

SYNAPSE





TABLE OF CONTENTS

1. Life at Campus	----- 3-7
2. Academia	----- 8-10
3. Research Insights	- ----- 11-12
4. Quiz Time	- ----- 13-14
5. Hospital Buzz	----- 15-16
6. Health Buzz	- ----- 17-19
7. Health IT Buzz	- ----- 20-22

"Today a reader, tomorrow a leader." – Margaret Fuller

LIFE AT CAMPUS

6th National Conference on Tobacco or Health

IIHMR Delhi, with support from the Ministry of Health & Family Welfare, Government of India, and World Health Organization, organized the 6th National Conference on Tobacco or Health (NCTOH) from 16th to 18th Feb. 2024 at the India Habitat Center, New Delhi. The theme of the conference was "Towards Tobacco-Free India: An Audacious Race Against Time". The Conference saw active participation of various organizations and institutions working towards addressing the pressing issue of tobacco use and its impact on public health in India. The conference provided a platform for professionals, researchers, and policymakers to exchange knowledge and best practices in tobacco control.

The first day of the conference featured an inaugural session, key orientation session, best practices in tobacco control, open paper presentations, voices from the field, and cultural events. These sessions provided valuable insights into the current state of tobacco control in India and the challenges ahead. Dr. Sutapa B Neogi, Director of IIHMR Delhi and President of the conference, in her inaugural address, highlighted the stark reality of tobacco use in India, where more than 1 million people die each year from tobacco-related illnesses. This underscored the urgent need for effective tobacco control measures and strategies.

Days 2 and 3 of the conference included a series of plenary sessions and panel discussions on various aspects of tobacco



control, such as policy and advocacy, cessation interventions, and tobacco industry tactics. Open paper presentations and poster presentations allowed researchers and practitioners to share their work and findings with a wider audience.

Overall, the conference was a comprehensive and insightful event that highlighted the importance of tobacco control in India.

Dr. Punit Yadav, organising secretary of the Conference, acknowledged, and thanked different stakeholders who contributed towards the successful organisation of the conference and highlighted that the conference provided a platform for stakeholders to come together, share knowledge, and collaborate towards a tobacco-free future for the country.



Guest Lecture on Human resource management

IIHMR Delhi organized a guest lecture on 10th January 2024, which was delivered by Brig. Sanjay Baweja, a seasoned professional. Drawing upon his rich experiences, particularly from his distinguished service in the army, he delved into the intricacies of human resource management and shared a



unique perspective with the students. He emphasized the critical role that human resources play in organizational success. Drawing parallels between military and corporate environments, he shared anecdotes that highlighted the importance of leadership, teamwork, and strategic planning in both contexts. His experience in the armed forces brought a fresh and dynamic outlook to HR management, emphasizing discipline, adaptability, and resilience. He elaborated on the significance of these qualities in fostering a robust organizational culture and promoting employee well-being. The discussion delved into various aspects of HR,

Lohari Celebration

On 12th January, the vibrant festivities of LOHARI were celebrated at IIHMR Delhi with lots of joy and fun. Dr. Sutapa Neogi, Director IIHMR Delhi, along with faculty members Sumesh Kumar and Dr. Divya Agrawal, led the ceremonial burning of the bonfire. The campus was adorned with colorful decorations, resonating with the spirit of

including talent acquisition, employee development, and conflict resolution. Brig. Baweja's unique blend of corporate and military insights provided students with a holistic understanding of effective HR practices.



unity and togetherness. As the flames danced in the chilly winter air, students and faculty alike gathered around, sharing warm wishes, traditional sweets, and tales of prosperity. The Lohari celebration served as a symbol of community bonding and the preservation of cultural heritage within the dynamic academic environment of the Institute.



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INTERNATIONAL INSTITUTE OF HEALTH MANAGEMENT RESEARCH

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For registration and queries, Contact

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Candidate Register: <https://atalacademy.aicte-india.org/signup>

Note: Participants will receive certification

AICTE ATAL Faculty Development Program

The Institute conducted a six-day Faculty Development Program titled "Telemedicine: A Digital Solution to Achieve Universal Health Coverage" for faculty members of different universities and academic institutions from 29th Jan 2024 to 3rd Feb 2024. The program was supported by the prestigious AICTE ATAL grant. As part of this training, faculty members were oriented towards telemedicine and universal health coverage.

