



Health
Benefits
Employee Services

International Travel Health American Association of Occupational Health Nurses

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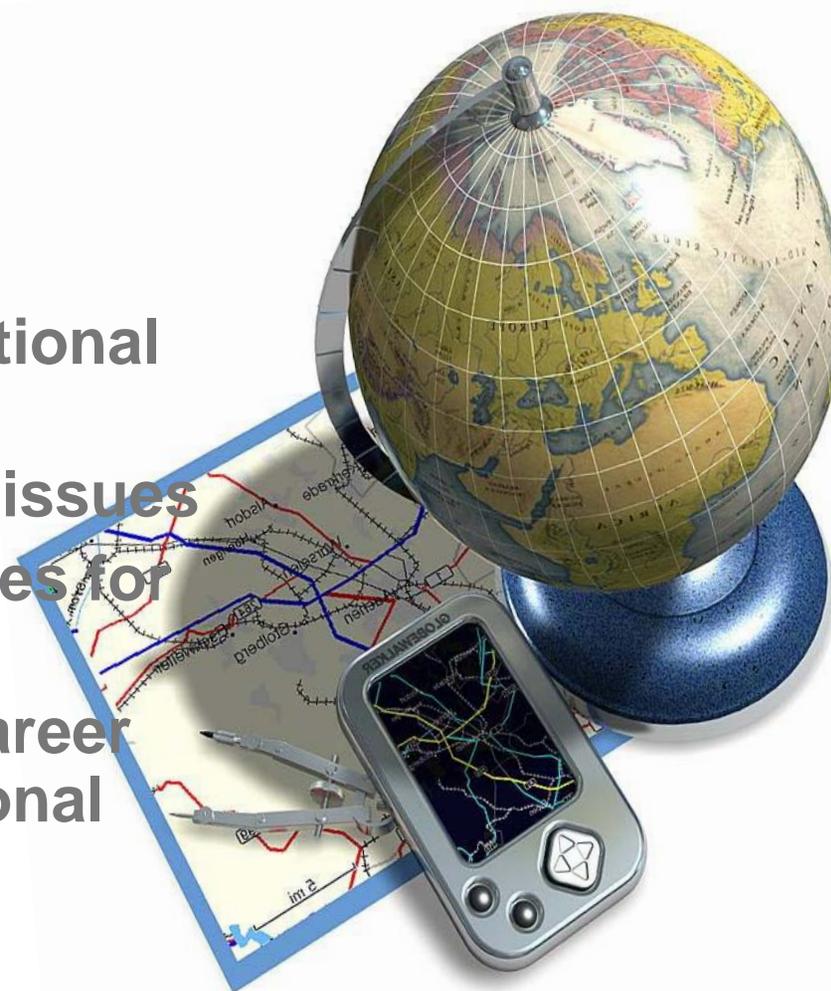
Workshop Objectives

Identify core services for an occupational based International Travel Clinic (ITC)

Discuss common ITC health issues

Review select emerging issues for ITC clinics

Provide information about career related issues for occupational health nursing



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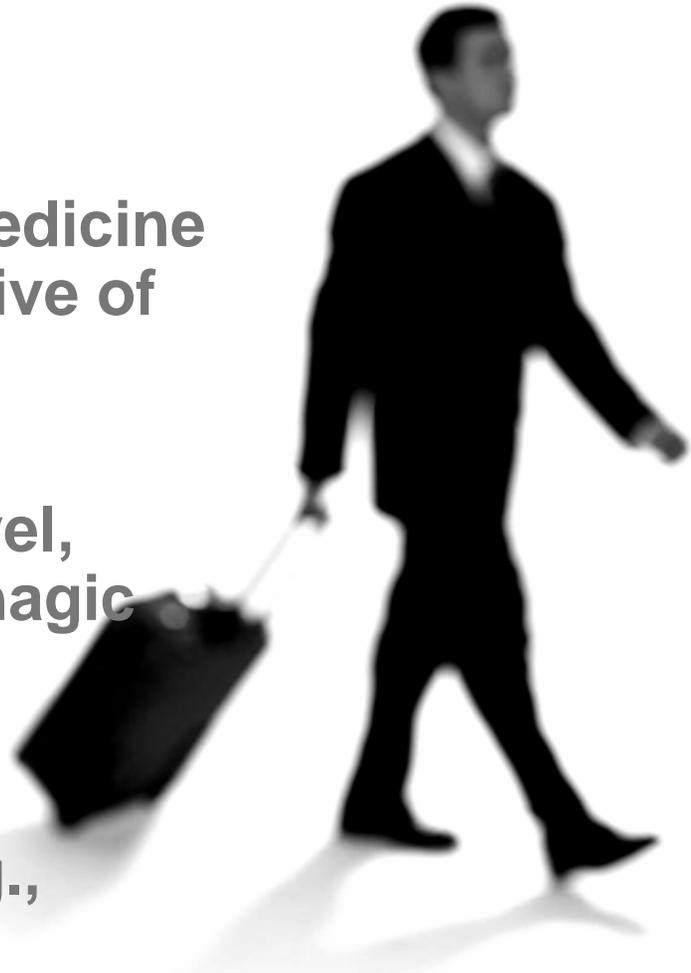


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Background

History of international travel medicine can be viewed from a perspective of infectious disease control.

