

IIHMR New Delhi, works with a mission of improving standards of health through better management of healthcare and related programmes, prepare students for managerial positions with a focus on national and international healthcare management.

#### IN THIS ISSUE:

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- ✓ Global news
- ✓ Recent researches
- ✓ Upcoming conferences
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- ✓ Review Page - Review on the "Implementation Techniques of HMIS in Brown field Hospital, Lecture by Dr. Supten Sarbadhikari, Chairperson - HL7 India"

#### UPCOMING CONFERENCES

- 1) International Medical Tourism Forum Conference  
Date: 12th - 13th May 2012 and 15th - 17th June 2012  
Venue: Istanbul, Turkey  
Organized By : Bosphorus Event Management Company  
Website:  
<http://www.bosphoruscounters.com/futuremedical.html>
- 2) Conference on "Working Together to Eradicate Poverty and Mitigate Climate Change in India"...  
Date: 16th June 2012  
Venue: Toronto, Canada  
Organized By : India Development Coalition of America (IDCA)  
Website:  
[http://idc-america.org/wp-content/uploads/2011/10/First\\_Int\\_Canada\\_Conf\\_Invitation.pdf](http://idc-america.org/wp-content/uploads/2011/10/First_Int_Canada_Conf_Invitation.pdf)
- 3) The 13th Biennial Conference of The International Society for the Study of Work & Organizational Values.  
Date: 24th - 27th June 2012  
Venue: Donapaula, Goa, India  
Website:  
<http://www.isswov.org/uploads/1/9/2/9/1929011/2012.pdf>

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# SYNAPSE..... Monthly health e-newsletter

## HOSPITAL AND HEALTH INSIGHT OF THE MONTH

### HEALTHCARE IT WITNESSED 184 MILLION DOLLAR VENTURE CAPITAL FUNDING IN THE JANUARY-MARCH QUARTER 2012

According to the report by Mercom Capital Group, a global clean energy communications and consulting firm, VC funding for the January-March quarter of 2012 stood at USD 184 million compared to USD 35 million in the previous year. A significant momentum in terms of private venture capital flowing into healthcare IT and robust mergers and acquisitions has been witnessed. The reason for the geared up demand of IT in the healthcare is thought to be to reduce healthcare costs, enhance clinical and administrative workflow of hospitals, and huge demand for faster, error-free efficient healthcare delivery. It is also estimated that the sector will grow at an annual rate of 10.2 percent per annum.

### HEALTH MINISTRY DELARES TUBERCULOSIS AS NOTIFIABLE DISEASE

As the cases of Tuberculosis (TB) are showing an increase every year, a notification has been issued by the Union Ministry of Health declaring TB as a notifiable disease. It is essential to have complete information of all TB cases in order to have proper TB diagnosis and case management, reduce TB transmission, and address the problems of emergence and spread of drug resistant-TB. With this notification, healthcare providers will help patients get better access to quality diagnosis and treatment. This will also facilitate early diagnosis, rational treatment, prevention of complications and reduce deaths due to TB.

### LAUNCH OF SCHOOL BASED SCREENING PROGRAM FOR DIABETES

The Ministry of Health has started a school based screening program for Diabetes in Nainital (Uttarakhand), Theni (Tamil Nadu), Nellore (Andhra Pradesh), Dibrugarh (Assam), Bhilwara (Rajasthan) and Ratlam (Madhya Pradesh). The screening programme is in progress in these six districts. To carry out this programme, funds for each district have been allotted and released to the districts. The screening is primarily focused on school children of 1st to 10th standards in the age group of 5 to 15 years. The School Health Programme (SHP) is under the National Rural Health Mission (NRHM). The main focus is to address the health needs of children, both physical and mental. In addition, it provides for nutrition interventions, physical activities and counselling.

## EVENTS AT IIHMR

### 1. CIPM

IIHMR, New Delhi launches Online Web based Course of Certificate in Project Management (CIPM) - specialization in Healthcare.

For details visit-

<http://www.cepm-iihmr.org>

- ### 2. Selected authors of the book Climate Change and Disease Dynamics in India presenting a copy to the Hon'ble Vice President of India, His Excellency Hamid Ansari on 23.05.2012



In the Picture above From L to R:  
Dr. Nitish Dogra, Faculty and Convenor, Centre for Climate Change and Environmental Health, IIHMR, Delhi; Hon'ble Vice President Hamid Ansari; Dr. R S Shukla, Joint Secretary, Union Ministry of Health and Family Welfare (also Member, Academic Advisory Council, IIHMR Delhi); Dr. Sangeet Srivastava, Co-editor as well as Visiting Faculty, IIHMR Delhi and Dr. D Pattanaik, Director, India Meteorological Department.

