

# National Institute of Medical Statistics

## Annual Report





2011-12




## **Contents**

- 1. Training workshop organized**
- 2. Scientific Programmes**
- 3. Scientific meetings and lectures**
- 4. Statistical Consultancy**
- 5. Publications**
- 6. Major achievement during the year 2010-11**
- 7. Awards**
- 8. Foreign Visits**
- 9. Other activities of the Institute**

## 1. Training/Workshops Organized

Date	Training/Workshop Organized
<p>21<sup>st</sup> July 2011</p>  <p>PGI, Chandigarh</p>	<p><b>Dissemination workshops of CTRI</b> were organized at PGI Chandigarh SGPGI, Lucknow SCTIMST, Trivandrum IIC, Lodhi complex, New Delhi with the objective</p> <ol style="list-style-type: none"> <li>1. To increase the awareness about the CTRI and to disseminate the information among the clinical researchers from various parts of India regarding registry of clinical trials being conducted in India.</li> <li>2. To impart training to participants for the registration process of clinical trials in the CTRI website for smooth registration of their trials.</li> </ol> <p>The various participants were Faculty, MD students, clinicians, researchers, EC members from various Medical Colleges for the above three( s.no.1-3) workshops while in workshop at S.NO.4 was organized for members of the ethics committees and Chaiman of EC from various Institutional Ethics committees and independent Ethics Committee in addition to Faculty and MD students.</p> <p>Total Participant 375, Sponsors – WHO, DST</p>
<p>19<sup>th</sup> August 2011</p>  <p>Panel Discussion at SGPGI, Lucknow</p>	
<p>28<sup>th</sup> August 2011</p>  <p>SCTIMS&amp;T at Trivandrum</p>	
<p>26<sup>th</sup>September 2011</p>  <p>Lodhi Comlex, New Delhi</p>	

<p>6-10 June, 2011</p> 	<p><b>Clinical Trial and Statistical Computing</b></p> <p>Sponsorship: Department of Health Research, Ministry of Health and Family Welfare, Government of India, and Indian Council of Medical Research, New Delhi.</p>
<p><b>Objective and Subject Coverage:</b></p> <ul style="list-style-type: none"> <li>To provide training to the medical researchers/scientists to acquire good understanding of Statistical methodology used in clinical trials designing and application of analytical tools being used for analysis and interpretation of data.</li> <li>The subject covered during the training on clinical trial was Introduction, types of design, Method of randomization, Determination of sample size, Ethics, Protocol design, Management of clinical trial study, Survival analysis Clinical Trial Registry, Rates, Ratios and use of Weights, and Statistical computation by using SPSS software.</li> </ul> <p>The participants attended the training were mainly the researchers from RMRIMS, JIPMER and local medical colleges/Institutes of Bihar. Resource persons engaged to deliver talk on various topics during the workshops were three from NIMS, New Delhi; Two from RMRIMS, Patna; and one from outside (Ex-Director, IIPS, Mumbai). This was the first workshop organized by NIMS in Bihar on a specialized bio-statistical research area.</p> <p>No. Of Participants: 24 (Twenty four)</p>	
<p>Summer Training for Postgraduate Students of Statistics/Biostatistics Duration: May – June, 2011</p> <p><b>Objective:</b></p> <ul style="list-style-type: none"> <li>It is to provide Job training to the Postgraduate students to acquire good understanding of Statistical work carried out in the Institute and provide practical training on statistical methodology and its application.</li> <li>The students are also guided by the scientists to work on secondary data and prepare a small project report as a process of learning. They were also trained to use statistical software for data analysis.</li> </ul> <p>No. of PG students: 2 from IIT, Kanpur, 4 from Delhi University, Delhi and 5 from BHU, Varanasi (total 11 students)</p>	

<p>June 21-23 2011</p>	<p><b>Training on Statistics in Medicine</b> was organized at Safdarjung Hospital with the objectives</p> <ol style="list-style-type: none"> <li>1. To impart training to participants for the Design &amp; conduct of clinical trials, Sample Size Determination and Analysis of data using statistical software <b>SPSS</b></li> </ol> <p>A total of 27 participants including 22 MD students and 5 faculty members of Obse and Gynae department of Safdarjung hospital attended the training course.</p>
<p>Feb 8, 2012</p>	<p>National Dissemination of HIV Estimations 2010 was done at Auditorium, PGIMER, Dr. RML Hospital, New Delhi organized by NIMS, ICMR and NACO, new Delhi</p>
<p>Feb 23, 2012</p>	<p>Dissemination of HIV Estimations 2010 for Southern States, organized by NIMS, ICMR at NACO, new Delhi</p>
<p>May-June 2012</p>	<p>Summer training programs was organized for the post-graduate students in Statistics/Biostatistics of various universities such as Banaras Hindu University, University of Delhi and IIT etc.</p>
<p>The Institute served as faculty for the various programs on Research Methodology being conducted by Department of Health Research and other departments such as NIHFWS, Central Statistical Organization, Department of AYUSH, NIPCCD etc.</p>	

## **2. Scientific Programmes**

### **(a) Completed Studies**

#### **C1 Endline evaluation of home base management of young infants in five states of India.**

Date of initiation:

Date of completion:

Funding Agency: ICMR

#### **Background and objectives**

ICMR carried out a Community-based study on Home Based Management of Young Infants (0-60 days). This study aimed at demonstrating impact of home-based interventions delivered by village level workers in reducing neonatal and infant mortality rates in 5 states. It was a three arm study, intervention Arm 1 (Shishu Rakshak), Intervention Arm 2 (AWW), Control Arm.

The project was carried out in five districts namely Barabanki (Uttar Pradesh), Cuttack (Orissa), Patna (Bihar), Rajsamand (Rajasthan), and Yavatmal (Maharashtra) located in the north, north east, central and western parts of India respectively. The study was implemented by non-governmental organizations at two sites (Rajsamand and Cuttack); the rest three sites were governmental sites.

#### **Outcome measures and sample size**

Primary outcome measures were neonatal mortality rate (deaths 0-27 days/ 1000 live births) (NMR) and young infant mortality rate (deaths 0-59 days/ 1000 live births) (YIMR). Secondary outcome measures were early neonatal mortality rate (neonatal deaths under 0-6 days/ 1000 live births) (ENMR), late neonatal mortality rate (deaths 7-27 days/ 1000 live births) (LNMR), infant mortality rate (deaths 0-364 days/ 1000 live births) (IMR), still birth rate (SBR) and peri-natal mortality rate.

#### **Outcome assessment**

The outcome assessments were done at midterm in 2008 and at end-line in 2010 by conducting cross sectional surveys following comparable methods and tools as in baseline with complete enumeration of households in the clusters/PHCs. In the endline information were collected on births & deaths and other key demographic indicators. Inclusion criterion was all births in the

village, or outside whose mother returned within 2 months of the date of delivery of each cluster/PHC. Analysis was done on intention to treat basis on pooled data from five centers with cluster adjustments as per approved plan of analysis. During end-line survey information was collected for reference period covering two years (Holi 2008 - Holi 2010) which corresponded to one year when active intervention was ongoing and the year with no active intervention. The present report pertains to outcome assessment at end-line (2008-10).

The evaluation of the intervention at endline was independent of the study implementation. Standard procedures were established. Names of PHC, villages and data collection tool were provided by the ICMR to the organization/ institute conducting the survey. There was one supervisor for every 5-6 field workers. Quality control measures included validation of data by filling separate set of forms by supervisors. In addition to agency's quality assurance activities by the survey team / supervisors, observation of interviews, validation of births and deaths on a sample basis were also carried by independent experts. Each household was given a unique identification number. The survey ensured a 5% sample check of all households' data through back checks, spot checks and re-interviews.

The end-line survey gathered information for preceding two years, viz. for the period 2008-10 (Holi festival in March 2008 – Holi festival in March 2010). Data were separately analyzed for 2008-09 and 2009-10 to gauge the impact at the 'peak' of intervention phase for the former, and the post-study residual effect of the intervention for the latter.

Accordingly, estimation of outcome measures (early neonatal, late neonatal, neonatal, post neonatal, young infant and infant mortality) was made in the form of proportions of live births experiencing mortality for two reference periods (Holi 2008 - Holi 2009 and Holi 2009 – Holi 2010) by arm. The cluster adjusted proportions were estimated arm wise. The co variates considered at the individual level were caste, education, place of delivery, ANC and at cluster (village ) level were access to PHC, access to CHC, distance to district hospital (<25 km.), presence of private clinic, ASHA and JSY.

**Study area**

State	District	Control PHCs	AWW PHCs	SR PHCs
Bihar	Patna	Sampatchak	Salimpur	Daniawan
		Sabalpur	Bir	Sherpur
Maharashtra	Yeotmal	Wadhona Bazar	Dahegaon	Dhanora
		Sawargaon	Mardi	Waradh
Orissa	Cuttak	Rameshwar	Gurudijhatia	Khuntuni
		Tentol	Berhampur	Bhadreshwar
Rajasthan	Rajsamand	Sisoda	Delwara	Kelwa
		Sakroda	Kunwaria	Kurag
UP	Barabanki	Tindola	Udhauli	Dahilla
		Dadra	Badgaon	Mittai

**Objectives**

- To document changes in main outcome measures Neonatal, Infant mortality and Changes in newborn care practices.
- National Institute of Medical Statistics (NIMS) was asked to undertake end line survey in collaboration with the Project Investigators (PIs).

The task of endline survey has been accomplished successfully and the data and the analysis has been handed over to ICMR for preparation of final report of the study.

**C2. Undernutrition in Children Below Two Years in India --An Analysis of Determinants – India and Uttar Pradesh**

Date of initiation : April 2009

Date of completion : Dec 2011

Funding Agency: Intramural

The study was undertaken by the National Institute of Medical Statistics (NIMS) in collaboration with the Public Health Nutrition and Development Centre (PHNDC) with the following objectives:

- To estimate the prevalence of undernutrition (underweight, stunting and wasting) in children below two years in the state of Uttar Pradesh (UP) in 1998-99 and 2005-6, using



the WHO new standards, and study the trend in prevalence of undernutrition in the decade. Compare nutritional status of children in UP with all India scenario.

- To study the significance of association of underweight and stunting in children below 2 years with various factors such as availability of health and nutrition services to mothers and young children, birth-weight, mothers status (education, social including marriage and domestic violence, health and nutritional status), status of household sanitation and safe water etc.
- To undertake a regression analysis of factors contributing significantly to undernutrition and identify the highest risk loading factors contributing to undernutrition in children below two years.

