



INDIAN ASSOCIATION FOR THE STUDY OF POPULATION

GENERAL SECRETARY'S ANNUAL REPORT: 2022-23

Dear Members,

The activities of the Indian Association for the Study of Population conducted during 2022-2023 are as follows:

I. 44th Annual Conference of IASP scheduled to be held during November 8-10, 2023

Conference Sessions

The 44th Annual Conference of IASP is scheduled to be held during 8-10 November 2022 at the Centre of Excellence on Public Health Nutrition, Department of Humanities and Social Sciences, National Institute of Technology Rourkela, Odisha. The abstract submission and review process was done through online submission on IASP website. The theme of the Conference is '**1.4 Billion Aspirations, One Sustainable Future: Unfolding India's Path to Development**'. The papers were invited under the following twelve subthemes related to the proposed theme of the Conference:

1	Nuptiality, Fertility, Infertility and Family Planning
1.1	Fertility preferences, intention, timing and childbearing, parenthood, correlates of infertility/fertility; Covid pandemic and fertility
1.2	Marriage, marriage dissolution, Covid pandemic and marriage
1.3	Demand for and unmet need of contraception, contraceptive dynamics, Barriers to contraceptive use, covid-19 and contraceptive use, post-partum contraceptive use
1.4	Marriage practices, issues and challenges of child/forced marriage
2	Policy Implications of Population Dynamics
2.1	Demographic Transitions and Development
2.2	Population Composition and Diversity
2.3	Policy Implications of Population Dynamics
3	Urbanisation and Rural Demography
3.1	Demographic Transformations in Urban and Rural Areas
3.2	Sustainable Urban and Rural Development
3.3	Urban and Rural Inequalities
3.4	Urbanisation Trends and Dynamics
4.	Mortality, Longevity, Morbidity,
4.1	Maternal and child morbidity and mortality

4.2	Causes of death
4.3	Mortality and Life Expectancy
4.4	Adult mortality
4.5	Health/epidemiological transition
4.6	Stillbirths
4.7	Traditional Healthcare Practices
4.8	Indigenous child-rearing practices
5	Poverty, Income inequality and health
5.1	Insurance coverage, out-of-pocket health expenses
5.2	Poverty, Nutrition, and Food Insecurity
5.3	Poverty, Health, and Vulnerable Populations
5.4	Income Inequality and Health Disparities
5.5	Impact of Poverty on Health Outcomes
6	Ageing and Generational Dynamics
6.1	Health and Well-being in an Ageing Population
6.2	Social and Economic Implications of Population Ageing
6.3	Intergenerational Relationships and Family Dynamics
6.4	Policy and Planning for an Ageing Population
6.5	Health risk protection and Ageing
7	Reproductive and Sexual Health
7.1	Sexual and Reproductive Health of Adolescents and Youth
7.3	Men and sexual and reproductive health
7.4	Reproductive wastage, Abortion
7.5	Covid pandemic and reproductive and sexual health
7.5	Empowerment and equity in reproductive and sexual health
8.	Migration, Refugees and Development
8.1	Migration pattern
8.3	Migration and socioeconomic inequality
8.4	Migrant rights, discrimination and migration policy
8.5	Health and migration
8.6	Migration, women and children
8.7	Covid-19 and migration
8.8	Refugees inflow and issues of citizenship
9	Adolescent, Gender, and Development
9.1	Gender inequalities: drivers and impact
9.2	Gender based violence.
9.3	Child/Early Marriage: Policies, Causes and impact.
9.4	Female empowerment
9.5	Access to equitable and quality education
9.6	Gender equality in Matrilineal Society
10.	Public Health and Nutrition
10.1	Undernutrition during the first 1000 days- causes and solutions
10.2	Anaemia during life cycle: Determinants and outcome
10.3	Nutrition and Non-Communicable Diseases (NCDs)
10.4	Food Security and Nutrition

11	Application of Artificial Intelligence and Machine Learning in Public Health Nutrition research
11.1	Early Detection of Nutritional Deficiencies and Disorders
11.2	Food and Nutrient Intake Monitoring
11.3	Personalized Nutrition Recommendations
11.4	Predictive Analytics for Disease Prevention
11.5	Nutrition Education and Behaviour Change
12	Tribal Health and Nutrition
12.1	Health and Nutrition Inequalities among Tribal Population
12.2	Traditional Food Systems
12.3	Cultural Preservation and Nutrition
12.4	Food Security and Sovereignty
12.5	Maternal and Child Nutrition
13	Demographic Data and Methods
13.1	Creating and using data for program design
13.3	Data Privacy and Ethics:
13.4	Data Visualisation and Dissemination
13.5	Data Quality Assurance and Validation
13.6	Data Collection Methods and Tools
14	Demographic Approaches to Sustainable Development
14.1	Population, Health, and Sustainable Development
14.2	Demographic Dividend and Sustainable Development
14.3	Urbanisation and Demographic Trends
14.4	Demographic Change and Climate Change
14.5	Population Dynamics and Environmental Sustainability
15	Miscellaneous: Any topics which do not fall in the above-mentioned themes
16	PROF CHANDRA SEKHARAN AWARD
Single-author papers on the conference theme/sub-themes are invited from young scholars (below age 30 years) for the Prof. Chandrasekharan award. Authors of selected papers would be invited to present their research in the Conference. The selected paper will be awarded Prof Chandrasekharan Award. Please note that the paper should not be of joint authorship. Those who apply for Prof. Chandrasekharan Award should select sub-theme 16 as the choice.	

A total of 320 abstracts were received. After review, 131 papers were accepted for oral and 93 for poster presentations.

The scientific organizing committee of the 44th Annual Conference of the IASP consisted of the following:

- Prof Usha Ram, Chairperson
- Dr. Anil Chandran, Member
- Dr. Ajay K Singh, Member Secretary

Conference Delegates

The Conference will be attended by academicians, researchers, students, administrators, development practitioners, NGO representatives, et al.

George Simmons Memorial Oration

The George Simmons Memorial Lecture will be delivered by Professor Sudesh Nangia, former Professor at Jawaharlal Nehru University, Delhi, India at 6:00 PM on Day 1 (November 8, 2023).

The sessions at the Conference:

The three-day Conference will have an Inaugural Session, plenary sessions, 14 technical sessions on specific themes, two poster sessions, and the valedictory session on the last day of the Conference. Senior demographers would be felicitated on day one of the Conference.

The winners of the essay competition held online from graduate and post graduate students from social science from various universities and colleges would be presented certificates in the conference.

Prof. K. B. Pathak award

The Prof. K. B. Pathak award would be presented for the best paper by a young and mid-career scholar in the field of 'Demography/ Population and Health' published in peer reviewed journals in the inaugural session on day 1, November 8, 2023.

Prof. K. Srinivasan award

Prof. K. Srinivasan award would be presented for the two best research – one each in **Technical and Substantive field** by a young and mid-career scholar Published in **Demography India, an IASP Journal** in the inaugural session on day 1, November 8, 2023.

Dr Chandrasekharan Award

Dr Chandrasekharan Award is presented for the best paper authored and presented by a young scholar at the IASP annual conference in a special session scheduled on day 2, November 9, 2023 at 2.30 PM in the TIIR auditorium. The winner would be presented the award in the valedictory session on the last day of the conference.

Prof. S. N. Singh award

Prof. S. N. Singh award for the best poster authored and presented by young scholars at the valedictory session on the last day of the conference.

II: The 43rd Annual Conference of the IASP

The 43rd Annual Conference of IASP was held during December 1-3, 2022 in collaboration with the Population Research Centre, Dept. of Sociology Mohanlal Sukhadia University (MLSU), Udaipur, Rajasthan.

The organizing committee received an overwhelming response from the researchers across the country. Nearly 400 abstracts were received. Besides faculties and students of the MLS university, Udaipur from several departments of humanities, more than 350 participants from nearly 40 organizations, institutions and associations located in various part of the country attended the 3-day conference. This included academicians, researchers, students, administrators, development practitioners, NGO representatives, et al. In the conference 251 attendees registered for the conference. A total of 122 oral presentations in 20 technical sessions and 71 research papers in three poster session were presented during the three-day conference. The participants represented - IIPS (Mumbai), JNU (New Delhi), BHU (Varanasi), Kerala university, Annamalai university, Allahabad university, Delhi university, IGNOU, TISS (Mumbai), University of Gujarat, ICRW (New Delhi), Population Council (New Delhi), UNFPA (New Delhi), NHSRC (New Delhi), IHAT (Lucknow), USAID-Swati (New Delhi), IEG (New Delhi), Piramal Swastyha (Hyderabad), Path India (New Delhi), JHPIEGO (New Delhi), KHPT (Bengaluru), UNICEF (New Delhi), MLS University (Udaipur), Population Research Centres, Ministry of petroleum and natural gas, Central University of Himachal Pradesh, NIHFW (New Delhi), Shanti Niketan (Kolkata), Puducherry University, Representatives of NGOs/Govt. Departments from Assam, Manipur, ICMR institutions, AIIMS, NIITs, Asia Foundation, GS College (Jabalpur) etc.

The session themes were as follows:

Tech. sessions	Theme
I	Family planning, marriage and fertility
II	Sexual and Reproductive Health
III	Age Patterns of Mortality
IV	Health System and Data Tools
V	Violence against Women
VI	Gender and Health
VII	Mental Health
VIII	Backlash of Covid19 Pandemic
IX	Morbidity and Disease Burden
X	Poverty, Income inequality and health
XI	Gender and health of elderly
XII	Objective and Subjective Wellbeing of the Elderly
XIII	Economic burden of health, Health Insurance, OOPE and Public Policy
XIV	Nutrition among Children
XV	Nutrition among Adults
XVI	Demographic/Epidemiological transition
XVII	Internal migration: Issues and challenges
XVIII	International migration: Issues and Implications health
XIX	Maternal and Child Health
XX	Miscellaneous

Inaugural Session: The Conference began with an inaugural session and was attended by over 200 participants. The conference started with inaugural session at 10.00 AM on December 1, 2022. Prof. P M Yadav, Honorary Director, PRC Udaipur welcomed the participants and Prof. Suresh Sharma, President IASP delivered presidential address. In his inaugural address, Shri C R Dewashi, RAS and Registrar, MLSU emphasized the need for intensive research in understanding implications of population growth for future generations and the need for developing policies and programs for the aging population. He emphasized that the population scientists must undertake local and minority issues to help authorities developed evidence based programs and strategies.

Ms. Andrea Wojnar, Resident Representative for UNFPA India and Country Director for Bhutan gave keynote address. She emphasized on the need to undertake rigorous scientific research to look for solutions to facilitate government efforts in reaching the SDGs. She emphasized how fertility and mortality reductions in populations are impacting age-composition of the population which in turn influence future demands of various services and program. She said that the women empowerment, adolescent nutrition, menstrual hygiene, health care needs of the greying population are some of the challenges that are crucial for a country like India. Prof. Usha Ram, General Secretary, IASP announced the winners of the Prof. KB Pathak and Prof. K Srinivasan awards and gave concluding remarks. She mentioned that India's socio-demographic, economic and cultural heterogeneity is an asset. However, it becomes a huge challenge for the policy and program managers to provide universal access to affordable quality of the health care services to enhance population health and well-being. Dr. Jeetendra K Yadav proposed vote of thanks.

Dr George Simmons Memorial lecture: Dr. K S James, Director and Sr. Professor, International Institute for Population Sciences, Mumbai, India delivered The George Simmons Memorial Lecture on December 1, 2022. He talked on the "The Demography of Families in India: An Exploration. He emphasized that the demographers have been interchangeably considering families and households as synonyms. He further stated that the families in India are undergoing tremendous changes. The available evidence suggests that children are going out for higher education leaving parents behind alone as early as in their 40s. Thus living alone is not only an issue of elderly population but is also evident among parents of young children as well. He stated that it was the education that was the most important driver of the family change in India. He advocated for more research on the changing families in India to understand how these effect population health and well-being.

The **first plenary session** was on NFHS 5 findings. Chair Ms. Andrea Wojnar highlighted the importance of unit level data and NFHS in the field of research and in policy making. She mentioned the role of NFHS in various steps taken by government in farming several programs currently running in the country.

Prof. Chander Shekhar presented on Fertility preferences & Stopping Behavior. He emphasized that the fertility is declining in India and that the differentials in fertility levels persist across states. He pointed out that fertility has been declined substantially

in most of the states and overall it is lower than replacement level. Maximum decline has been witnessed in the states like UP, Nagaland, Madhya Pradesh, Bihar and Arunachal Pradesh. However, variation in TFR is clearly visible by socioeconomic status, Education and place of residence. Rural urban difference in TFR is maximum Odisha, West Bengal, Delhi and Assam. Similarly, Chhattisgarh, Himachal Pradesh, Kerala showing a striking difference according to socioeconomic status of women. Though the TFR showing an overall positive figure, but Adolescent Fertility rate is still a challenge in most of the states of North east, Bihar Jharkhand, Telangana, Maharashtra, etc. Age of marriage has been increased a lot but still age specific fertility rate is very much high in the 20-24 years and this is age group is contributing major part of TFR. Additionally, difference in wanted and actual TFR is also and stressing issue, which needs special attention especially in Meghalaya, Bihar Jharkhand, Uttar Pradesh, Rajasthan, Madhya Pradesh, Haryana and Gujarat. This gap is more wide according to socioeconomic status. Relatively, a larger gap between TFR and WFR is found in Bihar, UP, MP, Rajasthan, Haryana and Gujarat. Additionally, Son-preference is still a factor in few states.

Prof. Laxmi Kant Dwivedi presented on State of birth weight and child nutrition and highlighted that the measurement of low birth weight babies suffers from errors and there is a need to address the measurement issues in the future rounds. He also stated that there is a clustering of low birth weight at the women level. He said that although the quality of child anthropometric measurements has improved notably. The birthweight needs to record from MCP cards for further improvement in the birthweight data. He highlighted the clustering pattern of malnutrition among children. In NFHS-5, higher proportion of malnutrition children are from same households and mother, mainly in Bihar, Uttar Pradesh, Rajasthan, Madhya Pradesh and Jharkhand and more the less the pattern was same in NFHS-4. Full immunization, initiation of breastfeeding, exclusive breastfeeding, adequate diet are the main factors impacting nutritional status of children. Apart from stunting, wasting and underweight, low birthweight also shows a clustering pattern. Additionally, low birthweight children are converting in stunting and wasting children in coming ages. Malnutrition level of mothers also determining the nutritional status of children.

