



# SHARE INDIA

Society for Health Allied  
Research and Education India



ANNUAL REPORT 2015

Professor P S Reddy & Professor Keerti Shah



## Professor Keerti Shah visits SHARE INDIA - A 13 year Association

Prof. Keerti Shah, Bloomberg School of Public Health, University of Maryland, Baltimore was introduced to Dr. P.S. Reddy by Dr. Swarna Chanduri, an oncologist and patron of SHARE USA, on 29th June 2001. He was involved with two Indo-American projects in collaboration with All India Institute of Medical Sciences and Christian Medical College, Vellore. During his visit to SHARE INDIA, Hyderabad from 16th-18th Oct, 2001, he was impressed with the house-hold database of 40 villages in Medchal Mandal and helped SHARE INDIA write a joint proposal with Johns Hopkins University to evaluate various strategies in screening the population for Cervical Cancer, Johns Hopkins University was funded by NIH; SHARE INDIA was funded by Department of Biotechnology. The project known as CATCH (Community Access to Cervical Health) was initiated in 2002 and completed in 2009 by his associate Dr. Patti Gravitt. Field workers trained by them continue to be the backbone for all field research. Prof. Keerti Shah and his associate Dr. Patti Gravitt laid the foundation for systematic epidemiologic research at SHARE INDIA - MIMS. Prof. Keerti Shah visited SHARE INDIA on 3rd December, 2014. The faculty from MIMS presented the research work and Prof. Shah was amazed that the seed sown by him many years ago is now bearing fruits.

## SHARE started with a simple thought

In 1981 Expatriate scientists and other Indians living in the United States desiring to help their mother land formed a nonprofit organization SHARE USA (Science Health Allied Research & Education) as the seed of a noble thought that became a flourishing tree of health and multiplying joys by aiming to SHARE technical knowledge in the field of medicine, research and scientific education.

This intrepid band of professionals along with committed Indian philanthropists led by the visionary Dr. P.S. Reddy desired to give / create something substantial, specially to give back to their motherland as a token of gratitude. The dream was to commit their wealth of expertise in service of humanity. Thus was born SHARE INDIA in 1986.

### Vision

- ◆ Excellence in Research; promoting future health research scientists.
- ◆ Excellence in public health through innovation and technology.
- ◆ Excellence in acquisition and application of knowledge.

### Mission

- ◆ Our mission is to cultivate an environment in medical schools of India that fosters research; unleashing the innovation potential dormant in every one to solve local and global health problems.
- ◆ Our objective is to enhance the capability of faculty and students of MIMS (MediCiti Institute of Medical Sciences) to engage in world class research.
- ◆ Our goal is to work collaboratively with other institutions to encourage a culture of scientific enquiry in Medical Colleges of Telangana and India.

### Philosophy of SHARE

Nature has created a divided world of those who have the capacity to give and those who have the need to receive. We are the lucky few who are blessed with the capacity to give rather than receive. Let us thank God for giving the capacity and opportunity to give by giving.





Society for Health Allied Research & Education India (SHARE INDIA) was formed and registered in 1986 under the Andhra Pradesh Public Societies Registration Act, 1350 (Fasli). SHARE INDIA is recognized as a Scientific and Industrial Research Organization (SIRO), by Department of Scientific & Industrial Research, Ministry of Science & Technology, Government of India. Donations to SHARE INDIA are tax exempted under section 35(1)(ii) of the Income Tax Act.

### Governing Council Members of SHARE INDIA

- Dr. P. S. Reddy, Chairman  
Professor of Medicine, University of Pittsburgh, Pittsburgh, USA.
- Mr. M.K. Agarwal, Vice Chairman & Treasurer  
Founder and CEO, GATI Ltd., Hyderabad.
- Dr. V. Malakonda Reddy, Secretary  
Educationalist and Founder of Engineering Colleges CBIT & MGIT, Hyderabad.
- Dr. Madhu Mohan, Secretary General  
Endocrinologist, Maryland, USA.
- Dr. Vijay V. Yeldandi, Member  
Clinical Professor of Medicine & Surgery,  
University of Illinois at Chicago, USA.
- Mr. Y. S. Chowdary, Member  
Founder, Sujana Group of Companies, Hyderabad.
- Dr. A. Gopal Kishen, Member  
Nephrologist and former Medical Superintendent, Osmania Hospital, Hyderabad.
- Dr. Prakash N. Shrivastava, Member  
Professor Emeritus, University of Southern California, USA.







## Scientific Research Advisory Committee

Prof. C.R. Rao, Founder & Distinguished Professor (Emeritus) and Advisor,  
C.R. Rao Advanced Institute of Mathematics, Statistics and Computer Sciences (AIMSCS),  
Hyderabad.

Dr. B. Sesikera, Former Director, National Institute of Nutrition, Hyderabad.

Dr. Seyed E. Hasnain, Professor, Kusuma School of Biological Sciences,  
Indian Institute of Technology, New Delhi.

Dr. J. Gowri Shankar, Director, Center for DNA Fingerprinting and Diagnostics, Hyderabad.

Prof. Sambasiva Rao V., Director, BITS Pilani Hyderabad Campus, Shamirpet Mandal,  
R. R. District, Hyderabad.

Dr. G.V.S. Murthy, Director, Indian Institute of Public Health (Hyderabad), Hyderabad.

Dr. A. Appa Rao, Director, C.R. Rao Advanced Institute of Mathematics,  
Statistics and Computer Sciences (AIMSCS), Hyderabad.

Dr. B.M. Gandhi, former advisor to DBT, Ministry of Science and Biotechnology, New Delhi.

Dr. Patti E. Gravitt, Professor, Department of Pathology, University of New Mexico,  
Albuquerque, NM.

Dr. B. Sashidhar Rao, Professor & HOD, Department of Biochemistry, UCS, O.U, Hyderabad.

Dr. Muralidhar S. Rao, President & Sr. Consultant, Dhanvantri Charitable & Trust Hospital,  
Gulbarga, Karnataka.

Dr. D. Prabhakaran, Executive Director, Centre for Chronic Disease Control, New Delhi.

Dr. S.P. Vasireddi, Chairman & Managing Director, Vimta Labs Ltd., Hyderabad.

Dr. C. Venkata S. Ram, Director, Apollo Institute for Blood Pressure,  
Apollo Group of Hospitals, Hyderabad.

Dr. P. S. Reddy, Chairman, SHARE, MediCiti Institute of Medical Sciences, Hyderabad.

Dr. Ganesh Oruganti, Director - Public Health, SHARE INDIA, Hyderabad.

Dr. K. Vijayaraghavan, Director Research & Former Dy. Director,  
National Institute of Nutrition, Hyderabad.

Dr. K. Balasubramanian, Associate Director Research, SHARE INDIA, Hyderabad.

## “National Initiative to Strengthen & Coordinate HIV/TB Response in India” - NISCHIT

Principal Investigator:

Dr. Vijay V Yeldandi,  
Clinical Professor of Medicine & Surgery,  
University of Illinois at Chicago, USA.

Amount of funding: US \$ 750,000 (Annually Rs. 4.43 Crores for 5 Years)

Source of Funding: Centers for Disease Control and Prevention (CDC), Atlanta, USA.

Collaborating partners: National Institute of Research in Tuberculosis (NIRT).

The overarching purpose of this HIV-TB Care and Treatment Quality improvement project “NISCHIT” is to address gaps in coverage; improve quality of data; increase retention rates in HIV care and treatment and enhance HIV/TB collaboration mechanisms in India's NATIONAL AIDS Control Program (NACP) . It also intends to increase intensive case finding (ICF) rates, access and referral of TB services to Key Populations (KPs) through innovative and evidence based pilot studies and to prevent air borne transmission of TB in Antiretroviral therapy (ART) centres and Link ART centres through operations research followed by scale-up.

Objectives:

- Strengthening NACP-RNTCP coordination mechanisms in eight northern states.
- Demonstrating innovative approaches to scale up ICF among KPs in TI program and People Living with HIV (PLWH) in ART and Link ART centers.
- Strengthening airborne infection control initiatives and promotion of cough hygiene in ART centers in the country
- Developing competencies of ART centers to improve coverage and retention of PLWH in treatment.



Dr. Satish Kaipilyawar,  
SHARE INDIA.



Dr. Ganesh Oruganti,  
SHARE INDIA.



Dr. Vijay V. Yeldandi,  
University of Illinois at Chicago, USA



## “Laboratory Quality Systems in HIV” – LaQSH

Principal Investigator:

Dr. Vijay V. Yeldandi,  
Clinical Professor of Medicine & Surgery,  
University of Illinois at Chicago, USA.

Amount of funding: US \$ 900,000 (Annually Rs.5.31 Crores for 5 Years)

Source of funding: Centers for Disease Control and Prevention (CDC), Atlanta, USA.