### **Results and Findings of the study**

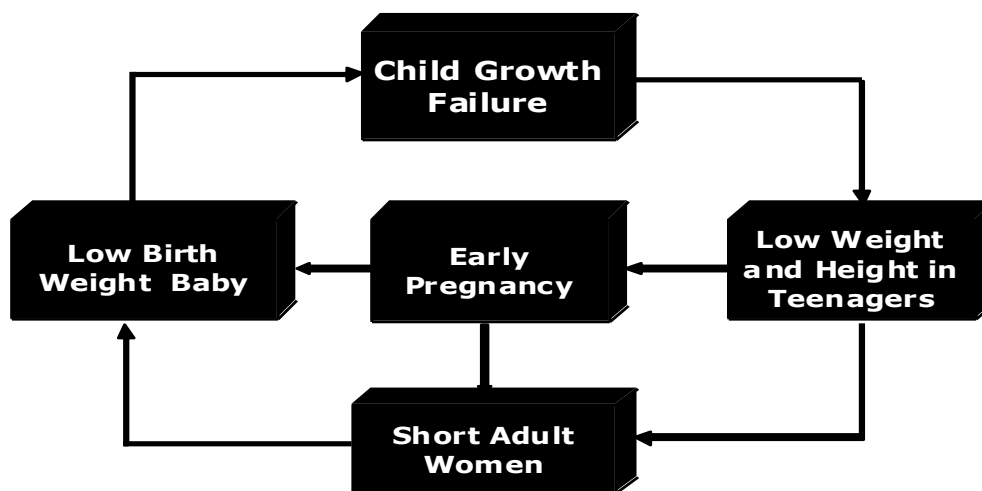
The findings of this study clearly indicates that interventions for preventing undernutrition in children should accord highest priority to under twos i.e. focus on pregnant women and the first two years of life or the first 1000 days of life. Moreover, care of women must start prior to onset of pregnancy and though out the life cycle to ensure girls attain their optimum growth. This implies not only nutrition care of adolescent girls but also actions for discouraging conception below 20 years should be prevented.

It is important to address the immediate causative factors of undernutrition and intensify interventions such as breastfeeding and complementary feeding of children and , prevention of infections. Timely introduction of semi-solid food along with continuation of breastfeeding at 6 months, is essential for influencing the nutritional status of children. Urgent actions are required to ensure mothers start breastfeeding a newborn within an hour of birth and exclusively feed only breast milk to the infant upto 6 months of age. Introduction of water in the first six months to an exclusively breastfed child needs to be discouraged and active effort needs to be directed to explain that the water content of breast milk is adequate .Moreover, a mother needs to know the association unsafe water fed to a child results in higher frequency of diarrhoea and such episodes of diarrhoea has serious implications on loss of nutrients, reduction of immunity and precipitation of undernutrition. Additionally, implications of personal hygiene such as washing hands with soap and water after defecation and prior to feeding need to promoted along with efforts to promote appropriate young child feeding, prevention and management of diarrhoea and complete routine immunisation (RI) and vitamin A supplement for reducing prevalence of undernutrition in young children.

Low status of women in India is observed to be one of the primary causes which adversely influence birth weight as well as nutrition and health status of children. The findings of the study highlight the statistically significant association of undernutrition in children with low birth weight and factors which influence the health, nutrition and social status of women. Investment in improving health and nutritional status of women prior to onset of pregnancy and during pregnancy is critical. Women's decision making ability and being free from emotional violence are critical for appropriate health and supporting environment for care of family and children for preventing undernutrition. Empowered educated women, who have control over their incomes, are more likely to invest in food, nutrition, health and education of needs of their children.

Introduction of interventions to improve economic situation of mothers and her decisive power in a family is therefore very important. Additionally, education of women and family members on health and nutrition need to be undertaken regularly through mass media. Similarly health-nutrition education of adolescent population in schools and out of school is critical for prevention of undernutrition..

There is therefore a need to focus on life cycle approach for improving nutritional status of young children (Fig I). In this context, delaying the age of marriage to over 18 years, delaying conception to over 20 years, care of women during pregnancy and prevention of low birth weight are critical. It is important that all newly married couples are registered and informed of measures to be taken at family level so that the women enter pregnancy healthy, nourished and non-anemic.



**Figure I: Intergenerational Cycle of Undernutrition<sup>1</sup>**

The success factors for reduction of child undernutrition therefore need to ensure that there are adequate and defined comprehensive policies which are not limited to mere provision of food supplements. There is an urgent need to change the mind-set of politicians and policy makers that food insecurity is not the only cause of undernutrition in children. It is important to address the immediate causes of undernutrition by ensuring over 90% coverage of evidence based direct interventions comprising promotion of appropriate behavioral practices of family regarding infant and child feeding, adoption of personal hygiene practices such as regular washing hands with soap and water, proper care and feeding of children during diarrhea/illness, complete routine immunisation, six monthly vitamin A supplements, administration, antenatal care during pregnancy including prevention of anemia and ensuring adequate weight gain during pregnancy as well as delaying the onset of pregnancy to over 20 years. Moreover, every pregnancy needs to be tracked for at least the first year of life of a child to ensure direct interventions reach each and every pregnant mother and infant. Additionally, increased focus to follow up and care of low birth weight newborns is critical. Such actions require highest priority to reach and regularly counsel

families having any of the following as family members---children below two years, pregnant women, newly married girls or a severely malnourished child.

The above referred direct actions are to a great extent being addressed under the Reproductive Child Health Programme of the National Rural Health Mission and Integrated Child Development Services (ICDS) services in the country. Contacts of health services with mothers and care givers during routine immunization of children and institutional delivery need to be optimally used for institutionalizing counseling of caregivers for adoption of appropriate infant and young child feeding practices and maternal nutritional care practices. It is well documented that focus on first 1000 days of life and over 90% coverage with the evidence based package of selected interventions stated above could reduce undernutrition by at least one-third in the developing country. 2,3,4) .

In addition to the above direct interventions, there is a need to address the underlying causes of undernutrition which are indirect actions and require long term investments such as improving women's education status and empowering women as well as ensuring food, health and nutrition security of women.

### **C3 Secondary Data Analysis to study the correlates of opium use among tribal community**

**Date of Initiation:** 2011

**Date of Completion:** 2012

**Funding Agency:** Intra-mural Source of Funding

**Data Source:** Substance Use Survey Data of Arunachal Pradesh

**Background:** Household survey data on substance use was analyzed to assess the prevalence of opium use in different tribes and examine its association with demographic and familial factors.

**Methods:** Data collected on opium use from 3421 individuals (1795 men and 1626 women) aged 15 years and above were analyzed using the multivariate logistic regression method to evaluate the correlates of opium use among the tribal community.

**Results:** Mean age of the respondents was 33.8 years (SD = 16.1). Gender difference in the prevalence of opium use was significantly higher (10.6% of male and 2.1% of female respondents). Prevalence of opium use varied with age groups, education levels, occupation, marital status and religion of respondents. Opium use was significantly higher among Singpho and Khamti tribes compared with others. Multivariate logistic regression analysis indicates that opium use had significant association with age, occupation, marital status and religion of male and female respondents. Multivariate rate ratios (MRR) was significantly higher for old age groups (35-54 and 55+ years), self-employed and employed respondents. MRR was also significantly higher for Buddhist, Indigenous and Hindu compared with Christian. Opium use among women was significantly higher in Singpho and Khamti tribes. It was also high among Buddhist and old age group women. Most of the woman opium users were taking opium for more than five years and introduced by their husband after marriage. Use of other substance among opium users was mainly tobacco (76%) and alcohol (44%).



Opium poppy field tended by a tribal woman, Arunachal Pradesh, India



Preparation of an opium pipe by a tribal man, Arunachal Pradesh, India.



Smoking an opium pipe by a tribal man. Arunachal Pradesh, India

**Source of Photographs:** <http://www.globalpost.com/photo-galleries>

**Conclusion:** The evaluation of study reveals the association of important factors such as religion and influence of male opium users on female partners which is useful for intervention measure.

**Achievements:**

The findings of the study has been communicated for publication in a high impact factor public health international Journal.



## **(b) Ongoing Studies**

### **O1 : Clinical Trial Registry-India**

Date of initiation: April 2006 till date

Funding Agency: DST & ICMR

**Background and objectives :** The Clinical Trials Registry – India (CTRI) is a web based system ([www.ctri.nic.in](http://www.ctri.nic.in)) for registering clinical trials in India and its neighboring countries which are not having their own registry. It was launched on 20<sup>th</sup> July 2007 by DG ICMR and is housed at National Institute of Medical Statistics, Indian Council of Medical Research. It was a landmark event in the medical history of India, as it was first of its kind in the country. It was established with the **objectives**

- To establish a search portal which will also serve as a public record system by registering all clinical trials on health products that are drugs, devices, vaccines, herbal drugs and made available to both public and healthcare professionals in an unbiased, scientific and timely manner.
- To create a more complete, authentic, and readily available data of all ongoing and completed clinical trials
- To provide a corrective system against “positive results bias” and “selective reporting” of research results to peer review publication.
- Increase awareness and accountability of all the participants of the clinical trials and also for public access.
- To promote training, assistance and advocacy for clinical trials by creating database and modules of study for various aspects of clinical trials and its registration

Since its launch, more than 2600 trials have been registered, and details of these trials are freely viewable in the public domain.

The CTRI is an online system for registration of all clinical trials being conducted in our country. It establishes, for the first time in India, an unbiased, scientific public record of clinical trials being conducted in the country which is freely available. It serves as a platform for registering all clinical trials on health products including drugs, devices, vaccines, herbal drugs etc. The registration of trials in CTRI is free of cost and crucial information of these registered clinical trials is freely searchable from the CTRI site. The information available in the CTRI database is a goldmine for all stakeholders including patients, social activists, parliamentarians, doctors and associated healthcare professionals, pharmaceutical industry, contract research organizations as well as healthcare policy makers.

### **Methodology**

A registry for clinical trials, Clinical Trials Registry –India (CTRI) is an online system for registering clinical trials conducted in our country. A web application was developed using open

source technology i.e. PHP and MYSQL on LINUX platform. Web application is hosted at National Informatics Center (LaxmiNagarDataCenter) and managed by National Institute of Medical Statistics. The Registry is in production since 2007, anybody who wishes to conduct a clinical trial in the country would have to declare all items of the CTRI Trial Registration Data Set. The Registry collects information on all prospective clinical trials to be undertaken in India and make this processed information available to the public.

Major functions of the CTRI:-

- De-duplication
- User friendly forms and representation of data.
- Audit trail
- Easily extraction of data
- Search Facility
- Trial Transfer
- Automatic mails to registrants

**Technical Progress :** *The software was modified and revised version of software was launched on 15<sup>th</sup> March 2011. During this year the software was tested and the issues arise while trial registration was corrected and implemented. The new features incorporated into the software are audit trail, improved searched facility, creation of PDF file, facility to upload the EC/ DCGI approvals etc.*

During the year, the Office of the Drugs Controller General (India), requested to assess the feasibility of making registration of Bioavailability/Bioequivalence (BA/BE) studies mandatory to enhance transparency and accountability of these studies. In this regard a proposal with budget was submitted to DCGI for registration of BA/BE trials in the CTRI along with the proposal of additional staff support to handle the extra workload.

