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OCCUPATIONAL HEALTH AND SAFETY IN RUSSIA: TODAY AND FUTURE

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National health depends on the quality of a working force which is the basis of any economic model of any state.

Development of innovative economy in Russia has led to serious challenges related to progressing insufficiency of labour resource, the latter being one of the main strategic risks and threats to national safety for a long-term perspective in the field of economic growth. («Strategy of National Safety in the RF till 2020 » approved by N 537 Decree of President of Russian Federation on 12 May, 2009



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In accordance with Russian State Statistics Committee (ROSSTAT), till 2030 decrease of capable to work population will have reached 13 mln about. Along with this 80% of loss will fall on the years till 2020, which on average will make up 1 mln of people annually.

During 1987- 2008 infant and children mortality almost twice decreased. In elder aging groups mortality either stagnated or insufficiently decreased per 10%-20% while in active to work age groups from 16 to 59 it more than doubled its growth (1.5-2.5 times growth).

Last 6 years mortality level in Russia was decreased, and life duration elevated on 4 years. Life expectancy till 2011 increased to 70.3 years. But life span is shorter than in “new European” countries for 6.5 years and than in “old European” countries for 12.5 years.

The key role in low life expectancy plays a high mortality among working-age people, mainly men. In terms of mortality in this age group ahead of other European countries more than in 2 times.



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At the 1st National Congress of Russian doctors (October 2012) Minister of Health V.Skvortsova noted that the growing global epidemic of noncommunicable diseases, which are the leading cause of death and disability worldwide and in Russia too. The reason of 90% deaths of people up to 60 years are cardiovascular, cancer, respiratory diseases and diabetes.

It should be remembered that half of them are working population. The share of persons who have not lived up to 60 years old, accounted for 39.7% of all deaths.

According ROSSTAT data, the the share of workers employed in harmful and dangerous working conditions is very high. The most heavy picture is at women workplaces.

The share of men employed in heavy work, in RF has increased over last 7 years by 93.2%, and for women has increased in 2.7 times.



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Years	Distribution of supervision objects in RF on sanitary-epidemiological well-being (%)		
	satisfactory	poor	Extremely poor
2007	22,67	60,82	16,51
2008	22,44	62,65	14,91
2009	22,25	64,01	13,74
2010	23,34	64,15	12,52
2011	25,28	63,78	10,94



Occupational diseases morbidity index (per 10 000 workers)



Years	Occupational poisonings	Occupational diseases	Occupational diseases and poisonings
2007	0,04	1,55	1,59
2008	0,03	1,49	1,52
2009	0,04	1,75	1,79
2010	0,02	1,71	1,73
2011	0,03	1,89	1,92



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- **State concept of demographic policy in RF for the period till 2020 among other tasks posed to be fulfilled by public health, specifies “reduction of mortality rates primarily of capable to work population”.**
- **This task along with the others includes reduction of mortality rates, occupational injuries and pathologies at the expense of:**
 - **transfer in the sphere of safety at work to the system of occupational risks assessment and management (including awareness by workers of relevant occupational risks, development of system of identification, risks assessment, management and control);**
 - **economic motivation for an employer to improve working conditions**



TODAY

Membership in the World Trade Organization lead to:

- **Innovative economics (knowledge, based on workers' physical and mental health).**
- **The role of human capital as a factor of economic development elevation.**
- **Workers health state attention acceleration.**
- **workers health care system renovation and harmonization with international standards.**



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TODAY

- **The Decree of the Government of the RF from September 28, 2009 N 761 "On ensuring of Russian sanitary-epidemiological requirements, veterinary-sanitary and phytosanitary measures harmonization with international standards"**
- **The Order of Ministry of Health of RFa from July 30, 2010. N 581n "On approval of legal acts, establishing the sanitary-epidemiological requirements, in terms of conformity to international standards procedure of expert evaluation".**
- **Federal Law "About Foundations of Population Health Protection in Russian Federation " from November 21, 2011. N 323-FL
Definition "health" as "human physical, mental and social well-being without diseases and organism' functions and systems disorders absences"**
- **"Labour Code of RF" 2011: were been included definitions:
"professional risks"; "professional risks management"**



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TODAY

- **Federal law ratified in October 2010 the ILO Convention On fundamentals promoting safety at work and occupational hygiene (187). The aim of the convention is to prevent injuries at work, occupational pathologies and deaths of workers through development of national policy, national preventive system and national health program.**
- **This fully conforms to WHO Global Plan of Action on Workers' Health adopted in May 2007 with recommendation to develop in member-states national health programs and national occupational health systems.**



