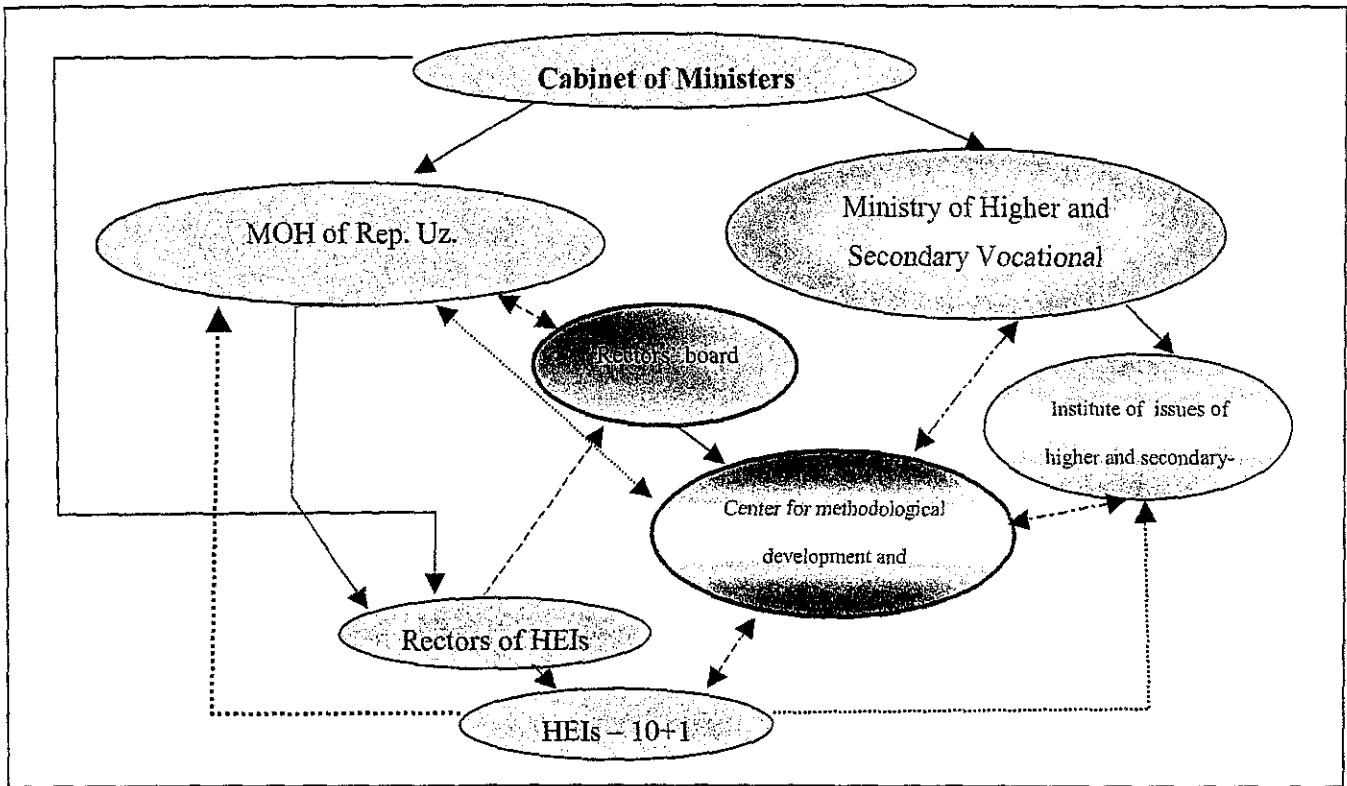
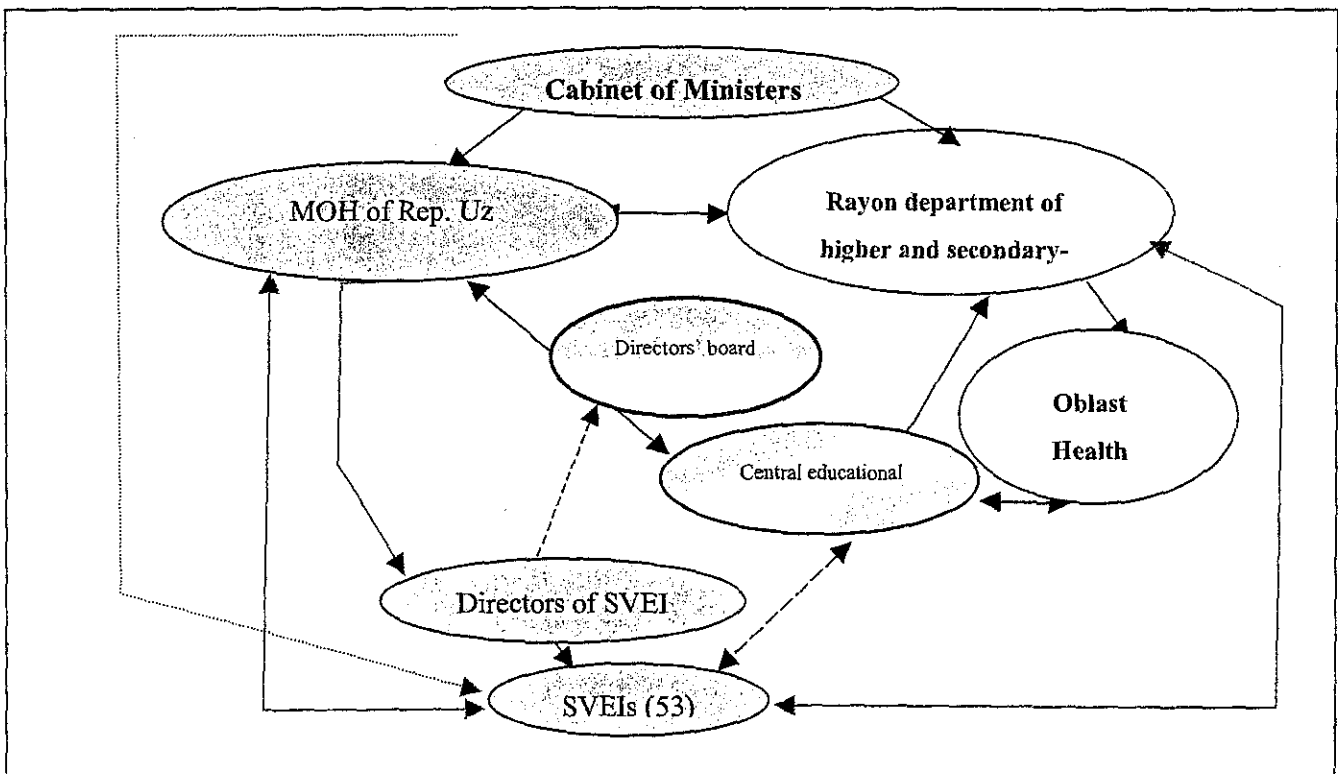


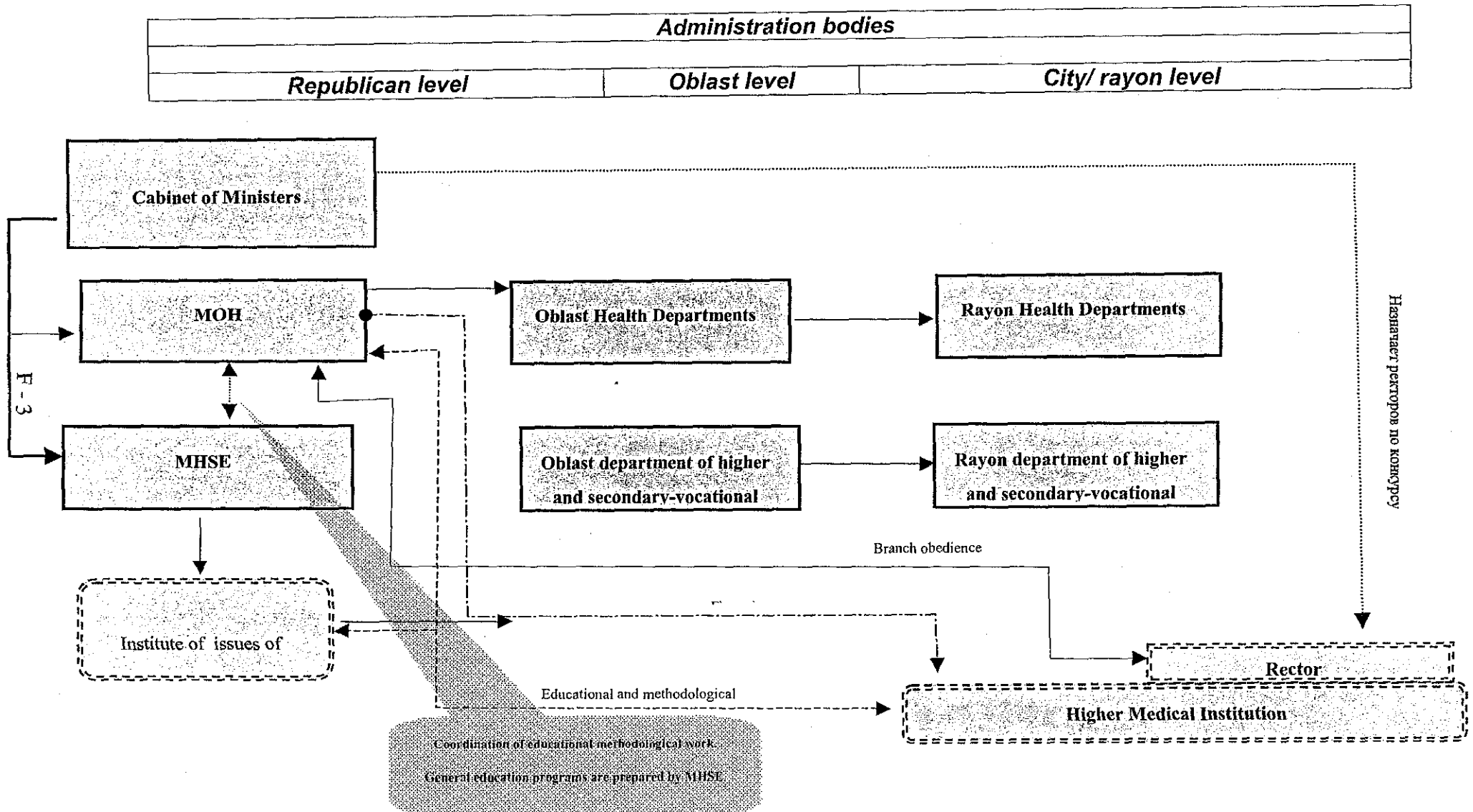
Figure 1 The Structure of Service and Maintenance of Medical Technique and Equipment



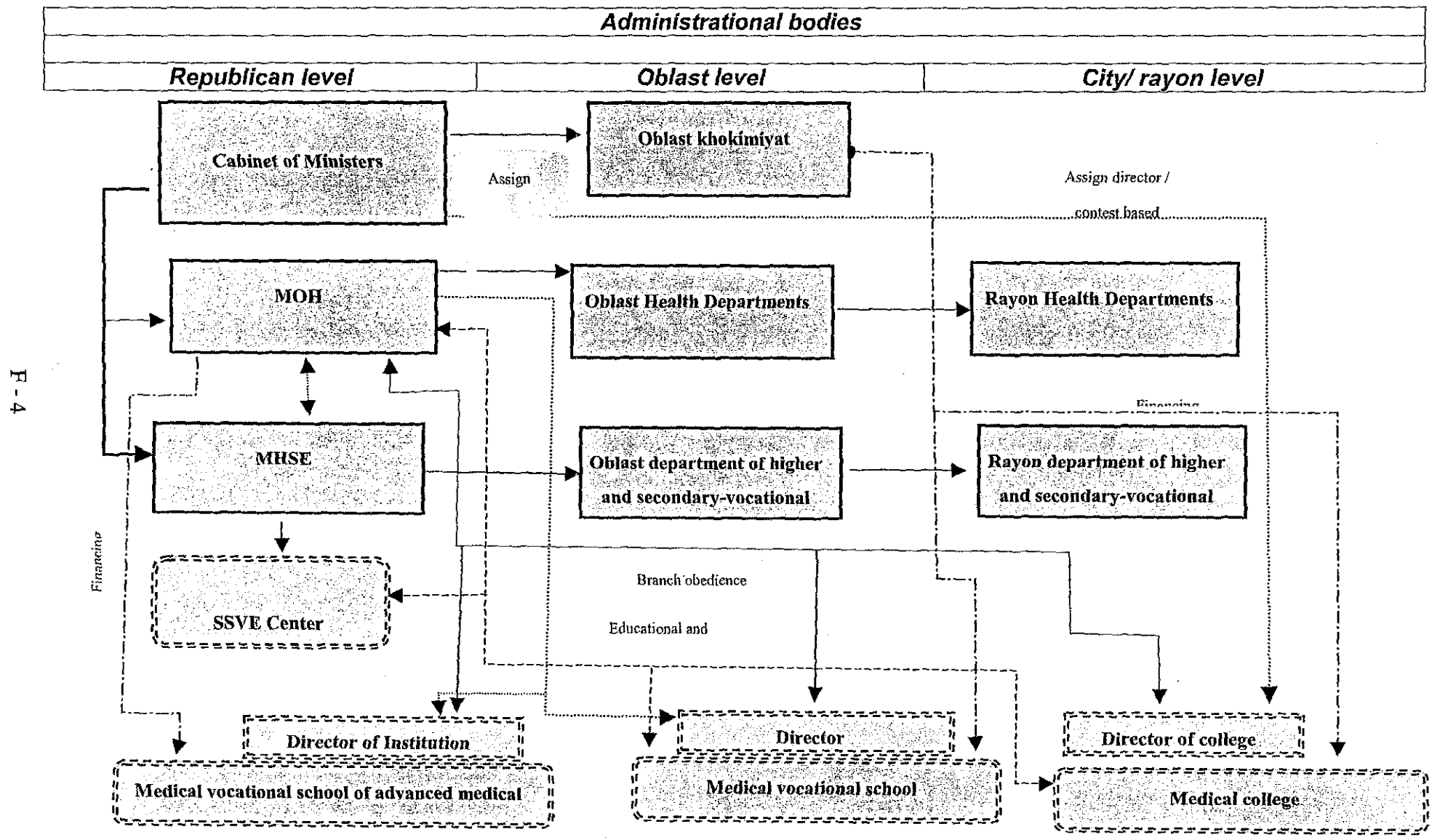
**Figure 2 Interaction in the System of Higher Medical Education**



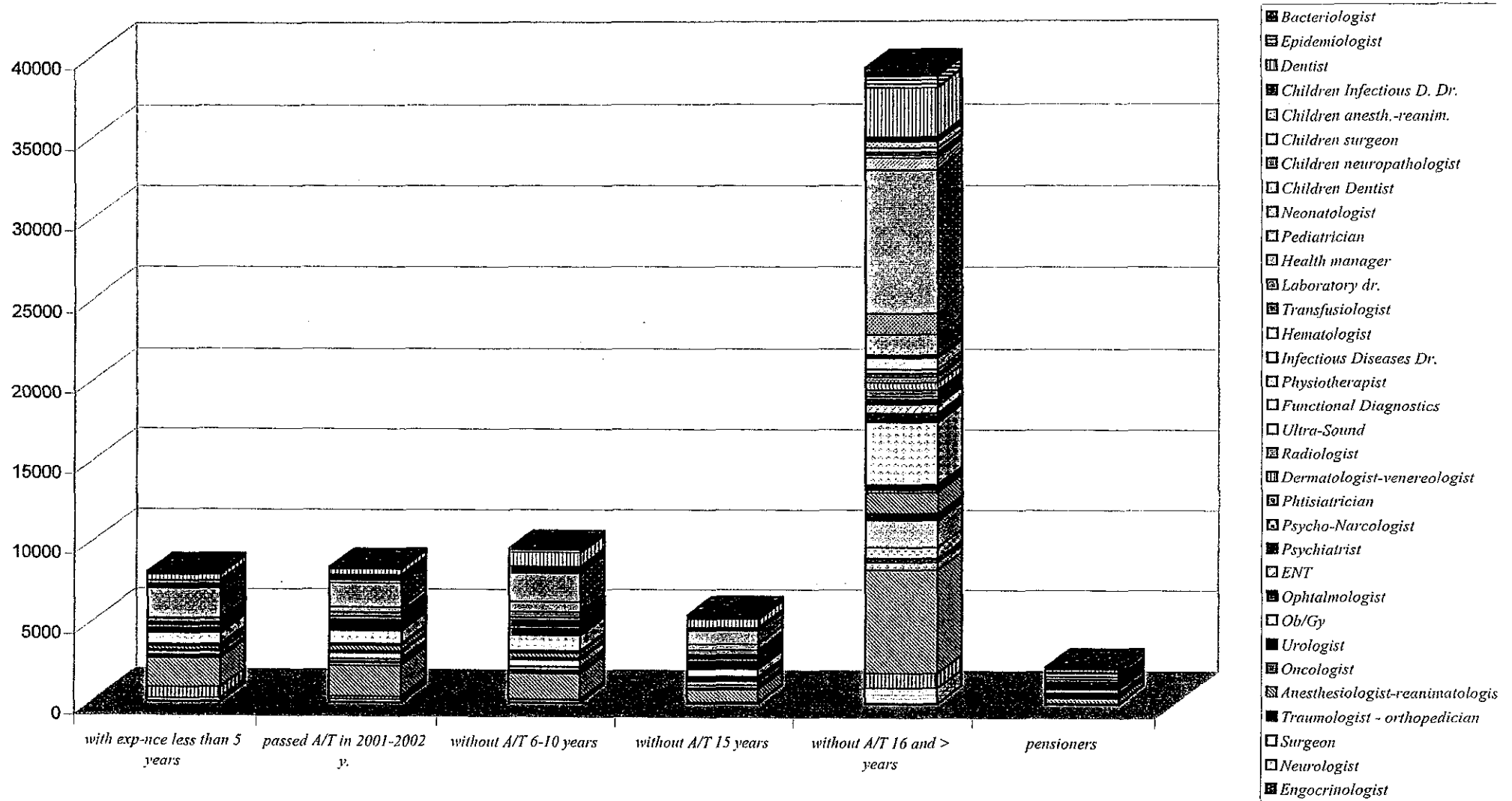
**Figure 3 Interaction in the System of Secondary Special Professional Medical Education**



**Figure 4 The system of Management and Financing of Medical HEI**



**Figure 5 The System of Management and Financing of Medical SVEI**



**Figure 6 Indicators of Advanced Training Education of Physicians by Specialties (2002)**

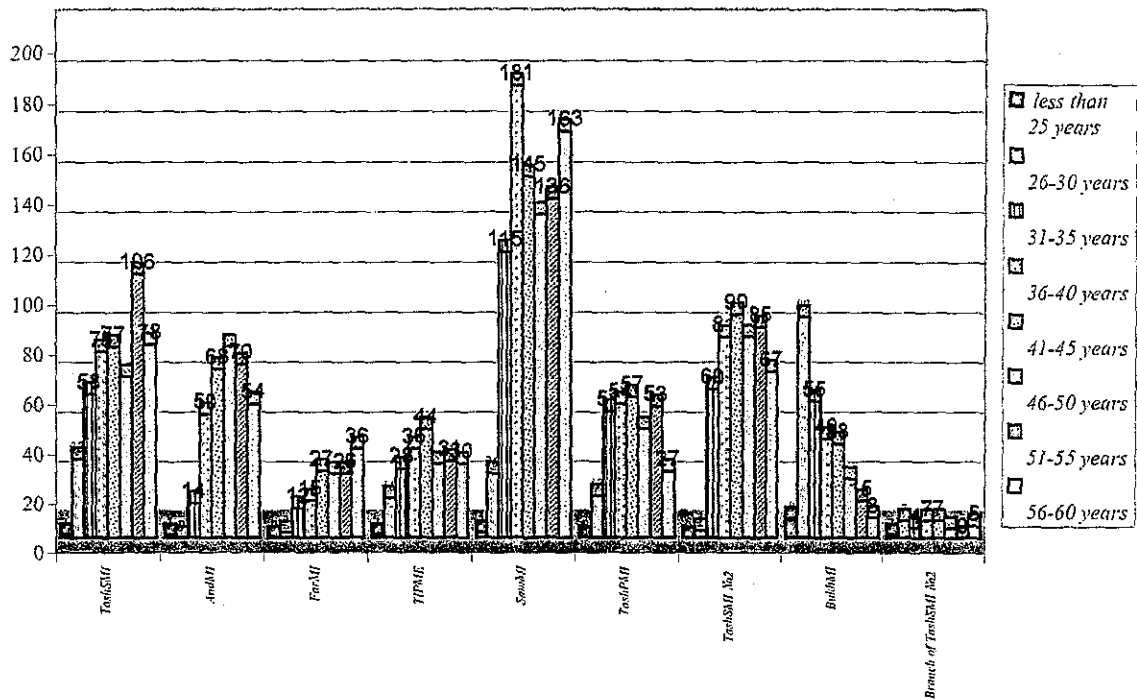


Figure 7 No. of Faculty Members of HEIs: Allocation by Age Group (2003)

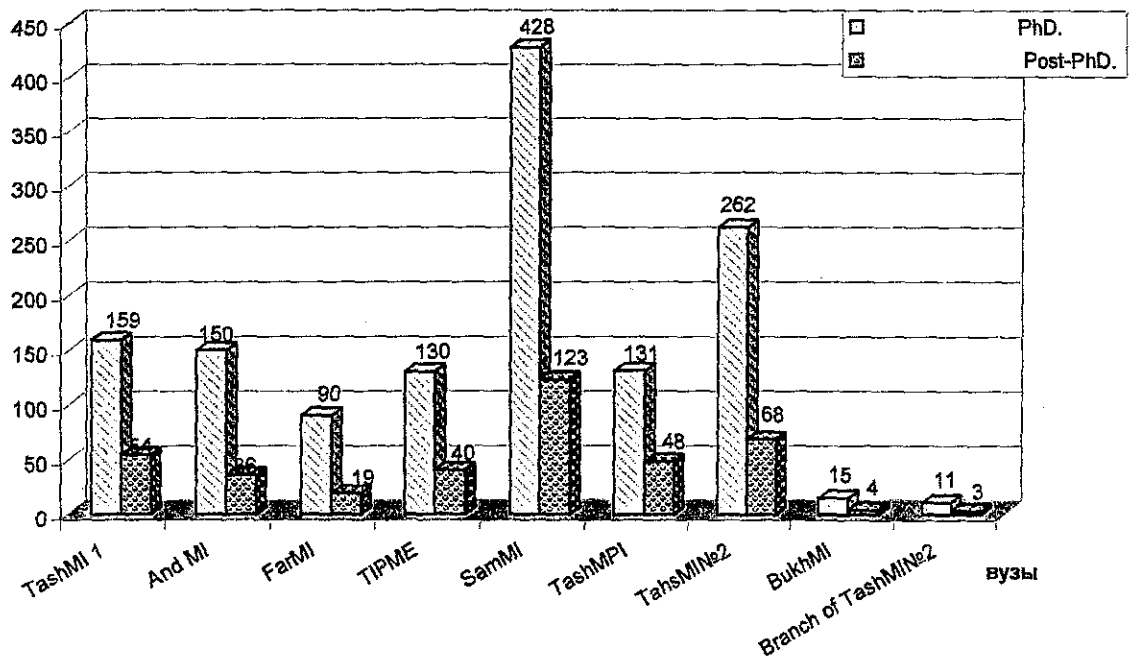


Figure 8 No. of Faculty Members of HEIs: Number of Doctors and Candidates of Medical Sciences (Post-PhD and PhD Degree) (2003)