This program provided an opportunity for faculty to enhance their expertise in digital healthcare and actively contribute to the noble cause of universal health coverage. Led by Dr. Anandhi Ramachandran, Profesor, IIHMR Delhi, Dr. Divya Aggarwal, Assistant Professor, IIHMR Delhi, and other distinguished industry experts, participants delved deep into the realms of telemedicine, exploring its potential to revolutionize healthcare accessibility and delivery.



E-Poster Competition: World Cancer Day

IIHMR-Delhi hosted an e-poster competition to mark World Cancer Day on 8th February 2024 with the aim to raise awareness about cancer prevention, detection, and treatment, emphasizing the critical significance of early diagnosis and intervention in confronting this global health issue. Students exhibited

remarkable enthusiasm, showcasing their creativity and knowledge. The competition provided a platform for the students to communicate key messages about cancer prevention, regular screenings, healthy lifestyle choices, and support services for affected individuals and families.

IIHMR Alumni Meet 2024

The IIHMR Alumni Meet 2024, which was held on 17th February at the India Habitat Center in New Delhi, was a vibrant gathering of alumni. The event featured cultural performances by first-year students, including singing and dancing, adding a lively touch to the evening. Alumni and students

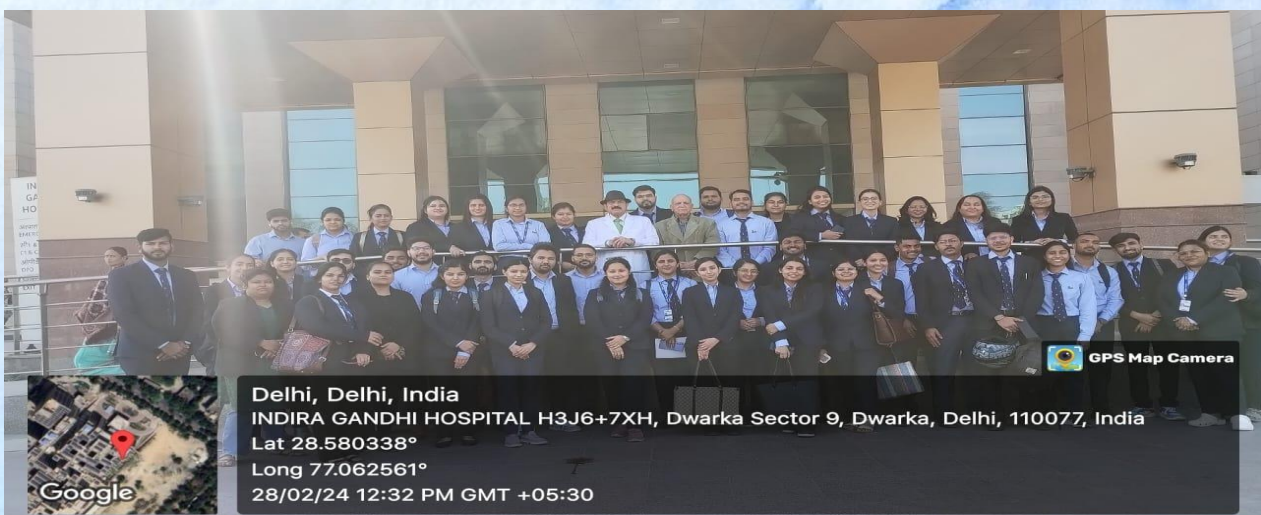
had the opportunity to network and collaborate, fostering meaningful discussions and exploring potential partnerships. Overall, the event was a memorable celebration of the IIHMR community's unity and shared commitment to excellence in healthcare management.



Educational Visit to Indira Gandhi Hospital

First-year students at IIHMR Delhi gained practical insights into hospital management as part of their visit to Indira Gandhi Hospital on 28th Feb. 2023. The visit, an important part of the student's curriculum, offered a firsthand understanding of hospital operations. The students visited various departments, including emergency services and inpatient wards, and engaged in

interactive sessions with hospital staff. They learned about patient care, resource allocation, and technology use in healthcare delivery. The visit highlighted the hospital's role as a vital healthcare pillar and provided a deeper understanding of hospital management to all the students. It inspired them to contribute meaningfully to the healthcare sector in the future.





