WHO and OIE Collaboration in Food Safety and Zoonoses

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Programme Manager Food Safety
WHO/Europe
Common Goal
Current Situation
One Health Approach
Accomplishments
Key Principles
Plans for the Future
COMMON GOAL
GOAL: HEALTH FOR ALL
SHARED REALITY: A TALL ORDER
60
Percent of the ~1,461 Human Diseases Caused by Zoonotic Pathogens

75
Percent of Emerging Infectious Disease that are Zoonotic

CURRENT SITUATION: EU

> 320,000
reported Human Cases Foodborne Zoonoses per year in EU*

ENOUGH TO FILL 4 OLYMPIC STADIUMS

REPORTED ZOONOSES: EU

Figure SU1. Reported notification rates of zoonoses in confirmed human cases in the EU, 2011

- Campylobacteriosis: (N = 220,209)
- Salmonellosis: (N = 95,548)
- VTEC: (N = 9,485)
- Yersiniosis: (N = 7,017)
- Listeriosis: (N = 1,476)
- Echinococcosis: (N = 781)
- Brucellosis: (N = 330)
- Trichinellosis: (N = 268)
- Tuberculosis caused by M. bovis: (N = 132)
- Rabies: (N = 1)

Note: Total number of confirmed cases is indicated in parenthesis at the end of each bar.

EFSA, ECDC (2013), p. 11
CURRENT SITUATION

Most Outbreaks Linked to Foodstuffs of Animal Origin*

*Source: EFSA, ECDC (2013), pp. 201, 204.
### CURRENT SITUATION (EU)

**Outbreaks**
- **5,648**

**Human Cases**
- **69,553**

**Hospitalisations**
- **7,125**

**Foodborne Disease Outbreaks 2011**

<table>
<thead>
<tr>
<th>Causative Agent</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Salmonella</em></td>
<td>1,501</td>
<td>26.6</td>
</tr>
<tr>
<td>Bacterial Toxins</td>
<td>730</td>
<td>12.9</td>
</tr>
<tr>
<td><em>Campylobacter</em></td>
<td>598</td>
<td>10.6</td>
</tr>
<tr>
<td>Viruses</td>
<td>525</td>
<td>9.3</td>
</tr>
<tr>
<td>Other Agents</td>
<td>113</td>
<td>2.0</td>
</tr>
<tr>
<td><em>E. coli</em>, pathogenic</td>
<td>63</td>
<td>1.1</td>
</tr>
<tr>
<td>Other bacterial agents</td>
<td>47</td>
<td>0.8</td>
</tr>
<tr>
<td>Parasites</td>
<td>31</td>
<td>0.5</td>
</tr>
<tr>
<td><em>Yersinia</em></td>
<td>17</td>
<td>0.3</td>
</tr>
<tr>
<td><strong>Unknown</strong></td>
<td>2,023</td>
<td>35.8</td>
</tr>
<tr>
<td><strong>EU TOTAL</strong></td>
<td>5,648</td>
<td></td>
</tr>
</tbody>
</table>

CURRENT SITUATION

Foodborne Pathogens Affect Both Humans & Animals

Contaminated Animal Feed
- Pet Foods (Melamine, *Salmonella*, *Listeria*)
- 15-30% *Salmonella* infections in pigs*

Food Animals as Pathogen Reservoirs
- Contamination of Food for Human Consumption
- Contaminated food can be of animal and non-animal origin

Widespread Effects
- Animal Illness (clinical or subclinical)
- Human Illness
- Antimicrobial Resistance

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Antibiotic use in one ecological compartment, such as food animal production, can have consequences for the resistance situation in another ecological compartment, such as public health.
Tackling antibiotic resistance from a food safety perspective in Europe
Issues of Food Safety & Zoonoses, Animal & Human Health TOO BIG for ANY ONE TO TACKLE
TEAM APPROACH
ONE HEALTH