The purpose of project “LaQSH” is to support the implementation of sustainable, evidence-informed quality improvement activities for the laboratory services and systems in the country such that the capacity to provide timely and reliable diagnostic support services for national HIV/AIDS treatment and care programs is strengthened. The project will provide Technical Assistance (TA) in implementing the Quality Management Systems (QMS) in India's National AIDS Control Program (NACP) laboratories, strengthening testing network for HIV and related diseases under the President's Emergency Plan for AIDS Relief (PEPFAR).



Dr. Ramesh Allam,  
SHARE INDIA.



Dr. Ganesh Oruganti,  
SHARE INDIA.



Dr. Vijay V. Yeldandi,  
University of Illinois at Chicago, USA

## Empowering Indian Health Researchers with Computational Modeling Tools

### Principal Investigators:

Dr. Donald S. Burke, Dean, University of Pittsburgh Graduate School of Public Health (GSPH) and Associate Vice Chancellor for Global Health, Health Sciences, University of Pittsburgh, PA, USA.

Dr. Clareann H. Bunker, Associate Professor, Department of Epidemiology, GSPH, University of Pittsburgh, PA, USA.

Dr. S. Pyne, C.R. Rao Advanced Institute of Mathematics, Statistics and Computer Sciences (AIMSCS), Hyderabad.

### Co-Investigators:

Dr. Supriya Kumar - Department of Epidemiology, GSPH, University of Pittsburgh, PA, USA.

Prof. Ramanan Laxminarayan, Vice President Research and Policy, Public Health foundation of India, Hyderabad.

Amount of funding: US \$ 108,000 (Rs.66.96 Lakhs for 3 years)

Source of funding: NIH Fogarty International Center.

This project is to be implemented with Graduate School of Public Health, University of Pittsburgh, SHARE INDIA – MediCiti Institute of Medical Sciences and CR Rao AIMSCS, University of Hyderabad, India on human capacity building of Public Health Professionals in India. The grant is approved for 3 years.



Dr. Donald S. Burke,  
University of Pittsburgh, PA, USA.



Dr. Clareann H. Bunker,  
University of Pittsburgh, PA, USA.



Dr. S. Pyne, C.R. Rao ,  
(AIMSCS), Hyderabad.



Prof. Ramanan Laxminarayan,  
PHFI, Hyderabad.



Dr. Supriya Kumar ,  
University of Pittsburgh, PA, USA

## Mycoplasma Genitalium, Differentiated Ureaplasma species, and Pregnancy Outcomes

### Principal Investigator:

Dr. Catherine Haggerty, Associate Professor, Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, PA, USA.

### Co-Principal Investigator:

Dr. Kalpana Betha, Professor and Head, Department of Obstetrics & Gynecology, MediCiti Institute of Medical Sciences.

Amount of funding: US \$ 42,000 (Rs.26.04 Lakhs)

Source of funding: NIH Fogarty International Center.

### The objectives of the study are to:

- Determine the relationships between vaginal infection with Mycoplasma genitalium, Ureaplasma urealyticum, Ureaplasma parvum and adverse pregnancy outcomes, including Spontaneous Abortion and Pre Term Birth.
- Examine chorioamnionitis as a mediating factor between Mycoplasma genitalium or Ureaplasma infection and spontaneous Pre Term Birth.



Dr. Kalpana Betha,  
MediCiti Institute of Medical Sciences.



Dr. Catherine Haggerty,  
University of Pittsburgh, PA, USA.



## Metabolic Syndrome among People Living with HIV - An Indian Perspective

### Principal Investigator:

Dr. Clareann H. Bunker, Associate Professor, Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, PA, USA.

### Co-Principal Investigator:

Dr. Jammy Guru Rajesh, Tutor, Department of Community Medicine, MedCiti Institute of Medical Sciences.

Dr. Manjunath Dinaker, Physician, GYD Diagnostics Lab (Pvt.) Ltd. Hyderabad.

Amount of funding: US \$ 48,398 (Rs.29.88 Lakhs)

Source of funding: NIH Fogarty International Center.

The objectives of the study are to:

Estimate the prevalence of metabolic syndrome among the sample People Living with HIV.

Explore research areas for policy making and addressing co-infection of non-communicable diseases.

Hypertension, blood pressure and lipid profile are collected from the clients with their consent. As on March, 2015, 162 participants against the 400 participants to be recruited in the study. Identifying creatinine levels, blood picture, height, weight of the participants and administering questionnaires, identifying risk factors are also included in the project.



Dr. Jammy Guru Rajesh,  
MedCiti Institute of Medical Sciences.



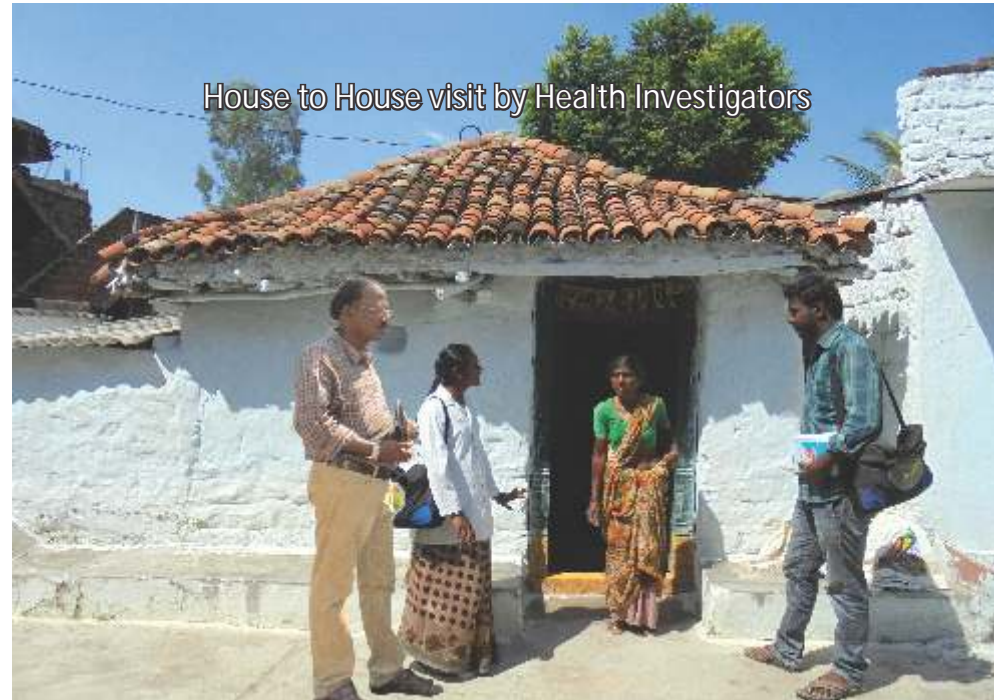
Dr. Manjunath Dinaker,  
GYD Diagnostics Lab (Pvt.) Ltd. Hyderabad.



Dr. Clareann H. Bunker,  
University of Pittsburgh, PA, USA.

# TETRA

**T**echnology Enabled Community Health Workers to  
**E**xtend  
**T**elemedicine to  
**R**ural homes at  
**A**ffordable costs.



# TETRA Telemedicine





## TETRA

### Technology Enabled Community Health Worker Led Intervention to Reduce Cardiovascular Disease Burden in India

Principal Investigator:

Dr. K. Vijayaraghavan, Director Research,  
SHARE INDIA.

Co- Investigator:

Dr. D. Shailendra, Associate Professor, Department of Pharmacology,  
MediCiti Institute of Medical Sciences.

Amount of Funding: Rs. 15 Lakhs Interim grant for feasibility study from HP (Hewlett Packard).

Source of Funding: Awaited from ICMR

In this project, the community health workers equipped with low cost point-of-care devices and a tablet device for data collection will be networked via telemedicine with physicians at a remote center to screen, detect and facilitate treatment of hypertension and diabetes. The community health workers will receive physician guidance in dispensing medicines and conducting follow-up of screen detected patients. This model of screening, detecting, treating and providing follow-up services at the doorsteps of beneficiaries will reduce the costs associated with hospital visits and ensure a continuum of care that is essential for reducing adverse cardiovascular outcomes associated with poorly controlled diabetes and hypertension.

The study concept is approved by ICMR and full proposal is under review. Hewlett Packard has supported the feasibility study done at Girmapur village of Medchal Mandal, Telangana State. A baseline was conducted from December 2014-February 2015 in Girmapur village to identify the logistic and operational challenges of technology enabled systems. Seven health care workers were equipped with devices for measuring blood glucose and blood pressure with a tablet device for data entry and to use it for sharing with the physician at the MediCiti Hospital via secure data cloud. This is a Community Health Worker led intervention.

