



WHO Collaborating Centre  
for Evidence-Based Health Promotion in Hospitals  
Bispebjerg University Hospital



# Smoking Cessation Database

## How to develop an international clinical quality database

Mette Rasmussen, National Coordinator  
Hanne Tønnesen, Head of Research and Centre



WHO Collaborating Centre  
for Evidence-Based Health Promotion in Hospitals  
Bispebjerg University Hospital



# Aim



To share our experiences on

- developing a clinical quality database
- securing a smooth transition from national to international database.



# Background



- A national Smoking Cessation Database (SCDB) has been well established
  - External monitoring and evaluation for assessment and improvement of the quality
  - Web-based input environment
  - Two scientific articles
    - Olsen KR et al. Cost-effectiveness of the Danish smoking cessation interventions: subgroup analysis based on the Danish Smoking Cessation Database; Eur J Health Econ. 2006;7:255-264 (e-pub 2005)
    - Kjær NT et al. The effectiveness of nationally implemented smoking interventions in Denmark; Prev Med 2007;45:12-14

# Scientific papers

## 3,628 smokers (2001-2003)



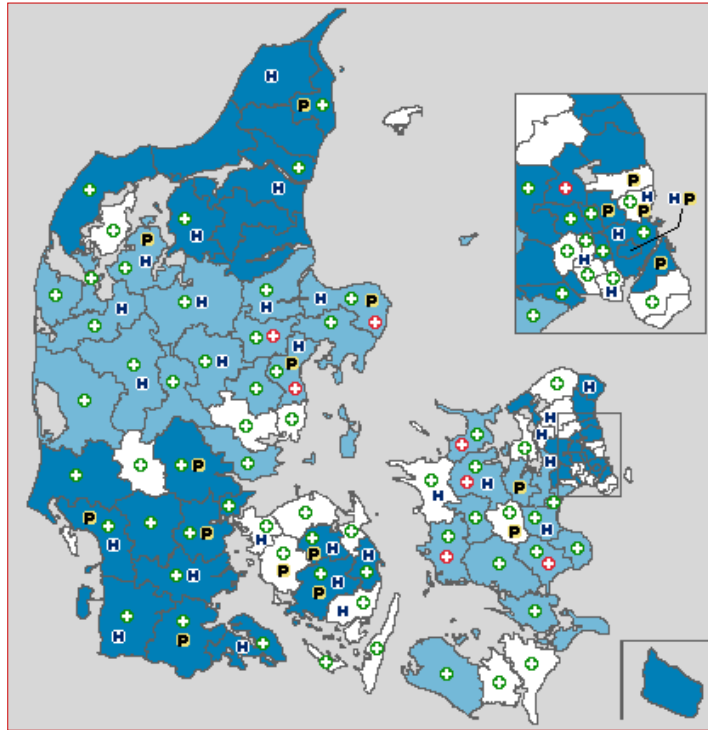
### Ex-smokers 12 months after intervention

- Over all 31%

- |                     |  |
|---------------------|--|
| 32% - Men           | 30% - Women                                  |
| 33% - Light smokers | 29% - Heavy smokers                          |
| 32% - 55+ years old | 31% - 35-54 years old<br>25% - <35 years old |
| 38% - Hospital      | 25% - Pharmacy                               |

- Main conclusion: Smoking Cessation is cost effective for all analysed subgroups.

