Social determinants and health inequalities.Evidences from Romania

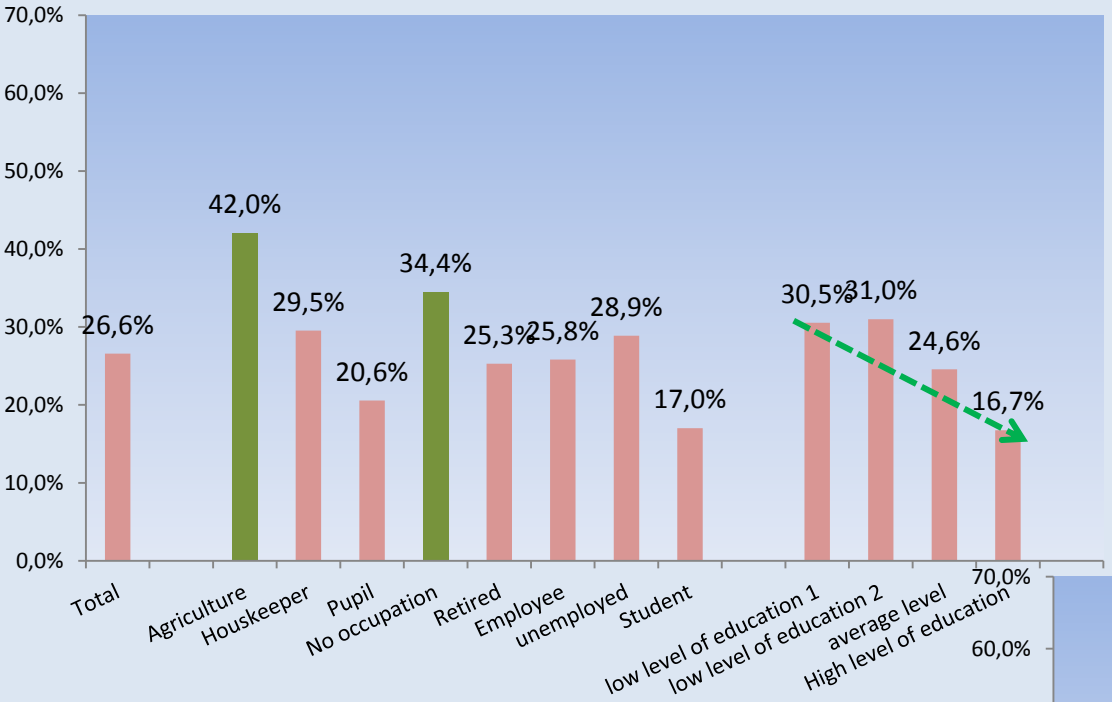
Dr. Adrian Pana
Phd. Lecturer Bogdan Ileanu

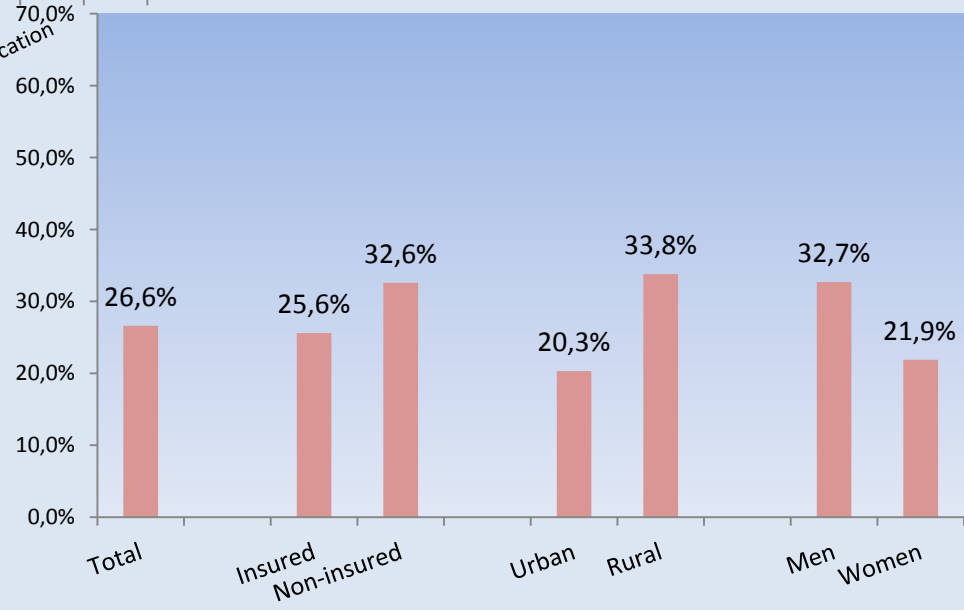
Data sources

-Continuous hospitalization official data (2009-2011)
-Socio-economic indicators published by NIS Romania (2011)
-National Program of Population Health Evaluation (2008)

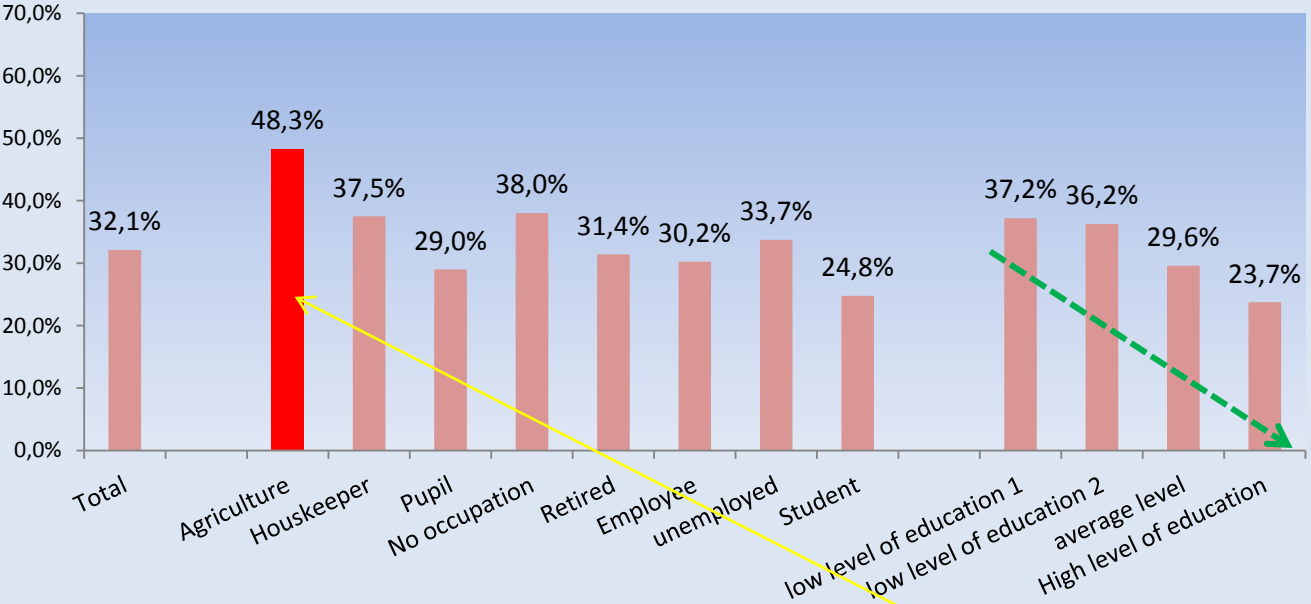
Descriptive statistics about life style and potential risks