ACADEMIA

Harnessing the use of Extended Reality in Healthcare settings

Extended Reality (XR) technologies, such as virtual reality (VR) and augmented reality (AR), are profoundly changing various aspects of the healthcare industry. This encompasses immersive educational tools, surgical procedures, and innovative treatment methods. The increased investment in patient engagement, a holistic approach to treatment, and the widespread adoption of virtual healthcare post-pandemic have led to a growing demand for advanced tools like extended reality technologies, reshaping the experiences of patients and healthcare providers alike.

What is Extended Reality?

Extended Reality refers to technology-enhanced environments blending physical and virtual worlds or immersing users entirely in virtual experiences. Enabled by wearable devices and computer technology, Extended Reality includes Virtual Reality (VR), Augmented Reality (AR), and potential future advancements.

Virtual Reality: Users experience complete immersion in digital environments through wearable VR headsets or HMD (head-mounted display) enabling individual experiences or group interactions within the same virtual setting.

Augmented Reality: Digital content overlays the user's physical surroundings in real-time, often through smartphone apps or wearable glasses, providing additional information about the real world.

Mixed Reality: Similar to AR, Mixed Reality overlays digital content via transparent wearable glasses, allowing virtual objects to integrate and respond to the natural world in real-time. These technologies create, augment, or overlay digital information onto the physical world to assist healthcare providers in diagnostics, treatment planning, medical training, patient care, and rehabilitation. Extended Reality employs advanced algorithms, sensors, and computer graphics to generate a synthetic environment or augment the real environment. For example, Virtual Reality

can create a 3D simulation of a biological structure, while Augmented Reality can overlay digital information onto a surgeon's field of view during a procedure. These technologies offer significant advantages such as increased accuracy, real-time data, and the possibility for remote healthcare solutions.

The healthcare extended reality market is driven by several key trends and drivers:

- Advancements in remote medical consultations and telehealth: With an aging population and rising chronic diseases, there's a growing demand for remote medical consultations. Extended reality technologies bridge the gap between healthcare providers and patients, enabling remote diagnosis and treatment planning, as well as real-time interaction.
- Pioneering applications in medical training and education: Extended reality offers immersive, real-world scenarios for medical professionals to practice without risk to patients. This enhances training in surgical procedures, emergency response, and diagnosis, leading to more proficient healthcare providers and improved patient outcomes.
- Integration of artificial intelligence (AI) and data analytics: AI algorithms analyze data in real-time, providing insights overlaid onto a healthcare provider's field of view through extended reality devices. This integration offers personalized, efficient, and safer healthcare solutions, leading to more accurate diagnostics, better treatment plans, and effective therapeutic interventions. As AI technologies advance, their integration with extended reality is expected to offer increasingly sophisticated healthcare solutions, driving market growth.

Extended Reality emerges as a transformative and empowering technology, contributing to the development of innovative healthcare products. Its impact is evident across the healthcare continuum, significantly enhancing experiences for both patients and providers. With applications ranging from the operating room to medical classrooms, and from pain management to mental health, Extended Reality is becoming increasingly integrated into various healthcare facets. Experts estimate the market for augmented and virtual reality in healthcare could reach \$ 19.6B by 2030.

Active adoption of Extended Reality within the healthcare sector

- Education and Training: XR enhances the learning experience for medical students and professionals through immersive simulations. It allows for realistic training in medical procedures and decision-making, minimizing risks. For example, XR facilitates remote teaching ward rounds, ensuring high-quality education without physical tours' associated risks.
- Patient Education and Awareness: XR assists in explaining surgical plans, teaching proper medical product usage, and presenting human anatomy or health conditions in immersive environments. This improves patient understanding of their condition and treatment options.

- Surgical Pre-operative Planning and Visualization: XR technologies aid in pre-operative planning by translating 3D reconstructions of CT and MRI scans into immersive environments. Surgeons can navigate complex anatomy, optimize positioning, and develop comprehensive surgical plans, leading to improved outcomes. For instance, XR tools transform 2D medical images into immersive 3D models, enhancing surgical planning and training. Additionally, during procedures, Mixed Reality overlays reconstructed models of a patient's anatomy, enhancing efficiency and precision. Johns Hopkins performed its first Augmented Reality surgery on live patients, showcasing the cutting-edge application of XR in surgery.

In conclusion, Extended Reality, including AR/VR, is already revolutionizing healthcare. Its applications span from education and training to patient awareness, and from surgical planning to tele-mentoring during challenging operations. Extended Reality is reshaping the healthcare landscape, making care more accessible, affordable, and technologically advanced, ultimately benefiting millions of individuals globally.

