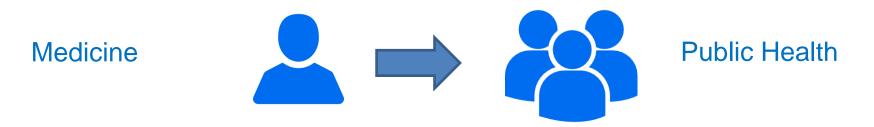


Ministry of Health of the Republic of Kazakhstan

Public Health Service model

Y. Birtanov, Minister of Health, 2017

- Background: «Densaulyk» 2016-2019 State healthcare development program: formation and development of the Public Health Service
- WHO definition: «Public health the art and science of preventing disease, prolonging life and promoting health through the organized efforts of society»



 The list of 10 Essential Public Health Operations was approved by Member States at the 62nd session of the WHO Regional Committee in 2012

Essential public health operations defined by WHO

60

14-110

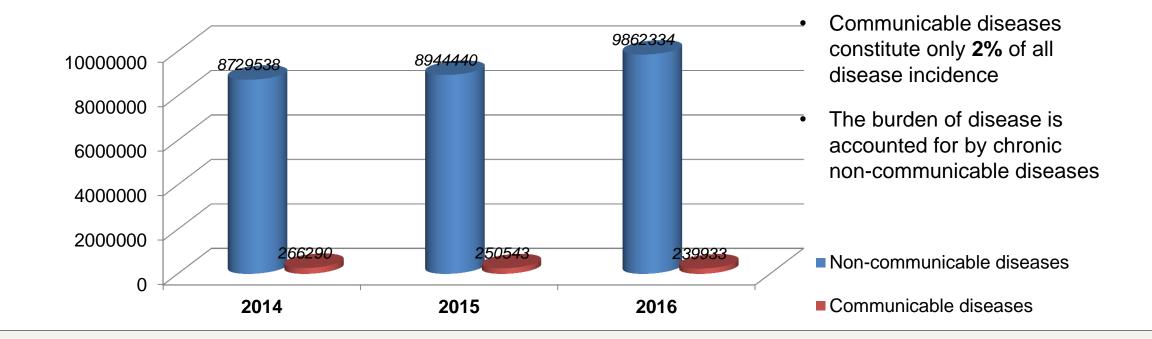
÷۲.

- 1: Surveillance of population health and well-being
- **2:** Monitoring and response to health hazards and emergencies
- **3:** Health protection, including environmental, occupational and food safety and others
 - 4: Health promotion, including action to address social determinants and health inequity
 - 5: Disease prevention, including early detection of illness
 - 6: Assuring governance for health
 - 7: Assuring a competent public health workforce
 - 8: Assuring organizational structures and financing
 - 9: Information, communication and social mobilization for health
- **10:** Advancing public health research to inform policy and practice

Public Health Services worldwide

Страна		Название соответствующей службы	
	USA	United States Public Health Service	
	England	Public Health England	
	France	Santé publique France	
*	Canada	Public Health Agency of Canada	
X	Israel	Israel Center for Disease Control	

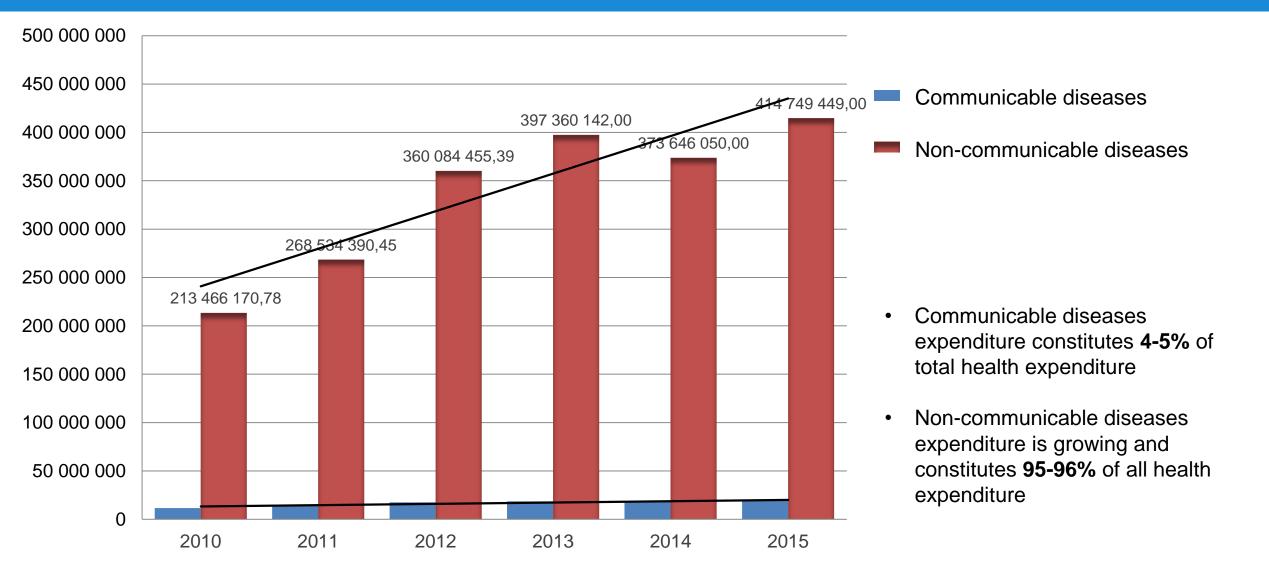
Communicable and non-communicable disease incidence