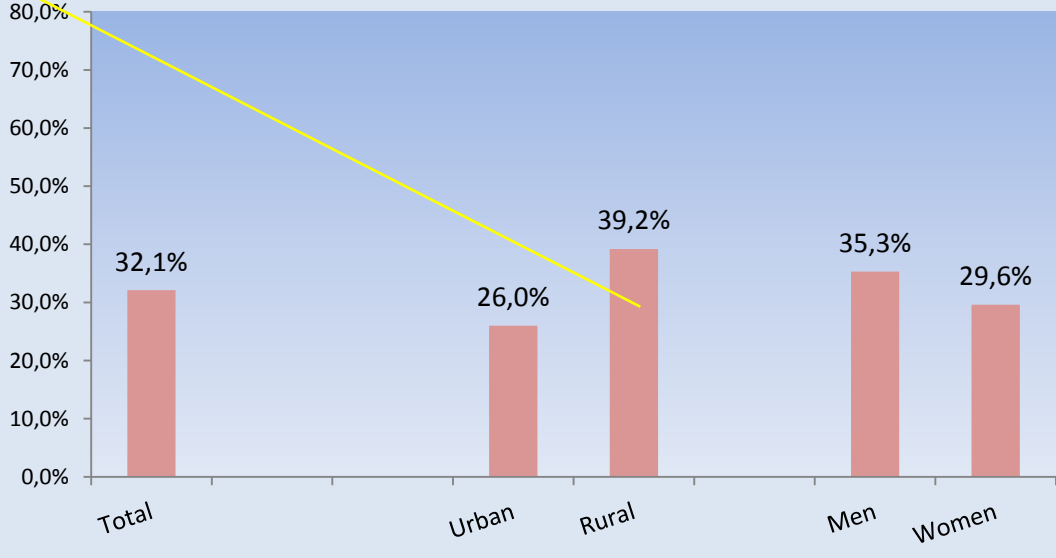
Red meat consumption



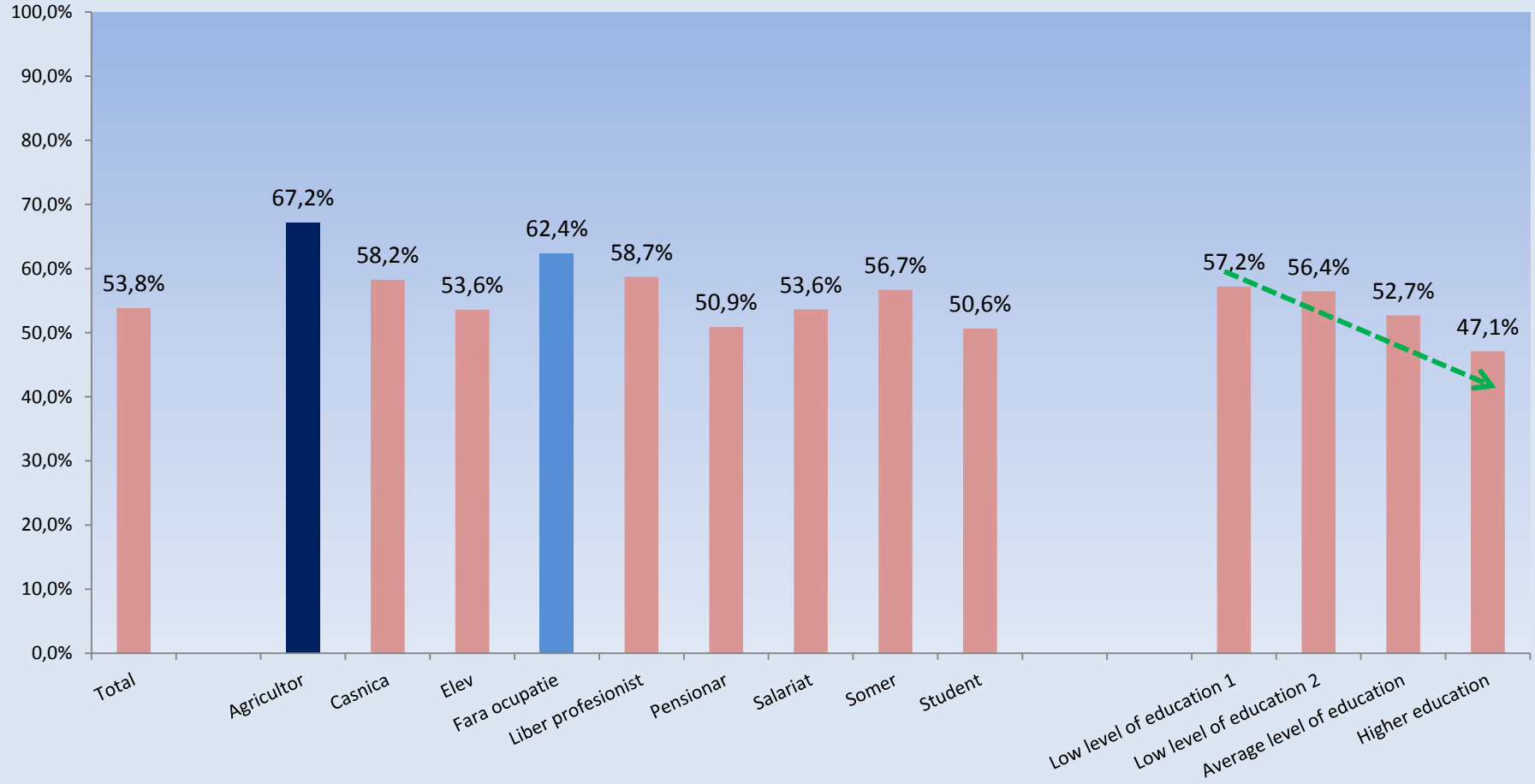


Fats consumption

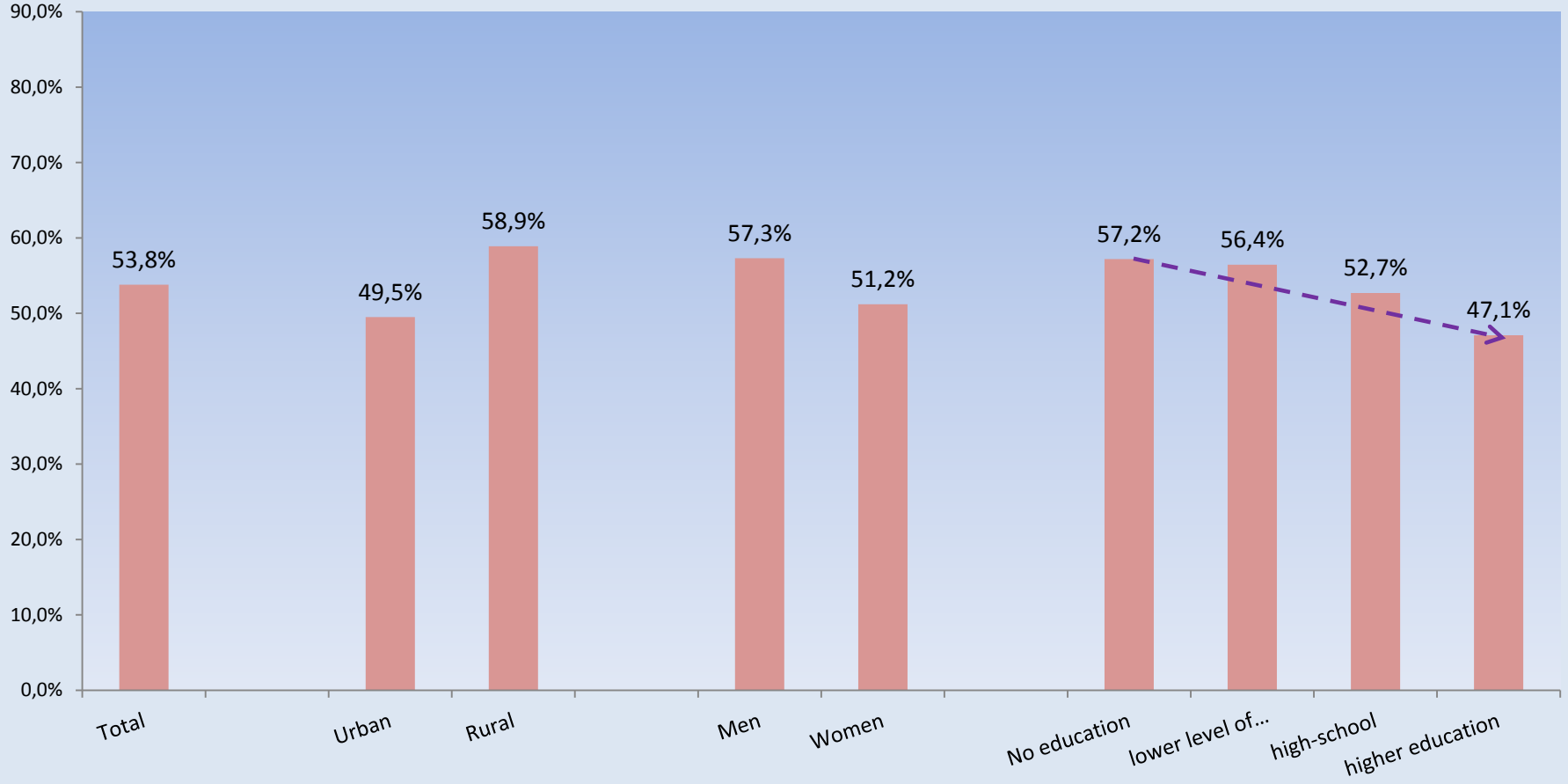




