



Research on the Transmission of Disease in Airports and on Aircraft: A Symposium

Washington, D.C.
September 17-18, 2009

PRELIMINARY AGENDA (Updated August 13, 2009)

Day 1 – Starting at 8:30am and concluding at 5:00pm
(Continental Breakfast and Lunch to be served during the Symposium)

Welcome and Opening Remarks

Katherine Andrus, Air Transport Association & Symposium Planning Committee Chair
Christine Gerencher, Transportation Research Board

Session 1: Understanding How Disease Is Transmitted via Air Travel

Moderated by: Katherine Andrus, Air Transport Association

- How Infectious Disease Spreads – *Michael Bell, Centers for Disease Control and Prevention*
- The Aircraft Cabin Environment - *Jeanne Yu, Boeing Commercial Airplanes*
- The Role of Travel in the Spread of Disease – *Ben Cooper, UK Health Protection Agency*

Session 2: Practical, Case-Response Approaches to Investigating the Spread of Disease in Airports and on Aircraft

Moderated by: John Neatherlin, Centers for Disease Control and Prevention

- Norovirus Transmission on Aircraft – *Dan Fishbein, Centers for Disease Control and Prevention*
- Investigations of Tuberculosis on Aircraft - *Karen Marienau, Centers for Disease Control and Prevention*
- Swine Flu (A-H1N1) Transmission via the Aviation Sector – *Itamar Grotto, Israel Ministry of Health*

Session 3: Theoretical Modeling Approaches to Investigating the Spread of Disease in Airports and on Aircraft

Moderated by: Jennifer Topmiller, National Institute of Occupational Safety and Health

- Summarizing Exposure Patterns on Commercial Aircraft - *James S. Bennett, National Institute of Occupational Safety and Health*
- Advance Models for Predicting Contaminants and Infectious Disease Virus Transport in the Airliner Cabin Environment - *Yan Chen, Purdue University and Byron Jones, Kansas State University*
- Quantitative Microbial Risk Assessment Applications – *Joan Rose, Center for Advanced Microbial Risk Assessment (CAMRA)*

Session 4: Experimental, “Bench Science” Approaches to Investigating the Spread of Disease in Airports and on Aircraft

Moderated by: Jack Spengler, Harvard School of Public Health

- Airport-related Biological and Chemical Transport of Infectious Diseases - *Richard Sextro, Lawrence Berkeley Labs*
- Disinfection and Production Rates of Viruses – *James McDevitt, Harvard School of Public Health and Don Milton, University of Maryland*
- Research on Fomite Transmission in Airports and on Aircraft – *Charles Gerba, The University of Arizona*

End of Day Wrap-Up Discussion



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(Continental Breakfast to be served)

Session 5: Policies and Planning to Minimize the Spread of Disease

Moderated by: Ben Cooper, UK Health Protection Agency

- Transmission Patterns of Mosquito-Borne Infectious Diseases during Air Travel: Passengers, Pathogens, and Public Health Implications – *James Diaz, Louisiana State University Health Sciences Center*
- The Practical Application of the World Health Organization Travel Recommendations: Some observations – *Tony Evans, International Civil Aviation Organization*
- Airline Policies and Procedures to Minimize the Spread of Disease – *Rose Ong, Cathay Pacific Airways*

Session 6: Discussion of Future Research Needs

Summary, Comments, Next Steps

Katherine Andrus, Air Transport Association & Symposium Planning Committee Chair
Christine Gerencher, Transportation Research Board

SYMPOSIUM CONCLUDES