A proposal is submitted to Hewlett Packard for sanction of Rs. 25 lakhs. Post sanction, this project aims to provide this service to 10,000 members of the population in Medchal Mandal.



Dr. D. Shailendra,  
MediCiti Institute of Medical Sciences.



Dr. K. Vijayaraghavan,  
SHARE INDIA.

## DNG 10 - Prospective dengue sero-prevalence Study in 5 to 10 Year-old children in India – A community based descriptive cross sectional study

Principal Investigator:

Dr. Ganesh Oruganti, Director Public Health, SHARE INDIA.

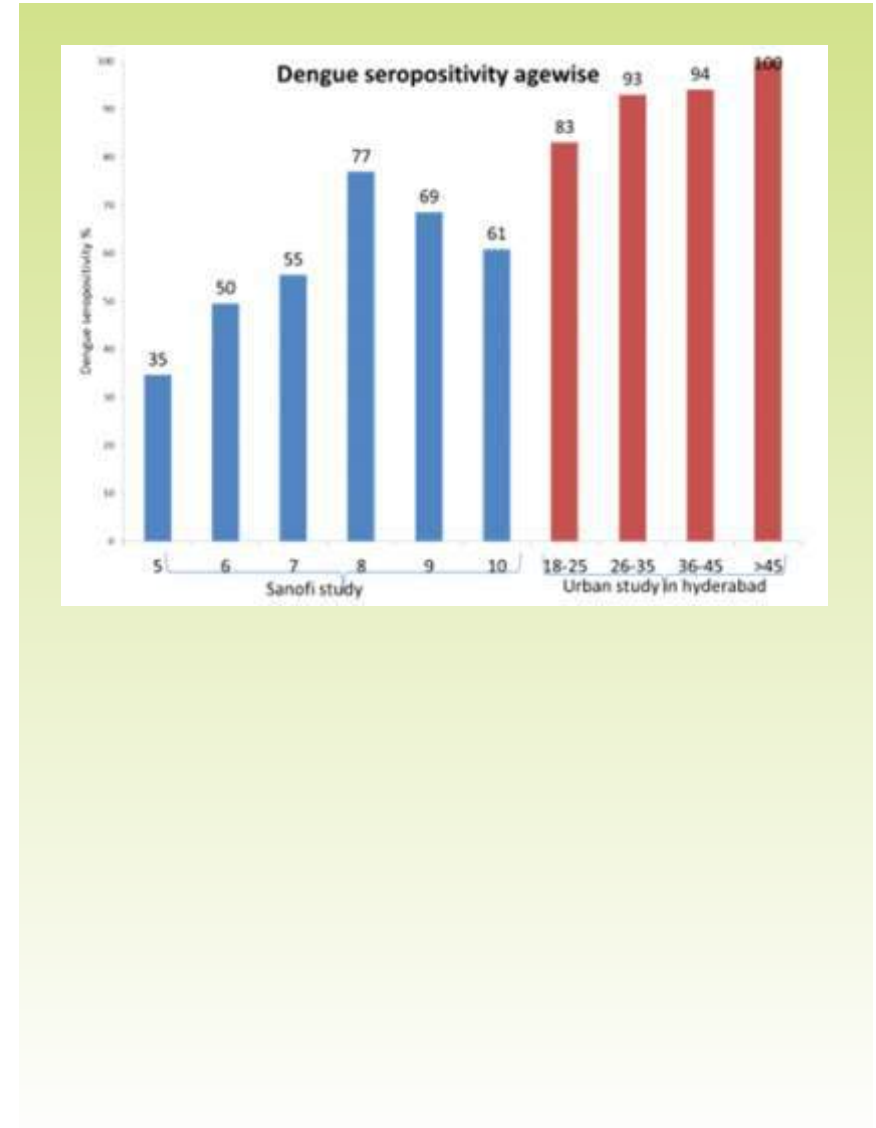
Co- Investigators:

Dr. Enakshi Ganguly, Associate Professor & Dr. Jammy Guru Rajesh, Tutor,  
Department of Community Medicine, MediCiti Institute of Medical Sciences.

**Amount of funding: €16,134 (Rs. 11.30 Lakhs)**

Source of funding: Sanofi Pasteur, France.

This study was conducted to determine the prevalence of specific antibodies (immunoglobulin G, IgG) against Dengue in healthy 5 to 10 year-old children in India under the sponsorship of Sanofi Pasteur. This study was conducted in 8 geographically distinct sites across India and SHARE INDIA implemented this study in 2 sites. Overall, Dengue IgG prevalence in the SHARE INDIA implementation sites was 58%. The proportion of seropositive subjects did not differ according to sex but differed according to age. Dengue IgG prevalence was higher in 8-10 year old than in 5-7 year-old subjects. This study has been presented in the 10<sup>th</sup> Joint Annual Conference of ISMOCD and IAE, October 10–12, 2014, Goa, India.



## DNG 09 - Prospective, multi-center, community-based incidence study of symptomatic dengue in India

### Principal Investigator:

Dr. Ganesh Oruganti, Director Public Health,  
SHARE INDIA.

### Co- Investigator:

Dr. Jammy Guru Rajesh, Tutor, Department of Community Medicine, MediCiti Institute of Medical Sciences.

Dr. Enakshi Ganguly, Associate Professor, Department of Community Medicine, MediCiti Institute of Medical Sciences.

Amount of funding: Rs. 1.00 Crore (approximately)

Source of funding: Sanofi Pasteur, France.

This study is proposed to be conducted in 4 sites in India, of which SHARE INDIA will implement it in one site under the sponsorship of Sanofi Pasteur. This is a population-based prospective study to estimate the population-based incidence of symptomatic laboratory-confirmed dengue infection in the catchment population of each study site. Necessary approvals for this study are in progress.



Dr. Jammy Guru Rajesh,  
MediCiti Institute of Medical Sciences.



Dr. Enakshi Ganguly,  
MediCiti Institute of Medical Sciences.



Dr. Ganesh Oruganti,  
SHARE INDIA.



## Comprehensive Intelligent Acute Respiratory Infection (ARI) Monitor for early detection of pneumonia in rural areas of Medchal Mandal, Andhra Pradesh

### Principal Investigator:

Dr. Enakshi Ganguly, Associate Professor, Department of Community Medicine, MedCiti Institute of Medical Sciences.

### Co-Principal Investigator:

Dr. M. B. Srinivas, Professor, EEE Department & Dean, Administration, BITS Pilani (Hyderabad) Campus, Hyderabad.

### Co- Investigators:

Dr. Uma Ramachandran, Professor and Head, Department of Pediatrics,  
Dr. Pawan Kumar Sharma, Associate Professor, Department of Community Medicine, MedCiti Institute of Medical Sciences.  
Dr. K. Balasubramanian, Associate Director Research, SHARE INDIA.

Amount of funding: Rs. 13.62 Lakhs (first Year- Total study cost will be Rs. 40.00 Lakhs.)

Source of funding: ICMR, New Delhi.

Pneumonia control among children relies much on early detection of danger signs and prompt referral to an equipped health facility. Peripheral health workers in rural areas have been trained for identifying these danger signs of pneumonia in children using IMNCI guidelines, but failure to correctly classify the children to initiate prompt treatment causes many misclassified children to succumb to death.

In response to call for proposals to reduce pneumonia deaths among children, we developed and submitted a novel idea of ARI Monitor for early detection of danger signs. It detects four parameters namely heart rate, temperature, SpO2 and respiratory rate in children in a single reading, and transmits this information to a health center for interpreting the information and provide immediate feedback and also arrange for referral of the sick children. Phase 1 of the study aims to test the validity and reliability of the ARI monitor.

### Objectives:

- (i) To test the validity of a Comprehensive Intelligent ARI monitor to correctly record four parameters- heart rate, temperature, SpO2 and Respiratory rate among infants and under five children suffering with respiratory symptoms attending pediatric outpatient department or admitted to the pediatric ward of MedCiti Institute of Medical Sciences, Medchal Mandal, Telangana State.
- (ii) To test the reliability of the cut off alarms of the Comprehensive Intelligent ARI monitor.

The prototype has been developed and is undergoing refinement currently. It is expected to be ready for testing in the next two months. This is a 3 years study.



Dr. Enakshi Ganguly,  
MedCiti Institute of Medical Sciences.



Dr. M. B. Srinivas,  
BITS Pilani (Hyderabad) Campus,  
Hyderabad.

## Serum Cystatin C as an early Biomarker of Pre- eclampsia

### Principal Investigator:

Dr. Padma Yalamati Assistant Professor, Department of Biochemistry, MediciTi Institute of Medical Sciences.

### Co- Investigators:

Dr. B. Aparna Varma, Professor & Head, Department of Biochemistry, MediciTi Institute of Medical Sciences.