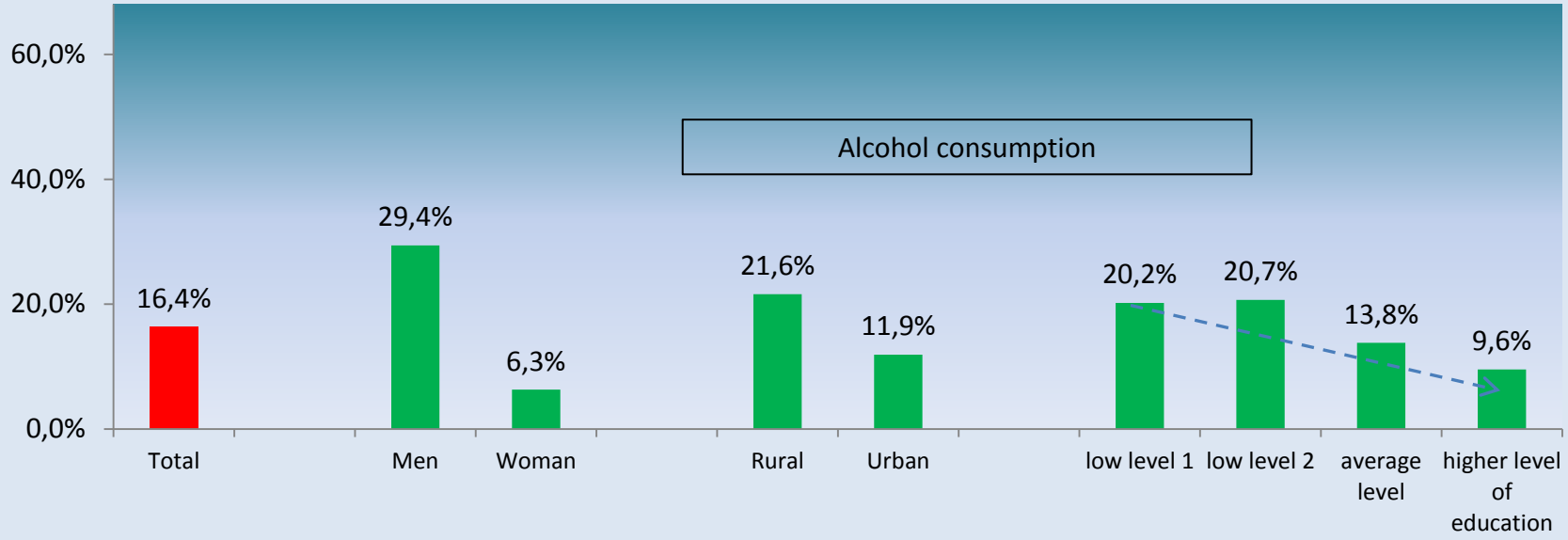
Additional salt consumption

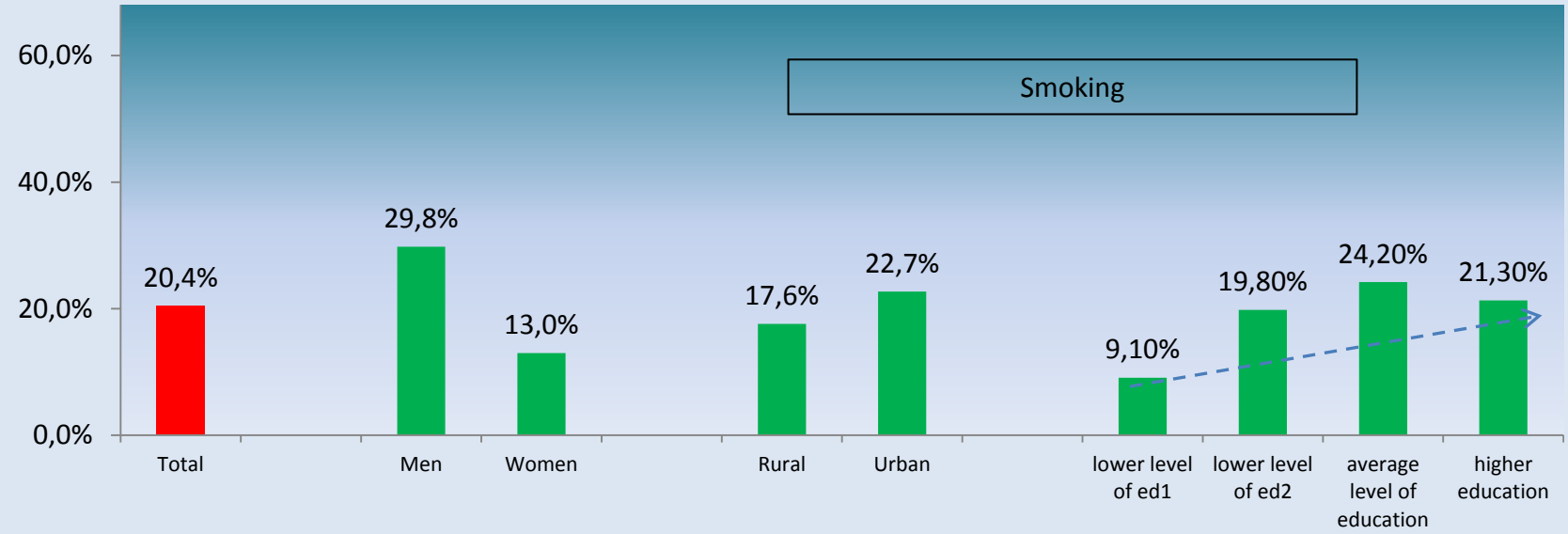


Additional salt consumption



Alcohol consumption and smoking by different segments of population