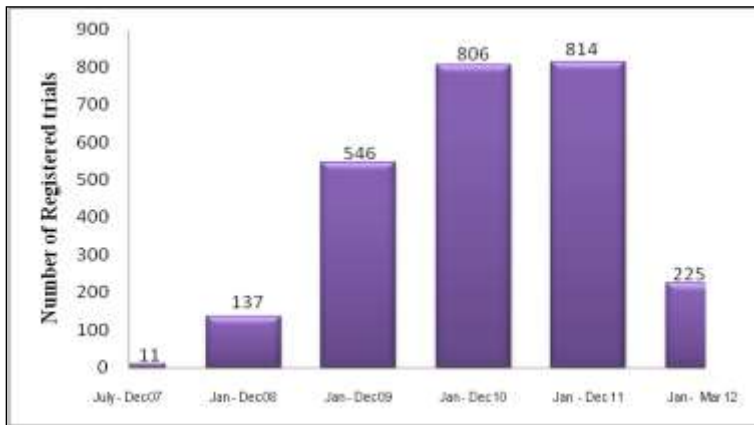
The additional requirements along with proposed budget were submitted to DCGI office. The proposal was approved by DCGI vide letter F No 4-01/2011-DC dated 26/09/11. The same has been approved by the Integrated Finance Division of the Ministry of Health and Family Welfare vide concurrence Dy. No. C-1355 dated 06/09/11 indicating that funds may be sanctioned from ICMR HQ. Further as per the requirement of ICMR EFC for CTRI along with the creation of new post has been submitted to ICMR for continuation of the registry intramural.

**Findings of the study:** More than 2650 trials have been registered since inception. During the period under report 883 trials have been registered. Registered trials includes prospective trials, retrospective trials, observation studies and those completed trials for which results have not been published in the past ten years. As the outcome of the dissemination workshops organized during the report period, the trial registration has increased by 58 percent as compared to the trials registered in the past. Of the registered trials 15 percent of the MD thesis have been registered by the MD student and thereby increasing the transparency and accountability in the clinical research. The comparative and salient findings are shown in Fig.1 to Fig.5

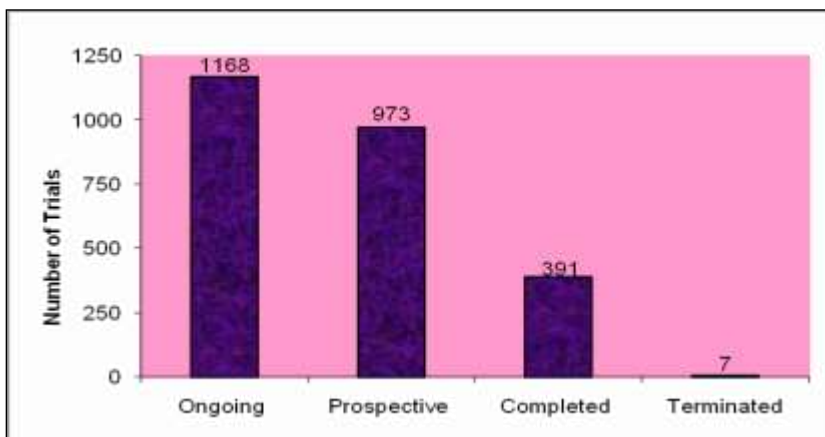
**Fig 1- CTRI: A Comparative status**

Current Status of CTRI	31 <sup>st</sup> March 2011	31 <sup>st</sup> March 2012	% Increase
Number of Hits	>1,45,000	>3,40,000	134
Number of Registered Users	3056	4172	37
Number of Trials Received	2253	3429	52
Number of Trials Registered	1654	2539	53
Number of Prospective Trials	562	973	73
Number of Ongoing Trials	836	1168	40
Number of Completed Trials	256	391	53
Number of Terminated Trials	0	7	100
Number of Trials Pending for Registration	152	231	52
Number of Trials Sent Back for Modifications	447	659	47

**Fig 2: Registration of trials till 31<sup>st</sup> March 2012**

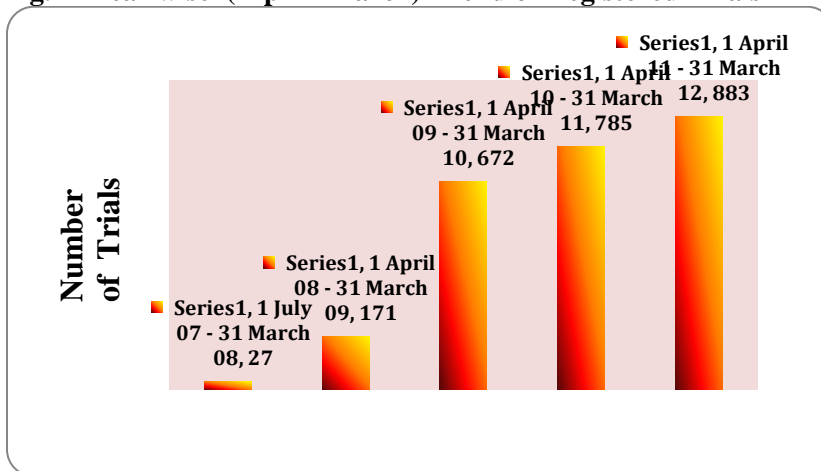


**Fig 3: Distribution of Registered Trials till 31st March 2012**

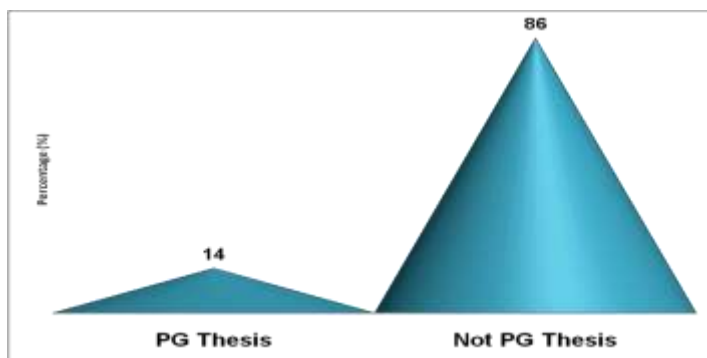




**Fig. 4 Year wise ( April- March) Trend of Registered Trials**



**Fig 5 PG Thesis registration (Percentage)**



**O2 : Estimation of maternal mortality ratio in Orissa and Rajasthan**

Study Funded : Task Force of ICMR  
 Study Sanctioned during 2010-2011.  
 Duration of study: 18 Months w.e.f 1<sup>st</sup> August 2010.

This study was approved and sanctioned under TaskForce of ICMR during 2010. The objectives of the study is to estimate maternal mortality ratio for Orissa and RajasthanState. A sample of 28 PHCs in Orissa state and 17 PHCs from Rajasthan state are to be covered under the study. Snowball sampling technique to be adopted for capturing the maternal deaths in the PHCs area. Funds for the study were received on 3<sup>rd</sup> August 2010.

**Progress of the Study:** The field work of the study in Rajasthan in four districts namely Bharatpur, Jaipur, Kota and Udaipur is completed. Field work in Jodhpur district is in progress. The field work in Puri, Sambalpur and Koraput of Orissa state is completed. The field work in urban area is in progress.

### **O3 : National Sample Survey for Assessment of Disease Burden of Leprosy**

Date of initiation : Jan 2010

Status : Completed for design purpose and Estimation part is in progress.

This study was designed at National level adopting inverse sampling to estimate the disease burden of leprosy at State level as well as at National level. Inverse sampling was validated by conducting the pilot study during the year 2009. Based on the findings of the pilot study, NIMS was responsible to design the study at National level. The study was designed during April 2011 and TOT was conducted for implementation of the study. NIMS was responsible for designing the study and developing the estimate of disease burden after the data collection work. The study was implemented for data collection by JALMA institute. During the year state wise estimate of leprosy burden was developed by NIMS. Currently the data is being cleaned by JALMA and based on the edited data estimates will be revised.

### **3. Scientific Meetings and Lectures**

#### **Delivered Lectures /Invited Talk**

<b>Date</b>	<b>Lecture/Talk</b>
<b>Dr. Arvind Pandey</b>	
April 16&17	Speaker in the course on the subject of "Preventive Cardiology" at National Heart Institute, East of Kailash, New Delhi.
May 17-18,2011	On the application of CTRI at the symposium on Ethics issues related to Sexual and Reproductive Health Research organized by ICMR & Deptt. Of gynecology & Obstetrics, AIIMS.
06-10 June, 2011	Trial Design, Phases of Clinical Trails', 'Randomization... in the Training Workshop on Clinical Trial and Statistical Computing at Rajendra Memorial Research Institute of Medical Sciences (RMRIMS), Patna.
August 26	Visit to Chennai for delivering the talk on AIDS Prevention and Control Project – Voluntary Health Services (APAC-VHS) AIDS Prevention and Control Project
Sept.1(10.45-1.15 PM)	Lecture on Survey on Social aspects (National Family Health survey, Survey on Prevalence of Harmful Drugs, Nutritional surveys, Educational Surveys etc. in the Training Programme on Training on Applied Statistics for the participants of Ethiopia at Ministry of Statistics & P.I., National Academy of Statistical Administration (NASA), Greater Noida, UP
Nov.22 (2.30 PM)	Lecture on CTRI at Apollo Hospital.

Dec. 6 (10.30 AM)	Lecture on “Epidemiological Transition in India” for Prof. Ramakumar Memorial Endowment Lecture at Senate Chamber, Univ. of Kerala, Trivandrum for delivering a lecture on.
Dec.21	Invitation from National Academy of Statistical Administration, Ministry of Statistics & Programme Implementation, NOIDA to deliver a lecture on “Collection of Health & Demographic Statistics and its Challenges” in the one week course on “Official Statistics” .
Dec.29,2011	On “Official Statistics” in the training course of National Academy of Statistical Administration(NASA) at Grated NOIDA.
Jan-March , 2012	Linear and non-linear models, Fractional Polynomials, Survival Analysis etc. as per assigned portion of syllabus of Pre-Ph.D. Course” for Pre-Ph.D. Course for Ph.D. students of Medical Statistics at National Institute of Medical Statistics, New Delhi
Jan. 10-12, 2011	Delivered plenary address at the Scientific Symposium & Meeting of medical journal editors and ethics committees on 11 <sup>th</sup> & Co-chaired the first plenary session at CMC, Vellore.
Feb.11	Make presentation on India HIV Estimates in the Annual Conference of IPHA, at Kochi.
Feb.17(5.15—6.00 PM)	International Conference on Cardiovascular Research Convergence jointly organized by AIIMS, International Academy of Cardiovascular Sciences(IACS), International Society for Heart Research(ISHR) & UK-India Education Research Initiative ( UKIERI).Chairing the Scientific Session:VII on Cardiovascular Research Methodology: A Primer at AIIMS, New Delhi.
Feb.18,2012	Resource Person in the seminar entitled “Biostatistics in Medicinal Research and Practice” at Chhatrapati Shahuji Maharaj Medical University Uttar Pradesh, Lucknow
Feb.21,2012	Panelist under the panel discussion entitled “Strategies for Family Planning going forward” in the ICMR International Conference on Reproductive Health with Emphasis on Strategies for Family Planning under the auspices of 22 <sup>nd</sup> Annual Meeting of Indian Society for the Study of Reproduction and Fertility (ISSRF)y at ICMR HQ.
Feb 25, 2011	A special session on CTRI was arranged at workshop on Advances in Pharmacology at Deptt of Pharmacology PGI Chandigarh, Dr Arvind Pandey was the guest of honour at the occasion. He presented overview of the CTRI to the participants. Dr. Atul Juneja presented the registration system, It was attended by more than 50 participants from different parts of the country.
March 1	Lecture at Rajiv Gandhi Hospital
March 2-4, 2012	Invited talk in the National Seminar on “New dimensions in Statistics: Concepts and Issues (NDSCI –2012)” at BHU, Varanasi.
March 15	National Seminar organized by IIPS on “ Demographic Transition and Inclusive Development at Kolkata, West Bengal”
<b>Dr. R.J.Yadav</b>	
May 25,2011	Delivered Lectures on “ <i>Collection of Health &amp; Demographic Statistics and its challenges</i> ” to the head of department of Statistics’ organized by CSO,MOSPI at NASA, GNOIDA.
Sept. 5, 2011	Delivered Lectures on “ <i>Concept of Monitoring and evaluation in Social developmental Programme</i> ” to the officials of NGOs of different states at NIPCED, Delhi.
Jan. 9, 2012	Delivered Lectures on “ <i>Concept of Monitoring and evaluation in Social developmental Programme</i> ” to the officials of different states at NIPCED, Delhi.
<b>Dr Abha Aggarwal</b>	
27 <sup>th</sup> July 2011	Delivered a lecture on Sample size determination and protocol writing to Faculty and Students of Bakson’s Medical College, Gr. NOIDA