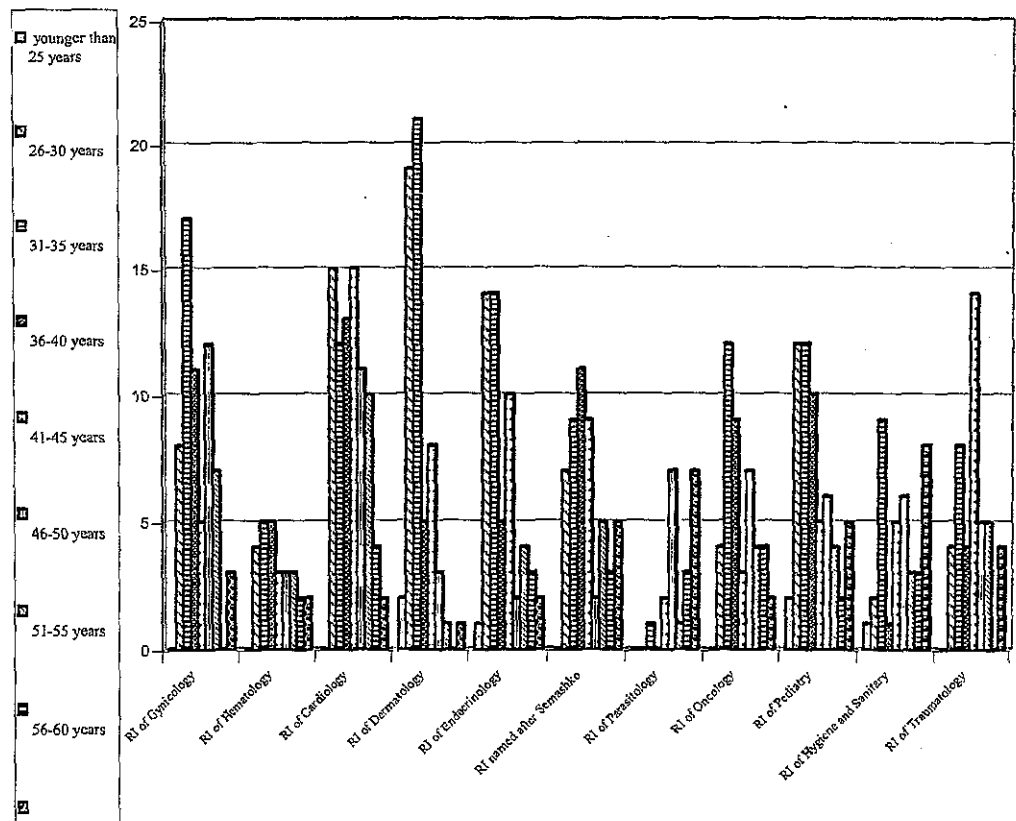
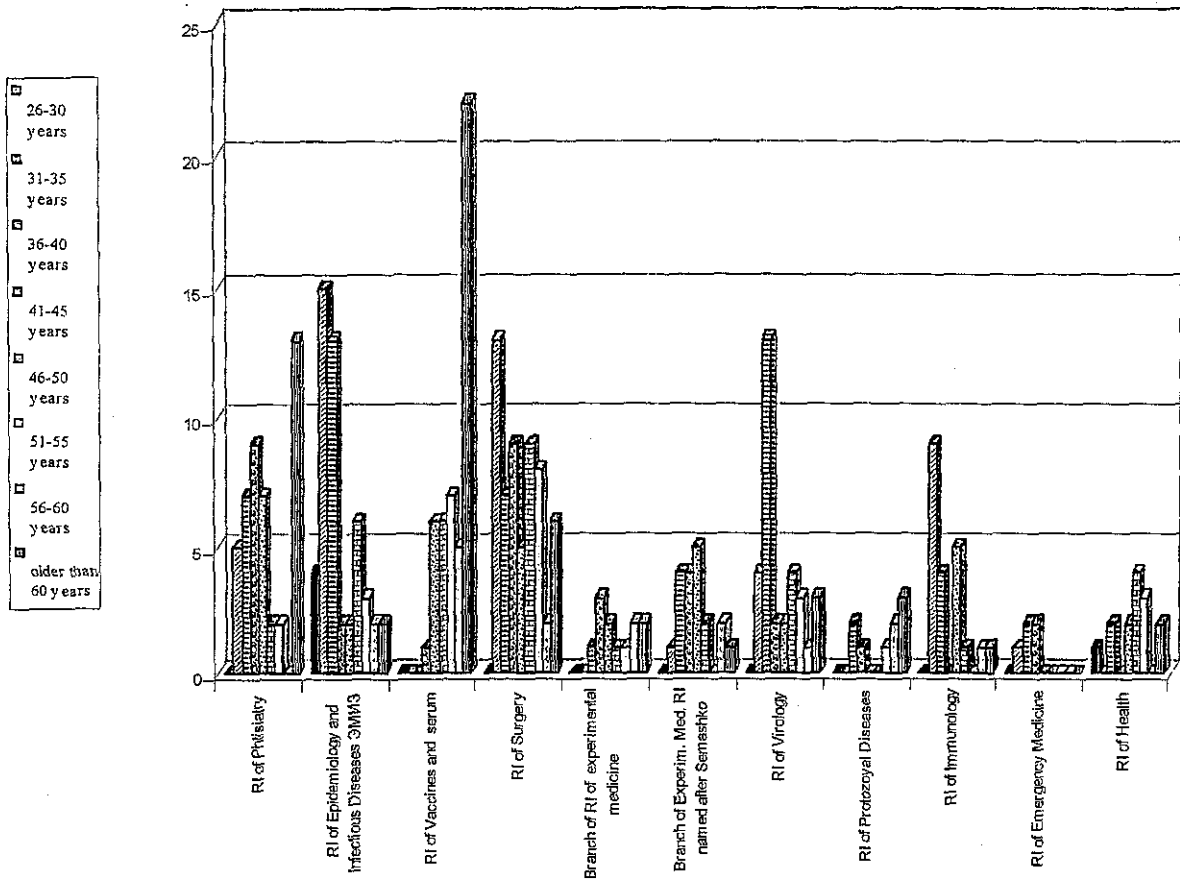
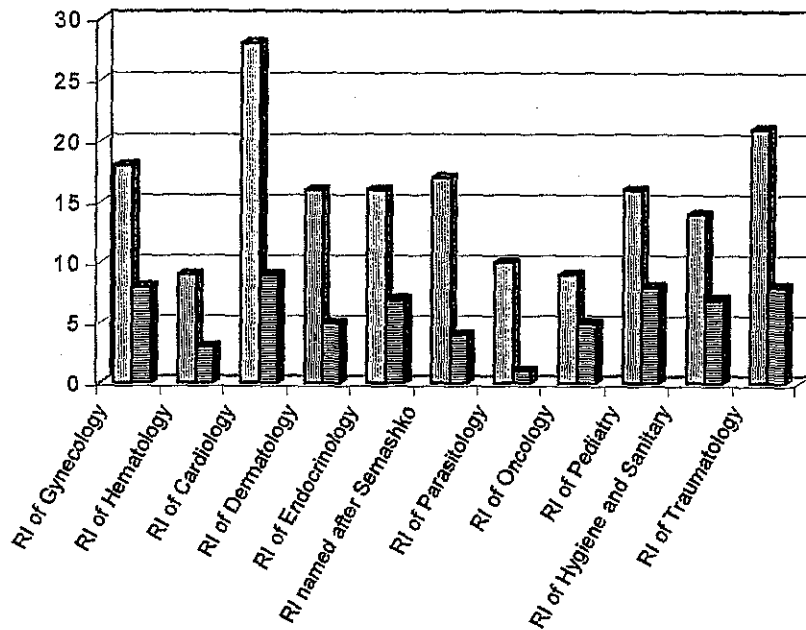
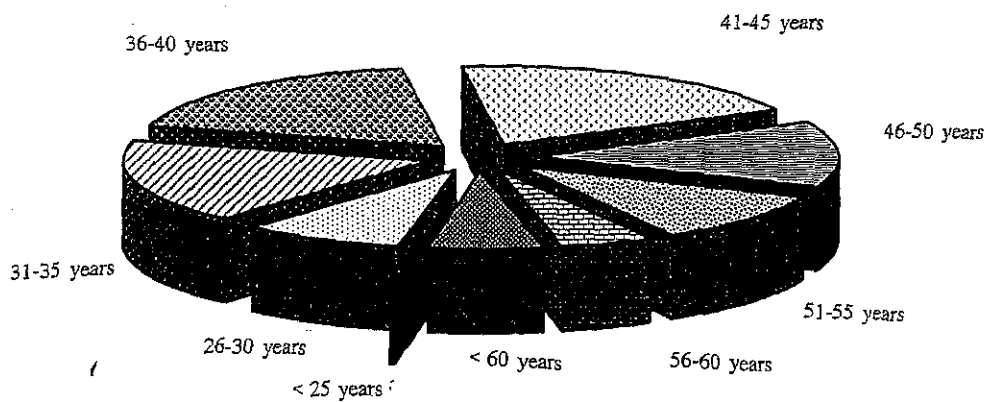


Figure 9 Physicians of Research Centers: Allocation by Age Group (2003)

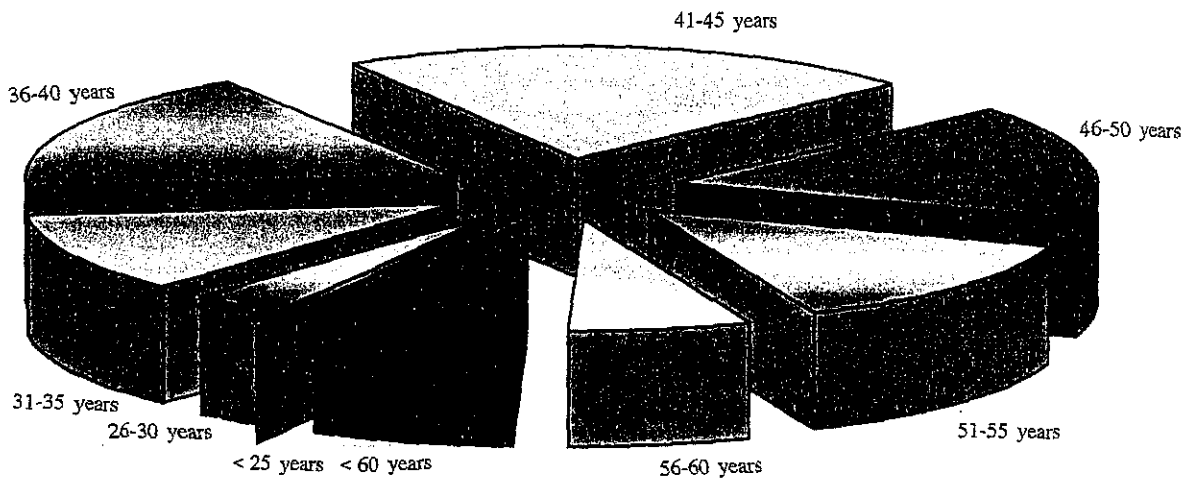


**Figure 10 Physicians of Research Institutions:  
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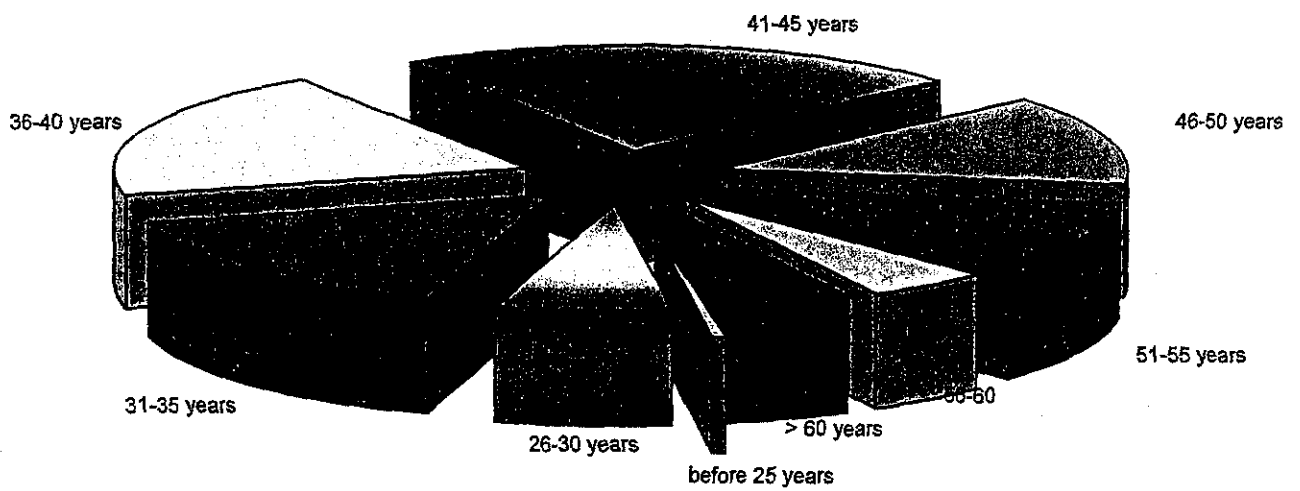


**Figure 11 Distribution of Physicians in Tashkent City by Age Group**

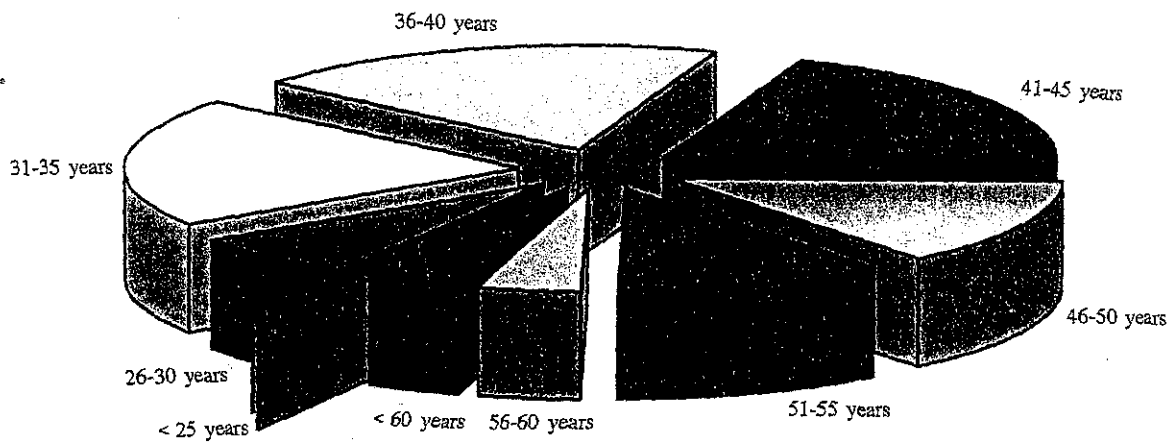




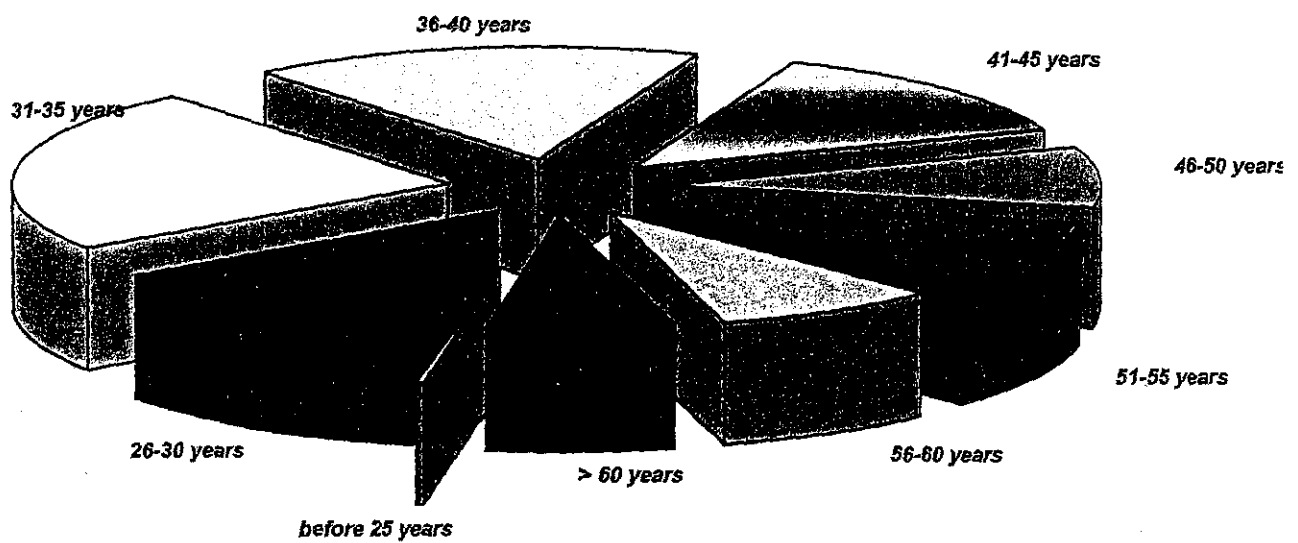
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**PART II. BASELINE SURVEY**



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# 1 INTRODUCTION

In order to clarify the current condition of health aspects, a survey on the situation of health service providers was conducted in the “Study on Improvement of Health and Medical System in the Republic of Uzbekistan” by hiring a local consulting firm. The survey was expected to provide a qualitative analysis through the questionnaire and interviews to medical workers and communities in Uzbekistan. The expected outputs provided additional data for elaboration of the Master Plan. The survey consisted of five major components; (1) Survey on the Situation of Health Service Providers, (2) Health Facility Survey, (3) Household Survey, (4) Sociologic and Medical Anthropologic Survey, and (5) Survey on the Situation of Beneficiaries.

Main objectives of each survey are as indicated below.

## (1) Survey on the Situation of Health Service Providers

To know carrier, educational background and standard salary

To know the motivation of education and possibility

To know awareness for health services, and its level and constrain

To know awareness for health service management and responsibility for work

To know income and expenses of the family

## (2) Health Facility Survey

To clarify the dimension of facility and health service activities in the health facility

To know the function of the health facility

To know variety of existing equipment and function

To know the drug logistics and stock level

## (3) Household Survey

To know level of housing and living condition

To know the standard of family

To know the condition of health service providing to community level

To know how to access and use/ not-uses the health services

## (4) Sociologic and Medical Anthropologic Survey

To know the willing to receive health services

To know the attitude for prevention for diseases

To know the influence of background gap for health

To know the influence of gender gap for health

To know the awareness of society structure

## (5) Survey on the Situation of Beneficiaries

To clarify the purpose to visit health facility and satisfaction level

To know the willing to receive health services

To know the limitation of health service use

To know the limitation of expenses for health care

To know the information level for prevention of diseases

## 2. METHODOLOGY

### 2.1 Sampling Area

According to regional classification, population distribution, relationship between urban and rural areas, socio-economic indicators, industrial structure, natural conditions including geographic features, environmental status, etc., specific candidate study areas comprising five oblasts (Bukhara, Ferghana, Navoi, Samarkand and Tashkent) and Republic of Karakalpakstan where selected. These are deemed to be representative of conditions prevailing in those general regions. Furthermore from the foregoing six regions, two rayons each (total of ten rayons) were selected as field survey area. The characteristics of each area are described in below.

Oblast (City)	Rayon	Population	Remarks
Bukhara	Korakul	122,000	Located in east part of Oblast, bordered on Turkmenistan. Main industries are cotton farming and cattle breeding. Oil plants are located.
	Jondor	125,000	Suburb type rayon close-by Bukhara city. Main industries are cotton, fruits and vegetables farming, and cattle breeding.
Ferghana	Tashlak	141,346	Located approx. 10 km north from the capital Ferghana city. Main industry is cotton and horticulture farming. Urban/neighboring area of Ferghana city and good accessibility
	Altirik	157,888	Located approx. 30 km west from Ferghana city, also in the middle of Ferghana and 2nd biggest city of Kokando Main industry is cotton, grapes and vegetable farming
Navoi	Kizil Tapa	109,713	Located in south part of Oblast. There is artificial water tank for agricultural irrigation. Main industry is cotton farming
	Konimeh	41,423	Located west part of Oblast. Main industry is cattle breeding. Density of population is low (2.6 /km <sup>2</sup> )
Samarkand	Samarkand	250,263	Urban type rayon and surrounding Samarkand city Main industries are fruits and vegetables farming which supply to Samarkand city.



	Narpay	151,145	Bordered on Navoi Oblast, located in northwest part of Samarkand Oblast. Main industry is cotton farming.
Tashkent City	Hamza	208,700	Tashkent City is a modernized capital city of Tashkent. Located in east area and industrial zone of city. Several research centers and Tashkent medical institute No.1 are located.
Tashkent	Zangiota	155,900	Located in east direction from Tashkent city. Urban type Rayon. Main industries are cattle breeding and vegetables farming
Republic of Karakalpakstan	Beruniy	146,100	Located in south part of Republic. River basin of Amu-Darya river Main industries are cotton and vegetables farming
	Tahtakupir	43,600	Located in east part of Republic. Dry area. Main industry is cattle breeding. Density of population is low.

## 2.2 Sampling Design

### (1) Sampling Frame and Selection

#### 1) Survey on the Situation of Health Service Providers

Predominant sampling is applied to target groups, such as chief doctor who manages hospital generally, vice chief doctor who is in charge of technical issue, vice chief doctor who is in charge of administration and finance, chief nurse who manages nursing and patient care, and para-medical worker who works in pharmacy or diagnosis section. Some 30 persons in national level, 25 persons in oblast level, 36 persons in rayon level, 36 persons in SVP level, and total 132 persons are planned. These medical workers are selected in all referral level facilities. Following table shows its description.