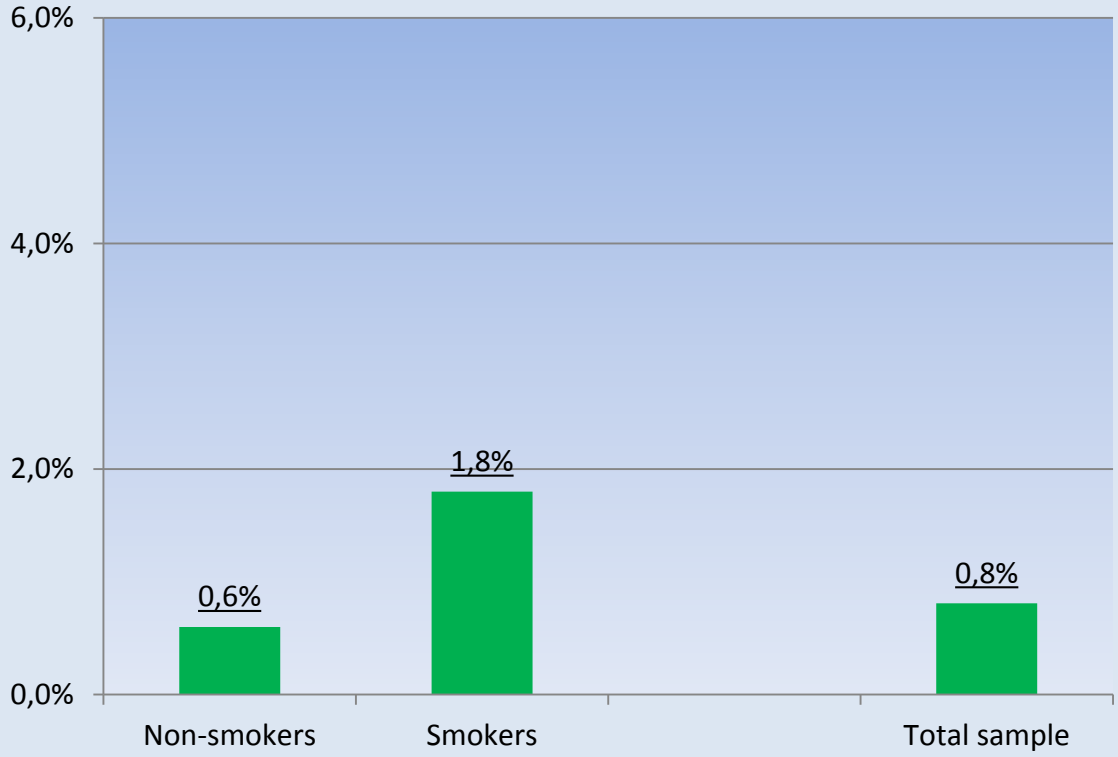




Evidence of risks

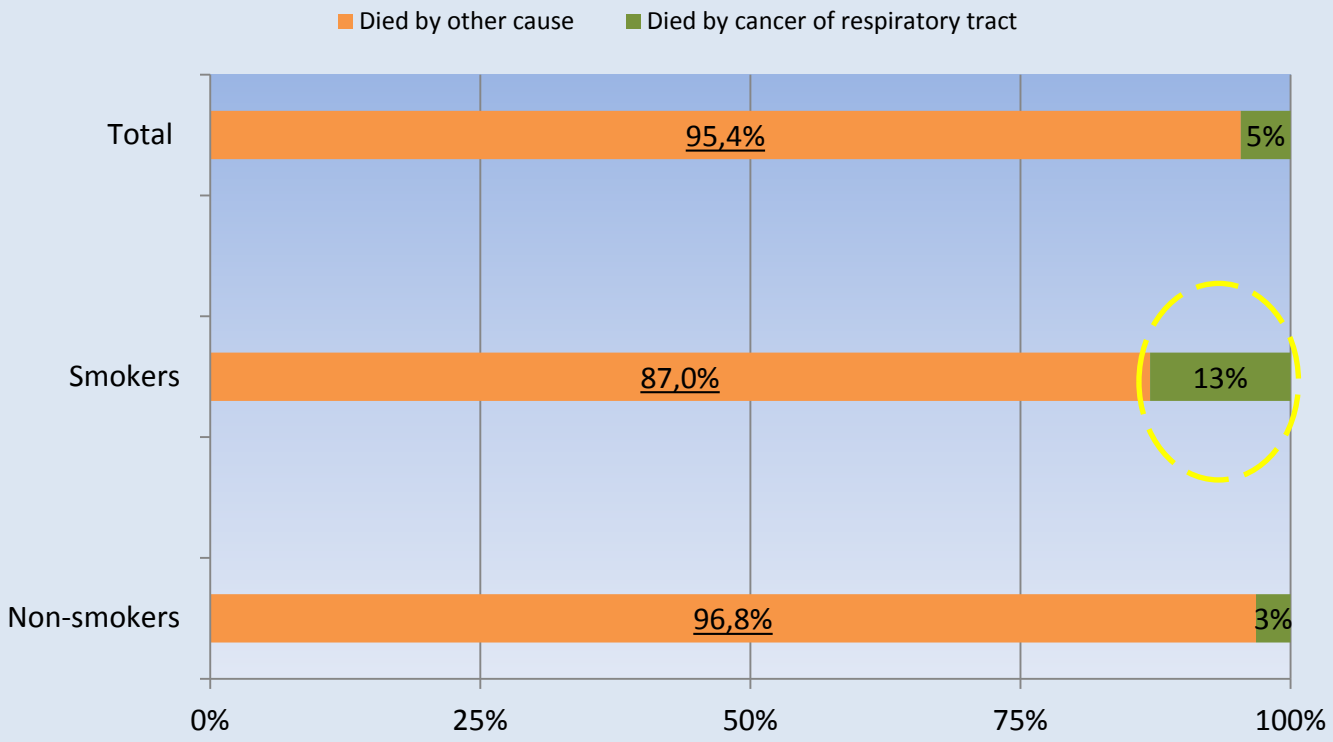
Effects of smoking
-evidence based-

Smoking and morbidity by cancer of respiratory tract



