

Curriculum Vitae

Name: Dr. Rajesh Kumar

Designation: Ex-Technical Advisor, Health Systems Transformation Platform, New Delhi,
Ex-Dean (Academic) & Prof & Head, Deptt. of Community Medicine & School of
Public Health, Post-Graduate Institute of Medical Education &
Research, Chandigarh, India

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Date of Birth: 26 October, 1954

Awards: British Council Award for Epidemiology Training, 1990
Dr. M.K. Sheshadari Gold Medal & Award by ICMR, 1998
Sri Ram Memorial Award for Community Health Research by NAMS, 2005
Dr. R. N. Roy Memorial Award for Best Paper published in IJPH by IPHA, 2006
Dr. S. D. Gaud Award for Best Paper on Environmental Health by IPHA, 2010
Endeavour Executive Award by Australia Government, 2010
Covid-19 Prevention & Control Award by Government of Punjab, 2020

Orations: Dr. S. C. Seal Memorial Oration by IPHA, 2004
Dr. B. C. Dasgupta Memorial Oration by IPHA, 2007
Dr. Harcharan Singh Oration by IAPSM, 2009
Dr. Siddharath N. Shah Epidemiology Oration by HSI, 2012
Indian Society of Malaria & Other Communicable Diseases Oration, 2014
Dhanwantri Oration by IAPSM, 2015
Dr. RV Rajam Oration by NAMS, 2016
Dr. HS Butter Oration by ACS, 2018

Fellowship: Fellow National Academy of Medical Sciences, India (NAMS), 2006
Fellow Indian Association of Preventive and Social Medicine (IAPSM), 2002
Fellow Indian Public Health Association (IPHA), 2001

Membership: International Epidemiological Association (IEA)
International Union of Health Promotion & Education
Indian Association of Epidemiologists (IAE)
Indian Public Health Association (IPHA)

H Index: 69 (citations 29204)

Qualifications: Degrees	Date	College/school
Bachelor of Medicine & Bachelor of Surgery (MBBS)	16 Jan. 1981	Medical College, Rohtak, India
Doctor of Medicine (MD) in Social & Preventive Medicine	9 July 1984	Medical College, Rohtak, India
Master of Science (MSc) in Epidemiology	15 Jan. 1992	London School of Hygiene & Tropical Medicine, U.K.

Career History:

Positions	Institution	From	To
Technical Advisor	Health Systems Transformation Platform, New Delhi	1 Sept. 2021	25 May 2022
Executive Director	State Health Systems Resource Center, NHM, DH&FW, Punjab	8 April 2020	31 August 2021
Emeritus Scientist	ICMR, New Delhi	1 Nov. 2019	31 March 2020
Dean (Academic) Professor and Head	PGIMER, Chandigarh Dept. of Community Medicine Postgraduate Institute of Medical Education and Research (PGIMER) Chandigarh, India	1 Aug. 2017 10 Dec. 1999 8 Oct. 2010 20 Sept 2009 2 Mar.2008 16 Dec.2007 10 Dec.1999	31 Oct. 2019 31 Oct. 2019 28 May 2011 7 Aug. 2010 4 July 2009 1 Feb.2008 17 Nov.2007
Temporary International Professional	World Health Organization South-East Asia Regional Office New Delhi, India	29 May 2011 8 Aug. 2010 5 July 2009 2 Feb. 2008 18 Nov. 2007	28 Feb. 2012 7 Oct. 2010 19 Sept. 2009 1 Mar 2008 15 Dec. 2007
Additional Professor	Dept. of Community Medicine PGIMER, Chandigarh, India	1 July 1996	9 Dec. 1999
Associate Professor	-do-	1 July 1992	30 June 1996
Assistant Professor	-do-	17 July 1987	30 June 1992
Senior Resident	-do-	22 Oct.1984	16 July 1987
Assistant Research Officer	Social & Preventive Medicine Medical College, Rohtak, India	16 May1984	20 Oct. 1984
Junior Resident (SPM)	-do-	23 Mar. 1982	22 Mar. 1984
House Surgeon	Dept. of Surgery, Medical College, Rohtak, India	1 Jan. 1981	31 Dec. 1981

Professional Experience:

Developed community health programs in primary health care and published 448 research papers & chapters in books (available at <https://scholar.google.co.in/citations?hl=en&user=rhCoGZkAAAAJ>), supervised 11 doctoral and 15 post-graduate theses. Presented 160 papers in national & international conferences. Principal investigator for 32 research projects funded by ICMR, DST, MoEF&CC, WHO, UNICEF, UNFPA, DFID. Raised research grants to the tune of Rs 13 crores.