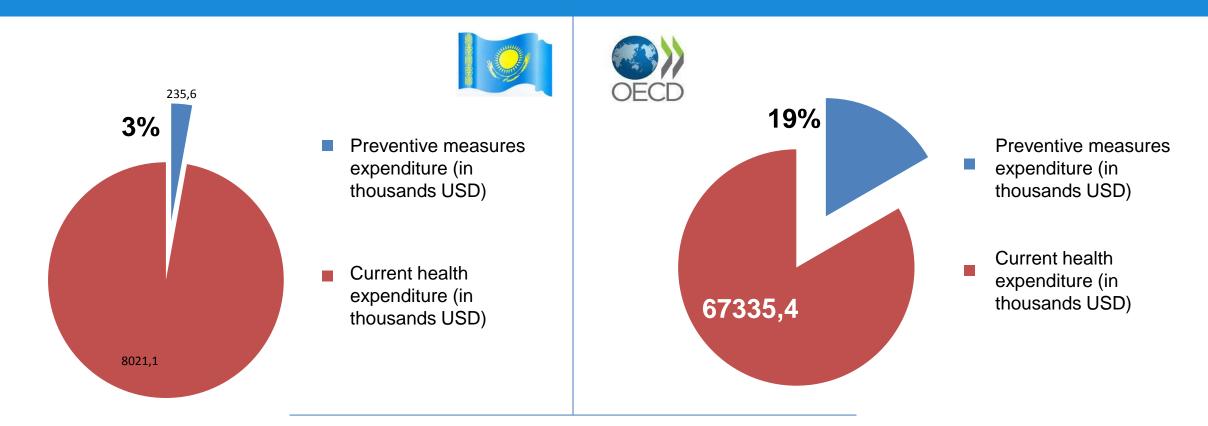
Major non-communicable diseases



Communicable diseases and non-communicable diseases expenditure



Preventive measures expenditure





Preventive measures include:

- Informative, educational and consultative programs
- Immunization programs
- Early disease detection/screening programs
- Communicable, non-communicable disease and injury surveillance
- Health environment programs

*Current health expenditure – final consumer expenditure of residents on medical products and services

Conceptual framework of the Public Health Service

Analytical evidence- based work Implementation of health promotion measures Institut Public Communicable and non-communicable disease surveillance Advocacy and communication Ass public Monitoring and response to public health emergencies surveillance Monitoring and response to public health emergencies Ass public Public health research Health protection, including environmental, occupational, food safety and others Ass public Implementation of health promotion Ass public Ass public	Mission: protection and promotion of health of the population of Kazakhstan through recognized measures									
 non-communicable disease surveillance Public health research Monitoring and response to public health emergencies disease surveillance Health protection, including environmental, occupational, food safety and others Health promotion Health promotion including early detection of illness 	Analytical evidence- Imp	Цель 3: Institutional development of the Public Health Service								
	Image: Non-communicable disease surveillanceImage: Non-communicable disease surveillanceImage: Non-communicable disease surveillanceImage: Non-communicable Image: Non-communicable 	Assuring governance for health and								