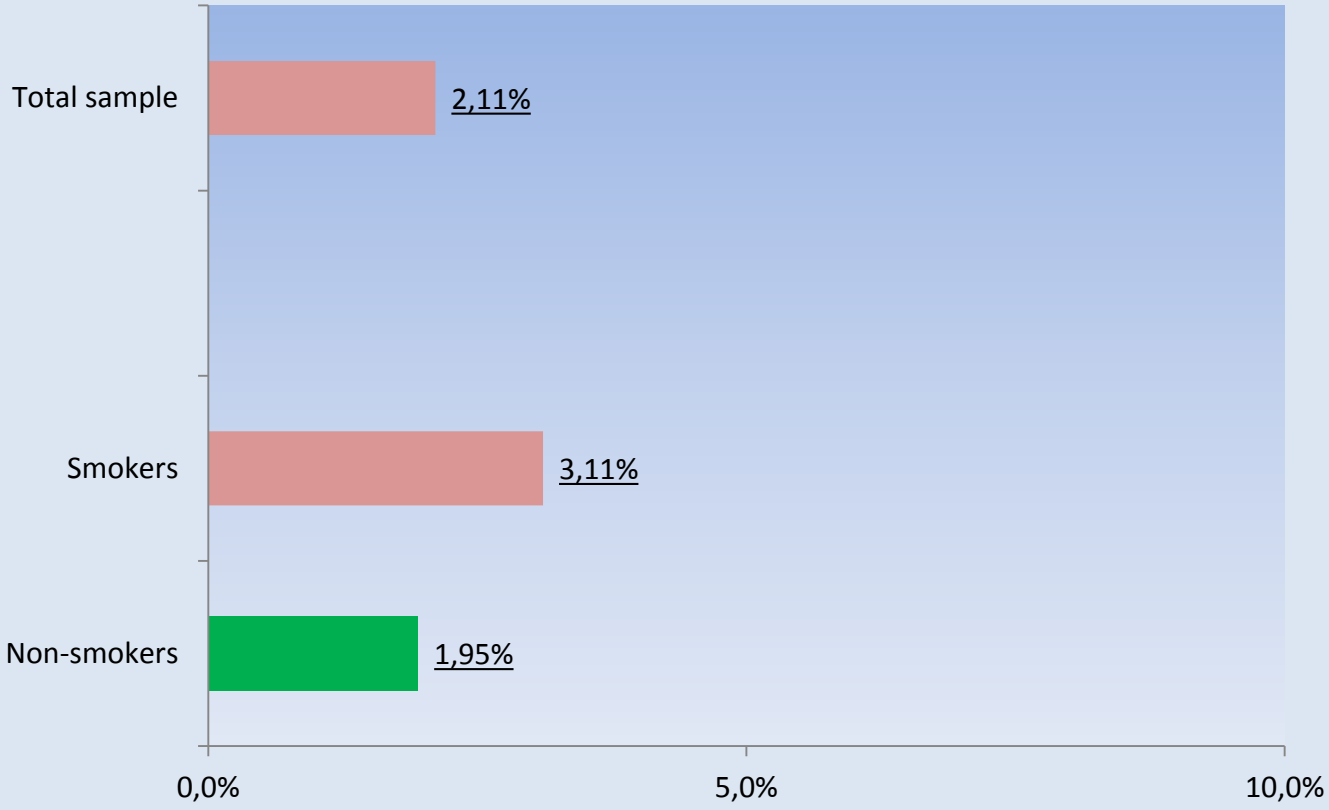
Significant at 5% level

Effects of smoking respiratory tract cancer



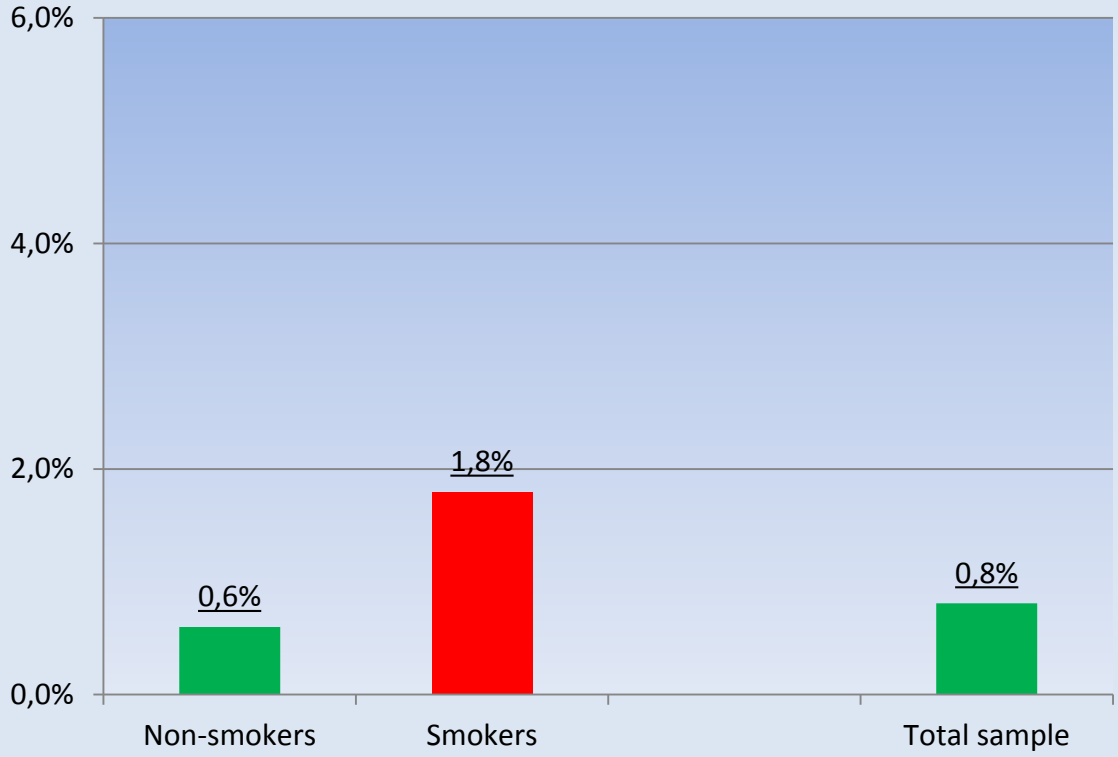
Significant at 5% level

