

Brief Profile

Dr. Pawan Kumar (MBBS, MD, DNB, MBA, PGDHFWM, PGDHM, MNAMS, MAHA)

- **Additional Director**
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Directorate General of Health Services
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Mobile: **+91-8745011245**, email id: **drpawan2000@gmail.com**
- **Technical Advisor/OSD** to Department of Health & Family Welfare, GNCTD
- **Treasurer**, Indian Society of Hospital Waste Management (ISHWM)
- **General Secretary**, Association of Community Health & Hospital Administrators (ACHHA)
- **Associate Editor** (Journal of Advance Research in Medicine)



Profile summary-

He started his career as Medical Officer in Central Health Services in year 2000 selected through Combined Medical Services Examination (CMSE) conducted by UPSC. At present, He is working as Technical Advisor to Department of Health & Family Welfare, Delhi Government for various health projects related to Hospital Administration & Public Health. He is Additional Director at Directorate of Health Services, Government of NCT of Delhi, having experience of 20 years at various positions in health department. He has rich experience of working in Health Care Management/Public Health ranging from lower level (Primary Health Care) to the State level (Planning, Policy, Implementation and Monitoring). He has worked as State Programme Officer (NRHM) in Delhi State Health Mission & Central Cell Coordinator (IPPIP) in Department of Family Welfare for long duration. He was responsible for planning, implementation, monitoring of various National Health programmes/activities like IDSP, RCH-II, NRHM & Bio-medical waste management etc in health facilities. He has trained doctors and paramedical staff for various National Health programmes in Delhi State. He has contributed in evaluation of national health programmes/ schemes at the country level, published/presented more than 75 research papers in national and International journals/conferences, written chapters in books in the area of public health and health care management on highly innovative topics. He is associate editor for Journal of Advance Research in Medicine (JoARM). As a part of community health education programme, he has contributed as panelist in TV Channels like DD, Lok- Sabha and Total TV for discussion on issues of public health importance on several occasions in the country. He is life member of national professional bodies like IAPSM, IPHA, IMA, AGI, Indian Society of Hospital Waste Management (ISHWM), ACHHA, Academy of Hospital Administration (AHA), International Epidemiological Association (IEA) & Epidemiological Foundation of India (EFI). He was awarded for Best Doctor for the implementation of Leprosy Programme in Delhi by Honorable Health

Minister, Government of Delhi in 2004. During his tenure as Programme Officer, he organized health Camps/Melas/ debates on issues of public health importance like Bio-medical waste management, Antimicrobial Resistance (AMR) & environment pollution etc. His areas of interest are Public Health, Epidemiology, Patient Safety, Bio-Medical waste management, Antimicrobial Resistance, Climate change and its impact on human life and Scientific Writing. He is contributing as member of advisory group in drafting of Strategic Action Plan for Combating Antimicrobial Resistance in Delhi. He is recipient of more than 19 awards at National/ State level among which few important once are; in year 2015, he was conferred with State Award for meritorious services in Health Sector, Department of Health and Family Welfare, Govt. of NCT of Delhi by Hon'ble Dy. Chief Minister. He was awarded with National MedscapeIndia 2017 award "Excellence in Public Health" at Mumbai in 2017. He was awarded President's Gold Medal Award for topper in the DNB exam in year 2018 and received Doctors day appreciation award 2019 from Delhi Medical Association for the outstanding services and supporting medical fraternity on the occasion of Annual Conference & Doctors Day Celebration in Delhi.

- **Awards/ Appreciations-**

1. *Felicitated and awarded by University College of Medical Sciences and GTB Hospital in 41st AOGD Ore-congress endoscopy live workshop & FOGSI Fertility enhancing Endoscopy workshop held on 27th September, 2019 at Library hall, UCMS-GTB, New Delhi.*
2. *Received Doctors day appreciation award from DMA (Rohini Branch) for the outstanding services and supporting medical fraternity on the occasion of Annual Conference & Doctors Day Celebration on 15th September, 2019 at Hotel Crown Plaza, New Delhi.*
3. *Received DMA appreciation award for the outstanding services and supporting medical fraternity on the occasion of 61st Annual Delhi State Medical Conference by Delhi Medical Association, NACON 2019 on 24th March , 2019 at Hotel Le-Meridien, New Delhi*
4. *Received Bursary Award from International Epidemiological Association (SEA) in the 13th IEA SEA regional scientific meeting and International Conference on Public Health and Sustainable Development held at Prime Plaza Sanur, Bali, Indonesi, October, 2-5, 2018.*
5. *Received Presidents Gold Medal for topping the DNB examination in Health and Hospital Administration at Convocation function held at Vigyan Bhawan on 21/09/2018 in the presence of Vice-President of India, Union Health Minister, Ministry of Health & Family Welfare, Government of India.*
6. *Received appreciation award in the first International Conference on Mass Disaster and Emergency Management organized by national Task Force for Disaster Management in association with Kingsmead School, England at Dyal Singh College, University of Delhi on 21.04.2018.*

7. Received DMA Distinguish Service Award on the occasion of World Health Day on 08.04.2018.
8. Received MedscapeIndia 2017 National award "Excellence in Public Health" at a function held in Mumbai on 04.11.2017.
9. Special guest at Government Achievements & Schemes Expo 2017 organized by NNS Media group at Pragati Maidan, New Delhi, 14th- 16th July, 2017.
10. Received Medical Excellence Award from Delhi Medical Association on the occasion of Doctors Day held at DMA Auditorium on 2nd July 2017
11. Received Distinguished Services award from Delhi Medical Association on 59th Annual Award Ceremony on 1st January, 2017.
12. Received DMA Distinguished Services award from Delhi Medical Association on the occasion of 102nd Foundation day 21st August, 2016.
13. Received State Award for meritorious services in Health Sector, Department of Health and Family Welfare, Govt. of NCT of Delhi from Hon'ble Chief Minister, Delhi, 20th October, 2015,
14. Received Gold Medal and Certificate for being topper in MD examination by Delhi University (Community Health Administration) by Hon'ble Union Health and Family Welfare Minister (9th March, 2015).
15. Received appreciation certificate for successful organization and exemplary work done for the Jashn- E- Azadi programme for organ donation, blood donation, and health checkup at Delhi Secretariat on the eve of Independence Day in 2014.
16. **Award for Best Doctor in recognition of contribution towards Leprosy Elimination in Delhi**
 - Given by: Honorable Health & Family Welfare Minister, Department of Health and Family Welfare, Government of Delhi (**December 2004**)
17. **Certificate of appreciation for commendable contribution in Intensified Pulse Polio Immunization Programme (IPPIP) in Delhi**
 - Given by: Honorable Health & Family Welfare Minister, Department of Health and Family Welfare, Government of Delhi (**2001 – 2002**)
18. **Certificate of appreciation for commendable contribution in Intensified Pulse Polio Immunization Programme (IPPIP) in Delhi**
 - Given by: Honorable Health & Family Welfare Minister, Department of Health and Family Welfare, Government of Delhi (**2002 – 2004**)
19. **Merit Certificate in recognition of contribution towards Leprosy Elimination in Delhi**
 - Given by: Director, Directorate of Health Services, Government of NCT of Delhi (**2003 – 2004**)