9 <sup>th</sup> October 2011	Invited as resource person to deliver a lecture on “Sampling issues in Research Methodology” on Annual conference-cum-workshop on Research Methodology & Art of Scientific paper writing at MAMC, New Delhi
5 <sup>th</sup> -6 <sup>th</sup> November 2011	Invited as a Resource person to present “Clinical Trials Registry in India” at Ist FERCI National Conference on Research Ethics, Mumbai
15 <sup>th</sup> December 2011	Invited as resource Resource person to present CTRI in training workshop on Conduct of clinical Trials at Medanta Hospital , Gurgaon
19 <sup>th</sup> -20 <sup>th</sup> Jan 2012	Invited to present Snowball sampling during the seminar in the memory of Prof. B.N.Bhattacharya at Kolkata.
24 <sup>th</sup> February 2012	Invited as a Resource person to presentn “Clinical Trials Registry in India” at St. John’s National Academy of Health Sciences, Bangalore
<b>Dr. D.Sahu</b>	
June 6-10, 2011	Training workshop on Clinical Trail and Statistical Computing organized by NIMS, ICMR in collaboration with RMRI Patna
September 12-16, 2011	Workshop on Multivariate data Analysis Multiple regression and logistic regression model in SPSS environment at NIHFw in the training Course on Data Analysis using for health and Demographic Research organized by NIHFw, New Delhi
December 5-9, 2011	Mentor for the Scientific Writing Course: Training for Documentation of Programmatic Learning’s coordinated by the Population Council, Delhi and St. John’s Research Institute, Bengaluru at St. John’s Research Institute, Bengaluru.
<b>Dr. Atul Juneja</b>	
7 September 2011	Delivered talks on Sampling methods in health research for the different participants of NGO in a workshop conducted by NIPCCD
1 Dec 2011	Delivered lectures on Sample size and clinical trials at research program conducted by Apollo Health Research Foundation at Apollo hospital.
11 Jan 2012	Delivered talks on Sampling Methods in health research for the different participants of NGO in a workshop conducted by NIPCCD
19 January 2012	Delivered a talk on “Misuse of Statistical Methods” at a workshop on statistical computations conducted by ICPO,ICMR NOIDA
18 Feb 2012	Delivered a lecture on “Choosing the appropriate test of significance” at workshop on Research Methods conducted by CSM Medical College Lucknow.
25 Feb 2012	Delivered a talk on the registration System of Clinical Trials registry on Wokshop of Advances in Pharmacology conducted by Dept of Pharmacology PGI Chandigarh
<b>Dr. Tulsi Adhikari</b>	
June 21-23 2011	Delivered lectures to the MD students and faculty members of Obstetric and Gynae department of Safdarjung hospital on Types of studies and statistical analysis using statistical software.

### Scientific Conferences/ Seminars/ Workshops/Training attended

Date	Conference/Seminar/Workshop	Scientist attending
March 30-31, 2011	Universalisation of Secondary Education: Issues, Challenges and Policy Perspectives in Rural Context, NCERT New Delhi and presented paper “Scenario and Challenges in Universalisation of Secondary Education in Rural Areas of North-East India”	Kh. Jiten Kumar Singh
April 4-6, 2011	National Seminar on Development and Population Stabiization in EAG States of India, Jaipur, Rajasthan, organized by IIPS, Mumbai and presented 2 paper “Awareness about HIV/AIDS among unmarried women in EAG states, India” and “Education of Adolescents in the Empowered Action Group States”	Kh. Jiten kumar Singh
April 20, 2011	IBBA closing out meeting at Lavasa, Maharashtra Organized by NARI, ICMR, Pune	Dr. D Sahu

April 24-26, 2011	Visited HIV Sentinel Surveillance Sites in the allotted area of Eastern UP. (Varanasi)	Prof. Arvind Pandey
April 27-30, 2011	Survey visit for field work in Jaipur and Bharatpur in MMR-10.	Dr. Abha Aggarwal
2-5 May 2011	Statistical Workshop on the estimation of ARI of TB at NTI Bangalore	Dr. Atul Juneja
May 9-13, 2011	Regional Workshop for Training on HIV/AIDS Estimates and Projections at Bangkok, Thailand.	Prof. Arvind Pandey
22 May 2011	Presented "Burden of Non-communicable Diseases : Problems and prospects in India" in the National Seminar on Estimating Burden of Disease organized jointly by Indian Association for Productivity, Quality and Reliability and American College of Chest Physicians (East India Chapter) in collaboration with Vivekananda Institute of Medical Sciences at VIMS, Kolkata	Dr. H.K.Chaturvedi
June 29, 2011	Visited Chennai for attending the Second Scientific Workshop and guide the individuals for Research Paper Writing for the project of Knowledge Network Project of Population Council, New Delhi.	Prof. Arvind Pandey, Dr D. Sahu
11-15 July, 2011	Attended workshop on "Evaluating the Impact of Public Health Programmes in India" organized by NIE, Chennai	Dr. R. K. Gupta
July 14, 2011	Adolescent Education Program: Evaluation Meeting organized by UNICEF Delhi at NACO	Dr. D Sahu
July 25-26, 2011	National Conference on Universalisation of Secondary education: Prospects and Challenges with Special Reference to North-East India, North-Eastern Hill University, Tura Campus, Tura and presented 2 papers "Adolescent Pregnancies and Health Issues in Northeast, India: Some Educational Implications" and "Who Has Correct Information and Knowledge about HIV/AIDS among Adolescents in Northeastern States, India"	Kh. Jiten Kumar Singh
August 6-11, 2011	Attended International IEA World Congress of Epidemiology at Edinburgh, Scotland, UK on "Inverse sampling to study disease burden of leprosy"	
August 21-25, 2011	32 <sup>nd</sup> Annual Conference of International Society for Clinical Biostatistics (ISCB), at Ottawa Convention Center, Ottawa, CANADA during 21-25 August 2011, Presented papers.	Dr. R.J.Yadav, Dr. D. Sahu, Dr. Atul Juneja
Sept 5, 2011	Visiting NICED, Kolkata as a Central Team Member and involvement in the Estimation Process of HIV Sentinel Surveillance.	Prof. Arvind Pandey
Sept 5, 2011	Attended a Seminar on Cochran Systematic Review at IOP	Dr. RJ Yadav Dr. Abha Aggarwal Dr. RK Gupta DR. Anil Kumar
16-18 Sept 2011	NIH workshop on Meta analysis and systematic reviews at Taj Vivanta Lucknow	Dr. Atul Juneja
September 23-24, 2011	Invited as expert for the second expert committee meeting for P.G. Diploma in Population Studies on Open and Distance Learning (ODL) Mode in the School of Interdisciplinary and Trans-disciplinary Studies IGNOU at Convention Centre, IGNOU.	Dr. D Sahu
Sept. 26, 2011	Meeting on CTRI for Ethical committee members of Research/teaching Institute at IAC annex organized by NIMS, ICMR, New Delhi	Dr. Anil Kumar, Dr. D Sahu, Dr. Tulsi Adhikari

Sept. 28, 2011	Organised as member organizing committee NIMS Foundation Day Celebration at India Habitate Centre, Lodhi Road, New Delhi.	Dr. R.K.Gupta, Dr.Anil Kumar, Dr. D. Sahu, Dr. Tulsi Adhikari, Dr. Atul Juneja
October 14, 2011	Meeting of BMGF and its Grantee Institutes with NACO to discuss collaboration for undertaking HIV/AIDS epidemic and impact analysis in India at Imperial Hotel, Janpath, New Delhi organized by BMGF.	Dr. D Sahu
Oct, 17-21, 2011	Advanced Multilevel Modeling Workshop organized by CHA Univ. & Karnataka Health Promotion Trust (KHPT) at St. John's Research Institute at Bangalore.	Prof. Arvind Pandey Dr.H.K.Chaturvedi, Dr. D. Sahu, Dr. Tulsi Adhikari, Mr. Jiten Kumar Singh.
Nov.3-5	29 <sup>th</sup> Annual Conference of the Indian Society for Medical Statistics(ISMS) with Presidential address at TRC, Chennai	Prof. Arvind Pandey, Dr. R. J. Yadav, Dr. Abha Aggarwal, Dr. Atul Juneja, Mr. B.K.Gulati, Mr.S.Mathur, Mr. Jitender Yadav
Nov.11-13	XXXIII Annual Conference of Indian Association for Study of Population (IASP) at Sanjay Gandhi Post Graduate Institute of Medical Sciences (SGPGI), Lucknow. (Speaker in the Planetary Session on "Census of India 2011" speaks on Growth Dynamics"	Prof. Arvind Pandey
Nov. 11-12, 2011	Attended two day training programme on 'Intellectual Property and Innovation Management in Knowledge Era' organized at ISIL, V.K. Krishna Menon Marg, New Delhi by ICMR & NRDC, New Delhi.	Dr. R. K. Gupta, Dr. D.Sahu
Nov 16-18, 2011	Chaired technical session in the conference organized by Bangalore University.	Dr. R. J. yadav
Nov.22-24, 2011	Review Meeting-cum-continuing Education Programme for Monitoring & Evaluation Officers of State AIDS Control Societies at NIHFV, New Delhi.	Prof. Arvind Pandey
Nov.24	As an Panel of Experts in Education for the confidential work of evaluation of research project proposals at Indian Council of Social Science Research (ICSSR), New Delhi.	Prof. Arvind Pandey
November 24, 2011	Knowledge Network Project Consortium Meet, at Conference room, Population Council, India Habitat Centre, New Delhi	Dr. D Sahu
Nov. 24-26 2011	Ninth Conference of Indian Association for Social Sciences and Health held at Centre for Development Studies, Tata Institute of Social Sciences, Deonar, Mumbai. Paper entitled "Sexual Behaviour among Youth in India-Sex Differentials" presented.	Dr. R. K. Gupta
Nov. 28, 2011	Attended a workshop at FICCI organized by WHO on Clinical Research	Dr. Abha Aggarwal Dr.MohuaMaulik Ms. Jyostna Gupta
Nov.28-29, 2011	HIV Synthesis Consortium Impact Data-Driven Workshop in collaboration with the ISHTM team at the Golden Palms, Bangalore.	Prof. Arvind Pandey
November 28 – December 2, 2011	Data Driven Workshop HIV Synthesis Impact Consortium at Golden Palms Avenue, Hubli, Bangalore organized under CHARME-INDIA project, KHPT, Bangalore.	Dr. D.Sahu
Dec.14, 2011	Session on HSS 2010 & IBBS to review the progress in HSS, present the preliminary findings from HSS 2010 and discuss the road map for National IBBS which are in currently planning at NACO-	Prof. Arvind Pandey
15-16 <sup>th</sup>	Attended the Biostatistics workshops on Generalized Additive Models and	Dr. Chaturvedi

