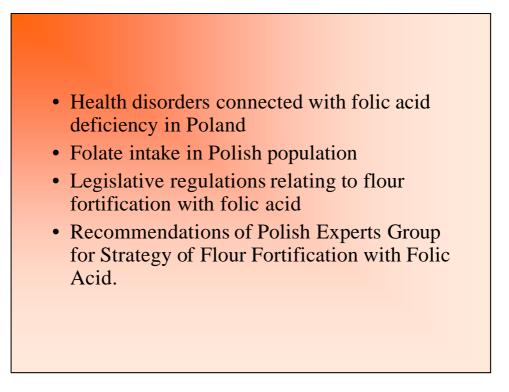
Folate Status of the Population in the EC and Strategies for Change - Expert Discussion Forum

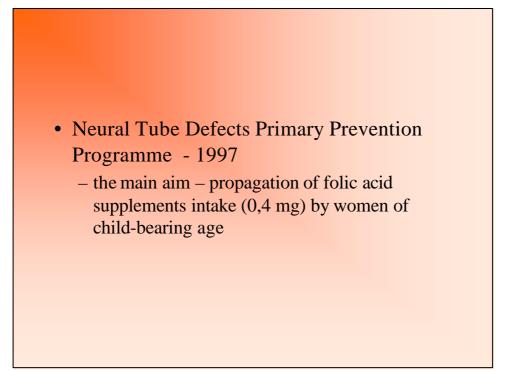
Situation in Poland

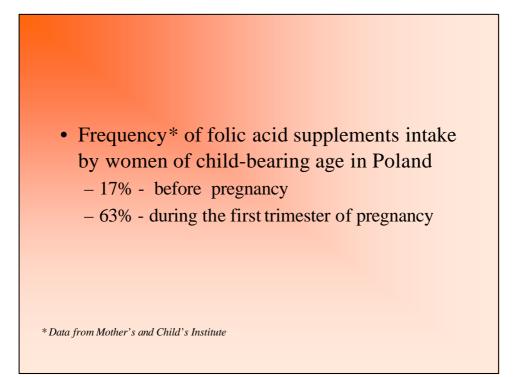
National Food and Nutrition Institute, Warsaw, Poland



Health disorders connected with folic acid deficiency in Poland

- Prevalence
 - of neural tube defects (NTD) 1-2/1000 living births
 - (350-700 new-born babies per year)
 - Cause of 34% of infants deaths





	Preva		<mark>perhomocys</mark> adults in Pola	<mark>teinemia (%)</mark> and*	
		<5 mmol/l	5-10 mmol/l	10-15 mmol/l	->15 m mol/l
18-39	Female	2,2	57,7	33,5	6,7
	Male	0,7	44,3	37,6	17,4
	Total	1,5	51,1	35,5	12,0
40-60	Female	0,5	48,1	41,7	9,71
	Male	0,0	29,3	47,7	23,0
	Total	0,3	38,7	33,7	16,4
³ 60	Female	0,0	28,3	46,4	25,3
	Male	0,0	16,2	49,4	34,4
	Total	0,0	23,3	47.7	29.0

