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ECONOMIC COMMISSION FOR EUROPE

**WORLD HEALTH ORGANIZATION
REGIONAL OFFICE FOR EUROPE**

MEETING OF THE PARTIES TO THE
PROTOCOL ON WATER AND HEALTH
TO THE CONVENTION ON THE PROTECTION
AND USE OF TRANSBOUNDARY
WATERCOURSES AND INTERNATIONAL
LAKES

Working Group on Water and Health

First meeting
Geneva, 26–27 June 2008
Item 5 of the provisional agenda

SURVEILLANCE AND EARLY-WARNING SYSTEMS, CONTINGENCY PLANS
AND RESPONSE CAPACITIES

QUESTIONNAIRE ON WATER-RELATED DISEASES SURVEILLANCE

Note by the Chairperson of the Task Force on Surveillance

Introduction

1. This questionnaire was prepared by the Task Force on Surveillance at its first meeting (Rome, 24–25 September 2007) (see ECE/MP.WH/WG.1/2008/3 - EUR/08/5086340/7).

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2. It aims at assessing the current capacity for water-related diseases surveillance system in the UNECE countries, and in particular in Parties to the Protocol. The questionnaire has been hosted in electronic format on a protected section of the Italian National Institute of Health website (<http://cms2.iss.it/>) since the end of February 2008. The questionnaire (see annex), as well as information on registration, access and compiling, have been sent to the Protocol's national focal points. The questionnaire requests information on the surveillance of diseases which can be transmitted through water (e.g. priority, emerging locally important diseases, organization of the surveillance systems, laboratory capacity to detect pathogenic micro-organisms, public information on the importance of water-related diseases, outbreak detection, capacity of response, training, databases and mapping/GIS¹ resources).

3. The information collected through the questionnaire is especially important for the activities of the Task Force on Surveillance and for the implementation of the relevant programme of work adopted at the first meeting of the Parties to the Protocol (see ECE/MP.WH/2/Add.5 - EUR/06/5069385/1/Add.5). The information gathered will be used to prepare an up-to-date review of the state of the art of surveillance systems of water-related diseases in the UNECE region, which can be used to estimate the burden of water-related diseases in the region and to identify critical areas situations. It will also be of help to define assistance programmes and training activities.

4. The Working Group is invited to facilitate replies to the questionnaire by all UNECE countries, and in particular by all Parties to the Protocol.

¹ Geographic information systems.

Annex

QUESTIONNAIRE ON WATER-RELATED DISEASES SURVEILLANCE

COMPLETED QUESTIONNAIRES ARE TO BE RETURNED TO:

Dr. Enzo Funari
Istituto Superiore di Sanità
Via Regina Elena 299
Istituto Superiore di Sanità
299 Viale Regina Elena
00161 - Roma (I)
E-mail: enzo.funari@iss.it

IDENTIFICATION OF THE RESPONDENT:

Respondent:

Address:

Institute:

Street, number:

Postal code, city:

Country:

Telephone:

Fax:

E-mail:

Website:

Date of completion of the questionnaire:

I. GENERAL

1.1. *Is there mandatory surveillance for any diseases in your country?*

Yes

No

1.2 *If yes, does it cover the following water-related diseases?*

Priority diseases		Emerging diseases	
Cholera	<input type="checkbox"/>	Campylobacteriosis	<input type="checkbox"/>
Enterohaemorrhagic E. coli	<input type="checkbox"/>	Cryptosporidiosis	<input type="checkbox"/>
Shigellosis/bacillary dysentery	<input type="checkbox"/>	Giardiasis	<input type="checkbox"/>
Typhoid fever	<input type="checkbox"/>	Legionellosis	<input type="checkbox"/>
Viral hepatitis A	<input type="checkbox"/>		

1.3. *Are there additional surveillance programmes for specific water-related diseases that are locally important, such as?*

Blue baby syndrome	<input type="checkbox"/>
Arsenicosis	<input type="checkbox"/>
Viral infections, particularly norovirus	<input type="checkbox"/>
Parasitic diseases	<input type="checkbox"/>
Others (please specify)	<input type="checkbox"/>

II. SURVEILLANCE: STRUCTURE, COORDINATION AND REPORTING

2.1. *Is there a mandatory surveillance and reporting system for water-related diseases in your country?*

Yes

No

2.2. *If yes, please provide a short textual description of the operation of the mandatory surveillance system composition, function and links to various sectors, including laboratories:*

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2.3. *Is there a surveillance coordination body at the national level?*

Yes No

2.4. *Is there a standardized surveillance form provided by the central level collecting communicable disease surveillance data?*

Yes No

2.5. *Is the possible vehicle of infection (water, foods, etc.) considered on the notification form?*

Yes No

2.6. *Is there a specific reporting form for the following water-related diseases, which allows later confirmation of the exposure route?*

	Priority diseases		Emerging diseases	
	Yes	No	Yes	No
Cholera	<input type="checkbox"/>	<input type="checkbox"/>	Campylobacteriosis	<input type="checkbox"/>
Enterohaemorrhagic E. coli	<input type="checkbox"/>	<input type="checkbox"/>	Cryptosporidiosis	<input type="checkbox"/>
Shigellosis/bacillary dysentery	<input type="checkbox"/>	<input type="checkbox"/>	Giardiasis	<input type="checkbox"/>
Typhoid fever	<input type="checkbox"/>	<input type="checkbox"/>	Legionellosis	<input type="checkbox"/>
Viral hepatitis A	<input type="checkbox"/>	<input type="checkbox"/>		

2.7. Are potential environmental sources responsible for water contamination investigated or reported in the notification form?