Referral	Category	Facility	Target person
3rd	Nation (Tashkent City)	<ul style="list-style-type: none"> <li>• Republican clinical hospital No.1</li> <li>• Republican pediatric hospital</li> <li>• Republican scientific &amp; research institute of Ob/Gy hospital</li> <li>• Emergency center</li> <li>• Railway hospital</li> <li>• Private hospital (Medical Diagnosis Service :MDS)</li> </ul>	<ul style="list-style-type: none"> <li>• Chief doctor</li> <li>• Vice chief doctor (technical)</li> <li>• Vice chief doctor (administrative)</li> <li>• Chief nurse</li> <li>• Para-medical worker</li> </ul>
	Region	<ul style="list-style-type: none"> <li>• 5 Oblast central hospitals</li> </ul>	<ul style="list-style-type: none"> <li>• Chief doctor</li> <li>• Vice chief doctor (technical)</li> <li>• Vice chief doctor (administrative)</li> <li>• Chief nurse</li> <li>• Para-medical worker</li> </ul>

2nd	District	• 12 Rayon central hospitals	• Chief doctor • Vice chief doctor (technical) • Chief nurse
1st	Community /Makhalla	• 36 SVPs	• Doctor

## 2) Health Facility Survey

Sampling is a non-random selection for tertiary and second referral level facilities. Primary level facility is selected randomly from targeted 6 oblasts. Tertiary level facilities are considered to cover different style of management and consultation field. As secondary level facilities, all rayon central hospitals are nominated to be examined in the targeted 6 oblasts.

Referral	Category	Target facilities	No.
3rd	Nation (Tashkent City)	<ul style="list-style-type: none"> <li>• Republican clinical hospital No.1</li> <li>• Republican pediatric hospital</li> <li>• Republican scientific &amp; research institute of Ob/Gy hospital</li> <li>• Emergency center</li> <li>• Railway hospital</li> <li>• Private hospital (MDS)</li> </ul>	6
	Region	<ul style="list-style-type: none"> <li>• 5 Oblast central hospitals</li> <li>• 5 Oblast maternity hospital</li> </ul>	10
2nd	District	Rayon central hospitals in 6 oblasts <ul style="list-style-type: none"> <li>• Tashkent (15 rayons)</li> <li>• Ferghana (17 rayons)</li> <li>• Samarkand (16 rayons)</li> <li>• Bukhara (11 rayons)</li> <li>• Navoi (8 rayons)</li> <li>• Republic of Karakalpakstan (15 rayons)</li> </ul>	82
1st	Division /Makhalla	• 6 SVPs or polyclinics in 6 oblasts	30

## 3) Household Survey

Stratified sampling is applied to sample size of 500 households from each targeting 2 rayons in 6 oblasts. These 500 samples are selected randomly. Each oblast is the first sampling unit that is to express regional character. Tashkent is the capital, Bukhara is an agricultural area, Navoi is an industrial area, Samarkand is a commercial or touristic area and Karakalpakstan is a depopulated area. The population is 6,000 households in total.

Tashkent		Ferghana		Samarkand		Bukhara		Navoi		Karkalpakstan		Total
Hamza	Zangiota	Tashlak	Altiarik	Samar	Narpay	Korakul	Jondor	Kizil	Koni	Beru	Tahta	
				kand				Tepa	meh	niy	kupir	
500	500	500	500	500	500	500	500	500	500	500	500	6000

#### 4) Sociologic and Medical Anthropologic Survey

Stratified sampling is applied to age group (twenties, thirties, forties and fifties and 60 over) and sex in each 5 persons unit. The population is 480 samples in total from each targeting 2 rayons in 6 oblasts.

Age	20<30	30<40	40<50	50<	Total
Male	5	5	5	5	40
Female	5	5	5	5	

#### 5) Survey on the Situation of Beneficiaries

This survey is an exit survey. Stratified sampling is applied to each referral level. 20 patients are selected randomly and the population is 480 samples in total from each targeting 2 rayons in 6 oblasts.

Referral	Category	Facility	Target person	No.
3rd	Region	6 Oblast central hospital	20 persons in each hospital	120
2nd	District	12 Rayon central hospitals	20 persons in each hospital	240
1st	Division /Makhalla	36 SVPs	3-4 persons in 36 SVPs	120

#### (2) Sampling Period and Interviewer

##### 1) Sampling Period

Phase I: Survey in 5 oblasts

Middle of November 2002

Questionnaire design and training

November to December 2002

Surveillance

January 2003

Data input and reporting

Phase II: Supplemental survey and Ferghana Oblast	
May 2003	Questionnaire design and training
May to June 2003	Surveillance
July 2003	Data input and reporting
August 2003	Data analysis

## 2) Interviewer

All interviewers (enumerator) are medical personnel or statisticians who have adequate experiences. Interviewers are selected from each oblast for the ethnicity and language. Each team is composed of a chief interviewer and 5 to 8 assistant interviewers, and received explanation and training before launch of the survey. Trail survey was done by JICA study team directly with interviewers to modify the questionnaire.

## (3) Research technique

Questionnaire is mostly closed questions and expressed in Russian language. Interviewer conducted it descriptively.

## 3 DATA COLLETION AND PROCESSING

### 3.1 Data Processing

The data processing consisted of office editing, coding of open-ended questions, data entry and editing errors found by the computer programmes.

### 3.2 Estimates of Sampling Errors

#### (1) Collection Result

Two types of errors that are non-sampling errors and sampling errors as known to affect the estimates from a sample survey. Number of questionnaire distributed and the collection rate is shown in below. Collection rate is satisfactory, however, the expected classified distribution was not well balanced. The detail of segments is described in Table 1 to 5.

Questionnaire	No. of distribution	No. of collection	Collection rate
1	132	138	100.5 %
2	128	93	72.7 %
3	6000	5850	97.5 %
4	480	461	96.0 %
5	480	469	98.7 %

## **(2) Estimates of Sampling Errors**

A sampling error is usually measured in terms of the standard error for a particular statistic, which is the square root of the variance. The standard error can be used to calculate the confidence intervals within the true value for the population can reasonably be assured to fall. This standard error can be adopted for some questionnaire in household Survey.

Sampling errors for this survey are calculated for selected variables considered to be of primary interest. When data do not meet with the same unit (e.g., currency or weight unit), the question is not nominated. Also, when collected data is too small a number to calculate, the question is not nominated.

## **4 DATA ANALYSIS**

### **4.1 Survey on the Situation of Health Service Providers**

#### **(1) Working Condition**

Age-classifications of interviewees are 2.1% for under 20 years old, 6.5% for 20s to 30s, 18.1% for 30s to 40s, 37.7% for 40s to 50s, 28.1% for 50s to 60s, and 7.2% for 60 years old. However, there was no significant gap in among the 6 oblasts, level of facilities and different professions (doctor, nurse and para-medical workers) for all questionnaires.

Most of the medical workers completed higher education such as university (27.9%) and postgraduate (58.4%). Their working experiences have continued since graduation. Job changes have occurred mostly three times (89.7%). Most of interviewees are government employees (89.7%), therefore the job change depends on the government's direction and this account for 65.4% as assignment.

Most of interviewees do not have alternative income source (88.1%), however when medical workers do alternative income source, it is of non-medical in nature and the income earnings is not as high as the main income. Average income is about 50,000 soums (67.5%) whatever the place of work or different professions such as doctor and nurse.

Most of interviewees are satisfied with current job because of the relationship with patients (39.2%) and status (17.1%), and has low motivation to change occupation (73.5%). On the other hand, those who indicated to change job are to increase income (39.6%) and to change working environment in terms of better equipment and facilities (40.1%). For these reasons, they prefer to move to private sector.

#### **(2) Education and Training**

Most interviewees are aware of the need of training (93.8%), according to the project "Health I" which composes the training programmes in their pilot area, Navoi and Ferghana Oblasts. Trained people find their satisfaction to gain new technology and knowledge (67.3%).

On the other side, those who have no interests for further education (range 5.3% to 25.0%) are satisfied with the current condition or responded as no opportunity arise or give.

About “continuous medical education (CME)”, the interviewees define as attending a seminar (34.5%) or reading a technical journal (32.8%) in general. Their concern to education is firstly to develop technique and knowledge, and then to acquire medical ethics or communication skill to patient and team.

### **(3) Providing Medical Service**

For medical workers who responded to survey, what does “medical service” means were ‘to work as medical professional (24.6%)’ and ‘to provide proper diagnose (22.6%)’. Awareness to patient’s quality of life (QoL) has not been familiar yet, though efforts to communicate with patients are considered fundamental. Under the situation such as lack of equipment and drugs, medical workers can only examine a patient about his condition. This environment let medical workers consider gaining new technology (35.0%) and knowledge (37.4%).

Also medical workers want patient to learn some medical knowledge for family health purpose.

### **(4) Health Service Management**

As chief doctors are in charge of administration work (50.0%) and there is an impact of the management programme in the project ‘Health I’, generally the interviewees have much interesting in management (41.3%). Nurses want to be involved in personal management (40.0%) and administrative management (30%), doctors widely expect interest in administrative management (39.6%), treatment development (22.8%) and personal management (22.8%). Paramedical workers want especially administrative management (66.7%).

## **4.2 Health Facility Survey**

### **(1) Administration**

#### **1) Outline of the Hospital**

The average number of beds in the rayon hospital is 350 beds, and in the oblast hospital is 250 beds. There are many institutions which also have the charged bed, and by 24-hour opening for the emergency visitor.

Bed occupancy is quite high on the result, and department of infection keeps longest stay of bed. There is no significant seasonal change in the length of stay.

#### **2) Referral System**

Although a referral system exists, it has more overwhelmingly than the number of conveyances from a rayon hospital to an oblast hospital more conveyances from SVP to a

rayon hospital. Many patients visit tertiary hospital by their willingness according to the level of disease or easy accessibility.

### 3) Human Personnel

Rayon and oblast hospitals have doctor and its twice as many nurses as this. Para-medical staffs such as pharmacist, X-ray technician and laboratory technician, exist minimum number, but a medical engineer does not exist at all. However, due to the maintenance contract between hospital and engineering enterprises, medical equipment is examined when it is out of order.

### 4) Finance

About health finance in hospitals, main revenue is subsidization from ministry of health for 70%, and payment from patient covers fewer than 20%. Over 50% of expenditure is for staff salary. Medical expenditure like drug, equipments, and maintenance is 25% of expenditure, and amenity expenses such as food and furniture occupy the remaining 25 %.

### 5) Number of Health Services Performance

There is not particular seasonal variation with the number of patients. Monthly averages of number are 600 persons of inpatient and 20,000 persons of outpatient.

X ray inspection is carried out most frequently among medical examinations, and 2,000 cases are carried out per month. Subsequently, for an ultrasound test, 1,000 cases and an electrocardiogram (ECG) are 300 cases and respiratory examination about 150 cases. About laboratory test, there are 10,000 cases of hematological tests, 4,000 cases of biochemistry tests, 12,000 cases of urine tests, serological tests, and 800 cases of bacteriological tests in monthly average.

### 6) Disease Pattern

The seasonal variation of illness is stable except common cold in winter and diarrhea in summer etc. use of an operation room and ICU and number of patient in each department are also stable.

In last 3 years, respiratory diseases like pneumonia, influenza and common cold is highest among organ profile diseases, and cardiovascular diseases, such as hypertension and cerebrovascular diseases, and hepatitis diseases are coming next. STD and alcoholic are slightly increasing due to the expansion of the serological examination and consideration of mental health.

## **(2) Facility and Maintenance Section**

### 1) Scale of facility

A lot of rayon hospitals combine the low layer building and are composed. Therefore, the

outpatient needs to walk outside to the examination and the consultation.

Old Soviet method is followed in the Obrast hospital and it is often in the top floor the operating room. Therefore, the window is opened for the room temperature adjustment while the operation is done in summer.

## 2) Electricity

Most of hospitals answer that electricity is stable, however the capacity is widely different up to each building condition. Power failure also depends on the area and facility, only Tashkent city meet a few times of power failure per month. At the same time, there was no clear definition of natural power failure or planned cut off for power saving. The hospital is equipping with the generators, which are mostly Russian made, for the emergency case to operation room and ICU.

## 3) Water Supply

Most of hospitals have city water supply but some rayon hospitals still depend on well water. Material of pipe is iron steel and water is distilled and used when the iron pipe rusts and water has been polluted.

## 4) Sewage

80 %of drainage flows directly from the hospital and 15% of drainage are treated in the hospital. Some hospitals keep drainage tank under the ground but the hospital of 70% drips and is throwing sewage without any tank.

## 5) Medical Gas

Medical gas system is supplied by the central supply and cylinder to mainly operation room, ICU and emergency room.

## 6) Heating

50% of the rayon hospitals have independent heating system and 30% are received central heating system. Central system is not enough for complex structure of rayon hospital, so that 30% have both heating system. On the other hand, most of oblast hospitals are received central heating system and more developed than rayon hospital due to better location in the city area.

## 7) Communication

The telephone line is set up by the plural. There is the congressional line is not well developed, and there is not a call broadcasting, urgent call up to the telephone of own house.

## 8) Medical waste disposal

Collection of waster disposal depends on private sectors more than public one, and the



incinerator is used for partial assistance. Recently due to the guideline for risk management, medical disposals, which attaches the patient blood and the needle after uses it, are classified from general garbage.

### **(3) Equipment and Maintenance Section**

Most of medical equipment is made in Russia and the product in 1980's. Diagnostic equipment that a lot of hospitals have is X-ray device, fluoroscopy, ultrasonic apparatus, and an electrocardiograph (ECG). Among them, nearly 20% of equipment is out of order or need some repair, so that even though tertiary level hospitals does not work it function optimally.

### **(4) Pharmacy Section**

A lot of hospitals can buy only the medicine of the amount of the budget of under 60%. Rayon hospital has an obligation to supply drugs to SVPs, and as for the distribution rate, only 30% of the amount of possession is distributed to SVPs.

Variety of drugs is mostly injection and internal use. Some of drugs are produced in the hospital pharmacy to provide to inpatients. The ratio of internal use medicine is higher than injection in the Obrast hospital, and the ratio of injection medicine is higher than internal use in the rayon hospital.

## **4.3 Household Survey**

### **(1) Characteristic of Dwelling**

About ownership of dwelling, 'house owner' was 80% or more in 5 oblasts where the Tashkent City with the house was excluded, and 'apartment owner' was 80% or less only in the Tashkent City. About the number of rooms, there were most replies of the 'two to five room' of an average of 73% of whole in six states, and, subsequently it was 'five to ten-room' 23%. However, 'one-room' 11.6% is accounted for the apartment, and Tashkent City is considered to have influenced the structure of a standard apartment.

'Concrete housing' 95.8%, Tashkent Oblast 'brick housing' 62.5%, Samarkand 'earth housing' 62.4%, and Bukhara and 'others' 55.8% of Tashkent with many apartments was the respectively top, and the 'brick residence' and the 'earth residence' of Karakalpakstan and Navoi were by a unit of about 40%.

The public electricity of the kind of 'electric power supply' was the first place at an average of 97.9%. In the 'public waterworks', 95% or more, the kind of water supply depends Navoi for Tashkent with 3 patterns on a 'well' and 'storage of water' by a unit of 12%, although 'public waterworks' 82%, 'well' 12%, and 'public waterworks' 61.6% of Bukhara are Ferghana, Karakalpakstan, and Samarkand mainly main depending on 'public waterworks' 41.2% 'well' 40.1% and both. About 80% or more of 'central natural gas' of the kind of light and heat was the top.

5 oblasts were divided by a unit of about 40% at 'central heating' and 'the stove and a

fireplace', removing about 85% only in 'central heating' of Tashkent City. Although Tashkent had spread with 'flush toilet' 98.1%, in addition to this, 'the outdoor' dipping-up formula toilet of five oblast was 80% or more including the State of Tashkent City.

## **(2) Composition of Household (HH)**

80 % of the whole is formed per family about family composition at '2 to 4 person' 45.1% '4 to 6 person' 34.5%. Individually, Tashkent City had 'comparatively many '2 to 4 persons' as 75%, and it also had most rates of '1 to 2 persons' as 18%. Conversely, '6 or more persons' is less than 10% of the whole, and Tashkent City became 0.4% compared with the thing with most Karakalpakstan as 18.4%.

On the whole, there was Uzbek about a race as overwhelmingly as 74%, and Russian and Tadzhik continued with 6%, respectively. Tashkent had Russian more than 17.9% and any other oblast. Muslim occupied 97.4% of the whole and, as for Tashkent City, about 18 % of Russian Orthodox Church existed according to the Russian population ratio.

There was most 'high school graduate' 47.3%, and, subsequently there was 'primary education' 25.1%. There was most Karakalpakstan as 20.7% to 10.5% of Tashkent Oblast of 'under primary education' population being the minimum.

About monthly income, only Tashkent City was accounted for 20.3% of population who earns over 10,000 soums. Except for the rich layer of Tashkent City, a monthly income is formed into 2 poles by the poverty layer of 1,000 or less soums, and the middle class layer of 10,000 to 50,000 soums in 6 oblasts.

Health condition in last month shows the tendency carrying out 6oblasts, to about 'it got sick once' 73.9%, 'it got sick twice' 14.2%, 'it got sick twice' 4.7%, 'chronic disease' 5.5% and as for the 'physically handicapped person' was occupied 1.6%.

There is 'most development management of a child' about the illness management and prevention that were received as 24.6%. Subsequently, there was 'vaccinations' with 17.1%, whether it is only 1.5% even if 'prenatal care' and 'antenatal care' were united.

## **(3) Livelihood**

On the whole, main level of livelihood is with '10,000 to 50,000 soums' 56.2% and '10,000 or less soums' 23.3%, although many, the regional gap make it clear. There are many rich layers as well as '50,000 to 10,0000 soums' 39.4% and 'more than 100000 soums' 32.7% in Tashkent City. On the other hand, a low-income layer are main in Karakalpakstan as well as '10,000 or less soums' 53.9% and '10,000 to 50,000 soums' 41.3%.

Income sources were the top had 'a salary' in order 60.9% and it suited 14.6% of 'alternative income source' and 'pension' 12.2%. The way of a 'pension' of Karakalpakstan and Navoi was predominance. Exceptional income is rarely, however selling good could make a extra income source (72.9%).

The rate for which food expenses account at every household is the highest (51.7%), ceremonies of coming of age, marriage, funeral, and ancestral worship expense suited 22.7%, and clothing expenses suited fuel and light prices in 19.7% of order 20.5%.

#### **(4) General Knowledge and Use of Health Services**

##### **1) Knowledge of available health services**

It is thought on the whole that the institutions whose approval rating was high are 'pharmacy' 81.5% and 'SVP' 70.0%, 'polyclinic' 59.7% and 'Rayon hospital' 33.5%, and will be because it is familiar and is used frequently.

##### **2) Habitual use of health services**

As a reason of selection of medical facilities, it was accounted for 'there is a doctor' 26.5%, 'the only medical facility' 22.8%, 'can be trusted' 15.1% and 'high quality service' 10.5% in the whole average.

##### **3) Responsibility for family health**

If a family becomes sick, the household head has mainly made the decision of medical expenses, medication, etc.

##### **4) Methodical choice of health service**

When it was the externally caused injury for which it cannot move personally but the care by the third person is needed in case of the accident, the reply that it depends on the whole in order (an acquaintance and 'ambulance center' 30.4%, 'SVP' 29.1%, 'polyclinic' 14.7% 'family' 12.2%) was obtained.

It was much in 'ambulance center' 45.1%, 'SVP' 32.4%, 'poly clinic' 19.9%, 'pharmacy' 10.8% 'home visit' 9.1% order at the time of a sudden illness.

It was much in 'rayon hospital' 27.3%, 'SVP' 26.8% ', polyclinic' 22.8%, 'ambulance center' 17.7% in order at the time of serious illness.

It was high in 'polyclinic' 39.4%, 'SVP' 37.9%, 'rayon hospital' 9.1% order at the time of chronic disease.

When a child was sick, it was high in 'SVP' 40.4%, 'polyclinic' 33.0%, and 'rayon hospital' '11.7%, 'ambulance center' 11.5% order.

When concerned with antenatal/ prenatal care, it was high in 'rayon hospital' 37.9%, 'ambulance center' 14.9%, 'SVP' 13.8%, 'poly clinic' 9.2% order.

##### **5) Evaluation of health service**

There were many disappointed medical institutions in 'pharmacy' 26.7%, 'SVP' 14.7%, 'poly clinic' 13.5% and 'maternity hospital' 9.0% order.

The reason of disappointment was 'shortage of medical supplies' 34.6%, 'far' 16.8% and

'defect of medical-examination equipments' 14.9% order, it was the top at 'too high medical expenses' 30.7% in Tashkent City.

#### 6) Continuity of health service use Limitation of health service use

Even when it is dissatisfied to a medical institution, there is no alternative choice (39.3%) and somehow it continues using (36.0%) was responded. in total 75% were supporting continuation use of same medical facilities.

### (5) Pattern in the Use of Prevention and Control

There were many activities for prevention of diseases in "vaccination" 17.3%, "family planning" 16.4%, "growth management of child" 15.0%, "prenatal care" 13.0%, "antenatal care" 11.9% order, and they formed 73.6% of the whole. It seems that emphasis is generally put on the measure against prevention of a mother and child health field although the above-mentioned five items of rate for which it accounts has the width from the top to 61.2% of Navoi in 91.2% by according to state in Tashkent City.

There had received "if prevention activity is free of charge, it will receive" 57.2%, "if it was few cost, it receives" 35.4%, "if it was required it will receive" 6.4%, and those are accounted for 99% of the whole.

The maximum payment of the medical service of prevention was concentrated to "less than 500 soums" 44.4%, and "less than 1,000 soums" 40.2% in Tashkent, and it was whether "more than 1,000 soums" is only 3.4%. In Karakalpakstan and Navoi, while there was "most less than 100 soums" as 30 to 40%, "more than 1,000 soums" was not the number of support with by no means low 13 to 18% and large sum.

## 4.4 Sociologic and Medical Anthropologic Survey

### (1) Definition of health

There was no significant gap among age, sex and regional classifications of the interviewees to define the meaning of health. Ideological terms as 'enjoying being with family and friend (8.0%)', 'feeling happy (7.0%)' and 'living to a ripe old age (6.6%)' were most common, and concrete terms as 'eating right food (7.9%)' and 'enjoying relaxation or recreation (6.3%)' were followed. Preference to stay in the group seems group-oriented mentality.

### (2) Attention for health

The majority of the interviewees concern their health by 'leading a well-regulated life (10.5%)' and 'trying not eating too much (8.7%)'. This seems good for prevention of chronic diseases, and also following choices 'going to doctors before symptoms seriously (8.2%)' and 'trying to have a regular health check (8.2%)' are agreeable attitude for health promotion. However, there is a difference between these understandings and real practices due to family budgets and priorities of life.

### **(3) Socialism, religion and tradition**

There was a not significant gap among age, sex and regional classifications of the interviewees to measure the impact of social structures.

Influence of socialism was not appeared in the daily life and working system now a day. But people recognize a difference in income (25.9%) and work condition (30.1%).

