System of standardization in the Republic of Kazakhstan

Astana, 2015 y.
## System of standardization in the Republic of Kazakhstan

- **Standardization** – the activity directed on achievement of optimum extent of streamlining of characteristics of processes, medical technologies and services by development, introduction and ensuring compliance with standards, requirements, norms, instructions, rules.

- **The standard in the field of health care** - the normative legal act establishing rules, the general principles and characteristics in the sphere of medical, pharmaceutical activity, medical and pharmaceutical education.

### Types of standards

<table>
<thead>
<tr>
<th>On each nosology</th>
<th>Profile services</th>
<th>In forms of providing medical care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set requirements, normal range and procedure of MC only for individual nosology. It is a CP.</td>
<td>Set requirements, normal range and procedure of MC only for based forms of MC and accordance with the CP</td>
<td>Set requirements, normal range and procedure of MC separately for each form presentation-not identifiably medical service temporary</td>
</tr>
</tbody>
</table>

*The order of the Republic of Kazakhstan «On public health and health care system»*
### Standards of the organization of delivery of health care of profile services

<table>
<thead>
<tr>
<th>PROFILE SERVICES</th>
<th>It is developed standards</th>
<th>Including</th>
<th>Development in 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount</td>
<td>There are provisions</td>
<td>2012-2014 years</td>
<td>2015 year</td>
</tr>
<tr>
<td>55</td>
<td>32 (58%)</td>
<td>24 (44%)</td>
<td>18</td>
</tr>
</tbody>
</table>

**The approved:**
1. Emergency medical service and medical care in the form of sanitary aircraft
2. Oncological care
3. Transfusion care
4. Palliative care
5. Medical rehabilitation
6. Nephrological care
7. Narcological care
8. Nurses care
9. Traumatologic and orthopedic care
10. Urological care

**On coordination:**
1. Cardiological and cardiosurgical care
2. Neurologic care
3. Obstetric care
4. Dermatovenereology care
5. The pediatric care to children from 0 to 5 years
6. Neurosurgical care
7. Endocrinological care
8. Фтизиатрия
9. Psychiatrics
10. Rheumatology
11. Pulmonology
12. Ophthalmology
13. Primary care
14. Geriatrics

**Development in 2016:**
1. Anesthesiology and emergency medicine
2. Allergology
3. Otorhinolaryngology
4. Clinical pharmacology
5. Pathologic anatomy
6. Gastroenterology
7. Stomatology
8. Clinical laboratory
The clinical protocol - the document establishing the general requirements to delivery of health care to the patient at a certain disease or a clinical situation (The order of the Republic of Kazakhstan «On public health and health care system», item 59-1 of article 1)

Subjects of health care at delivery of health care are guided by clinical protocols (item 3 of article 33)

Types of clinical protocols

- Clinical protocol of diagnostics and treatment
- Clinical protocol of expeditious and diagnostic intervention
- Clinical protocol of medical rehabilitation
- Clinical protocol of palliative care
International experience

- **The clinical guideline** – the statements which are systematically developed on the principles of evidential medicine or the recommendation for assistance to the practical doctor at making decision on rendering the appropriate medical care at certain clinical situations.
- The clinical guidelines have scientifically evidential base and have advisory nature.
- The total amount of 1 clinical guideline averages 100-300 pages.
- **The clinical protocol** – the instrument of introduction of the clinical guidelines, the plan or a set of steps which define how medical care at a certain disease will be provided.

### Great Britain

National Institute for Clinical Excellence (NICE), created by the National health service of Great Britain

1038 clinical guidelines within 10 years are developed.

[http://www.nice.org.uk](http://www.nice.org.uk)

### USA

National center of the analysis and synthesis of information of the USA

More than 1000 clinical guidelines over the last 10 years are developed.


### Canada

National center of the analysis and synthesis of information of the USA

More than 300 clinical guidelines are developed.


In a year development on average **5-6 clinical guidelines**

Adaptation (the short version) of the clinical guidelines – **6 months**

Revision of the clinical managements in **3 years** for temporary maintenance of actual base
### Base of clinical protocols to 01.01.2015 y.

