

The Institute of Health Systems

Director's report

Ninth annual general body meeting (2001-2002), 23 December, 2002

Ladies and gentlemen,

On behalf of the faculty and staff of the Institute, I extend a hearty welcome to all of you to this ninth annual general body meeting. I have structured my report as follows:

1. Faculty and personnel.
2. Reporting year (2001-2002) events and activities.
3. Current year (2002-2003) events and activities till date.
4. Taking stock of the Institutes progress so far.

Faculty and staff:

As on date we have a total of 58 persons in various categories as shown here.

| Category of personnel | Persons |
|---------------------------------------|---------|
| Full time faculty | 10 |
| Visiting faculty | 2 |
| Research Associates | 8 |
| Research Assistants | 4 |
| Investigators | 0 |
| Software Developers | 2 |
| System Administration | 3 |
| General Support: Executives and Staff | 17 |
| FIA - Fellows, Interns & Apprentice | 12 |
| All | 58 |

Annex-1 provides more details about the current faculty and personnel profile of the Institute. Our faculty participated in many workshops, seminars and conferences both domestic and international. Annex-2 lists details of IHS faculty participation in training programs, workshops, seminars and conferences. A list of outgoing faculty and personnel is given in Annex - 3.

I. Reporting year (2001-2002) events and activities:

A. Completion of research and consultancy projects reported earlier:

Following studies, already reported in detail in the previous years report were completed during the year under report i.e. 2000-2001.

1. **Indoor Air Pollution Exposure Atlas (IAPEA) 2001:** This study was taken up to develop a model for quantitative prediction of indoor air pollution (IAP) from qualitative data on fuel use and housing characteristic. Such a model will allow construction of state-wide indoor air pollutant exposure atlas. A three-stage cluster-sampling scheme was followed. 1450 households were surveyed in the 3 districts of Telangana region - Ranga Reddy, Warangal and Nizamabad. Round the clock monitoring was done in 420 households to measure respirable suspended particulate matter (RSPM). Biomass fuel use was prevalent in all rural households of the three districts. Majority of the households use wood for cooking (72-81%). Mixed fuel usage was 9%, and 12% use clean fuels. Majority of the households were found



to be traditional stove users. Households using mixed fuels have the highest RSPM concentrations (732 mg/m³). Households with poor kitchen ventilation had a two-fold risk of having high kitchen concentrations compared to households with good ventilation. This study was done in collaboration with the Sree Ramachandra Medical College & Research Institute (SRMC), Chennai and the Center for Occupational & Environmental Health (COEH), University of California, Berkeley. SRMC helped us in instrumentation and measurement of RSPM. We have shared the data with the team from COEH, Berkeley who have since developed a model. However, more research is required to develop greater confidence in the key determinants of exposure to IAP from biomass fuels.

2. Reproductive Health Services and Sector Reform Project and AP State Action

Plan: In the previous annual report, objectives of RHSSR project were mentioned. As part of the SAP, we reviewed the Reproductive health, Child Health Status and Performance of Family Welfare Service delivery through analysis of available secondary data. Antenatal care coverage is more than 80% , but there are quality of care issues. About 50% of the deliveries happen in health care institutions. Going by the current trend we can hope to have all deliveries in hospitals by about 2050. Cold chain maintenance is satisfactory at the State level, but has to improve at the PHC and vaccination point level. During 1997-2000 there has been a very steep increase in the volume of tubectomies and a slight increase in vasectomies. MTP services are not easily available in rural areas. Accessibility and quality of services may have to be improved everywhere. We also found some inconsistencies in the Vision 2020 health goals, we have recommended a review for more realistic targets.

One key strategy of developing the SAP was to learn from the insights and experience of the health personnel. We have conducted FGDs with ANMs and organised three day workshop with Primary Health Centre medical officers and found that: Social reforms such as universal elementary education, health education, realistic planning, reducing the population coverage by subcentre, strengthening sub center and ANM net work, supply management and streamlining program implementation were identified by the ANMs and Medical officers as key issues to improve the Reproductive and Child Health Status in rural AP. We submitted the final SAP on 30th November 2002. The recommendations are as follows: (i) Improvement of location convenience and accessibility to the subcentre. (ii) A detailed practise guidelines for ANMs (iii) improve communication by Assured Incoming Call (AIC) facility (iv) Strengthening of APVVP and non profit hospitals to increase Institutional Deliveries (v) Skill development training's for Health Care Professionals (vii) Training of executive magistrates and police on implementation of age at marriage laws. (viii) Workshop for Panchayati Raj leaders on implementation of age at marriage laws (xi) Designation of religious institutions and Priests as Marriage Registrars and continuing legal education about age at marriage (x) Vaccine Logistics Utilisation and Equipment (VALUE) mangement system (xi) Infrastructure for small area specific planning, monitoring and area specific interventions to reduce IMR (xii) Develop Accreditation System.

3. Better Monitoring of Health Outcomes in India: Improved monitoring of health outcomes, in the long run, will help measure programme progress and improve governance. The first phase of this project was to enlist data sources. This study was undertaken along with Centre for Development Research and Training (CFDRT), Chennai. More than 40 data sources were reviewed, with focus on mortality. This

project is linked to the SRS Cause of Death study which plays an important role in better monitoring of health outcomes in India.