Dr. Kalpana Betha, Professor, Department of Obstetrics & Gynecology, MediciTi Institute of Medical Sciences.

Dr. B. Shashidhar Rao, Professor & Head, Department of Biochemistry, University College of Science, Osmania University, Hyderabad.

Amount of funding: Rs. 18.13 Lakhs (For two years)

Source of funding: ICMR, New Delhi.

Serum Cystatin C increases during pregnancy and more so in pre-eclampsia and eclampsia. Physiological trophoblastic development is achieved by a balance between trophoblastic cathepsin and decidual Cystatin C expression. Pre-eclampsia is characterized by defective trophoblastic invasion due to cathepsin/cystatin c imbalance. We would conduct a prospective nested case control study of healthy women with singleton pregnancies, recruited during the first trimester. Women with pre-existing hypertension, Diabetes Mellitus, renal disease, Thyroid disease, Twins and those taking drugs will be excluded from the study. They will be followed up to delivery for pregnancy outcomes using uniform criteria. We would like to see if serum Cystatin C increases during early pregnancy and can act as an early biomarker for identifying women at high risk of developing pre-eclampsia and also assess whether high levels of cystatin C correlate with the severity of pre-eclampsia and its association with maternal and fetal outcomes which were not established in previous studies.

Objectives: Primary: To identify Serum Cystatin C as an early biomarker for preeclampsia and Secondary: (i) To identify Serum Cystatin C as a better marker for preeclampsia than serum creatinine or serum uric acid. (ii) To study the maternal and fetal outcomes with respect to serum cystatin C levels.



Dr. Padma Yalamati,  
MediciTi Institute of Medical Sciences.



Dr. B. Aparna Varma,  
MediciTi Institute of Medical Sciences.



Dr. B. Shashidhar Rao,  
University College of Science,  
Osmania University, Hyderabad.

## High Sero-prevalence of Dengue IgG antibodies among healthy individuals in Andhra Pradesh, India

Principal Investigator:

Dr. Ganesh Oruganti, Director Public Health, SHARE INDIA.

Co - Principal Investigators:

Dr. Manjunath Dinaker, Physician, GYD Diagnostics Lab (Pvt.) Ltd. Hyderabad.

Dr. Vijay V. Yeldandi, Clinical Professor of Medicine & Surgery,  
University of Illinois at Chicago, USA.

Amount of funding: Rs. 2 Lakhs

Source of funding: Local donations

Dengue fever is increasing in India and Andhra Pradesh and it is critical to know, the proportion of population exposed to Dengue virus infection. We assessed the approximate extent of exposure to Dengue virus infection in Hyderabad, Telangana State, by collecting a convenience sera sample from 200 apparently healthy individuals attending routine health checkup at a medium-sized urban reference laboratory. Sero-positivity of 89.5% (179 of 200) was found with IgG Indirect ELISA and confirmed with the Plaque Reduction Neutralization Test (PRNT). The high sero-positivity Dengue IgG of 89.5% indicates that the study population has been exposed to Dengue virus infection.

This study was published in the Indian Journal of Public Health Research & Development Year: 2014, Volume: 5, Issue: 1.



Dr. Ganesh Oruganti,  
SHARE INDIA.



Dr. Manjunath Dinaker,  
GYD Diagnostics Lab (Pvt.) Ltd. Hyderabad.



Dr. Vijay V. Yeldandi,  
University of Illinois at Chicago, USA

## Rethinking Reproductive Health Education: A Utility-Based Curriculum for High School Girls in Developing Countries

Principal Investigator:

Dr Supriya Garikipati, Associate Professor in Development Studies, University of Liverpool, UK.

Co – Investigator:

Ms. Anusuya Sivaram, Research Officer, Institute of Financial Management and Research India.

Dr. Jammy Guru Rajesh, Tutor, Department of Community Medicine, MediCiti Institute of Medical Sciences.

Amount of funding: UK £ 3200 (Rs. 2.92 Lakhs)

Source of funding: University of Liverpool.

SHARE INDIA has undertaken this study and the implementation of the curriculum will be done in collaboration with the University of Liverpool and Institute of Financial Management and Research (IFMR). In the first phase of the study, focus group discussions were conducted with adolescent girls, teachers and married couples to identify the existing need for improved reproductive health education. In the second phase, newly designed curriculum on reproductive health was implemented in 12 State government schools in Shamirpet and compared with the knowledge gains with control schools in the same mandal. Around 240 girl students studying in 9<sup>th</sup> and 10<sup>th</sup> standards from 12 schools participated in the program. The changes that occur in human body from childhood through adolescence to adulthood, pregnancy and childbirth were discussed. Participation in this discussion was completely voluntary. Various contraceptive methods were also explained to them. The study was conducted after taking IRB approvals from University of Liverpool and SHARE INDIA along with the consent of the District Education Officer, Principals, teachers and parents of the participating children of these 12 schools.



Dr. Jammy Guru Rajesh,  
MediCiti Institute of Medical Sciences.



Dr Supriya Garikipati,  
University of Liverpool, UK.



## Longitudinal Indian Family Health (LIFE) Study

### Principal Investigators:

Dr. Kusneniwar Govindrao N., Professor and Head, Department of Community Medicine, MediCiti Institute of Medical Sciences.

### Co- Investigators:

Dr. K. Vijayaraghavan, Director Research, SHARE INDIA.

Dr. Kalpana Betha, Professor & Head, Department of Obstetrics & Gynecology, MediCiti Institute of Medical Sciences.

Dr. D. Shailendra, Associate Professor, Department of Pharmacology, MediCiti Institute of Medical Sciences.

Dr. Jammy Guru Rajesh, Tutor, Department of Community Medicine, MediCiti Institute of Medical Sciences.

Source of funding: GATI Limited.

The Longitudinal Indian Family Health (LIFE) pilot study was established in 2009. The goal of this program is to understand the link between the environment in which Indian women conceive, pregnancy, child birth, physical and mental health along with the development of the child. The LIFE pilot study has the potential to pinpoint the root causes of many conditions that are excessively prevalent in India today, including poor pregnancy outcomes (pregnancy loss, low birth weight, pre-term birth) and developmental disorders of childhood.

Since 2009, 1,227 women have been recruited either prior to their conception or within their first trimester of pregnancy (<14 weeks gestation). These women have been followed through 1,387 pregnancies and 1084 deliveries. Baseline data have also been collected from husbands of 642 women. Anthropometric measures, biological samples (blood, urine, stool, vaginal swabs) and detailed questionnaires were completed during registration, the first and third trimesters, and at the delivery. Cord blood and meconium were collected at delivery. Anthropometric measures were collected for each child, along with a detailed health questionnaire and a developmental assessment at 01, 06, 12, 18, 24, 36, 48 and 60 months. At 36 months, each child is screened by a clinical psychologist for developmental delay, autism spectrum disorders, and symptoms of Attention Deficit Hyperactive Disorder (ADHD).

Questionnaires were completed for each pregnancy loss and infant or child death. The LIFE Bio-bank preserves over 6000 maternal, paternal, and child samples. Further details of how scientists may access this data are described below and at <http://sharefoundations.org/>.



Dr. K. Govindrao N.  
MediCiti Institute of Medical Sciences.