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[https://www.einfochips.com/blog/extended-reality-in-healthcare/#:~:text=Role%20of%20Extended%20Reality%20in,%2Dmounted%20displays%20\(HMDs\).](https://www.einfochips.com/blog/extended-reality-in-healthcare/#:~:text=Role%20of%20Extended%20Reality%20in,%2Dmounted%20displays%20(HMDs).)

"A word after a word after a word is power." – Margaret Atwood



RESEARCH INSIGHTS

The role of frailty in the relationships between social relationships and health outcomes: a longitudinal study

The longitudinal study examines the worldwide issue of social isolation in elderly populations and its repercussions on diverse aspects of health, spanning physical, mental, and cognitive well-being. It investigates potential biological pathways, particularly frailty, and its moderating interactions with social isolation and health outcomes. The study, which was based on the data collected from three waves of the FReLE (Fragilite, une etude longitudinale de ses expressions/ Frailty: A longitudinal study of its expressions) in Canada, examined whether changes in physical frailty moderated the associations between changes in social relationships and changes in health outcomes among older adults falling in age groups 65–74, 75–84, and 85 and over.

Frailty was considered a continuous latent variable, with higher scores representing lower levels of frailty. Different health outcomes in the study were assessed such as cognitive health, comorbidity, depressive symptoms and disability. Covariates included sociodemographic and lifestyle variables associated with frailty and health outcomes like age, sex, education levels, annual income, smoking status, alcohol consumption and sleeping disturbance were assessed. Several key findings and insights regarding the interplay between social relationships, frailty, and health outcomes among older adults: Moderation by frailty: Changes in frailty moderated the associations between changes in social participation, contacts with friends, and support from different social ties with changes in cognitive function and depressive symptoms. This suggests that the impact of social relationships on health outcomes may vary depending on the individual's level of physiological reserves, with social connections providing fewer benefits for those with stable frailty compared to those experiencing increases in frailty. Distinct associations between social relationships and health outcomes: meaningful social support, rather than the size of social networks, significantly reduces depressive symptoms in older adults facing increasing frailty. The finding underscored the importance of supportive relationships in mitigating stressors and improving mental well-being.

"Either write something worth reading or do something worth writing."