On the other side, people feel an influence of tradition for the daily life and marriage 'a little (23.3%)' or 'moderately (21.9%)'. Also influence of religion for the daily life and marriage can see slightly but 40% of people state there are no impact at all. In addition about marriage, what kind of factors the wife/ husband request to the other party were examined. The result was that healthy (21.7%), intelligence (14.2%) and cooperation to housework (12.7%) were points of an ideal husband for wives, and healthy (24.3%), ability for housework (14.4%) and appearance (12.5%) were points for an ideal wife for husbands. However, both sides didn't support some factors such as race (4.0% and 5.3%), economic power (2.6% and 3.6%) and social position of family (4.3% and 5.2%), though the traditional way of marriage arrangement is still popular.

### **(4) Gender**

Slightly the regional characteristic was seen in the result, however there was not remarkable difference in sex and age group. About work sharing, over half of both sexes think house keeping is female's role and heavy duty is male's role. This idea leads to not joint housework but the housework allotment.

The level of the patriarchal system can see in the opinion that the man who should be the master (83.1%) and man's salaries should be high for the family (62.0%). At the same time, the opinion that woman's working hour is longer due to the housework allotment and the idea that the salary should respond to not the character difference but the ability are adopted somehow regardless of sex.

The criticism of woman's smoking, virtue idea and the exposure level of the skin etc. may support the outlook on traditional morality and the male-dominated society. There is a contradiction of low recognition that sexism exists in society and the opinion that it should be society of equal rights for men and women were widely supported. Thus, the male-dominated society does not mean subjection of women, but the awareness of equality of sex is low and the role allotment between men and women is high.

### **(5) Society**

About 80% supports father as the decision-maker in the family, and it is suggested that father's authority be strong. About the domination of individualism and the groupism, the group sees the tendency according to the whole when the opinion is different from the individual (68.9%). Also giving priority in the group behavior is according to the rule (56.3%) and following human feelings and emotion comes next (41.5%). In general, it seems that there

is a tendency to value the groupism.

#### **4.5 Survey on the Situation of Beneficiaries**

##### **(1) Present Health Problem**

As the present health problem, the response with 'illness' accounted for 83.5% on a whole average as a reason coming to this health facility, and 'health check' 12.3%, and 'accident' 3% next. The top reasons why to choose this health facility was 'only source available (20.6%)', and it continued with 'it is close to home (12.0%)', 'friendly and helpful (10.6%)' and 'appropriate treatment (10.5%)'.

The used transportation was common as a whole of each state on foot (37.0%) and a lot continuously in the order of private vehicle (22.4%), taxi (16.5%), bus (17.3%) and ambulance (4.9%). In the distance from own house to the hospital, all oblasts layer that was common and felt 'moderate distance' was 52.7%. And 'once (46.7%)' and '2-5 times (43.6%)' occupied 90 percent as a whole how many times to have visited this hospital for one year of 2002.

At waiting time until examination this time, 'within at 15 minutes (67.5%)' and 'within at 15-30 minutes (23.6%)' were occurred mainly. And also the examination time was a lot of '5-15 minutes (56.5%)', and was '15-30 minutes (27.4%)' next.

About satisfaction level, the explanation of the doctor's consultation was an answer with 'satisfactory' 44.2% of as a whole and 'excellently' was 55.2%. About the treatment, an answer with 'satisfied (67.9%)' became a head position, and there was overwhelmingly a lot of 'return to the same hospital' 92.7% if patient was asked to visit doctor again.

##### **(2) Attitude to Health Service**

The reason why returned in the same hospital was commonly 'because satisfied with treatment'. This was accounted 44.5% and it became a head position. Next, having been comparatively supported was 26.4% of 'because of best there' and 'It is near' 16.9%.

On the other side, the reason why NOT returned in the same hospital was a lot in order of 'there was no medicine' 10.6% of 'not cured' 16.3% of 'inadequate cure' 56.5%.

##### **(3) Attitude for Health Expenditure**

It was in the question on what condition paid when the consultation fee was actual expenses and it was in the head position 'the quality of medical care is improved' 53.7%. Second rank 'the consultation fee which was able to be paid (level)' 23.8% was accounted and the answer with 'never pay' keeping come accounted for 8.6% by a whole average.

'10,000 soums or less' in 44.0%, '10,000<20,000s soums' in 31.1%, '20,000<50,000 soums' in 18.2% occupied 90 % of the whole to the question whether it was possible to put it out during year as for the medical expense when the payment method of hope was possible. and there was no answer as '100,000 soums or more'.

**(4) PHC topics and activities**

All main PHC activities and programmes are well known and half of interviewees are given these information through hospital personnel.





## A-1 Survey on the Situation of Health Service Providers

## 1. Working Condition

Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarkand	Tashkent	Tashkent city	Total
What is your last of official education?								
High school	1 5.6%	1 7.1%	2 11.1%	3 13.0%	2 8.7%	0 0.0%	2 4.5%	11 7.1%
Medical college	0 0.0%	0 0.0%	0 0.0%	1 4.3%	1 4.3%	2 14.3%	6 13.6%	10 6.5%
University/Institute	1 5.6%	7 50.0%	4 22.2%	10 43.5%	9 39.1%	5 35.7%	7 15.9%	43 27.9%
Advanced/ Postgraduate	16 88.9%	6 42.9%	12 66.7%	9 39.1%	11 47.8%	7 50.0%	29 65.9%	90 58.4%
Total	18 100.0%	14 100.0%	18 100.0%	23 100.0%	23 100.0%	14 100.0%	44 100.0%	154 100.0%
How long do you work as this profession?								
0<5 years	4 21.1%	0 0.0%	3 18.8%	0 0.0%	2 12.5%	0 0.0%	2 4.9%	11 8.1%
5<10	2 10.5%	1 7.7%	1 6.3%	4 21.1%	0 0.0%	1 8.3%	5 12.2%	14 10.3%
10<15	2 10.5%	2 15.4%	2 12.5%	0 0.0%	3 18.8%	2 16.7%	5 12.2%	16 11.8%
15<20	2 10.5%	4 30.8%	2 12.5%	3 15.8%	3 18.8%	2 16.7%	6 14.6%	22 16.2%
20<	9 47.4%	6 46.2%	8 50.0%	12 63.2%	8 50.0%	7 58.3%	23 56.1%	73 53.7%
Total	19 100.0%	13 100.0%	16 100.0%	19 100.0%	16 100.0%	12 100.0%	41 100.0%	136 100.0%
Have you ever change jobs? How many times?								
Yes	13 68.4%	9 69.2%	9 56.3%	13 65.0%	3 18.8%	3 25.0%	19 47.5%	69 50.7%
No	6 31.6%	4 30.8%	7 43.8%	7 35.0%	13 81.3%	9 75.0%	21 52.5%	67 49.3%
Total	19 100.0%	13 100.0%	16 100.0%	20 100.0%	16 100.0%	12 100.0%	40 100.0%	136 100.0%
How many times?								
1<3 times	11 84.6%	8 88.9%	9 100.0%	12 92.3%	3 100.0%	3 100.0%	15 83.3%	61 89.7%
3<5	2 15.4%	1 11.1%	0 0.0%	1 7.7%	0 0.0%	0 0.0%	1 5.6%	5 7.4%
5<10	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 11.1%	2 2.9%
10<	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	13 100.0%	9 100.0%	9 100.0%	13 100.0%	3 100.0%	3 100.0%	18 100.0%	68 100.0%
Did the medical work experience interrupted?								
Yes	1 5.3%	0 0.0%	2 11.8%	1 5.0%	1 6.7%	1 8.3%	1 2.8%	7 5.3%
No	18 94.7%	13 100.0%	15 88.2%	19 95.0%	14 93.3%	11 91.7%	35 97.2%	125 94.7%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	15 100.0%	12 100.0%	36 100.0%	132 100.0%
How do you find the present job?								
Assignment	11 57.9%	10 76.9%	16 94.1%	17 85.0%	8 50.0%	6 50.0%	21 53.8%	89 65.4%
Yourself	7 36.8%	2 15.4%	1 5.9%	2 10.0%	8 50.0%	6 50.0%	15 38.5%	41 30.1%
Acquaintance	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 2.6%	1 0.7%
Job Center	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Other ( )	1 5.3%	1 7.7%	0 0.0%	1 5.0%	0 0.0%	0 0.0%	2 5.1%	5 3.7%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	16 100.0%	12 100.0%	39 100.0%	136 100.0%
Do you have a side business/ part time job now?								
Yes	1 5.3%	2 15.4%	2 11.8%	5 25.0%	1 6.3%	0 0.0%	5 13.2%	16 11.9%
No	18 94.7%	11 84.6%	15 88.2%	15 75.0%	15 93.8%	12 100.0%	33 86.8%	119 88.1%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	16 100.0%	12 100.0%	38 100.0%	135 100.0%

Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarqand	Tashkent	Tashkent city	Total
What kind of additional job do you have?								
The same work in an other state medical facility	0 0.0%	5 50.0%	0 0.0%	3 30.0%	0 0.0%	1 25.0%	0 0.0%	9 18.8%
The private medical facility	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 10.0%	1 2.1%
Private practice	0 0.0%	1 10.0%	2 22.2%	1 10.0%	0 0.0%	0 0.0%	0 0.0%	4 8.3%
Non-medical private business	0 0.0%	1 10.0%	0 0.0%	3 30.0%	1 33.3%	2 50.0%	1 10.0%	8 16.7%
Other	2 100.0%	3 30.0%	7 77.8%	3 30.0%	2 66.7%	1 25.0%	8 80.0%	26 54.2%
Total	2 100.0%	10 100.0%	9 100.0%	10 100.0%	3 100.0%	4 100.0%	10 100.0%	48 100.0%
How much is the ratio in working hour between main job and side work?								
Main = Side	4 40.0%	5 38.5%	3 30.0%	2 13.3%	4 36.4%	1 16.7%	2 20.0%	21 28.0%
Main > Side	6 60.0%	8 61.5%	7 70.0%	12 80.0%	7 63.6%	5 83.3%	8 80.0%	53 70.7%
Main < Side	0 0.0%	0 0.0%	0 0.0%	1 6.7%	0 0.0%	0 0.0%	0 0.0%	1 1.3%
Total	10 100.0%	13 100.0%	10 100.0%	15 100.0%	11 100.0%	6 100.0%	10 100.0%	75 100.0%
How much is your monthly salary for main job? (without TAX)								
<10000sum	7 36.8%	3 23.1%	6 37.5%	8 40.0%	6 37.5%	2 16.7%	5 14.3%	37 28.2%
<50000	12 63.2%	10 76.9%	10 62.5%	12 60.0%	10 62.5%	10 83.3%	30 85.7%	94 71.8%
<100000	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
100000<	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	19 100.0%	13 100.0%	16 100.0%	20 100.0%	16 100.0%	12 100.0%	35 100.0%	131 100.0%
How much is your total income per month? (without TAX)								
<10000sum	5 27.8%	3 23.1%	7 41.2%	7 36.8%	6 37.5%	2 16.7%	4 12.5%	34 26.8%
<50000	13 72.2%	7 53.8%	10 58.8%	10 52.6%	9 56.3%	10 83.3%	27 84.4%	86 67.7%
<100000	0 0.0%	3 23.1%	0 0.0%	2 10.5%	0 0.0%	0 0.0%	1 3.1%	6 4.7%
100000<	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 6.3%	0 0.0%	0 0.0%	1 0.8%
Total	18 100.0%	13 100.0%	17 100.0%	19 100.0%	16 100.0%	12 100.0%	32 100.0%	127 100.0%
Are you satisfied with your present job?								
Yes	15 78.9%	13 100.0%	15 88.2%	16 80.0%	16 100.0%	10 83.3%	40 100.0%	125 91.2%
No	4 21.1%	0 0.0%	2 11.8%	4 20.0%	0 0.0%	2 16.7%	0 0.0%	12 8.8%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	16 100.0%	12 100.0%	40 100.0%	137 100.0%
Because of								
status	3 11.5%	4 40.0%	3 14.3%	1 4.2%	5 23.8%	2 14.3%	6 9.2%	24 13.3%
salary	6 23.1%	1 10.0%	2 9.5%	4 16.7%	0 0.0%	3 21.4%	5 7.7%	21 11.6%
expertise	1 3.8%	3 30.0%	4 19.0%	2 8.3%	3 14.3%	3 21.4%	15 23.1%	31 17.1%
relationship	9 34.6%	1 10.0%	7 33.3%	12 50.0%	11 52.4%	4 28.6%	27 41.5%	71 39.2%
working condition	4 15.4%	1 10.0%	5 23.8%	2 8.3%	1 4.8%	2 14.3%	8 12.3%	23 12.7%
environment	3 11.5%	0 0.0%	0 0.0%	3 12.5%	1 4.8%	0 0.0%	4 6.2%	11 6.1%
Total	26 100.0%	10 100.0%	21 100.0%	24 100.0%	21 100.0%	14 100.0%	65 100.0%	181 100.0%

Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarkand	Tashkent	Tashkent city	Total
<i>What do you want first to improve your work?</i>								
Training	0 0.0%	5 27.8%	2 10.5%	7 30.4%	2 10.0%	3 20.0%	15 21.7%	34 17.7%
Equipment	12 42.9%	8 44.4%	8 42.1%	4 17.4%	9 45.0%	7 46.7%	29 42.0%	77 40.1%
Facility	2 7.1%	0 0.0%	0 0.0%	1 4.3%	0 0.0%	0 0.0%	2 2.9%	5 2.6%
Salary	14 50.0%	5 27.8%	9 47.4%	11 47.8%	9 45.0%	5 33.3%	23 33.3%	76 39.6%
Total	28 100.0%	18 100.0%	19 100.0%	23 100.0%	20 100.0%	15 100.0%	69 100.0%	192 100.0%
<i>If possible, do you want to change job?</i>								
Yes	7 36.8%	6 46.2%	5 29.4%	11 55.0%	2 12.5%	4 36.4%	1 2.5%	36 26.5%
No	12 63.2%	7 53.8%	12 70.6%	9 45.0%	14 87.5%	7 63.6%	39 97.5%	100 73.5%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	16 100.0%	11 100.0%	40 100.0%	136 100.0%
<i>What kind of?</i>								
The same work in an other state medical facility	2 28.6%	3 60.0%	1 20.0%	6 50.0%	0 0.0%	1 25.0%	1 50.0%	14 38.9%
The private medical facility	3 42.9%	1 20.0%	4 80.0%	2 16.7%	1 100.0%	3 75.0%	1 50.0%	15 41.7%
Private practice	1 14.3%	1 20.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	2 5.6%
Non-medical private business	0 0.0%	0 0.0%	0 0.0%	1 8.3%	0 0.0%	0 0.0%	0 0.0%	1 2.8%
Other	1 14.3%	0 0.0%	0 0.0%	3 25.0%	0 0.0%	0 0.0%	0 0.0%	4 11.1%
Total	7 100.0%	5 100.0%	5 100.0%	12 100.0%	1 100.0%	4 100.0%	2 100.0%	36 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
What is your last of official education?								
High school	0 0.0%	5 7.4%	6 9.2%	11 7.1%	1 5.0%	2 11.8%	7 6.0%	10 6.5%
Medical college	1 4.8%	4 5.9%	5 7.7%	10 6.5%	6 30.0%	1 5.9%	3 2.6%	10 6.5%
University/Institute	5 23.8%	26 38.2%	12 18.5%	43 27.9%	1 5.0%	6 35.3%	36 31.0%	43 28.1%
Advanced/ Postgraduate	15 71.4%	33 48.5%	42 64.6%	90 58.4%	12 60.0%	8 47.1%	70 60.3%	90 58.8%
Total	21 100.0%	68 100.0%	65 100.0%	154 100.0%	20 100.0%	17 100.0%	116 100.0%	153 100.0%
How long do you work as this profession?								
0<5 years	3 13.6%	1 1.9%	7 11.7%	11 8.1%	0 0.0%	3 17.6%	8 8.0%	11 8.1%
5<10	2 9.1%	7 13.0%	5 8.3%	14 10.3%	2 11.1%	1 5.9%	11 11.0%	14 10.4%
10<15	1 4.5%	8 14.8%	7 11.7%	16 11.8%	3 16.7%	1 5.9%	12 12.0%	16 11.9%
15<20	4 18.2%	11 20.4%	7 11.7%	22 16.2%	2 11.1%	2 11.8%	18 18.0%	22 16.3%
20<	12 54.5%	27 50.0%	34 56.7%	73 53.7%	11 61.1%	10 58.8%	51 51.0%	72 53.3%
Total	22 100.0%	54 100.0%	60 100.0%	136 100.0%	18 100.0%	17 100.0%	100 100.0%	135 100.0%
Have you ever change jobs? How many times?								
Yes	4 19.0%	34 61.8%	31 51.7%	69 50.7%	8 44.4%	3 17.6%	57 57.0%	68 50.4%
No	17 81.0%	21 38.2%	29 48.3%	67 49.3%	10 55.6%	14 82.4%	43 43.0%	67 49.6%
Total	21 100.0%	55 100.0%	60 100.0%	136 100.0%	18 100.0%	17 100.0%	100 100.0%	135 100.0%
How many times?								
1<3 times	4 100.0%	31 91.2%	26 86.7%	61 89.7%	8 100.0%	3 100.0%	49 87.5%	60 89.6%
3<5	0 0.0%	3 8.8%	2 6.7%	5 7.4%	0 0.0%	0 0.0%	5 8.9%	5 7.5%
5<10	0 0.0%	0 0.0%	2 6.7%	2 2.9%	0 0.0%	0 0.0%	2 3.6%	2 3.0%
10<	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	4 100.0%	34 100.0%	30 100.0%	68 100.0%	8 100.0%	3 100.0%	56 100.0%	67 100.0%
Did the medical work experience interrupted?								
Yes	0 0.0%	5 9.4%	2 3.4%	7 5.3%	1 5.9%	1 6.3%	5 5.1%	7 5.3%
No	21 100.0%	48 90.6%	56 96.6%	125 94.7%	16 94.1%	15 93.8%	93 94.9%	124 94.7%
Total	21 100.0%	53 100.0%	58 100.0%	132 100.0%	17 100.0%	16 100.0%	98 100.0%	131 100.0%
How do you find the present job?								
Assignment	13 59.1%	43 78.2%	33 55.9%	89 65.4%	10 55.6%	9 52.9%	69 69.0%	88 65.2%
Yourself	8 36.4%	10 18.2%	23 39.0%	41 30.1%	8 44.4%	8 47.1%	25 25.0%	41 30.4%
Acquaintance	0 0.0%	0 0.0%	1 1.7%	1 0.7%	0 0.0%	0 0.0%	1 1.0%	1 0.7%
Job Center	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Other ( )	1 4.5%	2 3.6%	2 3.4%	5 3.7%	0 0.0%	0 0.0%	5 5.0%	5 3.7%
Total	22 100.0%	55 100.0%	59 100.0%	136 100.0%	18 100.0%	17 100.0%	100 100.0%	135 100.0%
Do you have a side business/ part time job now?								
Yes	3 13.6%	9 16.7%	4 6.8%	16 11.9%	0 0.0%	2 11.8%	14 14.0%	16 11.9%
No	19 86.4%	45 83.3%	55 93.2%	119 88.1%	17 100.0%	15 88.2%	86 86.0%	118 88.1%
Total	22 100.0%	54 100.0%	59 100.0%	135 100.0%	17 100.0%	17 100.0%	100 100.0%	134 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
<i>What kind of additional job do you have?</i>								
The same work in an other state medical facility	0 0.0%	4 15.4%	5 35.7%	9 18.8%	1 25.0%	0 0.0%	8 20.5%	9 18.8%
The private medical facility	0 0.0%	1 3.8%	0 0.0%	1 2.1%	1 25.0%	0 0.0%	0 0.0%	1 2.1%
Private practice	0 0.0%	3 11.5%	1 7.1%	4 8.3%	0 0.0%	0 0.0%	4 10.3%	4 8.3%
Non-medical private business	0 0.0%	7 26.9%	1 7.1%	8 16.7%	1 25.0%	1 20.0%	6 15.4%	8 16.7%
Other	8 100.0%	11 42.3%	7 50.0%	26 54.2%	1 25.0%	4 80.0%	21 53.8%	26 54.2%
Total	8 100.0%	26 100.0%	14 100.0%	48 100.0%	4 100.0%	5 100.0%	39 100.0%	48 100.0%
<i>How much is the ratio in working hour between main job and side work?</i>								
Main = Side	4 36.4%	11 25.6%	6 28.6%	21 28.0%	5 71.4%	2 28.6%	13 21.7%	20 27.0%
Main > Side	7 63.6%	31 72.1%	15 71.4%	53 70.7%	2 28.6%	5 71.4%	46 76.7%	53 71.6%
Main < Side	0 0.0%	1 2.3%	0 0.0%	1 1.3%	0 0.0%	0 0.0%	1 1.7%	1 1.4%
Total	11 100.0%	43 100.0%	21 100.0%	75 100.0%	7 100.0%	7 100.0%	60 100.0%	74 100.0%
<i>How much is your monthly salary for main job? (without TAX)</i>								
<10000sum	6 28.6%	17 30.9%	14 25.5%	37 28.2%	6 35.3%	4 23.5%	27 28.1%	37 28.5%
<50000	15 71.4%	38 69.1%	41 74.5%	94 71.8%	11 64.7%	13 76.5%	69 71.9%	93 71.5%
<100000	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
100000<	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	21 100.0%	55 100.0%	55 100.0%	131 100.0%	17 100.0%	17 100.0%	96 100.0%	130 100.0%
<i>How much is your total income per month? (without TAX)</i>								
<10000sum	7 33.3%	13 24.1%	14 26.9%	34 26.8%	4 28.6%	5 29.4%	25 26.3%	34 27.0%
<50000	14 66.7%	36 66.7%	36 69.2%	86 67.7%	10 71.4%	12 70.6%	63 66.3%	85 67.5%
<100000	0 0.0%	4 7.4%	2 3.8%	6 4.7%	0 0.0%	0 0.0%	6 6.3%	6 4.8%
100000<	0 0.0%	1 1.9%	0 0.0%	1 0.8%	0 0.0%	0 0.0%	1 1.1%	1 0.8%
Total	21 100.0%	54 100.0%	52 100.0%	127 100.0%	14 100.0%	17 100.0%	95 100.0%	126 100.0%
<i>Are you satisfied with your present job?</i>								
Yes	18 81.8%	48 87.3%	59 98.3%	125 91.2%	18 100.0%	16 94.1%	90 89.1%	124 91.2%
No	4 18.2%	7 12.7%	1 1.7%	12 8.8%	0 0.0%	1 5.9%	11 10.9%	12 8.8%
Total	22 100.0%	55 100.0%	60 100.0%	137 100.0%	18 100.0%	17 100.0%	101 100.0%	136 100.0%
<i>Because of</i>								
status	3 10.3%	12 17.6%	9 10.7%	24 13.3%	4 14.8%	1 4.3%	19 14.6%	24 13.3%
salary	7 24.1%	8 11.8%	6 7.1%	21 11.6%	3 11.1%	2 8.7%	16 12.3%	21 11.7%
expertise	5 17.2%	8 11.8%	18 21.4%	31 17.1%	5 18.5%	5 21.7%	21 16.2%	31 17.2%
relationship	12 41.4%	25 36.8%	34 40.5%	71 39.2%	9 33.3%	12 52.2%	49 37.7%	70 38.9%
working condition	2 6.9%	9 13.2%	12 14.3%	23 12.7%	4 14.8%	2 8.7%	17 13.1%	23 12.8%
environment	0 0.0%	6 8.8%	5 6.0%	11 6.1%	2 7.4%	1 4.3%	8 6.2%	11 6.1%
Total	29 100.0%	68 100.0%	84 100.0%	181 100.0%	27 100.0%	23 100.0%	130 100.0%	180 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
What do you want first to improve your work?								
Training	3 10.0%	13 17.8%	18 20.2%	34 17.7%	5 17.9%	3 12.0%	25 18.1%	33 17.3%
Equipment	11 36.7%	27 37.0%	39 43.8%	77 40.1%	12 42.9%	7 28.0%	58 42.0%	77 40.3%
Facility	0 0.0%	2 2.7%	3 3.4%	5 2.6%	0 0.0%	2 8.0%	3 2.2%	5 2.6%
Salary	16 53.3%	31 42.5%	29 32.6%	76 39.6%	11 39.3%	13 52.0%	52 37.7%	76 39.8%
Total	30 100.0%	73 100.0%	89 100.0%	192 100.0%	28 100.0%	25 100.0%	138 100.0%	191 100.0%
If possible, do you want to change job?								
Yes	7 33.3%	24 43.6%	5 8.3%	36 26.5%	3 16.7%	4 23.5%	29 29.0%	36 26.7%
No	14 66.7%	31 56.4%	55 91.7%	100 73.5%	15 83.3%	13 76.5%	71 71.0%	99 73.3%
Total	21 100.0%	55 100.0%	60 100.0%	136 100.0%	18 100.0%	17 100.0%	100 100.0%	135 100.0%
What kind of?								
The same work in an other state medical facility	3 42.9%	8 34.8%	3 50.0%	14 38.9%	0 0.0%	1 33.3%	13 43.3%	14 38.9%
The private medical facility	3 42.9%	10 43.5%	2 33.3%	15 41.7%	3 100.0%	2 66.7%	10 33.3%	15 41.7%
Private practice	0 0.0%	1 4.3%	1 16.7%	2 5.6%	0 0.0%	0 0.0%	2 6.7%	2 5.6%
Non-medical private business	0 0.0%	1 4.3%	0 0.0%	1 2.8%	0 0.0%	0 0.0%	1 3.3%	1 2.8%
Other	1 14.3%	3 13.0%	0 0.0%	4 11.1%	0 0.0%	0 0.0%	4 13.3%	4 11.1%
Total	7 100.0%	23 100.0%	6 100.0%	36 100.0%	3 100.0%	3 100.0%	30 100.0%	36 100.0%