As Head of Community Medicine Department developed MD (Community Medicine) course curriculum in 1996 which has been adapted and implemented in many medical colleges in India; established first

School of Public Health in 2004 in a Medical Institute of India which is now recognized as a premier hub of public health education & research in India. Initiated MPH program in 2007 and BPH in 2019 and planned MD program in Family Medicine, Fellowship Programs in Health Economics, Environmental & Occupational Health, and Public Health Informatics.

Served as Temporary Advisor to WHO on Mother and Newborn Information for Tracking Outcomes and Results (MoNITOR), Epidemiology, Non-Communicable Diseases (NCDs), Verbal Autopsy, and Public Health. Member of National Steering Committee on NCD Monitoring & Surveillance, Indian Public Health Standards, Human Resources for Health, Ministry of Health & Family Welfare, Govt. of India, New Delhi. Member of Scientific Advisory Committee of National Institute of Epidemiology, Chennai, India, Technical Advisory Group of NACO and Co-chair of ICMR National NCD Monitoring Survey, National Disease Burden Estimation, and Chair of Technical Committee of Model Rural Health Research Units. Associate Editor Journal of Epidemiology & Community Health, UK.

Major Research Contributions:

Using community-based surveys, conducted in 1990s, advocated for initiation of healthy heart project in about one million population of Chandigarh which involved surveillance, development of guidelines, training of medical and paramedical personnel, and coordination with several stakeholders. After 3-year implementation, the project evolved into Chandigarh Non-Communicable Diseases (NCD) Prevention and Control Program which is one of the first NCD control program in India funded and implemented by the government. Development and implementation of Rheumatic Heart Disease Control Program in about one million population of district Ropar in Punjab has also been adopted by the government for country-wide implementation.

Research & development of verbal autopsy tools to measure cause specific mortality is now implemented by Registrar General of India in the National Sample Registration System. Cause specific mortality statistics generated from this initiative has helped in planning and evaluation of national rural health mission. Several national studies for assessment of the impact of targeted preventive interventions on HIV infection have led to intensification of targeted HIV prevention programs resulting in a substantial decline of HIV in India.

In the last five years, developed a low-cost Integrated Health Information System for primary health care using open source and free software which can be adopted by Digital Health Mission of India for nationwide application. Established disease burden for vaccine preventable diseases, and evaluated NHM.

Research Grants as Principal Investigator:

S. No.	Project Title	Funding Agency	Start date of project	Completion date of project	Grant in Indian Rupees
1	Designing information system for strengthening patient-based care in resource constrained settings	Norwegian Research Council	April 2016	April 2019	32,00,000
2	Utility of Prevention-of-Mother-to-Child HIV transmission (PPCT) program Data for HIV surveillance	National AIDS Control Organization (NACO)	November 2015	December 2016	18,50,688
3	Combined use of noble diagnostic tool and strategic vaccination to control bovine Brucellosis in endemic areas	Department of Biotechnology, GOI, New Delhi	05.08.2014	04.08.2017	69,80,000
4	Universal Health Care coverage-A baseline survey in Shaheed Bhagat Singh District of Punjab	National Health Mission, Punjab	01.04.2014	30.06.2014	9,35,000
5	Study on the prevalence of Rheumatic Fever and Rheumatic Heart Disease in School Children of North East India	Indian Council of Medical Research (ICMR), New Delhi	15.3.2012	31.05.2014	18,55,314
6	Validation of PARF peptide from streptococci as a marker for acute rheumatic fever and rheumatic heart disease	ICMR, New Delhi	01.11.2011	31.10.2014	77,94,456
7	Injury surveillance system in India	WHO, India	Jan 2017	June 2017	35,00,000
8	Epidemiological Surveillance of Group A, C and G streptococci (GAS, GCS and GGS) in Chandigarh, North India study	ICMR, New Delhi	01.09.2010	31.03.2012	11,40,588
9	UNICEF collaborative center for monitoring and evaluation of maternal and child health programs in India (MCH - M&E) time of start date of completion	UNICEF	01.09.2009	30.06.2013	1,30,48,589
10	Improving Monitorable Reproductive and Child Health indicators in Chandigarh Union Territory.	Chandigarh Administration	2007	2012	2,00,000
11	Nodal Coordinating Unit of Satellite Centers for RF/RHD Control	ICMR, New Delhi	1.6.2007	31.5.2009	10,75,482
12	Evaluation of ICDS Scheme in Chandigarh	Child & Women Development Corporation Ltd.	April 2007	August 2007	2,52,000
13	Comprehensive approach to understand streptococcal diseases and their sequelae to develop innovative strategies for diagnosis, therapy, prevention and control	European Commission, Germany	January, 2007	June 2010	1,14,65,843
14	HIV Sentinel Surveillance Round 2006-08 (Northern region)	NACO, New Delhi	June 2006	March 2017	2,50,00,000