4. **Patient Satisfaction Survey (PSS):** This project was started in Dec-1999. We had done five patient satisfaction surveys twice in a year. The level of overall patient satisfaction was about 70% over the past two and half years. The major areas where the respondents showed dissatisfaction towards the hospital are supply of drugs, Interpersonal aspects, Toilets maintenance, Shortage of staff and water supply.
5. **Periodical Analysis of Hospital Performance (APVVP):** This project started three and half year ago in July, 1998 and was completed this year. Our last report was for the month of March, 2002. We generated 39 monthly reports analyzing performance of APVVP hospitals. It was observed that the major sources of data inaccuracy are, (a) totaling error, (b) transmission and reporting channel error, (c) lack of knowledge among staff about hospital statistics, and (d) guessing and cooked up of figures. Commonly encountered causes of low utilization of the hospital capacity are, (a) lack of appropriate health care professionals such as anesthetists, surgeons, nurses, and others, (b) nonfunctional equipment, (c) short supply of medicines. Factors contributing to over crowding are, (a) good reputation of the health centre, (b) no alternate health care facilities, etc.

B. Training Services:

There has been a slow but steady increase in the number of trainees. During the year 1999-2000 the number was 109 and for the year 2000-2001 it was 145. As seen from the table given below, the number of trainees during 2001-2002 was 140.

| Dates | Program Title | # Students |
|-------------------------|--|------------|
| 20-03-2001 - 24-03-2001 | Introduction to Health Level - 7 | 9 |
| 20-03-2001 - 24-03-2001 | Using PRISM the processing and research information system for mortality data. | 10 |
| 10-05-2001 - 13-05-2001 | Desktop Navigation for Intranets | 14 |
| 25-06-2001 - 08-10-2001 | CHISA2001: Certificate Course in Health Intranet System Administration Phase-1 | 25 |
| 16-07-2001 - 20-07-2001 | Independent Study on Cause of Death Classification Systems | 2 |
| 01-10-2001 - 06-10-2001 | Introduction to the Methods of Epidemiology | 13 |
| 19-11-2001 - 01-12-2001 | Workshop on National Burden of Disease Studies | 14 |
| 10-12-2001 - 22-12-2001 | Workshop on National Burden of Disease Studies | 26 |
| 08-03-2002 - 09-03-2002 | Workshop on Verbal Autopsy and Cause of Death Reporting System | 27 |
| April 2001 - March 2002 | All Programs | Total 140 |

C. Public Services:

1. **Library:** Although our library is small, it has some collections in the area of health economics, health system research etc. not easily available elsewhere in Hyderabad. The Institute has introduced monthly membership for the researchers/academicians to avail the library facility for the required period apart from the regular associate library membership and institutional membership. Currently we have institutional members 2, monthly library members 25, 13 associate members including one life associate member. Most of these memberships are taken to access the Institutes library services. There is a significant increase in the library services with 465 retrievals per month.



2. APHIDB: We continued to maintain the AP Health Institutions Database.

Current year (2002) events and activities

D. Research and consultancy projects:

1. **Epidemiology of Road Traffic Accidents (RTA) in Hyderabad-Deccan, Andhra Pradesh, India:** The process of rapid and unplanned urbanisation has resulted in an unprecedented revolution in the growth of motor vehicles worldwide. The alarming increase in morbidity and mortality owing to road traffic accidents (RTA) over the past few decades is a matter of great concern globally. Currently motor vehicle accidents rank ninth in order of disease burden and are projected to be ranked third in the year 2020. In India, more than 70,000 people get killed due to RTA every year, and this needs to be recognised as an important public health issue. Very few studies have attempted to understand the epidemiology of risk factors associated with RTA in Indian cities. The present study aims to examine the magnitude of this multifaceted problem in a rapidly developing Hyderabad metropolis and analyse the causative factors with a view to enable policy planners in embedding effective norms and control measures into the existing designs and systems, which would pave the way for the intervention strategies, aimed at mitigating the problem. This project has been approved by the Indian Council of Medical Research (ICMR) under the extramural adhoc research scheme.
2. **Integrated Environmental Strategies (IES) Hyderabad, India Project. Health Effects Analysis & Economic Valuation of Health Effects:** Many countries are struggling to meet public health and economic development objectives while managing local and global environmental problems. Identifying integrated strategies that provide multiple economic and health benefits while improving local air quality and reducing greenhouse gas emissions can help decision-makers make the most of limited resources. Quantifying the benefits of integrated environmental strategies and implementing them can assist countries in meeting critical sustainable development objectives while simultaneously managing pressing local and global environmental concerns. The city of Hyderabad in the state of Andhra Pradesh has been selected as the project site, for IES, India Project. IES work will provide Indian policy makers recommendations based on quantified analysis on how best to improve air quality and reduce greenhouse gas emissions while meeting critical health and economic development objectives. The major objective of this study is to develop an initial estimation of health impacts in Hyderabad city and their social costs based on available secondary data. The IHS has been selected as the lead agency by the United States Environmental Protection Agency (US EPA), for carrying out the "Health Effects Analysis & Economic Valuation of Health Effects" components of the IES, India Project. This project is being taken up in collaboration with the Environmental Protection Training & Research Institute (EPTRI), Hyderabad.
3. **Family Welfare Linked Health Insurance Scheme:** The project is commissioned by Ministry of Health and Family Welfare, Government for India (GOI). The objective is to prepare a draft Scheme of "*Acceptor's Family Health Insurance Plan*". The tasks include (a) To develop Membership eligibility and operational definitions (b) To define Benefit package (c) To develop accessibility and service standards (d) To define rights and obligations of the insured acceptor like the extent of choice the insured member has in seeking medical care (e) Organization and administration of the health insurance plan and (f) To develop cost estimates. Currently review of

literature is being done and various insurance policies and schemes is being studied to understand and draw insights. Recently a visit was made to Ratlam district in Madhya Pradesh to understand the implementation of Swawlambi Swathya Yojana, a social health insurance scheme.

