

Central Medical Institutions & New AIIMS

15.1 AIIMS, NEW DELHI

Introduction

All India Institute of Medical Sciences New Delhi (AIIMS), established in 1956 by an Act of Parliament is an Institution of National Importance and a Centre of Excellence. AIIMS has discharged its role as patient care provider, research institute and teaching institution with considerable accolades over the past 6 decades. AIIMS has always maintained the high standards of meritocracy and learning.

15.1.1 Medical Education

AIIMS has been empowered to grant medical, dental and nursing degrees, diplomas and nursing degrees, diplomas and other academic distinctions and titles under AIIMS Act, 1956. AIIMS is offering education to the students in various undergraduate and post graduate courses. The undergraduate courses include MBBS, B. Sc. (Hons.) Medical Technology in Radiography and Ophthalmic Techniques, B. Sc. Nursing (Post-certificate) and B. Sc. (Hons) Nursing. Post



graduate courses include PhD, DM, MCh., MD, MS, MDS, MHA, M Biotechnology (M. Biotech)

and M.Sc. courses in different disciplines.





Inauguration of SET (Skill, E-Learning & Telemedicine) facility at AIIMS by Hon'ble HFM



SET at AIIMS, New Delhi

15.1.2 Patient Care

In the year 2018-19, about 23.58 lakh people visited OPDs, 1,84,466 surgeries were performed, 1,39,638 people got admission in AIIMS in Main Hospital, Cardiothoracic and Neurosciences Centre (CNC) and Centre for Dental Education and Research (CDER). Details is given in Table A.

Table A

Sl. No.		2018-19		
		Main Hospital	CNC	CDER
1	Hospital Beds			
	General	997	400	15
	Private	165	64	-
	Total	1,162	464	15
2	OPD Attendance Including Emergency	16,56,329	3,39,172	3,59,918
3	In-patient	1,17,169	21,278	1,191
4	Surgical Procedures	97,900	84,509	2,057

15.1.3 Medical Research

Research is a major thrust area for the faculty and scientists of the AIIMS and towards this the Research Section plays an important facilitator role by providing encouragement for obtaining extramural research projects funded by various agencies like ICMR, DBT, ICMR and Others. Various achievements/activities of the Institute in the field of medical research are as under:

- (i) **Intramural research grants – for Assistant Professor and Associate Professors at AIIMS**
 - a. Single Principal Investigator with Co-Investigators.
 - b. Funding: Rs.5 lakhs / year – extendable to two years.
 - c. Monitored by Internal Project Review Committee.
- (ii) **Intramural Inter - disciplinary collaborative research projects - for all**



Flagging off the free shuttle service at AIIMS by Hon'ble HFM

levels of faculty at AIIMS

- a. Two Principal Investigators from two different departments/disciplines with complementary expertise.
- b. Funding – Rs.5 Lakhs/year per PI for two years (Total Rs.20 Lakhs).
- c. Monitored by External Project Review Committee.

(iii) Inter-Institutional collaborative research projects

- a. IIT-Delhi.
- b. IIT – Kharagpur.
- c. THSTI.
- d. Two Principal Investigators from two different institutes with complementary expertise.
- e. Funding (intramural from both institutions) – Rs.5 Lakhs/year per PI for two years (Total Rs.20 Lakhs).

(iv) Central Core Research Facility

- a. Integrated hub of contemporary technologies and laboratories in the advanced areas of BSL2/3, Genomics, Proteomics, Bio-analytics,

Bioinformatics, Microscopic imaging, flow cytometry and general facility.

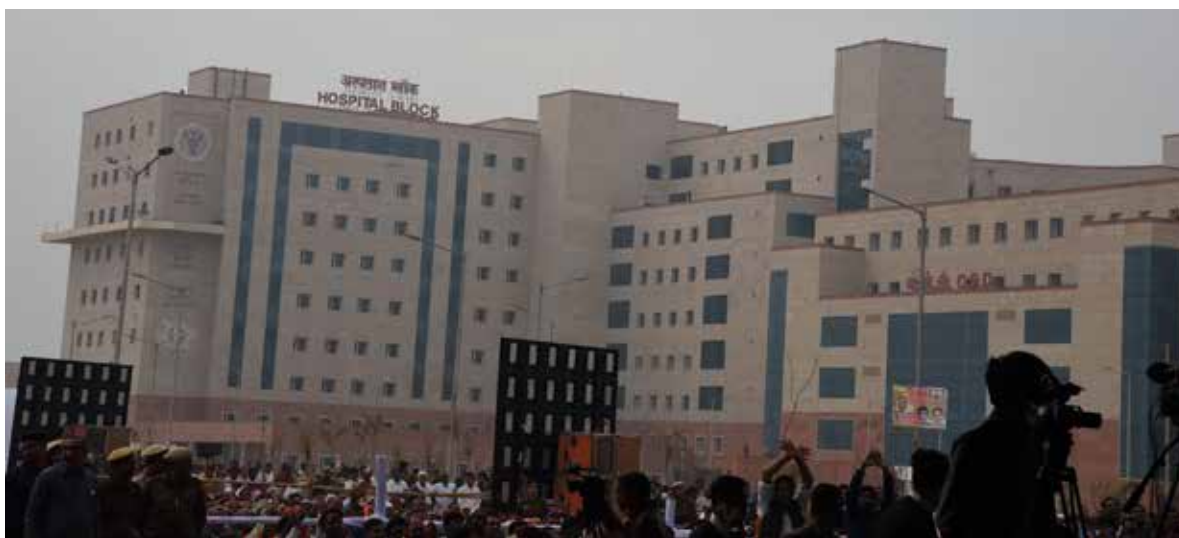
- b. Accessible to all faculty, scientists, researchers and students of all the departments of the institute.
- c. In the process of establishment on the 9th floor of the Convergence Block.

(v) Clinical Research Unit

- a. Being planned to provide assistance in development, application, and implementation of investigator initiated research in compliance with the best practices.
- b. To provide resources and services to advance clinical research and inform the best practices for clinical research.
- c. MoUs with IIT-Delhi, IIT-Kharagpur, THSTI & IGIB have been signed.

15.1.4 Achievements

- a) **National Cancer Institute** at Jhajjar Campus of AIIMS - Facility planned for 710 beds capacity started with 250 bed & Emergency in Sept. 2018 as Phase -I, with 15 OTs & 35 ICU beds along with Basic Diagnostics & Lab and Basic Radiation treatment.



Expected date of completion Sep. 2019 Work awarded for Rs.1105.52 crore approx., as approved in the Governing Body



Phase I has been made functional in Feb. 2019, with 250 beds.

Inaugurated by Hon'ble Prime Minister of India on 19.02.2019. In residential campus approx 600 hostel rooms and 400 residential flats of different categories are proposed.

- b) **Implementation of Master Plan of AIIMS New Delhi :-** Union Cabinet has accorded necessary 'in principle' approval for the implementation of the Master to convert the All Indian Institute of Medical Sciences (AIIMS), New Delhi into a world class Medical University.
- c) **E-research newsletter:** has been started and is being published quarterly.
- d) **First annual AIIMS Research Day:** The first annual AIIMS Research Day was celebrated on 26th March, 2019. Prof. MK Bhan was the Chief Guest and delivered the AIIMS Diamond Jubilee Oration. A total of 426 abstracts were received across all

categories of students and residents. They were reviewed by screening committees of faculty members and the top 3 abstracts were selected for oral presentations. Prizes were awarded in all categories. A panel discussion on "Building Medical Research Trajectory in India" was also held including panelists Prof. V.K. Paul, Member, NITI Aayog, Prof. Randeep Guleria, Director, AIIMS, Prof. Ashutosh Sharma, Secretary, DST, Dr. Renu Swarup, Secretary, DBT and Prof. Balram Bhargava, DG, ICMR & Secretary, DHR. The Moderator was Prof. Rakesh Aggarwal, Director, JIPMER.

15.1.6 Budget

A budgetary support of Rs. 3229.00 crore under Grant –in-Aid was provided by the Government during the financial year 2018-19. The major-heads of expenditure include infrastructure, machinery and equipment, salary payments and consumables.

15.2 POST GRADUATE INSTITUTE OF MEDICAL EDUCATION AND RESEARCH(PGIMER),CHANDIGARH

The Post Graduate Institute of Medical Education and Research, Chandigarh was declared as an Institute of “National Importance” and became an Autonomous Body by an Act of Parliament (Act 51 of 1966), on 1st April, 1967. The Institute is fully funded by the Union Ministry of Health and Family Welfare.

15.2.1 Hospital Services

The patient care services in PGIMER have expanded from Nehru Hospital to a number of independent Centres like New OPD Block, Advanced Pediatric Centre, New Emergency Block, Advanced Eye Centre, Drug De-addiction Centre, Advanced Cardiac Centre and Advanced Trauma Centre with enhanced number of hospital beds and operation theatres.

