Regarding the Olympic Games...

A. I have worked as a public health practitioner at a past Olympic Games
B. I have attended an Olympic Games
C. I have watched an Olympic Games on TV
D. All of the above
True or False?

Olympic Games pose a public health opportunity and challenge only for the local jurisdictions directly involved.

A. True

B. False
What’s your opinion?

My jurisdiction is ready for the cross-border implications of the upcoming Winter Olympics in British Columbia.

A. Yes
B. No
C. Maybe
D. Don’t know
Objectives

• Describe a process used by the Republic of China in conducting community environmental health assessments

• Relate the environmental and community issues associated with a major international sporting event

• Explain the challenges associated with the development of standards for measuring environmental impacts associated with the 2008 Summer Olympics
Background

• July, 2004: State Board of Health report on environmental health (EH) assessment
• December, 2004: Marianne Seifert presentation in Brisbane, Australia at international EH conference
• June, 2005: Inquiry from Beijing Municipal Health Bureau about EH assessments in preparation for 2008 Summer Olympics
2008 Olympics Health Legacy Project

• Consider both short-term and long-term effects of Olympic Games on health

• Identify health effects from the Olympic Games during pre-bid, pre-game, game year, and post-game stages

• Ensure consistency with international (IOC) standards, but reflect the current status of environmental concerns in China
## Project Studies Part 1

<table>
<thead>
<tr>
<th>Sub-Group</th>
<th>No.</th>
<th>Title of Papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicator system study</td>
<td>3</td>
<td>1. Founding the assessment indicator system on the impact of 2008 Olympic Games on the healthy circumstances of the holding city</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Establishing a set of indicators system for assessing the Olympic Games influence on people of holding city</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. Theory analysis on Olympic health legacy</td>
</tr>
<tr>
<td>Sub-Group</td>
<td>No.</td>
<td>Title of Papers</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-----</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Typical Community Study</td>
<td>5</td>
<td>1. Investigation on health knowledge and behavior among residents in Yayuncun community</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Analysis of health status and relevant factors among residents in Yayuncun community</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. Investigation of sport health cognition among residents in Yayuncun community</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4. Study on situation of sport organization in Yayuncun community</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5. Investigation of current situation of health service utilization in Yayuncun community</td>
</tr>
</tbody>
</table>
## Project Studies Part 3

<table>
<thead>
<tr>
<th>Sub- Group</th>
<th>No.</th>
<th>Title of Papers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Environment Study</td>
<td>3</td>
<td>1. A cross-sectional study on inhabitant’s satisfaction with degree of health environment in Beijing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Investigation on current situation of physical activities among residents in Beijing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. Analysis of the health concept, knowledge and relevant behaviors among Beijing residents</td>
</tr>
</tbody>
</table>
The Health Environment Study

- Questionnaire released via newspapers and Internet
  - Self-reported questionnaire released on Beijing Evening News, The First, and Sohu Web site to develop the first large-scale survey (April – June, 2005)
- 10,496 people participated in this survey and provided valued baseline data
- Beijing residents expressed their attention to the Olympic Games by various methods
- Relationship between the Olympics and people’s health broadened through propaganda (prevailing news media)
The Typical Community Study

Selecting a typical community and subjects

- Community selected Yayuncun (population 60,000) in Chaoyang district
- According to principle of free will, more than 1,200 people aged 15 and above were selected from 400 permanent resident families and 400 temporary resident families
- First investigation of subjects and interview to select some managers were carried out in November of 2004 to establish baseline
Study on Individual Level

- Demographic information: sex, age, and income
- Health status: self-report health status and ailments
- Lifestyle: cigarette smoking, drinking, diet, nutrition, and traffic safety
Study on Individual Level, cont.

- Physical activity: awareness of the relationship of physical activity and health
- Health knowledge: percentage of people giving correct answer to health questions, health attitude
- Medical security level and access to health services: distance to a community clinic
Study on Community Level

- Facilities: the number of indoor and outdoor public physical activity facilities
- Environment: policies and activities on
  - non-smoking
  - physical activity
  - total expenditure on environment, public greenbelt areas, environment protection, and health facilities
Health service: the number of hospitals, the distance to clinics, health insurance coverage, and immunization of children less than 6 years old.
EH Issues in China

• Air, water, food, housing
• Conflict with economic growth
• Compliance to policies
The Meeting

• Day 1: Presentation by Beijing officials
• Day 2: Our presentation
Our Input

• EH policy making
• Heath Impact Assessments
• EH assessments
Types of Assessments in US

• Community health profiles (morbidity, mortality, diseases, and other health data)
• Environmental impact statements
• Risk assessments
• Cost/benefit studies (fiscal analysis)
• Life cycle assessments (cradle to grave)
• Community environmental health assessments (e.g., Protocol for Community Excellence in EH)
• Health impact assessments
Sustainable Seattle

“Balancing Economy, Environment, and Community”

40 indicators of sustainable community

- Environment
- Population and Resources
- Economy
- Youth and Education
- Health and Community
Sustainable Seattle, cont.

Criteria for indicators

- Relevant
- Reflect community values
- Attractive to local media
- Statistically measurable
- Logically or scientifically defensible
- Reliable
- Leading
- Policy-relevant
Reflections from my Visit

- Friendliness – tours
- Receptivity – questions
- Follow-through – ?
- What will happen during games? – temporary fixes

http://www.worldwatch.org/taxonomy/term/53
Images from China
Food and Dining
More Food and Dining
Performance Art
International Collaboration
Questions?