Edinburgh International Conference of Medicine

Past, Present & Future

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Alcohol abuse in young population: how to solve the problem and The Netherlands model

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Reinier de Graaf Hospital, Delft, the Netherlands
Grants: Ministry of Health, Welfare and Sport, DSW, Health insurance company
Number of hospital admissions in Delft a year
History

Delft 2001 - 2007

- Younger
- Girls
- At home
- Drinking habit different
- Blood levels higher
• Dutch Pediatric Surveillance System (NSCK)
• Prevention Intervention System
AIM

Primary goals

1. Stop the huge increase of children, who are admitted because of alcohol intoxication, in all Dutch Hospitals.

2. Increase the mean age of those admitted children.

Secondary goal

3. Explore the relation alcohol abuse and safety and local government policies.
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• Dutch Pediatric Surveillance System (NSCK)
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Results NSCK Nationwide

- General and demographic
- Info of the hospitalization
- Background of the patient
Meer jongeren in ziekenhuis door alcohol
Ziekenhuisopnames bij minderjarigen als gevolg van alcoholgebruik

2007: 297
2008: 337
2009: 500
2010: 684
2011: 762
2012: 706
2013: 713
2014: 783
2015: 931

Gemaakt met Localfocus
Bron: Universiteit Twente, Nederlands Instituut voor Alcoholbeleid STAP, Reinier de Graaf Groep

Total number of alcohol intoxicated adolescents admitted in all Dutch Hospitals in 2007 – 2015.
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Attitude of the parents

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- Geen toestemming
- Toestemming bij speciale gelegenheden
- Wel toestemming

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Attitude of the parents
Mean age at admission (yr)
Mean duration of coma (hr)
Type of school level..... represents society
• Dutch Pediatric Surveillance System (NSCK)
• Prevention Intervention System
Prevention Intervention System

- Collaboration Pediatric and Neuropsychological activities
- Uncover underlying pathology
- Prevent repetition of admission
- Transfer of knowledge to child and parents
- Investigates damage of alcohol on the brain
Primary Aims program

- Keep the recurrence risk of admission as low as possible
- Induce behavioral change in Youth
- Induce behavioral change in Parents
- Signal psychological and psychiatric problems
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Results P.I.S. Nationwide
Primary Aims program

- Recurrence risk of admission: 3 %
- Behavioral change in Youth: 85 %
- Behavioral change in Parents: 82 %
- Signal psychological and psychiatric problems: 89 %
Results In Toto
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Summary

- **Dutch Pediatric Surveillance system**
  
  Alcohol intoxication among adolescents still is a problem.

- Prevention Intervention system
  
  In the Netherlands, special policlinics for children with alcohol intoxication have already been established and are successful.
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For further information…
Contact information

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Thank you for your attention