The total bed strength of the PGIMER has increased to 1948 beds. The number of patients who attended the out patients’ departments and those admitted for treatment during the last four years is as under:

Patients Attendance	2018-19	2017-18	2016-17	2015-16
Outdoor	28,76,257	27,25,183	25,55,455	24,23,501
Indoor Admissions	98,710	96,626	89,584	87,973

The number of minor and major surgeries over the last four years is as under:

Surgeries	2018-19	2017-18	2016-17	2015-16
Minor	2,05,542	1,86,282	1,69,243	1,62,021
Major	50,889	47,430	44,918	43,373

Emergency and critical patients were attended to round-the-clock.

15.2.2 Emergency Services

The Emergency Complex and Advanced Trauma Centre provides all medical and surgical emergency services including investigations and operations under one roof. The Emergency services are supervised by the Assistant Professor, Department of Hospital Administration and assisted by Senior Medical Officers (Casualty). They are responsible for dealing with medico-legal cases, providing free services to deserving patients and supplying life saving medicines and consumable items. MHA Residents assist in day-to-day administrative working. The Emergencies are managed by medical/surgical and super-specialty consultants and senior residents. A disaster area having cupboards containing equipment and lifesaving drugs has been earmarked and is used for treating mass casualties. A well-equipped VIP room is maintained to meet any emergency situation in case VIPs are brought to the Emergency. The statistics given below present an overview of the workload at emergency services in PGIMER.

	2018-19	2017-18	2016-17	2015-16
OPD	1,20,703	1,16,764	99,201	89,550
Admissions	48,099	47,901	44,388	42,376
Major Surgeries	19,406	18,377	16,862	15,557
Minor Surgeries	3,325	3,426	3232	2,887

15.2.3 Research

The Institute has excelled in all the three areas viz. patient care, medical education and research. The patient care load over the years has been increasing exponentially and now is becoming unmanageable. From an annual attendance of 1,25,163 out patients and 3,328 admissions in 1963-64, the figure has gone up to 28,76,257 out patients and 98,710 admissions in the year 2018-19. The Institute is spearheading the medical

education of large number of medical colleges of the country and abroad.

The PGI faculty has received around Rs. 33 crores as extra-mural grant last year and published about 1339 research papers. Nearly 181 scientists were awarded fellowships and other national and international awards. Various departments of the Institute completed 212 research projects funded by DST, WHO, ICMR and other agencies and 676 research projects are in progress supported by national, international and PGI research funds. The patient-care, academic and research activities of PGIMER have continued to expand.

15.2.4 Academic Activities

PGIMER has been empowered to grant medical, dental and nursing degrees, diplomas and other academic distinctions and titles under the PGIMER, Chandigarh Act, 1966. During the year 01.04.2018 to 31.03.2019, the Institute has awarded 42 Ph.D degrees, 37 M.Ch degrees, 70 DM degrees, 64 MS degrees, 166 MD degrees, 09 MDS degrees, 07 Master in Hospital Admn. degrees, 01 Fellowship PGI (Reproductive Endocrinology & Infertility), 16 Master of Public Health degrees, 02 Master of Audiology & Speech Language Pathology degrees, 18 M.Sc. (Radiodiagnosis/Radiotherapy)/M.Sc. Medical Laboratory Technology degrees, 25 M.Sc. (Nursing) degrees, 47 B.Sc (Medical Technology) degrees, 09 B. Ph.D degrees, 04 Bachelor of Audiology & Speech Language Pathology (BASLP) degrees, 118 B.Sc. (Nursing) degrees. Further, 310 approximately numbers of candidates have joined various Post-graduate/Post-doctoral courses during the session July & September, 2018.

The following fellowships were started during the period:

- 1) Fellowship Renal & Pancreatic Transplantation in the Department of Renal Transplant Surgery.
- 2) Fellowship High Risk Pregnancy & Perinatology in the Department of Obst. & Gynaecology.

The 8 new DM/M.Ch super specialty courses started at the Institute w.e.f. July, 2018 session.

15.2.5 Engineering Department

- Hon'ble Union Health Minister has laid the foundation stone for setting up of PGIMER Satellite Center at Una, Himachal Pradesh on 07.03.2019. Tender for construction of boundary wall has been floated.
- Construction of 250 bedded Hospital (expansion of Nehru Hospital) is in progress. The work is expected to be completed by April, 2019.
- The work of upgradation of 11KV Electrical substation and Distribution System for Research Block 'A' & 'B' has been completed and inaugurated by Sh. J.P. Nadda, Union Health Minister on 09.02.2019.
- HSCC has been appointed as the executing agency for setting up of Neuroscience Centre. The concept plans submitted by HSCC have already been approved by the Institute. HSCC has applied to local authorities for approval of building plans, fire safety layout, environment clearance etc.
- M/s HLL Infra Tech Services Ltd. (HITES) has been appointed as the executing agency for setting up Mother & Child Centre. The concept drawings proposed by HITES have been approved by the Institute. The DPR submitted by HITES have some discrepancies and they have been asked to submit the amended DPR at the earliest.
- Proposal for transfer of 50.76 acres of land in Sarangpur from UT Administration, Chandigarh to the PGIMER, Chandigarh at an estimated cost of Rs.180.71 crore for the expansion of the Hospital Services has been approved by the Cabinet in its meeting held on 19.02.2019.

15.2.6 Achievements in 2018-19

- National Awards:** PGIMER was ranked No. 2 in medical category, nationally in the National Institutions Ranking Framework. Hon'ble President Shri Ramnath Kovind declared the National Institutions Ranking Framework at Vigyan Bhawan, New Delhi. Ranking was conducted by Ministry of Human Resources and Development Government of India for 2018-19. Over 800 medical institutions in the country were assessed on the basis of five factors: teaching, learning and resources; research and professional practice; graduation outcome; outreach & inclusivity and public perception.
- The Drug De-addiction and Treatment Centre (DDTC), Department of Psychiatry, PGIMER, Chandigarh received the prestigious National Award as an "Organization of Excellence" for its Outstanding Services in the field of Prevention of Alcoholism and Substance (Drug) Abuse, as the best Institute under the category "Best Research and Innovation". The award was conferred by the Ministry of Social Justice and Empowerment, and it was presented by Shri Ram Nath Kovind, the Hon'ble President of India.
- State-of-the-art facilities and treatments:** PGIMER has become the first Central Govt. Institute in North India by conducting its first 'in house' Live Donor Liver Transplant (LDLT) independently. As of now PGI is country's largest Institutional Deceased Donor Liver Transplant (DDLT) centre.
- Newborn Robotic Surgery at PGIMER was done for the first time. The team of Pediatric surgeons at Department of Pediatric Surgery has successfully treated a two day old newborn with robotic surgery. This is the first time in Asia that such a small baby has been operated by a robotic facility. The Department of Pediatric Surgery has been operating on babies since the early 1980s and is the largest referral centre for newborn surgical conditions in India.
- PGIMER added another feather in its cap by commissioning a new state-of-the-art **SPECT gamma camera (D-SPECT)**, to the already existing Nuclear Cardiology facility of nuclear medicine department located in Advanced Cardiac Centre (ACC) of the Institute.
- New cancer treatment, Cryoablation was started at PGIMER. The Department of Radiodiagnosis at PGIMER, Chandigarh has acquired the state-of-the-art machine for doing cryoablation of tumours in patients who are not suitable to be treated with surgery. This machine is the first of its kind to be installed anywhere in the country. The department is now fully equipped to treat unresectable cancers with all types of ablation modalities like radiofrequency ablation, microwave ablation, irreversible electroporation, high intensity focused ultrasound and now cryoablation, available under one roof.
- An open MRI Machine** which does not cause claustrophobia was recently installed at PGI. The new machine installed at PGI has an open Bore Design, and does not cause claustrophobia. Another big advantage of this machine is that it can image patients in standing position and can better show the weight bearing effects on the spine, or the various joints like hips, knees, ankles etc.
- A Surgical Gastroenterology Clinic** in New OPD complex was inaugurated by Prof Jagat Ram.
- A new state of the art **Nephrology and Transplant Care Unit (NTCU)** was inaugurated, It is a 6 bedded intensive care facility which will cater to severely ill patients with kidney disease or those who have received kidney transplants.