Dr. Sarang Pedgaonkar presented on High blood glucose and obesity among women and highlighted that the co-existence of diabetes and obesity, known as diabetes, is becoming a greater challenge for India and urgent actions are required to create awareness in the population about future challenges of this. He noted that the diabetes and hypertension are increasing and both the contribution of both indicators in disease burden is increasing over the time. Obesity has increased among women as well as among men in most of the States. Prevalence of obesity is highest in southern states, Tamil Nadu, Kerala, Karnataka, Telangana. In north, Punjab, Haryana, Himachal Pradesh and Jammu Kashmir also shows higher prevalence of obesity. High blood glucose and obesity both are showing a clustering pattern. Early diagnosis of diabetes and hypertension needs attention and it should be done at primary health centre level.

Prof. Hemkothang Lhungdim spoke on Empowerment and its reflections on women's health and emphasized that although progress has been made, however, the levels are lower than many populations and there is a greater variability across regions. Achieve gender equality and empower all women and girls, which is Inter-ministerial but also essential for other SDG Goals. He reminded that as identified by the WHO, concerted effort needed to address Gender issues at two levels – harmful and rigid gender norms. He also emphasised on strengthening and expanding the ARSH programs and consider including a module for/on Boys and Men.

The **second plenary session** was on Maternal and Neonatal Mortality Transition in India: Findings of MNH Exemplar Study. Prof. Usha Ram presented on Analytical Framework, Data Source, Methods and Mortality Transition Model. She stated that positive public health approach is needed to understand and identify drivers, processes and health system changes that help attain India exemplary reductions in maternal and newborn mortality over the past two-decades. These learnings can help develop strategies and policies to bring similar achievements in other populations. Dr. KI Shajy presented on National Results: The maternal and newborn mortality transition in India. The findings suggested that improvements in coverage indicators during prenatal and natal period coupled with rise in c-section deliveries and reductions in inequality, especially during the NHM+RMNCHA period have led to impressive reductions in maternal and newborn mortality in India. The contextual changes and fertility reduction too have contributed towards these achievements. Dr. Ravi Prakash presented study results on State Cluster Results: The maternal and newborn mortality transition in higher and lower mortality states in India. He emphasized that the trajectories of the change in the maternal and neonatal survival improvements in India has been different in the higher and lower mortality state clusters. The lower mortality state cluster has experienced the declines in the levels more than a decade earlier than the higher mortality state cluster and that the lower mortality state cluster has advantage over the higher mortality state cluster since they began with much higher levels of intervention coverage, enabling social and economic environment. The C-section coverage and lower fertility played a significant role in mortality reductions in both clusters.

Dr. Manoj Alagarajan presented on State Results: Trends, levels, and drivers of maternal and neonatal mortality rate reduction in six states of India. He discussed on the pathways and facilitating factors in each of the six states within the higher and lower mortality state clusters and emphasized that they were similar in many ways, yet differed in nature and relative importance across states.

Dr. Himanshu Bhushan summarized the findings of the study and way forward under Conclusions: How did India reduce maternal and newborn mortality since 2000? The MNH transition model provides a tool to guide discussions on progress, current situation and future strategies, incorporating progress on six key dimensions of mortality transition – Mortality levels, cause pattern, coverage for interventions, inequalities, fertility and socioeconomic development. It is useful for benchmarking for future progress. For instance, the strategy development for the higher mortality states

can draw upon some of the lessons learned in the lower mortality states during the past 15 years. Similarly, a comparison of the most recent values for key indicators in the lower mortality state cluster (2017) with the common (median) values obtained from all countries in stage V may give some strategic insights for future planning. Despite major reductions in inequalities in coverage, the poor-rich gap in neonatal mortality remained surprisingly large in both the state clusters (21 and 19 per 1,000, respectively). Reducing this gap remains critical through a comprehensive pro-poor focus, as is typical for countries in advanced stages of the transition (to only 7 per 1,000 live births). The study findings suggested that the Exemplar states with higher mortality baseline levels started with less density of facilities and human resources for health, and thus focused on expanding health facilities and improving quality ANC, BEmONC, and later HBNC with in-service training, mentoring and upskilling of CHWs, nurses and general doctors, with recent focus on increasing specialists through training/need-based deployment. Further, the Exemplar states with lower mortality baseline levels started with good availability of services and health workers, and so were able to target efforts to improve access to disadvantaged groups specifically, and quality of CEmONC facilities and SNCUs (mainly hospitals) generally through enhanced training and need-based deployment.

The study found that at different time points, all states streamlined public procurement systems by establishing medical services corporation, engaged in regular review processes, enhanced quality and use of digital information systems, and established GIS-fitted emergency transport with integrated call centres. The shifts from equitable access towards quality in public MNH services in the exemplar states was underpinned by strong central and state political will, leadership, coordination, and partnerships across government, private organizations and civil society. This was buttressed by widespread NRHM/NHM's administrative reforms that allowed flexibility for localized planning, spending, innovation and implementation. He concluded saying that to help India further reduce NMR and MMR and reach the SDG targets, it would be valuable to focus on further support to disadvantaged groups and regions to access and afford high-quality MNH services, and especially CEmONC for those who need, complemented by efforts to continue socio-economic development and women's empowerment.

The **Third plenary session** was on Tribal health. Dr. ADITI, Piramal foundation presented on Tribal health population and Covid-19. She discussed findings of project named Anamaya (Disease free tribal population) implemented in 2021-2022 on Ashwasan campaign to reach out to the tribal communities. The key learnings from the project informed that the engagement with the community is crucial and that the misconceptions and myths are the main source of stigma in the tribal population. She further emphasized that building and integrated service delivery system during the pandemic was helpful in building a resilient healthcare system. And that the tribal communities, surveillance is important to understand the disease transmission. Ms. L. Chawnthu from MIMI, Jhpiego, India spoke about NISHTHA, an initiative by Jhpiego which focuses on tribal health population and comprehensive primary health care. It follows the approaches as – Acceptable, Appropriateness, Accessible, Decentralized planning, Flexible, Comprehensive, and Dynamic. The efforts have played a great role

in strengthening the midwifery care in the areas where the tribal population is hard to reach. The key innovations of the projects include – Tale track, Swasthya Vani Swasthya sampark, Covid sanchar, and Floating home isolation kit band. The major conclusion of the projects emphasized that the increased accessibility to the remote population is important, training of the frontline workers is essential and that there is a need for strengthening the overall healthcare system including the PHCs, and sub-centers.

Dr. J F Munjattu, KHPT, India began by saying that the KHPT is focused on addressing the issue of T.B. among tribal population and eliminating T.B. Through community engagement. The major gaps found include, T.B. PREVENTION IS not a major concern for any community, Late and incurable diagnostic is common, Low family and community support, and that the Prevention activity are not prioritized. He stated that their intervention has brought better understanding the behaviour of the patients through qualitative study. The T.B. Health Auto: to tackle the problem of transportation to the health care facilities and the role of educating and empowering the care givers (Jaanch coupon) is useful. He concluded by saying that the T.B. Mukta certificate (Treatment completion certificate) to reduce the stigma. The last presenter, Dr. Dinesh Baswal, Path, India mentioned that the Path is focused to address tribal health challenges, share technical know-how and increasingly support local innovations. They have started some major initiatives to tackle the problem of accessibility and affordability of appropriate health care among the tribal population. Their major problem is sustainability. He informed that they are working on strengthening the frontline workers (AAAs) and VHSNCs (Village Health Sanitation and Nutrition Committee) to focus on the prevention of outbreak in the tribal communities.

The **Fourth plenary session** on the theme Nutrition policy of India had two presenters: Dr. William Joe and Dr. Preeti Khanna. They addressed the presentation on anemia in India with specific reference to anemia amongst the pregnant women and social protection policies for nutrition. Dr. William Joe, the first presenter highlighted concept of anemia and made it a point to capture the relevance on the topic followed by the prevalence of an anemia and its association with life expectancy; status of anemia in India & its prevalence. He mentioned that there is a need for holistic approach for anemia and AMB will be more resourceful to improve the IFA coverage among pregnant women and anemia testing along with identification of causes should be initiated with the national programs like PMMVY and public health insurance funds. He added that the Life cycle approach should be strengthened through ensuring iron consumption. Social protection schemes can play a critical role in reaching out the poor and vulnerable section.

Dr. Preeti Khanna, the second presenter, focused on Social Protection Policies for nutrition which cover range of policies & programs to reduce the lifelong program of poverty and exclusion. These programs were: ICDS, JSSK, JSY, PMMVY, TPDS etc. She stated that the major determinants which affect the nutritional status of women and children are: immediate determinants (good diet & care), underlying determinants (adequate feeding & healthy environment) and enabling determinants (good governance & positive norms). In Philippines and Bangladesh, Cash transfer and

workforce program increase expenditure on food as well as caloric intake. Increased intake of healthy foods (vegs, milk, eggs) which reduce the maternal and neonatal death were noted. She emphasized that the improved cash transfers in general has increased the per capita expenditure on medical and health services and increased the health seeking behavior especially for children. The session concluded stating the need for a comprehensive approaches including multiple sectors as social protection, health, education and WASH can better tackle complex challenges of malnutrition and poverty. Multiple competing priorities like fund transfer- cost of nutritious diet, intertwined decisions between consumption and livelihood needs.

The **fifth Plenary session** dealt with Gender Transformative Programming with Adolescents: Insights and Learning. Dr. Hemlata Verma was the Chair. There were four presenters in the session. Dr. Hemlata Verma commenced the session with her opening remarks by highlighting the conceptual framework on "Gender Transformation for Gender Equity". Various aspects were examined as gender inequity is the root cause of every problem that is faced worldwide. In such a scenario, action is to be taken and there is an immediate need to reshape the policies by understanding the gender norms in-depth. Several issues were elaborated at an individual, community, and local level. The topic took an approach of socio-ecological approach. The research has indeed, illuminated by informing solutions, creating sustainable practices, expanding the mindset of the young generation and lastly, addressing the challenges. Aditi Vyas from ICRW mentioned that the research was undertaken in Delhi and Jharkhand amongst girls studying in 9th and 11th standard. It was an action-based research which comprised multi-level, multi-stakeholder approach. Ms. Vyas captured the session by highlighting gender integration, life skills, employability skills plays an integral part in any girls' life. She stated that the training imparted to students had a curriculum which targeted adolescent girls and focused areas such as: Self, Self-Efficacy, Resourcefulness, and Employability. Thus, the implication from this training was that there is a need to: Commence early as to influence identity, gender attitudes, and aspirations, Leverage mothers as potential allies, and Safe spaces in schools and thereby enable a friendly environment. She concluded that the onus for change is not on the Cohort but not on the entire ecosystem.

Sapna Kedia of ICRW share their work on **Working with Men and Boys** The session captured issues such as their risk taking behavior, violent behavior, reasons on why suicides are majorly happening amongst the men/boys. This was examined with young men/boys; young girls/women as to understand their perspective across different socio-economic strata and gender identities. Several questions were probed as to understand the root cause behind it and on what levels should we work with this gender such as Individual/Family/Community/Institution/Media. And its impact on one's individual behavior, attitudes, and changes in policies. **Ronak Soni, ICRW talked on Gender Equity Movement in Schools(GEMS)**, a school-based intervention which aims to promote equality among girls and boys which considers social norms that defines men and women's role. It was a primary based research in the state of Rajasthan and specifically in 2 districts namely i.e., Udaipur and Sirohi from 6th to 8th class boys. Here school was a medium as an institution to foster gender equality. Numerous approaches were used to make them aware such as Classroom

instructions, workshops, school campaigns etc. By the end of the program, there would be perspective building, learning through key messages. The recommendations on this aspect were many: Engagement at personal level, the training should be started at a very young age, provide safe space as to share their experiences, and Self-initiation should be adopted within the school officials. Overall, the session articulated the strategies for adopting a gender transformative approach in designing, implementing, and gauging the gender inequality. The nuances were well captured by all the presenters.

Technical and Poster Sessions: Besides plenary session, the three-day conference had 20 technical sessions and three poster sessions on specific themes. **The detailed 3-day program including technical sessions and poster sessions along with the papers presented is available in the annexure A1 at the end of the report.**

Valedictory session: The valedictory session began with a formal welcome address by the IASP president Prof S Sharma. The General Secretary IASP in her concluding remarks summarized the key messages emerging from the deliberations and debates in the conference for future research. She emphasized on undertaking more rigorous scientific research to understand changing families in India as pointed out by Prof James in his George Simons memorial lecture. More efforts are needed to understand changing family planning / contraceptive needs, sex ratio at birth and challenges of anemia/under-nutrition, Aging and burden of NCDs, more specifically related to hypertension, diabetes, CVDs. She stated that there is need to take positive public health approach in our research where we attempt to understand factors that led to success in reducing mortality/fertility and gaps in them from states/districts within India. She reminded that learning of success stories from varied contexts and setting within countries can be translated in other populations/areas where improvements needs acceleration. She also said that more research is needed to understand prevailing health inequalities, minority health issues, health system research to identify corrective measure for future improvements. She later announced the winners of S Chandrasekaran award, Dr. S N Singh award and Essay Competition. The president presented the certificate and prize money to all winners and congratulated them for their achievements. The president welcomed all participants and invitees who joined the annual conference. This was followed by a brief description of the 3-day activities during the conference by the conference general rapporteurs Dr. Anil Chandran. The session and conference was declared closed after the vote of thanks by Dr. Jeetendra Yadav, Treasurer, IASP.

Felicitation of the Senior Demographers: The IASP – EC recommended felicitating five senior demographers to acknowledge their contribution in the field of demography/population studies. They are:

1. Dr. C M Pandey
2. Dr. A K Sharma
3. Dr. Mallika Mestry
4. Dr. R K Sinha
5. Dr. P M Nair

Dr Chandrasekharan Award Papers: Dr Chandrasekharan Award session was scheduled on the second day of the conference in a special session. The Dr Chandrasekharan award for the year 2022 was jointly awarded to Mr. Prakash Kumar and Ms. Aditi B Prasad for their research on “Years of life lost on roads in India: Analysis of gain in life Expectancy after elimination of road traffic fatalities” and “The burden of unpaid activities on gender equality in Indian state”, respectively.

Dr S N Singh Award: Dr. SN Singh award was presented for best posters in each of three sessions to the following:

- Poster session 1: Ms. Veena Vinod P for the best poster on “Factors affecting neonatal mortality”
- Poster session 2: Binayak Kandapan for the best poster on “Ill-treatment and associated mental health outcomes among older female adults in India”
- Poster session 3: Ms. Trupti Meher for the best poster on “Premature menopause among women in India: Evidence from national family health survey – 5”

Essay Competition: For the first time, essay competition was organized for young researchers at the annual IAPS conference. The theme of the essay was: **What is sustainable development? Discuss the factors that lead to sustainable developments.** The word limit for the essay was set at 1500 words. Winners of the essay competition were presented the certificates and token prize in the valedictory session. The names and affiliations of the winning essays are given below:

- **First prize:** Ms. Archana Satheesh, Deptt. Of Demography, University of Kerala
- **Second prize:** Puja Kumawat, Deptt. Of Geography, Mohanlal Sukhadia University, Udaipur, Rajasthan.
- **Third prize:** Mr. Krishna Kumar, Jawaharlal Nehru University, New Delhi

General Body Meeting: A General Body Meeting of the IASP members was held on day 2, December 2, 2022 on of the conference between 5.30 PM to 6:30 PM in the auditorium of the Monhanlal Sukharia University, Udaipur, Rajasthan.