Activities/Task/Projects handled as a Technical Advisor/OSD to DoHFW, Govt. of NCT of Delhi

1. Implementation of Mohalla Clinics in Delhi

2. Remodeling of Delhi Govt. Hospitals and Polyclinics
3. Assured free drug availability as per EDL of Delhi Govt. Hospitals
4. Assured free Radiological diagnostics tests
5. Assured free surgeries/surgical interventions in private hospitals under Delhi Arogya Kosh
6. Good Samaritans/ appreciation letter/awards to good Samaritans
7. Implementation of Delhi Health Act
8. Universal Health Coverage/Health Insurance
9. Free treatment to Road Traffic Accidents/ Acid victims/ thermal injuries
10. Policy of Hospital Managers
11. Public Grievance handling
12. Control of vector borne disease like dengue, Malaria & Chikungunya etc

● **Details of Research carried out and paper published in National and International Journals-**

1. Deep Inder, **Pawan Kumar**. Comparative study of evaluation of self medication(SM) practices among dental students in a tertiary Care Dental Teaching Institute in Delhi. Journal of Education and Ethics in Dentistry. (Accepted on 20.08.19)
2. Inder D, **Kumar P**. Severe hypersensitivity reaction with erythromycin ethylsuccinate: A case report. Indian J Case Reports. 2019; 02-Oct [Epub ahead of print].
3. Sharma N, Khanna A, Chandra S, Mariam W, Basu S, **Kumar P**, et al. Partnership in tuberculosis control through involvement of pharmacists in Delhi: An exploratory operational research study. Indian J Pharmacol 2019;51:168-72.
4. Deep Inder, **Pawan Kumar**. A Study of Drug Utilization Pattern (DUP), at Dental Outpatient Department of a Teaching Institution, in South Delhi, India. International journal of Pharmacognosy and Chinese Medicine 2019; 3(3):000174.
5. Deep Inder, Seema Manak, Faiz Akram, **Pawan Kumar**. Skin Rash and Mild Bruising: Is Montelukast a safe drug? Indian Journal of Respiratory Care 2018;7:105-7.
6. Deep Inder, **Pawan Kumar**. The Scope of Nano-Silver in Medicine: A Systematic Review. International Journal of Pharmacognosy and Chinese Medicine ISSN: 2576-4772. 2018; 2(2):000134
7. As Principal Co-Investigator for ICMR study "Barriers to care seeking for childhood pneumonia--- implementation research study" proposed August 2017.
8. As Principal Co-investigator in the project "*Partnership in TB Control through Involvement of Pharmacists in Delhi*" approved by state TB office under State OR Committee, dated 30.03.2017.
9. Nandini Sharma, A Venkat Raman, S Dhaked, **Pawan Kumar**. *Human Resources Challenges in Public Health Services*. South Asian Journal of Human Resource Management 2016; 3(2):173-90
10. Nandini Sharma, A Venkat Raman, Charu Kholi, **Pawan Kumar**. *A comprehensive review of evolution of Human resources for health in public health services in India*. MAMC Journal of Medical Sciences 2016;2:116-21

11. **Pawan Kumar**, Anu Mehra, Deep Inder, Nandini Sharma. *Organizational Commitment and Intrinsic Motivation of regular and contractual primary health care providers*. Journal of Family and Primary Care 2016; 5:94-100.
12. Deep Inder, **Pawan Kumar**. *Pharmacovigilance in India: A rising concern towards safe medication use*. Journal of Advanced Research in Medicine 2015; 2(3): 1-6.
13. **Pawan Kumar**, AM Khan. *Development of Job Satisfaction Scale for Health Care Providers*. Indian Journal of Public Health 2014; 58 (4): 249-55
14. **Pawan Kumar**, Swati Goyal, Deep Inder, Indu Grewal. *Barriers to Career Development of Doctors in District Hospitals*. National Journal of Medical and Dental Research 2014; 2(4): 31-35.
15. **Pawan Kumar**, AM Khan, Deep Inder, Anu. *Provider's Constraints and Difficulties in Primary Health Care System*. Journal of Family Medicine and Primary Care 2014; 3:102-6.
16. **Pawan Kumar**, AM Khan. *Human Resource Management in Primary Health Care System*. Health and Population: Perspective & Issues 2013;36 (1-2):66-76.
17. **Pawan Kumar**, AM Khan, Anu. *Transition of Health Care System in India: Issues and Challenges*. Paper accepted in Indian Journal of Healthcare Quality & Management (IHCQM) Volume 3-4, issue 9, December-June, 2014. RNI No: DELENG/2011/41800, ISSN No. 2278-697X.
18. **Pawan Kumar**, Anu, Deep Inder, AM Khan. *A study of human resource policies and practices under primary health care system in Delhi*. International Journal of Medicine and Public Health 2014; 4(4):430-35
19. **Pawan Kumar**, AM Khan, Deep Inder, Anu. *A comparative study of job satisfaction among regular and staff on contract in primary health care system in Delhi, India*. Journal of Family and Community Medicine 2014; 21:112-18.
20. Deep Inder, **Pawan Kumar**. *Sedative-hypnotic Effect of Ash of Silver in Mice: A Reverse Pharmacological Study*. Paper accepted for publication in Journal of Complementary and Traditional Medicine 2014; Oct-Dec 4(4):268–71
21. **Pawan Kumar**, Mandeep Jot Singh, Vikas Manchanda, Rajnish Kumar, Deep Inder. *Awareness, Perceptions and Practices about Childhood Blindness among Parents visiting a tertiary level children Hospital in Delhi*. Research & Reviews: Journal of Health Professions 2013; 3:6-10.
22. **Pawan Kumar**, AM Khan, Deep Inder, Nandini Sharma. *Job Satisfaction of Primary Health Care Providers (Public Sector) in Urban Setting*. Journal of Family Medicine and Primary Care 2013; 2:227-33.
23. Anu, **Pawan Kumar**, Deep Inder, Nandini Sharma. *Surrogacy and women's right to health in India: Issues and perspective*. Indian journal of public health 2013; 57(2): 65-70.
24. Deep Inder, **Pawan Kumar**. *Influenza A H1N1 Pandemic Vaccine Development in India: an Update*. Global Research Analysis International 2013; 2(3): 144-45.