- **Advanced High Energy “FFF” Linear Accelerator** was installed in the Department of Radiotherapy at an approximate cost of 25 crores. Armed with state of the art technologies, our latest acquisition enables us to perform precision shaping of fields with 160 MLC leaves, as compared to 120 in earlier machines. Apart from this, other advanced radiation techniques like Image Guided Radiation Therapy (IGRT), Intensity Modulated Arc Therapy (IMAT) etc can also be performed with higher precision in shorter treatment times due to increased dose rates of up to 2400MU/min, using the FFF technology.
- Shri J.P Nadda, Hon’ble Union Minister of Health & Family Welfare and Sh. Jai Ram Thakur, Hon’ble Chief Minister of Himachal Pradesh laid the foundation stone of **PGI Satellite Centre, Una** on 7th March, 2019. The Centre will be 300 bedded comprising general wards, private wards, OT complex, ICUs, HDU/observational beds and will cost Rs. 495.30 crores.
- The Cabinet has approved establishment of 250-bedded Geriatric Care and Rehabilitation Centre at PGIMER, Chandigarh. This would come up at a cost of Rs. 469 crores.

MOUs signed

- Memorandum of Understanding (MOU) has been signed between PGIMER, Chandigarh and the American Society of Clinical Oncology (ASCO) to improve cancer care services as well as training and research in the field of cancer at PGIMER.
- PGIMER Chandigarh signed MoU with Coal India Limited for providing Rs. 2 crores for thalassemia transplants.

New Posts

- 176 posts were created to add to the faculty strength this year. 43 posts for OT Technicians have been sanctioned.

Patient Friendly Initiatives

- The Institute launched the **facility of online donations** on the Institute website-pgimer.edu.in for Poor Patient Welfare Fund. 53 lakh has been donated online till March 31st and 1.50 crores donated offline.
- **The Ayushman Bharat / Pradhan Mantri Jan Arogya Yojana** has been successfully implemented in PGIMER, Chandigarh w.e.f. 13th October, 2018. Approximately 1100 requisitions have been processed.
- **An outlet of AMRIT** (Affordable Medicines and Reliable Implants for Treatment) Pharmacy has been inaugurated in the Advanced Trauma Centre. This is the sixth such outlet for the benefit of PGI patients.
- **A new Ward of Child and Adolescent Psychiatry** in Department of Psychiatry for children and adolescents suffering from neuro-developmental disorders was opened.
- **Four more lifts were installed at Advanced Cardiac Centre for the benefit of patients.** With the addition of these lifts, total 9 lifts would be available for comfort of patients and attendants.

Organ Donation at PGIMER

- **Cadaver Donation in PGIMER:** With 33 cadaver donations in 2018-19, PGIMER has to its credit 185 cadaver organ donations till date, giving a second lease of life to 436 end stage organ failure patients till date. In last financial year i.e. 2018-19, 66 kidneys, 13 livers, 1 heart, 7 pancreas and 806 corneas were harvested.

15.2.7 Information Technology Initiatives

Under hospital computerization initiative local area network of around 4000 Info Outlet points (I/O) have been set up in PGI campus. Through this LAN, the Hospital Information System software (HIS) is being used by all departments/sections

of the Institute. The HIS covers all clinical, non-clinical and support services of the Institute and it is being managed through the servers installed at Main Data Centre, Nehru Hospital.

Patient care has been facilitated by online services available on PGI web-portal <http://pgimer.edu.in> like online pre-registration to visit any OPD or special clinic, online lab investigation report viewing, online availability of blood in Transfusion Medicine department of PGIMER, etc. The PGI web-portal is also connected with GOI websites like ORS for these facilities. Automatic scheduling of the patients being registered (New/Old) on real time basis depending upon the number Doctors sitting/available in the specific OPD. To save patients from hassles of standing in long queues for getting registered token system has been introduced.

15.3 JAWAHARLAL INSTITUTE OF POST GRADUATE MEDICAL EDUCATION & RESEARCH (JIPMER), PUDUCHERRY

Introduction

Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) traces its origins to “Ecole de Medicine de Pondicherry”, established by the French Government in 1823. The foundation for a new medical college was laid in 1956, and the hospital was inaugurated in 1964. JIPMER became an ‘Institution of National Importance’ under the Ministry of Health and Family Welfare, Government of India in the year 2008. It provides for excellent teaching, research and patient care. Its campus, spread over 192 acres, includes an administrative block, an academic center, a nursing college, seven hospital blocks with 2137 beds, seven ancillary services buildings and four residential complexes. It conducts 12 broad types of medical, nursing and allied health sciences courses covering all disciplines in healthcare from graduate level to super-specialty training.

In ‘Mera Aspatal’ program of the Government of India, JIPMER Hospital was ranked at the top in terms of patient satisfaction category. During the

year under review, JIPMER was ranked at 6th position among all medical teaching institutions in the country in the National Institutional Ranking Framework (2018). The thrust given to clinical and basic research in recent years should in near future make JIPMER one of the leading medical research institutions in the country.

15.3.1 Overview of Activities of the Institute, 2018-19

(A) Education and training

- i) JIPMER has about 300 faculty members, 600 resident physicians and over 4000 nursing, administrative and support staff. It admits 200 under-graduate students, 200 post-graduate students and 50 super-specialty course students every year.
- ii) The total MBBS student intake is 200 students (150 for JIPMER, Puducherry and 50 for JIPMER, Karaikal). In addition, post-graduate programmes (MD/MS) are offered in 23 disciplines, medical and surgical super specialty (DM and MCh, respectively) programmes in 10 and 7 disciplines, respectively, PhD programs in 8 disciplines and Fellowship courses in 4 disciplines. Other courses include BSc Nursing (75 + 2 seats annually), MSc Nursing (25 seats), BSc in allied medical sciences (44+30+4 seats), MSc in allied medical sciences (25 seats) and Master in Public Health (MPH; 25 seats).
- iii) JIPMER has a sprawling hostel complex that accommodates nearly 1100 students, with a separate block for common facilities.
- iv) The Institute organizes a foundation course for its first-year students (both Puducherry & Karaikkal campuses). This is a 3-week programme that lays emphasis on professionalism, ethics, skill development, language, communication and interpersonal relationship skills. The program was conducted in July, 2018.

- v) The 9th convocation of the Institute was held on October 12, 2018. Honorable Vice-President of India, Shri Venkaiah Naidu, was the Chief Guest at the event, which was graced by Honorable Union Minister of Health and Family Welfare, Shri Jagat Prakash Nadda. At this convocation, of the 467 graduates and post-graduates from various streams (DM, MCh, PhD, MD, MS, MBBS and Fellowship courses) eligible for award of their degrees, received these in person. In addition, Endowment Medals were awarded to 39 under-graduate students and 33 post-graduate students.
- vi) A ‘Medical Virtual Smart Class Room’ was inaugurated by Prof R.P. Swaminathan, Director, JIPMER on December 18, 2018 in Hunter Theater.
- vii) A ‘Digital Medical Lecture Theater’ (e-Class Room) was inaugurated by Prof S Vivekanandam, Director, JIPMER on November 26, 2018.
- viii) JIPMER celebrated its Fourth Annual Research Day from March 5-6, 2019. The keynote address was delivered by Dr. Rakesh Aggarwal, Director, JIPMER. On the occasion, several workshops on topics related to conduct of research were organized, and special invitees from other premier health institutions of the country participated as course faculty. Prof. R. Raveendran, Dean (Research), JIPMER coordinated the entire programme.
- ix) During the year, the institute sanctioned intramural research grants of nearly Rs. 2.4 crores to its faculty members and



9th Convocation of JIPMER was held on October 12, 2018

post-graduate students for various projects.

- x) The Institute hosted *Connaissance*, the Second International Under-graduate Medical Students Conference during April 20-22, 2018. This program provides a national forum for intellectual discussion and productive confluence of young under-graduate medical students from all over the country, and is aimed at elevating under-graduate medical activities to a higher level. Hon'ble Lt. Governor of Puducherry, Dr. Kiran Bedi graced the Occasion as Chief Guest and delivered the inaugural address.
- xi) JIPMER Second Research Leadership Mentorship Programme was conducted during February, 2019.
- xii) International Journal of Advanced Medical and Health Research: Two issues were published in the year 2018 with 8 original articles from various specialties.

(B) Patient care services

- i) The OPD is attended by more than 7800 patients (average) every day with an yearly OPD attendance of more than 20.3 Lakhs. The daily average emergency department attendance exceeds 700 with the annual attendance of more than 2.5 lakhs. The annual number of admissions is more than 89,000, and the hospital performs more than 60.2 Lakhs investigations every year.
- ii) Outreach activities at the rural and urban health centers of JIPMER include service provision for approximately 2000 families in each service area (approximately 20,000 population).

(C) Augmentation of hospital infrastructure

- i) During the year, a new PET/CT and new dual-headed gamma camera facilities were established. These were inaugurated on November 29, 2018 by Dr. S Vivekanandam.

