Health care system in Kazakhstan: issues of drug provision and HTA
- 17,010,564 million population
- 12,006.59 $ GDP per capita (11,356.6 for 2011)
- Health expenditure per capita (current US$) - 454.9 (2011)
- Healthcare financing:
  - The State Budget
Benefit Package include:
Emergency care and the package of separate in- and outpatient care
the state program of health care reform in the years 2005-2010

the state program of health care reform in the years 2011-2015

Health Sector Technology Transfer and Institutional Reform
Project: **Health Sector Technology Transfer and Institutional Reform**

**Center of standardization and HTA**

Aim: to improve the quality of care through the implementation of the clinical guidelines and protocols and HTA

**Drug information center**

Aim: to inform the public and to assist the work of Formulary system
Kazakhstan National formulary system

**Medical organization**

- **ODAC specialists**
  
  Consists of not less than 5 person: scientists and physicians

**Regional level**

Consists of not less than 7 people: senior pharmaceutical specialists of oblast and city health departments

**FCMOH**

DIC specialists of RCHD

Consists experts of MOH, scientists, physicians and others.
Purpose of the HTA in Kazakhstan

- Development of HTA implementation strategy, as an important political instrument.
- Establishing and strengthening the linkages between the health policy and
- Dissemination of HTA results and EBM healthcare system, as a part of modern health care system
Capacity building

2011-2013

- 1 specialist is taking the 2 years long Master program in Canada

2012:

- 2 specialists trained in the Netherlands for 2 months
- 3 training sessions conducted and 190 Kazakhstani specialists from medical universities, research institutes and centers, large clinics OMT methodology (including 2 training - Canadian company CSIH) were trained

2013: Formed the base of experts from the learning environment for attracting and holding HTA

- 2 Trainings for decision-makers 60 health care managers from 16 regional health departments
5 HTA reports prepared to MoH task with CSIH

<table>
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<tr>
<th>Technology title</th>
<th>Implementation results</th>
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| Bilateral and unilateral cochlear implantation in children                       | CPG development  
Developing of Clinical guidelines, The development of a process map for the rehabilitation of the implanted children;  
Up to 2015 relevant health facilities will be equipped for screening  
Cooperation among other ministries                                                                                                           |
| FISH and other cytogenetic methods in early prenatal diagnosis                    | This method is recommended to be used with other methods of diagnosis, but is not included in the Benefit Package                                                                                                         |
| Clinical and cost-effectiveness of combination therapy with interferon for the treatment of chronic hepatitis C in adult patients | State Benefit Package includes the combined therapy                                                                                                                                                                     |
| Hemodialysis  
Efficacy and safety of early dialysis versus late-onset patients with end-stage renal failure | Developed CG has a statement of not using hemodialysis at the early stage                                                                                                                                             |
| Coronary stents (bare metal versus drug eluting) in patients with STEMI: review of clinical and economic effectiveness | Provide a framework of SBP payment of drug-alluted and bare stents                                                                                                                                                   |
Decision-making

- MOH
  - Task for HTA doing

- HTA Department
  - HTA report preparation

- Expert Council in RCHD
  - Recommendations for decision makers

- Expert commission in MOH
  - Final decision
Future plans

- Improving the process of HTA
- Increase the capacity of experts in HTA
- Engaging in the process of HTA representatives of medical professional societies, patient-oriented organizations and patients.