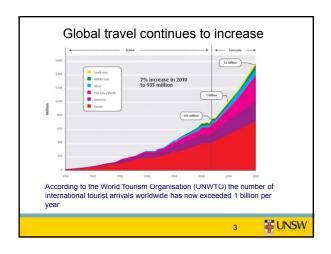
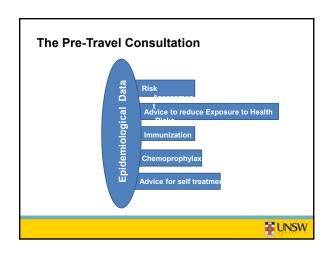


## **Summary Points**

- The travel health consultation involves wholistic and individualised risk assessment (this traveller, this trip and this time)
- The issues are much wider than infectious diseases
- Resources such a pre-consultation questionnaires, checklists and travel health data sources can improve the quality of the consultation







## The Pre-Travel Consultation – Risk Assessment

- Itinerary
- · Reason for travel
- · Duration, style and season of travel
- · Medical history
- · Immunization history
- Allergies
- Special health needs

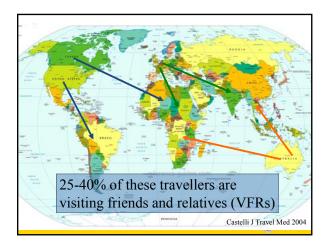
## **UNSW**

# The Pre-Travel Consultation – Risk Management Topics

- Food and water precautions
- Air transportation issues, e.g. DVT
- Insect bite prevention
- Environmental risks
- Immunizations
- · Safety and security
- Malaria Prevention
- Travellers with special needs
- STIs
- Cultural issues
- Travel medical insurance







## Visiting friends and relatives

- · Less likely to seek pre-travel advice
- · Longer stays overseas, often in resource poor settings
- · Live like "the locals"
- Higher risk for malaria<sup>1</sup>, influenza<sup>2</sup>, typhoid<sup>3</sup>, hepatitis A<sup>4</sup>
- · Opportunistically educate, where possible
- Leder. Clin Infect Dis. 2004 39:1104-12. Leder. Clin Infect Dis. 2003 36:399-406. Mermin. Arch Internal Med. 1998;158:633-8. Behrens. BMJ 1995;311:193.



## The Older or Chronically Traveller

- · Older people and those with chronic illnesses are travelling more than ever before
- Doctors, especially general practitioners are called on to assess fitness for travel and provide travel health advice to these patients



## General advice for the older or chronically ill traveller

- · Prepare for travel by being well rested and plan itinerary to minimise stress
- · Health summary and medication list
- · Travel Insurance may be higher premium for pre-existing conditions and some policies exclude psychiatric illness



### The elderly and air travel

- Must be mobile, able to eat, drink and manage own medication and get to toilet
- Avoid dehydration as this increases hypoxia and likelihood of confusion in older people
- Take sufficient medication supplies for entire trip, carried in hand luggage
- Assessing fitness to fly guidelines www.caa.co.uk
- MEDIF form to provide information to airlines available from travel agents and medical departments of airlines



### Recommended medical exclusions from international air travel

Myocardial Infarction

Stroke or transient ischaemic attack

Congestive cardiac failure

Deep vein thrombosis Anaemia

Pneumothorax

After surgery

Not within 7 days. Medical information form required within 21 days Not within 3 days. Medical information form required within 10 days. Individual assessment - need to be controlled

Must be stable

Individual assessment – patient needs to be stabilised on anticoagulants

Not fit if Hb  $\leq$  7.5 g/dl. Medical information form for Hb 7.5 - 10.5 g/dl. Not within 10 days of sickling crisis Not within 2 weeks following full inflation of lung

Not within 5-7 days depending on

circumstances
Appendicectomy, five days; angioplasty, not within 3 days, with stents 5 days; coronary bypass, not within 10 days

#### **Diabetes**

- Increase fluid intake, avoid alcohol and arrange appropriate meals
- · Increase frequency of blood glucose monitoring
- Take hypoglycaemics as prescribed according to local time
- Have snacks on hand in case of delays in meal



#### **Diabetics on Insulin**

- · Insulin may need adjustment if time zone changes
- · Insulin can be in hand luggage does not need to be refrigerated
- · call airline in advance
- · carry NDSS registration card
- · carry copy of insulin prescription
- · only sufficient insulin and injecting equipment for flight and following 24 hours in cabin luggage



## Chronic lung disease

- At cruising height cabin air has PaO2 of oxygen 20-25% less than sea level
- · Exercise tolerance is a good guide to ability to cope with decreased oxygen tension
- Dyspnoea at rest is a contraindication
- If can climb a flight of 15 stairs and walk 50 metres without symptoms then should not experience problems in flight
- Further assessment may be needed ABGs, respiratory function tests and referral



#### Cardiovascular disease

- · Exercise tolerance (15 stairs and 50 metres) is again a good guide to ability to cope with reduced PaO<sub>2</sub>
- People with angina or congestive failure who are symptomatic on minimal exertion are likely to need supplementary oxygen (usually 2L or 4 L per minute)
- · Consider cardiology referral
- · Letter summarising medical problems and copy of recent ECG



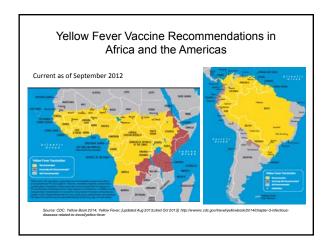
## The 3 Rs of vaccinations

- Routine
- Review lifetime vaccination/illness history no need to repeat doses
- · Required
- To cross international borders
- Recommended
- To prevent trip-specific risks









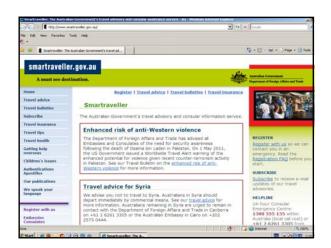
**Travel Medicine Resources** 

#### **Internet Resources**

- www.who.int World Health Organization. International travel and health book available online. Also interactive map for malaria and yellow fever risk
- www.cdc.gov/travel. US Centres for Disease Control comprehensive disease and country information
- www.welltogo.com.au Australian website from Travel Health Advisory Group
- <u>www.tripprep.com</u> Shoreland's travel health online
- <a href="http://www.travelhealthadvisor.com.au/">http://www.travelhealthadvisor.com.au/</a>. New name and website for MASTA in Australia and New Zealand.
- Travellers Medical and Vaccination Centre www.traveldoctor.com.au.
- www.smartraveller.gov.au. This Australian Government site provides travel warning and information on consular services







#### Internet Resources - Malaria

- · CDC Malaria site including malaria maps
  - www.cdc.gov/malaria/map/
- · WHO malaria map
  - <a href="http://www.who.int/malaria/publications/world-malaria-report/global-malaria-mapper/en/">http://www.who.int/malaria/publications/world-malaria-publications/world-malaria-publications/world-malaria-publications/world-malaria-publications/world-malaria-publications/world-malaria-publications/world-malaria-publications/world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-malaria-publications-world-world-world-world-world-world-world-wo



## Travel Medicine Decision Support Tools

- www.masta.edu.au/
- www.rovertravelscript.com.au/
- http://www.shoreland.com/
- https://www.travax.com/
- https://www.travax.com/scripts/Login/Login.asp?Ret urnUrl=%2f



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