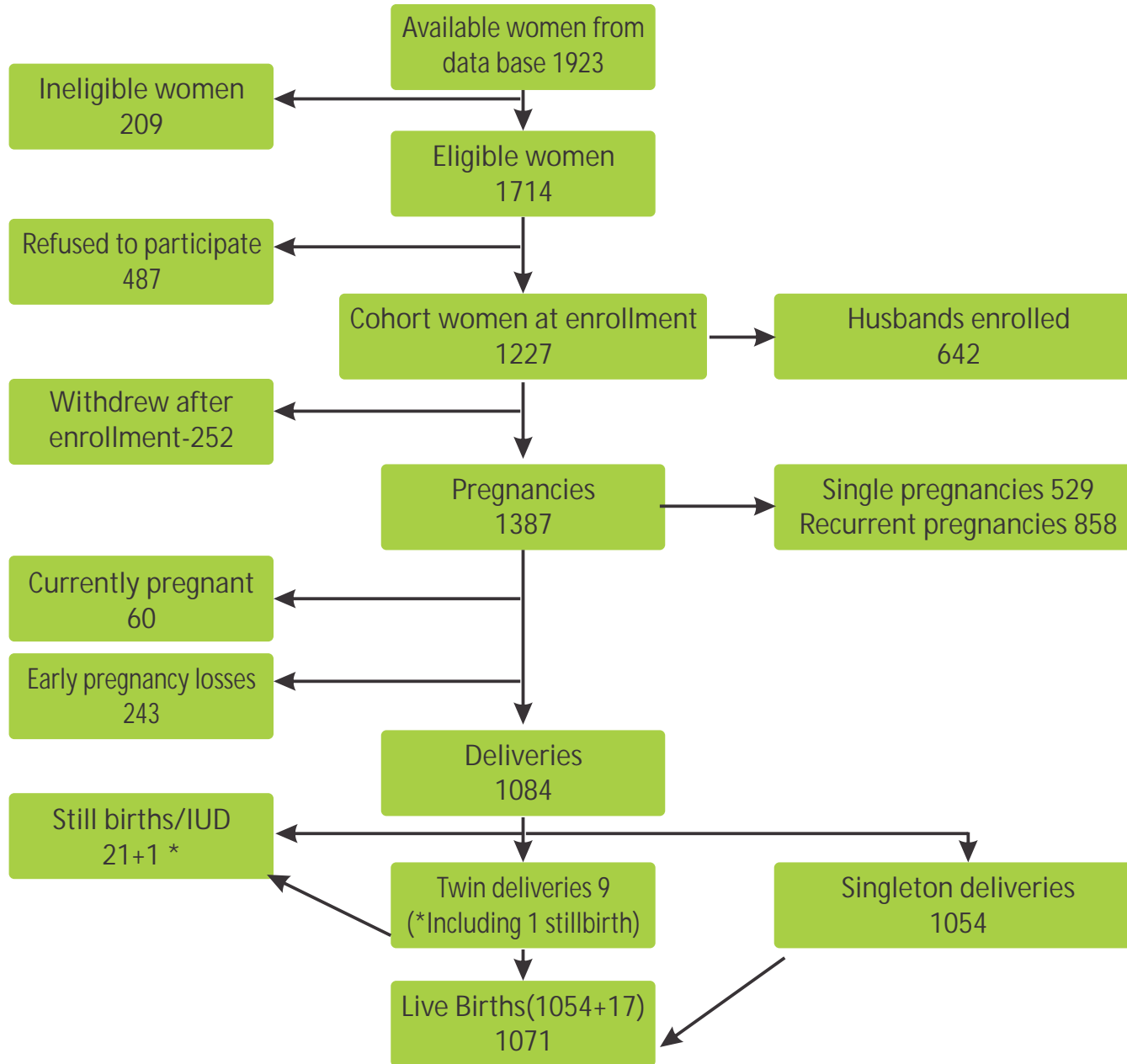


Dr. Kalpana Betha,  
MediCiti Institute of Medical Sciences.



Dr. Clareann H. Bunker,  
University of Pittsburgh, PA, USA.

## Recruitment Statistics



## Mobility and Independent Living in Elders Study - MILES

### Principal Investigators:

Dr. Pawan Kumar Sharma, Associate Professor, Dr. Jammy Guru Rajesh, Tutor & Dr. Kusneniwar Govindrao N., Professor, Department of Community Medicine, MediCiti Institute of Medical Sciences.

### Co-Principal Investigator:

Dr. K. Vijayaraghavan, Director Research, SHARE INDIA.

### Investigators:

Dr. K. Balasubramanian, Associate Director Research, SHARE INDIA. Dr. Enakshi Ganguly, Associate Professor, Department of Community Medicine, Dr. Aparna Varma, Professor, Department of Bio Chemistry, MediCiti Institute of Medical Sciences & Dr. T. Kamaraju, Tutor, Department of Community Medicine, MediCiti Institute of Medical Sciences.

Consultant India: Dr. B. S. Garg, Dean, MGIMS, Sevagram, India.

### Consultants University of Pittsburgh, USA:

Dr. Anne Newman, Chair, Department of Epidemiology & Director Center for Aging,  
Dr. Jane Cauley, Co-Director, Department of Epidemiology & Director, Center for Aging,  
Dr. Clareann Bunker, Associate Professor, Department of Epidemiology,  
Dr. Joseph M. Zmuda, Associate Professor, Department of Epidemiology,  
Dr. Tushar Singh, Ph.D Scholar, Graduate School of Public Health,  
University of Pittsburgh, USA.

Amount of Funding: US \$ 20,000 (Rs. 12.40 Lakhs -Pending approval for Phase III)

Source of funding: NIH Fogarty International Center

Mobility and Independent Living in Elders Study (MILES) is a long term project that has duration of 5 years.



Dr. Pawan Kumar Sharma,  
MediCiti Institute of Medical Sciences.



Dr. Jammy Guru Rajesh,  
MediCiti Institute of Medical Sciences.



Dr. Anne Newman,  
University of Pittsburgh, PA, USA.

This study was started in 2012 to:

1. Determine the prevalence of age-related chronic disease in older adults.
2. Determine the prevalence of socioeconomic, psychosocial, behavioral, dietary and environmental risk factors for age-related chronic disease and disability using examinations and non-invasive testing.
3. Determine which conditions are most strongly associated with mobility disability, both cross-sectionally and longitudinally.

The study was implemented in Medchal region of Telangana State, India, with collaboration of SHARE INDIA, MedCiti Institute of Medical Sciences and Graduate School of Public Health, University of Pittsburgh, USA.

Under the study, the following measurements were done: Questionnaire (medical history including general health and physical function), anthropometry, blood pressure, heart rate, measurements of physical functions (short Physical Performance battery, grip strength, 400 meter walk) vision, hearing, blood tests (lipid, hemoglobin, thyroid, creatinine and blood sugar) carotid ultrasound, peripheral computerized tomography, electrocardiogram, echocardiography and cognitive function test.

Status till March, 2015, we have completed three visits successfully in two years and the third year will commence in October 2015. A total of 564 participants with 282 males and 282 females have been enrolled and studied and being followed up longitudinally. Till now we have 83 participants lost for to follow-up, 61 expired and 22 with other reasons as 2 with permanent disabilities, 14 refusals and 6 moved out of the villages. For third year there are 480 participants to be followed.



Dr. K. Balasubramanian  
SHARE INDIA



Dr. Jane Cauley,  
University of Pittsburgh, PA, USA.



## Develop and Test 3D Printing Technology to Produce Innovative Limbs at Affordable Cost for the Disabled in India

### Principal Investigator:

Dr. Srinivasa Prakash Regalla, Professor and Head, Department of Mechanical Engineering, BITS Pilani (Hyderabad) Campus, Hyderabad.

### Co-Investigators:

Dr. Prakash N. Shrivastava, Professor Emeritus, University of Southern California, USA,  
Director- SHARE INDIA and  
Dr. D. Sudheer Reddy, Orthopaedic Surgeon, MediCiti Institute of Medical Sciences.

Amount of funding: INR 49.76 Lakhs

Source of funding: Biotechnology Industry Research Assistance Council (BIRAC), Department of Bio Technology, Government of India.

The project has been granted by BIRAC, Govt. of India, under the fifth round of its Biotechnology Ignition Grant (BIG) call to Dr. Srinivasa Prakash Regalla, a Mechanical Engineering Professor at the BITS Pilani, Hyderabad Campus. The co-investigator in the project is Prof. Prakash N. Shrivastava of SHARE INDIA-MIMS (who is also a Professor at the Keck School of Medicine, University of Southern California). In order to successfully develop and take forward this technology innovation and transfer, Prof. Regalla and Prof. Shrivastava have together incubated a company named "PSPR 3D Tech" at the Technology Business Incubator (TBI) located at the BITS Pilani, Hyderabad Campus. Under this BIRAC project, the current focus of the investigators is the development and testing of additive manufacturing technologies to effectively customize the manufacturing of trans-tibial prosthetics in superior composite materials. The investigators will pilot manufacture 15 such prosthetics and test on the patients.



Dr. Srinivasa Prakash Regalla,  
BITS Pilani (Hyderabad) Campus, Hyderabad.



Dr. Prakash N. Shrivastava,  
University of Southern California, USA,



## Annual Fogarty Meeting at NIH, Washington DC, USA, 13-15th May, 2015.

Dr. Kalpana Betha, Professor and Head, Department of Obstetrics & Gynecology, MediCiti Institute of Medical Sciences and Fogarty trainee (D43TW009078), presented a poster on 13th May, 2015 titled "An estimation of optimal gestational weight gain in a rural population in South India", at the Annual Fogarty Meeting at NIH, Washington DC, USA, held from 13-15th May, 2015. There were about 12 trainees at the meeting from all over the world.

Dr. P.S. Reddy, Professor of Medicine, University of Pittsburgh, PA, USA along with Dr. Clareann H. Bunker, Associate Professor, Graduate School of Public Health, University of Pittsburgh, PA, USA also attended the meeting.

## Fogarty International Research Training Grant SHARE INDIA University of Pittsburgh Population and Intervention Research Training

AIM: To train MIMS faculty in Population and Intervention research.