25. **Pawan Kumar**, Deep Inder. *Intersectoral Convergence under National Rural Health Mission in Delhi: Issues and Challenges*. Journal of Medical Erudite 2013; 1(1): 35-41.
26. Deep Inder, **Pawan Kumar**, Geeta Mourya, Praveen Kumar. *Toxic Epidermal Necrolysis Induced by Diclofenac Sodium in a Dental Patient: A Case Report*. Research & Reviews: A Journal of Dentistry 2013; 4(1): 27-29.
27. Anu, **Pawan Kumar**. *Children's Right to Health in India: Legal Perspective*. International Journal of Scientific Research 2012; 1(6): 91-93.
28. Deep Inder, **Pawan Kumar**. *Recommendations for Medical and Surgical Chemoprophylaxis*. Indian Journal of Applied Research 2012; 2(2): 124-6.
29. Deep Inder, **Pawan Kumar**. *Preventive Modalities in the Management of Obesity: A Review*. International Journal of Scientific Research 2012; 1(3): 85-6.
30. Anu, **Pawan Kumar**. *Female Foeticide and PNDT Act: Issues and Challenges*. Global Research Analysis 2012; 1(2): 37-8.
31. **Pawan Kumar**, AM Khan. *Transition in Human Resource for Health: Challenges Ahead*. IJSR- International Journal of Scientific Research 2012; 1 (2):138-9.
32. **Pawan Kumar**, AM Khan. *Epidemiological transition and emerging conflicts in health care*. GRA- Global Research Analysis 2012; 1(1): 96-7.
33. Deep Inder, Harmeet Singh Rehan, Vijay Kumar Bajaj, **Pawan Kumar**, Navin Gupta, Jasbir Singh. *Analgesic activity and safety of ash of silver used in Indian system of medicine in mice: A reverse pharmacological study*. Indian journal of pharmacology 2012; 44(1):46-50.
34. Deep Inder, HS Rehan, Madhur Yadav, Seema Manak, **Pawan Kumar**. *IFN- α -2a (Interferon) and ribavirin induced suicidal attempt in a patient of chronic HCV: A rare case report*. Indian journal of pharmacology 2011; 43(2):210-211.

● **Details of scientific papers presented in National and International Conference till date.**

1. **Pawan Kumar**. Mohalla Clinics in Delhi: An Innovative Model to Achieve Universal Health Coverage in India. Poster presentation done in the 1st South East Asia Regional group meeting of the International Epidemiological Association & Annual Academic Conference of the College of Community Physicians of Sri Lanka, 2019¹ on 20th September 2019 at Colombo, Sri Lanka.
2. Vinod Srivastava, R Kunwar, Anil C Mathew, CM Pandey, Sujana B Marhatta, Janaki Vidanapathirana, Umesh Kapil, **Pawan Kumar**. IEA-South East Asia Regional Symposium "Epidemiologic Research Capacity Building in South East Asian Countries: Achievements, Challenges and Future Prospects" paper presented in International Epidemiological Association (IEA) Jointly with International Conference of Public Health and Sustainable Development held from October 2, 2018 to October 5, 2018 at Bali, Indonesia.
3. Shalini Kelkar, **Pawan Kumar**. A study on content of antenatal care services provided by subdistrict hospitals or their equivalents and peripheral health facilities in selected district of Delhi. Paper (Oral) presented in IPHA conference at AIIMS, Jodhpur, 24th-26th February 2017.

4. **Pawan Kumar**, Anuja Vasudeva, Deep Inder. *A Comparative Analysis of Work-Life Balance among Male and Female Primary Health Care Providers in Delhi*. Paper presented at 60th (Diamond Jubilee) Annual National Conference of Indian Public Health Association (IPHA)- held at Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Jolly Grant, Dehradun, Uttarakhand, India from 4th to 6th March 2016
5. Deep Inder, **Pawan Kumar**. *A Prospective Pharmacological Study of Tourmanium in Patients of Arthritis*. Paper presented at national conference on Interdisciplinary approaches in chemical sciences on 16th December, 2015 held at Centre for interdisciplinary research in basic sciences, JMI, New Delhi.
6. Deep Inder, **Pawan Kumar**. *Evaluating patterns of self-medication practices among dental students in a teaching dental institution in Delhi*. Presented Poster at 2nd National Conference on Family Medicine and Primary Care on 21st to 22nd November, 2015 at India Habitat Centre, New Delhi.
7. **Pawan Kumar**. *Knowledge, Attitude and Practice (KAP) of Biomedical Waste Management among auxiliary nursing and midwifery in primary health care setting in Delhi*. Paper presented in International Conference on Hospital Waste Management and Infection Control conducted by Deptt of Hospital Administration, AIIMS, New Delhi on 14th -15th November, 2015.
8. **Pawan Kumar**, Anu Mehra, Deep Inder. *Factor affecting job satisfaction and organizational commitment of primary health care providers in Delhi*. Paper presented in 14th World Congress on Public Health at Kolkata from 11th February to 15th February 2015.
9. **Pawan Kumar**, Shankar Prinja. *Assessment of maternal and child health services at sub-centers in rural Haryana*. Paper presented (Poster) in 14th World Congress on Public Health at Kolkata from 11th February to 15th February 2015.
10. Deep Inder, **Pawan Kumar**. *Effects of Selective serotonin reuptake inhibitors (SSRIs) in prevention of depression induced by Interferon- α in patients of chronic Hepatitis C infection*. Paper presented in National Conference on Recent trends in molecular Virology held on 17th to 19th November, 2014 at JMI, New Delhi. Abstract published in Souvenir of conference.
11. **Pawan Kumar**, AM Khan. *Human resource policies and practices in primary health care system of Delhi*. **Paper presented in 58th Annual National Conference of Indian Public Health Association** organized by Department of Community Medicine, Sri Venkateswara Medical College, Tirupati, Andhra Pradesh held on 22nd to 24th January, 2014. Abstract published in Souvenir of conference.
12. **Pawan Kumar**, AM Khan. *Constraints and difficulties for human resource management in primary health care system: Opinion of Policy Makers*. **Paper presented in 58th Annual National Conference of Indian Public Health Association** organized by Department of Community Medicine, Sri Venkateswara Medical College, Tirupati, Andhra Pradesh held on 22nd to 24th January, 2014. Abstract published in Souvenir of conference.
13. **Pawan Kumar**, Tilottama Nischal, Shankar Prinja. *Assessment of functioning of sub-centers in Panchkula district of Haryana*. **Paper presented in 58th Annual National Conference of Indian Public Health Association** organized by Department of Community Medicine, Sri

