


Health Information Technology Summit, Washington, October 23, 2004

# Case Studies – HIT Around the World

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### 3. The Seven Applications of HMIS

|                             |                            |
|-----------------------------|----------------------------|
| CLINICAL                    | 1. Patient Care Management |
| 2. Population Management    |                            |
| 3. Disease State Management |                            |
|                             |                            |
| ADMINISTRATIVE              | 4. Resource Management     |
| 5. Utilization Management   |                            |
| 6. Financial Management     |                            |
|                             |                            |
|                             | 7. Quality Management      |



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### HIT goals:

- Improving the **Access** to health services by the Population
- Ensuring **Equity** in providing health services
- Increasing **Efficiency**
- Improving **Quality** of Care



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### HIT drivers:

- The Epidemiological Transition
- Cost constraints
- Affordability of Information Technology
- The Scare of Epidemics (SARS, avian flu, HIV...)



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### HIT Components

**“HARD” COMPONENTS:**

- Hardware
- Software
- Telecommunications Equipment
- Supplies

**“SOFT” COMPONENTS:**

- Capacity building for sustainability
- Health care delivery process re-design
- Computer-ready buildings
- Training
- Planning for sustainability



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### COSTS: The “Iceberg” Challenge

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| Recognized Costs |  |
| Hidden Costs     |                                                                                     |