Principal Investigator:

Dr. Clareann H. Bunker, Associate Professor, Graduate School of Public Health,  
University of Pittsburgh, USA.

Co-Principal Investigator:

Dr. K. Vijayaraghavan, Director of Research, SHARE INDIA.

Amount of funding: US \$ 368,000 (5 year grant) - Current year US \$ 78,559 (Rs. 47.14 Lakhs approximately)

Source of funding: NIH Fogarty International Center

SHARE INDIA has been conducting training courses since 4 years from 2012 for the medical faculty and the students of MediCiti Institute of Medical Sciences (MIMS) on research methods through Graduate School of Public Health (GSPH), University of Pittsburgh. Dr. Clare Bunker, Associate Professor, Graduate School of Public Health, University of Pittsburgh, USA is the Principal Investigator of this program. The goal is to develop the research skills and teach the methodology in conduct of research. This is a five year training grant. The program of the last four training programs conducted are detailed in the following pages.



Dr. Clareann H. Bunker,  
University of Pittsburgh, PA, USA.



Dr. K. Vijayaraghavan,  
SHARE INDIA.



The First Fogarty training was conducted on “Introduction to Chronic Disease Research Methods” from 3-7th March 2012. 38 participants were trained during this program.







12:00-1:00 pm	Dr. Patti Gravitt	Observational study designs <ul style="list-style-type: none"> <li>  Cross-sectional studies</li> <li>  Case-control studies</li> <li>  Cohort studies</li> </ul>
Lunch		
2:00-3:00 pm 3:00-5:45pm	Dr. Jammy Guru Rajesh Mr. B. Ranjeeth Kumar Tea & snacks	Types of data Epi Info workshop - Setting up a data form, types of data, data entry Complete daily evaluation
6:00 pm	Group Projects	Formulate a question Brief literature review – what is known; what is not known Public health significance Study design
8:30pm	Dinner	
Sunday March 4th, 2012		
7:30-8:30 am 8:45-9:00 am 9:00-10:00 am	Breakfast Recap Dr. Patti Gravitt	Study Design Cross-sectional studies Hypothesis formulation Source population Selection of participants; sampling schemes
10:00-11:30 am	Dr. Clareann Bunker	Exploratory data analysis <ul style="list-style-type: none"> <li>a. Examining the data/identifying data errors <ul style="list-style-type: none"> <li>i. Frequencies</li> <li>ii. Histograms</li> <li>iii. Mean, median, mode</li> <li>iv. Box and whisker plots</li> </ul> </li> </ul>
11:30-1:00 pm	Dr. Balasubramanian	Exploratory data analysis – continuous variables <ul style="list-style-type: none"> <li>a. Measures of central tendency/measures of dispersion <ul style="list-style-type: none"> <li>a. Normal distribution</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>b. Mean, median, mode</li> <li>c. Standard deviation</li> <li>b. Exploratory data analysis – non-continuous variables               <ul style="list-style-type: none"> <li>a. Frequency tables</li> <li>b. 2x2 tables – interpreting row, column, cumulative percentages</li> </ul> </li> </ul>
<b>Lunch</b>		
2:00-3:00 pm	Dr. Balasubramanian	Rates and proportions <ul style="list-style-type: none"> <li>a. Prevalence</li> <li>b. Incidence</li> <li>c. Mortality</li> <li>d. Other commonly used rates</li> </ul>
3:00-5:00 pm	Mr. B. Ranjeeth Kumar	Epi Info workshop <ul style="list-style-type: none"> <li>  Exploratory data analysis</li> <li>  Frequency tables</li> <li>  Histograms</li> <li>  Box &amp; whiskers plots</li> <li>  Scatterplots</li> </ul> 2x2 tables – interpreting row, column, cumulative percentages
5:00-5:45 pm	Dr. Clareann Bunker	Protection of human subject scenarios
6:00 pm	Tea & snacks Group projects	Complete daily evaluation Formulate specific aims Formulate hypotheses Develop sampling scheme
8:30pm	Dinner	
<b>Monday March 5th, 2012</b>		
7:30-8:30 am	Breakfast	
8:45-9:00 am	Recap	
9:00-10:00 am	Mrs. Jamie Eastman	Define an exposure – how to measure Define an outcome – how to measure Precision and accuracy of measurements

10:00-1:00 pm	Dr. Rashmi Pant	Hypothesis testing, measures of association <ul style="list-style-type: none"> <li>  t-test</li> <li>  paired t-test</li> <li>  confidence intervals</li> <li>  p values</li> <li>  non-parametric tests</li> </ul>
Lunch		
2:00-3:00 pm	Dr. Rashmi Pant	Measures of association <ul style="list-style-type: none"> <li>  2 X 2 table</li> <li>  Chi square</li> <li>  Odds ratio</li> <li>  Relative risk</li> </ul>
3:00-5:00 pm	Mr. B. Ranjeeth Kumar	Epi Info workshop Hypothesis testing <ul style="list-style-type: none"> <li>  2 X 2 table</li> <li>  Chi square</li> <li>  Odds ratio</li> </ul>
5:00-5:45 pm	Dr. Clareann Bunker	Plagiarism
6:00 pm	Tea & snacks Group projects	Complete daily evaluation Define exposures; define outcome(s) Explore dataset Develop data analysis plan
8:30 pm	Dinner	
Tuesday March 6th , 2012		
7:30-8:30 am	Breakfast	
8:45-9:00 am	Recap	
9:00-10:00 am	Dr. Patti Gravitt	Bias Confounding Interaction
10:00-12:00 am	Dr. Balasubramanian	Correlation Scatterplot



12:00-1:00 pm	Mrs. Jamie Eastman	Concept of regression Concept of adjustment – association Adjustment for age, association Concept of adjustment – rates Direct age adjustment
Lunch		
2:00-3:00 pm	Dr. Clareann Bunker	Concepts behind sample size calculation Simple sample size calculation
3:00-5:00 pm	Mr. B. Ranjeeth Kumar	Epi Info workshop <ul style="list-style-type: none"> <li>  Regression</li> <li>  Adjustment for age</li> </ul>
5-5:45 pm	Dr. Clareann Bunker	Elements of a consent form
6:00 pm	Tea & snacks Group projects	Complete daily evaluation Sample size calculation
8:30pm	Dinner	Prepare group presentation for Wednesday
Wednesday March 7th, 2012		
7:30-8:30 am	Breakfast	
8:45-9:00 am	Recap	
9:00-11:30 am	Dr. Jammy Guru Rajesh Mr. B. Ranjeeth Kumar	Excel workshop Graphs and tables
11:30 am	Group 1	Project presentation*
12:15 pm	Group 2	Project presentation*
Lunch break		
2:00 pm	Group 3	Project presentation*
2:45 pm	Group 4	Project presentation*
3:30 pm	Group 5	Project presentation*
4:15 pm	Tea & snacks	Complete daily evaluation; Complete course evaluation
4:30 pm		Award certificates of course participation
5:00 pm		Farewell

The Second Fogarty International Course on Research Methods in Chronic Non-Communicable Disease Research was held from 2-6 March, 2013. During this year, the curriculum and student projects were focused on providing the knowledge and skills to prepare a three page ICMR concept grant application. 32 faculty members participated in this training.



## 2ND FOGARTY PROGRAM DETAILS 2-6th, March, 2013

Saturday March 2nd , 2013		Presenter
8:00	Welcome	Dr. P.S. Reddy
8:30	What to expect	Dr. Clareann Bunker
9:00	Hypothesis formulation	Dr. Prakash Shrivastava
9:30	Hypothesis formulation	Dr. Prakash Shrivastava
10:00	Tea	
10:30	Study Design Overview	Dr. Enakshi Ganguly- MIMS Faculty Fogarty trainee
11:00	Planning a cross-sectional study	Dr. Pawan K. Sharma- MIMS Faculty Fogarty trainee
11:30	Planning a cross-sectional study	Dr. Pawan K. Sharma- MIMS Faculty Fogarty trainee
12:00	Case Control	Dr. Clareann Bunker
12:30	Nested case-control, random clinical trial	Dr. Clareann Bunker
13:00	Lunch	
14:00	Form project groups (3X5); home	Dr. Clareann Bunker
14:30	Work; ICMR concept paragraph	
15:00	Excel Data Management	Mr. B.Ranjeeth Kumar
15:30	Workshop	Mr. B.Ranjeeth Kumar
16:00	Workshop	Mr. B.Ranjeeth Kumar
16:30	Workshop	Mr. B.Ranjeeth Kumar
17:00	Tea & snack	
17:30	Homework discussion	Dr. Clareann Bunker
18:00	Endpoints & Exposures	Mrs. Jamie Eastman
18:30	Questionnaires	Mrs. Jamie Eastman
19:00	PubMed	Dr. Clareann Bunker
19:30	PubMed	Dr. Clareann Bunker
20:00	Close for Dinner	
Sunday March 3rd , 2013		Presenter
8:00	Diagnostic tests - spec, sens	Mr. Gurumurthy S. - MIMS Faculty Fogarty trainee
8:30	predict value, ROC curves	Dr. Padma Y - MIMS Faculty Fogarty trainee
9:00	Incremental Gain	Dr. V. Sapna - MIMS Faculty Fogarty trainee
9:30	Sources of bias	Dr. Aparna Varma - MIMS Faculty Fogarty trainee
10:00	Tea	