Venkateswara Medical College, Tirupati, Andhra Pradesh held on 22nd to 24th January, 2014. Abstract published in Souvenir of conference.

14. **Pawan Kumar**, Tilottama Nischal, Shankar Prinja. *Assessment of knowledge and skills for home based post natal care (HBPNC) among Accredited Social Health Activists (ASHAs) in Panchkula District of Haryana.* **Paper presented in 58th Annual National Conference of Indian Public Health Association** organized by Department of Community Medicine, Sri Venkateswara Medical College, Tirupati, Andhra Pradesh held on 22nd to 24th January, 2014. Abstract published in Souvenir of conference.
15. Sandeep, **Pawan Kumar**, Shankar Prinja. *Assessment of Health Management Information System (HMIS) at PHC level in Raipurani block in Panchkula District of Haryana.* **Paper presented in Public Health Conference organized by IPHA Delhi State Branch** at VMMC & Safdarjung Hospital on 21st and 22nd December, 2013. Abstract published in Souvenir of conference.
16. **Pawan Kumar.** *Role of Physiotherapy in Primary Health Care: Opportunities and Challenges.* **Paper presented in 2nd International Conference and workshop on Physical Therapy AIIMS 2013** organized by AIIMS, New Delhi from 12th to 17th December, 2013. Abstract published in Souvenir of conference.
17. **Pawan Kumar.** *Assessment of bio-medical waste management practices in Tertiary Care Teaching Hospital in Delhi.* **Paper presented in 13th Annual Conference of Indian Society of Hospital Waste Management** organized by Bio-medical waste management cell, King George's Medical University, Lucknow from 6th-8th December, 2013. Abstract published in Souvenir of conference.
18. **Pawan Kumar**, AM Khan. *Conflicting Organizational Climate among Regular and Contractual Staff in Primary Health Care System in Delhi.* **Paper presented in XVII Annual conference of North Zone IAPSM organized by IGMC, Shimla (Himachal Pradesh)** on 23rd and 24th November, 2013. Abstract published in Souvenir of conference.
19. **Pawan Kumar.** *Perception of Doctors for Career Development in District Hospitals of Delhi.* **Paper presented in International Conference on Health Care India: Opportunities, Challenges and Innovations**, organized by Institute of Health Management and Research on 3rd to 6th October, 2013. Abstract published in Souvenir of conference.
20. **Pawan Kumar**, AM Khan. *Stakeholder's constraints and difficulties in primary health care system.* **Paper presented in 57th annual IPHA conference & South- East Asia regional public health conference** at Kolkata 1st to 3rd February 2013. Abstract published in Souvenir of conference.
21. **Pawan Kumar**, AM Khan. *Intrinsic motivation and organizational commitment among primary health care providers in Delhi.* **Paper presented in 57th annual IPHA conference & South-East Asia regional public health conference** at Kolkata 1st to 3rd February 2013. Abstract published in Souvenir of conference.
22. **Pawan Kumar**, AM Khan. *Comparative job satisfaction among regular and contractual primary health care providers in Delhi.* **Paper presented in 57th annual IPHA conference &**

South- East Asia regional public health conference at Kolkata 1st to 3rd February 2013. Abstract published in Souvenir of conference.

23. AM Khan, **Pawan Kumar**. *Healthy Public Policy-Opportunities and Challenges*. Paper presented in 9th annual conference of Indian Society for Malaria & other Communicable Diseases and Indian Association of Epidemiologists organized at India Habitat Centre 2nd to 4th November 2012. Abstract published in Souvenir of conference.
24. **Pawan Kumar**, AM Khan, Deep Inder, Nandini Sharma. *An assessment of job satisfaction among health care providers in government dispensaries of Delhi*. Paper presented in 30th annual National conference of Indian Society for Medical Statistics (ISMSCON 2012) organized by department of community medicine, DMCH, Ludhiana 6th to 8th October, 2012. Abstract published in Souvenir of conference.
25. **Pawan Kumar**, Anuja Vasudeva, Neelima Bhagat, Nandini Sharma. *Care in Sickness: The Older Person's Expectations of Filial Responsibilities*. Paper presented on 39th IAPSM National Annual Conference at Dr RP Government Medical College, Kangra at Tanda 27th - 29th February 2012. Abstract published in Souvenir of conference.
26. **Pawan Kumar**, Mandeep Jot Singh, Vikas Manchanda, Rajnish Kumar. *Awareness, Perception and Practices among parents about childhood blindness in Delhi*. Paper presented in 56th Annual National Conference of IPHA organized by IPHA Kerala State branch, 10-12 February, 2012. Abstract published in Souvenir of conference.
27. Neelima Bhagat, **Pawan Kumar**, Anuja Bhagat, Nandini Sharma. *Identifying Individual Factors associated with Female Health Workers Motivation in Delhi*. Paper presented in 54th Annual National Conference of IPHA at 2010 at Andhra Medical College, Visakhapatnam. Abstract published in Souvenir of conference.