4. Maharashtra Hospital Systems Development Project Hospital Performance

Analysis: To strengthen the Maharashtra health system, Government of Maharashtra is implementing a project titled “ Maharashtra Health Systems Development (MHSDP)”. The central goal of this project is cure of the patient with care, custody as supportive goals and education & research as extended goals. The methodology for this study is: MHSDP statistics section makes data available to the Institute around first week of the study month. A sub set of 15 hospitals are identified each month for field visit. Criteria for identification of hospitals are 1) Coverage of all project facility hospitals, 2) Circle wise balance, 3) Outlier status, and 4) Potentiality for inaccuracy in data gathering and compilation. During the field visits, staff collate each data element from the primary registers. The validity of the reported data is measured by comparing the collated data, and calculating statistics such as absolute and relative deviation. Absolute deviation is the difference between reported and collated values. Relative deviation is expressed as absolute deviation divided by reported or collated value. Tallied, marginal and significant deviation indicators are used to measure the validity of data. Number of hospitals reporting data to MHSDP in time is increased from 65% to 87%. On average about 65-70% of the data elements were tallied. The percentage of significant deviations is on the increase side. Overall significant deviation is about 13%. The major factor for deviation is due to lack of knowledge on certain data elements. So, we recommended the project authorities to conduct training programmes on data reporting procedures.

5. Medium Term Financing Strategy for Health in Andhra Pradesh (MTFSH): The Institute of Health Systems collaborated with the International Health System Group (IHSG) based at the Harvard School of Public Health, to assist the Department of Health, Medical, and Family Welfare, Government of Andhra Pradesh (GoAP) to develop a medium term financing strategy for health in AP. The objective of this strategy is to operationalize the principles set out in the Vision 2020 document of GoAP to meet the health needs of the population. The MTFSH project is funded by the DfID and was set out in two phases. Phase One involved extensive collaboration and consultations with counterparts in AP and elsewhere, on the proposed MTFSH outline, plan and action areas. The IHS reviewed the existing information and analysis on burden of disease in AP, commented on the current GoAP strategies in terms of their implicit or explicit priorities across disease problems, suggested important gaps in current priorities and highlighted strengths of current priorities from a burden of disease perspective.

In the Phase two of the project, the support and assistance by the IHS to the Harvard team and other non-Hyderabad based consultants included identification of stakeholders in the health sector in AP, facilitating of meetings with stakeholders including making and confirming appointments, help in collection of relevant documents, providing office space and associated support facilities to the advisors while in Hyderabad (access to local phone, internet, etc.,). A planning meeting on Andhra Pradesh Medium Term Health Strategy and Expenditure Framework was held at Viceroy Hotel on September 26, 2002 where the IHSG team presented about the findings of phase one and workplan of phase two. Several State health officials attended the meeting.

E. Project Proposals under Consideration:

Following are the projects for which proposals are pending with the following agencies:

- 1. Yellow Fever Health Check System at International Airports in the Country:** A project proposal entitled "Evaluation of Yellow Fever Health Check System in accordance with International Health Regulations at International Airports" has been submitted to Ministry of Health & Family Welfare, New Delhi during September 2001. The objective of this study is to assess the extent of risk of yellow fever importation to India and to check the adequacy of current health check practices at International airports in India for enforcement of International Health Regulations and to strike a balance between health check up regulation and passenger convenience levels, to ensure smooth flow of air traffic. Initially IHS proposed to conduct the study in 6 International Airports across the country. After the scrutiny, the ministry has approved to conduct the study in two major international airports in the country viz., New Delhi and Mumbai. The project proposal after review at the Ministry of Health & Family Welfare, is now being scrutinized at DGHS, New Delhi.
- 2. Estimating Data Validation and Training Services to MHSDP:** For the Maharashtra Health Systems Development Project we had sent proposal titled "Data Validation and Hospital Performance". In this proposal the scope is 1) Data Validation 2) Training program on Hospital Statistics 3) Preparation of Standard Registers 4) Preparation of Manual 5) Customization of MH Central. The results will be announced in the month of January-2003.
- 3. Impact of Long Absence from Home on HIV/AIDS risk in trucking community:** A project proposal entitled "Impact of Long absence from home on HIV/AIDS risk in trucking community" is under preparation to be sent to Indian Council for Medical Research, for extramural funding under the ad-hoc research scheme grant.
- 4. Estimation of HIV/AIDS disease burden for socio economic Impact assessment:** A draft MOU is being negotiated with NACO/NCAER on a project proposal entitled "Estimation of HIV/AIDS disease burden for Socio-economic impact assessment".
- 5. A prospective surveillance system to estimate maternal mortality rate:** Proposal on "A prospective surveillance system to estimate maternal mortality rate" was submitted to Indo Dutch Program on Alternatives in Development (IDPAD). The proposal has been shortlisted and a final proposal has to be submitted by 3rd March, 2003.
- 6. A national Study to assess the state of institutional preparedness and mobilization for HIV/AIDS:** The National AIDS Control Organization (NACO) is planning a mid term review to assess the state of preparedness and mobilization of State AIDS Control Societies (SACS). This study would look at two components (a) SACS - Organizational Preparedness and Efficacy (b) NGO and social work capacity. Status of the proposal would be known by the end January 2003.
- 7. Social Marketing of Institutional Delivery Services using a Voluntary Accreditation System:** Social Marketing of Institutional Delivery Services using a Voluntary Accreditation System proposal has been submitted to European Union. Status of the proposal would be known by the end December 2002.
- 8. Social Marketing Study for Universal Iodisation Salt:** Proposal on "Social Marketing study for Universal Iodisation of Salt" was submitted to UNICEF - Delhi. Selection status awaited.

