EUROHEP.NET



Results of the EUROHEP.NET feasibility survey

H. Blystad¹, Eurohep.net team²

¹ Norwegian institute of Public Health, Oslo ² University of Antwerp, Belgium

Age specific incidence of

reported hepatitis A cases

No data available

1991 1992 1994 1995 1996 1998 1998 1999 1999 1999

COUNTRY CHARACTERISTICS¹ 4514000

- Total population:
 GDP per capita (Intl \$, 2001):
- 36.460 76.4-81.7
- GDP per capita (Intl #, 2001).
 Life expectancy at birth m/f (years): 7
 Health expenditure capita (Intl \$, 2001):
 Health expenditure as % of GDP (2001): 2,92 8.0

OBJECTIVES and METHODS

Incidence of reported hepatitis A cases

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Incidence

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The EUROHEP.NET project is a EU concerted action, supported by the Quality of Life Programme of the fifth framework of the European Community for research. This project addresses issues related to surveillance and prevention of hepatitis A and B in the EU countries, Associated States and Israel. The overall goal is to study the feasibility of a future network on surveillance and prevention and to facilitate the progress of these countries towards enhanced control of hepatitis A and B.

EPIDEMIOLOGY²

Unknowr Imported Domestic

Early 2003, EUROHEP.NET sent a feasibility survey to all participating countries to take stock of the country-specific surveillance and prevention activities for hepatitis A and B. The first achievement of this EU concerted action is to provide in a standardized/comparative way an overview of the different surveillance systems, epidemiology, burden of disease and prevention programmes for these infectious diseases

● 0-<1 ● 1-4 ● 5-14 ● 15-24 ● 25-44 ● 45-64 ● 65+





National Surveillance System: continuous analysis of the reported cases

CASE DEFINITION

An own case definition is used nation wide:

1990 1991 1995 1995 1997 1998 1999 1999 2000 2000

- aboratory confirmed case with detection of antibodies compatible with recent infection or clinical picture compatible with Norway is in process of changing the case definitions for notifiable diseases in accordance with EC definitions.

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• Definition of an outbreak: 2 or more epidemiologically linked cases or unexpected number of reported cases among risk groups.

BURDEN OF DISEASE³

Acute hepatitis A	1997	1998	1999	2000	2001
Hospitalised cases/100 000 inhabitants					
Hospitalisation days per case					
Deaths					
Mortality (total number of deaths per 100 000)					
Total number of liver transplants not hep A specific					

Outbreaks of hepatitis A: 1997-2001: a major nationwide outbreak occured among drug users between 1995-2000.

PREVENTION by active immunisation⁴

Risk group programmes	Available since	
injecting drug users	1999	
men who have sex with men	no	
international travellers to endemic areas	yes	
chronic liver disease patients	1994	
clotting factors disorder patients	1994	
medical and paramedical personnel in hospitals including kitchen staff and cleaners	no	
people residing in areas of extended community outbreaks	no	
pre-school children attending day care centres	no	
day care centre personnel	no	
residents and staff of closed communities (Psychiatric Institutions and Institutions for mentally disabled)	no	
refugees residing in temporary camps	no	
food-service establishment workers/food handlers	no	
household contacts of infected persons	no	
children of migrants visiting an endemic country of origin	yes	
other risk groups	no	

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COMMENTS

- Norway is considered a low endemic country for hepatitis A, although in the late 1990's the disease is considered endemic among drug users. A prevalence study among drug users in Oslo carried out in 2003 showed anti-HAV IgG in 61% of the tested.
- Surveillance is passive.
- Immunoglobulins alone are given for individual post exposure prophylaxis. Both immunoglobulins and vaccination are used for post exposure outbreak control.
- There is no universal vaccination program against hepatitis A.

FOOTNOTES

- 1. Country characteristics: www.who.int/country/en/ Figures are for 2002 unless indicated. Source: the World health report 2003, derived April 2004.
- 2. Age specific incidences are not available but could be analysed
- 3. Data on hospital admission and hepatitis A related mortality are not available. The amount of liver transplantations that are performed is unknown.
- 4. Specific risk groups (drug users, chronic liver disease patients and clotting factor disorder patients) are offered free vaccination regardless of an outbreak. During outbreaks, defined risk groups (e.g. men who have sex with men) are offered vaccination free of charge