Conference Scientific organizing committee: The organizing committee of the 43rd annual conference of the IASP consisted of following:

Prof Usha Ram, Chairperson
Dr. Archana Muthye, Member
Dr. Ajay K Singh, Member
Dr. Kunal Keshri, Member Secretary

III. North-eastern Regional Conference of IASP 2023

The IASP promotes and facilitate dissemination and stimulation of research on population issues at local levels. For this, the IASP organizes regional conferences in different parts of the country. In this series, the IASP organized its Northern Eastern Regional conference comprising of eight north eastern states of Arunachal Pradesh,

Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura. The conference was organized jointly with the Bodoland University, Kokrajhar, Assam during May 18-19, 2023. The theme of the conference was '**Population, Development and Health in Northern-Eastern India: Challenges Ahead**'

The committee received a total of 213 abstracts of which 51 were selected for oral presentations and 21 were selected for poster presentations. The participants included academicians, researchers, students, administrators, development practitioners, NGO representatives, et al. from within and outside state. In the conference 40 attendees registered for the conference. A total of 40 oral presentations in 8 technical sessions and 10 research papers in a poster session were presented during the two-day conference.

The call for abstract submission was made under the following broad themes:

S.No.	Broad themes	Possible sub-themes
1.	Nuptiality, Fertility, Infertility and Family Planning	A. Fertility preferences, intention, timing and childbearing, parity and parenthood, correlates of infertility; Covid pandemic and fertility B. Marriage, marriage dissolution, Covid pandemic and marriage C. Demand and unmet need for contraception, contraceptive dynamics, Barriers to contraceptive use, covid-19 and contraceptive use, post-partum contraceptive use D. Issues and Challenges of child marriage
2.	Mortality, Longevity, Morbidity, Public Health and health care expenditure	A. Maternal and child mortality and morbidity B. Causes of death C. Health and life longevity D. Insurance coverage, Out of pocket health expenses E. Adult mortality F. Health/epidemiological transition G. Stillbirths H. Traditional Healthcare Practices I. Indigenous child rearing practices
3.	Reproductive and Sexual Health	A. Sexual and Reproductive Health of Adolescents and Youth B. Men and sexual and reproductive health C. Reproductive wastage, Abortion D. Covid pandemic and reproductive and sexual health E. Empowerment and equity in reproductive and sexual health
4.	Migration and Development in Northeast India	A. Out-migration from Northeast India B. Migration Pattern C. Migration and socio-economic inequality

S.No.	Broad themes	Possible sub-themes
		D. Migrant Rights, Discrimination and Migration Policy E. Health and migration F. Migration, Women and Children G. Covid-19 and Migration H. Issues of Illegal migration to Northeast India I. Refugees Inflow and Issues of Citizenship J. Ethnic conflict and Internal Displacement of Population
5.	Adolescent, Gender, and Development	A. Gender inequalities: drivers and impact B. Gender based violence. C. Child/Early Marriage: Policies, Causes and impact. D. Female empowerment E. Access to equitable and quality education F. Gender equality in Matrilineal Society
6.	Health and Nutrition	A. Undernutrition among children, pregnant women B. Anemia during pregnancy: Determinants and outcome
7.	Data management and Quality	A. Data quality and management B. Creating and using data for program design
8.	Special Session on Assam	A. MMR and IMR in Assam B. Maternal and Child Nutrition C. Migration, causes consequences in Assam D. Access to health care services in Assam

The Conference began with an inaugural session and was attended by over 100 participants across the country. The session began by opening remarks from Dr. Ajay K Singh, joint secretary, IASP followed by presidential address from Prof. Suresh Sharma where he highlighted the importance of holding regional conferences for capacity building of local researchers on one hand and provide a platform to bring them and the policy makers and planners together to discuss and come up with solutions for evidence based planning of program and strategies to achieve health and demographic goals. The key note address was delivered by Dr. Manjil Basumatary, Academic Registrar, Bodoland University. Prof L Ladu Singh, the Vice Chancellor of the Bodoland University gave special remark on the relevance of the conference and how this would encourage discussion and debates among the local researchers, policy makers and program implementers to work towards better understanding of population and health issues in the region and thereby help towards improving the lives of people in the region. Prof. Usha Ram, General Secretary gave concluding remarks. She highlighted the great demographic and health diversity in this region and the larger intra-region variations in fertility and mortality. She emphasised that the papers that would be presented during the two-day conference would help us

understand the demographic diversity in the region. The session concluded with a formal vote of thanks by Dr. Jeetendra Yadav, Treasurer, IASP.

The **first plenary session** was on "RASTA: Knowledge Building on Health and Nutrition in Northeast Region organized by the Population Council, India". The session was chaired by Prof F Ram, Former Director, IIPS, Mumbai and moderated by Dr Rajib Acharya, Population Council, India & Dr. Subrata Mondal of the USAID. Four presentations were made in this session. Dr Hemanta Meitei, Manipur University, Imphal discussed on 'Family Planning in the Northeast India: Geographic, demographic, and programmatic priorities'. This was followed by a presentation on 'Sexual and Reproductive Health of Adolescent and Youth in NE India: District level analysis' by Prof H Lhungdim, IIPS, Mumbai. Prof Bimal Kumar Kar, Guwahati University, Guwahati presented on 'Assessing geographical vulnerability for MNCH in Northeast India' and Prof Vandana Upadhyay, Rajiv Gandhi University, Itanagar discussed on 'Tribal Health and Nutrition status in North-Eastern States of India'

The **second plenary session** was on "Maternal Mortality with Special Focus on North-East Region". Prof. K S James, Director IIPS chaired the session and Prof. Ladu Singh was the moderator. The session had four experts who covered various aspects of maternal mortality in the region. The four speaker of the session were – Dr. Sanjay Kumar UNFPA, Dr. Subrata Mondal, USAID, Prof. Dilip Chandra Nath, Professor Emeritus, School of Applied & Pure Sciences, The Assam Royal Global University, Guwahati and Prof. Polly Vauquiline, Department of Women's Studies Guwahati University, Guwahati

Technical and Poster Sessions: Besides plenary session, the two-day conference had 8 technical sessions and one poster sessions on specific themes. **The detailed 3-day program including technical sessions and poster session along with the papers presented is available in the annexure A2 at the end of the report.**

Valedictory session: The valedictory session was chaired by Prof F Ram, Former Director, IIPS. The session began with a formal welcome address by the IASP president Prof S Sharma. The chairperson in his address congratulated the IASP and Bodoland University team for a successful conduct of the regional conference. Prof Ladu Singh reiterated on importance of the regional conference and how these could be catalyst in promoting research culture among young students and productive interactions between the researchers, academicians, government planners and policy makers and the development partners to work collaboratively to improve health status of the people living in the region.

The General Secretary IASP in her concluding remarks summarized the key messages emerging from the deliberations and debates in the conference for future research. She emphasized that the North-eastern region is not a homogenous group. Rather heterogeneity in the region is much more than we see across other parts of the country primarily due to the fact that the region is home to several tribes which have their own unique and distinct socio-cultural practices. Additionally, geography of the region and

having internal borders with several other countries bring in additional vulnerabilities to the local populations. In spite of progress, the socio-economic and health indicators in the region are poorer than several other states in the country. As a result, maternal, newborn and child health status of the people poses greater challenges. Access to health care services, both in public as well as private health sector is poor due to lack of health infrastructure, especially in the remote areas of the region. At the same time, quality of available health care services too is challenge for a major part of the population in this region. The progress in coverage of maternal and child health intervention indicators continues to be a challenge for the peoples.

The session and conference was declared closed after the vote of thanks by Dr. Jeetendra Yadav, Treasurer, IASP.

Organizing Committee of the conference comprised of following members:

A: Members of the IASP

Prof. Suresh Sharma, President
Dr. D P Singh, Vice-President
Prof. Usha Ram, General Secretary
Dr. Ajay Kumar Singh, Joint Secretary
Dr. Jeetendra Yadav, Treasurer

B: Members of the Bodoland University

Prof. Laishram Ladu Singh, Vice-Chancellor
Dr. Manjil Basumatary Academic Registrar
Dr. Pralip Kumar Narzary, Professor, Dept. of Geography
Dr. Sibani Basumatari, Asst. Professor, Dept. of Geography
Dr. Konita Basumatary, Associate Professor, Dept. of Economics
Dr. Jhanin Mushahary, Asst. Professor, Dept. of Political Science
Dr. Manab Medhi Asst. Professor, Dept. of English
Mr. Bhoresh Daimary, Asst. Professor, Dept. of Geography

IV. Publication of Demography India

The Volume 52, Issue 1 of January to June, 2023 of the Demography India is published and can be accessed on <https://demographyindia.iasp.ac.in/>

V. Activities undertaken by the present IASP team (2022-2024)

A. IASP News letter

The March 2023 newsletter of the IASP is published and is accessible on the IASP website.

B. World Population Day 2023

The Population Research Centre, Institute of Economic Growth, in collaboration with the Indian Association for the Study of Population (IASP), organized an event to observe World Population Day on July 11, 2023. The event was financially supported

by the Ministry of Health and Family Welfare, Government of India (Statistics Division). The event saw in participation a total of 178 participants from various institutions and agencies including eminent demographers, who have contributed extensively to the field of population and health sciences.

The event commenced with the ceremonial Lamp Lighting, followed by a tribute to Prof. V.K.R.V Rao, the honorable founder of the Institute of Economic Growth. Following this, the distinguished guests were welcomed to the dais, including Ms. Anjali Rawat, Deputy Director General, Ministry of Health and Family Welfare; Professor Chetan Ghate, Director, Institute of Economic Growth; Professor K. Srinivasan, a renowned demographer; Ms. Andrea Wojnar, Resident Representative, India, UNFPA; Dr. Niranjana Saggurti, Country Director - India, Population Council; Dr. Ajay Kumar Singh, Joint Secretary, Indian Association for the Study of Population; and Professor Suresh Sharma, President Indian Association for the Study of Population, Head, Population Research Centre Delhi. The distinguished guests were welcomed and regarded with a symbolic memento.

Prof. Suresh Sharma delivered the welcome address. Prof. Chetan Ghate formally declared the event open and spoke about population dynamics and the economics of population growth.

Professor K. Srinivasan was felicitated for receiving the International Union for the Scientific Study of Population (IUSSP) Laureate award 2023. This followed first session on the theme "Unleashing the power of gender equality: Uplifting the voices of women and girls to unlock our world's infinite possibilities." Ms. Anjali Rawat, Deputy Director General, Ministry of Health and Family Welfare, chaired the session. Professor Srinivasan, discussed the continuing stability of the institution of marriage in the context of improving gender parity in India. His talk shed light on the dynamics and implications of marriage in relation to gender equality and offered an insightful gendered lens into the marriage dynamics of the country. Dr. Niranjana Saggurti spoke on adolescent rights and on the status quo of adolescents, their aspirations, their deprivations, and what key sectoral areas need to be strengthened to promote a holistic growth of adolescents in India. Key note speaker, Ms. Andrea Wojnar spoke on the "hope" that the human population must be envisaged as, while planning for sustainable development and growth and emphasized on the need to look beyond population stabilization and focus on a holistic development approach for the upliftment of women and girls primarily.

The second session focused on perspectives related to population and health governance. Dr. Subrato Mondal, of the USAID, shared his thoughts on the role of the private sector in promoting health and wellbeing for all. His presentation included important insights into the CSR landscape of India, and the need to strengthen collaborations and partnerships through a strategic framework for enhanced public welfare. Ms. Anjali Rawat, Deputy Director General, Ministry of Health and Family Welfare shared her valuable insights on the role of real time monitoring systems in surveilling public health programs. Her presentation included an informative background on the development of Health Management Information System (HMIS), and its design. The presentation highlighted the centrality of leveraging technology in strengthening the public health planning in India.

The event concluded with a formal vote of thanks delivered by Dr. Jeetendra Kumar, Treasurer, IASP, expressing gratitude to all the participants and attendees.

C: Distinguished lecture series

Beginning June 2022, the IASP initiated a new activity under the 'distinguished lecture series by the eminent demographers and the population scientists. In the reporting period, nine lectures have been organized in this series.

Lecture 6: Prof Parveen Nangia, Interim Dean, Faculty of Arts, Laurentian University, Canada delivered on December 23, 2022. He presented on **Prevalence of discrimination in Canadian labour market.**

Lecture 7: Dr. Agnihotram V Ramanakumar, PhD, an accomplished healthcare researcher specializing in cancer epidemiology, health service research, biostatistical methodology, and artificial intelligence techniques. He has nearly two decades of experience working in high-profile global organizations such as the World Health Organization (IARC), McGill University, McGill University Health Center, and Analysis Group delivered on August 27, 2022. He presented on "Evaluating the impact of COVID-19 on Cancer Declarations in Quebec, Canada."

Lecture 8: Dr. Gunjeet Kaur delivered the 8th distinguished lecture on 18th March 2023 on "**HTA: An Introduction**". She discussed how Health Technology Assessment (HTA) is a well-established process for deciding which health interventions to choose and fund under publicly funded healthcare in high-income and few upper middle-income countries and how it acts as a bridge between the world of research and decision-making process. She emphasized that HTA is becoming increasingly important in lower-middle-income countries and low-income countries for resource-allocation decisions in health and provided a glimpse of HTA across globe, its concepts and applications.