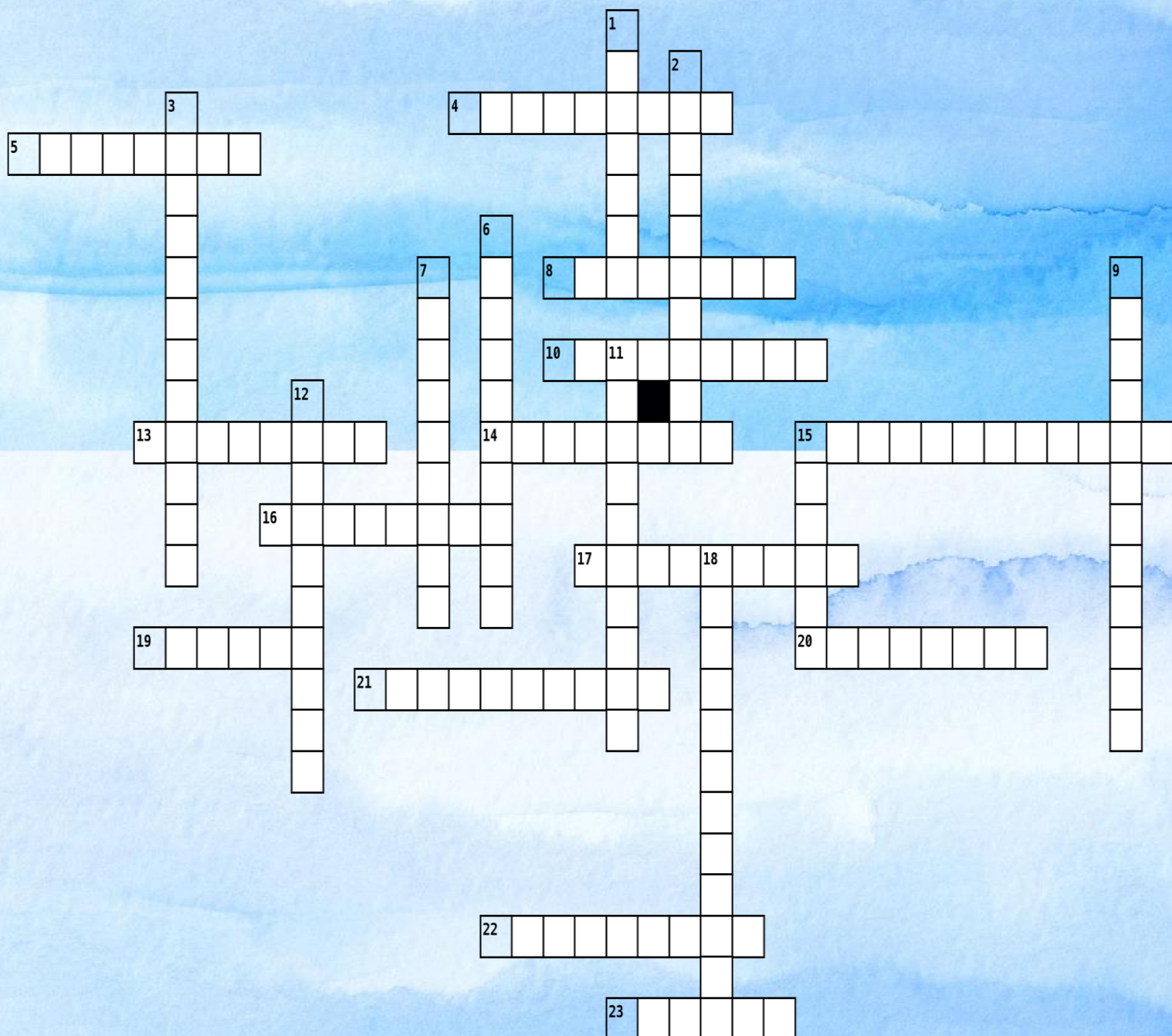
Benjamin Franklin

Fostering such connections can aid older adults in coping with age-related challenges and health stressors, promoting better overall outcomes in the face of frailty. Moderation by social participation: Higher social activity levels and increased participation moderated mental decline in older adults experiencing frailty, aligning with past studies linking social engagement to mental well-being over time. Additionally, the association between social frailty and depressive symptoms underscores the importance of addressing the specific needs of frail older populations in age-friendly initiatives. However, the study has some limitations. Changes in disability could not be accurately estimated due to the low number of changes observed over the two years. Estimation issues also arose with social contact with children and siblings, limiting the ability to assess changes in these variables. The study's observational design precludes causal inference, and future intervention research is needed to clarify the directionality of the findings. Despite these limitations, the study broadly examined structural and functional aspects of social isolation and considered different sources of social ties in association with multiple health outcomes in older age. This longitudinal study underscored the need to prioritize the inclusion and identification of frail older adults with mental and cognitive conditions in social isolation interventions and programs. Public health policies and interventions should prioritize physically frail older populations to enhance the mental and cognitive well-being of older adults.

Source: <https://doi.org/10.1186/s12889-024-18111-x>

**"Show me a family of readers, and I will show you the people who move the world." –
Napoleon Bonaparte**

QUIZ TIME



Across

- 4. Promoting a product or service (9)
- 5. Protein that fights infection (8)
- 8. Legal document outlining responsibilities (8)
- 10. Group responsible for making decisions (9)
- 13. Overall plan for achieving objectives (8)
- 14. Overall plan for achieving objectives (8)

- 15. Financial statement showing income and expenses (12)
- 16. Time limit for a task (8)
- 17. Study of tissues and diseases (9)
- 19. Financial plan for a project (6)
- 20. Working together as a group (8)
- 21. Treatment using medications (10)
- 22. Identifying a disease (9)
- 23. Communication tool used in meetings (6)

Down

- 1. Essential nutrient for the body (7)
- 2. Process of hiring and training new employees (10)
- 3. Communication between doctor and patient (12)
- 6. Evaluating performance against goals (10)
- 7. Process of resolving conflict (9)
- 9. Study of disease patterns (12)
- 11. Boosting employee enthusiasm (10)
- 12. Assigning tasks to others (10)
- 15. Financial resources available for spending (6)

- 18. Reducing costs and improving efficiency (12)

"A book is a garden, an orchard, a storehouse, a party, a company by the way, a counselor, a multitude of counselors." – Charles Baudelair



HOSPITAL BUZZ

1. In a 1st at govt hospital, Stem cell operation saves a 3-yr old with thalassemia.

A complex mismatched stem cell transplant has promised Priyanshu Dhara a thalassemia-free life. A month and a half after the procedure at the state-run NRS Medical College & Hospital (NRSMCH) Bengal, the two-year-old-eleven-months-old is recovering well and will soon be sent home. This is the first such procedure in a government hospital in the state.

