

# **Review of SES, life-style and life-condition factors** being investigated in the studies presented in the ISEE Conferences 1998-2000



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#### Introduction

The totaction is status (SES), as well as life-style and life-conditions; are the factors which cannot be ignored when providing an epidemiological research. A lot of epide-miological studies have found significant relationships with the SES (expecially charaction) and health, life-style and life-conditions and health. The results of some studies confirm that low SES is an a significantly inverse correlation, e.g., with the prevalence of hyperensistion and health. The results of some studies confirm that low SES is an a significantly inverse correlation, e.g., with the prevalence of hyperensistion and hange cancer, higher cholesterol level, prevalence of obeity, an increase of the physician services uses, and a decrease of the quality of health care. The tack of interest in participation and near stress with the low SES in health studies level of SES is related with the worse health winn one wow sets on nearn stuates has ted to an underrepresentation of this social class. It has also been confirmed that the low level of SES is related with the works w

### **Objectives:**

- to identify SES and life-style factors, which are of the highest interest in epidemiological studies being presented in the
- ISEE Conferences during the last 3 years to compare the proportion of particular factors in all SES and life-style factors being investigated
- to identify whether the factor was the aim of the study or a potential confounder
- to find out how the priority level of particular factors have been changed in the research during the last 3 years

#### Methods:

Using the ISEE proceedings we noticed all the factors such as smoking, type of heating, education, housing conditions, dietary habits etc., which were either the aim of the presented studies, the a-priori confounders or confounders resulted from the analysis of data. The identified factors were divided into 3 categories (grouped factors):

 socio-economic status (SES) · life-style (with a sub-category of risk factors)

housing/life conditions

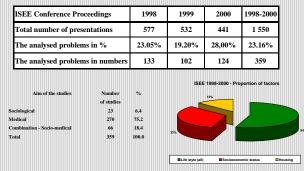
It was also indicated whether the social factors were the a-priori aim of the study or were investigated as a potential confounder. The selected 3 categories were analysed in each year separately as well as differences between the

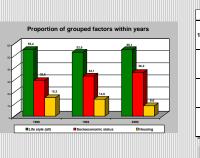
The data were analysed from the point of view of frequency, proportion and trends.

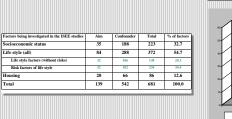
### **Results - All Factors**

In total 1,550 abstracts were analysed; the total number of studies dealing with analysed issues was 359 (of that in 139 studies SES and life-style factors were the aim of the study). We identified 21 different factors of the interest. In a lot of studies more factors were mentioned, therefore the total number of factors in all studies was 681.

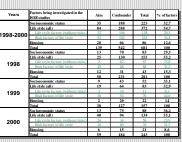
The most frequently investigated factors were life-style ones (54.7 % of all factors), especially risk factors, namely smoking. The increasing interest was identified with SES factors investigation and the decreasing interest with housing in research during the last three years.

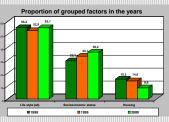






ISEE 1998-2000 - Proportion of Life Style Factors





ISEE 1998-2000 - Proportion of Risk Factors in Life Style

Alcohol consu

Envir. tobacco si Coffee drinking Sunlight exposu

**B**Erric

Alcoho

## Life-style factors

Dietary habits (37.7%), life-style in general (21.0%) and body-mass index (15.9%) were the most frequently investigated factors of life-style in relationship with a health outcome. Out of the total life style factors being investigated in 77.4 % cases, these factors were thought as a potential confounder. As for risk factors of life style – mostly the environmental tobacco smoking (79.1%) and alcohol consumption (17.1%) were investigated.

Socio-economic factors

Among the SES factors predominating interest was focused on the SES factors in general (50.7%), less on the level of education (24.2%) and occupation (22.9%).

During the last 3 years an increased interest has been

found out with the education - it has risen from 5.3%

Socioeconomic status (in geri) Biducation level Cocupation Billerical status

The comparison between the years - in 1999 the elevated interest in research of risk factors of life style (84.3%) was found comparing with the other years - where the life style risk factors made about 57%.

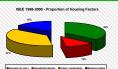
Type of factor	Factor is	Factor is	Total number	% of factors
	the aim of study	a confounder	of factors in all studies	(out of total 681)
Lifestyle factors (all)	84	288	372	54.7
Lifestyle factors (without risks)	32	106	138	20.3
Lifestyle (in general)	7	22	29	4.3
Time-activity patterns	2	17	19	2.8
Personal behaviour		9	9	1.3
Physical activity	1	2	3	0.4
Dictary habits	20	32	52	7.7
BMI	1	21	22	3.2
Sexual practise	1	2	3	0.4
Drug use		1	1	0.2
Risk factors of lifestyle	52	182	234	34.4
Environmental tabacco smoking (active, passive)	49	136	185	27.2
Alcohol consumption	2	38	40	5.9
Coffee drinking		4	4	0.6
Tea drinking		2	2	0.3
Sunlight exposure	1	2	3	0.4

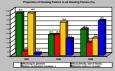


ors to the Other Life Style Fa

Housing conditions The indoor combustion such as the type of heating, cooking etc. was a housing factor of the highest interest (37.2%). Another 15.0% of the investigated housing factors were moisture stains of moulds. Therefore 52.2% of the studied housing factors were the risks of housing. When looking at differences between the years, the interest in indoor combustion has decreased from 46.5% to 19.0%, while in moisture stains of moulds it has icreased from 2.3% to 38.1%.







#### **Conclusions:**

to 10.3%

The results of this review show that nearly a quarter of the epidemiological studies took into account life-style, SES or the housing factors as a potential confounder of health outcome. Social-science can help epidemiologists to understand better these circumstances and to identify social predictors of health outcomes or interpretation of the research results.

