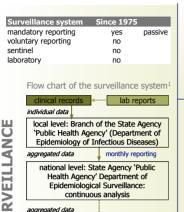


Surveillance, epidemiology and prevention of Hepatitis B in Latvia

Results of the EUROHEP.NET feasibility survey

- I. Jansone¹, E. Pujate¹, Eurohep.net team²
- 1 State agency 'Public Health Agency',
- Dent of Enidemiological Surveillance and Infectious diseases, Riga
- ² University of Antwerp, Belgium

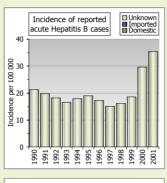


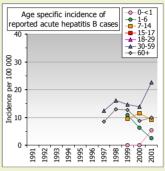
OBJECTIVES and METHODS

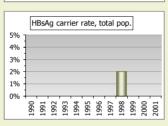
The EUROHEP.NET project is a concerted action, supported by the Quality of Life Programme of the fifth framework of the European Community for research. This project addresses issues related to surveillance and prevention of hepatitis A and B in the EU countries, Associated States and Israel. The overall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

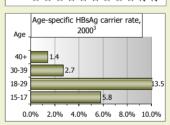
Early 2003, EUROHEP.NET sent a feasibility survey to all participating countries to take stock of the country-specific surveillance and prevention activities for hepatitis A and B. The first achievement of this EU concerted action is to provide in a standardized/comparative way an overview of the different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

EPIDEMIOLOGY²









CASE DEFINITION · An own hepatitis B case definition is used:

aggregated data

• Probable: clinical picture compatible with

Ministry of Health

- hepatitis (e.g. discrete onset of symptoms and jaundice or elevated serum aminotransferase
- Confirmed: clinical case definition and laboratory confirmation (IgM antibody to antiHBc or HBV nucleic acid in serum).

BURDEN OF DISEASE⁴

Hepatitis B	1997	1998	1999	2000	2001
Acute hepatitis B: Hospitalised cases/100000					
Acute hepatitis B: Hospitalisation days per case					
Chronic hepatitis B: Hospitalised cases/100000					
Chronic hepatitis B: Hospitalisation days per case					
Total: Hospitalised cases/100000					
Total: Hospitalisation days per case					
Deaths	3	3		0	1
Mortality (total number of deaths per 100 000)	0.12	0.12		0.00	0.04
Cirrhosis cases					
Total number of patients with hepatocellular cancer					
Total number of liver transplants not hep B specific	0	0	0	0	0

COMMENTS

- Surveillance in Latvia is passive.
- Hepatitis B is considered to be low endemic in Latvia.
- Sero-epidemiological study was performed in 2000 on pregnant women, military persons and boarding-school pupils.
- Universal vaccination is performed for newborns.
- All persons with defined occupational risk and haemodialysis patients must be vaccinated.
- It was planned to vaccinate orphans in 2004 additional to all other risk groups, but due to a lack of resources this measure has been
- Cost of hepatitis B vaccine: private pediatric dose: 11€ (Engerix B) and 9.2€ (Euvax); public pediatric use: 2.0€ (Engerix B)

PREVENTION by active immunisation

starting in	starting at age	schedule	coverage rate 2001
1977			
1997	0-12 hour	0,1,6-8	96%
	in 1977	in at age	in at age

* mandatory vaccination

Risk group programmes	available (since)	booster	reimbursed
injecting drug users	no		no
men who have sex with men	no		no
attendees of STI clinics	no		no
dialysis patients*	1999		yes
groups with occupational risk*	2002		yes
household contacts of known hepatitis B carriers	2001		yes
hospitalised patients	no		no
neonates born to HBsAg positive mothers*	1997		yes
other	no		
* mandatory vaccination			-

FOOTNOTES

- 1. Each branch of State agency "Public Health Agency" performs epidemiological investigation of each hepatitis B case and outbreak investigation, collects, stores and analyses the data. They are responsible for monthly reporting to National level of State agency "Public Health Agency" data about registered cases of infectious diseases by filling in the standard form (form N.1 "Monthly (annual) report on several infectious and parasitic diseases"). This form includes: total number of cases; cases with exitus letalis; distribution of cases according to age groups; intra-hospital hepatitis B cases.
- 2. Sources of epidemiological data: According to the Cabinet Regulations, clinicians of every healthcare facility have to report to the Local level (branch of the State agency 'Public health Agency') about every suspected single case, laboratory confirmation of diagnosis, final diagnosis and outcome of infectious disease.
- 3. Include data from 2000. Only 3 groups of population are included in this study: pregnant women, military people, boarding school pupils.
- 4. Data sources on hospital admission and mortality are official notification and epidemiological investigation. For the hospital admission data, hepatitis B data are not collected at National level. The number of hospitalisation days is not recorded.

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