- The major portion of the book has been contributed by professionals who have been associated with IIHMR.
- A freely downloadable summary is available as a separate publication at:  
[http://bookstore.teriin.org/book\\_inside.php?material\\_id=646](http://bookstore.teriin.org/book_inside.php?material_id=646)

## MDP@IIHMR

Forthcoming MDP's at IIHMR

- Health Insurance: Risk Management and Marketing Strategies  
23rd - 27th July 2012
- Developing capabilities for an Effective Health Manager  
27th - 31st August 2012

For MDP details contact:

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## THREE MEMBER COMMITTEE CONSTITUTED TO LOOK INTO IRREGULARITIES IN DRUG TRIALS

Recently due to a report by the parliamentary standing committee pointing out huge irregularities in the functioning of the Central Drugs Standards Control Organization (CDSCO), the Health Ministry has announced that a three-member committee will examine the issue. The committee has been asked to examine the validity of the scientific and statutory basis adopted for approval of new drugs without conducting clinical trials, outline appropriate measures to bring about systemic improvements in processing and granting of statutory approvals. It was also formulated to suggest steps to institutionalize improvements in other procedural aspects of functioning of the CDSCO.

## GLOBAL NEWS

### 65TH WORLD HEALTH ASSEMBLY CLOSES WITH NEW GLOBAL HEALTH MEASURES

The Sixty-fifth World Health Assembly, concluded after adopting twenty-one resolutions and three decisions on a broad range of health issues. The main challenges mentioned there were non-communicable diseases and ageing, maternal and child health, under and over nutrition, the eradication of Polio, and health demands during humanitarian emergencies. The main resolutions and decisions adopted by the member states includes areas like - to increase awareness against early marriages and young pregnancies, humanitarian emergencies, International Health Regulations, Millennium Development Goals, non-communicable diseases, Pandemic Influenza preparedness, intensification of the global Polio eradication initiative, research and development, social determinants of health and many others.

### EFFORTS TO END POLIO BEFORE IT IS TOO LATE: GLOBAL POLIO ERADICATION INITIATIVE

The GPEI's Emergency Action Plan aims to boost vaccination coverage against Polio in the three remaining endemic countries. The group hopes a resolution being considered by health ministers this week in Geneva declaring Polio eradication "a programmatic emergency for global public health", will mobilize the political commitment and resources needed to make up the shortfall. It has been proved in the past that political change and poor infrastructure makes vaccination programmes difficult. With a little bit more effort and more funding, the Polio map worldwide can definitely look better than it has never before.

### GLOBAL FUND FORECASTS \$1.6 BILLION IN AVAILABLE FUNDS FOR 2012-2014

A new financial forecast by the Global Fund says that a funding of more than \$1.6 billion will be available in different projects that aims to save human lives against diseases like AIDS, Tuberculosis and Malaria. It is because of the strategic decisions taken up by the board to invest funds in countries where there is the most pressing demand, and adopting a plan to transform the Global Fund that has created multiple positive effects, including improved financial supervision and overall efficiency. The enhanced forecast will enable the organization to accelerate funding in a more continuous and effective way to support a more rapid implementation of the Global Fund's new 2012-2016 Strategy. However the Global fund says that alone the funds do not suffice. Support and quality work from the health workers are required to reach the desired goal.

## DO YOU KNOW?

1. Noise free life can lead to sound health
2. Health Midline crisis can lead to Dementia
3. Marijuana may ease multiple sclerosis symptoms
4. Health workers to get swine flu vaccine soon
5. Cancer drug prices cut by more than half
6. Soon a click will be enough to find blood donors
7. Population growth rate dips to 17%
8. Potential respite from AIDS

## RECENT RESEARCHES

### HEART DAMAGE REPAIRED BY REPROGRAMMING RESIDENT FIBROBLASTS INTO FUNCTIONING HEART CELLS

A new therapeutic strategy was announced by LoneStar Heart Inc., aimed at genetic reprogramming of cardiac fibroblasts into functioning heart muscle cells. The strategy helps in treating damage following a heart attack and other forms of heart disease. The study was conducted by researchers at the University of Texas Southwestern Medical Center (UT Southwestern) and was published in the journal, Nature. The exclusive worldwide rights to the new technology have been acquired by the company. Fibroblasts comprise of the majority of cells in the heart and are activated following injury. Fibrosis impedes regeneration of cardiac muscle cells that leads to heart failure and death. Therapeutic strategies that promote new muscle formation and limit fibrosis form a major step in heart repair.