# Participation - May 2008



- 372 cessation units throughout Denmark
- > 46.000 smokers registered in the database
- Norway joined in 2005



WHO Collaborating Centre  
for Evidence-Based Health Promotion in Hospitals  
Bispebjerg University Hospital



# Preparing for international corporation



- Pilot country
- User facilities
- International technique
- International ethical conditions



# Methods



- In cooperation with ENSH (European Network of Smoke-free Hospitals) we have an ongoing project of
  - Evaluation and comparison of the strengths and weaknesses of smoking cessation databases in EU and other countries
  - Creation of a model for smoking cessation databases, based on international quality criteria, best practices and recommendations



# Results

## International cooperation



- Norway as pilot country
  - Translation of templates and information material
  - Internet access to the SCDB
  - Agreement on international standards and indicators
  - Establishment of national follow-up procedures
- User friendly input environment incl. reporting
- Technique / software
  - Norwegian personal identification numbers, addresses, zip-codes and phone numbers
- Security and ethical approval
  - Written informed consent in national language
  - Danish Data Protection Agency for international affairs



# Results: Relevance



SCDB is the first database to be used for

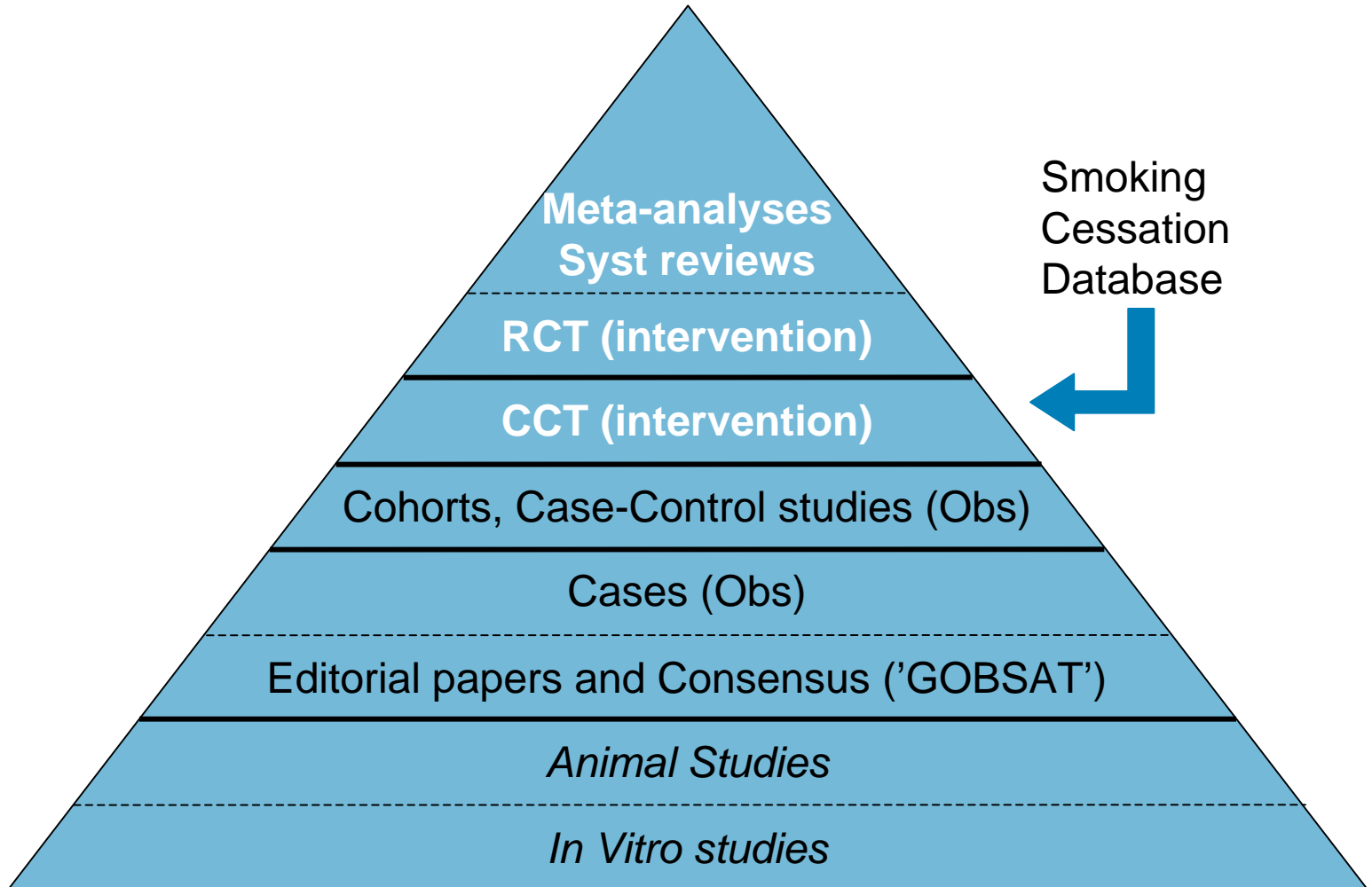
- Hospitals and Health Services
- Medical records, documentation, visibility, projects and research
- Evidence-based intervention and new treatment as well as alternative treatment



