

12. Key components of effective and sustainable tuberculosis infection control programme

**THE 46TH UNION
WORLD CONFERENCE
ON LUNG HEALTH**

CAPE TOWN, SOUTH AFRICA
2-6 DECEMBER 2015

Thursday, 03 December 2015, 09:00 - 16:00

Room Marco Polo-Westin

Type of session	Post-graduate Course
Track	TB infection control
Duration	Full-day
Max attendees	40
Description	TB transmission in healthcare and congregate settings, especially where drug-resistant TB and HIV are highly prevalent, continues to drive the TB epidemic. Even with increasingly available resources for TB infection control interventions, lack of updated knowledge and skills makes development of effective and sustainable risk reduction programmes challenging. This course will address a priority-based approach to TB infection control programme development, monitoring and evaluation and introduce recently developed guidelines and recommendations.
Target audience	<ol style="list-style-type: none"> 1. NTP managers, infection control specialists, TB laboratory managers 2. TB/HIV coordinators, TB doctors and nurses, epidemiologists 3. Engineers and architects
Objectives	<ol style="list-style-type: none"> 1. Introduce TB transmission concept and airborne infection control hierarchy 2. Discuss key components of administrative and environmental controls and personal respiratory protection 3. Provide overview of airborne infection-related laboratory biosafety interventions 4. Introduce new germicidal ultraviolet irradiation for TB IC guidelines 5. Provide overview of monitoring and evaluation methodologies for TB infection control programmes and interventions
Keywords	TB infection control; laboratory biological safety; sustainability
Coordinator(s)	Grigory Volchenkov (Russian Federation), Paul Jensen (USA)
Chair(s)	Edward Nardell (USA), Paul Jensen (USA)
Presentations	<ol style="list-style-type: none"> 1. Theory of airborne infections transmission. TB transmission in high DR-TB/HIV burden settings Max Meis (Netherlands) 2. Occupational risk factors for TB among healthcare workers: policies and practices Carrie Tudor (USA) 3. Implementation and impact of FAST strategy Edward Nardell (USA) 4. Environmental controls: making natural and mechanical ventilation effective and affordable Paul Jensen (USA) 5. Upper room UVGI: new guideline introduction. Concept and application issues Edward Nardell (USA) 6. Sustainable building design for airborne infection control Garry Blackwelder (USA) 7. Laboratory biological safety: integration of controls Matsie Mphahlele (South Africa) 8. Making personal respiratory protection programme feasible Grigory Volchenkov (Russian Federation) 9. Measuring the impact of TB infection prevention and control interventions Edward Nardell (USA) 10. What makes TB infection control programme effective? Paul Jensen (USA)