● **Chapters in Books**

1. **Pawan Kumar**, AM Khan. *Prospective Approach to Healthy Ageing*. Chapter published in edited book titled **Caring for the Elderly: Social Gerontology in the Indian Context** by Sage Publications 2015: 157-74.
2. **Pawan Kumar**. Chapter on Diabetes Mellitus for students in NCERT Books in collaboration with DGHS, MoHFW & NIHFWS, New Delhi 2014.
3. AM Khan, **Pawan Kumar**, Alka Ganesh. *Care of Elderly- Problems and National Initiatives*. Chapter published in **Text book of Geriatrics** in Social Gerontology section; 2014.
4. **Pawan Kumar**, AM Khan. *Human Resource Development (HRD) for Health Care of Elderly*. Chapter published in edited book titled **Emerging Issues in Gerontology: Relevance and Possibilities** by Bookwell Publisher 2013; 17-42
5. AM Khan, **Pawan Kumar**. *Re-looking Family Transition and Designing New Models of Elderly Care*. Chapter accepted for publication in book on Ageing; 2017.
6. Contributed in **framing of PUHC standards and quality assurance** in under Govt. of NCT of Delhi, 2010.

- **Publication of Books/ Annual Reports**

1. Publishing of Annual Report of Directorate General of Health Services, Govt. of NCT Delhi for FY 2013-14
2. Publishing of Annual Report of Directorate General of Health Services, Govt. of NCT Delhi for FY 2014-15
3. Publishing of Annual Report of Directorate General of Health Services, Govt. of NCT Delhi for FY 2015-16
4. Publishing of Annual Report of Directorate General of Health Services, Govt. of NCT Delhi for FY 2016-17
5. Publishing of Annual Report of Directorate General of Health Services, Govt. of NCT Delhi for FY 2017-18

- **Contribution in National Level Studies at NIHFWS, New Delhi as CHA Resident Doctor**

1. Member for one day workshop on *Universal Health Coverage: Human Resource for Health* at NIHFWS on 29.4.14 funded by MoHFW, GOI
2. Conclave held for curriculum design for Community and Family Medicine in Institutes of National Importance held on December 18th and 19th 2013 at NIHFWS, New Delhi.
3. *Supportive Supervision and Assessment of Quality of Services (MCH) at Sub centre Level under Barwala and Kot Primary Health Centres in Panchkula District of Haryana*. A study conducted in field practice area of PGIMER, Chandigarh, October-November, 2013.
4. *Evaluation of Pradhan Mantri Swasthya Suraksha Yojana (PMSSY) at All India Institute of Medical Sciences, Patna, August, 2013* funded by MoHFW, GOI
5. *Evaluation of Pradhan Mantri Swasthya Suraksha Yojana (PMSSY) at Thiruvananthapuram Medical College, Kerala, September, 2013* funded by MoHFW, GOI
6. *Evaluation of Pradhan Mantri Swasthya Suraksha Yojana (PMSSY) at Kolkata Medical College, Kolkata, September, 2013* funded by MoHFW, GOI
7. *Evaluation of mainstreaming of AYUSH under NRHM in Uttarakhand, December, 2011*, Funded by Government of Uttarakhand

- **Active Member of National & International Academic bodies**

1. **Life member of Indian Medical Association** since 2007
2. **Life member of Indian Association of Preventive and Social Medicine (IAPSM)** since 2011
3. **Life member of Indian Public Health Association (IPHA)** since 2011
4. **Life member of Association of Gerontology (India)** since 2012
5. **Life member of Indian Society of Hospital Waste Management (ISHWM)** since 2013
6. Life member of **Association of Community Health and Hospital Administrators (ACHHA)** since May, 2013

7. Life member of **National Academy of Medical Sciences (MNAMS)** November, 2015
8. Life member of **Academy of Hospital Administration (AHA)**, October, 2017
9. Life member of **International Epidemiological Association (IEA)** since 27.02.2018
10. Life member of **Epidemiological Foundation of India**, 30.09.2019

Activities as Additional Director at Directorate of Health Services, Govt. of NCT of Delhi

1. Attended two days conference of Central Council of Health and Family Welfare organized by Ministry of Health & Family Welfare, GOI at Prithvi Bhawan, New Delhi on 10th -11th October, 2019.
2. Chaired a session on Anti Microbial Resistance in the PEDICON NZ & PCNI 2019 Conference "Emerging trends and Challenges in neonatal & Pediatric care, organized by Indian Academy of Pediatrics Delhi on 28th September, 2019
3. Invited speaker in the SEAIEA symposium titled " Mohalla Clinics: A Community Based Intervention to achieve Universal Health Coverage in Delhi, India" in 1st South East Asia Regional group meeting of the International Epidemiological Association & Annual Academic Conference of the College of Community Physicians of Sri Lanka, 2019' on 20th September 2019 at Colombo, Sri Lanka.
4. Chaired a session on Health Promotion (Free Paper Presentation) in 1st South East Asia Regional group meeting of the International Epidemiological Association & Annual Academic Conference of the College of Community Physicians of Sri Lanka, 2019' on 19th September 2019 at Colombo, Sri Lanka
5. Chaired a session on Group work titled awareness and understanding, Laboratories and AMR Surveillance, Infection Prevention and Control, Research and Innovations in Stakeholders Workshop to Develop Strategic Action Plan to Combat Antimicrobial Resistance in Delhi (SAP-CARD) organized by GNCTD and WHO on 28.08.2019 at Hotel LaLit, New Delhi.
6. Chaired a session on Monitoring and Evaluation in Stakeholders Workshop to Develop Strategic Action Plan to Combat Antimicrobial Resistance in Delhi (SAP-CARD) organized by GNCTD and WHO on 27.08.2019 at Hotel LaLit, New Delhi.
7. Attended two days Stakeholders Workshop to Develop Strategic Action Plan to Combat Antimicrobial Resistance in Delhi (SAP-CARD) organized by GNCTD and WHO on 26th and 27th August, 2019 at Hotel LaLit, New Delhi.
8. Participated as a faculty in Mid Term National Symposium of Indian Association of Leprologists (IAL) organized by Organized by Indian Association of Leprologists (IAL) in collaboration with Bombay Leprosy Project (BLP) & amp; Tata Institute of Social Sciences (TISS) on the theme Leprosy Scenario Post Elimination and Way Forward on 17th & 18th August, 2019 at Mumbai.