- ii) JIPMER expanded its telemedicine services to Italy in August, 2018. The Institute serves as a Regional Resource Centre (RRC) of telemedicine for more than 160 medical colleges in southern India (Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and Puducherry), using the National Knowledge Network (NKN), and also collaborates on telemedicine activities with other countries.
- iii) The Standing Finance Committee, JIPMER has approved the proposal for an expenditure of Rs. 32.67 crores for setting up a Centre for Multidisciplinary Robotic Assisted Minimal Access Surgery and the said facility has been established.
- iv) Department of Neonatology launched a 'Bonding Angel' programme, an evidence-based high-impact intervention for improving neonatal survival on September 27, 2018.
- v) JIPMER created a new integrated 'IT Wing' as per the Government of India guidelines. This wing launched the 'JIPMER Internet Radio Service & App', 'HD TV Studio' and 'Digital Signage' programmes on October 29, 2018.

(D) Community Benefit Programmes

- i) JIPMER conducted a health check-up camp for sanitation workers of Puducherry on the occasion of World Sanitation Day on April 6, 2018.
- ii) An interactive public session on "Tobacco use and health effects: Prevention and Management" was organized on May 22, 2018.
- iii) A special camp at Pillayarkuppam, Puducherry was organized to treat patients affected by a fever epidemic.
- iv) To popularize the concept of organ donation, JIPMER Deceased Donor Transplantation Committee (JDDTC) organised an organ donation awareness campaign and drive on

October 21, 2018, in association with Rotary Club, Pudducherry, Beach Town.

- v) An interactive public session on 'Management of Attention Deficit Hyperactivity Disorder in Children' was held on November 13, 2018.
- vi) An HLA-matched identical twin donor bone marrow transplant was done for a 17-year-old girl with relapsed acute lymphoblastic leukemia. Till March 2017, the Department of Medical Oncology has performed a total of 67 bone marrow transplants (including 58 autologous and 9 allogeneic) for various indications.

(E) Major achievements

- i) JIPMER has set up a second campus for an independent medical college at Karaikal.
- ii) JIPMER served as the mentor institute for AIIMS Mangalgi and AIIMS Bhopal.
- iii) JIPMER organized a Telemedicine Emergency Consultation programme for the Sabarimala Pilgrimage.
- iv) A multi-disciplinary team performed the first bilateral hand transplantation surgery on a 16-year-old person with bilateral below-elbow amputation.
- v) JIPMER performed its first cyto-reductive surgery and Hyperthermic Intra-Peritoneal Chemotherapy (HIPEC) in the Department of Surgical Oncology.
- vi) A new indigenous cobalt-60 machine for treatment of cancer patients was installed.
- vii) Department of Plastic Surgery acquired a 3D-printer. It will enable the department to provide better-fitting prosthesis at a cheaper cost and reduce their dependence on external services.

(F) Awards and honors received

1. Dr. V.S. Negi, Professor and Head,

Department of Clinical Immunology was selected for distinguished B.C. Roy National Award for development of Newer specialties on July, 2018.

2. Dr. Vikram Kate, Professor and Head, Department of Surgery was awarded the Distinguished DNB Teacher of Excellence Award, instituted by the Association of National Board Accredited Institutions (ANBAI) on September 22, 2018.

15.4 VARDHMAN MAHAVIR MEDICAL COLLEGE (VMMC) & SAFDARJUNG HOSPITAL, NEW DELHI

Introduction

Safdarjung Hospital was founded during the Second World War in 1942 as a base hospital for the allied forces. It was taken over by the Ministry of Health in 1954. Until the inception of All India Institute of Medical Science in 1956, Safdarjung Hospital was the only tertiary care hospital in South Delhi.



Based on the needs and developments in medical care the hospital has been regularly upgrading its facilities from diagnostic and therapeutic fields in all the specialties. The hospital when started in 1942 had only 204 beds, which has now increased to 1531 beds. The hospital provides medical care to millions of citizens not only of Delhi but also the neighbouring States, free of cost. Safdarjung

Hospital is a Central Government Hospital under the Ministry of Health & Family Welfare and receives its budget from the Ministry. Safdarjang Hospital has a Medical College associated with it named Vardhman Mahavir Medical College established in November, 2001 and a Sports Injury Centre (SIC) was inaugurated on 26th September, 2010 to provide integrated surgical, rehabilitative and diagnostic services under one roof for the management of sports injuries and related joint disorders.

There is a 24-hour laboratory facility besides round the clock ECG, Ultrasound, X-ray & CT Scan services. The departments of Obst & Gynaecology and the burns have separate, independent casualties. The hospital also provides the services for cardiac catheterisation, lithotripsy, sleep studies, endoscopies, arthroscopies, video EEG, spiral CT, MRI, colour Doppler, mammography and BAC T ALERT microbiology rapid diagnostic system. The hospital has added a new cobalt radiotherapy unit for the department of Radiotherapy.

Total No. of **In-Patients** admitted and **operations** conducted in this hospital for the last 02 years is as under (**Jan to Dec**):-

Year	Major Op.	Minor Op.	Total	(Operations)
2017	1,89,970	33,972	67,439	1,01,411
2018	1,84,166	35,276	47,761	83,037

Statistics (Lab. Investigations and X-Ray Examinations)

Year	No. of Lab Investigations	No. of X ray Examinations
2017	71,06,164	3,56,174
2018	89,69,938	4,20,391

- The total number of deliveries conducted in the department of Obst & Gynae during the year 2017 is 27,913 and during the year 2018 is 28098.
- The Total No. of OPD Patients during the year 2016 is 31,11,973 and during the year 2017 is 31,09,487 and during the year 2018 is 32,97,638.

The patients' attendance and surgeries during the current financial year 2018-19 in Sports Injury Centre :

Sl. No.	Details of	2017	2018
1.	OPD Attendance Including attendance Casualty	109033	120003
2.	Inpatient Attendance	3297	3204
3.	No. of surgeries undertaken	3665	2790
4.	Minor Surgical procedure	8197	8568
5.	Physiotherapy	68461	67713

Important Achievements in the year 2018-19 :

1. The hospital has been upgraded under Redevelopment Work (Phase-I). It comprises Super Specialty Block (with 430+125 beds), state of art private block (206+22 ICU beds) and Emergency Block (500 beds). The project had started with foundation stone laid on 21st February, 2014. The building structure of Emergency Block and Super Specialty Block is completed. The New Emergency Block has started functioning w.e.f. 07.2.2018. The Hon'ble Prime Minister inaugurated the New Emergency Block and Super Specialty Block on 29.06.2018. Both the blocks are now functional.