### EVERY 1 IN 6 CANCERS CAUSED BY INFECTION

A study published in the journal, The Lancet, has revealed that among the twenty-seven Cancers in 184 countries, around 16 percent are infection related. This fraction of Cancers related to infections is about three times higher in developing than in developed countries. These infections are caused by causative organisms like Human papilloma viruses, Helicobacter pylori Hepatitis B (HBV) and C viruses (HCV). Many of the infection related Cancers are preventable. Overall one in five Cancers in India are caused by infections with bacteria, viruses and parasites. Whereas worldwide, 1 in 6 Cancers are caused by infections. Around 49 percent cases of Hodgkins lymphoma, 77 percent of liver Cancers, 88 percent of anus Cancers, 74 percent of Non Hodgkins lymphoma, 70 percent of Cancer cases in the vagina and half of all penis Cancers were due to infections. The study's estimates have also shown that preventive programmes in less developed countries will considerably reduce the global burden of Cancer.

## REVIEW PAGE

### CURRENT TOPIC

“Implementation techniques of HMIS in Brown field Hospital, Lecture by Dr. Supten Sarbadhikari, Chairperson - HL7 India”



Dr. Supten Sarbadhikari  
Chairperson - HL7 India

### TOPIC IN NEXT ISSUE

“A Brief Review on the Convocation Ceremony for Batch-C of IIHMR- New Delhi”

### COMPILED BY

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### IMPLEMENTATION TECHNIQUES OF HMIS IN BROWNFIELD HOSPITAL” ~ LECTURE BY DR SUPTEN SARBADHIKARI, CHAIR PERSON- HL7 INDIA

Dr. Supten Sarbadhikari visited IIHMR, New Delhi, in the month of March, 2012 to deliver a lecture on the Implementation techniques of HMIS at Brownfield Hospitals. Dr Sarbadhikari is the chair person of HL7 India and also founding Chair of Biomedical Informatics at PSG Institute of Medical Sciences and Research, Coimbatore, Tamil Nadu. He has given an overview on various scopes of HMIS in Brownfield hospitals and has defined informatics as “the art and science of processing information.”

These HMIS are designed to integrate the different manual systems existing in the organizations into a single efficient intranet system. It enables hospitals and nursing homes to serve the rapidly growing number of consumers in a cost effective manner. Hospital administrators would be able to significantly improve the operational control and thus streamline operations. HMIS also provides doctors and hospital staff with the decision support system that they require for delivering patient care, which is comparable to global standards.

Some of the HMIS software’s available for implementing to Brownfield hospital are:

- Quintegra HMIS
- PARAS HMIS
- Remedi lite web HMIS
- Birla medisoft Quanta 2.0 web HMIS
- ABC (Acumen Brilliance Commitment) MIS
- Orion HMIS

The HMIS modules have been designed according to three categories – core modules, supporting modules and enterprise-enabling modules. These modules can further be customized according to hospital needs.

Key functions of the HMIS include:

- ✓ Patient Administration
- ✓ Clinical Management
- ✓ Resource Management
- ✓ Financial Management
- ✓ Network configuration

Additionally, the HMIS has direct benefits such as easier patient record management, reduced paperwork, faster information flow between various departments, greater organizational flexibility, reliable and timely information, minimal inventory levels, reduced wastage, reduced waiting time at the counters for patients and reduced registration time for patients. The indirect benefits are improved image of the hospital and increased competitive advantage.

However, challenges faced by Brownfield hospital in implementing HMIS includes- Data Migration from one system to another which is a big issue to deal with, integrating legacy system with new system and the workflow management (Old Practice Vs New Practice).

The barriers existing in India for HMIS implementation include – commitment of top management to execute the whole system, traditional non IT practices are imbibed within the system leading to perceived notion of loss of job and lastly, the communication network in India is still in its nascent phase to handle high volume of data.

**NOTE:** The newsletter is open for inclusion of any information or advertisement; however selection of information will be governed by the SYNAPSE Team, IIHMR, New Delhi

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