"The IHRs and airport preparedness for infectious disease pandemics"

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Coughs and sneezes…….
International Health Regulation
- Purposes and Scope-

• The purpose and scope of these Regulations are to prevent, protect against, control and provide a public health response to the international spread of disease in ways that are commensurate with and restricted to public health risks, and which avoid unnecessary interference with international traffic and trade.
Goal of Airports:

• Keep the Airport running............
Goal of Public Health Services:

Keep the Pandemic outside
Medical Impact

(somewhere worldwide)

Exit Airport

BB AA RR II EE RR

Exit Screening
(Exit Airport)

Barrier

Entry Screening

Clinic
Medical examination

Quarantine
Landings within 60 seconds!
36 x 250 Paxe = 9000 Paxe/day
The next Medical Disaster

Medical Impact

Economical Impact

Triggered

- Politicians
- Media
- Public Health Services
- WHO
- (board members, employees......)

Airport closure
Deserted Airports
Passenger volume plunged
What does this show?

The vulnerability of......

.... the aviation sector

and its impact on States

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Medical service, staff & equipment

Equipment & personnel for transport

Trained staff and programme for vector control

Trained personnel for inspection of conveyances

Ensure safe environment, water, catering facilities, wash rooms, disposal services & inspection programmes

Capacity at P.o.E at all times
b. Provide PH assessment & care for affected travellers, animals, goods by establishing arrangements with medical, veterinary facilities for isolation, treatment & other services.

c. Provide space, separate from other travellers to interview suspect or affected persons.

d. Provide for assessment, quarantine of suspect or affected travellers.

e. To apply recommended measures, disinsect, disinfect, decontaminate, baggage, cargo, containers, conveyances, goods, postal parcels etc.

f. To apply entry/exit control for departing & arriving passengers.

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Capacity at P.o.E during P.H.E.I.C.

Emergency resp. plan, coordinator, contact points for relevant PoE, PH & other agencies.
Guidelines

- WHO
- ICAO
- IATA
- ECAC
- EU
- CDC
- ECDC
- CAPSCA
- RAMT
- FAA
- ACI
- (EAGOSH)

Local German Authorities:
- BMG
- BMV
- RKI
- States
- Public Health S.
- Center of Compet.
- E.g.
Legal responsibility and consequences

Public Health Service

Airports
Public Health Service

Airport closure

- 1 minute: 6088 €
- 1 hour: 365,280 €
- 24 hours: 8,766,720 €

Airlines: (?)
WHO (IHR 2005)

Entry Screening

Color Coding
(highly recommended)

Exit Screening

see HKG
Goal

- cooperation Public Health Services
- cooperation WHO (IHR 2005)
- take the leadership
- .....we know the process (!)
- implement color coding
Colorcoding

✓ simple (KISS *)
✓ cost effective
✓ being tested in HKG

* Keep it super simple
Entry-Screening
Contact Patient in the aircraft
(Contact/Index Patient)
Procedure with 4 color coding in Hong Kong (SARS)

Four busses for the different categories

- Red (Index)
- Orange (close contact)
- Yellow (social contact)
- Green (ok)
Entry-Screening (Draft)

- At the Apron before leaving the aircraft (inside the aircraft)
  - Personnel will check the passengers in every aircraft coming from affected or suspicious areas (medical staff and border police)
  - Subsequent Color Coding

Subject to Coding*

- Pax is transmitted to designated medical services
- Pax obtain medical information, further advices from the medical services or precepts
- Pax proceed traveling (after obtaining personal data)

* Will be done inside the aircraft before deboarding
Colour coding of Patients/Contacts

► Red: Index patient

► Yellow: close contacts, i.e. family members, passengers sitting 2 rows around the sick passenger and crew member(s) taking care of the sick passenger
  • They might have been infected by the sick passenger but are unlikely to be infectious at that stage

► Green: passengers and crew members w/o close contact to the index case
  • They would be given health education and information for contact tracing would be obtained from them in case they need to be put under active surveillance

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Thermo scanning and manual scanning in Hong Kong and Singapore for Entry and Exit Passengers: Additional 2 employees per gate (!!). Temperature scanning also daily for Employees working at the airport.

(pictures being taken during the SARS program)

Possible Procedures
(Entry and Exit Screening)

Thermo scanning and manual scanning in Hong Kong and Singapore for Entry and (!!) Exit Passengers: Additional 2 employees per gate (!!). Temperature scanning also daily for Employees working at the airport.

(pictures being taken during the SARS program)
Step 1
If Thermoscan is positive (37.5 degree C)
Go to.........

Step 2
Retesting 15min./30 min. under supervision
If positive (38.0 degree C)
Go to........

Step 3
Medical examination at the airport

Inside the Terminal
Close to the first „control area“
Hygiene measurements (Hongkong Airport)

At each elevator information about
- proper hygiene and
- space for waste
- Desinfection gel for self service
„Red“ passenger do get escorted to restricted area RED (Terminal)

There will be a documentation and a qualified information by a medical expert about the situation and the upcoming procedures.
Areas are separated.

Medical Post and paramedics are available.

CX employees will support passengers if there are any questions.
Passengers do get informed by a medical expert and (!) a PowerPoint presentation with information runs always in the background.

After filling out the public health declaration (PHD) the passengers will see the public health officer.
HP ok

The pax will receive another patch after consulting with the public Health officer (pict. Left)

Paramedic service close to the different zones (red, yellow......) (pict. below)
Exit-Screening
At the Terminal before check-in (before entering the Building or within the building)

- Medical inspection/examination
- Questionnaire
- Temperature-Scanning
- ....

In case of negative screening results:

- Coding for check-in (inside the building in designated area, see Hongkong)

In case of positive* screening results:

- Coding for medical services (nearby)

* Escorted by police or security staff
International Health Regulation (IHR 2005)

Questions to be answered

- Are you aware of IHR
- Legal Responsibility
- Designated Airports
- Trained Staff
- Equipment
- Training/Drill
- Tool Box

To Do List

- Procedures
- Checklists
- Entry Screening
- Exit Screening
- Communication (national/int.)
- int. Network (ICAO,IATA)
- Modify present Emergency Plan
- *Take over the „Leadership“*

Support: ACI World; dgamper@aci.aero
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Our Service:

✓ White Paper „pandemic „for airports
✓ Draft – Pandemic Plan (Catalogue of Measures for highly infectious diseases)
✓ German Pandemic Plan (procedures at Frankfurt Airport)
✓ Emergency Procedures (defense against infectious diseases)
✓ Flowchart for high inf. diseases
✓ CAPSCA 1st Steering Committee Meeting
✓ Summary CAPSCA meeting Hongkong
✓ e.g.
Acknowledgment:

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Let's work together.....

..... to try and avoid this new spectre of death

Jarnail Singh 2007
Vielen Dank für die Aufmerksamkeit!
Any Questions?

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