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**CONSUMER BEHAVIOR IN THE MEAT MARKET WITHIN THE
V4 COUNTRIES: SOCIAL CONSEQUENCES FOR THE
LENGTH AND QUALITY OF LIFE**

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Globalization and Its Socio-Economics Consequences

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Layout

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Introduction

- **Research background:**
 - Pandemic era
 - Market segmentation
 - Quality of life
- **Purpose:** Aim of paper is to analyze, compare and predict consumer behavior in meat market in V4 countries and outline possible social consequences of consumer demand on quality of life

Introduction

- **Methods:**
 - Data from FAO database
 - Results of survey
 - Time span: 2016-2014 and 2014-2030
 - Quantitative and qualitative statistics
- **Findings and added value:**
 - Model meets requirements of globalization
 - Benefit of research

Aim and methodology

- **Aim:** to analyse, compare and predict consumer behavior in meat market in V4 countries and outline possible social consequences of consumer demand on quality of life.
 - H: Is there a direct relationship between meat consumption and life expectancy?
 - Outline possible social consequences of this consumer demand on quality of life

- **Subject of research:** V4 countries

Aim and methodology

- **Questionnaire survey:**
 - **1 300 respondents:**
 - 369 (29.38 %) excluded – due to formal shortcomings
 - 931 (71.62 %) processed
 - **2 parts:**
 - 9 questions related to consumer behavior
 - 5 questions concerning to respondent

Aim and methodology

Indicator		Absolute expression	Relative expression in %
Number of respondents	Women	677	73
	Men	254	27
Age categories of respondents	up to 18 years	56	6
	19-25 years	270	31
	26-35 years	130	14
	36-45 years	121	13
	46-55 years	130	13
	56-65 years	149	15
	66 and more years	75	8
Highest completed education	Elementary school	75	9
	High school	475	52
	University	381	39
Economic activity	Students	298	35
	Employed	484	51
	Unemployed (no job)	9	1
	Unemployed (disability, maternity leave, other)	28	2
	Retirees	112	11

Aim and methodology

- **Source of data:** FAO database
 - Hungary and Poland: 1961-2013
 - Slovakia and Czech republic: 1993-2013
- **Methods:**
 - Regression analysis
 - Correlation analysis
- Calculated multiple dependency using data analysis tool in MS Excel
- **Indicators:**
 - Demographic indicator – Life Expectancy

Results

- Human development index and average life expectancy in V4 countries

Slovakia

- Human development index: **0.857**
- Average life expectancy: **77.4 years**

Czech republic

- Human development index: **0.891**
- Average life expectancy: **79.2 years**

Hungary

- Human development index: **0.845**
- Average life expectancy: **76.7 years**

Poland

- Human development index: **0.872**
- Average life expectancy: **78.5 years**

V4 countries

Bratislava, Slovakia



Varsav, Poland







Budapest, Hungary



Prague, Czech Republic







Results

	year	consumption	change in %		year	consumption	change in %		year	consumption	change in %		year	consumption	change in %
1 ¹	1993	17,0 1	-	1 ¹	1993	20,6 4	-	1 ¹	1993	17,9 4	91,34	1 ¹	1993	13,0	139,78
2 ²		1,78	-	2 ²		3,14	-	2 ²		1,1	96,49	2 ²		0,22	33,85
3 ³		46,7 5	-	3 ³		58,3 2	-	3 ³		57,1 1	121,90	3 ³		50,39	147,21
4 ⁴		6,86	-	4 ⁴		12,0 9	-	4 ⁴		21,9 6	233,62	4 ⁴		9,35	563,25

1¹ beef, 2² game, 3³ pork, 4⁴ poultry

Results

	year	consumption	change in %		year	consumption	change in %		year	consumption	change in %		year	consumption	change in %
1 ¹	2013	5,19	30,51	1 ¹	2013	8,15	39,49	1 ¹	2013	4,96	27,65	1 ¹	2013	2,32	17,85
2 ²		1,62	91,01	2 ²		4,06	129,30	2 ²		1,26	114,55	2 ²		0,14	63,64
3 ³		31,78	67,98	3 ³		41,17	70,59	3 ³		34,93	61,16	3 ³		46,19	91,67
4 ⁴		15,13	220,55	4 ⁴		19,09	157,90	4 ⁴		23,78	108,29	4 ⁴		27,41	293,16