9. Participated and Chaired sessions titled "Cochrane Database and how to use it" and "Role of CRO in Research" in National Original Research Convention (NORC 2019) conference organized by IAP West Delhi branch on 10/08/2019.
10. Expert examiner for Diploma in Health Promotion through distance learning conducted on 09/08/2019 at NIHFW, New Delhi.
11. Participated in State Level Training on Standard Operating Guidelines and Code of Conduct under PCPNDT Act organized by Directorate of Family Welfare, GNCTD in collaboration with ADF India's vanishing girl's campaign and girl's count organizes on 26/07/2019 at India international Centre, New Delhi.
12. Guest of Honor for inaugural function for five-days Certificate Course on Infection Prevention and Control, held from July 8th to 12th, 2019 at Department of Medical Education, 3rd floor, Academic Block, Maulana Azad Medical College, New Delhi
13. Participated in 21st National Conference of Association for Prevention and Control of Rabies in India (APCRICON 2019) held on 6th & 7th July 2019 at RIMS, Ranchi.
14. Delivered a lecture titled NCDs, Health Promotion and Role of Medscape India on the occasion of Doctors Day in Fit India Conclave 2019 held at Hotel Le-Meridien on 30.06.2019.
15. Attended symposium on AYUSHMAN Bharat for Healthy India: the path to universal health coverage at AHA house, Noida on 22.06.2019
16. Delivered a talk as a Guest of Honor for CME on Hospital Infection Control and Bio-medical waste management on 8th June, 2019 organized by Shri dada Dev Matri Evum Shishu Chikitsalaya, New Delhi
17. Delivered lecture in orientation workshop of Partner Institutions for the District Health officers regarding District Preparedness for the Public Health Emergencies on 29th April, 2019 at NIHFW in collaboration with Ministry of Health and Family Welfare, Govt. of India.
18. Judge and Co-chair for the session "Oral Papers presented by Research Scholars from different organizations" in National Workshop on Health Care Waste Management, Environment & Occupational Safety" organized by VMMC on 26th April, 2019 at India International Centre.
19. Chairperson for the session "Status of STP in Municipalities in India" in National Workshop on Health Care Waste Management, Environment & Occupational Safety" organized by VMMC on 25th 2019 at India International Centre.
20. Delivered lecture on "Basic Concepts of Safe Hospitals- Structural and Functional Collapse of Hospitals" for training on Hospital Preparedness for Health Emergencies for Senior Hospital Administrators at NIHFW 23rd April, 2019 at NIHFW.
21. Delivered a lecture in 70th Annual Conference of Delhi Ophthalmological Society at Ashok-Samrat Complex on "Patient Safety and Infection Control in Ophthalmological Practice" on 14th April, 2019.

22. Participated in panel discussion on the occasion of WHO day, organized by the Department of Community Medicine, VMMC and Safdarjung Hospital, New Delhi in collaboration with IPHA ,Delhi State Branch under the theme "*Universal Health Coverage: Everyone, Everywhere*" on 08th April, 2019.
23. Delivered lecture as Guest of Honor at Delhi Pharmaceutical Sciences Research University (DPSRU) on the occasion of Management Forum "Emerging Dimensions in Hospital and Health Care System" on 4th April, 2019.
24. Attended 61st Annual Delhi State Medical Conference by Delhi Medical Association, NACON 2019 on 24th March, 2019 at Hotel Le-Meridien, New Delhi.
25. Attended meeting as expert for the Review/Finalize the Manual/Curriculum of Medical Certification of cause of Death (MCCD) for the CBHI's in service training on 21st February, 2019, organized by CBHI, MoHFW, Government of India.
26. Delivered lecture on BMW issues in 95th Training course for Hospital Administrators for Senior Hospital Administrators on 20th February, 2019 at NIHFW.
27. Delivered lecture in orientation workshop of Partner Institutions for the District Health officers regarding District Preparedness for the Public Health Emergencies on 7th February, 2019 at NIHFW.
28. Delivered lecture titled "Planning of the Pre-Hospital Care, Triage and Field Hospitals" for the 12 days training course on District preparedness for the Public Health Emergencies Management for the District Health Officers at NIHFW, 08/01/2019.
29. Attended 4th Health care summit presented by Mail Today on 07/12/2018 at Hotel Lalit for quality health care in Delhi.
30. Attended National Conference ISHWMCON2018 at King George's Medical University, Lucknow organized by University Environment Department on 1st and 2nd December, 2018.
31. Chaired a session titled " Smart Bio Medical Waste Mangement System: Pilot in Lucknow" in ISHWMCON2018 at King George's Medical University, Lucknow organized by University Environment Department on 2nd December, 2018.
32. Attended Pediatric Conference of North India 2018 (Annual Conference of Indian academy of Pediatrics) & Adolescon 2018 (18th National Conference of IAP Adolescent Health Academy) on 24th and 25th November, 2018 at Hotel Le-Meridien, New Delhi
33. Delivered lecture titled "Basics of Hospital Disaster preparedness" in the orientation workshop for partner institution for senior Hospital Administrators at NIHFW from 22nd October, 2018 at NIHFW.
34. Delivered lecture titled "preparing Hospital Disaster Management Plan and Job action Cards for Hospitals" in the orientation workshop for partner institution for senior Hospital Administrators at NIHFW from 22nd October, 2018 at NIHFW.

35. Participated in expert group meeting for the detail theory and practical courses and implementation strategies for the Major Revision of DNA Programme on 17-10-2018 at 9.30 am at Conference Hall, School of Agriculture, SOHS, IGNOU.
36. Attended meeting of expert group for standardization of disaster management material for district health officers on 8th October & 9th October, 2018 at NIHFW, Delhi
37. Delivered lecture titled "Epidemiologic Research Capacity Building in South East Asian Countries: Achievements, Challenges and Future Prospects" in the scientific symposium in 13th South East Asia Regional Meeting of the International Epidemiological Association (IEA) Jointly with International Conference of Public Health and Sustainable Development held from October 2, 2018 to October 5, 2018 at Bali, Indonesia.
38. Resource person/speaker for lecture on Patient Safety & Hospital Infection Control at NIHFW Training Course on Hospital Administration for Senior Hospital Administrators held on 28.09.2018.
39. Attended function of DNB at Vigyan Bhawan on 21/09/2018 to receive the Presidents Gold Medal Award in the Presence of Vice-President of India & State Health Minister, Govt. of India
40. Organized meeting of elders group with Hon'ble Health Minister regarding Universal Health Coverage in Delhi. Meeting was attended by Dr Gro Harlem Brundtland, Ex Director General of WHO and Sh. Ban-Ki-Moon Ex Secretary General of UN. Delegation visited Mohalla Clinic at Peeragarhi and Polyclinic at Paschim Vihar on 07/09/2018
41. Attended meeting at IGNOU for the Diploma in Nursing administration as a expert for the curriculum finalization on 27.07.2018.
42. Attended meeting at Regional officer of MoHFW, Jaipur for the implementation of nationwide census of health care establishments (NHRR) on 23.07.2018.
43. As a core team member organized Fit India conclave in Hotel Le-meridien, Delhi on the occasion of Doctor's Day on 01.07.2018.
44. Attended release of national health profile 2018 & launch of National Health Resource Repository Project organized by CBHI (MoHFW) on 19.06.2018 at Vigyan Bhawan.
45. Attended sensitization and refresher training workshop on the International Classification of Functioning, Disability and Health (ICF) organized by Central Bureau of Health Intelligence (MoHFW) in collaboration with WHO at Hotel IBIS on 31st may 2018.
46. Participated as Chairperson for the two scientific sessions for the 15th WONCA World Rural Health Conference (Healing the heart of health care: leaving no one behind) held at India Habitat Centre, New Delhi from 26th-29th April, 2018.
47. Participated & Chairperson for the plenary session "Efficient HCWM: Low resource setting: Nepal Experience in National Hospital Waste Conference cum workshop on 26th & 27th March, 2018 organised by VMMC and Safdarjung Hospital at India Islamic Cultural Centre, Lodhi Road, New Delhi.