Lecture 9: B M Ramesh, Assistant Professor at the Department of Community Health Sciences, and Assistant Director, Research and Knowledge Translation at the Institute for Global Public Health, Rady Faculty of Community Health Sciences, University of Manitoba (UoM), Canada. He is also a founding member of India Health Action Trust (IHAT). Dr. Ramesh delivered the 9th lecture in the series on **April 7, 2023 on "Geographic and socioeconomic inequalities in the coverage for selected MNCH services and outcomes in rural Uttar Pradesh, India."**

Lecture 10: Dr. Li Liu, Associate Professor in the Department of Population, Family and Reproductive Health at JHBSPH delivered the 10th lecture in the series on May 4th 2023 on "Pushing the conventional envelope of Demography: considerations of stillbirths and their misclassification with neonatal deaths"

Lecture 11: Professor Prabhat Jha, University Professor at the University of Toronto, Endowed Professor in Global Health and Epidemiology and Canada Research Chair at the Dalla Lana School of Public Health, and the founding Director of the Centre for Global Health Research at St. Michael's Hospital delivered the 11th lecture in the series on June 26th Monday 2023 on "**Nationwide mortality**

studies: Counting the dead to help the living”

Lecture 12: Dr. Manoj Murhekar, Director of the National Institute of Epidemiology (NIE), Chennai, a permanent institute of the Indian Council of Medical Research delivered the 12th lecture in the series on July 26th 2023 on “**Sero-surveys for public health decisions making**”

Lecture 13: Prof Lisa Stronchein, Professor in the Department of Sociology at University of Alberta, Canada delivered the 13th lecture in the series on August 11th 2023 on “**An appetite for change?**”. Lisa is known internationally for her work on how family dynamics influence the health, development and well-being of children and adults.

Lecture 14: Dr. John Stover, Vice-President and Director, Centre for Modelling, Planning and Analysis at Avenir Health (formerly Future Institute) delivered the 14th lecture in the series on October 25th 2023 on “**Monitoring the performance of the family planning program in India**”. Dr. Stover has 40 years of experience in assessing population and health issues in developing countries and in providing technical assistance in policy analysis, awareness- raising, modelling and planning.

D. Monthly meetings of the IASP executive committee: Since its inception last year in May 2022, the IASP Executive Council members continue to meet on the First Sunday of every month at 11.00 AM and discuss matters related to various activities of the IASP and review the progress. The members also plan strategies to strengthen existing activities as well as plan new ones to make the association more engaging and visible. During the reporting period, nine more such meetings have been held and the minutes are posted on the IASP website.

E. Edited book entitled “Population Health and Development Experiences and Challenges” based on the papers presented in the 43rd IASP conferences held in 2022

The success of any academic association lies in its contribution to the body of literature in the discipline. As the oldest association of demographers and public health researchers, the Indian Association for the Study of Population (IASP) has been at the forefront, contributing to the growth of the discipline. In its 52 years of existence, IASP has been organising annual conferences and workshops and several other similar programmes to the cause. The 43rd Annual Conference of IASP was held at the Mohanlal Sukhadia University, Udaipur, during December 1-3, 2022. We are happy to come out with an edited volume of selected papers presented at the Udaipur Conference.

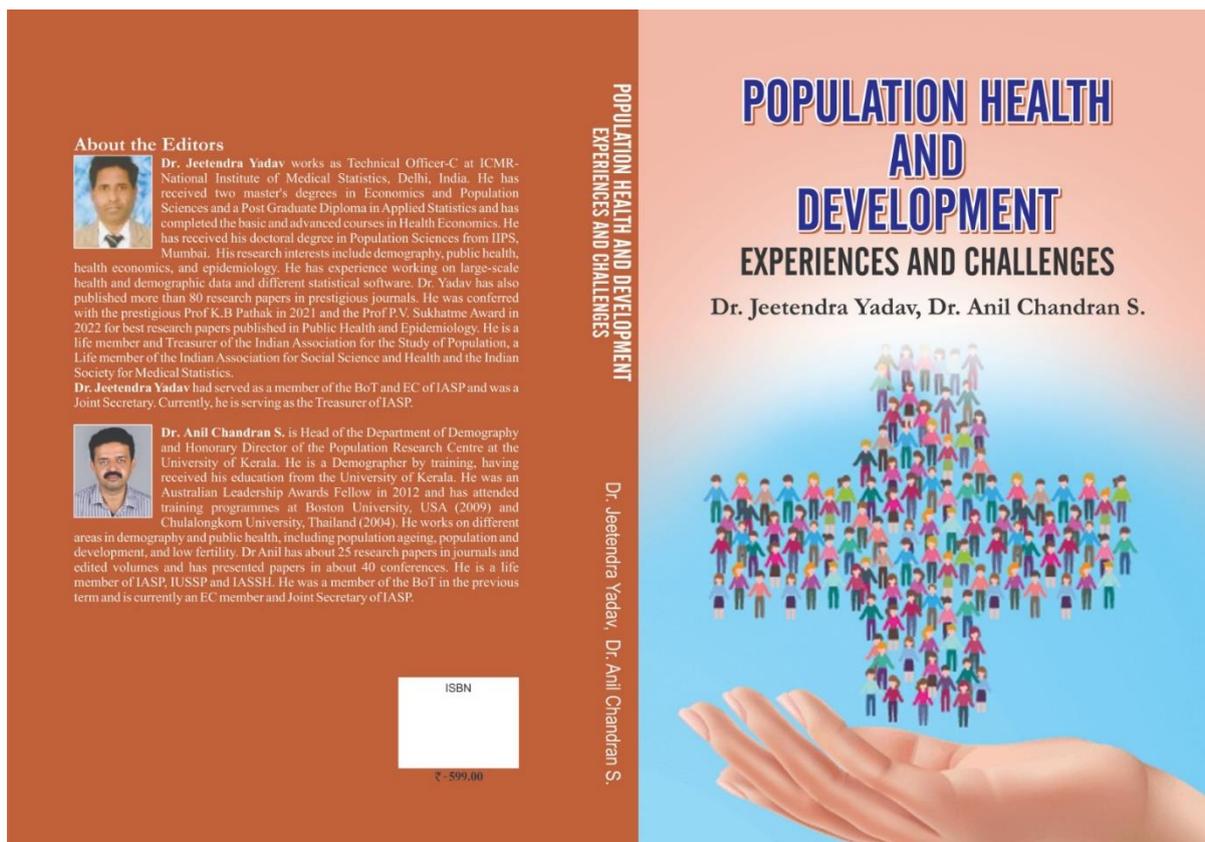
Dr Jeetendra Yadav and Dr Anil Chandran S. came up with this edited volume published on October 23, 2023. This volume has 19 chapters covering population dynamics and public health issues. The first paper is by Dr. Sujata Choudhury entitled Analysis of the Contentment And Acceptability Indices of NRHM among Rural Households of Assam. Dr Rajeswari A Biradar has worked on ‘Status of co-morbidities, food practices and its association with hypertension in Jammu and Kashmir’ and is included as Chapter 2.

The paper, Mental And Motor Development of Children (0 To 42 Months) At Anganwadi Centers of High Burden District of Central Regions of Uttar Pradesh, India written by Dr. Priyanka Suryavanshi is presented as Chapter 3 and Chapter 4 is written by Dr Anil Chandran S and Dr Asha T. Chacko on Depression among Older Persons: Another Public Health Challenge for Kerala.

Chapter 5 is written by Aditi Das on COVID-19 and Women Associated with Bamboo Crafts in Assam. While the sixth Chapter is by Abhishek Sharma and Dr Kaushalendra Kumar on Medication nonadherence among inpatients in India: Commenting on Current scenario, Chapter 7 deals with Non-Communicable Diseases among Males And Females in Rajasthan: A Brief Comparison by Dr Archana Muthye. Dr. Malika B. Mistry has contributed the eighth Chapter entitled Disability among the Elderly Population and Institutional Support: A Case-Study from Pune City. The work on 'Prevalence of disabilities and its financial burden in Northern Region of India' carried out by Ravina Ranjan and Dr Jeetendra Yadav is presented as Chapter 9. Chapter 10 is on Spatial Clustering of Diabesity and its predictors among reproductive-aged women in India: Insights from NFHS-5 (2019-21), written by Kirti Kirti and others. Dr AK Tiwari's paper entitled Socioeconomic Status Measurement Scale for Rural Population:

A Caste-Wise Analysis is given as Chapter 11. 'Our poverty has no Shame; the Stomach has no Shame, so we Migrate Seasonally: Women Sugarcane Cutters from Maharashtra' is the 12th Chapter and is authored by Dr Saroj Shinde and Dr Prof. Bal Rakshase. Chapter 13 is written by Richa Panchgaur and others on Mortality Analysis in Rural Regions of Northern India during Covid Pandemic: A Cross-Sectional Survey Using Verbal Autopsies. Chapter 14 discusses 'Linkages of Intimate Partner Violence, Coercive control, Alcoholism and Mental Well-being: A Community-based Study in Delhi' and is written by Sampurna Kundu and Dr Sanghmitra Sheel Acharya. Chapter 15 is written by Labhita Das and Prof. Chander Shekhar on Immediate and Delayed Adoption of Postabortion Contraception in India.

Chapter 16 is on Sibling sex composition is associated with unintended pregnancy and future family planning method among reproductive women in India: Findings from NFHS-5, written by Manish Kumar and others. Chapter 17, written by Ravina Ranjan, discusses Extent of Sex-Preference and associated factors among Married Couples for their Children in India. Rajesh Raushan and others contributed Chapter 18, which discusses Child Marriage and Intimate Partner Violence among 20-24 Years Women in Indian States using Large Scale Survey Data. The last chapter, Chapter 19, entitled Spatial Clusters and Correlates of Childhood Malnutrition in India is written by Dr. Gudakesh and Col (Dr) Arun Kumar Yadav.



E. Edited book entitled “Health and Demography in Northeast India: A regional perspective”

This book edited by Dr. Suresh Sharma, is based on the selected papers presented in the North region conference held at PRC, Srinagar (2022) and is published by the B.K. Books International, Delhi

About the Book: North-eastern India stands out for its diversity in terms of cultures, languages, and landscapes. Yet, this diversity is mirrored in the complexity of health issues that the region faces, necessitating an in-depth study of its healthcare landscape. This book serves as a comprehensive exploration of the health and healthcare landscape in the North-eastern India.

This edited compilation fills a crucial gap in the broader discourse on public health in the country. As an assemblage of research submissions by various authors, this book offers a holistic perspective on the distinctive health challenges, patterns, and determinants particular to this region. The chapters within this book are meticulously curated to address the pressing health concerns in North-eastern states, shedding light on the importance of studying these topics in this context.

The region's health scenario is marked by singular challenges that necessitate specialized interventions. The chapters explore topics ranging from maternal and child health, morbidity patterns, to violence and healthcare access, uncovering critical facets of public health. Moreover, this collection accentuates the need for a comprehensive

understanding of the intricacies of health and healthcare in the North-eastern states. It is a valuable addition to the broader discourse on public health in India, ensuring that the health landscape of this region receives the attention it merits.

Notably, discussions on the health landscape of Northeast India have been scarce, and this book takes a significant step towards addressing this gap. By providing a platform for informed commentary and constructive dialogue, it contributes to the enhancement of healthcare in this unique and diverse region. This book not only serves as an academic resource but also as a catalyst for better healthcare policy and practice in the North-eastern states of India, ultimately improving the well-being of its people.

VI. New Initiatives by the EC:

A: Essay Competition 2023: The IASP organized an essay competition on "**Rising Population and Its Environmental Impact**" in view of ever-increasing global population presents substantial challenges to our environment. The growing demand for resources exerts immense pressure on ecosystems and natural systems. This surge in population leads to increased energy consumption, intensified industrial activities, and expanded agricultural practices, all of which contribute to elevated greenhouse gas emissions, deforestation, habitat loss, and water scarcity. This resultant environmental degradation exacerbates climate change, disrupts biodiversity, and compromises vital ecosystem services. This emphasizes the pressing need for sustainable population management and responsible resource utilization to mitigate the detrimental impacts on our planet.

A time window from August 18 to August 31 was open for an online registration via Participating Regional Chapters (PRCs), relevant Universities, and the International Institute for Population Sciences (IIPS) and invited young students to express their intent to participate in the Essay competition. It garnered interest from 126 students across India. All the consenting participants were given the essay title two hours before the competition along with detailed instructions. The submission window was open on September 11, from 11 AM to 1 PM. The evaluation committee, comprising Dr. Dilip, Dr. Archana, and Dr. Ajay, assessed the essays between September 12 and September 20.

The official announcement of the winners was made on September 25 who would receive their certificates in 44th IASP annual conference. The winners are:

First: Ms. Saumya Chauhan, PhD Scholar, Central University of Tamil Nadu, Thiruvavur

Second: Ms. Saumya Chauhan, PhD Scholar, International Institute for Population Sciences, Mumbai

Third: Ms. Saumya Chauhan, PhD Scholar, International Institute for Population Sciences, Mumbai

B: Commemoration of the World Population Day at regional level

i. At IIPS, Mumbai

On the occasion of World Population Day 2013, the India Association for the Study of Population (IASP) organized a symposium in collaboration with International Institute for Population Sciences (IIPS), Mumbai, under the theme "On the top of the world: India's challenges for a sustainable future for all" in the seminar hall of IIPS, Mumbai on July 13, 2013.

Prof. Usha Ram, General Secretary, IASP and Professor at IIPS chaired the session and welcomed the guests and briefed them about the World Population Day symposium. Prof. D. P. Singh felicitated the guests Ms. Anuja Gulati and Dr. MR Pradhan.

The chief guest of the program was Ms. Anuja Gulati, Programme Management Specialist at the UNFPA, Mumbai. Other guests were Prof. D. P. Singh, Vice President, IASP and Professor at the School of Research Methodology, Tata Institute for Social Sciences; Dr. Priyanka Dixit, Assistant Professor, Centre for Health and Social Sciences, Tata Institute for Social Sciences, Mumbai. Dr. Manas Ranjan Pradhan, Assistant Professor, and Dr. Kunal Keshri, Assistant Professor from International Institute for Population Sciences, Mumbai, were also present at the symposium. The Ph.D. scholars from International Institute for Population Sciences and Tata Institute for Social Sciences, Mumbai, and a few research staff members of the IIPS also participated in the symposium.

Ms. Anuja Gulati deliberated on the theme "**Harnessing the Gender Dividend: Key to Achieving the 2030 development agenda**". Ms. Gulati raised the issue of inadequate representation of women in the workforce in general and stressed on the need for elevating their involvement through the provision of proper education, skill development, and by creating a positive social environment. Ensuring these supportive environments and their participation in workforce will ensure harnessing the gender dividend and overall growth of the economy and society. She further cited several examples from different parts of the country where positive intervention opened avenues for the participation of women in economic activities. She concluded that the involvement and development of women are indispensable for harnessing gender dividends and achieving sustainable development agenda of 2030.

Dr. Manas Ranjan Pradhan complemented Ms. Gulati for her ground-level work and an excellent presentation. He also emphasized that gender is central to all social science research and thus needs special focus at all levels in future research, program and policies.

The organizing committee sent out an invite to the IIPS research scholars to present their views in the symposium on a pre-identified theme suitable for the overall symposium theme. Five IIPS research scholars submitted their willingness to present and provided with a title of the presentation. The detail themes of these presentation is presented in the table below.