*POLKARD Programme

Health disorders connected with folic acid deficiency in Poland

Most frequent cancer morbidity in Poland

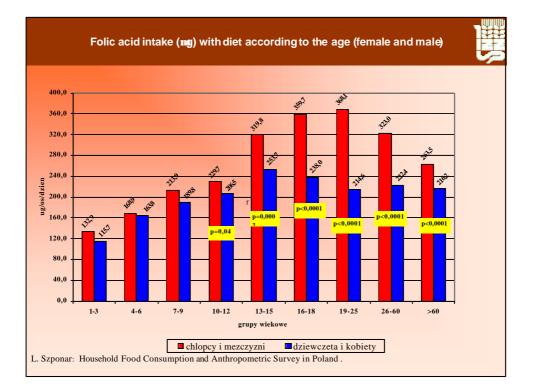
• Male

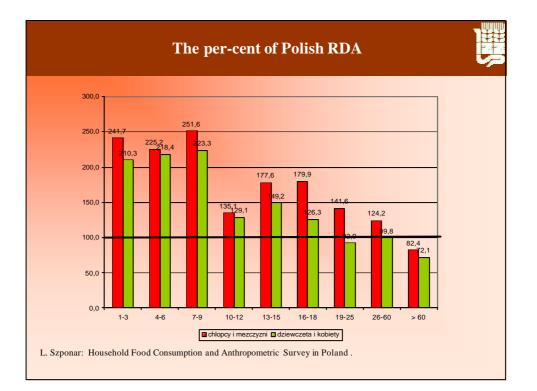
- Female
- Lung 27,1%
- Colorectal 10,3% Colorectal 10%
- Prostate 8,1%
- Breast 20,7%

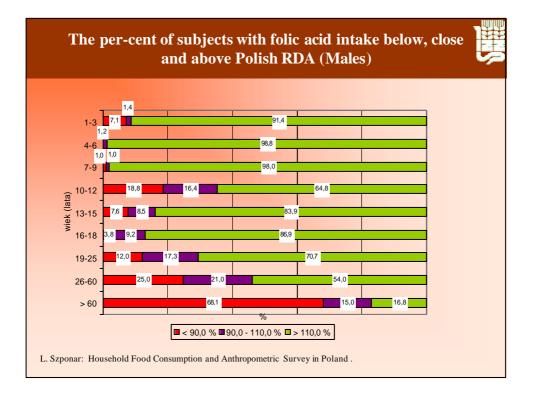
Folate intake in Polish population

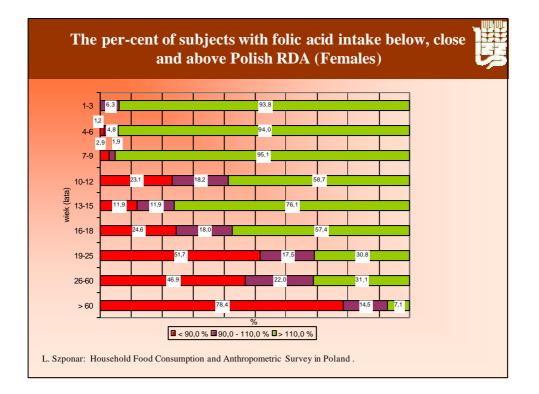
The data of dietary intake of folate comes from countrywide representative survey in the group of 4134 males and females carried out in 2000.

The 24 hour recall was used as the method to collect the dietary information.









Main folate food sources

- Vegetables and pulses (27-29%)
- Cereals (21-27%)

Conclusion

- Average folic acid intake in Polish population is satisfactory
- There are some population gropus with dietary folic acid deficiency risk:
 - it's content was below 90% Polish RDA in diets of:
 - 51,7% among 19-25 y old women
 - 46,9% among 26-60 years old women
 - 78,4% among over 60-year women and in 68,1% diets of the same age men

Legislative regulations relating to flour fortification with folic acid

- In 2000 Ministy of Health gave permission for producing flour fortified with folic acid (and other vitamin B) used by individual consumers.
- In 2006 permission for fortification of flour used in baker's industry
 - The maximum forification level 100% of RDA per 100 g of product

Fortification is not obligatory

Recommendations of Polish Experts Group, (established by Ministry of Health), for Strategy of Flour Fortification with Folic Acid (meeting – October'2006).

- There are the important health reasons for adding of folic acid to <u>selected</u> sorts of flour. It will give to consumers a possibility of an aware choise.
- Education on the folic acid importance for health and it's intake from natural food and supplements of population, especially among women of childbearing age, children and adolescents is the best tool for improoving of folic acid intake.

Recommendations of Polish Experts Group, (established by Ministry of Health), for Strategy of Flour Fortification with Folic Acid (meeting – October'2006).

- There is a need to introduce the procedures for doctors on folic acid supplements recommendations.
- Monitoring of food products fortified with folic acids intake should be done.