48. Chairperson for the plenary session "Why nursing is losing its sheen in India?" in 2nd International Conference on Smart Nursing Conference 2018 at Dr RML Hospital on 17.03.2018.
49. Participated as one of Panelist as policy makers from Govt. side for the theme "Power to revolutionize Nursing care: Who Holds the Smart Keys" in 2nd International Conference on Smart Nursing Conference 2018 at Dr RML Hospital on 16.03.2018.
50. Attended End TB Summit at Vigyan Bhawan on 13.03.2018 organized by MoHFW, GOI in collaboration with WHO, inaugurated by Hon'ble Prime Minister of India. Participated in panel discussion on multi-sectoral approach for TB elimination at Vigyan Bhawan.
51. Participated in 45th National IAPSM & 19th Maharashtra State Joint conference of IAPSM and IPHA-2018 at Smt. Kashibai Navale Medical College, Narhe, Pune from 9th March to 11 March, 2018.
52. As a guest speaker in state level workshop on Fluorosis organized by DGHS on 26.02.2018.
53. Resource person/speaker for lecture on Patient Safety & Hospital Infection Control at NIHFW Training Course on Hospital Administration for Senior Hospital Administrators held on 16.02.2018.
54. Special invitee Prince Mahidol Award Conference (PMAC) 2018 "Making the World Safe from the Threats of Emerging Infectious Diseases" Centara Grand & Bangkok Convention Centre at Central World, Bangkok, Thailand from 29th January to 3rd February 2018. The Prince Mahidol Award Conference (PMAC) is an annual international conference focusing on policy-related health issues. The Prince Mahidol Award Conference 2018 was co-hosted by the Prince Mahidol Award Foundation, the Thai Ministry of Public Health, Mahidol University, the World Health Organization, The World Bank, U.S Agency for International Development, Japan International Cooperation Agency, The Rockefeller Foundation, with support from other key related partners.
55. Participated in National Conference SASH, 2018 "Safe and Sustainable Hospitals" organized by Academy of Hospital Administration and Department of Hospital Administration, Nizam Institute of Medical Sciences, Hyderabad on 20th and 21st January 2018.
56. Attended workshop on drug availability in FICCI auditorium on 10.01.2018 organized by drug controller of Delhi and Drug Controller of India.
57. Participated as a Public Health expert in Delhi Medical Association 60th Diamond Jubilee State Medical Conference "Diamond Academia" at Hotel Lalit, New Delhi, 24th December, 2017
58. Participated in Joint DOS-SPOSI International Congress 2017 held at Stein Auditorium, India Habitat Centre, Lodhi Road, New Delhi on 9th December, 2017.
59. Participated in Delhi Smile Health Utsav held at Maulana Azad Institute of Dental Sciences on 5th December, 2017
60. Participated in 20th Hepatitis Day at Institute of Liver and Biliary Sciences on Monday, December 4th, 2017

61. Chairperson in the Plenary session at National Conference on Bio Medical Waste Management at Bangalore titled "Principles, Practices and Bio Hazards of Bio Medical Waste" ISHWMCN 2017 held on 1st and 2nd December, 2017.
62. Chairperson for the CME "Challenges in the implementation of BMWM rules, 2016" at VMMC & Safdarjung Hospital, jointly hosted by VMMC & Safdarjung Hospital and Indian Society of Hospital Waste Management on 5.8.2017 at Delhi
63. Invited as an External Examiner for dissertation presentation of second year students at IIHMR, Dwarka, Delhi on 16.05.2017
64. Delivered lecture on Violence against doctors at ACHHA meeting at NIHFW on 06.05.2017.
65. Panelist in Symposium on Violence against Hospital Professionals at IMA House, ITO on 29 April 2017 New Delhi
66. Delivered Lecture for Skill Development training programme for staff nurses at DHS HQ titled "*Inventory Management*" on 16.03.2017.
67. Delivered Lecture for Skill Development training programme for Pharmacists at DHS HQ titled "*Procurement and Storage of Drugs*" on 13.01.2017.
68. Member of consultative expert group for CHCWM programme conducted by IGNOU and attended meeting on 4th January 2017 at IGNOU, School of Health Sciences, Raman Block, Delhi
69. Delivered Lecture for Skill Development training programme for Pharmacists at DHS HQ titled "*Procurement and Storage of Drugs*" on 20.12.2016.
70. Attended Programme Advisory Committee (PAC) meeting at NIHFW on 23.12.2016 on behalf of DGHS, Delhi Government
71. Chairperson for plenary session in International Conference on Hospital waste management and infection control held at Kasturba Medical College, Manipal on 2nd to 3rd December 2016.
72. Attended National symposium on how to write and present research papers at Banaras Hindu University, Varanasi on 2nd September, 2016.
73. Attended valedictory function to address the participants and to review the Leadership Development Programme at IIM Ahmadabad for Managerial Excellence in Hospitals Programme for Senior Healthcare Officials, Government of Delhi at on Saturday, August 06, 2016
74. Participated in Global event on World Hepatitis Day organized by Ministry of Health & Family Welfare, Govt. of India in collaboration with the World Health Organization (WHO) on 28 July, 2016, Mumbai
75. Participated in Programme on Implementation for NABH Pre Accreditation Entry Level Hospital Standards conducted by Quality Council of India on 8th -9th July, 2016 held at Faridabad, Haryana