Source: Times of India

[Click here for full text.](#)

2. Tata Institute Claims Its Rs 100 Tablet Can Prevent Cancer Recurrence

In what can be said as a breakthrough in cancer research and treatment, Tata Memorial Centre (TMC) has found an affordable way to stop recurrence of cancer. Currently, lakhs and crores are spent on cancer treatment and TMC doctors have found that a tablet to treat cancer can be available for just Rs 100.

Source: Times of India

[Click here for full text](#)

3. Odisha adds 2950 hospital beds with inauguration of five teaching hospitals.

With the inauguration of teaching hospitals of five medical colleges in the state on Saturday, Odisha added 3000 more beds to provide free and quality healthcare services to its citizens apart from research, teaching and learning practices of the medicos.

Source: Times of India

[Click here for full text](#)

4. 500-bed hospital planned at Dharashiv

The long pending Rs 4000 crore loan from the Asian Development Bank has been sanctioned, marking a significant step towards the transformation of government hospitals and medical colleges in Mumbai. Chief minister Eknath Shinde directed the establishment of modern and quality district hospitals in various districts. He also issued immediate directives to set up a well-equipped 500 bed district hospital with comprehensive facilities in Dharashiv district of Mumbai.

Source: Times of India

[Click here for full text](#)

5. Chandigarh's Malout civil hospital earns 'A' grade.

The civil hospital at Malout has earned an 'A' grade from the health department for treating a higher number of patients, Malout's Civil Hospital was recognized for its excellence in checkups, ultrasounds, medical tests, and X-rays, exceeding the standards of other government hospitals.

Source: Times of India
[Click here for full text](#)

7. Gift of life: Two organ donations save six people in Delhi.

Two organ donations took place Tuesday, saving the lives of at least half-a-dozen people. While a donation took place after a gap of four years at RML Hospital, the other, fourth this year was at AIIMS. Patients were admitted to a hospital after suffering head injuries after falling down.

Source: Times of India
[Click here for full text.](#)

6. Madurai Hospital treats girl suffering from rare epilepsy condition.

A 13-year-old girl who was diagnosed with Lennoxgastaut syndrome (LGS). Rare epilepsy condition was recently treated using a surgical procedure to split the left and right half of the brain. Neelakannan, Madurai cluster COO, Apollo Speciality Hospitals, said that the girl was experiencing uncontrolled epilepsy.

Source: Times of India
[Click here for full text](#)

8. Chennai Hospital to conduct basic life support training programme for residents.

Gleneagles HealthCity Chennai will conduct a basic life support (BLS) training programme for residents. The programme, to be conducted under its community connect initiative, will give residents training in essential life saving skills to prepare them to respond in emergency situations.

Source: Times of India
[Click here for full text](#)

"I think books are like people, in the sense that they'll turn up in your life when you most need them." – Emma Thompson



HEALTH BUZZ

1. WHO calls to accelerate tobacco and e-cigarette control measures

"The region still has the highest number of people using tobacco, which puts them at risk of life-threatening disease such as cancer, respiratory and heart disease. Urgent measures are also needed to control cigarettes, which have not been proven to be effective for smoking cessation. We must do all we can to control tobacco and e cigarettes use to protect health and save lives," said Saima Wazed, regional director, WHO south- east Asia.

Source: The Economics times

[Read the full article](#)

2. WHO launches digital health platform agreed upon in India's G20 presidency

At the launch of GIDH, Union Health Minister Mansukh Mandaviya and India's representative to the UN Arindam Bagchi addressed the gathering.

Source: Indian Express

[Read the full article](#)

3. Delhi man 'free of cancer cells' after undergoing CAR-T cell therapy; All you need to know

Dr (Col) VK Gupta, a Delhi-based gastroenterologist, underwent CAR-T cell therapy at the Tata Memorial Hospital and has been declared "free of cancer cells".

