A MAP TELLS MORE THAN A 1 000 WORDS?

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Snow's map describing a cholera outbreak in London, September 1854

Water pumps
Cholera cases
Map with many dimensions:
Napoleon's campaign against Russia 1812-1813

County Council
Jönköping, Sweden

Public Health

"Public Health – The state of health in the population. Considers' both the level as well as the distribution of health."

"A good Public Health should be as good as possible and as equally distributed as possible”

Professor in Public Health Urban Janlert, Umeå University, Sweden
Public Health

The tradition of Public health dates back more than 150 years in Sweden.

Each Swedish citizen has an unique identification, makes it possible to do longitudinal studies.

Determinants of health
Why a public health atlas?

• Mapping geographical picture
• Basis for discussion among population, policy makers and medical profession
• Health status is affected by
  – Individual responsibility – life style
  – Political action – government and local
  – Health services

Public Health Atlas – Four steps

• 1. Is the disease a public health problem?
  – More than one percent of the population is affected

• 2. Can the disease be prevented?
  – Is there evidence for effective ways of health promotion and prevention?

• 3. What can be done in health care?
  – Health promotion, prevention (primary and secondary), early diagnostics (screening), treatment, palliation care.

• 4. What can we learn from each other in different counties?
Public Health Atlas of Colon Cancer

1. Is the disease a public health problem?
   - Colon cancer: No, but cancer as such is a public health problem

2. Can the disease be prevented?
   - Primary prevention to change lifestyle. Cereals might protect, red meat might affect the development.
   - Secondary prevention, part as treatment (tobacco use, alcohol, over weight, physical activity).

3. What can be done in health care?
   - Health promotion, prevention, early diagnostics (screening), treatment, palliative care.

4. What can we learn from each other in different counties?
   - Lifestyle factors and life style, Health curve, health promoting strategies
In municipalities of 3 counties Colon cancer; Females

Survival in colon cancer, all causes of death
Futurum – akademin för hälsa och vård

County Council
Jönköping, Sweden

Five year survival after diagnose, colon cancer

Public Health Atlas on tobacco

County Council
Jönköping, Sweden

Folkhälsoatlas Tobak
Regional dialogue and improvement work

Proportion daily smokers

Females

Males
Smoking habits among lung cancer patients

![Bar chart showing smoking habits among lung cancer patients, with categories for daily smokers, stopped smoking, and never smoked, divided by gender and county.]

When did you start smoking?

![Line graph showing the age at which smoking started, with separate lines for females and males.]

County Council
Jönköping, Sweden
Proportion smokers among pregnant women

Number of children with low birth weight / 1 000 newborn

Proportion smokers among parents of small children

County Council
Jönköping, Sweden
Health care actions in the tobacco preventive area

- Tobacco free before surgery
- Support to end smoking
- Tobacco prevention in dental care
- Tobacco prevention in child health care
- Tobacco prevention in maternity welfare
- Questions about tobacco when visiting a doctor

Do You do as your neighbor?
Sir — There is concern in West Germany over the falling birth rate. The accompanying graph might suggest a solution that every child knows makes sense. 


Fertility rate in Sweden 1970 to 2010

- 1970: 2.14
- 1980: 2.00
- 1990: 1.98
- 2000: 1.51
- 2010: ?
Child birth starts later in life

Mean age at first child

County Council
Jönköping, Sweden

Increased no. of families with three children

Baby boom

Increase since end of 1990

County Council
Jönköping, Sweden
County Council
Jönköping, Sweden

Bromma 2001-2003
Third child fertility

Residential district outside Stockholm
Do you do like your neighbor do?

Thank you for your attention!