## 2. Education and Training

Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarqand	Tashkent	Tashkent city	Total
Do you know any re-training system?								
Yes	15 78.9%	11 91.7%	15 88.2%	19 95.0%	13 86.7%	12 100.0%	30 78.9%	115 86.5%
No	4 21.1%	1 8.3%	2 11.8%	1 5.0%	2 13.3%	0 0.0%	8 21.1%	18 13.5%
Total	19 100.0%	12 100.0%	17 100.0%	20 100.0%	15 100.0%	12 100.0%	38 100.0%	133 100.0%
Who is the target?								
Doctor	13 34.2%	11 44.0%	12 46.2%	18 48.6%	7 36.8%	10 50.0%	29 33.0%	100 39.5%
Nurse	12 31.6%	9 36.0%	9 34.6%	9 24.3%	8 42.1%	7 35.0%	29 33.0%	83 32.8%
Co-medical	1 2.6%	2 8.0%	1 3.8%	2 5.4%	0 0.0%	1 5.0%	7 8.0%	14 5.5%
Administration	12 31.6%	3 12.0%	4 15.4%	8 21.6%	4 21.1%	2 10.0%	23 26.1%	56 22.1%
Total	38 100.0%	25 100.0%	26 100.0%	37 100.0%	19 100.0%	20 100.0%	88 100.0%	253 100.0%
Who is the organizer?								
Ministry of health	16 100.0%	10 83.3%	15 75.0%	20 83.3%	13 92.9%	10 83.3%	32 82.1%	116 84.7%
Other ministry	0 0.0%	0 0.0%	1 5.0%	0 0.0%	0 0.0%	0 0.0%	2 5.1%	3 2.2%
Donor	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
NGO	0 0.0%	0 0.0%	0 0.0%	1 4.2%	0 0.0%	0 0.0%	0 0.0%	1 0.7%
International Agency (UNICEF, etc.)	0 0.0%	2 16.7%	4 20.0%	3 12.5%	1 7.1%	2 16.7%	5 12.8%	17 12.4%
Total	16 100.0%	12 100.0%	20 100.0%	24 100.0%	14 100.0%	12 100.0%	39 100.0%	137 100.0%
Project "Health-1": do you know this training course?								
Yes, I participate it.	1 5.6%	7 58.3%	1 6.7%	11 55.0%	1 7.7%	4 36.4%	9 26.5%	34 27.6%
Yes, but I don't participate it.	3 16.7%	5 41.7%	4 26.7%	8 40.0%	10 76.9%	2 18.2%	15 44.1%	47 38.2%
No, but I am interested in it.	12 66.7%	0 0.0%	8 53.3%	0 0.0%	1 7.7%	5 45.5%	9 26.5%	35 28.5%
No, and I don't care it.	2 11.1%	0 0.0%	2 13.3%	1 5.0%	1 7.7%	0 0.0%	1 2.9%	7 5.7%
Total	18 100.0%	12 100.0%	15 100.0%	20 100.0%	13 100.0%	11 100.0%	34 100.0%	123 100.0%
Have you ever participate any kind of re-training?								
Yes (go to 2-6)	2 10.5%	5 41.7%	4 23.5%	8 40.0%	8 53.3%	6 54.5%	13 34.2%	46 34.8%
No (go to 2-8)	17 89.5%	7 58.3%	13 76.5%	12 60.0%	7 46.7%	5 45.5%	25 65.8%	86 65.2%
Total	19 100.0%	12 100.0%	17 100.0%	20 100.0%	15 100.0%	11 100.0%	38 100.0%	132 100.0%
Where was it?								
My work place	1 20.0%	2 22.2%	0 0.0%	2 14.3%	1 11.1%	3 37.5%	8 57.1%	17 27.0%
In the same oblast where I live	1 20.0%	4 44.4%	3 75.0%	7 50.0%	7 77.8%	1 12.5%	0 0.0%	23 36.5%
In the other oblast where I live	1 20.0%	0 0.0%	0 0.0%	1 7.1%	0 0.0%	1 12.5%	2 14.3%	5 7.9%
Tashkent City	2 40.0%	3 33.3%	1 25.0%	4 28.6%	1 11.1%	3 37.5%	4 28.6%	18 28.6%
Total	5 100.0%	9 100.0%	4 100.0%	14 100.0%	9 100.0%	8 100.0%	14 100.0%	63 100.0%
Do you need to pay for the training?								
Yes	6 50.0%	2 18.2%	1 16.7%	4 23.5%	1 9.1%	3 37.5%	2 12.5%	19 23.5%
No	6 50.0%	9 81.8%	5 83.3%	13 76.5%	10 90.9%	5 62.5%	14 87.5%	62 76.5%
Total	12 100.0%	11 100.0%	6 100.0%	17 100.0%	11 100.0%	8 100.0%	16 100.0%	81 100.0%



Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarqand	Tashkent	Tashkent city	Total
If yes, for what items?								
Transportation	6 54.5%	2 50.0%	1 33.3%	5 71.4%	1 100.0%	1 33.3%	0 0.0%	16 55.2%
Living cost	4 36.4%	1 25.0%	1 33.3%	1 14.3%	0 0.0%	0 0.0%	0 0.0%	7 24.1%
Training expense	1 9.1%	1 25.0%	1 33.3%	1 14.3%	0 0.0%	2 66.7%	0 0.0%	6 20.7%
Total	11 100.0%	4 100.0%	3 100.0%	7 100.0%	1 100.0%	3 100.0%	0 0.0%	29 100.0%
Do you want to study again?								
Yes (go to 2-9)	18 94.7%	13 100.0%	12 75.0%	19 100.0%	14 93.3%	11 100.0%	34 94.4%	121 93.8%
No (go to 2-10)	1 5.3%	0 0.0%	4 25.0%	0 0.0%	1 6.7%	0 0.0%	2 5.6%	8 6.2%
Total	19 100.0%	13 100.0%	16 100.0%	19 100.0%	15 100.0%	11 100.0%	36 100.0%	129 100.0%
Why do you want to study more?								
Skill up	15 71.4%	13 100.0%	13 92.9%	19 86.4%	15 93.8%	11 91.7%	32 71.1%	118 82.5%
Salary up	5 23.8%	0 0.0%	1 7.1%	1 4.5%	0 0.0%	1 8.3%	6 13.3%	14 9.8%
Obligation	0 0.0%	0 0.0%	0 0.0%	2 9.1%	1 6.3%	0 0.0%	4 8.9%	7 4.9%
Interest	1 4.8%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	3 6.7%	4 2.8%
Total	21 100.0%	13 100.0%	14 100.0%	22 100.0%	16 100.0%	12 100.0%	45 100.0%	143 100.0%
Why don't you want to study again?								
Enough	0 0.0%	1 33.3%	4 66.7%	0 0.0%	1 25.0%	0 0.0%	3 33.3%	9 28.1%
No time	1 33.3%	1 33.3%	0 0.0%	4 57.1%	1 25.0%	0 0.0%	2 22.2%	9 28.1%
No interest	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 25.0%	0 0.0%	0 0.0%	1 3.1%
No chance	2 66.7%	1 33.3%	2 33.3%	3 42.9%	1 25.0%	0 0.0%	4 44.4%	13 40.6%
Difficult to turn new knowledge in old environment	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	3 100.0%	3 100.0%	6 100.0%	7 100.0%	4 100.0%	0 0.0%	9 100.0%	32 100.0%
When you received re-training, how you were sent?								
By your own wish	11 55.0%	6 40.0%	9 75.0%	8 40.0%	13 76.5%	4 44.4%	21 56.8%	72 55.4%
By nomination	7 35.0%	9 60.0%	2 16.7%	11 55.0%	4 23.5%	4 44.4%	12 32.4%	49 37.7%
By competition	1 5.0%	0 0.0%	1 8.3%	0 0.0%	0 0.0%	1 11.1%	3 8.1%	6 4.6%
Other ( )	1 5.0%	0 0.0%	0 0.0%	1 5.0%	0 0.0%	0 0.0%	1 2.7%	3 2.3%
Total	20 100.0%	15 100.0%	12 100.0%	20 100.0%	17 100.0%	9 100.0%	37 100.0%	130 100.0%
Did you find that re-training courses useful for you?								
Yes	18 94.7%	12 100.0%	11 100.0%	18 94.7%	15 100.0%	10 100.0%	33 94.3%	117 96.7%
No	1 5.3%	0 0.0%	0 0.0%	1 5.3%	0 0.0%	0 0.0%	2 5.7%	4 3.3%
Total	19 100.0%	12 100.0%	11 100.0%	19 100.0%	15 100.0%	10 100.0%	35 100.0%	121 100.0%

Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarqand	Tashkent	Tashkent city	Total
If yes, what percent of knowledge and practical skills could you implement to your routine practice?								
<20%	0	0	1	1	1	0	4	7
20<40%	5	1	3	8	1	1	11	30
40<60%	9	8	4	6	7	3	10	47
60<80%	1	2	3	3	2	2	3	16
80%<	3	1	0	0	1	2	3	10
Total	18	12	11	18	12	8	31	110
What was especially useful for during re-training courses? (Mark several points important for you)								
Up grading of new information and knowledge	17	11	9	20	15	9	33	114
Skill up in technology	12	5	5	9	9	6	15	61
Accessibility to modern literature in library	4	1	1	3	3	4	7	23
Opportunity to communicate with colleagues and change with experience	7	4	7	7	6	7	23	61
Other ( )	0	0	0	1	0	0	0	1
Total	40	21	22	40	33	26	78	260
Have your status/ welfare standards changed after finished the re-training courses?								
Yes, it has become better	10	9	9	10	12	8	20	78
No, it still the same	7	2	2	10	3	1	11	36
It has become worse	0	0	0	0	0	0	1	1
Difficulty to answer	2	2	0	0	1	1	3	9
Total	19	13	11	20	16	10	35	124
Did the re-training course change your attitude to your work?								
Yes	13	7	10	11	10	9	22	82
No	1	0	0	3	2	0	7	13
The satisfaction by my work increased	9	2	8	8	6	5	13	51
The relationship to patients has become better	9	1	1	7	1	2	9	30
The relationship to personnel has become better	8	7	2	5	6	1	10	39
The quality of diagnostics and treatment have been improved	10	2	5	4	6	6	8	41
I found new opportunities for CME (Continued Medical Education)	0	1	0	0	4	4	2	11
Other ( )	0	0	0	1	0	0	0	1
Total	50	20	26	39	35	27	71	268
What would you like to change in your work?								
To improve the quality of diagnostics and treatment	12	10	12	14	14	4	30	96
To improve the prevention work	10	8	5	10	7	8	16	64
To improve communication skills and relations with patients	6	1	2	5	2	2	6	24
To improve relationship with colleagues and personnel	5	6	0	3	6	0	11	31
To receive more opportunities for CME	0	3	1	3	4	6	13	30
To have more opportunities to meet with colleagues and change with experience	3	3	2	4	3	5	9	29
Other ( )	1	0	0	2	0	0	0	3
Total	37	31	22	41	36	25	85	277

Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarkand	Tashkent	Tashkent city	Total
Do you follow CME?								
Yes	18 94.7%	13 100.0%	16 94.1%	17 85.0%	15 93.8%	11 100.0%	35 92.1%	125 93.3%
No	1 5.3%	0 0.0%	1 5.9%	3 15.0%	1 6.3%	0 0.0%	3 7.9%	9 6.7%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	16 100.0%	11 100.0%	38 100.0%	134 100.0%
What kind of continued medical education do you take after starting to work?								
Self-education in library	14 41.2%	7 41.2%	11 55.0%	7 21.2%	10 35.7%	5 23.8%	22 27.8%	76 32.8%
Mentorship of a colleague	3 8.8%	0 0.0%	0 0.0%	3 9.1%	3 10.7%	3 14.3%	14 17.7%	26 11.2%
Cases study	8 23.5%	2 11.8%	3 15.0%	5 15.2%	6 21.4%	5 23.8%	13 16.5%	42 18.1%
Conferences and seminars	7 20.6%	7 41.2%	6 30.0%	16 48.5%	9 32.1%	7 33.3%	28 35.4%	80 34.5%
Training course	1 2.9%	1 5.9%	0 0.0%	1 3.0%	0 0.0%	1 4.8%	2 2.5%	6 2.6%
Never trained	1 2.9%	0 0.0%	0 0.0%	1 3.0%	0 0.0%	0 0.0%	0 0.0%	2 0.9%
Other ( )	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	34 100.0%	17 100.0%	20 100.0%	33 100.0%	28 100.0%	21 100.0%	79 100.0%	232 100.0%
How does it influence to your practice?								
Improve the quality of my diagnostics and treatment	12 31.6%	8 38.1%	13 68.4%	7 22.6%	9 40.9%	6 28.6%	23 32.4%	78 35.0%
Help to escape (prevent) mistakes in future	12 31.6%	7 33.3%	4 21.1%	12 38.7%	7 31.8%	10 47.6%	17 23.9%	69 30.9%
Improve communication with patients	8 21.1%	2 9.5%	1 5.3%	4 12.9%	0 0.0%	2 9.5%	7 9.9%	24 10.8%
Improve relationship with colleagues and personnel	6 15.8%	4 19.0%	1 5.3%	6 19.4%	6 27.3%	2 9.5%	21 29.6%	46 20.6%
Doesn't influence	0 0.0%	0 0.0%	0 0.0%	2 6.5%	0 0.0%	1 4.8%	3 4.2%	6 2.7%
Other ( )	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	38 100.0%	21 100.0%	19 100.0%	31 100.0%	22 100.0%	21 100.0%	71 100.0%	223 100.0%
Did you make some notes on your CME?								
Yes	4 22.2%	5 41.7%	6 40.0%	10 52.6%	3 21.4%	5 41.7%	15 46.9%	48 39.3%
No	14 77.8%	7 58.3%	9 60.0%	9 47.4%	11 78.6%	7 58.3%	17 53.1%	74 60.7%
Total	18 100.0%	12 100.0%	15 100.0%	19 100.0%	14 100.0%	12 100.0%	32 100.0%	122 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
Do you know any re-training system?								
Yes	19 86.4%	53 96.4%	43 76.8%	115 86.5%	16 94.1%	14 87.5%	84 84.8%	114 86.4%
No	3 13.6%	2 3.6%	13 23.2%	18 13.5%	1 5.9%	2 12.5%	15 15.2%	18 13.6%
Total	22 100.0%	55 100.0%	56 100.0%	133 100.0%	17 100.0%	16 100.0%	99 100.0%	132 100.0%
Who is the target?				0				0
Doctor	18 46.2%	41 40.6%	41 36.3%	100 39.5%	11 33.3%	15 45.5%	73 39.7%	99 39.6%
Nurse	14 35.9%	32 31.7%	37 32.7%	83 32.8%	14 42.4%	10 30.3%	58 31.5%	82 32.8%
Co-medical	0 0.0%	6 5.9%	8 7.1%	14 5.5%	2 6.1%	1 3.0%	11 6.0%	14 5.6%
Administration	7 17.9%	22 21.8%	27 23.9%	56 22.1%	6 18.2%	7 21.2%	42 22.8%	55 22.0%
Total	39 100.0%	101 100.0%	113 100.0%	253 100.0%	33 100.0%	33 100.0%	184 100.0%	250 100.0%
Who is the organizer?				0				0
Ministry of health	18 94.7%	53 82.8%	45 83.3%	116 84.7%	16 88.9%	15 93.8%	84 82.4%	115 84.6%
Other ministry	0 0.0%	1 1.6%	2 3.7%	3 2.2%	1 5.6%	0 0.0%	2 2.0%	3 2.2%
Donor	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
NGO	0 0.0%	1 1.6%	0 0.0%	1 0.7%	0 0.0%	0 0.0%	1 1.0%	1 0.7%
International Agency (UNICEF, etc.)	1 5.3%	9 14.1%	7 13.0%	17 12.4%	1 5.6%	1 6.3%	15 14.7%	17 12.5%
Total	19 100.0%	64 100.0%	54 100.0%	137 100.0%	18 100.0%	16 100.0%	102 100.0%	136 100.0%
Project "Health-1": do you know this training course?				0				0
Yes, I participate it.	1 5.3%	21 38.9%	12 24.0%	34 27.6%	7 41.2%	5 33.3%	22 24.4%	34 27.9%
Yes, but I don't participate it.	5 26.3%	22 40.7%	20 40.0%	47 38.2%	2 11.8%	7 46.7%	37 41.1%	46 37.7%
No, but I am interested in it.	13 68.4%	7 13.0%	15 30.0%	35 28.5%	5 29.4%	3 20.0%	27 30.0%	35 28.7%
No, and I don't care it.	0 0.0%	4 7.4%	3 6.0%	7 5.7%	3 17.6%	0 0.0%	4 4.4%	7 5.7%
Total	19 100.0%	54 100.0%	50 100.0%	123 100.0%	17 100.0%	15 100.0%	90 100.0%	122 100.0%
Have you ever participate any kind of re-training?				0				0
Yes (go to 2-6)	9 42.9%	21 38.9%	16 28.1%	46 34.8%	9 50.0%	7 43.8%	30 30.9%	46 35.1%
No (go to 2-8)	12 57.1%	33 61.1%	41 71.9%	86 65.2%	9 50.0%	9 56.3%	67 69.1%	85 64.9%
Total	21 100.0%	54 100.0%	57 100.0%	132 100.0%	18 100.0%	16 100.0%	97 100.0%	131 100.0%
Where was it?				0				0
My work place	3 30.0%	6 18.8%	8 38.1%	17 27.0%	2 22.2%	3 33.3%	12 26.7%	17 27.0%
In the same oblast where I live	6 60.0%	14 43.8%	3 14.3%	23 36.5%	3 33.3%	3 33.3%	17 37.8%	23 36.5%
In the other oblast where I live	0 0.0%	2 6.3%	3 14.3%	5 7.9%	0 0.0%	1 11.1%	4 8.9%	5 7.9%
Tashkent City	1 10.0%	10 31.3%	7 33.3%	18 28.6%	4 44.4%	2 22.2%	12 26.7%	18 28.6%
Total	10 100.0%	32 100.0%	21 100.0%	63 100.0%	9 100.0%	9 100.0%	45 100.0%	63 100.0%
Do you need to pay for the training?				0				0
Yes	5 35.7%	11 26.8%	3 11.5%	19 23.5%	5 38.5%	4 33.3%	10 18.2%	19 23.8%
No	9 64.3%	30 73.2%	23 88.5%	62 76.5%	8 61.5%	8 66.7%	45 81.8%	61 76.3%
Total	14 100.0%	41 100.0%	26 100.0%	81 100.0%	13 100.0%	12 100.0%	55 100.0%	80 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
If yes, for what items?				0				0
Transportation	5 50.0%	10 66.7%	1 25.0%	16 55.2%	4 80.0%	3 50.0%	9 50.0%	16 55.2%
Living cost	3 30.0%	3 20.0%	1 25.0%	7 24.1%	1 20.0%	2 33.3%	4 22.2%	7 24.1%
Training expense	2 20.0%	2 13.3%	2 50.0%	6 20.7%	0 0.0%	1 16.7%	5 27.8%	6 20.7%
Total	10 100.0%	15 100.0%	4 100.0%	29 100.0%	5 100.0%	6 100.0%	18 100.0%	29 100.0%
Do you want to study again?				0				0
Yes (go to 2-9)	19 90.5%	52 98.1%	50 90.9%	121 93.8%	16 94.1%	13 81.3%	92 95.8%	121 93.8%
No (go to 2-10)	2 9.5%	1 1.9%	5 9.1%	8 6.2%	1 5.9%	3 18.8%	4 4.2%	8 6.2%
Total	21 100.0%	53 100.0%	55 100.0%	129 100.0%	17 100.0%	16 100.0%	96 100.0%	129 100.0%
Why do you want to study more?				0				0
Skill up	19 73.1%	52 88.1%	47 81.0%	118 82.5%	16 84.2%	15 78.9%	86 82.7%	117 82.4%
Salary up	5 19.2%	4 6.8%	5 8.6%	14 9.8%	1 5.3%	2 10.5%	11 10.6%	14 9.9%
Obligation	1 3.8%	3 5.1%	3 5.2%	7 4.9%	0 0.0%	2 10.5%	5 4.8%	7 4.9%
Interest	1 3.8%	0 0.0%	3 5.2%	4 2.8%	2 10.5%	0 0.0%	2 1.9%	4 2.8%
Total	26 100.0%	59 100.0%	58 100.0%	143 100.0%	19 100.0%	19 100.0%	104 100.0%	142 100.0%
Why don't you want to study again?				0				0
Enough	2 40.0%	2 15.4%	5 35.7%	9 28.1%	1 33.3%	1 16.7%	7 30.4%	9 28.1%
No time	0 0.0%	7 53.8%	2 14.3%	9 28.1%	1 33.3%	1 16.7%	7 30.4%	9 28.1%
No interest	0 0.0%	0 0.0%	1 7.1%	1 3.1%	0 0.0%	1 16.7%	0 0.0%	1 3.1%
No chance	3 60.0%	4 30.8%	6 42.9%	13 40.6%	1 33.3%	3 50.0%	9 39.1%	13 40.6%
Difficult to turn new knowledge in old environment	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	5 100.0%	13 100.0%	14 100.0%	32 100.0%	3 100.0%	6 100.0%	23 100.0%	32 100.0%
When you received re-training, how you were sent?				0				0
By your own wish	11 50.0%	31 55.4%	30 57.7%	72 55.4%	9 52.9%	12 75.0%	51 53.1%	72 55.8%
By nomination	9 40.9%	23 41.1%	17 32.7%	49 37.7%	6 35.3%	3 18.8%	39 40.6%	48 37.2%
By competition	1 4.5%	1 1.8%	4 7.7%	6 4.6%	2 11.8%	1 6.3%	3 3.1%	6 4.7%
Other ( )	1 4.5%	1 1.8%	1 1.9%	3 2.3%	0 0.0%	0 0.0%	3 3.1%	3 2.3%
Total	22 100.0%	56 100.0%	52 100.0%	130 100.0%	17 100.0%	16 100.0%	96 100.0%	129 100.0%
Did you find that re-training courses useful for you?				0				0
Yes	19 95.0%	49 98.0%	49 96.1%	117 96.7%	14 100.0%	15 100.0%	87 95.6%	116 96.7%
No	1 5.0%	1 2.0%	2 3.9%	4 3.3%	0 0.0%	0 0.0%	4 4.4%	4 3.3%
Total	20 100.0%	50 100.0%	51 100.0%	121 100.0%	14 100.0%	15 100.0%	91 100.0%	120 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
If yes, what percent of knowledge and practical skills could you implement to your routine practice?				0				0
<20%	2 11.1%	3 6.5%	2 4.3%	7 6.4%	2 16.7%	0 0.0%	5 6.0%	7 6.4%
20<40%	4 22.2%	12 26.1%	14 30.4%	30 27.3%	4 33.3%	6 46.2%	20 23.8%	30 27.5%
40<60%	11 61.1%	19 41.3%	17 37.0%	47 42.7%	4 33.3%	3 23.1%	40 47.6%	47 43.1%
60<80%	0 0.0%	11 23.9%	5 10.9%	16 14.5%	1 8.3%	0 0.0%	14 16.7%	15 13.8%
80%<	1 5.6%	1 2.2%	8 17.4%	10 9.1%	1 8.3%	4 30.8%	5 6.0%	10 9.2%
Total	18 100.0%	46 100.0%	46 100.0%	110 100.0%	12 100.0%	13 100.0%	84 100.0%	109 100.0%
What was especially useful for during re-training courses? (Mark several points important for you)				0				0
Up grading of new information and knowledge	19 42.2%	49 45.0%	46 43.4%	114 43.8%	13 37.1%	14 42.4%	86 45.0%	113 43.6%
Skill up in technology	13 28.9%	27 24.8%	21 19.8%	61 23.5%	7 20.0%	8 24.2%	46 24.1%	61 23.6%
Accessibility to modern literature in library	4 8.9%	12 11.0%	7 6.6%	23 8.8%	6 17.1%	2 6.1%	15 7.9%	23 8.9%
Opportunity to communicate with colleagues and change with experience	9 20.0%	20 18.3%	32 30.2%	61 23.5%	9 25.7%	9 27.3%	43 22.5%	61 23.6%
Other ( )	0 0.0%	1 0.9%	0 0.0%	1 0.4%	0 0.0%	0 0.0%	1 0.5%	1 0.4%
Total	45 100.0%	109 100.0%	106 100.0%	260 100.0%	35 100.0%	33 100.0%	191 100.0%	259 100.0%
Have your status/ welfare standards changed after finished the re-training courses?				0				0
Yes, it has become better	15 75.0%	37 71.2%	26 50.0%	78 62.9%	10 66.7%	10 66.7%	57 61.3%	77 62.6%
No, it still the same	4 20.0%	13 25.0%	19 36.5%	36 29.0%	4 26.7%	5 33.3%	27 29.0%	36 29.3%
It has become worse	0 0.0%	0 0.0%	1 1.9%	1 0.8%	0 0.0%	0 0.0%	1 1.1%	1 0.8%
Difficulty to answer	1 5.0%	2 3.8%	6 11.5%	9 7.3%	1 6.7%	0 0.0%	8 8.6%	9 7.3%
Total	20 100.0%	52 100.0%	52 100.0%	124 100.0%	15 100.0%	15 100.0%	93 100.0%	123 100.0%
Did the re-training courses change your attitude to your work?				0				0
Yes	15 27.3%	32 28.8%	35 34.3%	82 30.6%	11 34.4%	10 45.5%	60 28.3%	81 30.5%
No	1 1.8%	4 3.6%	8 7.8%	13 4.9%	1 3.1%	3 13.6%	9 4.2%	13 4.9%
The satisfaction by my work increased	10 18.2%	25 22.5%	16 15.7%	51 19.0%	5 15.6%	4 18.2%	41 19.3%	50 18.8%
The relationship to patients has become better	9 16.4%	10 9.0%	11 10.8%	30 11.2%	4 12.5%	1 4.5%	25 11.8%	30 11.3%
The relationship to personnel has become better	9 16.4%	18 16.2%	12 11.8%	39 14.6%	3 9.4%	1 4.5%	35 16.5%	39 14.7%
The quality of diagnostics and treatment have been improved	10 18.2%	16 14.4%	15 14.7%	41 15.3%	4 12.5%	3 13.6%	34 16.0%	41 15.4%
I found new opportunities for CME (Continued Medical Education)	1 1.8%	5 4.5%	5 4.9%	11 4.1%	4 12.5%	0 0.0%	7 3.3%	11 4.1%
Other ( )	0 0.0%	1 0.9%	0 0.0%	1 0.4%	0 0.0%	0 0.0%	1 0.5%	1 0.4%
Total	55 100.0%	111 100.0%	102 100.0%	268 100.0%	32 100.0%	22 100.0%	212 100.0%	266 100.0%
What would you like to change in your work?				0				0
To improve the quality of diagnostics and treatment	16 34.0%	38 31.1%	42 38.9%	96 34.7%	9 27.3%	12 41.4%	75 35.0%	96 34.8%
To improve the prevention work	12 25.5%	32 26.2%	20 18.5%	64 23.1%	8 24.2%	7 24.1%	49 22.9%	64 23.2%
To improve communication skills and relations with patients	8 17.0%	11 9.0%	5 4.6%	24 8.7%	4 12.1%	1 3.4%	19 8.9%	24 8.7%
To improve relationship with colleagues and personnel	3 6.4%	13 10.7%	15 13.9%	31 11.2%	4 12.1%	4 13.8%	23 10.7%	31 11.2%
To receive more opportunities for CME	5 10.6%	10 8.2%	15 13.9%	30 10.8%	5 15.2%	2 6.9%	23 10.7%	30 10.9%
To have more opportunities to meet with colleagues and change with experience	3 6.4%	16 13.1%	10 9.3%	29 10.5%	3 9.1%	3 10.3%	22 10.3%	28 10.1%
Other ( )	0 0.0%	2 1.6%	1 0.9%	3 1.1%	0 0.0%	0 0.0%	3 1.4%	3 1.1%
Total	47 100.0%	122 100.0%	108 100.0%	277 100.0%	33 100.0%	29 100.0%	214 100.0%	276 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
Do you follow CME?				0				0
Yes	21 100.0%	51 92.7%	53 91.4%	125 93.3%	16 88.9%	14 87.5%	94 94.9%	124 93.2%
No	0 0.0%	4 7.3%	5 8.6%	9 6.7%	2 11.1%	2 12.5%	5 5.1%	9 6.8%
Total	21 100.0%	55 100.0%	58 100.0%	134 100.0%	18 100.0%	16 100.0%	99 100.0%	133 100.0%
What kind of continued medical education do you take after starting to work?				0				0
Self-education in library	15 40.5%	29 30.9%	32 31.7%	76 32.8%	8 30.8%	8 29.6%	60 33.7%	76 32.9%
Mentorship of a colleague	3 8.1%	8 8.5%	15 14.9%	26 11.2%	2 7.7%	5 18.5%	19 10.7%	26 11.3%
Cases study	8 21.6%	19 20.2%	15 14.9%	42 18.1%	4 15.4%	2 7.4%	36 20.2%	42 18.2%
Conferences and seminars	11 29.7%	35 37.2%	34 33.7%	80 34.5%	12 46.2%	11 40.7%	56 31.5%	79 34.2%
Training course	0 0.0%	2 2.1%	4 4.0%	6 2.6%	0 0.0%	0 0.0%	6 3.4%	6 2.6%
Never trained	0 0.0%	1 1.1%	1 1.0%	2 0.9%	0 0.0%	1 3.7%	1 0.6%	2 0.9%
Other ( )	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	37 100.0%	94 100.0%	101 100.0%	232 100.0%	26 100.0%	27 100.0%	178 100.0%	231 100.0%
How does it influence to your practice?				0				0
Improve the quality of my diagnostics and treatment	18 45.0%	31 33.3%	29 32.2%	78 35.0%	7 28.0%	12 46.2%	59 34.5%	78 35.1%
Help to escape (prevent) mistakes in future	12 30.0%	30 32.3%	27 30.0%	69 30.9%	9 36.0%	7 26.9%	52 30.4%	68 30.6%
Improve communication with patients	4 10.0%	11 11.8%	9 10.0%	24 10.8%	3 12.0%	1 3.8%	20 11.7%	24 10.8%
Improve relationship with colleagues and personnel	6 15.0%	18 19.4%	22 24.4%	46 20.6%	5 20.0%	6 23.1%	35 20.5%	46 20.7%
Doesn't influence	0 0.0%	3 3.2%	3 3.3%	6 2.7%	1 4.0%	0 0.0%	5 2.9%	6 2.7%
Other ( )	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	40 100.0%	93 100.0%	90 100.0%	223 100.0%	25 100.0%	26 100.0%	171 100.0%	222 100.0%
Did you make some notes on your CME?				0				0
Yes	8 38.1%	22 42.3%	18 36.7%	48 39.3%	6 42.9%	6 42.9%	36 38.7%	48 39.7%
No	13 61.9%	30 57.7%	31 63.3%	74 60.7%	8 57.1%	8 57.1%	57 61.3%	73 60.3%
Total	21 100.0%	52 100.0%	49 100.0%	122 100.0%	14 100.0%	14 100.0%	93 100.0%	121 100.0%

### 3. Providing Medical Service

Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarkand	Tashkent	Tashkent city	Total
What is "Medical Service" for you? Please choose 3 items and put 1 by the most important and so on down to 3.								
A. To communicate enough with patient	7 12.1%	2 5.4%	6 12.5%	9 15.0%	7 15.9%	6 16.2%	12 10.2%	49 12.2%
B. To provide high technological diagnosis	8 13.8%	9 24.3%	7 14.6%	14 23.3%	10 22.7%	7 18.9%	36 30.5%	91 22.6%
C. To perform precise treatment/ operation	7 12.1%	8 21.6%	8 16.7%	5 8.3%	5 11.4%	1 2.7%	15 12.7%	49 12.2%
D. To give patient a cost-effective treatment	4 6.9%	7 18.9%	4 8.3%	7 11.7%	5 11.4%	5 13.5%	9 7.6%	41 10.2%
E. To do the professional work as medical worker	15 25.9%	6 16.2%	14 29.2%	12 20.0%	12 27.3%	11 29.7%	29 24.6%	99 24.6%
F. To satisfy the patient's desire	7 12.1%	1 2.7%	3 6.3%	6 10.0%	1 2.3%	3 8.1%	5 4.2%	26 6.5%
G. To provide enough drug	7 12.1%	3 8.1%	5 10.4%	4 6.7%	1 2.3%	2 5.4%	8 6.8%	30 7.5%
H. To relieve from pain of patient	3 5.2%	1 2.7%	0 0.0%	2 3.3%	3 6.8%	2 5.4%	2 1.7%	13 3.2%
I. To consider the quality of life of patient	0 0.0%	0 0.0%	1 2.1%	1 1.7%	0 0.0%	0 0.0%	2 1.7%	4 1.0%
Total	58 100.0%	37 100.0%	48 100.0%	60 100.0%	44 100.0%	37 100.0%	118 100.0%	402 100.0%
Can you provide a good "Medical Service"?								
Excellent	0 0.0%	1 7.7%	3 17.6%	4 20.0%	4 25.0%	1 8.3%	11 28.2%	24 17.6%
Satisfactory	16 84.2%	11 84.6%	14 82.4%	14 70.0%	11 68.8%	11 91.7%	28 71.8%	105 77.2%
Not enough	3 15.8%	1 7.7%	0 0.0%	2 10.0%	1 6.3%	0 0.0%	0 0.0%	7 5.1%
Poor	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	16 100.0%	12 100.0%	39 100.0%	136 100.0%
In which point you can serve to patient? In which point you can't serve to patient?								
A. To communicate enough with patient	16 17.6%	5 17.9%	6 10.9%	4 10.8%	5 6.2%	0 0.0%	8 19.0%	44 13.0%
B. To provide high technological diagnosis	5 5.5%	1 3.6%	3 5.5%	5 13.5%	6 7.4%	3 75.0%	4 9.5%	27 8.0%
C. To perform precise treatment/ operation	9 9.9%	4 14.3%	7 12.7%	3 8.1%	10 12.3%	0 0.0%	5 11.9%	38 11.2%
D. To give patient a cost-effective treatment	10 11.0%	2 7.1%	6 10.9%	4 10.8%	10 12.3%	0 0.0%	5 11.9%	37 10.9%
E. To do the professional work as medical worker	18 19.8%	4 14.3%	7 12.7%	4 10.8%	9 11.1%	0 0.0%	5 11.9%	47 13.9%
F. To satisfy the patient's desire	8 8.8%	2 7.1%	6 10.9%	3 8.1%	10 12.3%	0 0.0%	4 9.5%	33 9.8%
G. To provide enough drug	5 5.5%	3 10.7%	5 9.1%	5 13.5%	9 11.1%	1 25.0%	4 9.5%	32 9.5%
H. To relieve from pain of patient	15 16.5%	5 17.9%	7 12.7%	4 10.8%	11 13.6%	0 0.0%	4 9.5%	46 13.6%
I. To consider the quality of life of patient	5 5.5%	2 7.1%	8 14.5%	5 13.5%	11 13.6%	0 0.0%	3 7.1%	34 10.1%
Total	91 100.0%	28 100.0%	55 100.0%	37 100.0%	81 100.0%	4 100.0%	42 100.0%	338 100.0%
Do you want to improve your service?								
Yes (if yes, go to 3-5)	19 100.0%	13 100.0%	16 94.1%	20 100.0%	15 100.0%	11 100.0%	38 100.0%	132 99.2%
No (if no, go to 3-6)	0 0.0%	0 0.0%	1 5.9%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 0.8%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	15 100.0%	11 100.0%	38 100.0%	133 100.0%



Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarqand	Tashkent	Tashkent city	Total
How do you want to change?								
Increasing medical knowledge	10 40.0%	4 21.1%	7 35.0%	13 41.9%	9 34.6%	6 37.5%	31 40.3%	80 37.4%
Technical practice for new equipment	13 52.0%	9 47.4%	6 30.0%	6 19.4%	8 30.8%	5 31.3%	28 36.4%	75 35.0%
Following new health reform system	2 8.0%	6 31.8%	6 30.0%	11 35.5%	9 34.6%	5 31.3%	17 22.1%	56 26.2%
Other process	0 0.0%	0 0.0%	1 5.0%	1 3.2%	0 0.0%	0 0.0%	1 1.3%	3 1.4%
Total	25 100.0%	19 100.0%	20 100.0%	31 100.0%	26 100.0%	16 100.0%	77 100.0%	214 100.0%
Why don't you want to change?								
Enough	1 16.7%	0 0.0%	2 33.3%	1 16.7%	4 57.1%	0 0.0%	3 33.3%	11 28.2%
No time	0 0.0%	1 25.0%	0 0.0%	1 16.7%	0 0.0%	0 0.0%	1 11.1%	3 7.7%
No interest	0 0.0%	0 0.0%	0 0.0%	1 16.7%	0 0.0%	0 0.0%	0 0.0%	1 2.6%
No chance	3 50.0%	1 25.0%	2 33.3%	2 33.3%	0 0.0%	0 0.0%	3 33.3%	11 28.2%
Difficult to turn new knowledge in old environment	2 33.3%	2 50.0%	2 33.3%	1 16.7%	3 42.9%	1 100.0%	2 22.2%	13 33.3%
Total	6 100.0%	4 100.0%	6 100.0%	6 100.0%	7 100.0%	1 100.0%	9 100.0%	39 100.0%
Do you want patients to aware of medical issue?								
Yes (if yes, go to 3-8)	18 94.7%	13 100.0%	17 100.0%	18 90.0%	14 93.3%	12 100.0%	34 89.5%	126 94.0%
No (if no, go to 3-9)	1 5.3%	0 0.0%	0 0.0%	2 10.0%	1 6.7%	0 0.0%	4 10.5%	8 6.0%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	15 100.0%	12 100.0%	38 100.0%	134 100.0%
Why do you want them to change?								
I can't explain everything.	0 0.0%	1 5.6%	1 6.3%	2 8.7%	2 12.5%	0 0.0%	1 2.0%	7 4.3%
I want to shorten consulting time.	5 20.8%	2 11.1%	0 0.0%	2 8.7%	3 18.8%	1 6.7%	2 4.0%	15 9.3%
Patient should be scientific and logical.	7 29.2%	4 22.2%	4 25.0%	6 26.1%	2 12.5%	4 26.7%	15 30.0%	42 25.9%
To take care themselves, better to have basic knowledge.	1 4.2%	1 5.6%	0 0.0%	1 4.3%	3 18.8%	2 13.3%	6 12.0%	14 8.6%
To bring up their families, better to understand the importance of medicine.	11 45.8%	10 55.6%	11 68.8%	12 52.2%	6 37.5%	8 53.3%	26 52.0%	84 51.9%
Total	24 100.0%	18 100.0%	16 100.0%	23 100.0%	16 100.0%	15 100.0%	50 100.0%	162 100.0%
Why do you want patients to be same?								
Patient must follow medical specialists.	1 33.3%	5 71.4%	3 100.0%	6 85.7%	3 60.0%	1 33.3%	7 87.5%	26 72.2%
A little learning is a dangerous thing.	1 33.3%	1 14.3%	0 0.0%	0 0.0%	1 20.0%	1 33.3%	0 0.0%	4 11.1%
No need, because I provide enough knowledge.	1 33.3%	1 14.3%	0 0.0%	0 0.0%	1 20.0%	0 0.0%	1 12.5%	4 11.1%
Others	0 0.0%	0 0.0%	0 0.0%	1 14.3%	0 0.0%	1 33.3%	0 0.0%	2 5.6%
Total	3 100.0%	7 100.0%	3 100.0%	7 100.0%	5 100.0%	3 100.0%	8 100.0%	36 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
<i>What is "Medical Service" for you? Please choose 3 items and put 1 by the most important and so on down to 3.</i>								
A. To communicate enough with patient	9 14.1%	25 15.5%	15 8.5%	49 12.2%	10 16.4%	8 17.0%	31 10.7%	49 12.3%
B. To provide high technological diagnosis	8 12.5%	34 21.1%	49 27.7%	91 22.6%	12 19.7%	11 23.4%	67 23.0%	90 22.6%
C. To perform precise treatment/ operation	5 7.8%	19 11.8%	25 14.1%	49 12.2%	4 6.6%	6 12.8%	39 13.4%	49 12.3%
D. To give patient a cost-effective treatment	6 9.4%	20 12.4%	15 8.5%	41 10.2%	6 9.8%	3 6.4%	32 11.0%	41 10.3%
E. To do the professional work as medical worker	18 28.1%	36 22.4%	45 25.4%	99 24.6%	14 23.0%	14 29.8%	70 24.1%	98 24.6%
F. To satisfy the patient's desire	7 10.9%	9 5.6%	10 5.6%	26 6.5%	3 4.9%	4 8.5%	18 6.2%	25 6.3%
G. To provide enough drug	3 4.7%	12 7.5%	15 8.5%	30 7.5%	8 13.1%	1 2.1%	21 7.2%	30 7.5%
H. To relieve from pain of patient	7 10.9%	5 3.1%	1 0.6%	13 3.2%	2 3.3%	0 0.0%	11 3.8%	13 3.3%
I. To consider the quality of life of patient	1 1.6%	1 0.6%	2 1.1%	4 1.0%	2 3.3%	0 0.0%	2 0.7%	4 1.0%
Total	64 100.0%	161 100.0%	177 100.0%	402 100.0%	61 100.0%	47 100.0%	291 100.0%	399 100.0%
<i>Can you provide a good "Medical Service"?</i>								
Excellent	5 22.7%	7 12.7%	12 20.3%	24 17.6%	3 16.7%	1 5.9%	20 20.0%	24 17.8%
Satisfactory	16 72.7%	43 78.2%	46 78.0%	105 77.2%	14 77.8%	16 94.1%	74 74.0%	104 77.0%
Not enough	1 4.5%	5 9.1%	1 1.7%	7 5.1%	1 5.6%	0 0.0%	6 6.0%	7 5.2%
Poor	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%
Total	22 100.0%	55 100.0%	59 100.0%	136 100.0%	18 100.0%	17 100.0%	100 100.0%	135 100.0%
<i>In which point you can serve to patient? In which point you can't serve to patient?</i>								
A. To communicate enough with patient	8 12.5%	19 11.0%	17 16.7%	44 13.0%	6 17.1%	3 8.6%	35 13.1%	44 13.0%
B. To provide high technological diagnosis	6 9.4%	15 8.7%	6 5.9%	27 8.0%	4 11.4%	4 11.4%	19 7.1%	27 8.0%
C. To perform precise treatment/ operation	6 9.4%	21 12.2%	11 10.8%	38 11.2%	4 11.4%	4 11.4%	30 11.2%	38 11.2%
D. To give patient a cost-effective treatment	8 12.5%	19 11.0%	10 9.8%	37 10.9%	3 8.6%	4 11.4%	30 11.2%	37 10.9%
E. To do the professional work as medical worker	9 14.1%	21 12.2%	17 16.7%	47 13.9%	5 14.3%	4 11.4%	38 14.2%	47 13.9%
F. To satisfy the patient's desire	7 10.9%	17 9.9%	9 8.8%	33 9.8%	2 5.7%	4 11.4%	27 10.1%	33 9.8%
G. To provide enough drug	5 7.8%	17 9.9%	10 9.8%	32 9.5%	4 11.4%	4 11.4%	24 9.0%	32 9.5%
H. To relieve from pain of patient	8 12.5%	24 14.0%	14 13.7%	46 13.6%	4 11.4%	4 11.4%	38 14.2%	46 13.6%
I. To consider the quality of life of patient	7 10.9%	19 11.0%	8 7.8%	34 10.1%	3 8.6%	4 11.4%	27 10.1%	34 10.1%
Total	64 100.0%	172 100.0%	102 100.0%	338 100.0%	35 100.0%	35 100.0%	268 100.0%	338 100.0%
<i>Do you want to improve your service?</i>								
Yes (if yes, go to 3-5)	22 100.0%	54 100.0%	56 98.2%	132 99.2%	17 100.0%	15 93.8%	99 100.0%	131 99.2%
No (if no, go to 3-6)	0 0.0%	0 0.0%	1 1.8%	1 0.8%	0 0.0%	1 6.3%	0 0.0%	1 0.8%
Total	22 100.0%	54 100.0%	57 100.0%	133 100.0%	17 100.0%	16 100.0%	99 100.0%	132 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
<b>How do you want to change?</b>								
Increasing medical knowledge	11 35.5%	31 36.0%	38 39.2%	80 37.4%	10 41.7%	13 41.9%	56 35.4%	79 37.1%
Technical practice for new equipment	13 41.9%	25 29.1%	37 38.1%	75 35.0%	10 41.7%	11 35.5%	54 34.2%	75 35.2%
Following new health reform system	7 22.6%	28 32.6%	21 21.6%	56 26.2%	4 16.7%	7 22.6%	45 28.5%	56 26.3%
Other process	0 0.0%	2 2.3%	1 1.0%	3 1.4%	0 0.0%	0 0.0%	3 1.9%	3 1.4%
<b>Total</b>	<b>31 100.0%</b>	<b>86 100.0%</b>	<b>97 100.0%</b>	<b>214 100.0%</b>	<b>24 100.0%</b>	<b>31 100.0%</b>	<b>158 100.0%</b>	<b>213 100.0%</b>
<b>Why don't you want to change?</b>								
Enough	2 25.0%	5 33.3%	4 25.0%	11 28.2%	2 40.0%	3 37.5%	6 23.1%	11 28.2%
No time	0 0.0%	1 6.7%	2 12.5%	3 7.7%	0 0.0%	0 0.0%	3 11.5%	3 7.7%
No interest	0 0.0%	1 6.7%	0 0.0%	1 2.6%	0 0.0%	0 0.0%	1 3.8%	1 2.6%
No chance	3 37.5%	2 13.3%	6 37.5%	11 28.2%	1 20.0%	3 37.5%	7 26.9%	11 28.2%
Difficult to turn new knowledge in old environment	3 37.5%	6 40.0%	4 25.0%	13 33.3%	2 40.0%	2 25.0%	9 34.6%	13 33.3%
<b>Total</b>	<b>8 100.0%</b>	<b>15 100.0%</b>	<b>16 100.0%</b>	<b>39 100.0%</b>	<b>5 100.0%</b>	<b>8 100.0%</b>	<b>26 100.0%</b>	<b>39 100.0%</b>
<b>Do you want patients to aware of medical issue?</b>								
Yes (if yes, go to 3-8)	21 95.5%	52 96.3%	53 91.4%	126 94.0%	18 100.0%	16 94.1%	92 93.9%	126 94.7%
No (if no, go to 3-9)	1 4.5%	2 3.7%	5 8.6%	8 6.0%	0 0.0%	1 5.9%	6 6.1%	7 5.3%
<b>Total</b>	<b>22 100.0%</b>	<b>54 100.0%</b>	<b>58 100.0%</b>	<b>134 100.0%</b>	<b>18 100.0%</b>	<b>17 100.0%</b>	<b>98 100.0%</b>	<b>133 100.0%</b>
<b>Why do you want them to change?</b>								
I can't explain everything.	0 0.0%	4 6.5%	3 4.1%	7 4.3%	0 0.0%	1 5.9%	6 5.0%	7 4.3%
I want to shorten consulting time.	4 14.8%	7 11.3%	4 5.5%	15 9.3%	1 4.0%	1 5.9%	13 10.8%	15 9.3%
Patient should be scientific and logical.	6 22.2%	11 17.7%	25 34.2%	42 25.9%	8 32.0%	3 17.6%	31 25.8%	42 25.9%
To take care themselves, better to have basic knowledge.	3 11.1%	5 8.1%	6 8.2%	14 8.6%	4 16.0%	0 0.0%	10 8.3%	14 8.6%
To bring up their families, better to understand the importance of medicine.	14 51.9%	35 56.5%	35 47.9%	84 51.9%	12 48.0%	12 70.6%	60 50.0%	84 51.9%
<b>Total</b>	<b>27 100.0%</b>	<b>62 100.0%</b>	<b>73 100.0%</b>	<b>162 100.0%</b>	<b>25 100.0%</b>	<b>17 100.0%</b>	<b>120 100.0%</b>	<b>162 100.0%</b>
<b>Why do you want patients to be same?</b>								
Patient must follow medical specialists.	3 60.0%	11 73.3%	12 75.0%	26 72.2%	2 66.7%	5 71.4%	18 72.0%	25 71.4%
A little learning is a dangerous thing.	1 20.0%	1 6.7%	2 12.5%	4 11.1%	0 0.0%	2 28.6%	2 8.0%	4 11.4%
No need, because I provide enough knowledge.	1 20.0%	1 6.7%	2 12.5%	4 11.1%	1 33.3%	0 0.0%	3 12.0%	4 11.4%
Others	0 0.0%	2 13.3%	0 0.0%	2 5.6%	0 0.0%	0 0.0%	2 8.0%	2 5.7%
<b>Total</b>	<b>5 100.0%</b>	<b>15 100.0%</b>	<b>16 100.0%</b>	<b>36 100.0%</b>	<b>3 100.0%</b>	<b>7 100.0%</b>	<b>25 100.0%</b>	<b>35 100.0%</b>

