Nutrition in Kazahstan



CLN 1600: NUTRITION TUTOR: ELDA EICHER BY SABIT SHANGEREY

Content

- Introduction to Kazakhstan
- Determination of problems
- National cuisine / Cuisine of Kazakhstan
- Reasons of diseases
- Methods of treatment

Kazakhstan



- The climate is continental, with warm summers and cold winters (can be +40 and -40).
- The terrain of Kazakhstan includes flatlands, steppe, taiga, rock canyons, hills, deltas, snow-caped mountains and deserts.
- Kazakhstan has borders with Russia, China, Kyrgyzstan, Uzbekistan and Turkmenistan and also adjoins a large part of the Caspian Sea.
- Population: 17 078 241 people

Territory of Kazakhstan





National cuisine





Kazy Kuurdak





Beshbarmak

Qurt

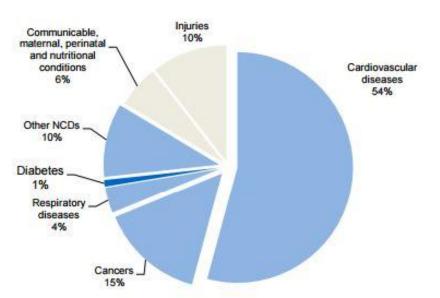


Reasons of overweight

- A global shift in diet towards over-consumption of energy-dense foods high in fat , sugar and salt and low in vitamins , minerals and other micronutrients
- Decreased physical activity due to widespread of sedentary forms of work and rest, changing ways of transportation, and increasing urbanization.

According to experts of the National Center Healthy Eating (NAC 2016), the young generations consume food and beverages that are harmful for a health. Every 3rd pupil spends pocket money on fast food, more than 1 time a week drinking sugary sodas and 1 of 10 drinks energy drinks. About 60% of students consumed fast food, with every seventh student eating fast food and drinking sodas or energy drinks on a daily basis.

Deaths diagram





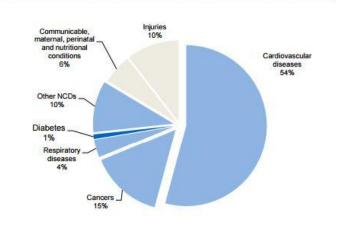
Number of diabetes deaths

mares	remaies
350	430
190	440
	350

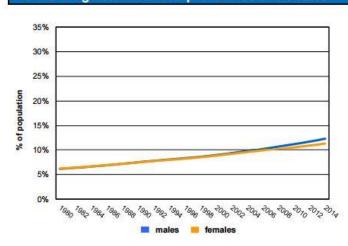
Number of deaths attributable to high blood glucose

	maies	remaies
ages 30-69	4 090	2 340
ages 70+	2 970	5 550

Proportional mortality (% of total deaths, all ages)



Trends in age-standardized prevalence of diabetes



	males	females	total
Diabetes	11.3%	11.7%	11.5%
Overweight	59.8%	57.7%	58.7%
Obesity	21.3%	25.4%	23.5%
Physical inactivity	18.8%	21.0%	20.0%

National response to diabetes

Policies, guidelines and monitoring

Yes
Yes
Yes
Available and fully implemented
Available and fully implemented
Yes
No

Availability of medicines, basic technologies and procedures in the public health sector

Medicines in primary care facilities

Insulin	•
Metformin	•
Sulphonylurea	•
Procedures	
Retinal photocoagulation	•
Renal replacement therapy by dialysis	0
Renal replacement therapy by transplantation	0

Basic technologies in primary care facilities

Blood glucose measurement	•
Oral glucose tolerance test	•
HbA1c test	•
Dilated fundus examination	•
Foot vibration perception by tuning fork	0
Foot vascular status by Doppler	•
Urine strips for glucose and ketone measurement	•

What causes cardiovascular disease?

- Some people are born with conditions that predispose them to heart disease and stroke
- Poor diet
- Lack of physical activity
- Smoking

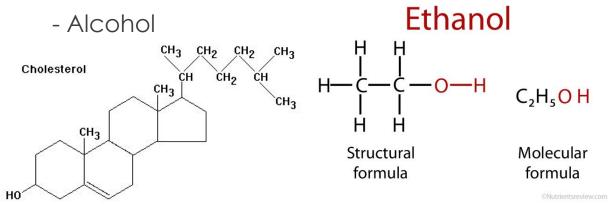


Does diet play a part in the development of heart disease?

Diet plays a significant role in protecting or predisposing people to heart disease.