15	Baseline Survey under RCH-II Programme in UT Chandigarh	Distt. Family Welfare Office, Chandigarh	March 2006	June 2006	99,000
16	Exposure to indoor air pollution and risk of tuberculosis: A case control study	University of California, USA	March 2006	March 2007	5,53,025
17	Validation of verbal autopsy for still birth and neonatal deaths	WHO, Geneva	Jan 2006	March 2008	20,14,388
18	Composite Targeted Intervention Programme for HIV prevention	Chandigarh State AIDS Control Society	Jan 2006	July 2008	26,61,315
19	A program to improve injection practices in the country.	INCLLEN, India	Jan 2006	March 2008	3,46,000
20	A time series study on the relation of air pollution and mortality in Ludhiana city.	Health Effects Institute, USA	July 2005	Dec. 2007	28,22,960
21	Development of Non-Communicable Diseases Programme Distt. Ropar	WHO India	March 2005	Jan. 2006	2,52,500
22	Estimating the preventable burden of Hib Meningitis and Pneumonia in India	ICMR-JHU	May 2005	March 2008	1,32,89,097
23	Prospective urban Rural Epidemiology (PURE) study in Chandigarh	Population Health Research Institute (PHRI), Canada	September 1, 2003	Dec 31,2017	40,00,000
24	Physical, behavioral and biological risk factors measurements in Sample Registration System: A feasibility study.	Center for Global Health Research, Canada	Oct. 2002	Dec. 2007	70,00,000
25	Jaivigyan Mission Mode Project on Community Control RF/RHD Control (Registry Protocol)	ICMR, New Delhi	Dec.1, 2001	Nov.30, 2006	1,02,27,732
26	Assessment of Prevalence of IDD Surveys at Northern region	NIN, Hyderabad	Nov. 16, 2001	Aug. 15, 2002	6,38,700
27	Epidemiological Surveillance of group A streptococcal infection including pharyngitis and impetigo	Govt. of India, New Delhi	May 3, 2001	March 31, 2006	58,40,000
28	Assessment of Burden of Disease in Himachal Pradesh.	Director Health Services (RCH) Himachal	April 1, 2001	March 31, 2003	5,57,600
29	Assess Health Risk Associated with Environmental exposure under three	WHO India	March 2001	Dec. 2004	10,85,040
30	A study of psychosocial culture and service factors affecting reproductive morbidity amongst rural women in India	ICMR, New Delhi	Feb.15,2001	May 14, 2003	10,76,415
31	Reproductive Health Operations Research Project for DRHP Sirmour, HP.	UNFPA India	Sept 1, 1999	May 31, 2001	29,42,600
	Total				13,37,04,332

Publications:

1. Singh T, Kaur R, Singh S, Kumar R. Effect of psychiatric co-morbidity on adherence to anti tubercular treatment: a cross sectional study from North India. *Journal of Community Medicine and Public Health*. 2021;8(3):1325-30.
2. Singh T, et al. Perception of stakeholders towards Implementation of a patient centric digital health application for primary healthcare, India. *Healthcare Informatics Research*. 2021:in press.
3. Murhekar M, et. al. Seroprevalence of chikungunya virus infection, India, 2017: a nationally representative cross-sectional serosurvey. *Lancet Microbe*. 2021;2(3):E41-E7.
4. Litch J, et al. Readiness to provide antenatal corticosteroids for threatened preterm birth in public health facilities in northern India. *Global Health: Science and System*. 2021:In press.
5. Kumar R. Impact of national health mission of India on infant & maternal mortality: A logical framework analysis. *Journal of Health Management*. 2021;23(1):155–65.
6. Kumar A, Grover G, Dikid T, Kaur S, Patil A, al e. Foodborn Illness Outbreak linked to Rural Community Kitchen in a Rural Area of Patiala district, Punjab, India, 2019. *Indian Journal of Public Health*. 2021;65:S41-5.
7. Kaur M, Kumar R. Mixed Methods in Global Health Research. *Handbook of Global Health: Springer*; 2021. p. in press.
8. Kaur J, Kaur M, Chakrapani V, Kumar R. Methodological Reflections on Health Promotion Intervention: 'SMART Eating' in India. *Global Handbook of Health Promotion Research*. 1: Springer; 2021. p. in press.
9. Iqbal R, Dehghan M, Mente A, Rangarajan S, Wielgosz A, Avezum A, et al. Associations of unprocessed and processed meat intake with mortality and cardiovascular disease in 21 countries [Prospective Urban Rural Epidemiology (PURE) Study]: a prospective cohort study. *The American Journal of Clinical Nutrition*. 2021.
10. Holt H, Bedi J, Kaur P, Mangtani P, NS S, Gill J, et al. Epidemiology of brucellosis in cattle and dairy farmers of Punjab. *PLoS Neglected Tropical Diseases*. 2021;15(3):e0009102.
11. Gupta M, Kanojia R, Bansal A, Aloona S, Rana M, Bansal A, et al. Epidemiology of hospitalized intussusception cases from northern states in India. *The Indian Journal of Pediatrics*. 2021;88(1):118-23.
12. Fauzdar D, al e. Evaluating scope of mobile technology for bridging health care gaps in impoverished population in LMIC. *Journal of Family Medicine and Primary Care*. 2021:in press.
13. Chawngthu R, Chakrapani V, Narayan P, Verma V, Rajan S, Kumar R. New HIV Infection Estimation from Program Data of Key Populations in Aizawl, Mizoram (India). *Indian Journal of Community Health*. 2021:in press.
14. Swain S, Preetha G, Kumar S, Aggarwal D, Kumar R, Kumar R. Human Resources for Health in India: Need to go Beyond Numbers. *Indian Journal of Community Medicine*. 2020;45(3):267-69.
15. Sagar V, Chakraborti A, Kumar A. Whole Genom Sequence of an Indian Group A Streptococcus emm type 1-2 strain isolated from a blood sample in North Indis. *Microbiology Resource Announcement*. 2020;9:e00163-20.
16. Rasaily R, al e. Effect of Home Based Newborn Care on Neonatal and Infant Mortality: A Cluster Randomized Trial in India. *BMJ Global Health*. 2020;5:e000680.
17. Raphael A, Brauer M, Ahmed S, AlHabib K, Avezum A, Bo J, et al. Long-term Exposure to Outdoor and Household Air Pollution and Blood Pressure in the Prospective Urban and Rural Epidemiological (PURE) Study. *Environmental Pollution*. 2020:<https://doi.org/10.1016/j.envpol.2020.11>.
18. Murhekar M, al e. Hepatitis-B virus infection in India: Findings from a nationally representative serosurvey, 2017-18. *International Journal of Infectios Diseases*. 2020;100:455-60.
19. Marsh A, al e. Effective coverage measurement in maternal, newborn, child, and adolescent health and nutrition: progress, future prospects, and implications for quality health systems. *Lancet Global Health*. 2020;8(5):PE730-E6.

