Further step in developing NPI – systematizing approaches to planning and implementing NPI in changing political and economic environment

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NPI Goals and Objectives

- Maintaining high coverage rates for EPI-vaccines: BCG, DTP, OPV, Measles, Mumps, Hepatitis-B
- Reducing measles morbidity to less than 1 case per 100,000
- Minimizing level of postvaccinal complications
- Reducing vaccine wastage rates
NPI Goals and Objectives

- Maintaining reliable cold chain
- Ensuring injection safety through implementing AD syringes and staff training
- Ensuring safe waste disposal
Major problems of the NPI

- Imperfect NPI management system, especially data collection and processing, epidemiological monitoring & surveillance
- Registering fatal post-vaccinal complications
- Lacking financing for National injection safety program
Major problems of the NPI

- Worn-out cold chain equipment needing replacement
- Poorly developed process of vaccine procurement
- Staff lacking knowledge and skills
- Low mumps vaccine coverage
Major expense line items for NPI
(2000, 2002, projection)

- Labour cost
- Building maintenance and repair
- Procurement of vaccines and AD-syringes
- Cold chain equipment procurement and maintenance
- Transport-relates expenditures
‘Secure’ and ‘Not-so-secure’ expense line items

- **Line items with secure funding**
  - Labour cost
  - Building maintenance and repair

- **Line items with ‘unsecured’ funding**
  - Vaccines and injection supplies
  - Cold chain equipment procurement and maintenance
  - Transport-related expenditures
Vaccine procurement for NPI

- Government - 2003 and on
- GAVI 2001 - 2005
- Government - 2002
- JICA - 2001
- Government - 2000
- Governments of Uzbekistan and Japan - 1995-1999

Donor assistance
- FSP
- Intergovernmental Agreement
Vaccine procurement for NPI

Factors with positive impact:
- Government readiness to comply with the obligations taken and to gradually increase budgetary allocations for vaccine procurement
- Moderate growth of National economy

Factors with negative impact:
- Lack of well-established mechanism for centralized vaccine procurement – results in delays and stock-outs
Procurement and maintenance of cold chain equipment

**Tasks:**
- Cold chain inventory
- Developing the cold chain structure taking into account availability of power supply on the local level
- Securing reliable financing for cold chain equipment procurement and maintenance
- Improving vaccination strategies for locations with no reliable power sources
Providing for injection safety (IS)

- Staff training in IS practice
- Comprehensive implementation of IS protocols
- Amending system of incentives and penalties related to vaccine use efficiency
Strategies for achieving NPI goals and financial sustainability

- **Mobilizing additional resources**
  - MOF – financing routine immunization schedule
  - Search for donor’s assistance in financing NDI (measles, 2005)

- **Improving reliability of financing sources**
  - Developing – in collaboration with MOF – and implementing mechanisms for centralized vaccine procurement
  - Elaborating dialog tactics for convincing oblast authorities to maintain continuous cold chain functioning
Strategies for achieving NPI goals and financial sustainability

- Maximizing program efficiency to minimize the need in additional resources
  - Regular analysis of vaccine presentation and combination mix offered by suppliers to estimate optimal set of procured vaccines
  - Training healthcare staff in safe injection practice
  - Implementing management information system (MIS) to improve resource use efficiency
Relevance of FSP

- Allows to assess real NPI needs
- Provides detail description of the financial needs by line items
- Allows studying program sensitivity to presentation mix and wastage rates
- May serve as a blue-print for similar planning in other programs
Lessons learnt from FSP development

- Skills acquired for comprehensive analysis of NPI expense line items and for estimating budget for each line item
- Multisector approach to problem-solving is much more effective
- Decisions taken should be put on paper
- FSP is not a one-time event – it is a reiterative process
Thanks for assistance and collaborative experience