Initially five scholars were selected for the presentation, however, one research scholar could not present due to ill-health. Each presenter was given 8-10 minutes of the time.

Post their presentation, other participants raised questions and comments which were discussed and debated. Ms. A Gulati, Prof. Usha Ram, Dr. Manas Ranjan Pradhan, and Dr. Kunal Keshri also reflected their views on the student presentation and complemented each one of them for an excellent presentation.

The research scholars presented their views on the following topics:

SN	Name	Title of the presentation
1	Ms. Ananya K V	From Quantity to Quality: Navigating the Educational Challenges of India's rising youth population
2	Ms. Pratyashee Ojah	India Towards Sustainable Ageing-Where's the Hitch?
3	Mr. Manish Mamgai	"The 1.4 billion" under the shadow of climate change: demystifying the demographic challenges
4	Mr. Rahul Mondal	Behind the question of sustainability: India's population, environmental emergency, and neoliberal policies

The symposium concluded with a formal closing remarks from Prof. Usha Ram. Dr. Kunal Keshri proposed a vote of thanks and expressed his gratitude to Ms. Anuja Gulati for her gracious presence and enriching talk. He also thanked Dr. Manas Ranjan Pradhan and Dr. Priyanka Dixit for accepting our invitation for the symposium. He thanked Professor K. S. James, Director IIPS for providing infrastructure for organizing the symposium. Dr. Keshri expressed his gratitude to the IASP for providing financial support. He conveyed his thanks to Prof. D.P. Singh and Prof. Usha Ram for their contribution. Last but not the least, he thanks the research scholars for taking active participation in the symposium.

Organizing Committee: Prof. Usha Ram, GS, and Dr. Kunal Keshri, EC Member, IASP

II. At Population Research Centre (PRC), Kerala

The Department of Demography, University of Kerala, in collaboration with the Indian Association for the Study of Population, organized the observance of World Population Day on July 11, 2023.

Dr. Anil Chandran S, Head of the Department, presided over the event, guiding its proceedings. The event was inaugurated by Professor C. Veeramani, Director of the Centre for Development Studies. Professor Veeramani's talk emphasized important issues such as gender equality, inequalities in the job market, and fair wages. A highlight of the event was a keynote address by Dr. William Joe, Assistant Professor at the Population Research Centre, Institute of Economic Growth, Delhi. Dr. Joe shared valuable insights on the topic, "Well-being of Women and Girls in India: Equity in WHEELS Approach." His presentation offered a deeper understanding of the challenges and opportunities in improving the lives of women and girls in India. His words helped the audience grasp the complexities of this crucial issue.

C: A one-day Capacity Building Pre-Conference workshop:

The Centre of Demography of Gender International Institute for Population Sciences, Mumbai in Collaboration with Indian Association for the Study of Population (IASP) and Centre of Excellence on Public Health Nutrition, Department of Humanities and Social Sciences, National Institute of Technology (NIT) Rourkela is organizing a one-day capacity building pre-conference workshop on **“UNDERSTANDING DATA THROUGH GENDER LENS”** on November 7, 2023. Young scholars from various research institutions and universities will participate in the workshop. The day long workshop would have several session covering topics including Concepts, Indicators and Measurements, Overview of Available Gender Data Sources, Exploring NFHS Data through Gender Lens, and Hands-on Practice of Gender Data using NFHS-5, along with a Hands-on Practice of Gender Data using NFHS-5.

D. New Membership of IASP: EC approved life membership 30 new life members and 109 annual members during the reporting period.

**Prof. Usha Ram
General Secretary, IASP**

CC to:

1. President, IASP
2. All EC and BOT Members of the IASP
3. All members of IASP
4. Joint Secretary IASP for Uploading on the IASP Website

Agenda for the EC Meeting

Date & Time: November 9, 2023, 6.00 to 7.30 PM

Venue : TI-016, TIIR Building NIT, Rourkela, Odisha

Item 1: Confirmation of Minutes of Last EC Meeting

Item 2: General Secretary's Annual report for 2022-23

Item 3: Presentation and Approval of Balance Sheet for
2022-23

Item 4: Demography India Status

Item 5: Next Conference of IASP

Item 6: Any other items with permission of the chair

Annexure A1.

Programme of the 43rd Annual Conference of the Indian Association for the Study of Population ` Day 1

Day 1: December 01, 2022, Thursday			
Time	Programme		
9.00-10.00 am	Registration of Participants		
10.00-11.00 am	Inaugural Session: Chair: Vice -Chancellor, MLSU Udaipur		
	Lamp Lighting		5 min.
	Welcome Address	Hony. Director, PRC Udaipur Prof. P.M. Yadav	2 min.
		Shri Arjun Lal Meena, MP	
	Chief Guest address	Sh Parsadi Lal Meena Health Minister, Government of Rajasthan	5 min.
	Special Remarks	Prof I V Trivedi, Vice-Chancellor	5 min.
	IASP Presidential Address	Prof Suresh Sharma, President, IASP	15 min.
	Keynote Address	Ms. Andrea Wojnar: Resident Representative for UNFPA India and Country Director for Bhutan	20 min.
	Announcement of Winners of Dr. K. B. Pathak award and Dr. K. Srinivasan award	Prof. Usha Ram, General Secretary, IASP	5 min.
	Concluding Remarks		
	Vote of Thanks	Dr. Jeetendra Yadav Treasurer, IASP	3 min.
11.00-11.30 am	High Tea and Group Photo		
11.30-01.00 pm	Plenary Session I: NFHS Session (Venue: Auditorium)		
	Chair	Chair: Ms. Andrea Wojnar, UNFPA India Representative Co-Chair: Prof. K.S. James, Director, IIPS Mumbai	
	Presenters	Empowerment and its reflections on women's health	
		Prof. Hemkothang Lhungdim,	
		State of birth weight and child nutrition	
		Prof. Laxmi Kant Dwivedi, IIPS	
		Fertility preferences & Stopping Behaviour	
Prof. Chander Shekhar			
High blood glucose and obesity among women			

		Dr. Sarang Pedgaonkar
	Session Coordinator	Dr. Jeetendra Yadav
	Session Rapporteur	Dr. Gudakesh
01.00-02.00 pm	Poster Session I (Venue Auditorium/Gallery)	
01.00-02.00 pm	Lunch Break	
02.00-03.30 pm	Plenary Session II: Maternal and Neonatal Mortality Transition in India: Findings of MNH Exemplar Study (Venue: Auditorium)	
	Chair	Maj Gen (Prof) Atul Kotwal, SM, VSM, Executive Director, NHSRC, Co-Chair: Prof. K.S. James, Director, IIPS
	PRESENTER	Analytical Framework, Data Source, Methods and Mortality Transition Model - Prof. Usha Ram
		National Results: The maternal and newborn mortality transition in India - Dr. KI Shajy
		State Cluster Results: The maternal and newborn mortality transition in higher and lower mortality states in India - Dr. Ravi Prakash
		State Results: Trends, levels, and drivers of maternal and neonatal mortality rate reduction in six states of India - Dr. Manoj Alagrajan
		Conclusions: How did India reduce maternal and newborn mortality since 2000? - Dr. Himanshu Bhushan
	Session Coordinator	Dr. Kunal Keshri
	Session Rapporteur	Ms. Piyasa Mal
03.30 – 04.00 pm	Tea Break	
04.00 – 05.00 pm	Special session: AzadiKa Amrit Mahotsav (AKAM)	Migration and Family Planning in India
		Dr. Niranjana Saggurti, Director, Population Council India
		Trends in Sex Ratio at Birth
		Dr. Sanjay Kumar, Population Dynamics and Research Specialist, UNFPA
05.00 – 06.00 pm	Dr. George Simmons Memorial Lecture	
	Chair	Prof. Suresh Sharma
	Title of Lecture	The Demography of Families in India: An Exploration
	Speaker	Prof. K. S. James, Director, IIPS, Mumbai
06.00 – 7.00 pm	Cultural Programme : (Coordinated by Dr Jeetendra Yadav, Treasurer, IASP)	
07.00 pm onwards	Dinner	
Day 2: December 02, 2022, Friday		
Time	Programme	
09.00 – 09.30 am	Felicitation of Senior Demographers	
09.30-11.00 am	Plenary Session III: Perspectives on Tribal Healthcare in India (Venue: Auditorium)	
	Chair	Dr. Subrato Mondal, USAID

	Panel Discussion	Tribal Health Population and COVID-19: Dr. Aditi Krishnamurthy, Piramal Swasthya, India
		Tribal Health Population and Health System Strengthening - Dr. Dinesh Baswal. Path, India.
		Tribal Health Population and Comprehensive Primary Health Care - Ms. Lalhmangaihi Chawngthu (Mimi), Jhpiego, India
		Tribal Health Population and TB - Dr. Joseph Francis Munjattu. KHPT, India
	Session Coordinator	Dr. Ajay Kumar Singh
	Session Rapporteur	Ms. Aashima Gupta
11.00-11.15 am	Tea Break	
11.15 am -12.15 pm	Plenary Session IV: Nutrition Policy in India (Venue: Auditorium)	
	Chair	Chair: Prof. C.M. Pandey Co-chair: Dr. Priyamadhaba Behera
	PRESENTATION	Social Protection for Nutrition: Evidence synthesis for policy recommendation Dr. William Joe: Assistant Professor, PRC, Institute of Economic Growth, Delhi Dr. Preeti Khanna Nutrition Consultant, UNICEF
	Session Coordinator	Mr. Arun Kumar Singh
	Session Rapporteur	Dr. Saroj Kumar
12.15 – 12.30 pm	Transfer to technical session halls	
12.30 – 01.30 pm	Technical Session I-V	
12.30 – 01.30 pm	Technical Session I: Family planning, marriage and fertility (Venue: Meeting Room, 1st Floor, Guest House)	
	Chair	Prof. P.K. Bhargava
	Co-chair	Prof. Sanghmitra Acharya
	PRESENTER	TITLE OF THE PAPER
	Ajit Kumar Kannaujiya	Association between contraceptive use and interpregnancy interval in India:evidence from pooled data
	Anil Chandran S.	Early Marriages in Kerala: Is it an exaggerated story?
	Sourav Biswas	Decomposing Hindu Muslim Differences & Trends in Family Planning Methods in India
	S. Brajabidhu Singh	Differentials on Fertility Indicators of Tribal and Non-Tribal Populations in Manipur
	Vineet Kumar	Trend and levels of son preference and its association with women empowerment among married women aged 15-49 years in India, 2005-2021
	Rajesh Chauhan	Demand satisfied with modern methods of family planning in Indian States:evidence from NFHS-5
	Session Coordinator	Dr. Raju Singh
	Session Rapporteur	Ms. Nutan Kumari
12.30 – 01.30 pm	Technical Session II: Sexual and Reproductive Health (Venue: Economics Seminar Hall, Room No. 232)	

	Chair	Prof. K.K. Singh
	Co-chair	Dr. William Joe
	PRESENTER	TITLE OF THE PAPER
	Chanda Maurya	Adverse childhood experiences and health risk behaviours among adolescents and young adults: evidence from India
	Himani Sharma	Decomposing the gap in contraceptive use among female adolescents and young women aged 15-24 in India: An analysis of appended datasets of NFHS-4 & 5
	Mahashweta Chakrabarty	Role of intimate partner violence in increasing sexually transmitted infections among women in India: A propensity score matching analysis
	Prince Kumar Patel	Awareness, Knowledge, and High-Risk Sexual Behaviors of Sexually Transmitted Infected Patients attending a tertiary care Centre: A cross sectional study
	Priyanka Kumari	Prevalence, socio-demographic determinants, and self-reported reasons for hysterectomy and choice of hospitalization in India
	Varsha Ranjan	Assessment of effectiveness of Targeted Intervention Programme under National AIDS Control Programme among Injecting Drug Users across India
	Session Coordinator	Dr. Sangeeta Agrawal
	Session Rapporteur	Ms. Aditi B Prasad
12.30 – 01.30 pm	Technical Session III: Age Patterns of Mortality (Venue: Arts College Seminar Hall, Room No. 273)	
	Chair	Prof. A.K. Sharma
	Co-chair	Dr. Archana Muthye
	Presenters	TITLE OF THE PAPER
	Rufi Shaikh	Tobacco and Alcohol Attributable mortality in India: A systematic review
	Nandita Saikia	Death registration coverage in India: Results from nationally representative survey
	Ronak Paul	Temporal patterns in Infant Death Clustering Among Families: Findings from India Human Development Survey
	Dharma Raj	Survival analysis for Cohort of Bhopal Gas Disaster victims during 1985-2015
	Mallikarjun Chandannavar	The Symbolic Regression Analysis of Mortality Trends for Major Non-communicable Diseases in India
	Sasmita Behera	Assessing inequities in out-of-pocket expenditure among cancer patient in India: Evidence from 75th round of National Sample Survey, 2017-18
	Session Coordinator	Dr. Rajkumari Aheer
	Session Rapporteur	Ms. Aditi
12.30 – 01.30 pm	Technical Session IV: Health System and Data Tools (Venue: Political Science Seminar Hall)	
	Chair	Prof. F. Ram
	Co-chair	Dr. Ajay Kumar Singh

	PRESENTER	TITLE OF THE PAPER
	Salmaan Ansari	Physical multimorbidity patterns and healthcare utilization among middle-aged and older people in India: Does health insurance matters?
	Sujata Choudhury	An analysis of the contentment and acceptability indices of NRHM among rural households of Assam
	Shatrughan Prasad	Medical attainment and hospitalization before death among Indian tribes: evidences from two round of national sample survey
	Nitin Sharma	Use of Information Technology in the production of real-time data for the management of large-scale programs - A note on India's Deworming Program
	Bindiya Kumari	Evaluation of HMIS Data Quality in Haryana
	Session Coordinator	Dr. Sumitra Sharma
	Session Rapporteur	Aparna B
12.30 – 01.30 pm	Technical Session V: Violence against Women (Venue: Auditorium)	
12.30 – 01.30 pm	Chair	Prof. S.C. Gulati
	Co-chair	Dr. Dilip Kumar
	PRESENTER	TITLE OF THE PAPER
	Rupam Bharti	Domestic Violence against Women in India: A Regional Perspective of Indian States
	Anshika Singh	Intimate partner violence as determinant of unintended pregnancy among currently pregnant ever-married women of rural India: Evidence from NFHS-5 (2019-21)
	Manisha	Domestic violence among female who migrated for marriage from other state: A study based on a primary survey in Jind district of Haryana
	Sampurna Kundu	Linkages of Intimate Partner Violence, Coercive control, Alcoholism and Mental Well-being: A Community-based Study in Delhi
	Babita	Domestic Violence against Women: a gender-based violence in Himachal Pradesh
	Session Coordinator	Mr. Rahul
	Session Rapporteur	Ms. Itishree Pradhan
01.30 – 02.30 pm	Lunch	
01.30 – 02.30 pm	Poster Session 2	
02.30 am - 04.00 pm	Plenary Session V: Gender transformative programming with adolescents: Insights and Learnings (Venue: Auditorium)	
	Moderator	<u>Chair:</u> Dr. Hemlata Verma
	Speakers	1. Sapna Kedia, ICRW 2. Aditi Vyas, ICRW 3. Ronak Soni, ICRW 4. Usha Chaudhary, Vikalp Sansthan
	Session Coordinator	Dr. Archana Muthye
	Session Rapporteur	Ms. Aashima Gupta