20. Mangtani P, et al. The prevalence and risk factors for human *Brucella* species infection in a cross-sectional survey of a rural population in Punjab, India. *Transactions of Royal Society of Tropical Medicine & Hygiene*. 2020;114(4):255-63.
21. Kumar R. Redefining and redesigning public health for the future. *Indian Journal of Public Health*. 2020:in press.
22. Kumar R. Achieving Universal Health Coverage in India: The Need for Multi-Sectoral Public Health Action. *Indian Journal of Community Medicine*. 2020;45:1-2.
23. Kaur M, Bashar A, Singh T, Kumar R. Cross-Sectional Study of Clients' Satisfaction With Outpatient and Inpatient Services of Public Health Facilities of a North Indian State. *Health Services Insights*. 2020;13:1178632920929969.
24. Kaur J, Kaur M, Chakrapani V, Webster J, Santos J, Kumar R. Effectiveness of Information Technology-enabled 'SMART Eating' Health Promotion Intervention: A Cluster Randomized Controlled Trial. *PLoS One*. 2020;15(1):e0225892.
25. Kaur J, Kaur M, Chakrapani V, Kumar R. Multi-level influences on fat, sugar, salt, fruit, and vegetable consumption behaviours among urban Indians: Application of the Social Ecological Model. *Sage Open*. 2020:<https://doi.org/10.1177/2158244020919526>.
26. Joseph PG, Healey JS, Raina P, Connolly SJ, Ibrahim Q, Gupta R, et al. Global variations in the prevalence, treatment, and impact of atrial fibrillation in a multi-national cohort of 153 152 middle-aged individuals. *Cardiovascular Research*. 2020:<https://doi.org/10.1093/cvr/cvaa241>.
27. Jagnoor J, Ponnaiah M, Varghese M, Ivers R, Kumar R, Prinja S, et al. Potential for establishing an injury surveillance system in India: a review of data sources and reporting systems. *BMC public health*. 2020;20(1):1-9.
28. Gupta M, Lakshmi P, Prinja S, Singh T, Sarari T, Rao C, et al. Comparative performance of verbal autopsy methods in identifying causes of adult mortality: A case study in India. *Indian Journal of Medical Research*. 2020:in press.
29. Faujdar D, Sahay S, Singh T, Kaur M, Kumar R. Field testing of a digital health information system for primary health care: A quasi-experimental study from India. *International Journal of Medical Informatics*. 2020;141:104235.
30. Chow C, Nguyen T, Marschner S, Diaz R, Rahman O, Avezum A, et al. Availability and affordability of medicines and cardiovascular outcomes in high-income, middle-income and low-income countries: an analysis of the PURE study data. *BMJ Global Health*. 2020;5(11):e002640.
31. Choudhury I, Chakrapani V, Kaur M, Mittal S, Kumar R. Factors influencing HIV testing uptake among priority populations in a resettlement colony of a North Indian city. *Indian Journal of Community Health*. 2020;32:35-44.
32. Chauhan CK, Lakshmi P, Sagar V, Sharma A, Arora SK, Kumar R. Immunological markers for identifying recent HIV infection in North-West India. *Indian Journal of Medical Research*. 2020;152(3):227.
33. Chakrapani V, Kaur M, Tsai A, Newman P, Kumar R. The impact of a syndemic theory-based intervention on HIV transmission risk behaviour among men who have sex with men in India: findings from a pretest-posttest non-equivalent comparison group trial. *Social Science and Medicine*. 2020:in press.
34. Bhavadharini B, Dehghan M, Mente A, Rangarajan S, Sheridan P, Mohan V, et al. Association of dairy consumption with metabolic syndrome, hypertension and diabetes in 147 812 individuals from 21 countries. *BMJ Open Diabetes Research and Care*. 2020;8(1):e000826.
35. Wong B, Fadel S, Awasthi S, Khera A, Kumar R, Menon G, et al. The impact of measles immunization campaigns in India using a nationally representative sample of 27,000 child deaths. *eLife*. 2019;8:e43290.
36. Wahl B, Sharan A, Knoll MD, Kumar R, Liu L, Chu Y, et al. National, regional, and state-level burden of *Streptococcus pneumoniae* and *Haemophilus influenzae* type b disease in children in India: modelled estimates for 2000–15. *The Lancet Global Health*. 2019;7(6):e735-e47.

