

The importance of the rational organization the Internet portals.

Despite the fact that our society has developed whole spectrum of quite successful legislative fields their implementation in the real life often seems impossible. Missing part is low living standards for many people such as lack of living space, jobs, insurance and education. It is clear that simply feeding poor and providing for them means making them lazy and dependant, unable to think and struggle, which is unacceptable. Therefore instead of making space for corruption of administration it is imperative to make people help themselves.

It is necessary to build an effective infrastructure for increasing productivity in management, science, cultural and other areas of human activity.

The key feature of infrastructure is local and aerial way it is chained. Every human inhabited area must have all kinds of infrastructure: transportation, communications, power, education, health care etc. necessary to support decent living conditions.

Internet is one such domain of social bonds and ties. Internet portals take special place in the virtual space, being information and communication hubs, offering wide range of services to its visitors. There are two kinds of internet portals: general and specific. They serve to different purposes and use different kinds of software.

IT permeates every corner in today's world and health care is not an exception. The efficiency of health care professional's work largely depends on access to relevant information and their ability to use it in everyday work. Searching for rational solutions takes lots of data to gather process and analyze, without this sound theoretical and practical medical - prophylaxis activities are not possible. There are ten thousand biomedical journals out there, publishing millions of articles each year. This sea of information requires huge work to sort and analyze it.

Internet portals allow finding relevant information in a convenient way. The heart of internet portal is a combination of a search engine and a database. Let's look at the creation of data bank which aggregates all the objects into one set allowing classification and search for different object sets it contains:

- people
- administrative-local units
- buildings
- services
- legal acts, laws
- various info
- goods, techs

At this point it becomes urgent to connect many of the institutions and local-administrative units to the internet with a high-speed infrastructure such as fiber-optic. Only major backbone connections are set-up between regions of Armenia. Still lot of work needs to be done in this direction.

Creation of effective system includes intercommunication and collaboration between state and private sectors with international partners in order to build necessary infrastructure and to strengthen IT aiming at health care, providing medical services and education, information exchange between health care professionals, data mining, quality control and finding better preventive measures.

European-wide IT network of population health system care started to emerge, providing medical services online to people, an access to hospitals' data resources, electronic reports on patients' health status, videoconferencing etc.

Only few labs in Armenia use computers to track down medical records (Electronic Medical Record, EMR), however they are meant to be used as stand-alone. The time has come for Armenian hospitals to computerize and interconnect to EMR resource networks. Other challenge is to bring those

resources to customer's desktops and keep sensitive information safe (client's data and hospital's data). Developing countries have an advantage to watch closely at other countries' experience and select those that were most successful as a model to follow.

Improving health care by means of electronic health may lead to large improvements in living conditions of ordinary people as they get better access medical aid hence become more socially protected. This may further lead to positive social changes and democratic traditions.

There are lots of problems preventing usage of IT in medicine. Many hospitals and institutions are equipped with outdated computers that cannot run modern software. Some has no computers at all. Teaching doctors to use computers is a serious problem, too. Doctors must have basic computer skills. It is urgent necessity to equip labs with computers for medical students of all departments.

Providing the regional skilled work-force with up-to-date information, trainings and opportunities for social life, will ease flow of skilled specialists towards regions, which stands in accordance with horizontal hierarchy principle, whereas vertical hierarchy is destructive for a state because the top of hierarchy has only limited powers.

E-government is not merely an idea – many states run it and its usage will spread further. Given enough time and resources it may revolutionize the way citizens interact with state. Government agencies can post online protocols of deputies voting and receive from voters via internet feedback about the document on discussion. Internet can help communication process between voters and deputies.

www.doctor.am project has to take part in all of those projects. Building of a thought and elaborate internet portal takes cooperation between private and state sectors. In this way better results will be accomplished in shorter time.

Together with local and foreign medical NGO-s local government has to run projects and formalize them in legal agreements. www.doctor.am portal already has few agreements about following projects:

- calendar of events, seminars, conferences, lectures and exhibitions where all medical institutions of Armenia will be engaged
- publishing of specialized medical newspapers and journals
- genetic registry of Armenia
- catalogue of medical corporate and personal homepages
- medical forum, where patients have opportunity to consult with doctors
- online interaction with lawyer specializing on medical issues
- participation in distance-learning program for medical students
- automatic systems in hospitals
- IT training for doctors

Many IT professionals wish to cooperate with www.doctor.am in order to build Medical Network of Armenia. This idea inspires doctors and many of their patients. This project suffers from lack of financial support. There are many legal acts and agreements, many NGO-s and many projects from which only a minor part goes real. There are also few professionals, who push through obstacles and achieve great results. Therefore those two realms must interact so that right people meet right projects and they both meet necessary financial and material support. That is the only way to overcome negative social trends and pull health care system out of a depression.