F. Health Informatic Solutions:

We continued to develop the following software solutions to meet research and operational needs of health care institutions and public health authorities.

- 1. BDAP (Burden of Disease Analysis Project):** The BDAP software is being developed to meet the computation needs of Global Burden of Disease Estimations, so that researchers are free to concentrate on more serious issues regarding data accuracy, consistency and analysis of results. The project is funded by WHO, Geneva.
- 2. HIMAN 2000 (Health Information Manager-2000):** This is being designed for hospitals and health care institutions. So far progress on this has been slow due to lack of funding. At present the software allows a hospital to gather statistics and send them electronically to a central site making use of a wide area network connection.
- 3. HIDB (Health Institutions Data Base):** The HIDB, is a database design to hold the information of Health Care Institutions (HCI) located in any geographical region of the country.

G. Training services:

Following is the list of training activities during the current year:

| Dates | Program Title | # Students |
|-------------------------|--|------------|
| 01-07-2002 - 05-11-2002 | HCSD-2002: Health Care Software Development Phase - I | 5 |
| 05-08-2002 - 26-12-2002 | CHISA2002: Certificate Course in Health Intranet System Administration Phase-1 | 24 |
| 26-08-2002 - 28-08-2002 | MH Central Software | 2 |
| 03-12-2002 - 06-12-2002 | BDAP Independent Study Programme | 1 |
| 16-12-2002 - 21-12-2002 | Verbal Autopsy Skills for the SRS | 38 |

We have devised a new programme, namely **The Advanced Studies in Public Health** about which I am going to speak at some length. As part of our continued efforts to build capacity in various areas of public health, the IHS has developed an Advanced Studies in Public Health (APH) programme. The programme aims to equip students with essential public health competencies in such areas as research methods, policy analysis and management. **Curriculum:** The curriculum promotes an interdisciplinary and comprehensive approach to issues related to health, development and provision of health services. The programme is designed to provide multiple opportunities for students to practice public health skills and foster critical thinking about issues addressed by them. The programme is of 2 years duration. The first year comprises of three semesters. The first semester is devoted to core public health subjects such as epidemiology, demography, biostatistics, comparative study of health systems, ethics, programme evaluation etc. In the second semester students, are exposed to public health practice in the country through appropriate field placements. In the third semester, students can chose between the two concentration tracks - The Health and Social Work track or the Health System Research Track. The Health and Social work track of the programme will focus to build skills for management of non profit health care institutions, public health programs, primary health care etc. The health system research track will build skills in various research methodologies in the areas of Epidemiology, Health economics, Health system performance assessment etc. The second year is devoted to a stipendiary internship and guided on the job training in appropriate institutions according to the student's area of concentration. **Eligibility:** Students are drawn from a broad range of medical, allied health, technical, humanities, physical and social science disciplines. A technical degree with at least four years of full time formal study after 10+2 such as MBBS,

B.Pharm, B.Sc Nursing, B.Tech etc. or any graduate degree plus two years of full time study are the prescribed minimum educational qualifications for applying to the programme. Knowledge of elementary functions in mathematics, basic skills in personal computing, academic and business communication skills, and an interest and aptitude for public health are the other prerequisites for admission to the course. **Faculty:** In addition to our in house faculty, we will be availing the services of reputed public health professionals, as visiting faculty to the programme. Dr. Ravi Rangachari, Dy. Director, VCRC (ICMR), Pondicherry have consented to teach the course on “Ethical Basis of Health Care”. Shri. Sundeep Nayak, Dy. Director, LBSNAA have consented to teach the Demography course. Dr. Raman Kutty, Executive Director, Health Action by People, Trivandrum has also given his consent to teach a course in the third semester. **Efforts made to canvas support for the course:** We have been canvassing support for the APH programme from all over the country. In this connection, I have met academicians from premier public health institutions, senior civil servants associated with health and related areas, heads of non governmental organizations and non profit hospitals, and other public health leaders of repute. Our course was well appreciated and we have received many valuable suggestions on further improving the course. Reputed health care organizations like the Sivananda Rehabilitation Home L.V. Prasad Eye Institute, Voluntary Health Association of India (VHAI), Sagarlal Memorial Hospital and the Deccan Medical Trust have endorsed the course. To publicize the course all over the country we have released advertisements in all editions of leading national dailies like “The Hindu” and “The Indian Express”. To target potential entrepreneurial talent in public health, particularly from the rural areas, we have advertised the course in many of the regional language newspapers. To further broad base our student profile we have also advertised in leading newspapers of neighbouring countries like Bangladesh and Nepal. To generate awareness about the course among postgraduate students of various disciplines we have sent display notices outlining the objectives, eligibility, structure and syllabus of the course to universities and educational institutions in various parts of the country. In addition, we are conducting promotional seminars in the major educational institutions and universities of AP such as the Hyderabad Central University and the M.N.R group of institutions, to familiarize post graduate students with the course. **Response to the course:** To date, we have received about 250 formal enquiries about the course through e-mail, letter, telephone and in person. The prospectus of the APH course can be freely downloaded from our web site. In addition to those who have downloaded the prospectus, sixteen prospective applicants have purchased the prospectus from the institute. Three applications were received. One applicant did not satisfy the eligibility conditions. The other two have appeared for the entrance test and have been selected for admission to the APH course. The Gujarat Government has agreed to sponsor two candidates to the programme. IHS is planning to sponsor two of our employees to the programme. **The course will start from 6th January as planned.** If everything goes according to plan, we will probably have six students in our first batch. At the least we will have the 2 students who have already enrolled for the programme. Please do not feel disheartened by the small number. As you may recall, Swami Vivekananda once said “a few determined men can change the course of history”. We are all inspired by Swami Vivekananda. I want to assure you that myself, our faculty and our staff are highly motivated and are looking forward to start the course.

