Epidemiology of viral hepatitis

- Iceland -

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Hepatitis Surveillance

- Reportable Diseases (personal identifiers)
  - Hepatitis A
  - Hepatitis B
  - Hepatitis C
  - Hepatitis D and E
  - Not been diagnosed
Hepatitis Surveillance

- **Passive surveillance (acute/chronic)**
  - Hepatitis A
  - Hepatitis B
  - Hepatitis C

- **Active surveillance (chronic)**
  - Hepatitis B
  - Hepatitis C
Hepatitis A
- epidemiology -

Acute hepatitis A

![Graph showing the incidence of acute hepatitis A from 1985 to 2011. The x-axis represents the year, and the y-axis represents the number per 100,000 inhabitants. The graph shows a peak in incidence in 1987 and a decline over time.]
Hepatitis A (acute)
- risk categories -

- Travellers: 45%
- Unknown: 24%
- IVDA: 15%
- Foreigners: 12%
- Immigrants: 5%
- Heteros. cont: 1%
Hepatitis A (acute)
- age distribution -

<table>
<thead>
<tr>
<th>Agegroups (years)</th>
<th>Males</th>
<th>Females</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-9</td>
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<td>10-19</td>
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<td>20-29</td>
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<td>30-39</td>
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<td>40-49</td>
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<td>50-59</td>
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<td>60-69</td>
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<td>70+</td>
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</tbody>
</table>

Number of cases

Sóttvarnir
Centre for Health Security and Infectious Disease Control
Hepatitis B
- epidemiology -

Acute and chronic hepatitis B

- number per 100,000 inhabitants
- number
- year

[Graph showing the incidence of acute and chronic hepatitis B from 1985 to 2011]
Hepatitis B (acute and chronic) - age distribution -
Hepatitis B (chronic and acute) - epidemiology -

Number of cases

Year


- Immigrants
- "Native"
Hepatitis B
- incidence -

Chronic cases per 100,000

Acute cases per 100,000

year


Chronic  Acute

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Centre for Health Security and Infectious Disease Control
Hepatitis B (chronic and acute) - risk categories -

- HCW
- Homos. contact.
- Mother to child
- Heteros. Contact
- Haemophiliacs
- Blood recipients
- IVDA
- Unknown

%
Hepatitis B

- Genotype D
  - 65%
- Genotype A
  - 30%
Hepatitis C
- epidemiology -

**Chronic hepatitis C**

- Graph showing the number of hepatitis C cases from 1986 to 2011.

- The x-axis represents the years from 1986 to 2011.

- The y-axis represents the number per 100,000 inhabitants.

- The graph shows a peak in the number of cases around 1994, followed by a decline in subsequent years.
Hepatitis C (chronic) - age distribution -

- age groups (years):
  - 0-4
  - 10-14
  - 20-24
  - 30-34
  - 40-44
  - 50-54
  - 60-64
  - 70-74
  - 80-84

- number of cases:
  - Males
  - Females
Hepatitis C (chronic) - risk categories -

- HCW
- Homos. contact.
- Mother to child
- Heteros. Contact
- Haemophiliacs
- Blood recipients
- IVDA
- Unknown

%
Hepatitis C (chronic) - epidemiology -

Number of cases

immigrants
“natives”

year
1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011
0 20 40 60 80 100 120
Hepatitis C

- Genotype 1a
  - 58%
- Genotype 3a
  - 38%
- Genotype 1b
  - 2.5%
Thank you