1¹ beef, 2² game, 3³ pork, 4⁴ poultry

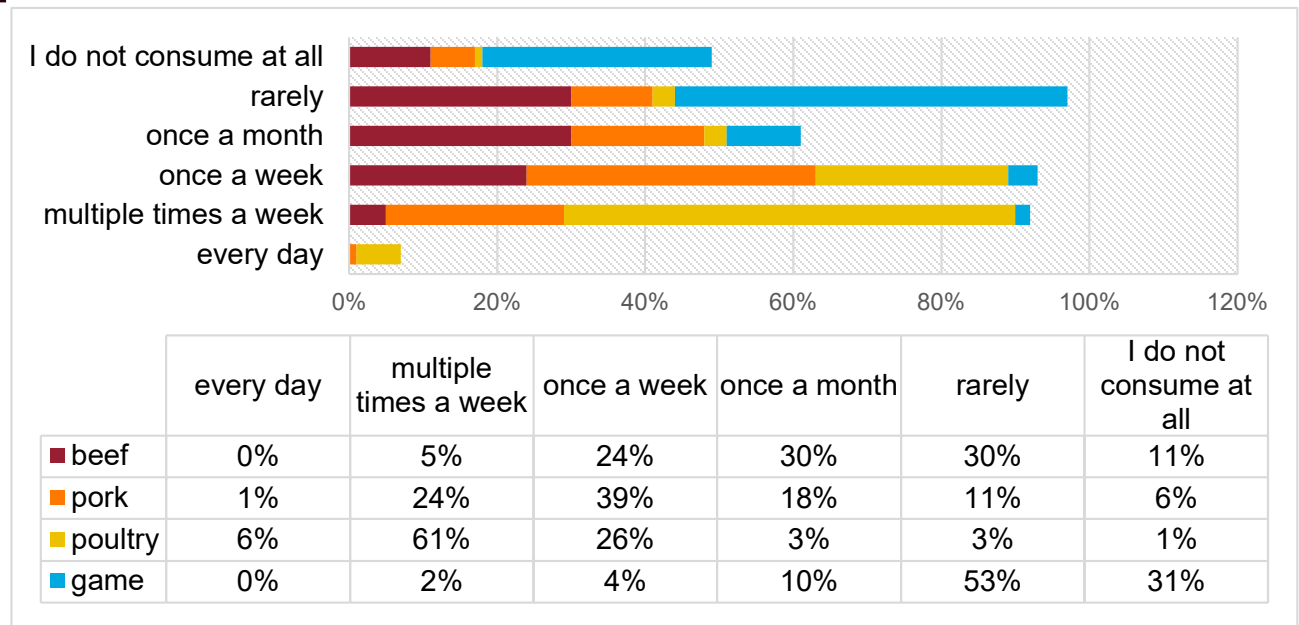
Results

▪ Respondents meat consumption:

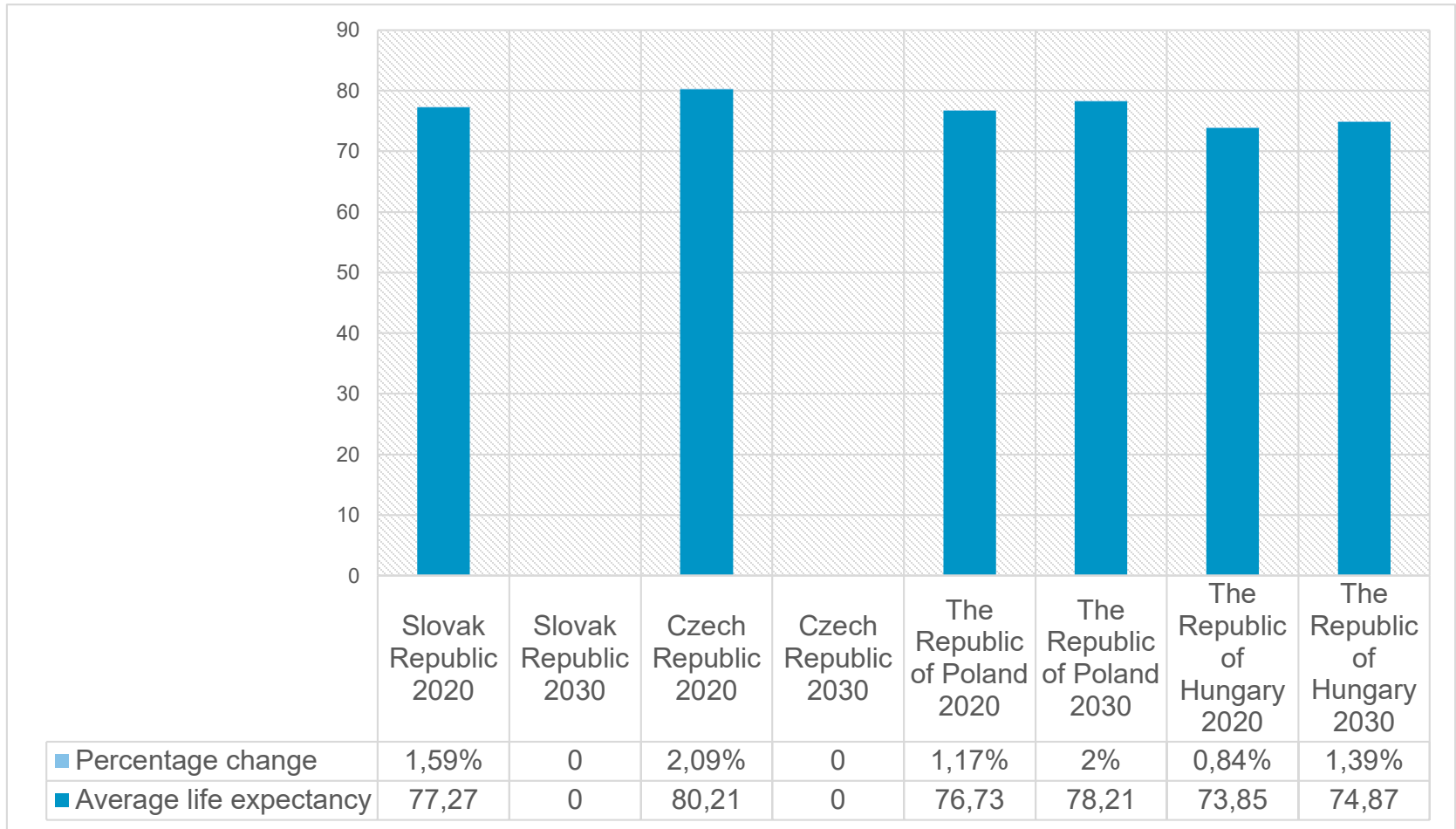
- 785 respondents (84.32%) consume meat
- 112 respondents (12.03%) consume meat only occasionally
- 34 (3.65%) do not consume meat at all

▪ Highest consumption:



















- 1. Poultry
- 2. Pork
- 3. Beef
- 4. Game



Results



Suggestions and recommendations

 SR	if we increase the consumption of beef by 1 kg, then the average life expectancy will decrease by 0.25 years	 ↑	 ↓
	if we increase the consumption of pork by 1 kg, then the average life expectancy will decrease by 0.05 years	 ↑	 ↓
	if we increase the consumption of poultry by 1 kg, then the average life expectancy will decrease by 0.03 years	 ↑	 ↓
	if we increase the consumption of game by 1 kg, then the average life expectancy will increase by almost 1 year (0.79)	 ↑	 ↑
 ČR	if we increase the consumption of beef by 1 kg, then the average life expectancy will decrease by almost 1 year (0.98)	 ↑	 ↓
	if we increase the consumption of pork by 1 kg, then the average life expectancy will increase by 0.26 years	 ↑	 ↑
	if we increase the consumption of poultry by 1 kg, then the average life expectancy will decrease by 0.38 years	 ↑	 ↓
	if we increase the consumption of game by 1 kg, then the average life expectancy will increase by 0.62 years	 ↑	 ↑

Suggestions and recommendations

MR



if we increase the consumption of beef by 1 kg, then the average life expectancy will decrease by 0.26 years



if we increase the consumption of pork by 1 kg, then the average life expectancy will decrease by 0.03 years



if we increase the consumption of poultry by 1 kg, then the average life expectancy will increase by 0.01 year



if we increase the consumption of game by 1 kg, then the average life expectancy will increase by 0.56 years



PL



if we increase the consumption of beef by 1 kg, then the average life expectancy will decrease by 0.06 years



if we increase the consumption of pork by 1 kg, then the average life expectancy will increase by 0.04 years



if we increase the consumption of poultry by 1 kg, then the average life expectancy will increase by 0.26 years



if we increase the consumption of game by 1 kg, then the average life expectancy will decrease by 0.74 years



Conclusions

- **Limits:**

- scope of document
- wider selection of indicators presenting quality of life
- prices differentiated by meat types or countries surveyed
- deeper identification of primary research outputs

Conclusions

▪ Benefits:

- basis for further scientific research
- changes in consumer behaviour in terms of meat consumption
 - significant impact on life expectancy of population
 - new tourism trends
- HALE (Healthy Life Expectancy) – new important indicator (WHO)