04.00 – 04.30 pm	Tea Break	
04.30 – 05.30 pm	Technical Session VI-X	
04.30 – 05.30 pm	Technical Session VI: Gender and Health (Venue: Economics Seminar Hall, Room No. 232)	
	Chair	Prof. Sanghmitra Acharya
	Co-chair	Prof. P.M. Yadav
	PRESENTER	TITLE OF THE PAPER
	Udita Chowdhury	Regional variability of gender divides in self-rated health (SRH) among Indian older adults: Evidence from Longitudinal Ageing Study in India
	Archana Muthye	Non-communicable diseases among males and females in Rajasthan: a brief comparison
	Amiya Saha	Rural-urban differences in self-rated health among elderly: Mediating role of marital status and living arrangements
	Somesh Kumar	Impact of Education on Women's Autonomy in India
	Session Coordinator	Dr. Sangeeta Agrawal
	Session Rapporteur	Dr. Pijush Kanti Khan
04.30 – 05.30 pm	Technical Session VII: Mental Health (Venue: Arts College Seminar Hall, Room No. 273)	
	Chair	Prof. Kalpana Jain
	Co-chair	Dr. Kasturi Mondal
	PRESENTER	TITLE OF THE PAPER
	Manish Kumar	Mediating and moderating effects of social engagement on the association between psychological disorders and cognitive functioning in older Indian adults: evidence from LASI survey
	Ratna Patel	Understanding the association between social capital and depression among school-going adolescent girls in Varanasi city
	Mahadev Bramhankar	An assessment of subjective wellbeing through life satisfaction and its correlates with physical, mental and social health status among elderly in India
	Session Coordinator	Dr. Rajkumari Aheer
	Session Rapporteur	Ms. Hricha Rai
04.30 – 05.30 pm	Technical Session VIII: Backlash of Covid19 Pandemic (Venue: Auditorium)	
	Chair	Prof. Pratibha
	Co-chair	Dr. Archana Muthye
	PRESENTER	TITLE OF THE PAPER
	Aditi Das	Covid- 19 and Women Associated with Bamboo Craft in Assam
	Dipanjali Haloi	Utilization of Maternal Health Care during COVID-19 in Assam: A Comparison with India and Kerala

	Nand Lal Mishra	Estimate of India excess mortality in India
	Jay Prakash	Excess Mortality Estimates of Covid Pandemic in India: A sub-national level analysis using data from CRS
	Session Coordinator	Mr. Arun Kumar Singh
	Session Rapporteur	Ms. Diksha Rani
04.30 – 05.30 pm	Technical Session IX: Morbidity and Disease Burden (Venue: Auditorium)	
	Chair	Dr. Priyamadhaba Behera
	Co-chair	Dr. B.L. Nagda
	PRESENTER	TITLE OF THE PAPER
	Neethumol S. S.	Association of Thyroid and Life style behaviour: Study among adults in the highly Thyroid prevalent states in India
	Priyanka Yadav	Quality of Life and Coping Methods Adopted by Cancer Patients: A study of two Agricultural states of India, Punjab and Bihar
	Jang Bahadur Prasad	Status of comorbidities, food practices and its effect on hypertension in Rajasthan
	Ananya K V Kvananya	Assessment of Trends and Future Demographic Impact on Breast Cancer: A Comparative Study of Delhi and Chennai Cancer Registries
	Umenthala S. Reddy	Identifying the health expenditure heterogeneity in India: A finite mixture model analysis
	Margubur Rahaman	Is the prevalence of tobacco use high among older adults with chronic disease vulnerability in India? Evidence from a large-scale sample survey
	Bharti Singh	Change in prevalence of Micronutrient deficiency among children in India
	Session Coordinator	Mr. Arun Kumar Singh
	Session Rapporteur	Ms. Labhita Das
04.30 – 05.30 pm	Technical Session X: Poverty, Income inequality and health (Venue: Meeting Room, 1st Floor, Guest House)	
	Chair	Dr. Subrato Mondal
	Co-chair	Prof. Usha Ram
	PRESENTER	TITLE OF THE PAPER
	Itishree Pradhan	An Individual-specific approach to Multidimensional Child Poverty in India: A Study of Regional Disparities
	Sreeja Nair	Reading Household Deprivation in India - A Multidimensional Approach
	Sripriya Reddy	Income, Income Inequality and Health Inequality in India: A Pooled Analysis of India DHS 1992-2021
	Jayanta Kumar Basu	Patterns and Trends in Poverty Dimensions in Bihar, the poorest State of India, 2005-06 to 2019-20: Challenges Ahead
	Jyoti Das	Recent changes in Multidimensional Poverty in India: A study of Geographical Patterns
	Ajay Kumar Singh	Out of Pocket Healthcare Expenses among the Urban Poor in India and its Implication on Universal Health Coverage
	Session Coordinator	Dr. Raju Singh
	Session Rapporteur	Ms. Preethi K

05.30 – 06.30 pm	General Body Meeting	
06.30 – 07.30 pm	Essay Competition	
07.30 onwards	Dinner	
Day 3: December 03, 2022, Friday		
Time	Programme	
09.00 – 10.30 am	Chandrasekharan Award Presentation (Venue: Auditorium)	
	PANELISTS:	
	PRESENTER	TITLE OF THE PAPER
	Aditi B Prasad	The burden of unpaid activities on gender equality in Indian state
	Aparna B	Assessment of childhood undernutrition in India using NFHS 3 and NFHS 5
	Jhumki Kundu	The burden of cardiovascular disease among older adults in the states of India,2017-18
	Prakash Kumar	Years of life lost on roads in India: analysis of gain in life expectancy after elimination of road traffic fatalities
	Session Coordinator	Dr. Jeetendra Yadav
Session Rapporteur	Ms, Aashima Gupta	
10.30-11.00 am	Tea Break	
11.00 am - 12.00 pm	Technical Sessions XI-XV	
12.00 – 01.00 pm	Technical Sessions XVI-XX	
11.00 am - 12.00 pm	Technical Session XI: Gender and health of elderly (Venue: Arts College Seminar Hall, Room No. 273)	
	Chair	Dr. Sanjay Kumar
	Co-chair	Dr. Gudakesh
	PRESENTER	TITLE OF THE PAPER
	T. Muhammad	Multivariate decomposition of gender differentials in successful aging among older adults in India
	Tulika Tripathi	Homebased Long Term Health Care of Elderly in India; Issues & Challenges
	Aditi	Demystifying the equivocal association between sleep disorder and frailty? Findings from a cross-sectional survey
	A K Tiwari	Paper title Socio-economic Status Measurement Scale for Rural Population: A Caste Wise Analysis
	Session Coordinator	Dr. Rajkumari Aheer
Session Rapporteur	Ms. Himani Sharma	
11.00 am - 12.00 pm	Technical Session XII: Objective and Subjective Wellbeing of the Elderly (Venue: Political Science Seminar Hall)	

	Chair	Prof. Pradeep Trikha
	Co-chair	Dr. Ajay Kumar Singh
	PRESENTER	TITLE OF THE PAPER
	D.K. Ojha	Health conditions among the currently working ageing population in India
	Hemant Singh Gurjer	Association of obesity and bone disease among older adults in India
	Akif Mustafa	Adult children's educational attainment and its association with older parents' lifesatisfaction in India
	Atul Kumar Pandey	Elderly happiness, Expectation and Indian perspective: An assessment of utilitybasket approach based on Longitudinal Ageing Study of India, 2017-19
	Arun Kumar V S	An assessment on association between major chronic illness and functionallimitations among older adults in Kerala
	Malika B. Mistry	Disability among the Elderly Population and Institutional Support: A Case-Studyfrom Pune City
	Sarika Rai	Predictors of life-course risk factors of activity of daily living and InstrumentalActivity of Daily Living among urban older adults in India
	Session Coordinator	Dr. Sumitra Sharma
	Session Rapporteur	Ms. Rupam Bharti
11.00 am - 12.00 pm	Technical Session XIII: Economic burden of health, Health Insurance, Out of Pocket Expenditure andPublic Policy (Venue: Meeting Hall, Guest House)	
	Chair	Prof. Digvijaya Bhatnagar
	Co-chair	Dr. Kunal Keshari
	PRESENTER	TITLE OF THE PAPER
	Jeetendra Yadav	Measuring the Financial Impact of Disabilities in India
	Ambady Sivan	Out of Pocket Expenditure on Institutional Deliveries in India
	Sampurna Bhuyan	The Impact of Household Dependency Ratio and Economic Status on HealthInsurance Preference of Labourers in an Urban Economy
	Pijush Kanti Khan	Extent and pattern of reimbursement on inpatient care in India, 2017-18
	Roopali Goyanka	Trends in Financial Risk on Indian Households due to Out-of-Pocket Expenditureon Medicines 2014 to 2017-18
	Session Coordinator	Dr. Raju Singh
	Session Rapporteur	Ms. Sampurna Kundu
11.00 am - 12.00 pm	Technical Session XIV: Nutrition among Children (Venue: Auditorium)	
	Chair	Prof. A.K. Sharma
	Co-chair	Dr. Gudakesh
	PRESENTER	TITLE OF THE PAPER

	Pradyuman Verma	Growth Estimation of Under-Five Children Using Statistical Models in Central Region of India
	Diksha Rani	Association of Maternal Height and Stunting among under 5 children in India using NFHS Data: Suitability of WHO Growth Standard in Indian States
	Ritankar Chakraborty	Integrated Child Development Service (ICDS) coverage among Severely Acute Malnourished (SAM) children in India: A multilevel analysis based on National Family Health Survey 5
	Anuj Singh	Influence of Maternal Height on Birth-Weight, Baby Size and Gestational-Age in India: Evidence from National Family Health Survey 4
	Priyanka Suryavanshi	Mental and Motor Development of Children (0 To 42 Months) At Anganwadi Centers of High Burden District of Central Regions of Uttar Pradesh, India
	Session Coordinator	Dr. Gudakesh
	Session Rapporteur	Ms. Sripriya Reddy
11.00 am - 12.00 pm	Technical Session XV: Nutrition among Adults (Venue: Economics Seminar Room No. 232)	
	Chair	Prof. Minakashi Jain
	Co-chair	Dr. Kasturi Mondal
	PRESENTER	TITLE OF THE PAPER
	Kirti	Spatial Clustering of Diabesity among adolescents and adults in India: Emerging public health concern among adolescents in India
	Priyanka Yadav	Identifying Health-Relevant Behaviours and Prevalence of Iron-Deficiency Anaemia among Adolescent Girls in Rural India: A Mixed Method Approach
	M R. Raushan	Double burden of diet intake: an analysis of metabolic complication indicator among women in India
	S. Subramaniam	Anaemia among tribal women of reproductive age group: Issues and Challenges
	Ashmila Das	Correlates of obesity among adult women in Kerala: a study based on NFHS-5
	Archana Satheesh	Association of Anthropometric Measurements and Physical Activity with Chronic conditions among elderly in India
	Session Coordinator	Dr. Sangeeta Agrawal
	Session Rapporteur	Ms. Sreeja Nair
12.00 - 01.00 pm	Technical Session XVI: Demographic/Epidemiological transition (Venue: Arts College Seminar Hall, Room No. 273)	
	Chair	Prof. Usha Ram
	Co-chair	Dr. Kunal Keshari
	PRESENTER	TITLE OF THE PAPER
	Vidhya V	Age structural transition and changes in workforce in India
	Md. Abdul Latif	Completed Fertility Level of Women in Manipur as International Border State
	Arun Kumar M	The burden of disease and epidemiological transition: A study of elderly in Indian states

	Preethi K	Awareness, treatment, and control of hypertension among Kerala women aged 25years and over
	Hricha Rai	Projection of Total Fertility Rate for All Districts of Uttar Pradesh: A Non-Parametric Approach
	Session Coordinator	Dr. Rajkumari Aheer
	Session Rapporteur	Ms. Aditi Chakraborty
12.00 - 01.00 pm	Technical Session XVII: Internal migration: Issues and challenges(Venue: Economics Seminar Hall, Room No. 232)	
	Chair	Prof. S.K. Kataria
	Co-chair	Dr. Ajay Kumar
	PRESENTER	TITLE OF THE PAPER
	Saroj Gorakh Shinde	Our Poverty has no Shame; the Stomach has no Shame, so we Migrate Seasonally":Pregnant Women Sugarcane Cutters from Maharashtra, India.
	Kunal Keshri	An Empirical Study of Labour Out-migration and Return Migration in Jharkhand:Evidence from the Pandemic
	Rahul Kumar Jha	Social Security for Short-term Migrants (women): A need of contemporary India
	Imtiyaz Ali	Migration, Remittances, and Poverty Reduction in Rajasthan, India
	Vasim Ahamad	Older Migrants and their Characteristics: A New Aspect of Migration Study inIndia
	Session Coordinator	Dr. Sangeeta Agrawal
	Session Rapporteur	Ms. Ratna Patel
12.00 - 01.00 pm	Technical Session XVIII: International migration: Issues and Implications health(Venue: Political Science Seminar Hall)	
	Chair	Prof. C.R. Suthar
	Co-chair	Dr. Jeetendra Yadav
	PRESENTER	TITLE OF THE PAPER
	Mukesh Kumar	International Migration, Remittances and Household Development In Middle Ganga Plains: A Comparative Perspective of UP and Bihar Using MGP ProjectData 2021
	Sourav Mandal	Emigration and Debt: Perspective from return migrants in Kerala Migration survey,2018
	S K Karim	Dynamics of International migration in India using circular visualization: Evidencefrom 1991-2011 Census Data
	V. Nirmala	Determinants and challenges of Gulf return migration in Malappuram District,Kerala
	Manoj Paul	Migration is pathway to development: What restrict people to migrate?
	Divya Kushwaha	Migrant Gig workers and the impact of Urbanization: A case study of Udaipur
	Session Coordinator	Dr. Sumitra Sharma
	Session Rapporteur	Mr. Manish Kumar

