✈ Providing list of EVD resources
 - ✈ Relief flights; carriage of biological specimens
- ✈ Joint ICAO/WHO letter issued to Ministers of Health and Transport
- ✈ Provided technical input to several WHO and CDC documents

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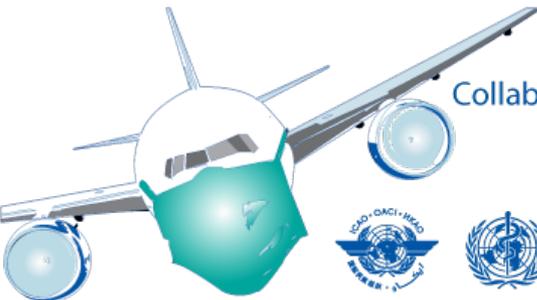
Coordination efforts of the ICAO Regional Offices

- ✈ Daily monitoring and information exchange with ICAO HQ and WHO
- ✈ Providing Information, guidelines and advice to States
- ✈ Information and collaboration on restriction measures with States and International Organizations (AFCAC, ECOWAS, EAC, ...)
- ✈ Flight information, coordination for UN staff security
- ✈ Information, collaboration, facilitation of flights, with States and International Organizations (WHO, CDC, Eurocontrol, ASECNA)
- ✈ Provided inputs to several High level Meetings (ECOWAS, EAC)

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Summary

- ✈ States need to prepare for widespread spread of communicable diseases
- ✈ Preparedness in the aviation sector requires communication and collaboration between the aviation and public health sectors
- ✈ CAPSCA has a programme that is already in place to assist States develop and implement preparedness plans to manage and mitigate the threats

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ICAO UNITING AVIATION

NO COUNTRY LEFT BEHIND



Thank you

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