December & 22-23rd December 2011	Spatial analysis at TERI, Darbari Seth Block, India Habitat Centre, Lodhi Road, New Delhi	
December 19, 2011	Attended and participated in SAC at NIMS	All Scientist
Dec. 21, 2011	Seminar on Growth, Development and Empowerment of Women organized by Indian Science Congress Association at IIC, New Delhi	Dr. R. K. Gupta
January 12-17, 2012	Advanced training workshop on Propensity Score matching Methods, Goa, India Impact Evaluation of Avahan Programme	Dr. D. Sahu
Jan 19-20, 2012	Presented a paper” Evaluation of Adolescent friendly health centers” in a seminar in the memory of Prof. B.N.Bhattacharya at Indian Statistical Institute, Kolkata	Dr. R.J.Yadav
Jan. 22-27, 2012	Visited Sambhalpurand Puri, Orissa for monitoring of field work of MMR project.	Dr. Abha Aggarwal
Feb 2-3, 2012	Attended National Dissemination of HIV estimation at PGIMER RMLHospital	All NIMS Scientist.
February 3-4, 2012	Training workshop on Using Goals Model to Assess Impact of HIV Preventions in 3 states of India at IAVI Office, Delhi organized by IAVI, Delhi	Dr. D. Sahu
Feb 8, 2012	National Dissemination of HIV Estimations 2010 at Auditorium, PGIMER, Dr. RML Hospital, New Delhi organized by NIMS, ICMR and NACO, new Delhi	Dr. D Sahu
Feb.10-12, 2012	56 <sup>th</sup> Annual National Conference of Indian Public Health Association, “IPHACON 2012” at IMA House, Kochi, Kerala.	Prof.ArvindPandey
Feb 14, 2012	Presented a paper on “ Experience of Non-communicable Disease Risk Factors Survey in seven states of India” in the Stakeholders Workshop of Integrated Disease Surveillance Project (IDSP) at National Centre for Disease Control (NCDC), New Delhi	Dr. H. K. Chturvedi
February 17, 2012	Attended an International Conference on “Cardiovascular Research Convergence” at AIIMS	Prof. Arvind Pandey Dr. Abha Aggarwal
Feb 23, 2012	Dissemination of HIV Estimations 2010 for Southern States, organized by NIMS, ICMR at NACO, new Delhi	Dr. D Sahu
Feb.27-29,2012	39 <sup>th</sup> National Annual Conference of IAPSM on the theme “Epidemiological Transition: Are We up to the Challenge”at Dr. Rajendra Prasad Government Medical College, Tanda. (Dharmshala), Distt. Kangra (HP)	ArvindPandey, Dr. R. J. Yadav, Dr. ATul Juneja
1 March 2012	Discussion on Statistical issues for DNB students at Rajiv Gandhi Cancer Institute	Dr. Atul Juneja
March 6-9, 2012	Chaired technical session in the International Biometrics Conference organized by Pondicherry University.	Dr. R. J. yadav
March 15-17, 2012	Attended National Seminar on Demographic Transition and Inclusive Development held at ISI Kolkata organized by IIPS. Presented paper	Dr. R. K. Gupta, Dr. Anil Kumar

### Scientific Meetings attended

Date	Meeting	Scientist attending
<b>External meetings</b>		
April 1, 2011	Sub Committee Meeting of Technical Advisory Committee (TAC) of District Level Household Survey (DLHS) at NirmanBhavan, New Delhi.	Prof. Arvind Pandey
11 April 2011	Meeting on the data analysis issues for the study on Acceptance of Homoeopathy and satisfaction level at CCRH	Dr. Atul Juneja
April 11, 2011	Meeting of CadilaZydus Data Safety Monitoring Board at Ahmedabad.	Prof. Arvind Pandey
April 13, 2011	Chairman in the First meeting of the Expert Group to review the subject curriculum on “ Demography & Population Statistics ” of National Academy of Statistical Administration (NASA).	Prof. Arvind Pandey
April 15, 2011	Attended a meeting of experts for finalizing the protocol on Lymphatic filariasis (RCT) reg. in Central Council for Research in Homoeopathy, JanakPuri, New Delhi	Dr. Abha Aggarwal
April 19, 2011	As a Member in Meeting of Management and Systems Division-3 at Bureau of Indian Standards, Manak Bhawan, New Delhi.	Dr. R. J. yadav
26 <sup>th</sup> April, 2011	The Expert Group Meeting on ICMR Task Force Project on the Epidemiology of Anophthalmia and or Microphthalmia in Children aged 0-5 years in selected districts of Bihar’, 2011 at ICMR, New Delhi	Dr H. K. Chaturvedi
26 April 2011	Meeting of Translational research committee at NIMS	Dr. R.J.Yadav Dr. Tulsi Adhikari, Dr Atul Juneja
29 April 2011	Meeting of Analysis team of the study of Home based management of Young Infants	Dr. Arvind Pandey, Dr. R.K.Gupta, Dr. Anil Kumar, Dr. Tulsi Adhikari, Dr. Atul Juneja
April 29-30, 2011	Expert Committee Meeting for P.G. Diploma in Population Studies at Indira Gandhi National Open University (IGNOU), New Delhi.	Prof. Arvind Pandey
May 2, 2011	Meeting at National Academy of Statistical Administration (NASA) under the chairmanship of Prof. S.P. Mukherjee, Ex. Prof., Kolkata University.	Prof. Arvind Pandey
May 3, 2011	4 <sup>th</sup> Meeting of Technical Advisory Committee (TAC) of Tata Memorial Award at Population Foundation of India, New Delhi.	Prof. Arvind Pandey
May 4, 2011	Meeting of Home Based Management at ICMR.	Anil Kumar
May 6, 2011	Attended a NLEP meeting for SLOs on National Sample Survey 2010-2011 at MOHFW, NirmanBhawan, New Delhi	Dr. Abha Aggarwal
May 19, 2011	Meeting of the Steering Committee for Annual Health Survey under the Chairmanship of Special Secretary & Mission Director (NRHM) at NirmanBhawan, New Delhi.	Prof. Arvind Pandey
20 May 2011	Meeting on study on clinical trials for certain issues in Menopausal women at CCRH	Dr. Atul Juneja
May 21, 2011	Meeting of Expert Group on Development of Mathematical of module for Estimation of malaria deaths at Committee room of Directorate of NVBDCP, Sham NathMarg, Delhi.	Prof. Arvind Pandey
May 23, 2011	First Meeting of the Steering Committee for the District Level Household survey (DLHS)-4 at NirmanBhawan, New Delhi.	Prof. Arvind Pandey
May 23-24, 2011	Attended a meeting to finalization of protocol for the Randomized Controlled Trial on Benign Prostatic Hyperplasia, Autism and Schizophrenia in Central Council for Research in Homoeopathy, New Delhi	Dr. Abha Aggarwal
May 24, 2011	Meeting of the Steering Committee for Annual Health Survey at NirmanBhawan, New Delhi.	Prof. Arvind Pandey
May 29, 2011	Data Safety Monitoring Board Meeting at Cadila Healthcare Ltd., ZydusCadila House, Mumbai.	Prof. Arvind Pandey
May 30-31,	Attended a meeting to finalization of protocol for the Randomized	Dr. Abha Aggarwal



2011	Controlled Trial on Benign Prostatic Hyperplasia, Autism and Schizophrenia in Central Council for Research in Homoeopathy	
2-3 June 2011	Meeting of the data analysis team on the study of home based management of young infants at ICMR	Dr. Atul Juneja
June 9, 2011	Meeting of the Home Based Project at NIMS.	Anil Kumar
10 June 2011	Meeting on Clinical trials in cervical spondylitis	Dr. Atul Juneja
June 14, 2011	Meeting with DCGI to discuss BA/BE trials at NIMS	Prof. Arvind Pandey, Dr. Abha Aggarwal, Dr. Atul Juneja
June 16, 2011	Attended meeting on NSS with JS at NirmanBhawan,	DR. Abha Aggarwal
June 16, 2011	Final Meeting of Home Based Management of Young Infant Project, Chaired by Dr. Bhan	Anil Kumar
June 20, 2011	As a member of "Institutional Review Board" of National Institute of Public cooperation & Child development, New Delhi.	Dr. R. J. yadav
June 22, 2011	Meeting of anti Malaria Drug at Gurgaon.	Prof. Arvind Pandey
June 23, 2011	Meeting of Technical Group on Methodology for Assigning Causes of Death at NirmanBhawan, New Delhi.	Prof. Arvind Pandey
June 24, 2011	Meeting of expert for finalized the protocol on Breast cancer at committee room of central council of research in homoeopathy, New Delhi	Dr. Abha Aggarwal
June 27, 2011	Meeting with Prof. SundarRao on Medical Teaching through Web.	All Scientist of NIMS
June 28, 2011	Meeting with Addl. Secretary & DCGI at NirmanBhawan for BA/BE Trials.	Prof. Prof. Arvind Pandey, Dr. Abha Aggarwal
June 29, 2011	Meeting on presentation of NSS Estimates at ICMR	Dr. Abha Aggarwal
July 5, 2011	Attended meeting for validation of data analysis for CCRH projects on Asthma,& Breast Cancer	Dr. Abha Aggarwal
July 13, 2011	Joint Consultation meeting on WHO's Country Cooperation Strategy (CCS) with India at Committee Room, NirmanBhawan, New Delhi.	Prof. Arvind Pandey
July 14, 2011	Meeting for NSS findings with JS at NirmanBhawan	Dr. KiranKatoch, Dr. Abha Aggarwal
July 18, 2011	Meeting for finalized of protocols of Chikungunya, Dengue and Japans Encephalitis., CCRAH, New Delhi	Dr. Abha Aggarwal
July 18, 2011	Meeting of CSIR (for PA-824) under the Chairmanship of Prof. Ganguly for looking into the drafting of informed consent for writing draft protocol at AnusandhanBhawan, CSIR, New Delhi	Prof. Arvind Pandey
July 19, 2011	As a expert in the one day consultative meeting to finalize/decide the study protocol for estimation burden of select infectious diseases at National Central for Disease Control (NCDC), Delhi.	Prof. Arvind Pandey
July 19, 2011	Attended as a member selection committee at JALMA, Agra	Dr. Abha Aggarwal
July 22, 2011	Meeting of AEP Evaluation for finalizing Sampling framework, at UNICEF, New Delhi.	Prof. Arvind Pandey
July 28, 2011	Attended NSS meeting at ICMR for estimates of Leprosy	Prof. ArvindPandey, Dr. Abha Aggarwal
July 29, 2011	As a Chairman in the Second meeting of the Expert Group to review the subject curriculum on "Population & Health Statistics" at National Academy of Statistical administration, (NASA) Greater Noida.	ArvindPandey
July 30, 2011	Meeting of Selection Committee for the Project posts of Health Management Information System (HNIS) at Munirka, NIHFWS, New Delhi.	ArvindPandey
August 2-3, 2011	Attended a meeting for Endosalfan at NIMS	Prof. ArvindPandey, Dr. Abha Aggarwal
August 4, 2011	Meeting on Draft Methodology and Calculations of Malaria Mortality Estimates at NVBDCP, Sham NathMarg, New Delhi.	Prof. Arvind Pandey
August 17, 2011	Chairing the Selection Committee for the post of Monitoring and Evaluation Officer at Munirka, NACO Office, New Delhi.	Prof. Arvind Pandey
August 22,	Second Meeting of CadilaZydus Data Safety Monitoring Board at	Prof. Arvind Pandey