Diet Increase the risk of heart disease

- high in animal fat (cholesterol)
- low in fresh vegetables and fruit



Diet Prevent from the risk of heart disease

- diet low in fat and salt



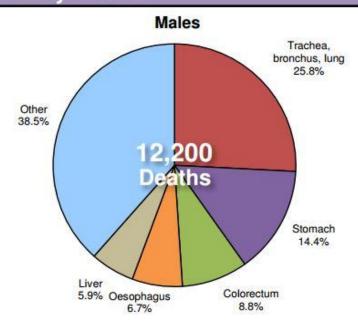
Cancer mortality

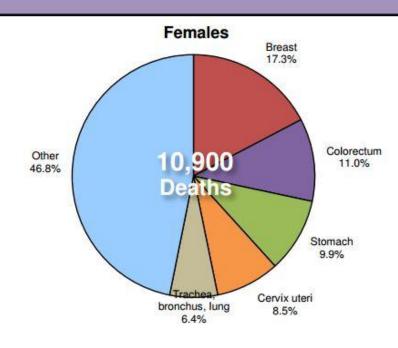
Total population: 16,271,000 Income group: Upper middle

Life expectancy at birth: Total:68 Males:63 Females:72

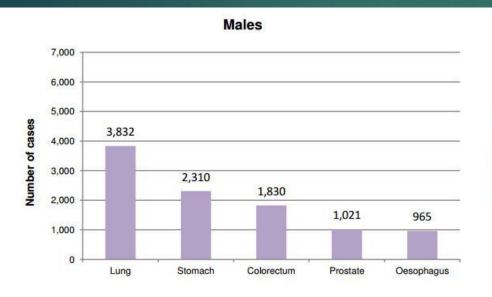
Total deaths: 158,000

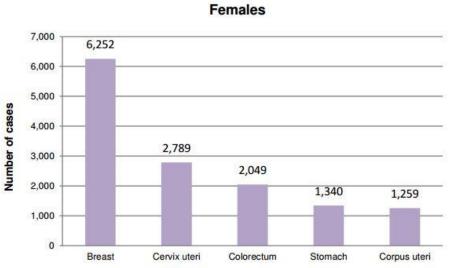
Cancer Mortality Profile





Cancer incident

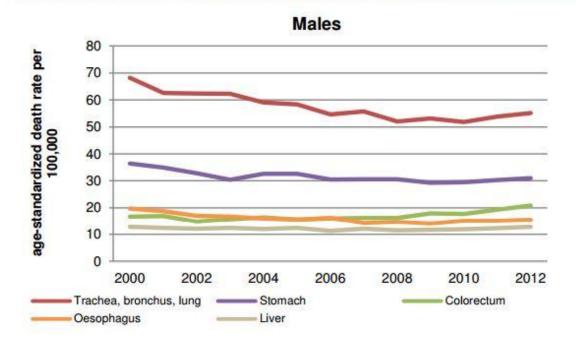


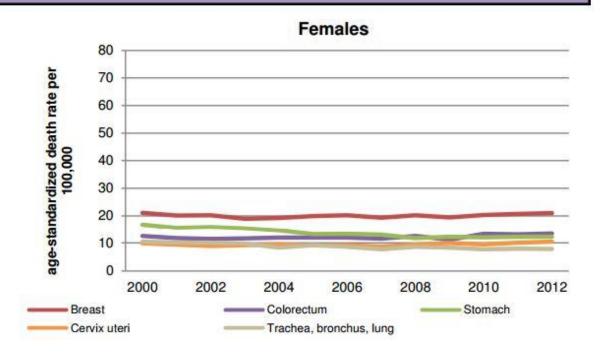


Adult Risk Factors			
	Males	Females	Total
Current tobacco smoking (2011)	40.2%	8.6%	24.4%
Total alcohol per capita consumption, in litres of pure alcohol (2010)	15.7	5.5	10.3
Physical inactivity (2010)	18.8%	21.0%	20.0%
Obesity (2014)	21.3%	25.4%	23.5%
Household solid fuel use (2012)	150		9.0%

Mortality trend

Age-Standardized Cancer Mortality Trends





Eatin Disorder

Country/Region

Extrapolated Prevalence Population Estimated Used

Kazakhstan

278,376 (1%)

15,143,704²

Eating disorders such as Anorexia, Bulemia is not very common illness in Kazakhstan.

Suggestion of treatment

- Treat the reason of the illness not symptoms
- Provide people with knowledge of healthy life stile

The eatwell plate to help you get the balance right. It shows how much of what you eat should come from each food group. Fruit and vegetables Fruit and vegetables Frods and drinks high in fat and/or sugar Public Health England is association with the Weeh Cognoment, the Scientish Cognoment and the food Standards Agency in Northern Instead





Reference list

- Country meters. 2016. Country meters. [ONLINE] Available at: http://countrymeters.info/ru/Kazakhstan. [Accessed 30 March 16].
- National Analytical Center (NAC). 2016. Country meters. [ONLINE] Available at: http://www.nac.gov.kz/upload/iblock/3f2/3f2795ec585ea99b73f6053697f60950.pdf. [Accessed 30 March 16].
- World Health Organization. 2016. Cancer Country Profiles. [ONLINE] Available at: http://www.who.int/diabetes/country-profiles/kaz_en.pdf?ua=1. [Accessed 30 March 16].
- World Heart Federation. 2016. What causes cardiovascular disease?. [ONLINE] Available at: http://www.world-heart-federation.org/heart-facts/resources/videos/about-cvd/key-facts/what-causes-cardiovascular-disease/. [Accessed 30 March 16].