H. Public Health Symposium:

The IHS symposia are an effort to address broad issues in Public Health. Symposia provide the platform for generation and sharing of ideas among representatives from the Government, Administrators, Policy makers, Public Health experts, Researchers, and the

Media. A topic of current importance is chosen, and many experts are invited to present on various aspects of that topic. Symposia last the whole day, and include poster presentations, a book exhibition, an inaugural session, speaker presentations, a question & answer interaction, and a valedictory session. A report of the proceedings is published along with a review of literature concerning the topic.

- 1. Costs of Poor Health Habits:** The WHO identified the theme “Move for Health” for the World Health Day celebrations on 7th April, 2002. The “Move for Health” theme refers to the need for regular exercise and avoidance of sedentary life style. The IHS conducted a Public Health Symposium on Costs of Poor Health Habits to highlight three important risk factors, which are sedentary life style, heavy drinking and smoking. His Excellency, Dr. C. Rangarajan, Governor of Andhra Pradesh inaugurated the symposium. Honorable Minister for Health and Family Welfare, Government of Andhra Pradesh, Dr. N. Janardhan Reddy presided over the Symposium. Shri. K. Madhav Rao, State Election Commissioner, AP, many other dignitaries, and concerned citizens graced the occasion.

| S.No. | Date | Topic |
|----------|-------------|---|
| PHS - 01 | 07 April 02 | Costs of Poor Health Habits - Sedentary Lifestyle, Heavy Drinking and Smoking |

I. Public Health Lectures:

I have mentioned in my previous reports about the importance of public health lecture program and provided the list of lectures conducted so far. We could conduct one public health lecture during the current year (2002) so far.

| Date | Title | Speakers |
|-------------|---|---|
| 02 Mar 2002 | Reforming Health Systems: What have we learned? | Prof. Peter Berman, Harvard School of Public Health, Boston |

J. Public Health Laboratory

- 1. Public Health Laboratory:** In response to an increasing concern regarding the populations’ vulnerability to health risks, efforts have been made to reduce preventable risks (e.g. those related to food borne illness, and environmental threats). Accurate and timely laboratory analyses are critical to identifying tracking, and limiting public health threats and ultimately reducing rates of preventable morbidity and mortality. Optimal functioning of the public health system to meet these threats is dependent on uniform and high quality laboratory testing. The Institute of Health Systems is currently in the process of setting up a public health laboratory at its premises shortly under a grant from Ford Foundation. The activities planned include testing for water and food quality. The students of the APH program would be exposed to the laboratory testing for food and water quality. As a public health specialist, exposure to laboratory testings provide a better awareness about the waterborne and food borne diseases. The objectives also include conducting scientific analyses of environmental samples (water) to identify and monitor potential threats to human health and ensure compliance with environmental regulations. Besides this, the laboratory plans to analyze food specimens to detect and identify contaminants before certifying. The laboratory plans to function in compliance with the Good Laboratory Practices (GLP). The concerned faculty at IHS are currently being trained in GLP Principles.

Taking stock of the Institute's progress so far:

As mentioned in the current year training activities we announced a new programme, Advanced Studies of Public Health for which we have applied for affiliation from Sree Chitra Thirunal Institute of Medical Sciences, Trivandrum and University of Health Sciences, Vijayawada. The following institutions have expressed interest in taking APH students as interns. 1. Shivananda Rehabilitation Home, 2. LV Prasad Eye Institute, 3. Sagarlal Memorial Hospital, 4. Deccan Medical College.

As part of the publicity of the APH we appraised various stakeholders of public health in our country and abroad who include academicians from premier public health institutions, senior civil servants associated with health and related areas, heads of non governmental and private health and related organizations, and other public health leaders of repute. We also approached international funding agencies for sponsoring the faculty chairs for the APH course. Ford Foundation, New Delhi granted a block grant of Rs.50 lakhs for starting a Public Health Laboratory.

M/s. Umamaheswara Rao & Co., have given assistance to the Institute in auditing the IHS accounts from inception till date. They were orally appointed by the President, Dr. Mahapatra, to audit the IHS accounts. For four years they served the IHS and did not charge any fees, in view of the very modest financial position of the Institute. Starting with the financial year 995-96 they charged a fee based on mutual agreement with the President, Dr. Mahapatra. They helped in building up of the accounting system of the Institute. We are quite satisfied with their services. The Institute has built up excellent rapport with the firm. However, good institutional building requires that we change the auditors at intervals. Hence we have identified a new auditor. I request all of you to join me and thank M/s Umamaheshwara Rao and Co. For their excellent service to the IHS in its formative years.