2011	Ahmedabad.	
24-26 <sup>th</sup> August, 2011	Attended Indo –US Partnership meeting on “Bio-monitoring of Environmental Residues” at Alibaugh near Mumbai.	Dr. H. K. Chaturvedi
Sept 6, 2011	As a Member in Meeting of Management and Systems Division-3 at Bureau of Indian Standards, Manak Bhawan, New Delhi.	Dr. R. J. yadav
Sept 6, 2011	As member, of Governing body of <i>Institute of Applied Statistics and Development Studies</i> , Lucknow at IASRI, New Delhi.	Dr. R. J. yadav
Sept.7, 2011	TRG Meeting at PFI Office, New Delhi.	Prof. Arvind Pandey
Sept.13-14, 2011	International Meeting to participate in the “The Evolving Clinical Trial Disclosure Landscape” at <b>Arlington, VA (USA)</b>	Prof. Arvind Pandey
16th Sept. 2011	'Independent Committee of Experts for review of recent estimations of TB Burden' at MOHFW, Nirman Bhawan, New Delhi	Dr. H. K. Chaturvedi
Sept.17, 2011	Meeting of the Members of the Executive Committee of the ISMMACS at IIT, Kanpur.	Prof. Arvind Pandey
Sept.19, 2011	Meeting of the Technical Group on Methodology for Assigning Causes of Death at NirmanBhawan, New Delhi.	Prof. Arvind Pandey
Sept.23-24, 2011	Second Expert Committee Meeting on Population Studies at IGNOU, New Delhi.	Prof. Arvind Pandey
Sept. 28, 2011	Organised as member organizing committee NIMS Foundation Day Celebration at India Habitate Centre, Lodhi Road, New Delhi.	Dr. Anil Kumar
Sept.29, 2011	As an Expert Member in the Meeting of Assessment Board to assess the suitability of Medical Doctors & Non-Medical Scientists of the CCRAS at CCRAS, Janakpuri.	Prof. Arvind Pandey
October 8, 2011	13 <sup>th</sup> IEC Meeting at Future Group International India Pvt. Ltd., Gurgaon.	Prof. Arvind Pandey
October 13, 2011	Meeting of NSS with JS at NirmanBhawan	Dr. Abha Aggarwal
October 14, 2011	Curriculum Review Committee Meeting at IIPS, Mumbai.	Prof. Arvind Pandey
Nov.1, 2011	TRG Meeting at Population Foundation of India.	Prof. Arvind Pandey
November 8, 2011	Attended Annual Day of ICMR	All NIMS Scientist
Nov. 11, 2011	Attended a meeting on Malaria at NIMS	All Scientist, NIMS
Nov. 15, 2011	Attended Award function of ICMR	All Scientist, NIMS
Nov.15, 2011	ICMR Centenary Events i.e. Centenary Symposium, Currency Coin Release Function, Release of Centenary documents at NASC PUSA.	Dr. Anil Kumar
Nov.18, 2011	As an Expert on the Faculty Evaluation Meeting of Institute for Social and Economic Change (ISEC) at Bangalore.	Prof. Arvind Pandey
22 <sup>nd</sup> November 2011	Meeting of the Task Force on Rickettsial Diseases in the Hilly Regions held on 22 <sup>nd</sup> November 2011 at Indian Council of Medical Research, New Delhi	Dr. H. K. Chaturvedi
Nov.22-24, 2011	Review Meeting-cum-continuing Education Programme for Monitoring & Evaluation Officers of State AIDS Control Societies at NIHF, New Delhi.	Prof. Arvind Pandey
Nov.25, 2011	Meeting of the Institutional Ethics Committee at Institute of Human Behaviour & Allied Sciences (IHBAS), New Delhi.	Prof. Arvind Pandey
November 26, 2011	Attended a meeting in NVBDCP for Brainstorming session baseline information on Kala azar	Prof. Arvind Pandey & Dr. Abha Aggarwal
Nov.26, 2011	Meeting of Brainstorming Session on Kala Azar at National Vector Borne disease Control at Sham Nath Marg, Delhi.	Prof Arvind Pandey
Nov.28, 2011	Expert Committee Meeting for Estimation of Malaria at NVBDCP, Sham Nath Marg, Delhi.	Prof Arvind Pandey
21 Dec 2011	As a member of the evaluation committee of the research publications of CCRAS scientist for incentive award.	Dr. Atul Juneja

Dec. 26, 2011	Meeting for planning of Household Survey in GFATM project and World Bank project by NIMS at NVBDCP, Sham NathMarg, Delhi. (Under the GF round 9 supported Intensified Malaria Control Project –II (IMCP-II) a large scale population based household survey is planned to be conducted in the Phase I(Oct.2010-Sept.2012). NIMS involved in the HH survey under the World Bank Project, the NVBDCP is planning to conduct the survey.	Prof. Arvind Pandey Dr. R. J. Yadav, Dr. H.K. Chaturvedi
Dec 26, 2011	As a Member in Meeting of Management and Systems Division-3 at Bureau of Indian Standards, Manak Bhawan, New Delhi.	Dr. R. J. yadav
December 27, 2011	Attended a dissemination meeting on “Impact Evaluation of Chiranjeevi scheme on morality in Gujarat” and “Study of public Private Partnership for EmOC in JSY Yojana in Maharashtra” at Indian Institute of Management, Ahmadabad.	Dr. Abha Aggarwal
Dec.29-30, 2011	National Post Surveillance Review Meeting of Central Team Member at NIHFW, New Delhi.	Prof. Arvind Pandey
Jan.4,2012	Million Death Study Collaborator Technical Meeting on District Based Mortality Estimation of IIPS & the Centre for Global Health Research (CGHR) at IIC, New Delhi	Prof. Arvind Pandey
13 <sup>th</sup> & 16 <sup>th</sup> Jan, 2012	World Bank Implementation Review Mission meeting on Operational research on Malaria and Kala-Azar at NVBDCP, New Delhi and at World Bank Office, Lodi Road, New Delhi	Dr. R. J. Yadav, Dr. H.K. Chaturvedi
Jan.19, 2012	9 <sup>th</sup> Meeting of Technical Resource Group on Research & Development (TRG-R&D) at NACO, New Delhi.	Prof. Arvind Pandey
Feb.1, 2012	Meeting to review Avahan IBBA findings and Plan for National IBBS (National Integrated Biological &Behavioural Surveillance) at NACO, New Delhi.	Prof. Arvind Pandey
16 <sup>th</sup> March, 2012	Technical Advisory Committee Meeting on “Non-communicable Disease (NCD) Risk Factors Surveillance” 16 <sup>th</sup> march 2012 – attended and presented the experience of conducting NCD RF Survey in seven states of India.	Dr. H. K. Chaturvedi
March 19, 2012	As a Member in Meeting to discuss the modalities for mid term evaluation of Malaria in NE states at NVBDCP, Delhi.	Dr. R. J. yadav
19 <sup>th</sup> March, 2012	Large Population based surveys under the GFATM project on Malaria at Directorate of National Vector Borne Disease Control Project (NVBDCP), New Delhi.	Dr. H. K. Chaturvedi
19 March 2012	Meeting on Statistical issues for DNB students at BLK Hospital	Dr. Atul Juneja
March 20, 2012	As a Member in Meeting of 72 <sup>th</sup> of the sub committee for ISO/TC 69 work Management and Systems Division-3 at Bureau of Indian Standards, Manak Bhawan, New Delhi.	Dr. R. J. yadav
March 20, 2012	As a Member in first meeting of Sub committee for “Basic statistical methods, MSD 3:4 at Bureau of Indian Standards, Manak Bhawan, New Delhi.	Dr. R. J. yadav
March 21,2012	Meeting to discuss estimation of Malaria deaths in the country at NirmanBhawan, New Delhi.	Prof. Arvind Pandey
March 27,2012	Central Panel Meeting regarding Independent Appraisal of LF & Kala Azar at National Vector Borne disease Control at Sham NathMarg, Delhi.	Prof. Arvind Pandey
March 29, 2012	As a Member in the meeting of committee for Management and Systems Division-3 at Bureau of Indian Standards, Manak Bhawan, New Delhi.	Dr. R. J. yadav
<b><i>Meetings of NIMS/ ICMR &amp; Its Institutes</i></b>		
April 7, 2011	As a member of Expert group meeting of the <i>ICMR-ICAR Joint Task Force on the Rickettsial Diseases.</i>	Dr. R. J. yadav

April 8, 2011	Organized a Steering Committee meeting CTRI in NIMS	Dr. Abha Aggarwal, Dr. Atul Juneja
April 14-15, 2011	As a consultant of Research group of the project” Implementation research for point of care diagnosis of visceral Leishmaniasis in India” at RMRIMS, Patna.	Dr. R. J. yadav
April 25, 2011.	As a member of Expert group meeting of the <i>ICMR-ICAR Joint Task Force on Brucellosis</i>	Dr. R. J. yadav
May 2, 2011	Foundation Day Celebration of IOP and Renaming of IOP to NIOP on 11 <sup>th</sup> Smt. PushpaSriramachari Foundation day Oration by Director, NIOP at Safdarjung Hospital Campus, New Delhi.	Arvind Pandey
May 8-9, 2011	Meeting of Directors/Directors-in-charge at Safdarjung Hospital Campus, Institute of Pathology, New Delhi.	Arvind Pandey
July 5-6, 2011	Visited CalicutMedicalCollege, Calicut to discuss the sample size issues in the recently concluded study on the effects of endosulfan and suggest future steps of ICMR,	Arvind Pandey
July 20, 2011	Pre Meeting in connection with the visit of Secy.(DHR) &DG to Puthur&Kasargoddistt. of Kerala in connection with Supreme Court directions on Endosulfan issue on 30-31 July,2011 at ICMR,	Arvind Pandey
July 23, 2011	ICMR/TLM Seminar on Harnessing Advances in the Knowledge into action for eradication of Leprosy at ICMR HQrs., New Delhi.	Arvind Pandey
August 1, 2011	Visit of Dr. Jaya Krishnan, Principal Investigator for the additional statistical analysis work in connection with Endosulfan to finalize the report to be submitted to the Supreme Court at NIMS.	Arvind Pandey
August 3, 2011	Combined Committee Meeting of Endosulfan to finalize the report to be submitted to the Supreme Court in ICMR Hqrs.	Arvind Pandey
August 4-5, 2011	PRG Meeting on Women’s Health at ICMR, New Delhi.	Arvind Pandey, Dr. R. J. Yadav
August 13, 2011	Consultation Meeting for identification of public health research priorities in India”: Perspective of Central and State Government Stakeholders at NIE, Chennai.	Arvind Pandey
Sept.24, 2011	Interim Scientific Advisory Committee Meeting at National Institute of Malaria Research (NIMR), (ICMR), Dwarka, Sec.8, New Delhi-77.	Arvind Pandey
Sept 26 2011	Meeting on CTRI for Ethical committee members of Research/teaching Institute at IAC annex organized by NIMS, ICMR, New Delhi	All Scientists of NIMS
Sept. 28, 2011	NIMS Foundation Day Celebration at India Habitate Centre, Lodhi Road, New Delhi.	All Scientists of NIMS
Sept.30, 2011	ICMR Meeting of Task Force on Statistics at NIMS office	Arvind Pandey
October 15-17, 2011	‘XI Symposium on Vector & Vector Borne Diseases of National Academy of Vector borne Disease’s for the centenary year celebration of Regional Medical Research Centre for Tribals, Jabalpur.	Arvind Pandey
October 20, 2011	ICMR Meeting of Task Force on Statistics at NIMS office.	Arvind Pandey
Oct 20-21, 2011	As a member of Review group meeting on Medical Sociology and Bio Statistics at Jodhpur.	Dr. R. J. yadav
Nov.8, 2011	ICMR Centenary Event of Postal Stamp release function, which would be joint function with D/o Posts and MOHFW at DRDO Bhawan & ICMR Awards Ceremony (11-12.30 pm)	All Scientists of NIMS