37. Singh T, Kaur M, Verma M, Kumar R. Job Satisfaction among Health Care Providers: A Cross-Sectional Study in Public Health Facilities of Punjab, India. *Journal of Family Medicine and Primary Care*. 2019;8(10):3268–75.
38. Singh T, Kankaria A, Bhatnagar N, Singh G, Kaur S, Kumar R. Assessment of functioning of public health facilities in a North Indian state. *International Journal of Community Medicine and Public Health*. 2019;6(8):3358-63.
39. Prinja S, Sharma Y, Dixit J, Thingnam S, Kumar R. Cost of Treatment of Valvular Heart Disease at a Tertiary Hospital in North India: Policy Implications. *PharmacoEconomics - Open*. 2019:<https://doi.org/10.1007/s41669-019-0123->.
40. Prinja S, Balasubramanian D, Sharma A, Gupta R, Rana SK, Kumar R. Geographic inequities in coverage of maternal and child health services in Haryana State of India. *Maternal and Child Health Journal*. 2019;23(8):1025-35.
41. Perry H, Duong M, Brauer M, Larkin A, Arku R, Kurmi O, et al. Health Effects of Household Solid Fuel Use: Findings from 11 Countries within the Prospective Urban and Rural Epidemiology Study. *Environmental Health Perspectives*. 2019;127(5):DOI 10.1289/EHP3915.
42. Mangtani P, Berry I, Beauvais W, Holt H, Kulashri A, Bharti S, et al. The prevalence and risk factors for human Brucella species infection in a cross-sectional survey of a rural population in Punjab, India. *Transactions of Royal Society of Tropical Medicine & Hygiene*. 2019:in press.
43. Kumar T, Shrivastava A, Bhatia D, Mitra Y, Kumar A, Hussain S, et al. Jaundice outbreak likely caused by HEV in Amritsar, Punjab, India, 2013. *BMC Public Health*. 2019;464(supplement 3).
44. Kumar R, Lakshmi P, Rajan S, Verma V. Prevention of Parent-to-Child Transmission (PPTCT) programme data for tracking the HIV epidemic in India. 2019.
45. Kumar R. Rheumatic Heart Disease: A Neglected Public Health Priority. *Indian Journal of Public Health*. 2019;63:1-3.
46. Kaur R, Singh T, Basu D, Kumar R. Prevalence and pattern of psychoactive substance use among female students aged 18-25 years in universities of North India. *International Journal of Community Medicine and Public Health*. 2019;6(2):602-9.
47. Kamraj P, Kumar MS, Khan SA, Allam RR, Barde P, Dwibedi B, et al. Burden of dengue infection in India, 2017: results from a cross-sectional population based serosurvey. *Lancet Global Health*. 2019;7(8):E1065-E73.
48. Jyani G, Prinja S, Ambekar A, Bahuguna P, Kumar R. Health Impact and Economic Burden of Alcohol Consumption in India. *International Journal of Drug Policy*. 2019:in press.
49. Gupta M, Tripathy JP, Verma M, Singh MP, Kaur R, Ratho R, et al. Seroprevalence of measles, mumps & rubella antibodies among 5-10 years old children in north India. *The Indian journal of medical research*. 2019;149(3):396.
50. Faujdar D, Sahay S, Singh T, Jindal H, Kumar R. Public health information systems for primary health care in India: A situational analysis study. *J Family Med Prim Care*. 2019;8:3640-6.
51. Duong M, Islam S, Rangarajan S, Leong D, Kurmi O, Teo K, et al. Mortality and cardiovascular and respiratory morbidity in individuals with impaired FEV1 (PURE): an international, community-based cohort study. *Lancet Glob Health*. 2019;7(5):e613-e23.
52. Devi A, Khaiwal R, Kaur M, Kumar R. Evaluation of Biomedical Waste Management Practices in Public and Private Sector Health Care Facilities in India. *Environment Science and Pollution Research*. 2019:<https://doi.org/10.1007/s11356-019-05785>.
53. Daniel S, Farrar SA, Shaza A, Fadel, Rajesh Kumar, Anju Sinha, Sze Hang Fu, Brian Wahl, Shaun K. Morris,, Jha P. Seasonal variation and etiologic inferences of childhood pneumonia and diarrhea mortality in India. *eLife*. 2019;8:e46202.
54. Chongthu R, Kumar R, Rajan S, Narayan P, Verma V. Direct estimation of new HIV infections among key populations using programme data. 2019.
55. Chauhan C, Lakshmi P, Sagar V, Sharma A, Arora S, Kumar. Primary HIV Drug Resistance among Recently Infected Cases of HIV in North-West India. *AIDS Research and Treatment*. 2019:<https://doi.org/10.1155/2019/1525646>.