| Financial Year | IHS gross revenue in rupees | | | IHS Gross Revenue Trend Since Inception |
|----------------|-----------------------------|---------|----------|---|
| | Domestic | Foreign | Total | |
| 1991 | 43905 | 0 | 43905 | |
| 1992 | 0 | 424088 | 424088 | |
| 1993 | 50000 | 380000 | 430000 | |
| 1994 | 275042 | 774568 | 1049610 | |
| 1995 | 445517 | 403604 | 849121 | |
| 1996 | 160186 | 768447 | 928633 | |
| 1997 | 835250 | 103612 | 938862 | |
| 1998 | 305100 | 599266 | 904366 | |
| 1999 | 2066525 | 0 | 2066525 | |
| 2000 | 4249243 | 2720925 | 6970168 | |
| 2001 | 4717788 | 5668363 | 10386151 | |
| 2002 | 7733308 | 2451095 | 10184403 | |
| 2002 YTD | 4914305 | 4782682 | 9696987 | |
| 2003 Est. | 2879203 | 0 | 2879203 | |

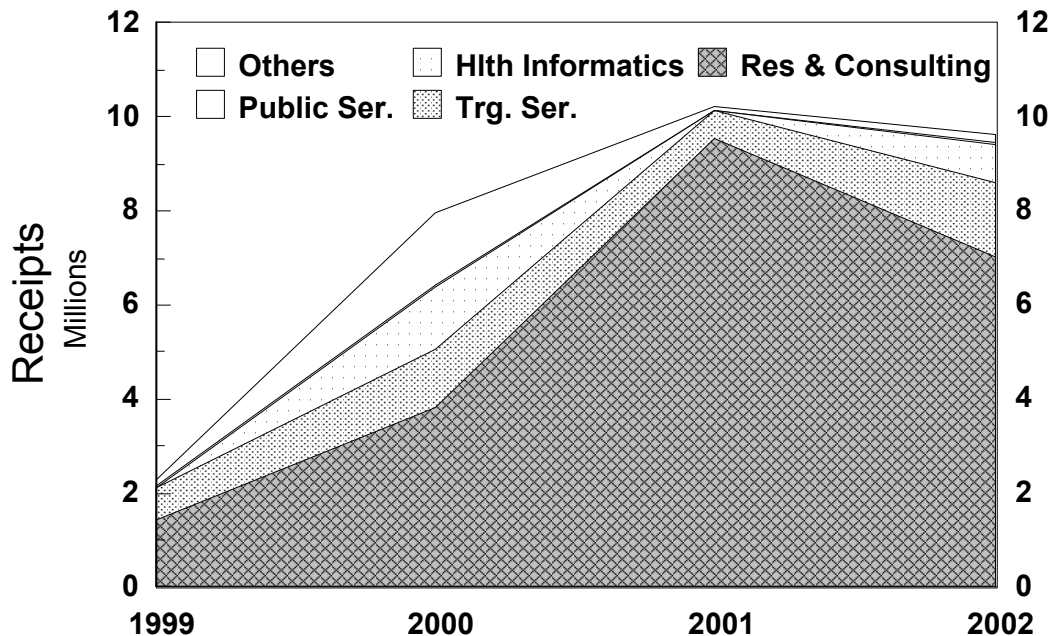
Institute's financial years are from April to March. Here each financial year is represented by the calendar year in which the financial year ends

Narrative report of our activities have been made available to you through previous reports to the general body. Here I will summarise the gross revenue generated by the Institute from the date of its inception. This gives us an idea about the size of the Institute's



operation so far. You may notice that we have sustained the level of revenue achieved last year. The share of domestic revenue has steadily increased over the years. I think this is a good sign.

The IHS Receipts since inception by broad area of activity



Most of our resources has been from Research and Consultancy. We need more consorted efforts to generate revenue for other areas. I assure you that myself and my colleagues will work towards this goal in the coming years.

II. Accounts and audit report:

The audited accounts of the Institute have been enclosed. I now request you to consider the same and give your approval with suggestions if any.

Finally I thank you for having spared the time to participate in this meeting. Your presence is a great inspiration to me, and my colleagues in the Institute.

I would now request you to consider this report and give your valuable advise and guidance for further development of the Institute. I and my colleagues would like to assure you that we will do our best to relate your ideas and suggestions into action.

Date: 23rd of December , 2002

Dr. Prasanta Mahapatra
Director and Hon. President

Annex-1

Faculty and Personnel Profile

Full Time Faculty

Prasanta Mahapatra

Dr. Prasanta Mahapatra, Director of the Institute is a physician civil servant. He is on deputation from the AP cadre of the Indian Administrative Service. He is a Takemi Fellow in International Health and has a Ph.D. in International Health and Economics from the Harvard School of Public Health. Dr. Mahapatra established, for government of AP, the first University of Health Sciences (APUHS) in India, at Vijayawada and became its first Registrar. As Registrar of the APUHS and Director Medical Education, he was responsible for state wide co-ordination and management of tertiary hospitals and medical education services. He was Commissioner, Commissionerate of Medical Services (AP Vaidya Vidhana Parishad), Joint/Addl Secretary Health in Govt. of AP. The health system development projects in various states funded by the World Bank based on the work done by Dr. Mahapatra in Andhra Pradesh. As collector of Nellore, he introduced a collectors office manual, streamlined the public grievance redressal system, conceived and implemented land development projects integrating cadastral survey with soil conservation concepts. He has experience in disaster distress relief management, rural development, general administration and information technology applications in government. Between 1991-1993 he was an International Health Policy Program Fellow and a Takemi Fellow at the Harvard School of Public Health. His research work, during this period, included measurement of public hospital performance, accreditation systems for health care organisations, traditional and herbal medicine etc. Dr. Mahapatra has been a member of the Harvard Burden of Disease Unit from its inception and contributed to the Global Burden of Disease estimates published in the World Bank's World Development Report, 1993. As a faculty in the Administrative Staff College of India, he started a study to estimate burden of disease in AP. He has written books and published articles in research journals. His work include, the book on Estimating National Burden of Diseases, Structure and Dynamics of Private Health Sector, Malaria and GE Manuals, research papers on Cause of Death Reporting System, Health State Valuation, Summary Measures of Population Levels, Health Systems Performance Assessment, Patient Satisfaction Survey etc.

