



Viral Hepatitis

WHO Regional Office for Europe
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What is Hepatitis?

- Hepatitis is a viral infection that causes inflammation of the liver
- There are five main types of viral hepatitis: A, B, C, D, E
- Hepatitis A and E are typically caused by ingestion of contaminated food or water
- Hepatitis B, C and D are typically caused by contact with contaminated blood or body fluids
- In particular viral hepatitis types B and C lead to chronic disease in hundreds of millions of people and, together, are the most common cause of liver cirrhosis and cancer
- About 1 million people die each year from causes related to viral hepatitis

Global Burden of Hepatitis B and C

- The global burden of disease due to acute hepatitis B and C, and cancer and cirrhosis of the liver, accounts for about 2.7% of all deaths. This is expected to increase further in the next two decades
- An estimated 57% of liver cirrhosis and 78% of primary liver cancer are due to hepatitis B virus (HBV) or hepatitis C virus (HCV) infection
- In total, about 2 billion people have been infected with HBV; about 600 000 people die each year due to the consequences of hepatitis B
- About 150 million people are chronically infected with HCV (about 10 times higher than HIV estimates); more than 350 000 people die each year from hepatitis C-related liver diseases

Main transmission modes hepatitis B and C virus

- Hepatitis B virus (HBV):
 - Sexual contact
 - Mother-to-child transmission
 - Blood-to-blood contact by unsafe injecting practices, blood transfusion, unsterile medical equipment (HBV is an important occupational hazard for health workers)
- Hepatitis C virus (HCV):
 - Blood-to-blood contact by **unsafe injecting practices** (main transmission mode in the WHO European Region), blood transfusion, unsterile medical equipment
 - Sexual contact (less common)



 *Both HBV and HCV are many more times infective than HIV*

Treatment of hepatitis B and C

- Usually, acute infection with hepatitis B or C does not require treatment
- Combination antiviral therapy has been the mainstay of treatment for chronic hepatitis B and C
- Treatment remains poorly accessible and too costly for many of those in need. Also, poor response to the treatment, problems with adherence, and intolerance to the medicines result in low numbers of people on treatment
- New and effective medications are becoming available



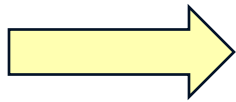
WHO response to the epidemic

- In 2010, Resolution WHA63.18 was adopted at the World Health Assembly, calling for a comprehensive approach to the prevention and control of viral hepatitis
- Recent publications:
 - Guidance on prevention of viral hepatitis B and C among people who inject drugs (2012)
 - Prevention & Control of Viral Hepatitis Infection: Framework for Global Action (2012)
- Publication to be launched on World Hepatitis Day:
 - Global Hepatitis Policy Report (2013)
- Upcoming publications (expected in 2014):
 - Guidance on the surveillance of hepatitis B and C
 - Guidance on the treatment of Hepatitis C



28 July 2013


World Hepatitis Day



To increase awareness and understanding of viral hepatitis and the diseases that it causes

WHO Regional Office for Europe HIV/AIDS, STIs and Viral Hepatitis Programme

www.euro.who.int/hepatitis



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WHO/Europe home page

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Data and evidence, health topics, events

What we publish
Books, fact sheets, press releases, reports

Who we are
About us, our partners and networks

Hepatitis

[What we do](#) ▲
[Health topics](#) ▲
[Communicable diseases](#) ▲
Hepatitis
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[Policy](#)
[Activities](#)
[Country work](#)
[Facts and figures](#)
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Hepatitis is an inflammation of the liver, most commonly caused by a viral infection. There are five main hepatitis viruses that cause acute

News

Hepatitis B and C infect one in fifty adults in European Region
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