WHO Collaborating Centre  
for Evidence-Based Health Promotion in Hospitals  
Bispebjerg University Hospital



# Results: Evidence Pyramid





# Results: Communication



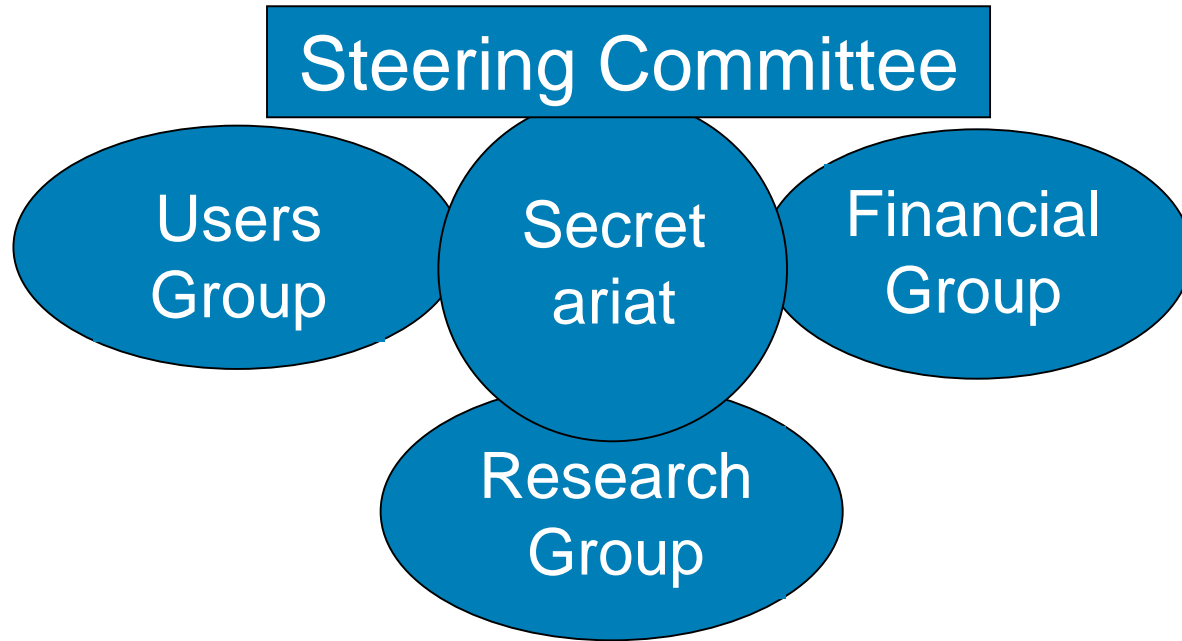
- We have experienced the importance of a very close communication throughout the start up, to ensure that any possible questions will be taken care of.