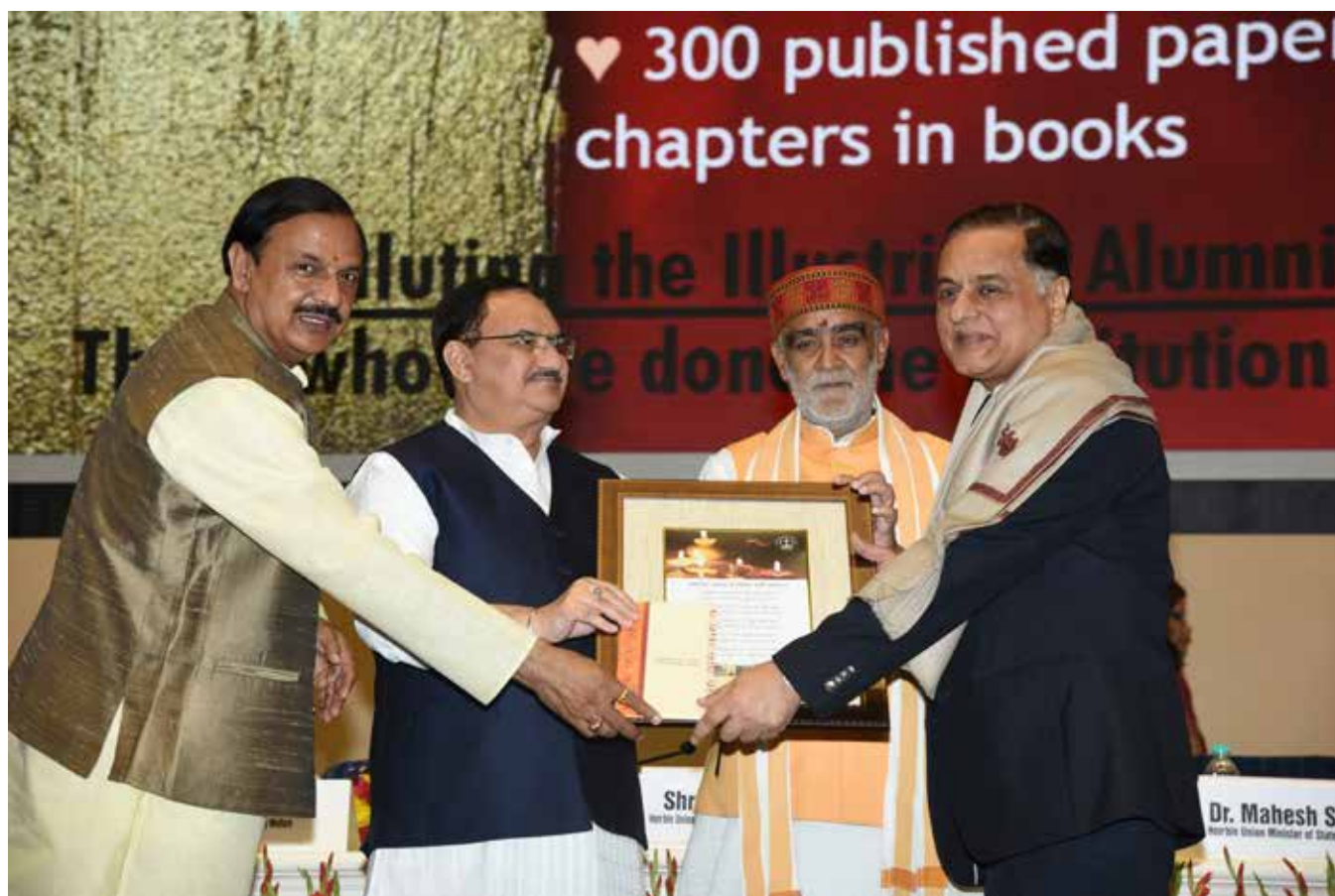
Emergency Block



Super Speciality Block

2. A Platinum Jubilee Celebration was held consequent upon completion of 75 years on 27.04.2018 at Vigyan Bhawan.
3. Hon'ble HFM released the commemorative Postal Stamp on Safdarjung Hospital at Vigyan Bhawan on 27.04.2018.
4. Sample collection center started at Super
5. Speciality Block and working for the patients visiting SSB.
6. Collection Centre has been started in SSB Molecular Laboratory – Working on HLA typing for benefits of renal transplant patients etc.
6. Immunophenotyping of Leukaemias in





Special Haematology Laboratory.

7. Tumor Markers done in serum (By Chemiluminescence) and tissues (by IHC/ ICC) for definite diagnosis and prognosis of the tumors.
8. Intra-operative diagnostic facility is provided.
9. Immunofluorescence for diagnosis of skin and kidney disorders.
10. In Central Collection Centre, blood sample collection counters increased and the number of test parameters also increased.
11. Number of investigations in emergency laboratory have increased to 1.5 lakh/month.
12. Antenatal programs being followed, all ANC patients tested for thyroid functions.
13. Serum testing done for cervical transplant as part of NOTTO.

14. Conducted Eye Donation Fortnight from 25th August to 8th September, 2018, held various public awareness programmes, school education and hospital awareness programme, etc. to promote eye donation among general public.
15. The blood bank achieved the following:

Sl. No.	Work	In the year 2018
1.	Donation	37,818
2.	Blood Issued Unit	63,358.75
3.	ABO/Rh Grouping	7,28,355
4.	Test Conducted	2,10,382
5.	Blood Component Prepared	98,849
6.	Platelet Apheresis Procedure	249
7.	Coomb's Test	10,678
8.	Cross match	2,97,870

16. Equipment like Automated Elisa Processor, Cell Separator (Platelet Apheresis), Automated Component Separator, Haematology Analyzer (Five Part Differential) for Blood Bank were procured.
17. Eye department equipped with two advanced phaco-emulsification system in 2018.
18. Starting Postgraduate Degree Course in Psychiatry (MD Psychiatry) with 5 seats after obtaining the required permission from MOHF&W and the GGSIP University. All the seats were filled by candidates through NEET PG 2018.
19. Starting a Counselling & Wellness Centre for the under-graduate and post-graduate students of VMMC in unique initiative, which was also adopted by other medical institutes.
20. Starting weekly public lectures in the department for spreading awareness regarding mental health among general public.
21. Awarding best intern award to the best performing intern student of each MBBS batch every month.
22. Department of Surgery has started the Clinico Radiological meet on 20th Sept, 2018 as the inaugural Department to fulfil the requirements of MCI and also to enhance the quality of Postgraduate teaching in VMMC & SJH.
23. A “Swachhta Hi Seva Hai” campaign was launched in Safdarjung Hospital and a rally was organised on 22.9.18 and officers of all departments participated and took pledge for cleanliness maintenance of the hospital. A Swachhta Pakhwada has also been organized w.e.f. 15.09.2018 to 02.10.2018.
24. Introduction of PMR services in New Emergency Block.
25. Pulmonary Rehabilitation: First in Govt. set up.
26. Super Speciality Block: Neuro-rehabilitation in Neurology and Neurosurgery.
27. Outdoor Ambulation training pack for persons with disabilities.
28. Twice a week operation theatre started in PMR department.

15.5 LADY HARDINGE MEDICAL COLLEGE & SMT. S.K. HOSPITAL, NEW DELHI

Introduction

The Lady Hardinge Medical College for women was founded on 17th March, 1914. The college and hospital was formally opened by Lord Hardinge the then Viceroy of the India on 17th February, 1916.

The number of admissions have increased gradually from 16 per year in 1916 to 60 in 1956. In 1961, the admissions were increased to 100 and were further raised to 130 in 1970. To implement the Central Educational Institution (Reservation in Admission) Act 2006 LHMC increased under graduate admissions to 150 in 2008 and now 200 every year.

Presently LHMC is admitting 152 PG candidates, 4 seats of MCH Pediatric Surgery and 4 seats of DM Neonatology.

Infrastructural Development

The Comprehensive Re-development Plan which was stalled for the last four years has been restarted and its implementation has begun in full swing. This single project has unleashed the power to comprehensively transform our Institutional capacity by creating a new platform of the quality patient care and combine it with state of art teaching and research infrastructure in times to come.

Important Achievements in the year 2018

- LHMC & SSKH has started admitting and

treating the patients under the Pradhan Mantri Jan Arogya Yojna.

- A Thalassemia Transition Care Model on a collaborative basis between the Department of Medicine and Paediatrics has been developed in order to smoothen the delivery of thalassemia care to adolescents, maturing into adulthood.

New Initiatives undertaken

- A Genetic Diagnostic Center named NIDAN Kendra is coming at LHMC for conducting prenatal molecular diagnosis and Cytogenetics. This will go a long way in prenatal diagnosis, prevention and treatment of genetic disorders.
- Department of Microbiology, has been approved for establishment of Virus Research & Development Laboratory by Department of Health Research, Ministry of Health & Family Welfare, Govt. of India to act as an advanced centre for training of health professionals and develop infrastructure and expertise for timely identification of increasing number of viral threats with potential for outbreaks and significant morbidity.

Special Achievements/Major Events

- Preventive awareness program for mitigation of tobacco related disease burden: Awareness building activities have been organized under

the aegis of the Department of Dentistry and Maxillofacial Surgery and the Department of Chest Diseases.

- Department of accident & Emergency organized “Jan Chetna Avom Swasthya Shivar” at India International Trade Fair w.e.f. 14.11.2018 to 27.11.2018 at Pragati Maidan, New Delhi.
- LHMC and Associated Hospitals participated in medical exigencies during Independence Day, Republic Day, Diwali, Bharat Parv, Krishi Unnati Mela, International Solar Summit, IITF 14th to 28th November, 2018, Partners Forum 10th to 14th December, 2018.

Advancement of Machinery & Equipment

- Procurement of machinery and equipment for hospital and college has been done worth Rs. 24 crores (Approx.).
- 3 TESLA MRI machines have been installed and procurement of rest of equipment has significantly improved the patient care services.
- Internet connectivity from NKN has significantly improved the teaching and patient care services including HMIS.