Smoking and its effects on cause of deaths by lung diseases



Significant at 5% level

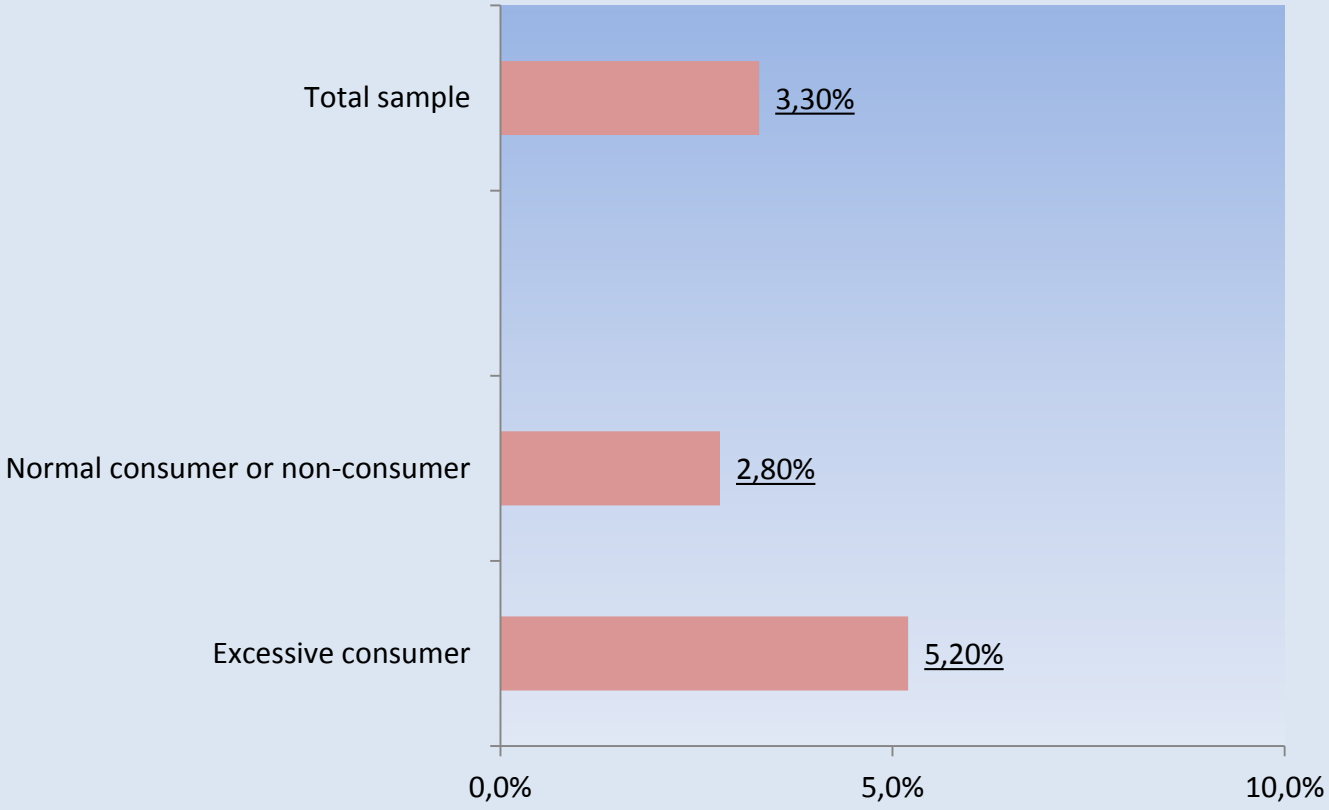
Smoking and its effects on respiratory tract cancer