Approach characterized by “the COLLABORATIVE efforts of MULTIPLE DISCIPLINES working locally, nationally, and globally, to attain OPTIMAL HEALTH for PEOPLE, ANIMALS, and [the] ENVIRONMENT”

ONE HEALTH

• Integrating Multiple Perspectives
• Combining Strengths & Resources
• Taking Joint Action
ONE HEALTH

OIE – WHO

COLLABORATION


OIE Regional Seminar
Belgrade, Serbia
15-17 October 2013
FRUITS of LABOUR: ACCOMPLISHMENTS
ACCOMPLISHMENTS

- Joint Expert Meetings & Workshops on AMR
  - FAO-OIE-WHO
  - Collaboration on Critical Antimicrobials Lists

- Joint Technical & Scientific Consultations
  - FAO-OIE-WHO
  - 2008, 2010
  - Avian Influenza
  - Zoonoses

- Joint Publications
  - Manual on Echinococcosis in Humans *(WHO-OIE, 2001)*
  - Brucellosis in Humans and Animals *(FAO-OIE-WHO, 2006)*
  - Guidelines ... Control of Trichinellosis *(FAO-OIE-WHO, 2007)*
  - Technical Update: Avian Influenza H5N1 *(FAO-OIE-WHO, 2011)*
ACCOMPLISHMENTS

Joint FAO, OIE, and WHO Statement on Rabies Elimination

“Different sectors and disciplines need to collaborate closely, and World Rabies Day is an opportunity to establish or strengthen these links”

“FAO, OIE and WHO are working together to raise global awareness and commitment to step-up the fight against rabies”
ACCOMPLISHMENTS

Tripartite Concept Note

FAO-OIE-WHO, 2010

“Sharing responsibilities and coordinating global activities to address health risks at the anima-human ecosystems interfaces”
ACCOMPLISHMENTS

Tripartite Concept Note

- Framework for Inter-Organization Collaboration
- Harmonization of
  - Normative work
  - Public Communication
  - Pathogen Detection
  - Risk Assessment & Management
  - Data Sharing & Research Development
ACCOMPLISHMENTS

GLEWS

Global Early Warning & Response System for Major Animal Diseases Including Zoonoses

www.glews.net

• Established in 2006
• Integrate Alert & Response Systems
• Coordinate Alert Verification
• February 2013: GLEWS+
ACCOMPLISHMENTS

INFOSAN
The International Food Safety Authorities Network

FAO-WHO Initiative
Global Network

181 Member States

Ea. State has Contact Point
National-International Communication

Aims
Rapid Info Exchange During Food Safety Events
Promote Inter-Country Collaboration
Help Countries Strengthen Capacity

http://www.who.int/foodsafety/fs_management infosan/en/
ACCOMPLISHMENTS

CODEX ALIMENTARIUS

International Food Safety Standards

FAO-WHO Initiative

Standards, Guidelines, Codes of Practice
Free, Public Information

International Food Trade Safety, Quality, Fairness

Codex Members Cover 99% of World Population
186 Codex Members
220 Codex Observers

Codex Trust Fund Assistance

Make a Wish!
CODEX is 50!

http://www.codexalimentarius.org/about-codex/en/
ESSENTIAL INGREDIENTS
ESSENTIAL INGREDIENTS

Trust
ESSENTIAL INGREDIENTS

Communication
ESSENTIAL INGREDIENTS

Conflict Resolution
Mutual Benefits & Reciprocity:
Keeping the Common Goal in Mind
NEXT ON THE MENU
Next on the Menu

Collaboration on All Levels: International-Regional-National-Local
NEXT ON THE MENU

Health 2020: The European Strategy for Health & Well-Being
“Expanding interdisciplinary and intersectoral collaboration between human, environmental and animal health enhances public health effectiveness.”

“The aims of Health 2020 will be achieved through a combination of individual and collective efforts.”
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BON APPÉTIT