Indoor as well as OPD facilities

The OPD turnout along with detail of patients admitted indoor by the SSKH during the year 2018 is as per the following tabular format: -

Sl. No.	Department	Indoor Patients	OPD Patients	Operation		Bed Occupancy	Average Duration of stay
				Major	Minor		
1	Gynaecology	2695	67190	797	557	78.0%	7.6
2	Family Welfare	358	4000	962	-	-	-
3	Obstetrics	19802	59850(ANC) 2564(PNC)	4388	7318	111.0%	5.6
4	Medicine	7417	143873	-	-	72.3%	3.2

5	Surgery	4991	53523	1500	94	101.2%	5.0
6	Orthopaedics	1563	71177	445	27	60.4%	8.1
7	Ophthalmology	966	45631	826	10	31.0%	3.5
8	Dental	265	24708	72	117	Bed not specified	-
9	ENT	1063	44442	807	207	30.4%	3.7
10	Psychiatry	680	33032	-	-	78.9%	3.7
11	Skin & STD	431	66199	-	-	78.9%	10.7
12	Khichari Pur (H.C)	-	27223	-	-	-	-
13	Gynae Casualty	-	18721	-	-	-	-
14	A/E Casualty	-	129163	-	-	-	-
Total		40231	791296	9797	8330	86.7%	5.3

ACADEMIC ACTIVITIES

Under-graduate Students Achievements:

The details of pass percentage and position holders, are indicated below:

Sl. No.	Examination	Number of Students Passed	Pass Percentage
1.	I MBBS	198	97.00%
2.	II MBBS	176	84.00%
3.	III MBBS Part-I	166	83.40%
4.	III MBBS Part-II	176	90.72%

Post Graduate Students on Roll

Sl. No.	Specialty	No of students on roll 2018	No of students admitted in 2018
1	Anesthesia	29	10
2	Anatomy	04	2
3	Biochemistry	03	-
4	Community Medicine	14	07

5	Dermatology	13	05
6	Forensic Medicine	04	02
7	General Medicine	48	15
8	Generalsurgery	32	11
9	Obstetrics and Gynecology	48	16
10	Pediatrics	62	25
11	Pharmacology	06	02
12	Pathology	21	07
13	Microbiology	06	06
14	Radiology	18	06
15	Physiology	03	03
16	Orthopedics	15	05
17	Ophthalmology	12	03
18	E.N.T.	12	04
19	Psychiatry	09	03
20	M.D.S.	04	02
21	D.M. (Neonatology)	12	04
22	M.CH.(Pediatric Surgery)	12	04



Convocation Ceremony 2018 of LHMC with Hon'ble Vice President of India as the Chief Guest

In this year 105 students passed their final examination of M.D./M.S. in various specialities. Pass percentage for postgraduate degree was 92.92%. For super specialities, 08 students passed final examination in D.M./M.Ch. with a pass percentage of 100%.

15.6 KALAWATI SARAN CHILDREN'S HOSPITAL

Introduction

Kalawati Saran Children's Hospital is a premier referral children's hospital of national importance. The hospital started functioning in the year 1965 for imparting medical care service exclusively for Paediatric patients up to 18 years of age. At present it has 375 beds. Under the scheme for the improvement of KSCH (JICA) the bed strength of this hospital is being increased to 500.

Kalawati Saran Children's Hospital is one of the busiest children hospitals in the country and caters to a daily OPD attendance of 800-1000 children, and 80-100 new admissions per day from Delhi and neighbouring States. The hospital is a Sentinel Centre for Poliomyelitis, Tetanus and Measles. It has state of art Pediatric Intensive Care and a separate Pediatric Emergency with direct inflow of patients round the clock. It also houses the Diarrhea Training and Treatment Unit, the first such unit in the country, which has also been recognized by WHO and Govt. of India as a training centre for diarrhoeal diseases. The hospital has also served as a training centre for ARI, UIP and other National Health Programmes.

Neonatal wing of the hospital, with 80 beds catering to 12,000 deliveries a year, is providing state of art services for premature and sick newborns including ventilator care. The Institution is a super speciality hospital in real sense with its fully developed sub-specialties like Neurology, Nephrology, Gastroenterology & Nutrition, Hematology, Pulmonology and Endocrinology.

Indo-Japan Friendship Block of Kalawati Saran Children's Hospital has been constructed to improve OPD Emergency Pediatric ICU, laboratory

services, child and adolescent health promotion clinic, Physical Medicine & Rehabilitation services are also housed in this new block building. The latest equipment for various sections of the hospital has been housed in this block. Thus this block has been helpful in easing out the problem of inadequate space and technological upgrading of the Institution.

The Hospital has established with the approval of Ministry of Health & Family Welfare, a “**National Nutritional Rehabilitation Resource and Training Centre**” with the support of UNICEF. The Centre has 12 dedicated beds for management of Severe Acute Malnutrition (SAM). The Centre has organized two national level Training of Trainers on the request of Ministry of Health & Family Welfare.

Kalawati Saran Children's Hospital is designated the National Nodal Centre for Facility Based Newborn Care.

Infant and Young Child Feeding Counseling Centre was started in Kalawati Saran Children's Hospital to strengthen IYCF practices. Autism evaluation cell was started in the Hospital. Hemophilia follow-up clinic facilities are provided on first Wednesday (afternoon) of every month in the Department of Physical Medicine & Rehabilitation Department. Once a month after completion of therapy (ACT) clinic for follow-up of children treated for lymphoma and leukemia was started in the first Monday of every month.

The statistics of Kalawati Saran Children's Hospital for the period w.e.f. 1/4/18 to 31/3/19 is as under :-

Sl.No.	Particulars	
1	Bed Strength	375
2	OPD Attendance	278731
3	Casualty	58326
4	Bed Occupancy	133.34
5	Surgery-Major	2215
6	Surgery-Minor	3447
7	Indoor Patients	31587
8	Neonatal & Nursery Care	3079

Major Achievements

- Sanctioning of 20 bedded Pediatric Nephrology Unit under Department of Paed.
- Recognition of MD courses (21 seats) by Medical Council of India (MCI) in Department of Paed.
- Started mandatory implementation of WHO safety check list for surgical patients in OT and Paed. Surgery Ward.

Success Stories

- New Gas Manifold Plant has been constructed with increased storage capacity of Liquid Oxygen Gas through centralized gas pipe line to all the Wards/Units/OTs of the Hospital.
- Mechanized cleaning facility started with addition of one Ride-on Scrubber and three Mini Scrubber Automated cleaning machines.
- New Medical Store has been constructed for proper storage of Medicines/Drugs.
- Started Continence Care Clinic and Pediatric Surgery Solid Tumor Oncology clinic on alternate Mondays of every month.



HOD, Dept. of Ped. Surgery, AIIMS, presenting workshop certificate to Dr. Peter Daniel Khariong at Laparoscopic Workshop, in KSCH, May, 2018.



HOD, Dept. of Ped. Surgery, LHMC, presenting instructor certificate to Dr. Vijay Kundal at Laparoscopic Workshop in KSCH organised by Dept. of Ped. Surgery, LHMC, May, 2018.

New Initiatives

- Establishment of facility for extending benefits of Pradhan Mantri Jan Arogya Yojana under the Ayushman Bharat Yojana of Ministry of Health & Family Welfare.
- Centre for Adolescent health has been designated as WHO Collaborating Centre for training and research in adolescent health.
- Quality Improvement (QI) Cell was established in Department and observed 2018 as the year of Quality Improvement. Several training Workshops are being conducted for doctors and nurses of KSCH and other hospitals of Delhi.
- Assessment of Maternal Nutritional Status & Counseling of mother to improve their nutritional status at NRC & IYCF.
- Bedside portable EEG machine for care of children.
- Up gradation of Emergency registration services.
- Up gradation of patient waiting area.
- May I Help You Counter has been established for providing assistance to the visitors.

15.7 PGIMER AND DR. RAM MANOHAR LOHIA (RML) HOSPITAL, NEW DELHI

Introduction

Originally known as Willingdon Hospital and Nursing Home since 1932 and later renamed as Dr. Ram Manohar Lohia Hospital, the hospital has been expanded to a 1447 bedded hospital, spread over an area of 37 acres of land. The hospital caters to the needs of C.G.H.S. beneficiaries, MPs, Ex-MPs, Ministers, Judges and other V.V.I.P. dignitaries besides other general patients. The Nursing Home, including Maternity Nursing Home, has 75 beds for the CGHS and other beneficiaries.

The hospital provides health care services to approx. 17.39 lakh outdoor patients including emergency and casualty and admitted around 69,554 indoor patients during the period from January, 2018 to September, 2018.

The hospital has round-the-clock emergency services and policy not to refuse any patient

requiring emergency treatment irrespective of the fact that beds are available or not. All the services in the hospital are free of cost excepting nursing home treatment and some nominal charges for specialized tests.

Further, the total number of Lab investigations and X-rays carried out during the period January to September, 2018 was 10,16,464 and 1,17,388 respectively.

Services

The hospital provides services in various specialties and super specialties covering almost all the major disciplines.

Post Graduate Institute of Medical Education & Research (PGIMER)

Post Graduate Institute of Medical Education & Research started functioning from the academic year 2008-2009 with an objective to provide post graduate teaching in the science of modern medicine and other allied sciences, including physical and





biological sciences and also to facilitate research in various branches of such Sciences. This Institute is presently affiliated to Guru Gobind Singh Indraprastha (GGSIP) University, Delhi. In the year 2008, the Government of India sanctioned a total of 28 PG degree/diploma seats and 2 seats in super-specialty courses. At present, it has 168 seats of PG degree/diploma courses and 39 seats for super specialty courses.

Medical Education Technology (MET) has been made functional in the Auditorium of PGIMER. Further construction of New Hostel Block in PGIMER is underway at a total cost of Rs.181.00 Crore with 824 rooms.