10:30	Data types	Dr. Rekha Y. - MIMS Faculty Fogarty trainee
11:00	Mean and measure of central tendency	Dr. Clareann Bunker
11:30	Standard Deviation	Dr. Govind Rao- MIMS Faculty Fogarty trainee
12:00	Normal curve	Dr. Enakshi Ganguly- MIMS Faculty Fogarty trainee
12:30	Standard error of mean, Confidence intervals	Dr. Mrudula S. - MIMS Faculty Fogarty trainee
13:00	Lunch	
14:00	Homework and ICMR grant	
14:30	Literature search, Justification,	
15:00	Hypotheses, Objectives,	
15:30	Expected outcomes, Benefits	
17:00	Tea & snacks	
17:30	Homework discussion	Biochemistry
18:00	Plagiarism	Dr. Clareann Bunker
18:30	Plagiarism	Dr. Clareann Bunker
19:00	SHARE Ethics Committee	Dr. P. Satyanarayana
19:30	SHARE Ethics Committee	Dr. P. Satyanarayana
20:00	Close for Dinner	
<b>Monday March 4th , 2013</b>		<b>Presenter</b>
8:00	t-test	Dr. Pawan K. Sharma - MIMS Faculty Fogarty trainee
8:30	alpha error, beta error	Dr. Pawan K. Sharma - MIMS Faculty Fogarty trainee
9:00	Sample size calculation	Dr. Clareann Bunker
9:30	Sample size calculation	Dr. Clareann Bunker
10:00	Tea	
10:30	Sample size calculation	Dr. Clareann Bunker
11:00	Proportions, Z test	Dr. Jammy Guru Rajesh - MIMS Faculty Fogarty trainee
11:30	2X2	Dr. Jammy Guru Rajesh - MIMS Faculty Fogarty trainee
12:00	chi square	Dr. Jammy Guru Rajesh - MIMS Faculty Fogarty trainee
12:30	OR, RR	Dr. Jammy Guru Rajesh - MIMS Faculty Fogarty trainee
13:00	Lunch	
14:00	Homework and ICMR grant	
14:30	Methodology including	
15:00	Population, Sampling	
15:30	Scheme, Recruitment	



16:00	Scheme, Data analysis	
17:00	Tea & snacks	
17:30	Homework discussion	Dr. Clareann Bunker
18:00	Data management	Dr. Clareann Bunker, Dr. P. S. Reddy
18:30	Data Cleaning	Dr. Clareann Bunker, Dr. P.S. Reddy
19:00	Study design example	Dr. D. Shailendra - MIMS Faculty Fogarty trainee
19:30	Study design example	Dr. D. Shailendra - MIMS Faculty Fogarty trainee
20:00	Close for Dinner	
Tuesday March 5th , 2013		Presenter
8:00	scatter plot	Mrs. Jamie Eastman
8:30	Pearson Correlation	Mrs. Jamie Eastman
9:00	Non-parametric - Spearman Cor	Mrs. Jamie Eastman
9:30	Simple linear regression	Mrs. Jamie Eastman
10:00	Tea	
10:30	Simple linear regression - age	Mrs. Jamie Eastman
11:00	Multiple regression	Mrs. Jamie Eastman
11:30	ANOVA	Mrs. Jamie Eastman
12:00	Non-parametric tests	Mrs. Jamie Eastman
12:30	Non-parametric tests	Mrs. Jamie Eastman
13:00	Lunch	
14:00	Homework and ICMR grant	
14:30	Sample size, Duration of study,	
15:00	Budget, Prepare presentation	
15:30	for Wednesday	
17:00	Tea & snacks	
17:30	Homework discussion	Mrs. Jamie Eastman
18:00	Bias, confounding, interaction	Dr. Clareann Bunker
18:30	Bias, confounding, interaction	Dr. Clareann Bunker
19:00	Everything you wanted to know...	Dr. Prakash Shrivastava
19:30	Everything you wanted to know...	Dr. Prakash Shrivastava
20:00	Close for Dinner	

The Third Fogarty training was conducted from 27-31 January, 2014 on manuscript preparation for publications. Faculty from GSPH, University of Pittsburgh, University of Southern California, Mahatma Gandhi Institute of Medical Sciences, Sevagram, Govt. Medical College, Aurangabad, KMC - Manipal, CCDC & Public Health Foundation of India and National Institute of Medical Statistics, New Delhi, were invited as resource persons for the training course. Manuscripts developed by MIMS faculty were discussed and critically reviewed during the training



The Third Fogarty Programme curriculum consisted of key concepts and overview of a Journal editor about how to structure title, introduction, methodology, results and discussions on the concept of IMRAD. The curriculum also consisted of some speakers giving a perspective about what readers generally expect, applying regression models, plagiarism, sampling and how to apply for research funding. 24 Faculty members attended the training.

## THIRD FOGARTY PROGRAM DETAILS JANUARY 27th – 31st, 2014

Time	Mon January 27th	Tue January 28th	Wed January 29th	Thu January 30th	Fri January 31st
07:00	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
08:00	Dr. PS Reddy/ Dr. Clareann Bunker	Dr. J.V. Dixit - What the Reader Expects	Dr. Pradeep Deshmukh -meta-analysis studies	Dr. N.R. Rau -TBD	Manuscript #7 Dr. Enakshi Ganguly
08:30	Dr. Raghupathy - Introduction	Manuscript #1 Dr. Govind Rao	Dr. Pradeep Deshmukh -meta-analysis software	Manuscript #4 Dr. Kalpana B.	
09:00	Manuscript #3 Dr. Sudha	Manuscript #4 Dr. Kalpana B.	Manuscript #6 Dr. Jammy Guru Rajesh	Manuscript #2 Dr. Shailendra D.	
10:30	Tea	Tea	Tea	Tea	Tea
11:00	Dr. J.V. Dixit - Title, abstract	Dr. Shailaja T. - Materials & Methods	Dr. Jotheeshwaran-Results	Dr. Abha Agarwal - Sample Size	Manuscript #3 Dr. Sudha Bala
12:30	Dr Prakash Shrivastava- Load, aim, shoot				
13:00	lunch	lunch	Lunch	lunch	Lunch
14:00	Dr. Raghupathy A.- Methods	Dr. Abha Agarwal - Sampling	Dr. Rau - TBD		Mr. Agarwal - Research funding
4:30			Manuscript #5 Dr. Pawan Kumar Sharma		
15:30	Tea	Tea	Tea	Tea	Tea
16:00	Dr. Rashmi Pant - Regression		Dr. Jotheeshwaran -Discussion section		
17:00	Tea, snacks, and Informal discussions				
20:00	Dinner	Dinner	Dinner	Dinner	



The Fourth Fogarty training was conducted from 2 – 7 February, 2015 and focused on reviewing final manuscripts which were ready to be published and also on grant writing. 29 Faculty members attended the training programme.