<table>
<thead>
<tr>
<th>№</th>
<th>Order's name</th>
<th>Date</th>
<th>№</th>
<th>Quantity CP</th>
<th>Reconsider</th>
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<tbody>
<tr>
<td>1</td>
<td>Adoption of protocols of diagnostics and treatment</td>
<td>28.12.2007 year</td>
<td>№ 764</td>
<td>306</td>
<td>185 (61%)</td>
</tr>
<tr>
<td>2</td>
<td>Adoption of protocols of diagnostics and treatment</td>
<td>07.04.2010 year</td>
<td>№ 239</td>
<td>186</td>
<td>29 (16%)</td>
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<tr>
<td>3</td>
<td>Adoption of protocols of diagnostics and treatment of HIV infection and AIDS</td>
<td>05.01.2011 year</td>
<td>№ 8</td>
<td>2</td>
<td>2 (100%)</td>
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<td>4</td>
<td>Modification and additions in the order of the Minister of Health of the</td>
<td>01.08.2011 year</td>
<td>№ 490</td>
<td>24</td>
<td>24 (100%)</td>
</tr>
<tr>
<td></td>
<td>Republic of Kazakhstan of December 28, 2007 No. 764 &quot;About the adoption of</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>protocols of diagnostics and treatment&quot;</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>5</td>
<td>Modification and additions in the order of the Minister of Health of the</td>
<td>02.12.2011 year</td>
<td>№ 869</td>
<td>6</td>
<td>6 (100%)</td>
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<td></td>
<td>protocols of diagnostics and treatment&quot;</td>
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<td>6</td>
<td>Entering of additions into the order of the deputy. The Minister of Health</td>
<td>08.12.2011 year</td>
<td>№ 880</td>
<td>1</td>
<td>1 (100%)</td>
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<td>of the Republic of Kazakhstan of January 5, 2011 No. 8 &quot;About the adoption</td>
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<td>of protocols of diagnostics and treatment of HIV infection and AIDS&quot;</td>
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<td>7</td>
<td>Modification of the order of the deputy. The Minister of Health of the</td>
<td>11.03.2012 year</td>
<td>№ 165</td>
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<td>protocols of diagnostics and treatment of HIV infection and AIDS&quot;</td>
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<td>8</td>
<td>Entering of additions into the order of the Minister of Health of the</td>
<td>25.12.2012 year</td>
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<td>9</td>
<td>The order of the Minister of Healthcare of the Republic of Kazakhstan of</td>
<td>26.07.2013 year</td>
<td>№ 434</td>
<td>22</td>
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<td>July 26, 2013 No. 434 Entering of additions into the order of the Minister</td>
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<tr>
<td></td>
<td><strong>Overall</strong></td>
<td></td>
<td><strong>604</strong></td>
<td><strong>277 (46%)</strong></td>
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<tr>
<td>10</td>
<td>CP, approved by the Commission of experts concerning development of health</td>
<td>2013 year</td>
<td></td>
<td>224</td>
<td>4 (2%)</td>
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<tr>
<td></td>
<td>care MHSD RK</td>
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<td>11</td>
<td>CP, approved by the Commission of experts concerning development of health</td>
<td>2014 year</td>
<td></td>
<td>255</td>
<td></td>
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<tr>
<td></td>
<td>care RCHD MHSD RK</td>
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</table>
Formation of full base of clinical protocols in the Republic of Kazakhstan before 2017

Actual clinical protocol are published on the website RCHD www.rcrz.kz

In total base of CP for the end of 2015 – 755 CP
The of 2015 – 276 CP
Development stages of the clinical protocol

Prioritization of subject’s order of clinical protocols

Formation of the working groups (WG)

Training of WG, methodological maintenance of WG

Search of the recommendations having evidential base

Selection of recommendations

Formation of the text

Reviewing of clinical protocols

Expert evaluation

*The methodical recommendation "An order of development and improvement of the clinical protocols developed on the basis of the clinical guideline", the approved MHSD RK of November 24, 2014
In the course of selection members of the working group submit the declaration of the conflict of interests: information on the existing financial relationship with the pharmaceutical companies, producers of medicines and medical equipment.
Process of improvement of clinical protocols

New technology
(therapeutic agent, medical service)

Assessment of technologies
* Safety
* Efficiency
* Benefit
* Expenses - Efficiency

Adaptation of recommendations of the international clinical guidelines

Reference books, drug formulary

Clinical protocols

Monitoring and review of technologies
* Post marketing analysis
* Clinical practice
The expected results of application of clinical protocols

- Improvement delivery of health care by approach of medical practice of Kazakhstan to the international standards of delivery of health care
- Improvement of quality and efficiency of the provided medical care
- Decrease in risk of complications and lethal outcomes
- Decrease in frequency of application of inefficient techniques of treatment and prevention, low-informative methods of diagnostics, unsafe medicines and surgical interventions
- Increase of economic efficiency of health care
Thank you for your attention

Astana, 2015 y.