Source: Binseg Wang

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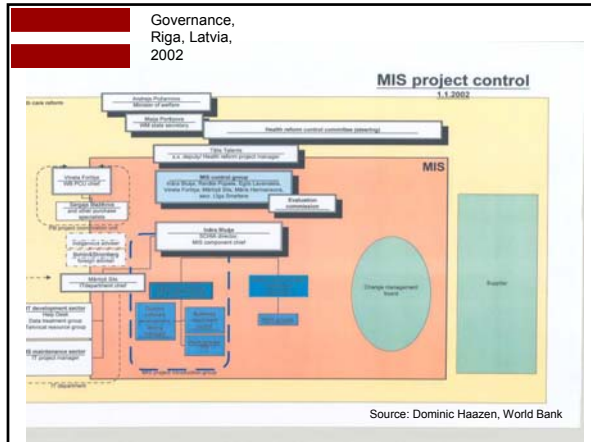
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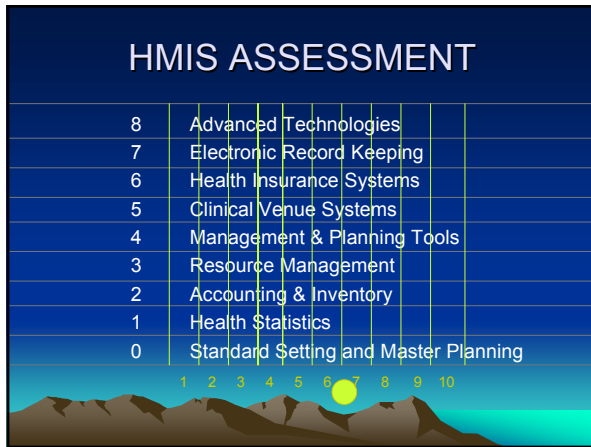
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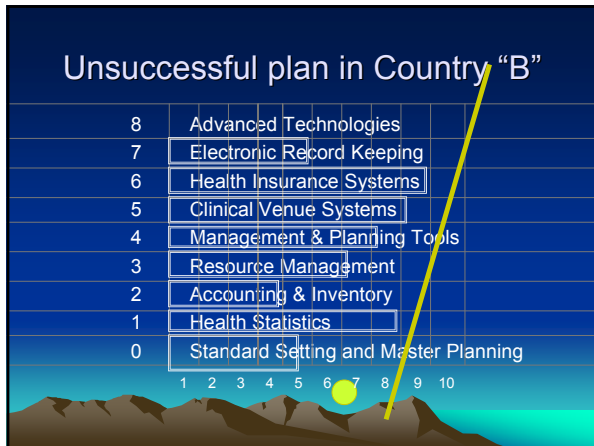
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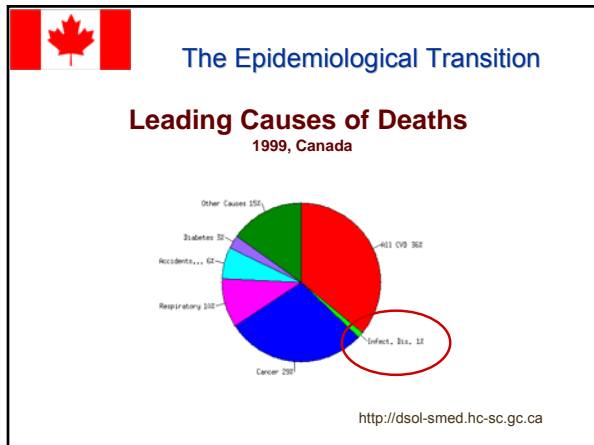
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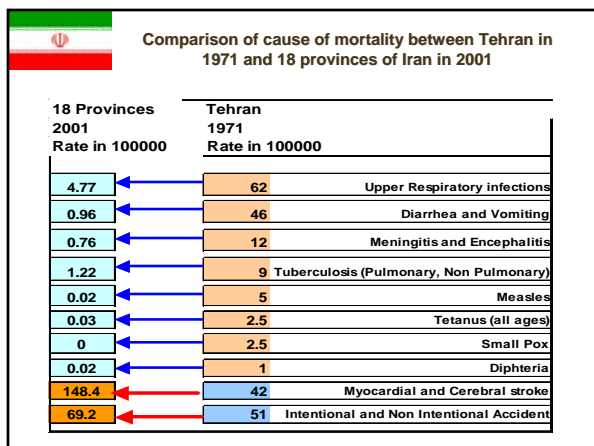
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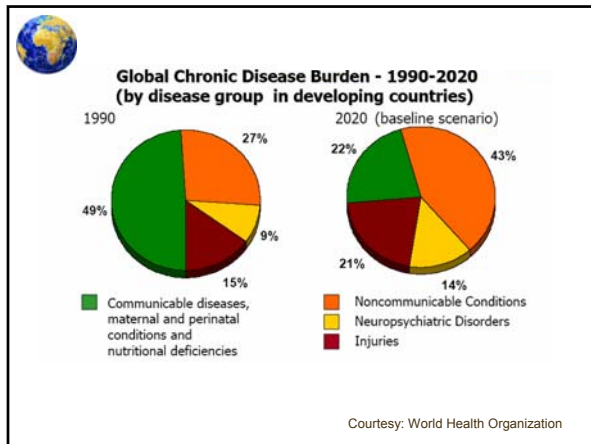
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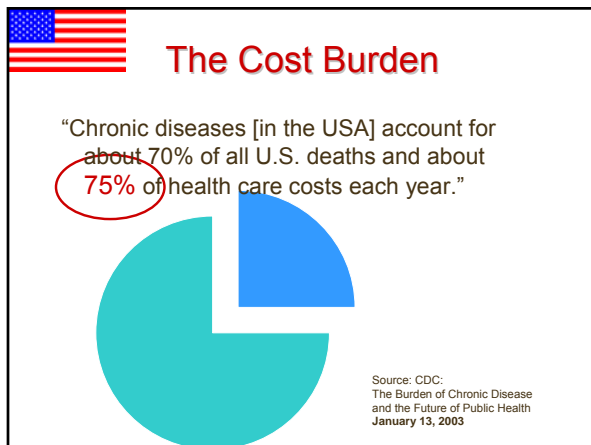
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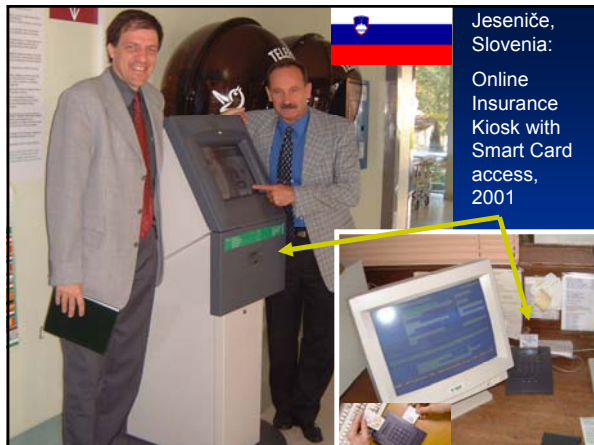
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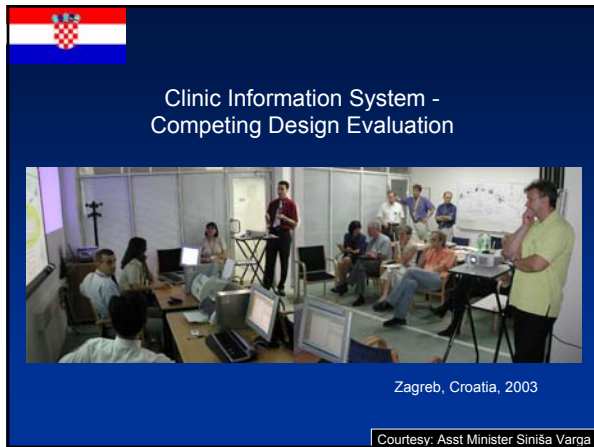
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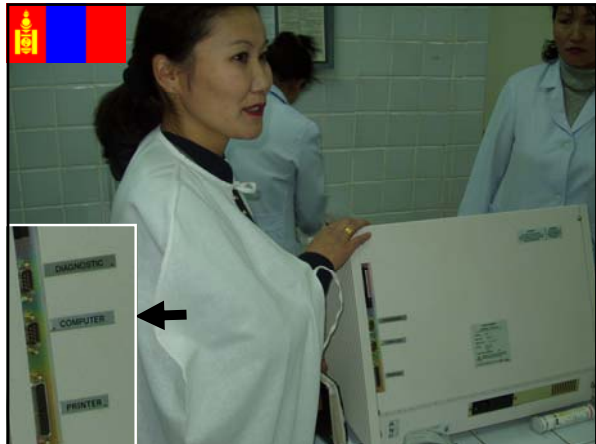
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Telemedicine Center, MOPH, Nonthaburi, Thailand, Feb 2001

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Tajikistan:  
Porud Health Center, 2003

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### HMIS Challenges in the World

1. Creating standards; encourage systems integration
2. Finding appropriate applications
3. Building high-technology capacity and literacy
4. Integrating the information flow; reducing redundant vertical programs information reporting
5. Assuring sustainability

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Aloha!  
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