New Achievements

- Now, Dr. RML Hospital has functional Super Specialty OPD.
- Medical Super Specialty Ward has been made functional.
- EFC amounting to Rs. 572.61 has been approved for construction of Super Specialty Block with 3 basements, 1 ground floor and 17 floors.
- Multi-Specialty Hospital will be constructed by NDMC with 272 Beds and 7 Operation Theatres in Moti Bagh in two years' time and it has been decided that the said Hospital will be run by Dr. RML Hospital.
- Lithotripsy Clinic has been started in the Department of Urology. Further, Urology Ward and OPD have been renovated.
- 3 Emergency OT Tables have been provided in ECS building.
- Microbiology Lab has been renovated and shifted to the 3rd floor of OPD building.
- Day Care Unit has been started for the Cardiology patients.



- Blood Bank has been expanded to accommodate more blood donors.
- Ophthalmology OPD has also been renovated.
- Swachhta Pakhwada was observed in Dr. RML Hospital and Disabled friendly toilets are under construction.

15.8 NATIONAL INSTITUTE OF MENTAL HEALTH & NEURO SCIENCES, (NIMHANS), BENGALURU

NIMHANS is a tertiary care hospital in the fields of psychiatry, neurology and neurosurgery with their allied fields, teaching, research and community oriented activities are the main thrust of the Institute. The objective of the Institute is to provide comprehensive patient care services and to promote the growth and development of Mental Health and Neuro Sciences. During the year 2018-19, a total of 5,65,982 patients from various parts of the country and across the world

received specialized medical care at the Institute for psychiatric and neurological problems. About 75% of the patients received the treatment at no cost or at highly subsidized cost. Extension services were sought by 3,795 patients at Gunjur, Maddur, Kanakpura, and Sakalawara taluks". Further, Tele-consultation (After Care) and CAM regular Tele follow-up occurred for 15,000 patients i.e. direct consultation between doctors at NIMHANS and patients. Tele-OCT+VKN Tele-ECHO+Digital Academy sessions+e-consults accounted for 6500 wherein, tele-consultations in which NIMHANS doctors jointly saw patients along with PCDs as part of their training.

15.9 CENTRAL INSTITUTE OF PSYCHIATRY (CIP), RANCHI

The Central Institute of Psychiatry, Ranchi is a premier Institute in the field of Mental Health in India. It provides clinical services for mental and neurological disorders, trains manpower in the field of mental health including 09 MD and 18

DPM in Psychiatry, 4 PhD and 18 MPhil in Clinical Psychology, 12 MPhil in Psychiatric Social Work and 18 Diploma in Psychiatric Nursing and carries out research programmes. The Institute has a bed capacity of 643 patients with in-patient admission of 4018 in 2018 and total OPD attendance of 92901. The services provided by the Institute include clinical care, special clinics including addiction psychiatry, child and adolescent psychiatry, geriatric psychiatry (20 such clinics), community outreach programmes, emergency services etc. In addition to these, redevelopment activities include installation of state of art 3 Tesla fMRI system, deep brain stimulation, carrying out various extramural projects in the field of mental health and neuroscience research.

15.10 PRADHAN MANTRI SWASTHYA SURAKSHA YOJANA (PMSSY)

Introduction

The Pradhan Mantri Swasthya Suraksha Yojana (PMSSY) aims at correcting the imbalances in the availability of reliable and affordable healthcare facilities in different parts of the country in general, and augmenting facilities for quality medical education in the under-served States in particular. PMSSY, a Central Sector Scheme, has two components:

(A) Setting up of AIIMS like institutions: Total 22 new AIIMS have been announced so far.

- Six AIIMS (AIIMS-Bhopal, AIIMS-Bhubaneswar, AIIMS-Jodhpur, AIIMS-Patna, AIIMS-Raipur and AIIMS-Rishikesh) approved under Phase-I are functional.
- Sixteen (16) additional AIIMS announced so far; out of which 15 already sanctioned; 01 more AIIMS in Bihar - awaiting land allotment.
 - o Project Management Consultants (PMC) appointed for 11 AIIMS Projects out of which tender also awarded for 8 projects.

- o OPD services started in AIIMS Raebareli, AIIMS Mangalagiri and AIIMS Gorakhpur in 2018-19.
- o Academic session for MBBS course at AIIMS, Mangalagiri and AIIMS, Nagpur has been started with 50 students in 2018-19.

(B) Up-gradation of existing State Government Medical College/Institutions

75 Projects have been considered under this component.

- Upgradation of 16 GMCs have been completed during this year in addition to 15 GMC Projects completed in previous years.
- 17 new Government Medical Colleges/Institutes taken up for up-gradation under Phase-IV, V(A) & V(B) out of which work has been awarded for 13 GMCs up-gradation projects.

Setting up of new AIIMS

Phase-I: In the first phase of PMSSY, establishment of six AIIMS, one each at Bhopal, Bhubaneswar, Jodhpur, Patna, Raipur and Rishikesh was taken up at an approved cost of Rs.820.00 crore per AIIMS. Academic sessions for MBBS at the six AIIMS have started in September, 2012 for 50 students and 100 students each in subsequent years and B.Sc (Nursing) for 60 students from September, 2013. During the year, first Convocation Ceremony of four AIIMS viz. Bhopal, Bhubaneswar, Jodhpur and Rishikesh was held to award degrees to MBBS students and B.Sc. (Nursing) students.

Almost all Speciality and Super Speciality Departments are functional in six AIIMS. Also 1532 hospital beds and 422 PG seats added during the year.

The present status of Speciality and Super Speciality Departments of six AIIMS is brought out in the table below:

Sl. No.	AIIMS	HOSPITAL FACILITIES				
		No. of Beds (Out of 960)	No. of MOT		No. of Super Speciality Functional (Out of 17)	No. of Speciality Functional (Out of 18)
			Sanctioned	Functional		
1	Bhopal	574	24	11	13	18
2	Bhubaneswar	792	25	1	16	18
3	Jodhpur	700	30	4	15	18
4	Patna	650	28	11	13	18
5	Raipur	600	28	18	12	18
6	Rishikesh	880	25	15	17	18

Basket of services in six AIIMS has expanded over the years and presently, on an average, more than 12000 patients visit OPD every day and about 2600 major surgeries are getting performed every month in these six AIIMS. The growth in healthcare services over the years in these six AIIMS is depicted in the below graphs:

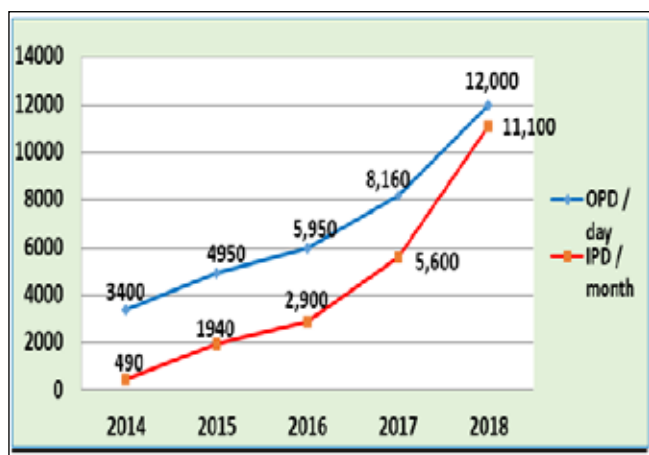


Figure 1 Six AIIMS- OPD & IPD Census

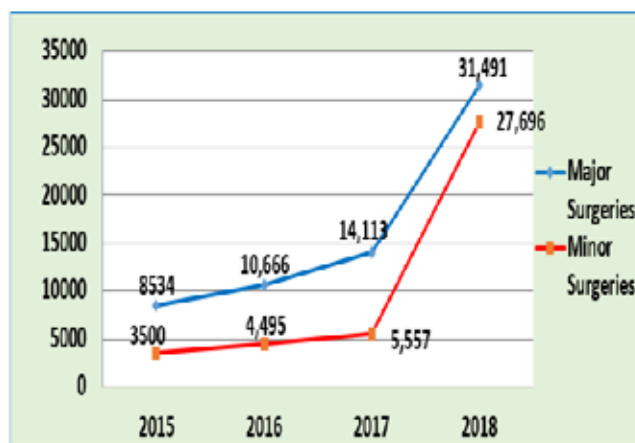


Figure 2 Six AIIMS- Surgeries - Major & Minor

Phase-II, IV, V, VI & VII :

Under these Phases, sixteen (16) additional AIIMS have been announced, out of which 15 AIIMS have been sanctioned / approved by Cabinet. The details including their current progress is mentioned in the below table:

Phase	AIIMS	Date of Cabinet Approval	Approved Cost (Rs.)	Approved Timeline	Status and Progress of work As on 1st June 2019
Phase-II	AIIMS, Raebareli (UP)	05.02.2009 [Revised Cost Estimates (RCE) was approved by EFC on 22.06.2017]	823 cr	March, 2020	<ul style="list-style-type: none"> OPD inaugurated by Hon'ble PM on 16.12.2018. Medical College / Hospital: 29%
Phase-IV	AIIMS, Mangalagiri (Andhra Pradesh)	07.10.2015	1618 cr	60 Months Sep, 2020	<ul style="list-style-type: none"> OPD Block & Residential Complex: 65% Hospital and Academic Campus : 22% New MBBS batch (50 students) started in August, 2018. OPD started in March, 2019.
	AIIMS, Nagpur (Maharashtra)	07.10.2015	1577 cr	60 Months Sep, 2020	<ul style="list-style-type: none"> OPD Block & Residential Complex : 70% Hospital and Academic Campus : 24% New MBBS batch (50 students) started in August, 2018. OPD Completion was targeted by Jan'19. Work still going on.
	AIIMS, Kalyani (West Bengal)	07.10.2015	1754 cr	60 Months Sep, 2020	<ul style="list-style-type: none"> OPD Block & Residential Complex: 46.5% Hospital and Academic Campus: 21.5%
	AIIMS, Gorakhpur (Uttar Pradesh)	20.07.2016	1011 cr	45 Months April, 2020	<ul style="list-style-type: none"> Construction in EPC Mode in progress (27.10%). OPD Services started in Feb, 2019.
	AIIMS, Bathinda (Punjab)	27.07.2016	925 cr	48 Months June, 2020	<ul style="list-style-type: none"> Construction in EPC Mode in progress (18.78%).
	AIIMS, Guwahati (Assam)	24.05.2017	1123 cr	48 Months April, 2021	<ul style="list-style-type: none"> Master Plan & Concept Design finalized. Work of land filling under process by State Govt. Tender awarded under EPC mode on 18.01.2019.

	AIIMS, Bilaspur (H.P)	03.01.2018	1351 cr	48 Months Dec, 2021	<ul style="list-style-type: none"> Boundary wall work in progress. Design consultant appointed. Master plan finalized. Tender awarded under EPC mode on 23.01.2019.
	AIIMS, Madurai (Tamil Nadu)	17.12.2018	1264 cr	45 Months Sep, 2022	<ul style="list-style-type: none"> Site finalized Pre-investment work in progress.
	AIIMS, Bihar	—	1200 cr (Tentative)	—	State Government yet to identify suitable land
	AIIMS Samba (Jammu)	10.01.2019	1661 cr	48 Months Jan, 2023	<ul style="list-style-type: none"> Pre-investment activities in progress. Design Consultant appointed.
	AIIMS Awantipora (Kashmir)	10.01.2019	1828 cr	72 Months Jan, 2025	<ul style="list-style-type: none"> Pre-investment activities in progress.
Phase-VI	AIIMS, Deoghar (Jharkhand)	16.05.2018	1103 cr	45 Months Feb, 2022	<ul style="list-style-type: none"> Pre-investment activities in progress. Executing Agency for main work appointed. Design Consultant appointed. Master Plan finalized.
	AIIMS, Rajkot (Gujarat)	10.01.2019	1195 cr	45 Months, Oct, 2022	<ul style="list-style-type: none"> Site finalized Pre-investment activities in progress.
	AIIMS, Bibinagar (Telangana)	17.12.2018	1028 cr	45 Months Sep, 2022	<ul style="list-style-type: none"> Site finalized and Pre-investment work in progress.
Phase-VII	AIIMS, Manethi (Haryana)	28.02.2019	1295 cr	48 Months, Feb, 2023	<ul style="list-style-type: none"> Encumbrance free land being handed over by State Govt.

A Central Institute Body has been created and empowered to take common policy decisions concerning all AIIMS, bring uniformity in policies across all AIIMS, facilitating effective Governance of the AIIMS.

A Visiting Committee under the Chairmanship of Dr VK Paul has been constituted to identify gaps and help institutionalize systems for training, handholding and Faculty exchange programmes

and making efforts to create AIIMS like “Culture of Excellence” in new AIIMS.

UPGRADATION OF GOVERNMENT MEDICAL COLLEGES

Upgradation programme broadly envisages improving tertiary health infrastructure through construction of Super Specialty Blocks/Trauma Care Centres etc. and procurement of medical equipment for existing as well as new facilities

on Central and State share basis. The programme for upgradation of 75 Government Medical Colleges/Institutions (GMCI) broadly includes the (i) Construction of Super Specialty Blocks/Trauma Care Centres, (ii) Procurement of Medical equipment.

Phase-I: 13 Government Medical Colleges have been taken up for upgradation under PMSSY Phase-I, at an approved outlay of Rs.120 crore each (Central share-Rs.100.00 crore and State share – Rs. 20.00 crore except GMCs at Jammu and Srinagar (where central share is Rs.115.00 crore per GMC) SVIMS Tirupati where central share was Rs.60.00 crore. Upgradation work at all these GMCs has been completed.

Phase-II: Six Government Medical Colleges were taken up for upgradation under PMSSY Phase-II, at an approved outlay of Rs.150.00 crore each (Central share- Rs.125.00 crore and State share-Rs.25.00 crore). Upgradation work at all these GMCs has been completed except in PGIMS Rohtak.

Phase-III: Central Government has approved upgradation of 39 Government Medical Colleges under PMSSY Phase-III on 07.11.2013, at an approved outlay of Rs.150.00 crore (Central share – Rs.120.00 crore and State share-Rs. 30.00 crore) per GMC. HSCC/ HITES/CPWD have been selected as Executing Agency for civil work at these GMCs. HITES has also been engaged as Procurement Support Agency (PSA) for procurement of medical equipment for these GMCs. Construction work in all these GMCs was started in 2016 and 2017. The work in 13 GMCs, viz. Vijayawada, Jabalpur, Rewa, Latur, Berhampur, Patiala, Hubli, Kota, Bikaner, Thanjavur, Tirunelveli, Gorakhpur and Meerut has been completed during the year. At remaining GMCs, the civil and procurement works are in progress.

Phase-IV: Cabinet committee on Economic Affairs has approved upgradation of 13 existing Government Medical Colleges/Institutes (GMCI) at the cost of Rs. 200.00 crore each (Central Share:

Rs. 120.00 crore; State share: Rs. 80.00 crore) under Phase-IV of PMSSY. Out of these, Executing Agencies have been appointed for 12 GMCI. DPRs have been approved for 12 GMCI. Out of these, work has been awarded and the construction work is in progress in 10 GMCI.

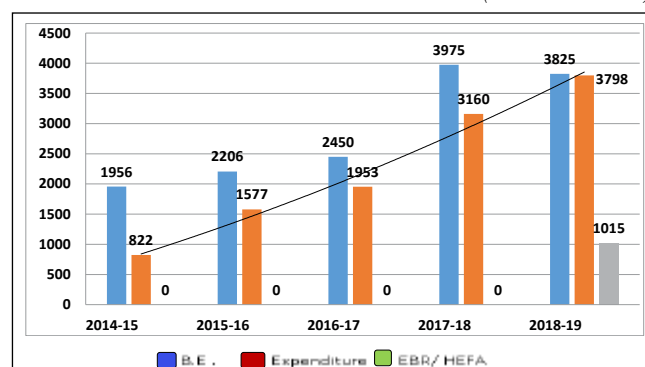
Phase-V(A) & Phase V(B): Ministry has approved upgradation of IMS, BHU at the cost of Rs. 200.00 crore (MoHFW's Share: Rs. 120.00 Crore, MoHRD's share: Rs. 80.00 crore) and SCTIMST, Thiruvananthapuram at the cost of Rs. 230.00 crore (MoHFW's Share: Rs. 120.00 Crore, DST's share: Rs. 110.00 crore) under Phase-V(A) of PMSSY. Work has been awarded for both the projects and construction is in progress.

Apart from the above, this Ministry has also approved setting up of a Regional Institute of Ophthalmology, IMS, BHU, Varanasi at the cost of Rs. 38.58 crore and upgradation of IGIMS, Patna at a cost of Rs. 178 Crore (Centre's Share: Rs. 106.8 Crore, State's Share: Rs. 71.2 Crore) under Phase V(B).

FINANCIAL PROGRESS

The absorption capacity of the PMSSY Scheme has substantially improved with 46% Year-over-Year increase in expenditure over the last 4 years, as brought out in the following graph.

(Rs. in Crore)



Budget Estimates / Expenditure Trend under PMSSY

The budget utilization position has also seen remarkable improvements over last 4 years, touching 99.3% during last year.