#### 4. Health Service Management

Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samarkand	Tashkent	Tashkent city	Total
Do you know the structure of the management in healthcare system?								
Yes	17 100.0%	13 100.0%	17 100.0%	20 100.0%	16 100.0%	11 100.0%	36 92.3%	130 97.7%
No	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	3 7.7%	3 2.3%
Total	17 100.0%	13 100.0%	17 100.0%	20 100.0%	16 100.0%	11 100.0%	39 100.0%	133 100.0%
Who develop the rules and orders for you?								
Ministry of Health	17 42.5%	11 52.4%	14 77.8%	14 45.2%	14 50.0%	6 31.6%	35 70.0%	111 53.6%
Oblast Health department	12 30.0%	10 47.6%	0 0.0%	11 35.5%	7 25.0%	3 15.8%	3 6.0%	46 22.2%
Rayon Health department	8 20.0%	0 0.0%	1 5.6%	3 9.7%	3 10.7%	4 21.1%	1 2.0%	20 9.7%
Chief doctor of the facility	3 7.5%	0 0.0%	2 11.1%	3 9.7%	4 14.3%	5 26.3%	8 16.0%	25 12.1%
Chief doctor of the department	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 5.3%	3 6.0%	4 1.9%
I don't know	0 0.0%	0 0.0%	1 5.6%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 0.5%
Total	40 100.0%	21 100.0%	18 100.0%	31 100.0%	28 100.0%	19 100.0%	50 100.0%	207 100.0%
Do you know your qualification standards and professional requirements and rights?								
Yes	19 100.0%	13 100.0%	17 100.0%	20 100.0%	15 100.0%	11 91.7%	39 97.5%	134 98.5%
No	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 8.3%	1 2.5%	2 1.5%
Total	19 100.0%	13 100.0%	17 100.0%	20 100.0%	15 100.0%	12 100.0%	40 100.0%	136 100.0%
If yes, who developed them?								
Ministry of Health	17 47.2%	13 59.1%	16 84.2%	18 85.7%	13 46.4%	9 56.3%	36 73.5%	122 63.9%
Oblast Health department	11 30.6%	9 40.9%	0 0.0%	3 14.3%	7 25.0%	3 18.8%	2 4.1%	35 18.3%
Rayon Health department	5 13.9%	0 0.0%	0 0.0%	0 0.0%	4 14.3%	3 18.8%	1 2.0%	13 6.8%
Chief doctor of the facility	3 8.3%	0 0.0%	1 5.3%	0 0.0%	4 14.3%	1 6.3%	7 14.3%	16 8.4%
Chief doctor of the department	0 0.0%	0 0.0%	1 5.3%	0 0.0%	0 0.0%	0 0.0%	3 6.1%	4 2.1%
I don't know	0 0.0%	0 0.0%	1 5.3%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	1 0.5%
Total	36 100.0%	22 100.0%	19 100.0%	21 100.0%	28 100.0%	16 100.0%	49 100.0%	191 100.0%
Do you participate in the management and organization work?								
Yes (If yes go to 4-6)	17 89.5%	13 100.0%	15 93.8%	19 95.0%	13 86.7%	11 91.7%	33 84.6%	121 90.3%
No (If yes go to 4-7)	2 10.5%	0 0.0%	1 6.3%	1 5.0%	2 13.3%	1 8.3%	6 15.4%	13 9.7%
Total	19 100.0%	13 100.0%	16 100.0%	20 100.0%	15 100.0%	12 100.0%	39 100.0%	134 100.0%
Can you specify your responsible area?								
Personnel management	1 5.0%	5 27.8%	2 13.3%	7 22.6%	7 36.8%	3 14.3%	15 21.4%	40 20.6%
Administrative work	16 80.0%	12 66.7%	9 60.0%	14 45.2%	6 31.6%	9 42.9%	31 44.3%	97 50.0%
Pharmaceutical management	2 10.0%	1 5.6%	1 6.7%	4 12.9%	0 0.0%	5 23.8%	14 20.0%	27 13.9%
Treatment guidelines development	1 5.0%	0 0.0%	3 20.0%	4 12.9%	5 26.3%	3 14.3%	9 12.9%	25 12.9%
Other	0 0.0%	0 0.0%	0 0.0%	2 6.5%	1 5.3%	1 4.8%	1 1.4%	5 2.6%
Total	20 100.0%	18 100.0%	15 100.0%	31 100.0%	19 100.0%	21 100.0%	70 100.0%	194 100.0%

Select Oblast	Bukhara	Fergana	Karakalpakstan	Navoi	Samar kand	Tashkent	Tashkent city	Total
If now, do you want to participate in the management and organization work?								
Yes	11 100.0%	10 100.0%	12 92.3%	8 80.0%	7 100.0%	4 80.0%	6 60.0%	58 87.9%
No	0 0.0%	0 0.0%	1 7.7%	2 20.0%	0 0.0%	1 20.0%	4 40.0%	8 12.1%
Total	11 100.0%	10 100.0%	13 100.0%	10 100.0%	7 100.0%	5 100.0%	10 100.0%	66 100.0%
If yes, what would you like to be involved in?								
Personnel management	3 14.3%	5 35.7%	2 14.3%	6 26.1%	6 42.9%	2 22.2%	4 15.4%	28 23.1%
Administrative work	14 66.7%	6 42.9%	5 35.7%	8 34.8%	4 28.6%	4 44.4%	9 34.6%	50 41.3%
Pharmaceutical management	2 9.5%	2 14.3%	1 7.1%	3 13.0%	0 0.0%	2 22.2%	3 11.5%	13 10.7%
Treatment guidelines development	2 9.5%	1 7.1%	6 42.9%	5 21.7%	4 28.6%	1 11.1%	8 30.8%	27 22.3%
Other	0 0.0%	0 0.0%	0 0.0%	1 4.3%	0 0.0%	0 0.0%	2 7.7%	3 2.5%
Total	21 100.0%	14 100.0%	14 100.0%	23 100.0%	14 100.0%	9 100.0%	26 100.0%	121 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
<b>Do you know the structure of the management in healthcare system?</b>								
Yes	20 100.0%	55 100.0%	55 94.8%	130 97.7%	15 93.8%	16 94.1%	98 99.0%	129 97.7%
No	0 0.0%	0 0.0%	3 5.2%	3 2.3%	1 6.3%	1 5.9%	1 1.0%	3 2.3%
Total	20 100.0%	55 100.0%	58 100.0%	133 100.0%	16 100.0%	17 100.0%	99 100.0%	132 100.0%
<b>Who develop the rules and orders for you?</b>								
Ministry of Health	16 45.7%	42 44.7%	53 67.9%	111 53.6%	14 42.4%	16 64.0%	81 54.7%	111 53.9%
Oblast Health department	6 17.1%	30 31.9%	10 12.8%	46 22.2%	6 18.2%	2 8.0%	37 25.0%	45 21.8%
Rayon Health department	11 31.4%	8 8.5%	1 1.3%	20 9.7%	4 12.1%	2 8.0%	14 9.5%	20 9.7%
Chief doctor of the facility	2 5.7%	12 12.8%	11 14.1%	25 12.1%	7 21.2%	4 16.0%	14 9.5%	25 12.1%
Chief doctor of the department	0 0.0%	1 1.1%	3 3.8%	4 1.9%	2 6.1%	1 4.0%	1 0.7%	4 1.9%
I don't know	0 0.0%	1 1.1%	0 0.0%	1 0.5%	0 0.0%	0 0.0%	1 0.7%	1 0.5%
Total	35 100.0%	94 100.0%	78 100.0%	207 100.0%	33 100.0%	25 100.0%	148 100.0%	206 100.0%
<b>Do you know your qualification standards and professional requirements and rights?</b>								
Yes	20 95.2%	55 100.0%	59 98.3%	134 98.5%	18 100.0%	17 100.0%	98 98.0%	133 98.5%
No	1 4.8%	0 0.0%	1 1.7%	2 1.5%	0 0.0%	0 0.0%	2 2.0%	2 1.5%
Total	21 100.0%	55 100.0%	60 100.0%	136 100.0%	18 100.0%	17 100.0%	100 100.0%	135 100.0%
<b>If yes, who developed them?</b>								
Ministry of Health	18 60.0%	49 57.0%	55 73.3%	122 63.9%	14 48.3%	14 63.6%	93 66.9%	121 63.7%
Oblast Health department	5 16.7%	24 27.9%	6 8.0%	35 18.3%	6 20.7%	0 0.0%	29 20.9%	35 18.4%
Rayon Health department	6 20.0%	6 7.0%	1 1.3%	13 6.8%	3 10.3%	1 4.5%	9 6.5%	13 6.8%
Chief doctor of the facility	1 3.3%	6 7.0%	9 12.0%	16 8.4%	5 17.2%	4 18.2%	7 5.0%	16 8.4%
Chief doctor of the department	0 0.0%	0 0.0%	4 5.3%	4 2.1%	1 3.4%	3 13.6%	0 0.0%	4 2.1%
I don't know	0 0.0%	1 1.2%	0 0.0%	1 0.5%	0 0.0%	0 0.0%	1 0.7%	1 0.5%
Total	30 100.0%	86 100.0%	75 100.0%	191 100.0%	29 100.0%	22 100.0%	139 100.0%	190 100.0%
<b>Do you participate in the management and organization work?</b>								
Yes (If yes go to 4-6)	16 80.0%	53 96.4%	52 88.1%	121 90.3%	17 94.4%	12 70.6%	91 92.9%	120 90.2%
No (If yes go to 4-7)	4 20.0%	2 3.6%	7 11.9%	13 9.7%	1 5.6%	5 29.4%	7 7.1%	13 9.8%
Total	20 100.0%	55 100.0%	59 100.0%	134 100.0%	18 100.0%	17 100.0%	98 100.0%	133 100.0%
<b>Can you specify your responsible area?</b>								
Personnel management	3 14.3%	15 19.2%	22 23.2%	40 20.6%	9 30.0%	3 18.8%	28 19.0%	40 20.7%
Administrative work	12 57.1%	43 55.1%	42 44.2%	97 50.0%	11 36.7%	9 56.3%	76 51.7%	96 49.7%
Pharmaceutical management	4 19.0%	7 9.0%	16 16.8%	27 13.9%	5 16.7%	0 0.0%	22 15.0%	27 14.0%
Treatment guidelines development	2 9.5%	9 11.5%	14 14.7%	25 12.9%	4 13.3%	3 18.8%	18 12.2%	25 13.0%
Other	0 0.0%	4 5.1%	1 1.1%	5 2.6%	1 3.3%	1 6.3%	3 2.0%	5 2.6%
Total	21 100.0%	78 100.0%	95 100.0%	194 100.0%	30 100.0%	16 100.0%	147 100.0%	193 100.0%

Select Facility level and Position	SVP	Rayon	Oblast	Total	Nurse	Paramedics	Physician	Total
If now, do you want to participate in the management and organization work?								
Yes	12 92.3%	30 93.8%	16 76.2%	58 87.9%	7 87.5%	8 72.7%	43 91.5%	58 87.9%
No	1 7.7%	2 6.3%	5 23.8%	8 12.1%	1 12.5%	3 27.3%	4 8.5%	8 12.1%
Total	13 100.0%	32 100.0%	21 100.0%	66 100.0%	8 100.0%	11 100.0%	47 100.0%	66 100.0%
If yes, what would you like to be involved in?								
Personnel management	3 20.0%	17 28.8%	8 17.0%	28 23.1%	4 40.0%	1 11.1%	23 22.8%	28 23.3%
Administrative work	10 66.7%	24 40.7%	16 34.0%	50 41.3%	3 30.0%	6 66.7%	40 39.6%	49 40.8%
Pharmaceutical management	1 6.7%	6 10.2%	6 12.8%	13 10.7%	1 10.0%	0 0.0%	12 11.9%	13 10.8%
Treatment guidelines development	1 6.7%	11 18.6%	15 31.9%	27 22.3%	2 20.0%	2 22.2%	23 22.8%	27 22.5%
Other	0 0.0%	1 1.7%	2 4.3%	3 2.5%	0 0.0%	0 0.0%	3 3.0%	3 2.5%
Total	15 100.0%	59 100.0%	47 100.0%	121 100.0%	10 100.0%	9 100.0%	101 100.0%	120 100.0%

## A-2 Medical Facility Survey



## Medical Facilities Survey

Module A. Administration Section  
A1. Outline of the Hospital

Select Oblast and Facility level			Tashkent	Tashkent city	Bukhara	Navoi	Karakalpakstan	Samarkand	Fergana	Total	Rayon	Oblast	
How many years passed since the facility has built?	Years	Min	100	15	11	31	10	11	24	10	10	11	
		Max	43	87	72	8	66	90	40	90	90	87	
		Avr	41.3	35.3	34.8	33	25.3	41.7	24.2	34	33.6	35.6	
How many years passed the facility has worked as hospital?	Years	Min	100	20	11	22	10	11	12	10	10	11	
		Max	43	4	72	8	66	90	31	90	90	72	
		Avr	38.7	25.9	30.1	30.7	24.3	43.1	25.3	31.6	32.8	27.1	
How many beds hospital has?	Average	Total	312.1	276.9	217	257.3	355.2	422.7	373.6	326.8	352.6	244.7	
		Pay bed	20	34.3	25	10	20	508	8	44.9	48.5	34.5	
		Free bed	326.7	202.1	201	254	297.3	369.9	337.2	288.5	313.1	199.5	
Hospital opening hour	From	7:00	0	1	0	0	0	0	0	1	1	0	
		8:00	2	0	6	5	2	9	3	27	23	4	
		9:00	0	0	1	0	11	1	0	13	12	1	
	To	14:00	1	0	0	1	0	4	0	6	5	1	
		16:00	0	0	2	2	7	2	1	14	12	2	
		18:00	0	1	2	1	6	1	2	13	12	1	
		20:00	2	0	3	1	0	3	0	9	8	1	
24Hr		4	8	2	1	1	4	3	23	14	9		
Dose emergency unit open 24 hours?		Yes	7	9	9	6	14	12	7	64	50	14	
		No	0	1	1	0	0	1	0	3	1	2	
Covering area(Dimension of Rayon is acceptable)	Km2		N/A									N/A	
How much population hospital has in covering area?	Average	Total	118174.4	66403.5	405645.2	121280.2	185377.1	427464.4	279084.0	271160.1	167259.3	780274.2	
		Male	59030.0		166883.6	58865.3	35654.0	211570.1	121835.8	115888.3	68554.9	388055.4	
		Female	59144.7	32308.0	139010.6	61581.5	50287.0	215751.9	157258.2	119012.8	74671.7	345645.0	
How many times ambulances in the hospital are sent out?		day	N/A									N/A	
		month	N/A									N/A	

## A2. Referral System

Select Oblast and Facility level		Tashkent	Tashkent city	Bukhara	Navoi	Karakalpakstan	Samarkand	Fergana	Total	Rayon	Oblast	
Is there any rule/regulation for transfer?	Yes	6	5	10	6	10	11	3	51	38	13	
	No	1	4	0	0	3	2	0	10	8	2	
Does medical-information transmit with a conveyed patient?	Yes	5	6	10	5	10	11	3	50	36	14	
	No	2	2	0	1	4	2	0	11	10	1	
If yes, how is the patient's medical-information transmitted to the connected referral facility?	1. Brought by patient	4	4	4	4	6	10	3	35	28	7	
	2. Telephone	2	2	8	1	7	4	1	25	20	5	
	3. Facsimile	0	1	0	0	0	0	0	1	1	0	
	4. Others	1	2	3	0	2	3	0	11	8	3	
Is the share of expenditure/medical cost decided	Yes	2	1	1	0	1	4	1	10	7	3	
	No	5	6	8	6	13	8	2	48	37	11	
Does this hospital send community health workers/ general	Yes	6	2	8	5	11	10	3	45	35	10	
	No	1	5	0	1	3	4	0	14	11	3	
If yes, what kind and how many?	Average	1. Health workers 2. General practitioners 3. Health volunteers How many persons									N/A	
											N/A	
Please fill in numbers of referred patient in 2002.	Times/year (Avr)	This hospital → Other rayon hospital	14.3	81.3		6.0	2943.0	190.3		324.0	396.2	107.3
		This hospital → Oblast hospital	70.6		51.1	36.4	348.1	77.5	15.0	130.3	147.2	9.2
		This hospital → Oblast emergency hospital	192.0		22.4	12.7	8.9	48.0		33.3	34.6	26.4
		This hospital → Tashkent emergency hospital	31.3	2.0	3.7	1479.0		13.5		227.6	265.1	2.5
		SVP → This hospital	868.7	3900.0	2649.6	1130.5	678.2	1971.7	2082.3	1620.3	1543.3	2107.8
		Ambulance center → This hospital	570.0		489.3	275.0	851.6	557.0	164.0	601.4	868.2	121.0
		Other rayon hospital → This hospital	226.7		424.0	36.0	649.3	1709.8	467.0	786.8	478.5	1227.3