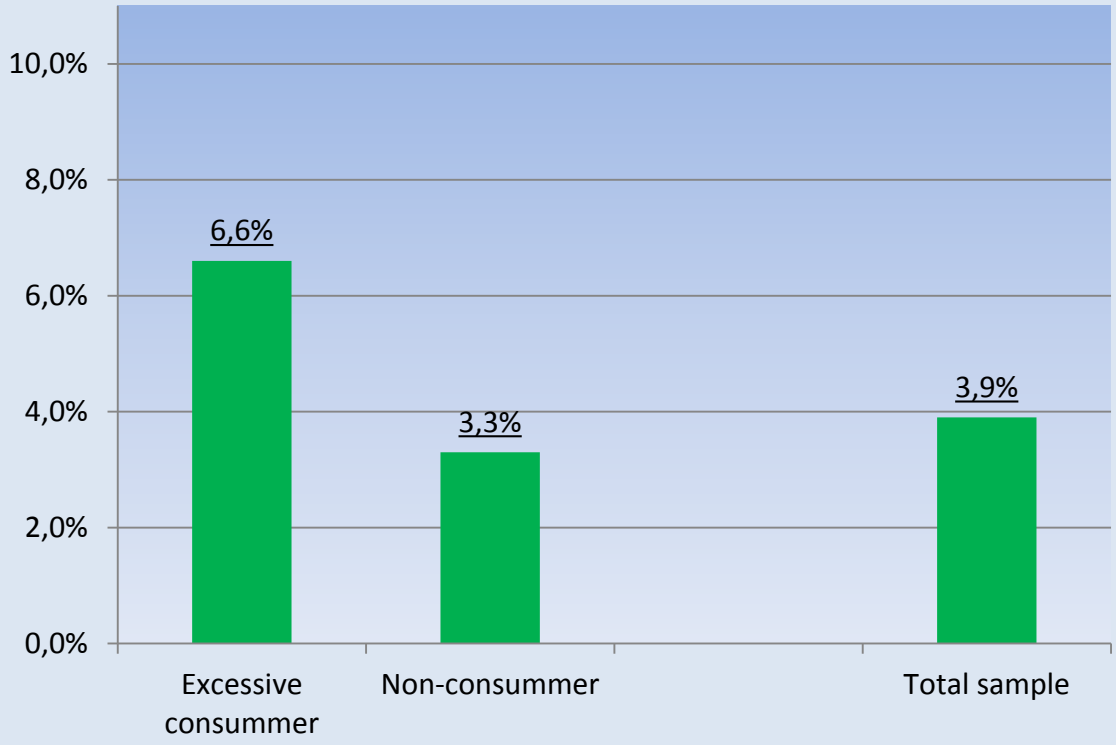
Significant at 5% level

Effects of alcohol
-evidence based-

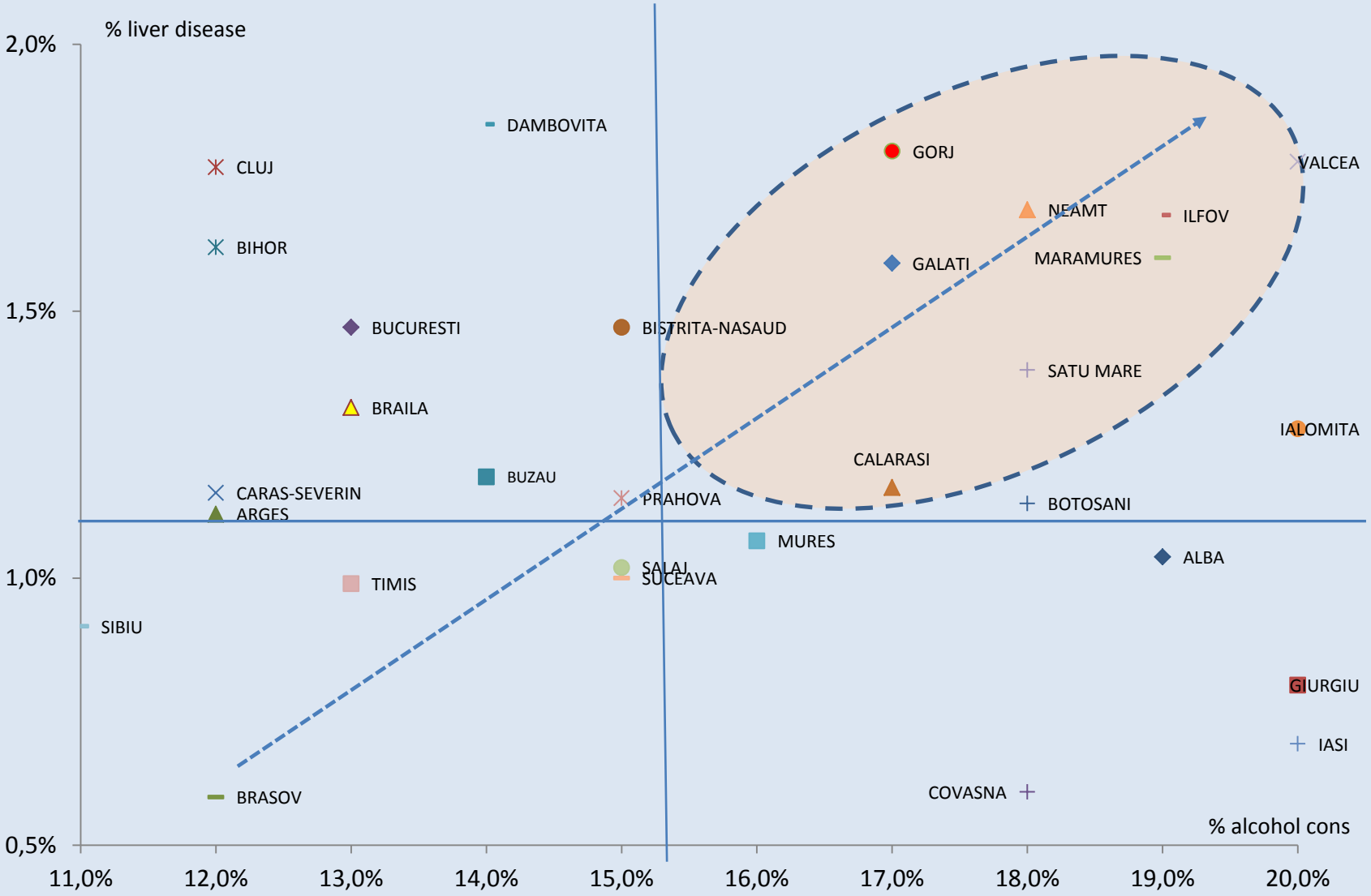
Excessive alcohol consumption and cirrhosis as cause of death



Alcohol excessive consumption and effects on liver diseases



Correlation between share of alcohol consumers and liver diseases



Socio-economic determinants by county

Alcohol and smoking determinants. Urbanization impact on the healthy food consumption

Dependent variable Share of alcohol consumption (R2=0.52)