Nov.15, 2011	ICMR Centenary Events i.e. Centenary Symposium, Currency Coin Release Function, Release of Centenary documents at <b>NASC PUSA</b> .	All Scientists of NIMS
Dec.15, 2011	As an Expert in the 32 <sup>nd</sup> Scientific Advisory Committee Meeting of National Institute of Malaria Research (NIMR), (ICMR), Dwarka, New Delhi.	Arvind Pandey
Dec. 19, 2011	Scientific Advisory Committee (SAC) Meeting of NIMS	All NIMS Scientists
Dec.22, 2011	Governing Body Meeting at ICMR.	Arvind Pandey
Dec 29, 2011	As a Member of Expert Group meeting of the proposal “A multi Institutional study to evaluate capability of Infra red thermography of breast to demonstrate breast cancer “ at ICMR.	Dr. R. J. yadav
Jan.13-14,2012	Meeting of Directors/Directors-in-Charge at Desert Medicine Research Centre (DMRC), Jodhpur.	Arvind Pandey
Jan16-17, 2012	As a Member in Meeting of Vector Science Forum to discuss the concept proposals of Kala Azar, Dengue etc already reviewed by subject experts at ICMR,New Delhi.	Dr. R. J. yadav
Jan.18, 2012	Round Table Consultation Meeting under the Chairmanship of Prof. N.K. Ganguly, former DG, ICMR on Etiology of pneumonias in India at ICMR, New Delhi.	Prof. Arvind Pandey, Dr. R.K.Gupta
Jan.23, 2012	Memorandum of Understanding between ICMR, New Delhi & Symbiosis International University, Pune at ICMR, New Delhi.	Arvind Pandey
Jan.27, 2012	Meeting with NIMS & NIMR regarding Large Population based surveys under the GFATM project at NIMS Conference Hall.	All Scientists of NIMS
Feb 1-3, 2012	As a member, in the meeting of annual day celebrations of NIV .	Dr. R. J. yadav
Feb.7, 2012	ICMR Meeting of South Asian forum for Health Research (SAFHeR) to address and strengthen regional health research capacity of south East Asian countries at Lodhi Estate, New Delhi. .	Arvind Pandey
Feb.8, 2012	Meeting for EFC/SFC Memorandum for the Science Centre at ICPO(ICMR), NOIDA.	Arvind Pandey
Feb.21, 2012	Invitation as panelist under the panel discussion entitled “Strategies for Family Planning going forward” in the <b>ICMR International Conference on Reproductive Health with Emphasis on Strategies for Family Planning</b> under the auspices of 22 <sup>nd</sup> Annual Meeting of Indian Society for the Study of Reproduction and Fertility (ISSRF) at ICMR HQ.	Arvind Pandey
Feb 22, 2012	Presented a translation Research presentation of institute with Director General, ICMR.	Dr. R. J. yadav
Feb 23, 2012	As a Member in Meeting to discuss the project” Effect of Institutional Deliveries on Peri natal and neonatal mortality” of Dr Reeta Rasiely, ICMR at Delhi.	Dr. R. J. yadav
Feb.27-29, 2012	39 <sup>th</sup> National Annual Conference of IAPSM on the theme “Epidemiological Transition: Are We up to the Challenge” being held at Dr. Rajendra Prasad Government Medical College, Tanda. (Dharmshala), Distt. Kangra (HP).	Arvind Pandey

March 2, 2012	SAC Meeting of DMRC at Jodhpur.	Arvind Pandey
March 15-16, 2012	As a member of Review group meeting on <i>Medical Sociology and Bio-Statistics</i> at Jodhpur.	Dr. R. J. yadav
<b><i>Meeting of the Projects/ Field Visits</i></b>		
April 8,2011	Steering Committee Meeting of CTRI at NIMS	Arvind Pandey
April 21-22	Meeting of IBBA at NARI, Pune.	Arvind Pandey
April 24-26	Visited HIV Sentinel surveillance Sites in the allotted area of eastern UP, (Varanasi ).	Arvind Pandey
May 4	Meeting of Home Based Management at ICMR.	Prof. Arvind Pandey, Dr. R.J. Yadav, Dr. R.K.Gupta, Dr. Anil Kumar, Dr. Tulsi Adikari, Dr. Atul Juneja, Mr. Jiten Kumar Singh
May 25-26	Visited Bhubaneshwar(Orissa) in connection with the project work of MMR.	Arvind Pandey
June 9	Meeting of the Home Based Project at NIMS.	Prof. Arvind Pandey, Dr. R.J. Yadav, Dr. R.K.Gupta, Dr. Anil Kumar, Dr. Tulsi Adikari, Dr. Atul Juneja, Mr. Jiten Kumar Singh
June 16	Final Meeting of Home Based with Dr. Bhan	Prof. Arvind Pandey, Dr. R.J. Yadav, Dr. R.K.Gupta, Dr. Anil Kumar, Dr. Tulsi Adikari, Dr. Atul Juneja, Mr. Jiten Kumar Singh
June 29	Visited Chennai for attending the Second Scientific Workshop and guide the individuals for Research Paper Writing for the project of Knowledge Network Project of Population Council, New Delhi.	Arvind Pandey
August 18-19	Visited SGPGI, Lucknow for CTRI Dissemination Workshop.	Arvind Pandey
August 27-30	Visited Sri Chitra Institute of Health Sciences, Thiruvananthapuram for Dissemination Workshop of CTRI	Arvind Pandey
Sept.5	Visited NICED, Kolkata as a Central Team Member and involvement in the estimation process of HIV Sentinel Surveillance.	Arvind Pandey
Sept. 26	CTRI workshop at India International Centre, New Delhi.	Arvind Pandey

Dec.14	Session on HSS 2010 & IBBS to review the progress in HSS, present the preliminary findings from HSS 2010 and discuss the road map for National IBBS which are in currently planning at NACO-	Arvind Pandey
Dec. 26,2011	Meeting for planning of Household survey in GFATM project and World Bank project by NIMS at NVBDCP, Sham Nath Marg, Delhi. (Under the GF round 9 supported intensified Malaria Control Project –II (IMCP-II) a large scale population based household survey is planned to be conducted in the Phase I(Oct.2010-Sept.2012). NIMS involved in the HH survey under the World Bank Project, the NVBDCP is planning to conduct the survey.	Arvind Pandey
Jan.27, 2012	Meeting with NIRE, Bhopal for finalizing epidemiological studies report of Bhopal Gas Victims.  Meeting with NIMS & NIMR regarding Large Population based surveys for the Malaria control projects supported by World Bank and Global fund under the GFATM project at NIMS.	Prof. Arvind Pandey, Dr. R. K. Gupta
<b>Meetings of other Institutes:</b>		
April 11,2011	Meeting of Cadila Zydus Data Safety Monitoring Board at Ahmedabad.	Prof. Arvind Pandey
May 24,2011	Civil Society Consultation Meeting on “Population and Development” at Chanakyapuri, New Delhi..	Prof. Arvind Pandey
October 14	Curriculum Review Committee Meeting at IIPS, Mumbai.	Prof. Arvind Pandey
Dec. 23,2011	Meeting of Ranbaxy on Data Safety Monitoring Trial – Invitation for IDMC(Independent Data Monitoring Committee) member & Phase III trial with this FDC product in P. vivax malaria in India. Study of Ranbaxy.(Ranbaxy is developing a new synthetic anti-malarial drug which is a fixed dose combination (FDC) of arterolane maleate (RBx 11160) and piperaquine phosphate (PQP).	Prof. Arvind Pandey
March 7-8	Expert Committee Meeting to discuss the preliminary results of the large-scale survey carried out for the study on “Building Knowledge Base on Population Ageing in India” at institute for Social and Economic Change (ISEC) Bangalore. (joint meeting of Population Research Centre, institute for Social and Economic Change, Bangalore along with Institute for Economic Growth, Delhi and UNFPA, New Delhi.	Prof. Arvind Pandey
March 15,2012	National Seminar organized by IIPS on “ Demographic Transition and Inclusive Development <b>at Kolkata, West Bengal</b> ”.	Prof. Arvind Pandey
March 16,2012	Meeting of TAC on NCD RF Surveillance of Lady Harding Medical College, New Delhi at Hotel Grand, Vasant Kunj, New Delhi	Prof. Arvind Pandey
March 20	First Meeting of SAB of CCRAS at Committee Room of CCRAS, Janakpuri, New Delhi.	Prof. Arvind Pandey

## Ph.D. Evaluation

April 27	Viva Voce Examination of Ms. Sharmistha Basu for her Ph.D. thesis entitled “Factors and Processes Determining Contraceptive Choice: A Study in West Bengal” in the Committee Room of CSRD, JNU, New Delhi	Prof. Arvind Pandey
Dec.2, 2011	Doctoral Committee Meeting at Deptt. Of Biostatistics, AIIMS.	Prof. Arvind Pandey
March 16,2012	Ph.D. Viva Voce examination of Ms. Alka Sabharwal for her Ph.D. thesis entitled “On The Estimation of Progressive Effect of Type-2 Diabetes on Human System-Renal the Target Organ” in Statistical Laboratory Room No.315, Department of Statistics, 3 <sup>rd</sup> Floor, Delhi University, New Delhi-110007	Prof. Arvind Pandey
February 13-14, 2012	Examiner of the Ph.D. degree thesis of Mr Sandip Chakraborty of International Institute for Population Sciences, Mumbai.	Dr.R.J.Yadav
	Examiner of the M.V.Sc. degree of Dr S.Meenakshi Sundaram of Indian Veterinary Research Institute, Deemed University, Berially (UP)	Dr. R.J.Yadav
	Examiner of the M.Sc. degree of Mr Mrinmoy Ray of Indian Agricultural Research Institute, Deemed University, New Delhi.	Dr. R.J.Yadav
	Visiting faculty to the Guru Gobind Singh Indraprastha University Examiner for the paper on research Ethics. Delivered 6 lectures on Research Ethics for the Ph.D students of school of Medical Sciences	Dr. Atul Juneja

## 4. Statistical Consultancy

- The Institute provided assistance to students and faculty of various medical Institutions on design and analysis of the studies. More than 60 students and faculty approached the Institute for advice on statistical issues from the local medical colleges.
- The Institute advised on the epidemiological studies conducted by Calicut Medical College on Endosulfan affected population at Kasragod district of Kerala.
- The Institute rendered statistical assistance to the programs of CCRAS and CCRH.