Near FUTURE

Adoption: ILO Convention No. 161

Occupational Health Services Convention

Paradigm shift:

from

Labour safety



to

Health and safety at work



Realization

- **National program of actions to improve working conditions and safety at work for 2011-2015 offers incremental reduction of hazardous and harmful to health workplaces and introduction of health lifestyle programs for workers.**
- **Russia regards development of new national system of occupational risks management as a tool to prevent injuries and promote workers' health at Russian enterprises.**
- **For this problems successful solving today Federal Program project "Workers health of Russia" as well as National model of Occupational Health system are developed and improved.**



Implementation of the Program will help to accelerate a shift from



risk response system to accidents and compensations due to adverse outcomes



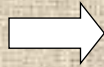
to occupational risks assessment, management and control system and elimination of causes that may otherwise lead to dangerous accidents

formal punishment system for irrelevance and failure to observe requirements of current legislation



to system of economic stimuli aimed at providing safe working conditions and introduction of safe technologies at working places

“writing off” approach to issuing compensations to workers



to compensations calculated due to real conditions at working places

existing insurance system based on formal tariffs calculated by mean indices with regard to types of economic activity



to insurance system based on individual tariffs and actual indices of occupational risks at a given enterprise

Employer is responsible for occupational risks and must pay for its!



Main elements of occupational risks assessment and management system



- **Development of legal base in the field of occupational risks assessment and management in the Russian Federation**
- **Methodology of occupational risks assessment and control**
- **Modernization of social insurance system and transfer to system of occupational risks insurance with regard to real working conditions**
- **Uniform information cyberspace in the field of occupational risks assessment, insurance and control**
- **Proper equipping and competences of supervising bodies in the field of occupational risks assessment and control**
- **Development of an institution of auditors in the field of occupational risks assessment**



Main elements of occupational risks assessment and management system



- **Regulations on occupational risks controlling system in Russian Federation**
- **Scheme, development and data registration system on working conditions, industrial injuries at workplaces and data on levels of occupational risks in a given enterprise**
- **Standard on assessment of occupational risks**
- **Regulations on occupational risks control**
- **Concept of occupational risks assessment to cause harm to workers' life and health with regard to individually accumulated exposure dose of dangerous and harmful industrial factor**



What is need? Regulatory acts in the area of health assessment of workers



- **Requirements to medical organizations rendering secondary occupation aid**
- **Methods used to perform pre-work and regular medical examinations when the process is based on occupational risks assessment with regard to real dangerous and/or harmful industrial factors**
- **Methodological recommendations to assess and register risks of occupationally-induced diseases**
- **Programs to prevent occupational diseases in workers engaged in dangerous and/or harmful working conditions with regard to adverse social factors (alcohol abuse, tobacco smoking, improper nutrition)**



TODAY: Legislation



- **The Order of Ministry of Health and Social Development of RF “Work places attestation on working conditions” from Aprile 26, 2011. № 342n,**
- **The Order of Ministry of Health and Social Development of RF from Aprile 12, 2011 №302n “On conducting preliminary and regular medical examinations of workers engaged in hazardous and harmful working environment”**
- **The Order of Ministry of Health and Social Development of RF from March 23, 2011 № 233n “Order and time of Procedure for rendering medical aid due to acute and chronic occupational pathologies (poisonings)”.**
- **The Order of Ministry of Health and Social Development of RF from Aprile 27, 2012 № 417n “About list of occupational diseases adoption”.**



TODAY: Legislation



- **The Order of Ministry of Health and Social Development of RF from July 7, 2009 N 415n were adopted qualifying requirements for specialties: “occupational hygiene” and “occupational medicine”;**
- **The Order of Ministry of Health and Social Development of RF from July 23, 2010 №541n were adopted qualifying requirements for post “physician as factory’s sectional doctor”, etc.;**
- **The Orders of Ministry of Health and Social Development of RF from July 23, 2010 №541n and from September 7, 2011 №801n were adopted the classification of posts that includes:
“obstetrician-gynecologist as factory’s sectional doctor”;
“occupational medicine doctor”; “occupational hygiene doctor”;
“physician as factory’s sectional doctor”; “assistant of occupational hygiene doctor”; “occupational physiology specialist”; “ergonomics specialist”, etc.**



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Federal scientific Center “Workers Health and Safety” arrangement will ensure successful scientific, legislative, practical, economical, educational, informational activity coordination and integration in Russia in area of workers health ensuring, occupational risks decrease, occupational and work related diseases lowering as well as occupational health system modernization

Thank you for attention

