Information Center for Decisions in Public Health

Transferring knowledge to the public health workforce, decision makers and to the general population
To contribute to the improvement of population’s health through the management, translation and dissemination of evidence based knowledge; promoting its use in policy and decision making, capacity building and the adoption healthy lifestyles
Objectives

- To provide **scientific knowledge** to different actors in the society in a timely and accessible fashion to **support decision making processes**, policy making, capacity building and adoption of healthy lifestyles.

- To apply **most up to date ICT** to the dissemination of translated knowledge and to the development of **information systems** useful in the planning, operation, monitoring and evaluation of health systems.
Our intended target

- Policy makers
  - Legislators and high level health officials
- Public Health workforce
  - Program managers and operators
- Private sector
- General Public
Knowledge management, translation and dissemination

• Institutional seminars
  – Special seminars for high rank officials in the public health sector

• Development of web-based applications
  – Knowledge management
  – Capacity building
  – Geographic Information Systems
    • Public Health surveillance
    • Public health infrastructure planning

• Printed materials
Institutional Seminars

• Carried out at the main building of Ministry of Health (Mexico DF)
  – To maximize attendance of High rank officials
  – Combining INSP areas of expertise and needs
    • Binging together experts from all over the world and decision makers in Mexico
    • Nutrition
    • HIV/AIDS
    • Safe antibiotic use
    • Health information systems performance
    • Maternal health and maternal mortality reduction
    • Quality of health services
Printed materials and press office

- Institutional magazine:
  - De Viva Voz, now Viva Salud

- Triptychs

- Press releases

- Media review
  - INSP
  - Public health
Web-based Applications: Knowledge management and dissemination
Web-based Applications: Capacity building
• Public health surveillance
  – Drinking water quality (residual chlorine)
  – Malaria
  – Dengue
  – Influenza A(H1N1)

• Public health infrastructure planning
  – Public sector master plan
**Health related data**
- Healthcare Infrastructure
- Hospital discharges
- Service demand
- Epidemiological Surveillance
  - Morbidity and Mortality

**Geographic data**
- Accessibility to healthcare infrastructure
- Roads
- Terrain and hydrology
- Health risk distribution
- Natural
- Related to human activities

**Demographics**
- Population and population growth projections
- Vital statistics
- Socio-demographic Indicators
  - Deprivation
  - Human development
Geographic Information Systems (GIS) are tools that facilitate integration of evidence to support decision making in public health.
Other Web based GIS applications

DENGUE SURVEILLANCE AND VECTOR CONTROL SYSTEMS
Geo-coding module
• WEB Application

• Data entry forms
  Enthomologic evaluation (Larvae infestation)

  Household quality index
GIS, Veracruz Estate
Mapa de Riesgos

Casos y Ovitrampas semana: [38 a la 40]
Merida City, Cases and Cluster
Risk
Interventions
Tendencia a la alza en lecturas registradas de enero 2011 a Marzo de 2012.
* Periodo de actualización
Other Web based GIS applications

PUBLIC HEALTH STRATEGIC PLANNING
Search Capabilities
Information by hospital, locality and municipality

- Urban areas
- Cachment areas
- Existing Infrastructure
Hospital occupancy
Catchment areas
Plan Maestro Sectorial de Recursos para la Salud

Egresos Hospitalarios

Tot_Egresos

Ver Principales Causas
Ver Principales Causas Sin Obstetricia
Ver por grupo de edad
Ver por tipo de Servicio
Egresos 2006
Egresos 2007
Ver Grupos de edad
Ver Servicios
Future Developments

• Capacity building
  • MPH in Biostatistics and Health Information Systems

• Set the basis for a unified epidemiological surveillance system in the region
  – Web-based GIS with distributed databases (one per country)
  – Replication a set of indicators for all the region
Plataforma Dengue

http://kin.insp.mx/aplicaciones/plataforma_dengue/