Depending upon location of travel, concerns may include hemorrhagic fevers, mosquito borne illness, rickettsial disease along with concerns associated with contemporary experiences (e.g., SARS, HIV, etc.)



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Background International Regulation

International travel medicine is also a study in international law and regulation

Current observations/issues:

- Global public health/governance is generally weak and in need of improved structure
- Origins of current practices date to mid-1800s amid concerns of cholera, plague and yellow fever
- New risks amplified by increased int'l travel, global economy and drive for int'l commerce
- Broad goal is to provide security against int'l spread of disease while avoiding unnecessary interference with int'l travel.

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International Travel Regulation WHO Recommendations

World Health Organization



- Scope** Non-disease specific standards sensitive to emerging threats
- Surveillance** Enhance capacity, monitor performance and develop networks
- Public health Systems** Set performance criteria with measurable outcomes, state accountability and facilitate economic development
- Human Rights** Elaborate on human rights and balance public health needs
- Governance** Implement good governance (fairness, objectivity, transparency)

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Implementation Limits

While the goals of improved international regulation are well intended, there are significant limits including

- Sovereignty
- Self-interest
- Capacity



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Occupational Health Perspective

Provides a shift in focus with core concepts being the protection and promotion of the health of the worker.

For many, travel is necessary component of work life.

Services need to address individual health needs, contingency plans and personal/family support.



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Sandia National Laboratories



**Our Business is
National Security**

Our Core Purpose

**is to help our nation
secure a peaceful
and free world
through
technology.**

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Highly Skilled Workforce



- Sandia employs 8500 employees
- 1500 PhDs and 1500 MS/MA
- Attrition below 4% annually
- Core work across seven facilities
- Distribution of work now worldwide
- International travel an expectation for many

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International Travel Services

Travel Planning

Notification/approvals
Risk Assessment
Security Review

ITC Consultation

Personal Health Assessment
Evaluate destination risks
Immunizations
Emergency Preparedness

Post Trip Review

Interview/questionnaire
Problem review
Pre-planning for next trip

ITC Program Review

Evaluate aggregate information
Engage high travel organization
Prepare for special needs

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Vaccinations Risk Assessment and Priorities

Vaccinations generally based upon required, routine and recommended prophylactic strategy.

In all cases, consideration must be given to:

- Location and duration
- Reason for travel
- Health of the traveler
- Individual travel plans



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Vaccinations Examples of Recommendations

Required

Yellow Fever

Routine

Diphtheria

Tetanus

Polio

Measles

Hepatitis B

Recommended

Influenza

Hepatitis A

Typhoid Fever

Meningococcal

TB

Cholera

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International Travel Common Problems

Acute Traveler's Diarrhea

- Dietary Precautions
- Bismuth
- Antimicrobials (quinolones, macrolides, rifaximin)

Persistent Diarrhea

- Parasitic infection
- Latent non-infectious disease

Hepatitis A

- Most frequent vaccine preventable disease
- Common world wide
- Active immunization preferred approach

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Emergency Support

Emergency support may be needed for personal health, emerging disease, local conflict, and natural disaster

Medial Assistance companies are a necessity

- **Global emergency assistance (evacuations, hospitalizations, interpreters, etc.)**
- **Medical services (site surveys, development of medical resources, planning)**
- **Security Services (monitoring, analysis, transportation)**

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Special Issues

ITC support may vary widely to support/respond to special needs

- Extended stay for larger groups
- Regional conflict
- Limited regional infrastructure
- Regional security concerns
- Family support
- Infectious disease (expected & unexpected)

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ITC Support An Example

John Johnson is a professional with experience in biotechnology is being seen in ITC for his 5th trip to a remote location in SE Asia this year. He is a 54y/o individual with known ASHD, HTN and DM. His family is concerned about the frequency of travel, Mr. Johnson's health and family needs associated with one of the teenage children. His current trip is to assess animal control strategies at a rural location where last year there were two documented cases of Avian flu in local residents. Three days after arriving at his destination, WHO advanced the alert level from 3 to 4 implying increased evidence of human to human transmission of H5N1.

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Public Health Agencies Travel Clinic Medicine

Many career opportunities exist in public/government health agencies, e.g., State public health departments, CDC, WHO and NIH

Additionally, travel clinics are common in internal medicine & infectious disease services, university health clinics and hospitals

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Web Travel Resources

CDC Home Page

<http://www.cdc.gov>

CDC Travel Information

<http://www.cdc.gov/travel/travel.html>

IAC (Immunization Action Coalition)

<http://www.immunize.org>

Pandemic Flu Information

<http://www.pandemicflu.gov>

Travel Medicine Sites

Shoreland/Travax <http://www.shoreland.com>

International SOS <http://www.internationalsos.com>

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Web Resources (continued)

US State Department

<http://www.state.gov>

Wilderness Medical Society

<http://www.wms.org>

WHO (World Health Organization)

<http://www.who.int/vaccines>

This presentation is exclusively
available to participants of this workshop @
<http://www.sandia.gov/health/update/docs/itc.pdf>

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Thank You

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- For up-to-date information on contemporary health or benefits topics, preventive, screening and health education visit the HBE Weekly UPDATE @ <http://hbeupdate.custhelp.com>

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