12.00 - 01.00 pm	Technical Session XIX: Maternal and Child Health (Venue: Political Science Seminar Hall)	
	Chair	Dr. K.V.R. Subrahmanyam
	Co-chair	Dr. Jeetendra Yadav
	PRESENTER	TITLE OF THE PAPER
	Pallabi Gogoi	Are the Poor Left Behind? Estimating the Inequalities in Maternal and Child Healthcare Coverage in India
	T. B. Singh	Disrespectful Health Care During ANC among Women of Balarampur District, U.P
	Rushikesh P. Khadse	Caesarean section deliveries in a state of India: evidence from national family health survey 2019-21
	Piyasa Mal	Rural-urban gaps in neonatal mortality in India
	Mihir Adhikary	Neonatal, post-neonatal, child, and adult mortality attributable to household and ambient air pollution in India
	Aditi Chakraborty	Gestational Diabetes: Prevalence and its associated risk factors among Indian Women
	Session Coordinator	Dr. Sumitra Sharma
	Session Rapporteur	Mr. Nandlal Mishra
12.00 - 01.00 pm	Technical Session XX: Miscellaneous (Venue: Meeting Hall, Guest House)	
	Chair	Shri D.K. Ojha
	Co-chair	Dr. Dilip Kumar
	PRESENTER	TITLE OF THE PAPER
	Ajay Kumar	Low birth weight and infant birth weight classification in India using Machine Learning algorithms
	Abhishek Sharma	Medication non-adherence among inpatients in India: Insights from two cross-sectional surveys
	Labhita Das	Uptake of Post-Abortion Contraceptive Method in India: Evidence from National Family Health Survey 5
	Satish Chandra Yadav	The choice of mate selection in India: evidences from matrimonial advertisements
	Dilwar Hussain	Understanding the association between educational attainment and workforce participation in India: evidence from IHDS survey
	Session Coordinator	Dr. Raju Singh
	Session Rapporteur	Mr. Nawaz Rasool
01.00 – 02.00 pm	Poster Session 3	
01.00 – 02.00 pm	LUNCH BREAK	
02.30-03.30 pm	Valedictory Session	
	Chair	Prof Suresh Sharma President, IASP

	Concluding Remarks; Announcement of S. Chandrashekharanaward and S N Singh best paper award, Declaration of Essay Competition awards	Prof Usha Ram General Secretary, IASP
	Rapporteurs General	Dr. Usha Ram and Dr. Ajay Singh
	Valedictory Address	Education Minister, Government of Rajasthan
	Vote of Thanks	Dr. Jeetendra Yadav Treasurer, IASP
08.00 – 09.00 pm	Dinner	

POSTER SESSION 1
Date: 1st December, 2022
Time: 01.00 – 02.00 pm

S. N	AUTHOR(S)	ID	PAPER TITLE
1.	MANIDEEPA MAHATO	1	STATUS OF DOUBLE BURDEN OF MALNUTRITION AMONG ADULT WOMEN OF WESTBENGAL
2.	VEENA VINOD P	13	FACTORS AFFECTING NEONATAL MORTALITY
3.	NISHA N D	20	SEVERE WASTING AMONG CHILDREN IN INDIA
4.	SUMIT KUMAR	35	DIFFERENTIAL DETERMINANTS OF BIRTH SPACING AMONG URBAN INDIAN WOMEN
5.	MOULI MAITY	37	NUTRITIONAL STATUS OF UNDER-5 CHILDRE: IDENTIFYING COLDSPOT AND HOTSPOT
6.	JAI KISHUN	44	PREVALENCE AND RISK FACTORS OF THE COMPOSITE INDEX OF ANTHROPOMETRICFAILURE AMONG CHILDREN UNDER FIVE YEARS OF AGE IN UTTAR PRADESH, INDIA
7.	M BRAMHANKAR	57	DEMOGRAPHIC TRANSITION AT THE NATIONAL AND SUB-NATIONAL LEVEL OVER THEPERIOD OF PAST HALF CENTURY IN INDIA
8.	APARNNA B	61	ASSESSMENT OF CHILDHOOD UNDERNUTRITION IN INDIA USING NFHS 3 AND NFHS 5
9.	KSHIRABDHI TANAYA PATRA	62	CONSANGUINEOUS MARRIAGE AND ITS EFFECT ON MATERNAL HEALTH IN INDIA: ANEVIDENCE FROM NFHS-4
10.	VAIBHAV PATHAK	69	SOCIO-ECONOMIC INEQUALITY IN UTILIZATION OF MCH SERVICES AMONG TRIBALPOPULATION IN INDIA
11.	PUJA GOSWAMI	72	DIABETES RISK, PROGRESSION, HEALTHCARE BURDEN AND IMPACT ON THE MENTALHEALTH OF DIABETES PATIENTS IN INDIA
12.	SANJAY KUMAR PAL	76	ÅCELINKAGES BETWEEN HIGH-RISK FERTILITY BEHAVIOUR AND ANAEMIA AMONGEVER-MARRIED WOMEN (15-49 YEARS) IN INDIA: A STUDY BASED ON NFHS-5 (2019-21)
13.	AJIT KUMAR	79	A STUDY OF THE HEALTH AND WELL-BEING OF CHILDREN IN STREET SITUATIONS ANDINTERVENTION OF CSOS
14.	LAHU VITTHAL RATHOD	82	AWARENESS OF CONTRACEPTIVES AND HIV AMONG SEXUALLY ACTIVE YOUTH ININDIA: EVIDENCE FROM NATIONAL FAMILY HEALTH SURVEY (2019-2021)

15.	RONI SIKDAR	84	EFFECTS OF DIFFERENT LEVELS OF WEALTH QUINTILE ON WOMEN CONTRACEPTIVE USE IN INDIA
16.	RAGHUNATH MANDI	88	INTERGENERATIONAL SOLIDARITY AND PSYCHOLOGICAL WELLBEING AMONG THE ELDERLY IN INDIA
17.	ARATHY G R	90	AN ASSESSMENT OF MATERNAL INDICATORS ON CHILD SURVIVAL IN INDIA OVER THE LAST THREE DECADES
18.	MEENA KUMARI	98	INCOME AND LIFE EXPECTANCY DIFFERENTIAL BY SOCIAL CLASS IN INDIA: A CROSS-SECTIONAL ESTIMATE FROM NFHS-4 AND 5
19.	JANG BAHADUR PRASAD	99	STATUS OF COMORBIDITIES, FOOD PRACTICES AND ITS EFFECT ON HYPERTENSION IN RAJASTHAN
20.	ROHIT KUMAR	102	ECONOMIC BURDEN AND FINANCING STRATEGIES FOR CANCER CARE IN INDIA
21.	PUJA KRISHNA	110	A QUALITATIVE STUDY ON THE HEALTH-SEEKING BEHAVIOUR AND ITS DETERMINANTS AMONG FAMILIES IN URBAN PATNA
22.	RAHUL KUMAR	112	GENDER DIFFERENTIALS AND SOCIO-ECONOMIC CORRELATES OF EARLY MARRIAGE IN INDIA

POSTER SESSION 2**Date: 2nd December, 2022****Time: 01.30 – 02.30 pm**

S. N	AUTHOR(S)	ID	PAPER TITLE
1.	SHALEM BALLA	121	INDIVIDUAL-LEVEL CO-OCCURRENCE OF OVERWEIGHT-OBESITY AND ANEMIA: EVIDENCE FROM A NATIONALLY REPRESENTATIVE SURVEY OF INDIA
2.	PRATEEK SINGH	124	PATIENT COMPLIANCE, COMORBIDITIES AND CHALLENGES IN THE MANAGEMENT OF HYPERTENSION IN INDIA
3.	RAMKRISHNA SAMANTA	126	HUSBAND'S MIGRATION STATUS AND CONTRACEPTIVE BEHAVIOURS OF WOMEN: EVIDENCE FROM MIDDLE-GANGA PLAIN OF INDIA
4.	SHINJINI RAY	130	THE IMPACT OF ADULT OUT-MIGRATION ON HEALTH AND TREATMENT SEEKING BEHAVIOR OF LEFT BEHIND OLDER PARENTS: AN EXPLORATORY STUDY IN SUNDARBAN DELTA REGION IN INDIA
5.	NAWAZ RASOOL	131	MULTIPLE CHRONIC DISEASES AND COGNITIVE IMPAIRMENT: A RISING PUBLIC HEALTH CONCERN IN INDIA
6.	SONAM PRIYA	139	ASSESSING THE DETERMINANTS OF CHILDREN EVER-BORN IN INDIA AMONG MARRIED INDIAN WOMEN: EVIDENCE FROM THE 2019-21 NATIONAL FAMILY HEALTH SURVEY
7.	JYOTIKA DEKA	146	QUALITY OF HEALTH CARE FACILITIES FOR THE PREGNANT WOMEN: A DIAGNOSTIC STUDY OF TERTIARY LEVEL HEALTH FACILITY IN MANGALDOI, ASSAM
8.	BINAYAK KANDAPAN	166	ILL TREATMENT AND ASSOCIATED MENTAL HEALTH OUTCOMES AMONG OLDER FEMALE ADULTS IN INDIA
9.	CHANDAN KUMAR HANSDA	169	HYGIENIC MENSTRUAL PRACTICES AMONG TRIBAL ADOLESCENTS AND THEIR DETERMINANTS IN INDIA
10.	MANISHA	173	WHY THEY MARRING IN HARYANA: A NARRATIVE OF CROSS REGION BRIDES
11.	SAURABH SINGH	180	INTERLINKAGES BETWEEN INTIMATE PARTNER VIOLENCE AND ADVERSE OUTCOMES OF PREGNANCY TERMINATION AMONG INDIAN WOMEN
12.	NEHA SHRI	187	INPATIENT HEALTH CARE UTILIZATION AMONG WIDOWED ADULTS IN INDIA- EVIDENCE FROM A NATIONALLY REPRESENTATIVE SURVEY LASI-1
13.	DR DANY S	205	CORRELATES MORBIDITY AMONG MGNREGS WORKERS AND GOVERNMENT WORKERS IN INDIA
14.	PRIYA MAURYA	209	HOW FAMILY, SOCIAL ENVIRONMENT AND ECONOMIC STATUS AFFECT LIFE SATISFACTION IN LATER LIFE: FROM GENDER PERSPECTIVE
15.	SHREYA BANERJEE	217	BARRIERS TO HEALTHCARE UTILIZATION DURING THE COVID-19 OUTBREAK: A CASE STUDY OF DELHI NCR, INDIA
16.	BIJOY BHATTACHARJEE	221	MIGRATION DURING THE COVID-19 PANDEMIC AND ITS IMPACT ON BASIC NECESSITIES OF LIFE: A STUDY OF SIX STATES IN INDIA
17.	PRIYANKA PATEL	236	PREVALENCE AND DETERMINANTS OF DISEASE-SPECIFIC MULTIMORBIDITY AMONG ELDERLY IN INDIA
18.	KISAN DILIP ALGUR	238	SOCIO-ECONOMIC, DEMOGRAPHIC PROGRESS OF THE PRIMITIVE'S AND NON-PRIMITIVE'S TRIBAL GROUPS (PVTGS AND NON-PVTGS) IN INDIA: A REGIONAL STUDY OF THE TRIBAL DOMINATED STATES OF INDIA (CENSUS, 2011)
19.	MOHIT KUMAR PANDEY	240	IS HEALTH INSURANCE HELPS IN CHOOSING LEVEL OF HOSPITALS AND REDUCING THE ECONOMIC BURDEN IN INDIA
20.	CHANDRIMA PAUL	244	MISCARRIAGE AND ITS DETERMINANTS IN INDIA: EVIDENCE FROM NFHS 5 (2019-21)
21.	BARNITA DAS	246	FERTILITY TRENDS AND DETERMINANTS IN ASSAM AMONG SOCIO-ECONOMIC GROUPS, (1992-2021)
22.	POULAMI BARMAN	249	ROLE OF COGNITIVE RESERVE ON LATE LIFE COGNITIVE FUNCTIONING IN INDIAN OLDER ADULTS: EVIDENCE FROM A PANEL DATA

POSTER SESSION 3**Date: 3rd December, 2022****Time: 01.00 –**

S. N	AUTHOR(S)	ID	PAPER TITLE
1.	AYUSHI DAS	250	PREDICTING THE RISK FACTORS OF HYPERTENSION AMONG INDIAN OLDER POPULATION USING MACHINE LEARNING METHODS
2.	UDAY DAS	257	CONTRACEPTIVE BEHAVIOUR AND FAMILY PLANNING AMONG TRIBAL TEA WORKERS OF DOOARS IN WEST BENGAL
3.	KALAMKAR S. KASHINATH	262	RELATIONSHIP BETWEEN LIVING ARRANGEMENT AND SOCIAL NETWORK AMONG OLDER ADULTS IN INDIA
4.	PRAVAT BHANDARI	264	THE PATTERN AND EXTENT OF EARLY CHILDHOOD GROWTH FALTERING IN INDIA: A CROSS-SECTIONAL GROWTH TRAJECTORY ANALYSIS
5.	VASIM AHAMAD	266	MIGRATION OF OLDER POPULATION IN INDIA AND ITS REASONS: INSIGHTS FROM CENSUS OF INDIA
6.	DR M N MEGERI	271	ESTIMATION AND FORECASTING OF URBAN POPULATION OF MALE AND FEMALE FOR DIFFERENT REGIONS OF INDIA USING GROWTH MODELS
7.	ARJUN JANA	273	FEMALE STERILISATION IN INDIA: EXAMINING THE ROLE OF WOMEN'S OWN DECISION MAKING AND INFORMATION GIVEN TO CLIENT
8.	GANGADEVI S	285	COPING STRATEGIES ADOPTED DURING COVID-19: A STUDY AMONG MARRIED COUPLES IN TAMIL NADU
9.	POOJA TRIPATHI	286	PREVALENCE, DETERMINANTS AND SPATIAL DISTRIBUTION OF ANAEMIA AMONG MEN IN RURAL INDIA: EVIDENCE FROM A NATIONALLY REPRESENTATIVE SURVEY
10.	NIHARIKA AWASTHI	287	SPOUSAL AGE GAP AND AUTONOMY OF MOBILITY AMONG WIVES LEFT BEHIND: KERALA MIGRATION SURVEY, 2018
11.	ASHISH VIJAYKUMAR PARDHI	292	UNDERSTANDING MEN'S MASCULINE ATTITUDE TOWARDS WOMEN'S ROLES AND ACTIVITIES IN RURAL PUNE, INDIA: A CROSS-SECTIONAL STUDY
12.	PAPAI BARMAN	315	ASSOCIATION BETWEEN PHYSICAL IMPAIRMENT AND DEPRESSION AMONG OLDER PEOPLE: DO SOCIAL ENGAGEMENT AND LIVING ARRANGEMENT MEDIATE THE RELATIONSHIP?
13.	CHITRA SAROJ	323	CONTRACEPTIVE DISCONTINUATION: A COMPREHENSIVE STUDY USING MULTIPLE DECREMENT MODEL
14.	AYUSHI SINGH	331	PREVALENCE AND PREDICTORS OF DEPRESSION AMONGST HYPERTENSIVE INDIVIDUALS: A NATIONALLY REPRESENTATIVE STUDY AMONG INDIVIDUALS AGED 45 YEARS AND ABOVE
15.	BABUL HOSSAIN	346	DOES LIVING WITHOUT CHILDREN ASSOCIATED WITH THE POOR HEALTH STATUS BETWEEN WIDOWERS AND WIDOWS IN THEIR LATER AGES?
16.	DAISY SAIKIA	362	INSOMNIA AND ITS TREATMENT-SEEKING AMONG THE ELDERLY IN INDIA
17.	SOURAV MONDAL	364	PERCEIVED QUALITY OF STERILISATION CARE AMONG WOMEN IN INDIA
18.	DR. ARVIND KUMAR	379	CLIMATE CHANGE, AND STATISTICAL MODELS TO MEASURE THE TRENDS IN TEMPERATURE: A STUDY OF LUCKNOW AND NEW DELHI
19.	TRUPTI MEHER	381	PREMATURE MENOPAUSE AMONG WOMEN IN INDIA: EVIDENCE FROM NATIONAL FAMILY HEALTH SURVEY-V
20.	AMIT KUMAR GOYAL	390	ASSOCIATION OF PAIN AND DEPRESSION AMONG MIDDLE-AGED AND OLDER ADULTS OF INDIA
21.	MS. BABITA	394	MENSTRUAL HYGIENE MANAGEMENT AND REPRODUCTIVE TRACT INFECTIONS

Annexure A2.