Source: CNBC TV18

[Read the full article](#)

4. Max Healthcare to acquire Nagpur-based Alexis Hospital for ₹412 crore

Max Healthcare: In a stock exchange filing, the leading private healthcare provider said the acquisition will help expand its footprint in the western market and is in line with its strategy to increase the presence in tier-2 cities.

Source: CNBC TV 18

[Read the full article](#)

"Books and doors are the same thing. You open them, and you go through into another world." – Jeanette Winters

5. Heart valve replaced without surgery at med college

The implantation was done on a 66-year-old woman from Thiruvananthapuram. The valve was replaced through the carotid artery in the neck, as against the conventional method of implantation through the blood vessels of patient's leg.

Source: The Economic Times

[Read the full article](#)

6. Global companies account for 60% of Indian vaccine sales by value

According to statistics from research firm PharmaTrac, the vaccination market in India is gradually rebounding from the effects of covid-19, and global corporations are gradually regaining ground. MNCs value market share is increasing due to their more expensive products than local pharmacies, whose volume growth is stronger. In India, the market leader for vaccines is the British pharmaceutical company GlaxoSmithKline.

Source: The Economic Times

[Read the full article](#)

7. West Bengal govt aims to bring 7.5 million people under diabetes, hypertension care

The move to screen adults for Diabetes and hypertension in Bengal streamline standard care is in sync with the health ministry's target to cater the same service to 75 million individuals across the country.

Source: The Economic Times

[Read the full article](#)

8. Parliamentary panel flags poor doctor-to-beneficiary ratio, long waiting times in CGHS dispensaries

The Department-related Parliamentary Standing Committee on Health and Family Welfare in its 155th report on the 'Functioning of Central Government Health Scheme (CGHS)' presented in Rajya Sabha noted an additional requirement of about 20 to 30 percent of the sanctioned strength of doctors and paramedical and administrative staff, over and above the sanctioned strength, in all CGHS set-ups across the country.

Source: The Economic Times

[Read the full article](#)

9. Interim Budget 2024: Setting stage for transformation in healthcare through Prevention and Empowerment

Preventive healthcare takes centre stage, the need of the hour. As the Hon'ble Finance Minister highlighted, rapid population growth will likely affect India's growth plans, more so from a healthcare perspective. It is imperative to focus on preventive health to reduce disease burden and mitigate the challenges arising from the shortfall in healthcare infrastructure compared to the World Health Organization's (WHO) recommended standards.

Source: The Economic Times

[Read the full article](#)

10. 'PCOS has long-term sequelae like cardiovascular diseases'

The exact cause of Polycystic Ovary Syndrome (PCOS) remains unknown, although several factors including, obesity play a significant role. Key contributors include increased insulin resistance, excess of androgens and low-grade inflammation. Additionally, in-utero exposure to high maternal levels of testosterone is believed to contribute to PCOS pathobiology. Family history and certain genes may also be linked to the condition.

Source: The Economic Times

[Read the full article](#)



HEALTH IT BUZZ

1. ‘Budget Ozempic’: five ways this dangerous TikTok trend will harm your health

Social media is obsessed with the type 2 diabetes drug Ozempic. But Ozempic’s ability to control blood sugar isn’t the reason it’s so popular online. Instead, the drug is trending because it has been shown in clinical trials to cause weight loss in diabetic patients taking it.

This has led to an uptick in the number of people trying to get their hands on Ozempic in the hopes of losing weight – even though the Ozempic is not recommended for weight loss. The drug’s soaring popularity online has not only contributed to shortages and bootleg versions of the drug, it’s also led to an influx of harmful diet trends.

Source: The Conversation

[Read Full Article](#)

2. AI-based app for cancer care clicks with patients

A smart phone app — UPPCHAR, an AI-based health education system, developed by All India

Institute of Medical Sciences (AIIMS) for supportive care for advanced cancer patients on medication adherence — has shown good results in effectively enhancing medication compliance among patients. This has been indicated in a study conducted by AIIMS, in collaboration with ICMR.

Source: The Economic Times

[Read Full Article](#)

3. Pediatric Cardio Thoracic Surgeon of Bhaikaka University develops 3D Animated videos for complex heart surgeries to enhance the learning experience

Animated videos/ surgical recordings help in simplifying the complex subject of congenital heart disease and its treatment. What used to take months and years of observation to master, and practice can now be done by anyone who has access to the videos, in this process the whole process of innovation is accelerated.