### A3. Human personnel

#### 3-1.Number of Personnel of Administration and General please put numbers in each department

Select Oblast and Facility level		Tashkent	Tashkent city	Bukhara	Navoi	Karakalpakstan	Samarkand	Fergana	Total	Rayon	Oblast
Director/Vice director	Avr	3.4	2.0	3.1	3.2	2.9	3.4	2.7	3.0	3.1	2.6
Clark	Avr	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1
Account	Avr	4.1	11.2	9.2	5.5	16.6	10.1	2.7	10.0	10.1	9.7
Secretary	Avr	1.0	1.2	1.0	1.0	1.3	1.1	1.0	1.1	1.2	1.0
Cleaning	Avr	1.3	11.4	1.0	1.7	45.5	21.4	1.3	16.2	19.1	6.5
Driver	Avr	1.0	17.7	1.3	1.5	75.5	3.9	2.0	19.9	22.1	11.8
Other	Avr	7.0	48.5	4.2	3.0	173.0	463.6	29.0	161.5	196.2	40.3

3-2.Number of Personnel of medical staff please put numbers in each department

Total

		Internal medicine	Surgery	Pediatrics	Obstetrics	Urology	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater	ICU	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others
		/Traumatology	/Gynecology	/Genital system								/Reanimation							
Doctor	Avr	9.7	6.5	14.1	11.5	1	0.6	1	1.2	1.4	6.4	1.2	7.9	3.9	5	0.3	1.1	0.9	22
Nurse	Avr	21.3	16.2	24	25.8	2.8	3.3	2	1.6	2.2	4.1	5.8	21.8	7.1	2.5	0.3	7.4	2.5	53.6
Midwife	Avr	1.9	0	0.1	27.5	0	0	0	0	0	0	0	0	0	0.2	0	0	0	3.7
Laboratory technician	Avr	1.3	0	0.1	0.3	0	0	0.1	0	0	0.1	0	0.5	0.2	14	0.1	0	0.3	1.9
X-ray technician	Avr	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0.2	0.3	0.1	0	0	0.9
Pharmacist	Avr	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	1.8	0.2
Assistant in pharmacy	Avr	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	0.1
Social worker	Avr	0.1	0	0.1	0.6	0	0	0	0	0	0	0	0.2	0	0	0	0	0.1	0.1
Medical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
Mechanical electrical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
Nutritionist	Avr	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Others	Avr	2.4	2.9	3.4	3.7	0.2	0.2	0.8	0.4	0.3	0.4	0.7	2.1	1.1	0.6	0	0.7	0.7	42.9

Tashkent

		Internal medicine	Surgery	Pediatrics	Obstetrics	Urology	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater	ICU	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others
		/Traumatology	/Gynecology	/Genital system								/Reanimation							
Doctor	Avr	20.7	8	23.6	14.1	1.1	1	1.7	2.7	2.9	15.7	2.4	5.9	1	4.1	0.1	1.4	1.7	17.3
Nurse	Avr	50	21.3	46	15.9	2.3	0.4	2.4	3.6	4	7.6	5.6	8.9	4.1	1.9	0.3	4.3	0.9	56.6
Midwife	Avr	11	0	0	44.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory technician	Avr	8.6	0	0.9	0.6	0	0	0.6	0	0	0.6	0	0.6	0	25.6	0	0	0	4.1
X-ray technician	Avr	0	0.6	0	0	0	0	0	0	0	0	0	0	0.6	0	0	0	0	1.4
Pharmacist	Avr	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	0
Assistant in pharmacy	Avr	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	0
Social worker	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0
Medical engineer	Avr	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1
Mechanical electrical engineer	Avr	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
Nutritionist	Avr	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
Others	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9

Tashkent city

		Internal medicine	Surgery	Pediatrics	Obstetrics	Urology	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater	ICU	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others
		/Traumatology	/Gynecology	/Genital system								/Reanimation							
Doctor	Avr	11.1	12	21.9	8.9	2.7	1.4	0.2	1	1.7	5.7	1.3	20.1	8.9	11.5	1.3	1.2	1.6	20.1
Nurse	Avr	23.4	17.3	38.4	49.7	4.9	1.2	0	0.7	0.8	2.4	15.7	35.3	5.6	2.5	1.5	8.3	0	36.1
Midwife	Avr	5.1	0	0	18.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory technician	Avr	2.5	0	0	0	0	0	0	0	0	0	0	0	0	15.3	0	0	0	0.4
X-ray technician	Avr	0.9	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0.2	0	0	1.9
Pharmacist	Avr	0.4	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	3	0
Assistant in pharmacy	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.3	0
Social worker	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0
Medical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6
Mechanical electrical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
Nutritionist	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
Others	Avr	1.9	1.6	0	0.6	0	0	0	0.7	0.3	0.7	0.4	1.1	0	0.4	0.3	0.9	0.7	115.9

Bukhara

		Internal medicine	Surgery	Pediatrics	Obstetrics	Urology	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater	ICU	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others
		/Traumatology	/Gynecology	/Genital system								/Reanimation							
Doctor	Avr	6.6	2.5	4.7	9.5	0.2	0	0.7	0.3	0.3	5.4	0.8	6.5	1.9	2.3	0.1	0.8	0.2	17.2
Nurse	Avr	16.8	7.2	9.7	15.7	0.2	1.9	0.2	0.3	4.9	3.3	14.3	7.2	0.4	0.1	7.2	0.9	15.9	
Midwife	Avr	0	0	0	30.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory technician	Avr	0	0	0	0.5	0	0	0	0	0	0	0	0	0	10.8	0	0	0	0
X-ray technician	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.5	0	0	0	1.2
Pharmacist	Avr	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	1.7	0.1
Assistant in pharmacy	Avr	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	1.7	0
Social worker	Avr	0.6	0	0.7	4.2	0	0	0	0	0	0.2	0.1	1.2	0	0.2	0	0.1	0.2	0.7
Medical engineer	Avr	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mechanical electrical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
Nutritionist	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Others	Avr	0.6	0.7	0.7	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0.8	21.5

Navoi

		Internal medicine Surgery /Traumatology	Pediatrics Obstetrics /Gynecology	Urology /Genital system	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater ICU /Reanimation	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others				
Doctor	Avr	1.2	3.2	1	6.3	0.5	0.5	0	0.2	0.5	0.3	3.7	0	1.3	0	0.2	0.5	6.7		
Nurse	Avr	5.8	8.8	5.3	11.2	1.5	2	0	0	0	1.5	0.2	5.8	13	0	1	0	1.8	0.2	29.7
Midwife	Avr	0	0	0	11.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory technician	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
X-ray technician	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharmacist	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Assistant in pharmacy	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Social worker	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Medical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
Mechanical electrical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutritionist	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	Avr	2.3	3.7	0	0.8	1.2	0	0	0	0	0.2	1.5	3.2	0	0.7	0	0.7	0.5	34.7	

Karakalpakstan

		Internal medicine Surgery /Traumatology	Pediatrics Obstetrics /Gynecology	Urology /Genital system	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater ICU /Reanimation	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others			
Doctor	Avr	4.9	4.1	8.8	9.4	0.7	0.1	1.4	1.1	0.8	2.7	0.3	5	4	2.1	0	0.9	0.9	15.3
Nurse	Avr	8.4	11.1	13.3	19.4	2.3	0.2	3.7	2.1	1.3	2.9	3.3	15.9	10.6	1.1	0	8	8.1	41.7
Midwife	Avr	0	0	0	23.9	0	0	0	0	0	0	0	0	0	0	0	0	1.4	3.2
Laboratory technician	Avr	0	0	0	0.2	0	0	0.2	0	0	0	0	0.7	0.6	7.1	0	0	1.3	1.9
X-ray technician	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
Pharmacist	Avr	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	1.8	0
Assistant in pharmacy	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	0
Social worker	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Medical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1
Mechanical electrical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
Nutritionist	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Others	Avr	4.4	4.4	9.6	5.7	0.3	0	3	1.1	0.2	0.7	1.7	3.7	3.8	0.8	0	1	1.3	38.8

Samarkand

		Internal medicine Surgery /Traumatology	Pediatrics Obstetrics /Gynecology	Urology /Genital system	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater ICU /Reanimation	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others			
Doctor	Avr	16.4	9.9	24.5	20	0.9	1	1.4	1.9	2.5	10.5	2.1	8	5.8	8.6	0.4	1.9	0.8	47.8
Nurse	Avr	31.6	25.9	29	29.3	4.9	12.7	2.3	2.9	4.9	6.5	4.2	26.9	9.6	3.7	0	10.4	0.8	127.2
Midwife	Avr	0	0	0	31.6	0.1	0	0	0	0	0	0	0	0	0	0	0	0	13.9
Laboratory technician	Avr	0	0	0	0.4	0	0	0	0	0	0	0	1.4	0.4	23.4	0.4	0	0	4.4
X-ray technician	Avr	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0.2	0	0	0.1	1.1
Pharmacist	Avr	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	1.6	0.3
Assistant in pharmacy	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.3	0.6
Social worker	Avr	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1
Medical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
Mechanical electrical engineer	Avr	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Nutritionist	Avr	0.1	0	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Others	Avr	3.2	5.1	3.4	9.6	0	1.1	0	0	0.7	0.6	0.4	3.1	0.6	1.3	0	1.1	0.4	45.2

Fergana

		Internal medicine Surgery /Traumatology	Pediatrics Obstetrics /Gynecology	Urology /Genital system	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater ICU /Reanimation	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others			
Doctor	Avr	4	5.7	8	4.7	0.7	1.3	0.3	0.3	1.7	4	2	5.7	0	2.7	0	1	1	5.3
Nurse	Avr	22	32	49.2	54	0.7	4	0.3	0.3	3	3.7	4.3	61.7	0	18	0	6	0	7.7
Midwife	Avr	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
Laboratory technician	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	12.3	0	0	0	0
X-ray technician	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pharmacist	Avr	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Assistant in pharmacy	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7	0
Social worker	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Medical engineer	Avr	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mechanical electrical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutritionist	Avr	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
Others	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Rayon

		Internal medicine Surgery /Traumatology	Pediatrics Obstetrics /Gynecology	Urology /Genital system	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater ICU /Reanimation	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others			
Doctor	Avr	10	5.4	13.9	10.6	0.6	0.5	1.3	1.3	1.4	7.7	1.3	6.1	3.4	4.2	0.2	1.2	0.8	23.4
Nurse	Avr	21.9	16.1	22.9	21	2.3	3.8	2.6	2	2.3	5.3	3.9	20.1	8.2	2.5	0	7.6	3.2	56.7
Midwife	Avr	1.5	0	0.1	29.8	0	0	0	0	0	0	0	0	0.3	0	0	0	0.5	4.8
Laboratory technician	Avr	1.2	0	0.1	0.2	0	0	0.2	0	0	0.1	0	0.7	0.3	14.8	0.1	0	0.4	2.4
X-ray technician	Avr	0	0.1	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0.8
Pharmacist	Avr	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7	0.1
Assistant in pharmacy	Avr	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7	0.2
Social worker	Avr	0.1	0	0.2	0.8	0	0	0	0	0	0	0.2	0	0	0	0	0	0.1	0.2
Medical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
Mechanical electrical engineer	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3
Nutritionist	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Others	Avr	2.7	3	4.4	4.7	0.1	0.3	1	0.4	0.3	0.6	0.7	2.3	1.5	0.7	0	0.8	0.8	32.3

Oblast

		Internal medicine Surgery /Traumatology	Pediatrics Obstetrics /Gynecology	Urology /Genital system	Orthopedics	Dermatology	Ophthalmology	Otolaryngology	Stomatology	Operation theater ICU /Reanimation	Emergency room	Laboratory	Radiology	Physiotherapy	Pharmacy	Others			
Doctor	Avr	8.7	9.9	14.9	14.6	2.1	1.1	0.1	0.8	1.7	1.9	0.9	13.7	5.6	7.6	0.6	1.1	1.2	17.4
Nurse	Avr	19.3	16.7	27.4	41.4	4.4	1.5	0.1	0.6	1.8	0.4	12.1	27.4	3.5	2.6	1	6.8	0.1	43.6
Midwife	Avr	3.2	0	0	20.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laboratory technician	Avr	1.6	0	0	0.6	0	0	0	0	0	0	0	0	11.6	0	0	0	0	0.3
X-ray technician	Avr	0.5	0	0	0.1	0	0	0	0	0	0	0.3	1	0.1	0	0	0	0	1.6
Pharmacist	Avr	0.3	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	2.1	0.4
Assistant in pharmacy	Avr	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	1.1	0
Social worker	Avr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0
Medical engineer	Avr	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	1.7
Mechanical electrical engineer	Avr	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Nutritionist	Avr	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4
Others	Avr	1.5	2.4	0	0.7	0.4	0	0	0.4	0.2	0	0.8	1.4	0	0.4	0.2	0.4	0.4	77.6

#### A4. Finance

##### 4-1.General Revenue(actual) <Average>

###### Total

	2000	2001	2002
MOH subsidization	175,569.80	254,805.20	369,554.10
Provincial government	207,442.40	325,122.50	536,129.10
Donation			
Payment from patient	21,345.70	77,405.70	48,836.70
Other	28,898.70	57,177.60	498,556.30
Total	185,982.60	279,171.50	442,474.70

###### Tashkent

	2000	2001	2002
MOH subsidization	274,834.50	439,407.50	598,310.30
Provincial government	237,172.00	365,280.30	548,736.50
Donation			
Payment from patient	3,300.00	2,700.00	9,404.00
Other	4,708.30	7,833.70	11,790.30
Total	252,663.80	394,356.20	572,056.90

###### Tashkent city

	2000	2001	2002
MOH subsidization	184,863.40	263,191.50	345,390.90
Provincial government	53,424.10	77,751.40	144,373.30
Donation			
Payment from patient	47,485.50	82,397.30	47,053.40
Other	50,990.00	97,154.00	177,379.00
Total	175,123.60	274,347.50	420,657.40

###### Bukhara

	2000	2001	2002
MOH subsidization	124,094.60	175,718.00	290,235.40
Provincial government	227,293.30	322,097.00	548,177.30
Donation			
Payment from patient	10,124.80	280,156.50	68,877.20
Other	3,167.00	2,982.00	
Total	157,733.60	181,972.90	364,159.60

###### Navoi

	2000	2001	2002
MOH subsidization	163,673.80	213,398.00	350,511.00
Provincial government	103,955.80	319,798.40	220,967.10
Donation			
Payment from patient	509.30	830.90	898.20
Other	62,986.40	108,994.30	1,252,298.70
Total	118,399.20	218,169.10	313,897.70

###### Karakalpakstan

	2000	2001	2002
MOH subsidization	159,215.10	221,341.80	296,321.30
Provincial government	229,135.60	350,886.10	580,939.80
Donation			
Payment from patient	12,299.70	29,885.80	24,568.00
Other	10,449.40	14,022.40	190,435.00
Total	218,576.90	325,540.10	518,098.00

##### 4-2.General Expenditure(actual) <Average>

	2000	2001	2002
Salary	102,298.00	166,635.00	219,395.10
Pharmaceutical	19,789.30	38,160.70	42,401.50
Social security	16,535.00	24,001.50	36,680.10
Utility	12,450.70	16,347.20	26,946.00
Food	16,862.40	33,338.20	37,443.90
Major and minor maintenance	15,483.90	19,507.10	30,725.90
Equipment and furniture	10,357.10	23,782.60	38,245.10
Medical consumables	10,220.90	17,669.40	20,564.20
Others	48,057.30	73,587.90	98,866.10
Total	200,259.10	348,683.30	448,375.00

	2000	2001	2002
Salary	147,715.30	218,480.40	336,946.30
Pharmaceutical	17,053.20	24,655.20	28,142.80
Social security	27,608.00	42,262.00	64,367.50
Utility	12,385.80	17,505.30	24,623.90
Food	18,701.50	29,313.40	41,882.70
Major and minor maintenance	7,546.00	16,123.30	21,755.30
Equipment and furniture	2,059.10	1,694.70	946.40
Medical consumables	32,985.30	48,915.00	67,538.70
Others	41,536.70	59,863.10	79,156.20
Total	261,690.00	395,598.50	576,196.90

	2000	2001	2002
Salary	80,162.60	355,841.20	167,886.50
Pharmaceutical	41,546.00	72,327.30	95,886.80
Social security	19,981.20	32,586.40	56,124.80
Utility	19,439.90	20,200.60	25,968.30
Food	16,538.60	78,302.80	45,615.80
Major and minor maintenance	14,937.60	28,834.40	40,047.60
Equipment and furniture	25,791.20	18,685.60	16,729.60
Medical consumables			
Others	42,644.70	69,979.40	76,928.40
Total	181,076.30	283,158.60	385,080.20

	2000	2001	2002
Salary	68,412.20	94,798.80	157,304.00
Pharmaceutical	12,038.30	16,014.20	25,374.60
Social security	29,155.10	40,287.90	67,046.90
Utility	22,675.00	29,787.70	57,356.50
Food	8,714.50	22,391.30	16,747.10
Major and minor maintenance	5,440.90	7,747.90	13,221.00
Equipment and furniture	3,067.40	6,023.30	4,516.10
Medical consumables	10,948.00	18,976.00	35,488.00
Others	17,462.10	28,286.30	45,499.30
Total	147,863.00	205,231.90	335,657.50

	2000	2001	2002
Salary	60,494.20	95,174.30	135,504.70
Pharmaceutical	15,908.70	28,108.10	15,662.60
Social security	5,235.80	6,422.40	6,945.10
Utility	7,038.40	9,153.00	19,186.80
Food	10,695.50	20,199.80	24,204.80
Major and minor maintenance	10,108.50	51,409.80	74,543.90
Equipment and furniture	3,362.70	4,631.40	5,321.70
Medical consumables	7,782.10	14,370.50	13,654.90
Others	45,155.50	68,023.60	65,318.70
Total	130,739.10	216,809.40	318,172.90

	2000	2001	2002
Salary	79,295.50	124,126.50	207,563.80
Pharmaceutical	15,866.00	24,877.20	49,206.80
Social security	19,571.90	28,961.20	43,246.20
Utility	11,226.20	15,780.80	21,155.50
Food	18,395.20	22,949.70	32,625.80
Major and minor maintenance	4,346.70	2,149.30	6,920.50
Equipment and furniture	2,292.60	5,169.50	3,802.00
Medical consumables	5,263.00	15,670.70	11,912.40
Others	44,184.40	62,923.30	86,479.60
Total	193,477.50	596,244.00	441,255.20



Samarkand

	2000	2001	2002
MOH subsidization	191,868.70	299,415.60	405,598.00
Provincial government	174,329.90	271,928.50	651,195.80
Donation			
Payment from patient	41,243.40	118,488.50	141,684.60
Other	7,555.50	31,088.50	735,752.80
Total	165,837.80	267,836.00	398,991.50

	2000	2001	2002
Salary	98,213.30	150,381.10	229,031.90
Pharmaceutical	18,796.50	28,190.00	34,512.60
Social security	8,936.60	12,765.70	19,082.80
Utility	7,475.80	10,601.80	15,422.40
Food	14,724.80	25,546.10	37,208.90
Major and minor maintenance	3,639.20	5,815.60	12,369.60
Equipment and furniture	2,565.00	3,650.80	3,768.60
Medical consumables	7,696.30	13,159.30	16,733.40
Others	78,513.70	110,794.80	178,291.60
Total	194,496.70	295,602.50	463,052.80

Fergana

	2000	2001	2002
MOH subsidization	223,286.80	330,545.90	630,455.30
Provincial government	302,543.60	408,038.50	558,504.50
Donation			
Payment from patient	3,027.80	4,277.40	7,498.10
Other	2,675.50	20,768.50	50,825.70
Total	216,435.00	329,375.80	474,040.70

	2000	2001	2002
Salary	201,890.70	215,349.80	322,971.70
Pharmaceutical	23,589.60	97,156.60	57,067.60
Social security	2,446.30	3,497.00	5,448.80
Utility	9,953.60	13,883.10	30,566.90
Food	29,622.50	47,056.00	67,721.50
Major and minor maintenance	79,798.90	39,012.50	70,763.20
Equipment and furniture	37,945.90	128,398.50	226,221.40
Medical consumables	12,786.00	16,022.30	23,327.90
Others	45,142.40	87,505.30	113,688.60
Total	324,938.70	432,654.80	614,114.30

Rayon

	2000	2001	2002
MOH subsidization	175,082.70	250,534.10	374,688.60
Provincial government	214,809.20	337,144.10	479,057.50
Donation			
Payment from patient	23,796.40	59,256.90	49,041.80
Other	37,065.40	69,935.00	490,160.40
Total	189,504.70	274,390.10	434,560.00

	2000	2001	2002
Salary	105,330.20	143,005.10	221,678.40
Pharmaceutical	17,862.90	36,971.60	40,939.00
Social security	17,537.10	25,261.80	40,480.20
Utility	10,138.50	12,375.90	20,316.60
Food	17,713.80	35,572.40	38,148.00
Major and minor maintenance	15,947.60	20,108.00	29,898.20
Equipment and furniture	12,362.70	28,559.00	48,669.30
Medical consumables	11,375.40	19,393.20	22,566.90
Others	46,337.20	69,573.00	91,799.20
Total	208,089.80	370,601.80	451,933.70

Oblast

	2000	2001	2002
MOH subsidization	177,213.90	269,219.90	352,225.30
Provincial government	183,254.10	284,549.50	728,745.90
Donation			
Payment from patient	14,973.80	128,222.30	48,324.00
Other	7,120.90	23,157.60	519,546.20
Total	175,687.10	294,312.60	468,377.30

	2000	2001	2002
Salary	93,201.30	237,524.80	211,983.00
Pharmaceutical	25,697.00	41,807.20	46,886.40
Social security	13,619.80	20,335.10	26,863.10
Utility	19,644.30	28,702.30	46,485.40
Food	14,042.20	25,937.50	35,370.90
Major and minor maintenance	13,981.60	17,504.10	33,554.10
Equipment and furniture	3,170.30	6,713.30	5,368.80
Medical consumables	6,468.60	11,851.60	14,556.20
Others	54,364.30	87,794.40	122,590.90
Total	176,306.50	281,679.30	437,031.60