10 EPHOs

Cross-sectoral implementation of principal areas of activity of Public Health Service



trade

. 9

Public Health Service structure

Republican level	Regional level		
National Coordination Council on the protection of population's health	Interdepartmental coordination councils on the protection of population's health		
Ministry of Health	Departments of Health		
Committee for Protection of Public Health	Departments of Committee for Protection of Public Health		
Department of Strategic Development and Public Health of the Ministry of Health	Public Health Divisions at the Departments of Health		
Central executive bodies (Ministry of Culture & Sports, Ministry of Information & Communications, Ministry of Internal Affairs, Ministry of Education & Science, Ministry of Agriculture, Ministry of Investment and Development)	Local executive bodies		
National Center for Expertise	Regional branches		
Public Health Research Center	Healthy Lifestyle Development Centers		

Creation of the National Public Health Center

Mission – strengthening the capacity of the public health service, disease control and prevention

Creation of the **NPHC** by merging the **National Center for Problems of Healthy Lifestyle Development** with the following enterprises (branches)



- Hygiene and epidemiology research center named after K. Zhumatov
- Kazakh research center for quarantine and zoonotic diseases named after M. Aikimbayev

Objectives and duties of the National Public Health Center



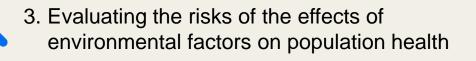
. Coordination of the Public Health Service activities



4. Developing disease management programs



2. Monitoring communicable and noncommunicable diseases





5. Training the Public Health Service workforce



6. Public health research and developing methods of influencing the population health

Principal areas of activity of Public Health Service

1. Forming the legislative framework and budgetary programs

1.1. Deregulation of control and supervision duties with refocusing on preventive activity

2. Developing the List of services of the Public Health Service

(similar to the List of guaranteed volume of free medical care)

3. Strengthening the capacity of the Public Health Service

3.1. Developing the infrastructure of the Public Health Service

3.2. Creating a unified IT-platform of the Public Health Service

3.3. Developing the workforce capacity of the Public Health Service

4. Developing public-private partnership through involvement of business

Stimulating business activity in the health industry



Fitness centers, sports clubs, swimming pools



Healthy (eco-) food: deliveries, production, restaurants



Active leisure and eco-tourism (infrastructure, accessories)



Occupational safety: manufacturing of safety products; private laboratories



IT-products, remote health monitoring solutions



Mass media: advertising, billboards, shows, programs (healthy lifestyle image)

«Creation of the Public Health Service» project

Intermediate results

Key timelines	Achievements	Measures
«Swift victories – 100 days» June 2017	 Public Health Service model Guidelines on evaluating the Service's activity based on international practice Amendment proposals for Code of Laws and other legal acts 	 Adopted structure, purpose, objectives of the Public Health Service Workforce capacity: candidate pool for employment within the institutions of the Public Health Service Adopted roadmap and project network (planning the Public Health Service activity)
«2017 victories» December 2017	 Institutional basis of the Public Health Service (restructuring and merging of institutions) Legal framework for the operation of the Public Health Service List of services of the Public Health Service 	 Formation of Public Health Research Center; draft order «On introduction of amendments to Order «On introduction of nomenclature of healthcare organizations»» Development of a unified IT-platform of the Public Health Service Amendment draft for the «On public health and health care system» Code Public Health Service financing (budgetary program)
«500 days victories» July 2018	 Public Health Service activity evaluation Creation of a Unified budgetary program to support the Public Health Service 	 Public Health Service operating on the basis of a unified public health service IT-platform

Public health service functions and expected results

Indicators	2016 KPI	2017 KPI	2018 KPI	2019 KPI
Life expectancy	71,8	72,2	72,6	73 года
 Reducing population mortality (per 100 000) from: diseases of the circulatory system malignant neoplasms; injuries & accidents 	203,1 93,5 84,9	201,7 93,3 82,3	200,2 93,1 79,8	200,0; up to 92,9; up to 77,5
Vaccination coverage in accordance with the national schedule (%)	90	93	95	≤95
Reducing obesity prevalence (per 100 000)	256,5	243,6	231,4	220
Increasing the share of the population engaging in physical training and sports (%)	27,0	28,0	29,0	≤30
Access to high-quality drinking water for rural residents (%)	73	75	78	≤80
Access to primary care and planned parenthood services for women of reproductive age (%)	85	90	95	100
Reducing alcohol consumption level (equiv. liters of pure alcohol per person)	6	5,5	5	4
Reducing tobacco smoking prevalence (% of tobacco smokers aged ≥15)	22	20	19	≤18
Reducing the number of road traffic accidents with injuries (no of cases)	19570	19178	18794	18 418
HIV prevalence in people aged 15-49 (%)	0,26	0,33	0,41	0,51
Tuberculosis incidence (per 100 000)	63,1	61,5	59,9	57,0 14