56. Banga P, Singh T, Kumar R. Rapid screening for behavioral risk factors in adolescents in North India. *International Journal of Community Medicine and Public Health*. 2019;6(8):3343-9.
57. Singh T, Pilia M, Jat G, Kumar R. Ambiguity about Selection of Cardiovascular Risk Stratification Tools: Evidence from a North Indian Rural Population. *Indian Journal of Community Medicine*. 2018;43(3):170-4.
58. Singh T, Bhatnagar N, Singh G, Kaur M, Kaur S, Thaware P, et al. Healthcare Utilization and Expenditure Patterns in the Rural Areas of Punjab, India. *Journal of Family Medicine and Primary Care*. 2018;7:39-44.
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60. Prinja S, Jyani G, Bahuguna P, Faujdar D, Kumar R. Reply to When Flawed Modeling Justify Cost-Effectiveness: Making sense of 'Band-Aid' modeling. *Cancer*. 2018;124(15):3267-70.
61. Prinja S, Bahuguna P, Faujdar D, Jyani G, Srinivasan R, Ghoshal S SV, Singh MP, Kumar R. Reply to Cost-effectiveness calculations of human papillomavirus vaccination in Punjab may be flawed. *Cancer*. 2018;124(1):214-6.
62. Nath L, Rao J, Ray A, Chandra S, Gupta D, Rao S, et al. *A Road to India's Health*. Independent Commission on Development & Health in India: Voluntary Health Association of India, New Delhi (India); 2018.
63. Kumar R. Augmentation of Human Resources for Health (HRH): A Critical Step for Achieving Universal Health Coverage (UHC) in India. *Indian Journal of Community Health*. 2018;30(4):308-11.
64. Kumar R, editor *What makes primary health care work: Indian experience*. STRENGTHENING PRIMARY HEALTH CARE IN RURAL INDIA: REPORT AND RECOMMENDATIONS OF A NATIONAL CONSULTATION; 2018.
65. Ke C, Gupta R, Xavier D, Prabhakaran D, Mathur P, Kalkonde YV, et al. Divergent trends in ischaemic heart disease and stroke mortality in India from 2000 to 2015: a nationally representative mortality study. *The Lancet Global Health*. 2018;6(8):e914-e23.
66. Kaur J, Kaur M, Webster J, Kumar R. Protocol for a Cluster Randomised Controlled Trial on Information Technology-enabled Nutrition Intervention among Urban Adults in Chandigarh (India): SMART Eating Trial. *Journal: Global Health Action*. 2018;11(1):1419738.
67. Joseph P, Yusuf S, Lee S, Ibrahim Q, Teo K, Rangarajan S, et al. Prognostic Validation of a Non-Laboratory and a Laboratory Based Cardiovascular Disease Risk Score in Multiple Regions of the World. *Heart*. 2018;104(7):581-7.
68. Joseph A, Kadri A, Krishnan A, Garg B, Ahmed F, Kumar P, et al. IAPSM Declaration 2018: Definition, Role, Scope of Community Medicine and Functions of Community Medicine Specialist. *Indian Journal of Community Medicine*. 2018;43:120-1.
69. Gupta M, Kaur M, Lakshmi P, Prinja S, Singh T, Rawat T, et al. Social autopsy for identifying causes of adult mortality. *Plos One*. 2018;13(5):e0198172.
70. Faujdar DS, Sahay S, Singh T, Lakshmi P, Kaur M, Kumar R, editors. *Information Technology (IT)-Enabled Epidemiological Applications for Improving Universal Health Coverage: A Case Study from North India*. 13th IEA SEA Meeting and ICPH-SDev; 2018.
71. Dhirar N, Sankalp D, Kumar R. Upward trend of Caesarean sections in India: Incision over Precision. *National Medical Journal of India*. 2018;31(5):316-17.
72. Dehghan M, Mente A, Rangarajan S, Sheridan P, Mohan V, Iqbal R, et al. Association of dairy intake with cardiovascular disease and mortality in 21 countries from five continents (PURE): a prospective cohort study. *The Lancet*. 2018;392(10161):2288-97.
73. Chow C, Ramasundarahettige C, Hu W, AlHabib K, Avezum AJ, Cheng X, et al. Availability and affordability of essential medicines for diabetes across high-income, middle-income, and low-income countries: a prospective epidemiological study. *Lancet Diabetes & Endocrine*. 2018;6(10):798-808.

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75. Chakrapani V, Kaur M, Newman P, Kumar R. Syndemics and HIV-related sexual risk among men who have sex with men in India: Influences of stigma and resilience. *Culture, Health & Sexuality*. 2018;4:416-31.
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77. Talwar K, Kumar R, Sharma S. Good health and wellbeing: Ensure healthy lives and wellbeing for all at all ages. *Vision Document 2030 for the State of Punjab: Department of Planning, Government of Punjab; 2017. p. 159-83.*
78. Singh T, Roy P, Jamir L, Gupta S, Kaur N, Jain D, et al. Assessment of Universal Healthcare Coverage in a District of North India: A Rapid Cross-Sectional Survey Using Tablet Computers (vol 11, e0157831, 2016). *PLOS ONE*. 2017;12(4).
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