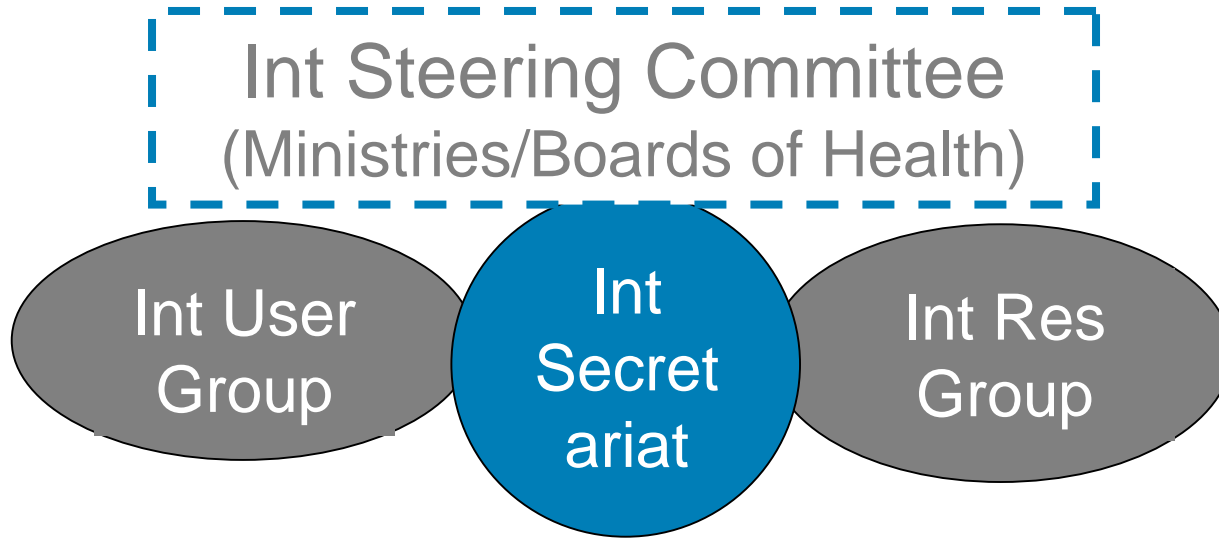
WHO Collaborating Centre  
for Evidence-Based Health Promotion in Hospitals  
Bispebjerg University Hospital



# National Organisation



# International Organisation



- SCDB Workshop at HPH Conf 2009 for
  - National SCDB coordinators
  - Users
  - Researchers



# Economy



- The Smoking Cessation Database is free of charge in Denmark
  - Financially supported by Ministry of Interior and Health, Danish National Board of Health, Danish Pharmaceutical Association among others
- Non-profit for all others
  - 2,000 € per smoking cessation unit annually
  - 100,000 € per country/state annually
- Compare these prices with the usual costs for effect monitoring at patient level



# Conclusion



- The International Smoking Cessation Database has been developed
  - Documentation of smoking cessation activities at national, regional and local level
  - Monitoring of the effect of all programs for smoking cessation intervention at patient level
  - Fast process from agreement to reality
- Sign rising interest for global cooperation
  - More value for lesser money
    - Higher quality products
    - Faster processes (evidence and implementation)



WHO Collaborating Centre  
for Evidence-Based Health Promotion in Hospitals  
Bispebjerg University Hospital



# Contact us



E-mail to: [info@scdb.dk](mailto:info@scdb.dk)

The screenshot shows the homepage of the Smoking Cessation Database. At the top, it says "Smoking Cessation Database" with the SCDB logo and a Danish flag. A navigation menu includes "Home", "About us", "Publications", and "Conferences". A "You are here" breadcrumb shows "Home". A central map of Europe highlights Denmark and Norway. A "News" section on the right contains a welcome message for a Norwegian cessation unit, dated January 20, 2008. A "Contact information" section on the left provides contact details for the secretariat, including a phone number (+45 3531 6037) and an email address (info@scdb.dk). A footer at the bottom contains the date "January 20, 2008" and the full address: "Secretariat of the Smoking Cessation Database - Clinical Unit of Health Promotion - Bispebjerg Bakke 13 - 7460 Copenhagen NV. Phone: + 45 35 31 60 37 - E-mail: info@scdb.dk".

In the near future please visit [www.scdb.dk](http://www.scdb.dk)