S.Srilatha

Ms Srilatha, Faculty in Quality Assurance in Health Care, is a graduate in Nursing (1994) and has a masters degree in Social Science (1998). She was a Takemi Fellow at the Harvard School of Public Health, US from 2001-2002. She is a recipient of the USAID award for outstanding performance in the Nursing. She has received training on health policy analysis and development programme on policy formulation process from IIM Ahmedabad, trained in International Classification of Diseases (ICD 10) by WHO in Srilanka. She was a research officer to the health care panel on Technology forecast - Health commissioned by Govt. of India, Dept. Of Science & Technology and based at the Administrative Staff College of India. She has completed the online course on Human participants Protection Education for Research Teams sponsored by National Institute of Health (NIH-2002). Her areas of interest include accreditation of hospitals, preparation of standards, quality assurance in health care organisation, reproductive and child health, patient satisfaction surveys, Cause of death & Verbal autopsy. She has worked for the development of Reproductive Health Standards in Private Hospitals. She has wide experience in training. She has been directing a

two week training program titled “Managing Primary Health Care in Remote areas. Her papers and publications include quality assurance in nursing, and quality of reproductive health care provided in private hospitals, patient satisfaction surveys and accreditation.

J Anjaneyulu

Mr. J. Anjaneyulu, Faculty in Statistics, holds a post graduate degree in Statistics from Nagarjuna University. He was awarded the University Second Rank from Department of Statistics during the academic years 1996-1998. In his current position as Faculty, he works in areas such as Health Systems Performance Assessment (HSPA) and Burden of Disease (BOD) estimation.

He has undergone training on “Computer Application to Hospitals and Health Care” conducted by Indian Society of Health Administrators (ISHA), Bangalore. He was a Project Coordinator for Andhra Pradesh Vidya Vidhana Parishad (APVVP) Hospital Performance Analysis (HPA) study. This study was, to carry out detailed performance analysis of the hospitals and their outliers, to understand the nature of data inaccuracy and reporting problems, to ensure timely flow of hospital data, to check the consistency of data, and to identify potential sources of data inaccuracy. He has worked as a statistician and team leader in Patient Satisfaction Survey (PSS) study, the main aim of which was to obtain feedback from the patients of public hospitals who were inpatients for more than three days. In case the patient could not be interviewed, the experiences of the attendant were recorded. He is currently project coordinator of Data Validation and Hospital Performance Analysis study of public hospitals in Maharashtra state.

He was trained on “Burden of Disease and Cost Effectiveness Study” by World Health Organization (WHO) and Harvard School of Public Health (HSPH), South Africa. He was a Demographer in District Health and Family Survey (DFHS) study, which was undertaken to estimate sensitive indicators of population health, such as Infant Mortality Rate, Maternal Mortality Rate & Fertility Rates at the district and sub-district levels, useful for monitoring effectiveness of public health programs. He is in-charge of collecting and maintaining of Census and SRS reports.

K Satish Kumar

Dr. K Satish Kumar, Faculty in Environmental Health, holds a Ph.D. in Zoology with Environmental Biology as specialisation from the Osmania University. He worked as a Research Assistant in the Forestry & Ecology Division of National Remote Sensing Agency, Dept. of Space, Govt. of India. He was a recipient of the Senior Research Fellowship, sponsored by CSIR, New Delhi. He was awarded a **Gold Medal** for best scientific paper presentation entitled "Respiratory Effects of Air Pollution" at the 24th AP State TB & Chest Diseases Worker's Conference in 1997. He also worked as a part-time lecturer at the PG level, at the Department of Zoology, Osmania University. Dr. Satish's primary research interests include environmental health, epidemiology of respiratory diseases & traffic injuries, and burden of disease estimation studies.

He coordinated a District Family Health Survey, undertaken to estimate IMR, MMR & Fertility Rates at the district and sub district levels. This study was designed to gather evidence for small area mortality analysis and area specific planning. He was Co-investigator in the "Indoor Air Pollution Exposure Atlas" (IAPEA) study, designed to develop a methodology for predicting quantitative exposures to IAP from qualitative information on fuel use and housing characteristics to construct an exposure atlas. This study was done in collaboration with the Center for Occupational & Environmental Health, University of California, Berkeley and Sree Ramachandra Medical College & Research Institute, Chennai.

He is currently Principal Investigator for the "Health Effects Analysis & Economic Valuation" components of the Integrated Environmental Strategies (IES) India Project, initiated by the US AID & US EPA. This study is being done in collaboration with the Environment Protection Training & Research Institute, Hyderabad and aims at achieving multiple - economic, public health & environmental benefits. He attended a special workshop on "International Air Pollution & Energy Climate Policy Collaboration" held during the Joint 12th ISEE / ISEA Conference at the University of British Columbia, Vancouver, Canada in August 2002. He will shortly, also be involved in the "Epidemiology of Road Traffic Accidents (RTA) in Hyderabad - Deccan" project approved by the ICMR under the adhoc extramural research scheme grant.