## 4TH FOGARTY PROGRAM FROM 2 – 7 FEBRUARY, 2015

Time	Monday February 2nd	Tuesday February 3rd	Wednesday February 4th	Thursday February 5th	Friday February 6th	Saturday February 7th
08:30		Dr. Padma Y.	Dr. Pawan K. Sharma	Dr. Enakshi Ganguly	Dr. Jammy Guru Rajesh	Writing Project Reports
09:00		Dr. Padma Y.	Dr. Pawan K. Sharma	Dr. Enakshi Ganguly	Dr. Jammy Guru Rajesh	Writing Project Reports
09:30		Dr. Jammy Guru Rajesh	Dr. Pawan K. Sharma	Dr. Enakshi Ganguly	Dr. Clareann Bunker	Writing Project Reports
10:00	Check-in to Leonia Resort	Tea	Tea	Tea	Tea	Tea
10:30		Dr. Jammy Guru Rajesh	Dr. Jammy Guru Rajesh	Dr. Enakshi Ganguly	Dr. Enakshi Ganguly	Class Project Presentations
11:00		Dr. Jammy Guru Rajesh	Dr. Jammy Guru Rajesh	Dr. Jammy Guru Rajesh	Dr. Enakshi Ganguly	
11:30		Dr. Kalpana B.	Dr. Shailendra D.	Dr. Jammy Guru Rajesh	Dr. Prakash Shrivastava	
12:00		Dr. Kalpana B.	Dr. Shailendra D.	Dr. P.S. Reddy	Dr. Prakash Shrivastava	Certificate Ceremony
12:30	Lunch	Lunch	Lunch	Lunch	Lunch	lunch
13:30		Dr. Aparna Varma	Dr. Shailendra D.	Dr. P.S. Reddy	Projects	Depart
14:00	Drs. P.S.Reddy/ Clareann Bunker	Dr. Aparna Varma	Dr. Clareann Bunker	Dr. P.S. Reddy	Projects	
14:30	Dr. Jammy Guru Rajesh	Dr. Aparna Varma	Dr. Clareann Bunker	Projects	Projects	
15:00	Tea	Tea	Tea	Tea	Tea	
15:30	Dr. Jammy Guru Rajesh	Dr. D. Shailendra	Projects	Projects	Projects	
16:00	Dr. Jammy Guru Rajesh	Dr. D. Shailendra	Projects	Projects	Projects	
16:30	Dr. V. Sapna	Projects	Projects	Projects	Projects	
17:00	Tea & snack	Tea & snacks	Tea & snacks	Tea & snacks	Tea & snacks	
17:30	Dr. Jammy Guru Rajesh	Projects	Projects	Projects	Projects	
18:00	Dr. Jammy Guru Rajesh	Projects	Projects	Projects	Projects	
18:30	Keynote-Dr. P.Deshmukh	Keynote - Dr. Jane Cauley	Keynote - Dr. K. Balasubramanian	Keynote - Dr. J.V. Dixit	Keynote – Dr. Rashmi Pant	
19:00	Keynote-Dr.P.Deshmukh	Keynote - Dr. Jane Cauley	Keynote - Dr. K. Balasubramanian	Keynote - Dr. J.V. Dixit	Keynote – Dr. Rashmi Pant	
19:30	Close for Dinner	Close for Dinner	Close for Dinner	Close for Dinner	Close for Dinner	

## MIMS faculty trained at Johns Hopkins University, Baltimore and University of Pittsburgh, PA, USA.

Faculty from MediCiti Institute of Medical Sciences (MIMS) under Fogarty training program attended the training on Epidemiology & Biostatistics at Graduate School of Public Health, University of Pittsburgh, PA, USA and Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland, USA.

Year 2012-13	Year 2013-14	Year 2014-15
Dr. Aparna Varma, Professor & Head, Department of Biochemistry, MIMS.	Dr. Aparna Varma, Professor & Head, Department of Biochemistry, MIMS.	Dr. Padma Yalmati, Associate Professor, Department of Biochemistry, MIMS.
Dr. Pawan Kumar Sharma, Assistant Professor, Department of Community Medicine, MIMS.	Dr. Guru Murthy Sastry, Tutor, Department of Biochemistry, MIMS.	Dr. Kalpana Betha, Professor & Head, Department of Obstetrics and Gynecology, MIMS.
Dr. Enakshi Ganguly Sharma, Assistant Professor, Department of Community Medicine, MIMS.	Dr. Jammy Guru Rajesh, Tutor, Department of Community Medicine, MIMS.	Dr. Jammy Guru Rajesh, Tutor, Department of Community Medicine, MIMS.
		Mr. Nitin C. Desai, Administrator Projects, SHARE INDIA: Training on Research Grant Administration at University of Pittsburgh.

## PUBLICATIONS

SHARE INDIA has to its credit publications in national and international journals of repute which are peer reviewed and acclaimed academically. The publications are listed below:

1. [2005](#)  
Sowjanya AP, Jain M, Poli UR, Padma S, Das M, Shah KV, Rao BN, Devi RR, Gravitt PE, Ramakrishna G. Prevalence and Distribution of High-Risk Human Papillomavirus (HPV) Types In Invasive Squamous Cell Carcinoma of the Cervix and in Normal Women in Andhra Pradesh, India. BMC Infect Dis. 2005; 5:116.
2. [2007](#)  
J. A. Schneider, G. S. Saluja, G. Oruganti, S. Dass, J. Tolentino, E. O. Laumann, V. Yeldandi, D. Pitrak - HIV Infection Dynamics In Rural Andhra Pradesh South India: A Sexual-Network Analysis Exploratory Study, AIDS Care, October, 2007, 19:9, 1171 – 1176
3. [2008](#)  
J A Schneider, A Dude, M Dinaker, V Kumar, E O Laumann, A Holloway-Beth, G Oruganti, G S Saluja, V Chundi, V Yeldandi, K H Mayer - General Hygiene, Sexual Risk Behaviour and HIV Prevalence In Truck Drivers from Andhra Pradesh, South India: Implications For Prevention Interventions International Journal of STD & AIDS 2008, Volume-20; 00: 1–7.
4. Sudha Sivaram, Gurcharan Singh Saluja, Manik Das, P. Sudhakar Reddy and Vijay Yeldandi - Reasons for Seeking HIV-test: Evidence from a Private Hospital in Rural Andhra Pradesh, India, J HEALTH POPUL NUTR Dec-2008; Volume 26(4): 431-441 ISSN 1606-0997.
5. [2009](#)  
J A Schneider MD MPH, A Dude PhD, M Dinaker MD, V Kumar MBBS, E O Laumann PhD, A Holloway-Beth MS, G Oruganti MD, G S Saluja MBBS, V Chundi MD, V Yeldandi MD, and K H Mayer MD, - General Hygiene, Sexual Risk Behaviour And HIV Prevalence In Truck Drivers From Andhra Pradesh, South India: Implications For Prevention Interventions, International Journal of STD & AIDS Volume 20(1) January 2009, 39-45, PMID: 19103892.
6. Tatineni A., Vijayaraghavan K., Reddy P.S., Narendranath B, and Reddy R.P., Health Metrics Improve Childhood Immunization Coverage in A Rural Population of Andhra Pradesh. Indian Journal of Public Health, 2009, 53:41;43.
7. Annie Dude, Ganesh Oruganti, Vinod Kumar, Kenneth H. Mayer, Vijay Yeldandi, John A. Schneider – HIV Infection, Genital Symptoms and Sexual Risk Behaviour among Indian Truck Drivers from a Large Transportation Company in South India, Journal of Global Infectious Diseases, January – June, 2009 / Vol-1 / Issue-1Doi:10.4103/0974-777X.52977.
8. Sowjanya AP, Paul P, Vedantham H, Ramakrishna G, Vidyadhari D, Vijayaraghavan K, Lakshmi S, Sudula M., Ronnett BM, Das M., Shah KV, Gravitt PE for the Community Access to Cervical Health Study Group. Suitability of Self-Collected Vaginal Samples for Cervical Cancer Screening in Peri urban Villages in Andhra Pradesh, India. Cancer Epidemiol Biomarkers Prev. 2009;18(5):1373-8.
9. [2010](#)  
Piyathilake CJ, Badiga S, Paul P., Vijayaraghavan K., Vedantham H, Sudula M., Sowjanya P, Ramakrishna G, Shah KV, Partridge EE, Gravitt PE, Indian Women with Higher Serum Concentrations of Folate and Vitamin-B<sub>12</sub> are Significantly less likely to be Infected with Carcinogenic or High Risk (HR) Types of Human Papillomaviruses (HPVs). International J Women's Health 2010: 2:7-12.
10. Vedantham H, Silver MI, Kalpana B, Rekha C, Karuna BP, Vidyadhari K, Mrudula S, Ronnett BM, Vijayaraghavan K, Ramakrishna G, Sowjanya P, Laxmi S, Shah KV, Gravitt PE; CATCH Study Team. Determinants of VIA (Visual Inspection of the Cervix after Acetic Acid Application) Positivity in Cervical Cancer Screening of Women in a Peri-Urban Area in Andhra Pradesh, India. Cancer Epidemiol Biomarkers Prev. 2010; 19(5): 1373-80.

11. John A. Schneider, Rakhi Dandona, Shravani Pasupneti, Vemu Lakshmi, Chuanhong Liao, Vijay Yeldandi, Kenneth H. Mayer - Initial Commitment to Pre-Exposure Prophylaxis and Circumcision for HIV Prevention amongst Indian Truck Drivers PLoS ONE 2010 Jul 30; 5(7): e11922. PMC 20689602.
12. Gravitt PE, Paul P, Katki H, Vedantham H, Ramakrishna G, Sudula M, Kalpana B, Ronnett BM, Vijayaraghavan K, Shah KV. Effectiveness of VIA, Pap and HPV DNA Testing in a Cervical Cancer Screening Program in a Peri urban Community in Andhra Pradesh, India. PLoS ONE, 6-11-2010; 10-PONE-RA-19715.
13. [2011](#)  
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