76. Participated and successfully completed Leadership Development Programme for Managerial Excellence in Hospitals Programme for Senior Healthcare Officials, Government of Delhi at IIM Ahmadabad, 20th to 25th June, 2016.
77. Participated in training programme as member of delegation comprising officers from Govt. of NCT of Delhi and Institute of Liver & Biliary for BSL-3 Lab and GMP Facility at ICGEB Headquarters at Trieste, Italy from 20th to 27th April, 2016
78. Participated in 60th (Diamond Jubilee) Annual National Conference of Indian Public Health Association (IPHA)- held at Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Jolly Grant, Dehradun, Uttarakhand, India from 4th to 6th March 2016
79. Participated as one of panelist in national workshop on assured availability of drugs in Delhi organized by Prayas at Vasant Kunj on 2nd march, 2016
80. Delivered lecture at Quality workshop in health conducted by New Delhi District for MOs and paramedical staff "Inventory Management" on 01.03.2016
81. Participated in International workshop for cancer awareness, prevention, screening and early detection for SAARC nations organized by Delhi State Cancer Institute wef 29th Feb to 3rd March, 2016 at Ashoka Hotel.
82. Delivered lecture at Quality workshop in health conducted by New Delhi District for MOs and paramedical staff "Inventory Management" on 23.02.2016
83. Invited for the valedictory function lecture for the training on Medication Safety and Rational use of drugs for the doctor at MAMC, New Delhi 30.01.2016
84. Delivered lecture at Quality workshop in health conducted by North District for MOs and paramedical staff "Quality in Pharmacy Management" on 19.01.2016
85. Delivered lecture at Quality workshop in health conducted by North District for MOs and paramedical staff "Quality in Pharmacy Management" on 18.12.2015
86. Delivered Lecture for Induction Training of Staff Nurses at DHS HQ titled "*Inventory and Stores Management made easy for Nurses*" on 26.11.2015.
87. Chairperson for the Poster and Oral paper presentation evaluation in International Conference on Hospital Waste Management and Infection Control conducted by Deptt. of Hospital Administration, AIIMS, New Delhi on 14th -15th November, 2015.
88. Delivered lecture at Quality workshop in health conducted by South West District for MOs and paramedical staff "quality in pharmacy" on 03.11.2015
89. Written report for visit to Karolinska Institute and associated Hospital at Huddinge, Stockholm (Sweden) on 29.10.2015 and report submitted to Government of NCT of Delhi.
90. Foreign visit to Sweden as a member of delegation led by Sh. Satyendar Jain, Hon'ble Minister of Power, PWD, Health, Govt. of N C T of Delhi for conducting a study with focus on sustainable urban development including areas such as ICT, safety and security, waste and water management, waste-to-energy, air pollution, smart living and public transportation from 25.10.2015 to 29.10.2015.

91. Member of Project Team for Mohalla Clinic, dental clinic, physiotherapy clinic establishment, up gradation of old hospitals, new hospitals projects & procurement of lands for hospitals projects in Delhi, 2015
92. Organized inaugural function by Hon'ble CM Govt of Delhi for Burari Hospital for increase in beds from 200 to 800 on 09.08.2015
93. Organized inaugural function by Hon'ble CM Govt of Delhi for first Mohalla Clinic at Peeragarhi on 19.07.2015
94. Delivered lecture at Delhi State Health Mission for MOs and paramedical staff for quality in pharmacy and store management on 24.07.2015
95. Conducted live programme on All India Radio (AIR) for health services in Delhi as co panelist on 20.06.2015
96. Delivered lecture at Delhi State Health Mission for MOs and paramedical staff for quality in pharmacy and store management on 20.05.2015
97. Participated in National Review meeting of IDSP for Delhi State at Telangana conducted by NCDC, GOI from 14.05.2015 to 16.05.2015
98. Delivered lecture at Delhi State Health Mission for MOs for quality in pharmacy on 31.03.2015
99. Attended National Workshop on NOTTO (National Organ & Tissue Transplant Organization) workshop at VMMC organized by MoHFW, GOI on 27.03.2015.
100. Invited as Chairperson for the session on Silicosis Occupational, Environmental and Health Hazards of Silica conducted by DHS at Gandhi Foundation, DDU Marg, New Delhi on 20.03.2015
101. Organized group work for State Level workshop on Fluorosis at DHS HQ on 17.03.2015
102. Delivered Lecture for Induction Training of Staff Nurses at DHS HQ titled "*Inventory and Store Management Made Easy for staff nurses*" & *Basic Administrative Policies and Procedures for staff nurses* on 13.03.2015.
103. Delivered Lecture for Induction Training of Staff Nurses at DHS HQ titled "*Inventory Management made easy*" on 04.03.2015.
104. Successfully managed and controlled Influenza A H1N1 in Delhi during 2014-15, controlled rate for H1N1 testing in private lab. Upper limit of tests was fixed for Rs 4500/-
105. Reply to PIL was made in Hon'ble High Court for management of N1N1 in Delhi as Dy. SSO and case was in favour of Delhi Government
106. Interview for Influenza A H1 N1 prevention and control by ABC Australia News on 26th February 2015
107. Briefing of Media for Influenza A H1 N1 status in Delhi on behalf of DHS, Govt. of NCT of Delhi
108. Community Awareness Programme for prevention and control of Influenza A H1 N1 in Delhi. Discussion on TV Channel DD Urdu on 23rd February 2015.

109. Community Awareness Programme for prevention and control of Influenza A H1 N1 in Delhi. Discussion on TV Channel Total TV on 17th February 2015
110. Inspections of Night Shelters under Mobile Health Schemes in the Month of January and February 2015.
111. Member of Interview Board for the selection of Epidemiologist, Data Managers and CDEOs for IDSP programme at DHS HQ, 2014
112. Trainer for Inventory Management for the District Level Officers conducted by Delhi State Health Mission on 15th and 16th January 2015
113. Inventory management at Central Store of DHS, Government of NCT of Delhi, 2014
114. Coordinated State level Organ donation pledge, Blood donation camp and Health Checkup camp at Delhi Secretariat, inaugurated by Honorable LG on 14.08.2014.
115. Done evaluation of health services in reference to patient perspective in District and State level hospitals of central district under Govt. of NCT of Delhi, May & June, 2014