### Dr. R.J.Yadav

Evaluated project proposals of STS fellowship of ICMR Delhi.

Evaluated project proposals of STS fellowship of ICMR Delhi during March 2012.

### Dr. Abha Aggarwal

Provided statistical consultancy more than 10 students from VMMC & Safdarjang Hospital, Dr. R.M.L. Hospital, and L.H.M.C & S.S.K.H

**During this year reviewed Fifteen research papers of IJMR.**



**Dr. H.K. Chaturvedi**

All India Institute of Medical Science: MD student  
Kalawati Children Hospital, Lady Hardinge Medical College, New Delhi : MD student  
RML Hospital, New Delhi : MD student  
Amity University, NOIDA : Faculty and Ph.D. student

**Journal Referee/Reviewer:**

Malaria Journal, UK (Bio-Med Central)  
International Journal of Equity and Health (Bio-Med Central)  
Indian Journal of Medical Research  
International Health (Elsevier)

**Dr. Atul Juneja**

Advised more than 10 PG and faculty from Maulana Azad Medical College, GB Pant Hospital, Apollo hospital, Safdarjung Hospital for statistical issues in their research work.

Review of the papers from Indian Journal of Medical research.

**Dr. Tulsi Adhikari**

Provided statistical consultancy to students from Safdarjung Hospital, Dr. R.M.L. Hospital and Apollo hospital.

Reviewer of Indian Journal of Medical research.

**5. Publications**

1. Alok Kumar Dwivedi, Sada Nand Dwivedi, S.V.S. Deo, Rakesh Shukla, Arvind Pandey, Durgesh Kumar Dwivedi (2012) An epidemiological study on delay in treatment initiation of cancer patients, *Health*, Vol. 4, No.2, pp.66-79.
2. Arvind Pandey, R.M. Mishra, D. Sahu, S.K. Benara, U. Sengupta, R.S. Paranjape, A. Gautam, S.R. Lenka, R. Adhikary (2011) Heading towards the Safer Highways: An assessment of the Avahan prevention programme among long distance truck drivers in India, *BMC Public Health*, Vo. 11 (Suppl.), pp. S15: 1-12.
3. Arvind Pandey, Sanjay Kumar (2011) Mortality, Morbidity and Burden of Diseases in Bihar, *Journal of Social and Economic Studies*, Vo. XXI(II): Special Issue on Population and Development in Bihar, A.N. Sinha Institute of Social Studies, Patna, pp. 74-103.
4. B.K. Gulati, S. Unisa, A. Pandey, D. Sahu & S. Ganguly (2011) Correlates of occurrence of obstetric fistula among women in selected states of India: An analysis of DLHS-3 data, *F. V&V ObGyn*, Vol. 3(2), pp. 01-08.
5. Arvind Pandey, DCS Reddy, M. Thomas, D. Sahu, Shashi Kant & M. Bhattacharya (2010)

Estimates of Prevalence and Number of HIV Infections in India 2007 - An Update, *Demography India*, Vol. 39(2), 239-245.

6. Arvind Pandey, **Abha Rani Aggarwal**, Mohua Maulik , Jyotsna Gupta, Atul Juneja, SD Seth. (2011) : The upgraded Clinical Trials Registry India: A summary of Changes *IJME*, Vol 8(3) July- Sept 2011, pg 186.
7. Arvind Pandey, **Abha Rani Aggarwal**, Mohua Maulik, &SD Seth (2011): Strengthening Ethics in Clinical Research. *IJMR*, Vol 133, March 2011 pgs.
8. **Abha Aggarwal**( 2011): Sampling issues in research methodologies, *IJMS* 2011;2(2):169-172.
9. **Abha Aggarwal & Arvind Pandey** ( 2011); Inverse sampling to estimate disease burden of leprosy in India: a pilot study *J. Epidemiol Community Health* 2011;65:A173 doi:10.1136/jech.2011.142976f.75
10. Manisha Rastogi, Rudra P. Ojha, **Abha Aggarwal** etal (2012) Amelioration of age associated neuroinflammation on long term bacosides treatment. *Journal of Neurochemical Research* Vol. 37 (4) Pgs. 869 - 874
11. Madhusudan J.V., Kh. Jitenkumar Singh, Jeetendra Yadav. Trends in Schooling among Muslims and Hindus in India. *Asia Pacific Journal of Social Sciences*. July-Dec 2010, pp.126-143.
12. Madhusudan J.V., Kh. Jitenkumar Singh, Jeetendra Yadav. Study of Trends and Determinants of Educational Attainment in Major States in India, *Journal of Human Development*. 2:(2)(July-Dec., 2010): 177-192
13. Chaturvedi, H.K., Mahanta J., Bajpai, Ramchandra and Pandey A. (2011) Correlates of opium use: A study in tribal community of Arunachal Pradesh, India. *BMC Public Health (BioMed Central)* (Under Publication).
14. R.J.Yadav, Arvind Pandey and Jeetendra Yadav: Use of traditional healers of indigenous system of Medicine according to literacy level: *Population and Reproductive health - Perspective and issues* 125-30, 2011
15. Sethi SK, Goyal D, Yadav D, Shukla U, Lal P, Gupta VK, Grover V, Kapoor P, Juneja A. Predictors of Acute Kidney Injury post cardiopulmonary bypass in children, *Clinical and Experimental Nephrology*. 15(4): 529-34 2011
16. Sharma S, Agarwal SM, Juneja A, Sehgal A. Review of factors Spurring the Risk of Breast cancer. *Environment and Ecology* 30(2), 281-290.2012

#### **Scientific Report**

1. **Chaturvedi, H.K.**, Mahanta J., Bajpai, Ramchandra and Pandey A. (2011) Correlates of opium use: A study in tribal community of Arunachal Pradesh, India. *BMC Public Health (BioMed Central)* (Under Publication).

## 6. Major Achievement during the year 2010-1011

**Ph.D. programme:** The Institute is recognized for the Ph.D. program in Medical Statistics by GGSIP University New Delhi.

- It is conducting advance course in Medical Statistics for the students registered for the program.
- The Institute is also involved in the teaching of Research Ethics for the University.

### Annual Day of the Institute as a part of ICMR Centenary Celebration

The Institute celebrated its Annual Day as a part of Centenary celebration of ICMR. Dr V.M. Katoch, Secretary, Department of Health Research & D.G., ICMR, presided over the function. Dr. Prashant Mahapatra, Principal Secretary, Government of Andhra Pradesh and Director-Vice Chancellor, Nizam Institute of Medical Sciences, Hyderabad, delivered the oration on various statistical issues in medical research and health delivery system. Prof. DCS Reddy from WHO was the Guest of Honour. The other honored guests invited for the momentous occasion were ex directors of the Institute. The dignitaries appreciated the work carried out by NIMS and also provided guidelines to further elevate its standard of research. A special news letter on the activities of NIMS to date was also released on the occasion.



Dr. V.M.Katoch giving the presidential address,  
sitting on the dais, from left to right,

Dr. R.K. Gupta, Dr. U. Sengupta, Dr. S.D.Seth, Prof . P.P.Talwar, Dr. Sanjeev Dutta, Dr. P.Mahapatra, Dr. D.C.S.Reddy, Dr. S.S.Verma, Prof. K.Ramachandran, Dr. Padam Singh, Dr. Arvind Pandey

## Capacity Building of the Scientists and their research dissemination

1. The scientist of the Institute had also undergone training in various areas to strengthen themselves for newer areas of research such as Advanced Multilevel Modeling techniques, Clinical Trials and GCP, GIS in Disease Control, Propensity Score Matching Methods and Intellectual Property Rights in different parts of the country and abroad. One of the scientists was also selected for WHO training workshop held in Holland.
2. The scientist of the Institute participated in various conferences in India and abroad. The Institute had published more than 15 publications during the year

## 7. Awards

**Dr. Abha Aggarwal** received Prof. B.G. Prasad Award for the research work on Inverse sampling during ISMS Conference held on 2<sup>nd</sup> -4<sup>th</sup> November 2011 at TRC, Chennai.



Receiving Medal and a certificate for Prof. B G Award during ISMS

**Dr. Tulsi Adhikari** got the WHO Fellowship for Training on GIS and Disease Control at Royal Tropical Institute, Amstardam, The Neatherlands on 14-25 Nov, 2011.



Fellows at Royal Tropical Institute, Amstardam

## 8. Foreign Visits

Dr. Arvind Pandey attended the Drug Information Association Conference on Continuing Education Programme of “Evolving Clinical Trial disclosure Landscape” held at Arlington, VA, USA during September 13-14, 2011

Dr Abha Aggarwal attended International conference on “World Congress of International Epidemiological Association (IEA) during 6th – 11<sup>th</sup> August 2011 at Edinburg, Scotland, UK and presented a paper “Inverse sampling to study disease burden of leprosy” in poster session.



Explaining inverse sampling to Participant

Dr. D. Sahu and Dr. Tulsi Adhikari visited Karolinska Institute, Sweden as part of ICMR delegation to attend the first meeting of INSPIRE project during 25-26 Jan 2012. The researchers from Kerolina Institute and ICMR participated in the meeting and presented their research proposals for possible collaborations.

Dr. R.J Yadav, Dr. D Sahu and Dr. Atul Juneja attended the Annual Conference of International Society for Clinical Biostatistics and presented their papers during the conference at New Convention Centre, Ottawa, Canada, 22-25 August 2012



## 9. Other Activities of the Institute

### Translational Research Unit at NIMS

The translational research unit at NIMS headed by Dr. R,J,Yadav and member Dr. Tulsi Adhikari and Dr. Atul Juneja reviewed the top priority projects and other projects of the institute on regular basis and sent the minutes of the meetings held, quarterly, to Director General, ICMR.

### Secretariat of Indian Society of Medical Statistics

The secretariat of ISMS is based at NIMS. The 29<sup>th</sup> annual conference of ISMS was organized at national Institute for Research in Tuberculosis, Chennai during 3-5 November, 2011. The theme of the conference was Expanding Medical Statistics- Key to Excellence in Biomedical Research.



### Souvenir Ceremony of 29<sup>th</sup> Annual Conference of Indian Society for Medical Statistics

(From L to R) Dr R.J.Yadav ( General Secretary), Dr T. Krishnan ( President), Prof. S. Ramachandran ( Vice chancellor & Chief Guest), Dr Padam Singh, (Ex. Addl. DG, ICMR & Guest of Honour ), Dr Thomas ( Director,NIRT) and Dr P. Venkateshan (Organizing Secretary)