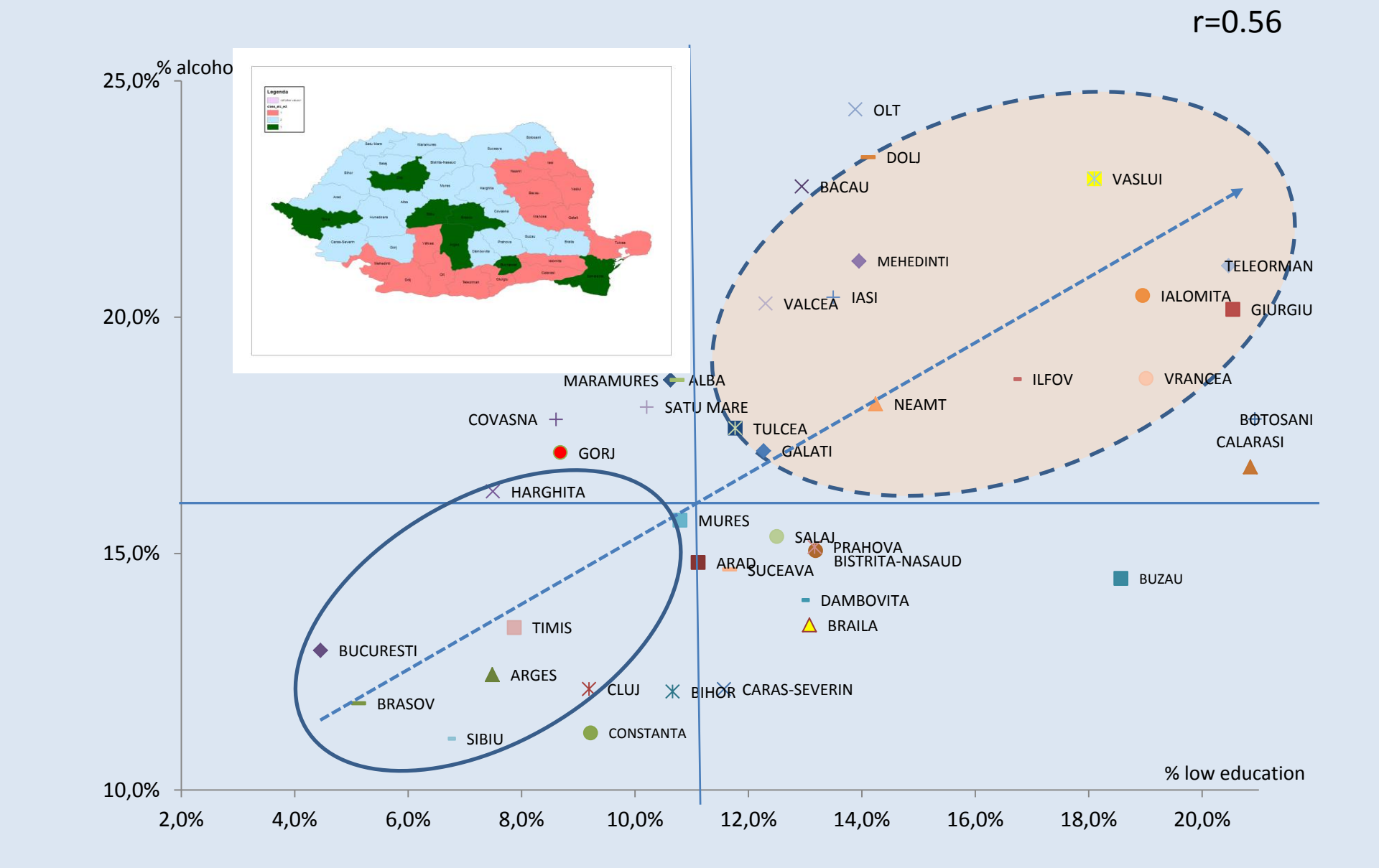
Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.082	.045		1.801	.080
	fara_oc	.937	.303	.507	3.094	.004
	urb	-.098	.054	-.409	-1.792	.082
	studprim	.253	.147	.292	1.716	.095
	GDP_cap_2009	.000	.001	.116	.512	.612
	studsup	.216	.287	.222	.753	.456

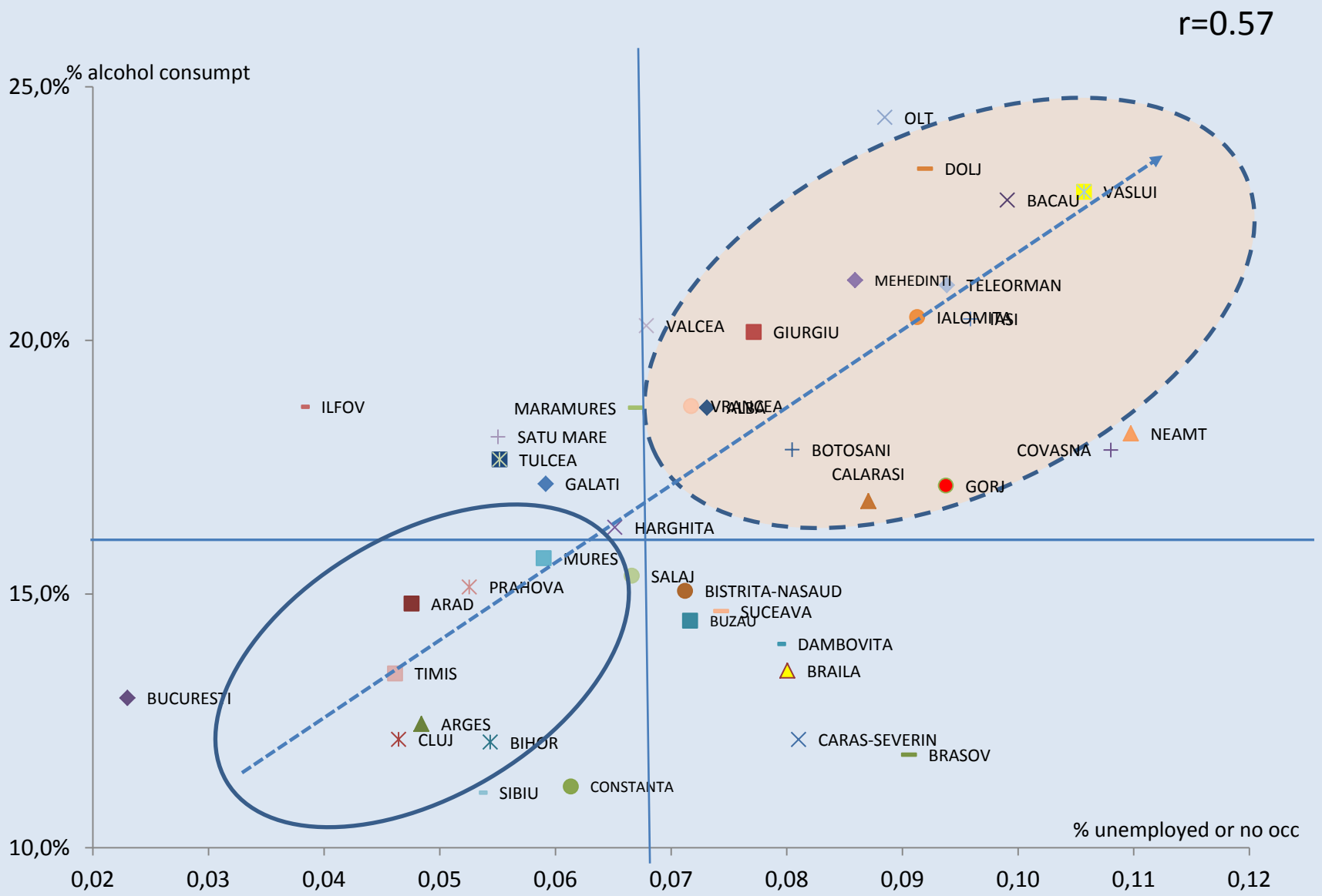
a. Dependent Variable: alcohol

		Red meat	Fats	Salt	alcohol	smoking
% urban population	Pearson Correlation	**-.520**	**-.494**	**-.346**	**-.533**	**.357**

Correlation between education and alcohol consumption



Correlation between employment and alcohol consumption



What should be done?

- Alcohol prevention program in the rural area and especially for less educated people
- Smoking prevention program in the urban area having as target population higher educated
- Intense activity of prevention at local level featured on the North East region, South and South-West

What we are doing ?

- Designing a Basic Health Package with a strong component of prevention
- Defining Health National Strategy with a strong component of Primary Care
- Agreements with other institution (eg. Ministery of Education) to provide and ensure healthy life

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