Program Schedule, North-Eastern Regional Conference of IASP 2023 by the IASP

DAY 1: Date: 18-05-2023

Registration: 08:30 AM Onwards

INAUGURAL PROGRAMME

Time: 09:30 AM to 11:00 AM

Venue- Auditorium

Inviting dignitaries to Dais	Anchor -Bodoland University
Welcome address and Lighting of Lamp 09:30 AM - 09:35 AM	Local organizer -Bodoland University
Opening remarks 09:35 AM - 09:40 AM	Dr. Ajay K Singh
IASP Presidential address 09:40 AM - 10:00 AM	Prof. Suresh Sharma President, IASP
Keynote address 10:00 AM – 10:10 AM	Guest of honor
Special remark 10:10 AM - 10:30 AM	Prof. Ladu Singh Hon. Vice-Chancellor, Bodoland University
Concluding remarks 10:30 AM – 10:50 AM	Prof. Usha Ram General Secretary, IASP
Vote of Thanks 10:50 AM – 11:00 AM	Dr. Jeetendra Yadav Treasurer, IASP

TEA BREAK 10:30 AM -11:00 AM

Plenary Session 1

RASTA: Knowledge Building on Health and Nutrition in Northeast Region- Population Council

Date: 18-05-2023

Time: 11:30 AM to 1:00 PM

Chair: Prof F Ram, Former Director, IIPS, Mumbai	1. Family Planning in the Northeast India: Geographic, demographic, and programmatic priorities Dr Hemanta Meitei, Manipur University, Imphal
Moderator: Dr Rajib Acharya, Population Council, India &	2. Sexual and Reproductive Health of Adolescent and Youth in NE India: District level analysis Prof H Lhungdim, IIPS, Mumbai
	3. Assessing geographical vulnerability for MNCH in Northeast India

Dr. Subrata Mondal USAID	Prof Bimal Kumar Kar, Gauhati University, Guwahati 4. Tribal Health and Nutrition status in North-Eastern States of India Prof Vandana Upadhyay, Rajiv Gandhi University, Itanagar
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LUNH BREAK 1:00 PM- 2:00 PM

Poster Session

Date: 18-05-2023 Time: 1:00 PM- 2:00 PM

Poster Session

Time: 1:00 PM- 2:00 PM

ID	Author	Title
51	Fidiarity Kharumnuid	Gender Equality In Matrilineal Society:A Case Study Of Meghalaya
56	Cicily VL Ruatpuii	Knowledge and Perspectives of Family Planning and Use of Contraceptives among Young Adults in Champhai Town, Mizoram, India
72	F Vlh Zuali	Reasons for delayed Marriage among Girls in Mizoram
89	Jyotika Deka	Impact of Child Marriage: A Qualitative Exploration in Darrang Distict Of Assam
139	Ongtham Kipjen Singh	Spousal Violence in Northeast India: Special Reference to Manipur
149	Pranti Dutta	Dynamics of Contraceptive Use among Women of North East India
192	Sharatchandra Haobijam	Spatial variation and geographically weighted regression analysis of domestic violence in Northeast India
198	Soilalsiem Gangte	Childhood Vaccinations in North-East India: Trend, Pattern, and Influencing Factors for Low Coverage
224	Mrinali Narzari	Issues of Maternal Health Care Services Among Tea Garden Women in Cachar District, Assam
225	Kanchan Devi	Infant Mortality among the Tea Garden Workers in Upper Assam: Insights from a field Survey

Plenary Session 2: Maternal Mortality with Special Focus on North-East Region

Date: 18-05-2023 Time: 2:00 AM to 3:30 PM

Chair: Prof. K S James	Speakers 1. Dr. Sanjay Kumar UNFPA 2. Dr. Subrata Mondal USAID 3. Prof. Dilip Chandra Nath, Professor Emeritus School of Applied & Pure Sciences, The Assam Royal Global University, Guwahati 4. Prof. Polly Vauquiline, Department of Women's Studies, Guwahati University, Guwahati
Moderator: Prof. Ladu Singh	

Tea Break 3:30 PM -4:00 PM

TECHNICAL SESSIONS: Date: 18-05-2023

Time: 4:00 PM- 5:30 PM

TECHNICAL SESSION 1 : Theme: Nuptiality, Fertility, Infertility, Abortion and Family Planning

Chairperson	Prof. F.Ram	
Discussant:	Dr Hemanta Meitei	
Session Coordinator	Dr. Jeemina Baglari	
Rapporteur:	Pankaj Kumar Patel	
Paper ID	Presenter	Title of the Paper
109	Mahadev Bhise	Prevalence and factors associated with adverse pregnancy outcomes in Northeast India: evidence from recent demographic health survey
116	Meena Hijam	Non-viable Pregnancy Outcomes among Women in Manipur: A spatial Clustering and Its Determinants
120	Brihaspati Mondal	Role of matriarchal and patriarchal in use of modern contraception and its perception among currently married men in Northeast India.
102	Labhita Das	Extent of adherence to the guidelines on Provision of Abortion care and challenges faced by the providers in rural Assam

TECHNICAL SESSION 2 : Mortality, Longevity, Morbidity, Public Health and health care expenditure

Chairperson	Prof. Usha Ram	
Discussant:	Dr. Gudakesh	
Session Coordinator	Dr. Sibani Basumatari	
Rapporteur:	Rajkumari Sanatombi Devi and Gudakesh	
Paper ID	Presenter	Title of the Paper
5	Aditi Das	The Impact of Health Care Insurance support on Maternal Health Care Utilisation in India and North-eastern States
66	Dipanjali Haloi	Impact of Covid-19 on maternal Health Care among underprivileged Women in Assam
71	Eva Ghosh	Child and Maternal Health of the Seven Sisters in India Analysis based on Five Rounds of NFHS Data
152	Priyanka Yadav	Out of pocket Expenditure and Financial hardship among Patients Seeking Cancer Treatment: A study of North-Eastern States of India
146	Poulami Barman	Estimating Dementia-free Life Expectancy (DemfLE): do social differences lead to decreased DemfLE in North-eastern India?

07.30 pm onwards Dinner

DAY 2

Date: 19-05-2023

TECHNICAL SESSIONS

9:30 AM-11:00 AM

Date: 19-05-2023

TECHNICAL SESSION 3: Migration, Development, Reproductive and Sexual Health

Chairperson	Prof. Polly Vauqueline	
Discussant:	Dr. Pralip Narzary	
Session Coordinator	Mr. Bhobesh Daimary	
Rapporteur:	Kshipra Jain and Sanjay Kumar Paul	
Paper ID	Presenter	Title of the Paper
73	Gita Naik	High Prevalence of Early Marriage Practice in North East India: A Threat on Adolescent Sexual and Reproductive Health Rights (ASRHRs)
12	Nandeibam Alfred rozer	Higher-Risk Sexual Behaviour among Youths in Northeast India: A Spatial and Multilevel Analysis
62	Dhirender Kumar	Menstrual Health and Hygiene Practices among Women in Assam India
157	Rahul	Migration for Education in India: With Special reference to North-eastern States
55	Chandrima Paul	Female migration pattern in the North-eastern states of India: Empirical evidences from the recent Census

TECHNICAL SESSION 4: Adolescent, Gender, and Development

Chairperson	Prof. D C Nath	
Discussant:	Prof. Usha Ram	
Session Coordinator	Dr. Konita Basumatary	
Rapporteur:	Priyanka Yadav and Rahul	
Paper ID	Presenter	Title of the Paper
101	Kshipra Jain	Gender Caste Development Index: Analysis of Urban women from states of Seven sisters
112	Manali Swargiary	Exploring the association between parental education and Bodo women's educational attainment in Assam
184	Sanjay Kumar Pal	Equity and Achievement in Access to Secondary or Higher Education among Women in India and its North-eastern region
150	Prasenjit De	Men's Attitude Towards Wife-beating in North-East India: Understanding the Pattern and Trend
209	Tanuja Basumatary	Female Empowerment Through Entrepreneurship Development: A Case Study of Kokrajhar District Assam

TEA BREAK 11:00 AM to 11:30 AM

TECHNICAL SESSIONS

11:30 AM-01:00 PM

Date: 19-05-2023

TECHNICAL SESSION 5: Health and Nutrition

Chairperson	Prof. Suresh Sharma	
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Discussant:	Dr. Dhirender Kumar	
Session Coordinator	Dr Jhanin Mushahary	
Rapporteur:	Chandrima Paul and Sourav Dey	
Paper ID	Presenter	Title of the Paper
141	Pankaj Kumar Patel	High burden of anaemia and its socioeconomic determinants among women and children in Northeast India: Detecting spatial clustering
158	Rahul Sen	Infant and young child feeding practices and its determinants in Assam, India Insight from NFHS -5
226	Jyotismita Sharma	Prevalence of undernutrition using low MUAC -for-age among Karbi Tribal preschool (<5years) children of Assam, India
107	Lobsang Tshering Bhutia	Spatial Pattern and Determinants of Anaemia and its association with Mosquito-Borne Disease Vulnerability in Eastern and North Eastern India
40	Banrisha T	An Assessment of Nutritional Status among Children of East Khasi Hills District of Meghalaya:A Case Study
92	Kamna	Prevalence and Change in child growth failure among under-5 children in Assam: A comparative study from NFHS-4 and NFHS-5

TECHNICAL SESSION 6: Population Policies, Program, Elderly Health and Covid-19

Chairperson	Dr. Rajib Acharya	
Discussant:	Dr. Gudakesh	
Session Coordinator	Dr. Manab Medhi	
Rapporteur:	Labhita Das and Aditi Das	
Paper ID	Presenter	Title of the Paper
164	Rajkumari Sanatombi Devi	Factors associated with correct knowledge on COVID-19 among the economically productive age group living in an international border area in northeast India
18	Moirangthem Hemanta Meitei	Socio Economic Condition of Manipur: A Situational Analysis of the Communities
52	Bishwajeet Besra	Delayed Immunization in North Eastern Region of India: A Geo-Spatial Analysis
14	Amit Kumar Goyal	Alarming Socio-Economic Divide: The Shocking Truth About Pain Among Middle-aged and Older Adults in North-eastern India

13	Ambuja Kowgli	Creating people centric programs through participatory needs assessment: Findings from an exercise conducted in BTC
24	Dr. Anupam Kumar Prof. D. P. Singh	Digital Literacy in North-East

Lunch Break 1:00 PM -2:00 PM

TECHNICAL SESSIONS

02:00 PM-03:30 PM

Date: 19-05-2023

TECHNICAL SESSION 7: Communicable and Non-Communicable Diseases

Chairperson	Dr. Sanjay Kumar UNFPA	
Discussant:	Dr. DP Singh	
Session Coordinator	Dr. Jeemina Baglari	
Rapporteur:	Kamna, Gita Naik	
Paper ID	Presenter	Title of the Paper
74	Gudakesh	How Hypertension Puts the Heart at Risk in North-eastern States of India: Uncovering the Risks and Impacts
140	Palak Sharma	Incident Diabetes and the contributing factors in North East India
186	Sasanka Boro	Burden of Non-communicable diseases due to substance use among elderly in the North-eastern states of India: a study based on LASI survey: 2017-18
211	Tingwang	Social Correlates and Treatment-Seeking Behaviour Associated With Tuberculosis In India: A Focus On North-Eastern States
50	Biraj Kalita	Hazard Factors and Survivability of Oesophageal Cancer Patients in Assam, North East India: A Cox Proportional Hazard Model Approach

TECHNICAL SESSION 8 : Miscellaneous Health Issues in North East Time: 2:00 PM -3:30 PM

Chairperson	Prof. Ladu Singh	
Discussant:	Dr. Ajay Kumar Singh	
Session Coordinator	Dr. Sibani Basumatari	
Rapporteur:	Biswajeet Besra	
Paper ID	Presenter	Title of the Paper

202	Sourav Dey	Environmental Health Problems among Children in North-eastern States of India
213	Ujjwal Das	Number of years life lost (DALY) due to multi-morbidity among the older adult in West Bengal
180	Samba Siva Rao Pasupuleti	Health and economic burden due to alcohol related liver diseases in the North-eastern states of India: a Markov probabilistic model approach
172	Tej Bali Singh	Religion Wise Population Change in Eastern States During 2001 to 2011 Census
130	Neelkamal Alomayan Kalita	Association of flooding duration with short term health outcomes in Assam

Valedictory Session Date: 19-05-2023 Time: 4:00 PM -4:30 PM

Valedictory Session Chair: Prof. F. Ram / Concluding Session/ Group Photo	<ol style="list-style-type: none"> 1. Prof. Suresh Sharma 2. Prof. Usha Ram 3. Prof. L Ladu Singh 4. Dr. Jeetendra Yadav 5. Dr. Manjil Basumatary
High Tea	4:30 PM – 5:00 PM