Source: The Economic Times

[Read Full Article](#)

4. IAGES conducts 21st robotic-assisted surgery national conference in Chennai

EFIAGES, FIAGES, FAGIE colonoscopy, FALS hernia, and FALS robotic hernia surgery were some of the courses conducted as a part of this conference, with hands-on demonstrations, training, and live lectures. The conference further included multiple sessions and orations from experts in the industry and panel discussions on robotic-assisted surgery.

Source : The Economic Times

[Read Full Article](#)

5. Lupin digital health introduces DTx certificate in collaboration with ACC

In a bid to encourage the integration of cutting-edge digital solutions in Cardiology, ACC will grant 'Digital Pioneer' certificates to cardiologists who adopt Remote Cardiac Rehab and Digital Heart Failure clinic solutions, acknowledging their commitment to innovation and patient-centred healthcare. This collaboration is crucial in ensuring top-notch care and enhancing outcomes, all from the convenience of patients' homes.

Source: The Economic Times

[Read Full Article](#)

6. Aarogya - Doctors on Wheels: AI supported telemedicine mobile clinic launched for remote hilly areas in Udhampur

The Union Minister of State for Science & Technology Dr Jitendra Singh on Sunday launched an AI supported telemedicine mobile clinic "Aarogya - Doctors on Wheels" for remote hilly areas of Ramnagar region in Udhampur district of J&K. The state-of-the-art tele-clinic is Artificial Intelligence-driven to provide healthcare facilities in far flung areas of the region, where such facilities are either not available or inadequately available, he said.

Source: The Economic Times

[Read Full Article](#)

7. Maharashtra signs MoU with Google for harnessing Artificial Intelligence

The Maharashtra government on Thursday signed a Memorandum of Understanding with search engine giant Google to utilise Artificial Intelligence for solutions in sectors like agriculture, healthcare and education. The MoU was signed at the company's office here in the presence of deputy chief minister Devendra Fadnavis, Sanjay Gupta, country head and vice president, Google India; and state chief secretary Nitin Kareer.

Source: The Economic Times

[Read Full Article](#)

8. AIIMS, IIT-D design AI-based neurosurgery simulation training

According to experts, this is aimed at changing the way neurosurgical skills especially precise actions that make a huge difference in brain surgery — are evaluated. This system significantly alleviates the evaluation burden on neurosurgeons and establishes standardized training and assessment protocols within the field.

Source: The Economic Times

[Read Full Article](#)

9. Blockchain in Pharma Unleashes a New Era of Trust and Efficiency

The influence of blockchain on clinical trials is truly revolutionary. Through the provision of a secure and transparent platform, blockchain elevates the integrity of trial data, rendering it resistant to tampering and guaranteeing the dependability of research outcomes. Blockchain technology is being adopted by pharmaceutical companies more and more in an effort to improve clinical trial efficiency and transparency. AstraZeneca, Novartis, Pfizer, Merck, Sanofi, Roche, and Sanofi are prominent players in this market.

Source: The Economic Times

[Read Full Article](#)

10. Hybrid model ensures quality eye care to all: Dr. R.V. Ramani

Globally Sankara is the only Institution functioning on a unique 80:20 model, wherein 80% of the beneficiaries are the Rural poor receiving totally free eye surgeries while the balance 20% are the rich and the middle income, the affordable sections of the society who pay for their treatment, thereby cross subsidizing the free surgeries and making the Institution self-sustaining.

Source: The Economic Times

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"Some books leave us free and some books make us free." – Ralph Waldo Emerson

SYNAPSE TEAM MEMBERS

1. Ms. Anamika Singh
2. Ms. Anushi Bhardwaj
3. Dr. Arpita Lohani
4. Dr. Anshuma Mahalle
5. Ms. Krati Gupta
6. Ms. Eshika Bindal
7. Dr. Bhumika Hooda
8. Dt. Priya Bansal
9. Dr. Ssamridhi Kaur
10. Mr. Rohit Upadhyay
11. Ms. Sweksha Gupta

Across

1. Vitamin
2. Onboarding
3. Consultation
4. Marketing
5. Antibody
6. Assessment
7. Mediation
8. Contract
9. Epidemiology
10. Committee
11. Motivation
12. Delegation
13. Strategy

Down

14. Strategy
15. Balance Sheet (across), Budget (down)
16. Deadline
17. Pathology
18. Optimization
19. Budget
20. Teamwork
21. Medications
22. Diagnosis
23. Agenda