Yes No

III. CASE CONFIRMATION

3.1. Is case confirmation mandatory by laboratory analysis for the following water-related diseases?

	Priority diseases		Emerging diseases	
	Yes	No	Yes	No
Cholera	<input type="checkbox"/>	<input type="checkbox"/>	Campylobacteriosis	<input type="checkbox"/>
<i>Enterohaemorrhagic E. coli</i>	<input type="checkbox"/>	<input type="checkbox"/>	Cryptosporidiosis	<input type="checkbox"/>
Shigellosis/bacillary dysentery	<input type="checkbox"/>	<input type="checkbox"/>	Giardiasis	<input type="checkbox"/>
Typhoid fever	<input type="checkbox"/>	<input type="checkbox"/>	Legionellosis	<input type="checkbox"/>
Viral hepatitis A	<input type="checkbox"/>	<input type="checkbox"/>		

3.2.a. Is there a national laboratory capability to confirm the aetiological agents of the following water-related diseases?

	Priority diseases		Emerging diseases	
	Yes	No	Yes	No
Cholera	<input type="checkbox"/>	<input type="checkbox"/>	Campylobacteriosis	<input type="checkbox"/>
Enterohaemorrhagic E. coli	<input type="checkbox"/>	<input type="checkbox"/>	Cryptosporidiosis	<input type="checkbox"/>
Shigellosis/bacillary dysentery	<input type="checkbox"/>	<input type="checkbox"/>	Giardiasis	<input type="checkbox"/>
Typhoid fever	<input type="checkbox"/>	<input type="checkbox"/>	Legionellosis	<input type="checkbox"/>
Viral hepatitis A	<input type="checkbox"/>	<input type="checkbox"/>		

3.2.b. *If yes, list aetiological agents detected by routine laboratory analysis:*

	Priority diseases		Emerging diseases	
	Yes	No	Yes	No
Vibrio cholerae	<input type="checkbox"/>	<input type="checkbox"/>	Campylobacter	<input type="checkbox"/>
			(<i>C. coli</i> , <i>C. jejuni</i> , <i>C. laridis</i> , <i>C. upsaliensis</i>)	<input type="checkbox"/>
Enterohaemorrhagic Escherichia coli (EHEC)	<input type="checkbox"/>	<input type="checkbox"/>	Campylobacter	<input type="checkbox"/>
			(<i>C. fetus</i> , <i>C. hyointestinalis</i> , <i>C. concisus</i> , <i>C. mucosalis</i> and <i>C. sputorum</i>)	<input type="checkbox"/>
Shigella spp.	<input type="checkbox"/>	<input type="checkbox"/>	Cryptosporidiosis parvum	<input type="checkbox"/>
Salmonella typhi	<input type="checkbox"/>	<input type="checkbox"/>	Giardia lamblia/ G. duodenalis	<input type="checkbox"/>
Salmonella paratyphi	<input type="checkbox"/>	<input type="checkbox"/>	Legionella pneumophila	<input type="checkbox"/>
Viral hepatitis A	<input type="checkbox"/>	<input type="checkbox"/>	Others (Please specify)	<input type="checkbox"/>

IV. PUBLIC INFORMATION

4.1 *Is there a public awareness programme on the importance of water-related diseases and the relationship between water hygiene and health?*

Yes No Unknown

4.2 *Is there an integrated information system, accessible to the public, about long-term trends, current concerns and successfully handled past problems in water and health?*

Yes No Unknown

4.3 *Is there an information system on rights and entitlements to water?*

Yes No Unknown

5.1.c. *Action threshold – has an action threshold been defined for the following diseases and, if so, what is the threshold value?*

Disease	Threshold defined			
	<i>Yes</i>	<i>If yes, value</i>	<i>No</i>	<i>Unknown</i>
Cholera	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
EHEC	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Shigellosis	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Typhoid fever	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Viral hepatitis A	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Campylobacteriosis	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Cryptosporidiosis	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Giardiasis	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Legionellosis	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Others	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

7.2. *Is information related to the emergency adequately provided to the people?*

Yes No

VIII. CAPACITY OF RESPONSE

8.1. *Has the central-level or local authority the ability to start intervention measures within 48 hours of notification?*

Diseases	Yes	No	If no, indicate average response time
Cholera	<input type="checkbox"/>	<input type="checkbox"/>	
EHEC	<input type="checkbox"/>	<input type="checkbox"/>	
Shigellosis	<input type="checkbox"/>	<input type="checkbox"/>	
Typhoid fever	<input type="checkbox"/>	<input type="checkbox"/>	
Viral hepatitis A	<input type="checkbox"/>	<input type="checkbox"/>	
Campylobacteriosis	<input type="checkbox"/>	<input type="checkbox"/>	
Cryptosporidiosis	<input type="checkbox"/>	<input type="checkbox"/>	
Giardiasis	<input type="checkbox"/>	<input type="checkbox"/>	
Legionellosis	<input type="checkbox"/>	<input type="checkbox"/>	
Others	<input type="checkbox"/>	<input type="checkbox"/>	

IX. TRAINING

9.1. *Has your country foreseen periodic training courses on surveillance systems?*

Yes No

9.2 *Are water-related diseases addressed by the training courses?*

Yes No

9.3 *Is international support needed for such training courses?*

Yes **No**

X. DATABASES AND MAPPING/GIS RESOURCES

10.1. *Is the central computerized database available for the cases and outbreaks of water-related diseases?*

Yes **No**

10.2. *Is a geographical information system (GIS) used within your sector?*

Yes **No** **Partially**

10.3. *Has your country foreseen periodic training courses on GIS?*

Yes **No**