Samatha Reddy PR

Ms. Samatha Reddy, did her Masters in Food Science and Nutrition from the SV University, Tirupati and received three gold medals for securing the highest aggregate marks and first rank. Planning, implementation, monitoring and evaluation of the community based and service delivery programs form the core of her experience. She was instrumental in developing the strategy paper for "Community Managed Supplementary Nutrition Program" to be implemented in Telengana area. As a field officer placed in Gangadhara Mandal, Karimnagar district she designed and implemented Anemia Control Project. The goal was to study the effectiveness of community mobilization strategies on improving the hemoglobin levels of pregnant women. The above two projects were carried out in her tenure with CARE - Andhra Pradesh. As a research fellow in IHS, she was involved in developing a public health manual on Gastroenteritis and is the coauthor of the same. At present, she is working on the Reproductive Health Services and Health Sector Reform that was undertaken by Health and Family Welfare Department, GoAP. As part of this project a State Action Plan was prepared to achieve the stipulated goals in reproductive and child health. The action plan will pursue health sector reform with technical and financial support from the European Commission. She coauthored several working papers related to the reproductive and child health status and service delivery issues in AP. She is also working on the Family Welfare Linked Health Insurance Policy development supported by the Government of India. As part of this she studied the rural health insurance scheme being implemented in Ratlam district, Madhya Pradesh.

VB Sai Kumar

Dr. Sai Kumar Vijayadevan holds a Ph.D in Biotechnology from Jawaharlal Nehru Tech University, Hyderabad. Over the last few years his academic career has spanned the fields of Immunology, Diagnostics R & D, Communicable diseases and Health. Prior to this position in IHS, he had earlier worked for Monozyme India Limited as Research Chemist & Asst. Quality Management Representative. He has also worked for Institute of Transfusion Medicine & Research as a Research & Training Coordinator wherein he conducted research on HIV, Hepatitis B among blood donor population. He was a Post Doctoral Fellow in Department of Medicine, Indiana University in the United States where he worked on ELISA based estimation of various compounds essential for effective renal plasma flow. In his present position as Faculty, Dr. Kumar was involved in various projects such as Patient Satisfaction Survey, Hospital Performance Analysis of APVVP Hospitals as a researcher and in APHSR Pilot study as one of the Project Co-ordinators and as Editor-in-Chief. He orchestrated the Strategy Development Workshop for Health Sector in AP. He was one among the IHS-Malaria Manual Preparation Team that developed "AP Malaria Manual and Practice Guidelines-2001". He received training in National Burden of Disease Research Methodology and Epidemiology methods at the IHS and is currently supporting the NBD

Workshop Alumni. As part of Advanced Studies in Public Health, he is currently involved in setting up of a Public Health Laboratory at IHS, from a grant from Ford Foundation. His research interests include epidemiology of infectious diseases such as HIV/AIDS, Quality Assurance & Accreditation systems.

E. Srinath

Mr. Srinath, is the Health Informatics Group Leader. He did Masters in Commerce and a graduate degree from the National Institute of Information Technology (NIIT). He combines knowledge of accounting with skills in software technology. He was Technical Faculty with major computer training institutions like the CMC and the Frontier Institute of Information Technology (FIIT). He has administered in house training programs for Dr. Reddy's Lab which is a leading pharmaceutical concern. He was involved in designing courses like Health Intranet System Administration (CHISA), Health Care Software Development (HCSD) and Health Level 7 (HL7). As a project leader he was involved in designing, testing and implementation of various modules in Hospital Management Information System (HMIS), the Burden of Disease Application (BDAP) etc. He was also involved in developing applications like Diagsoft and Pharmasoft respectively for medical diagnostics and pharmaceutical packages. He worked on various software development projects including, bank automation and electricity billing. He is one of the co-author of the articles on "Building Health Informatics Infrastructure (HII) in India" and "Indian Health Systems Network". Mr. Srinath's current interests include Electronic Data Interchange in the Health Sector, Health Care Institutions Management System, Health Level 7, Health Informatics Code Sets, Tele Medicine etc.

C K George

Dr. C. K. George, Faculty in Epidemiology holds a masters degree in Community Health (MCH) from the Centre for Social Medicine and Community Health, Jawaharlal Nehru University, New Delhi. He graduated in Medicine and Surgery (MBBS) from Government Medical College, Trivandrum, the University of Kerala. He has served as a Public Health Consultant to the Indian Medical Association (IMA), Kerala State and was responsible for coordinating the drafting of a health policy for the State. Prior to that he served in the rural areas of Kerala as a general practitioner. Dr. George's primary area of focus is on health care delivery and financing mechanisms. He is also interested in policy issues related to decentralization strategies for the delivery of health services and the epidemiology of communicable diseases. He has done an extensive study on the structure and utilization of district health service system of Trivandrum district in Kerala. He has presented papers on Epidemiology of Hepatitis B Virus in India, Tuberculosis control in India and the Structure and utilization of Health Services in Kerala State, India. Dr. George is currently coordinating the Advanced Study in Public Health Programme at the IHS. His current research activities include developing a medium term financing strategy for health in Andhra Pradesh and preparation of state health accounts for Andhra Pradesh.

K M Pushpa Latha

Ms. K. M. Pushpa Latha, Faculty holds a post graduate degree in Psychology from the College of Arts and Social Sciences, Osmania University. She was recipient of three medals for securing highest marks during the course of graduation. She Participated in "Health State Valuation" survey and "Andhra Pradesh Health Systems Responsiveness study" conducted by the Institute of Health Systems. She worked on "Reproductive Health Services and Sector Reform" project commissioned by Commissioner of Family Welfare,

GoAP and funded by European Commission. As part of this project she studied the Reproductive Health Status and Child Health Status in Andhra Pradesh.

G Kalyan Ram

Mr. Kalyan Ram, Faculty in Health Informatics. He is a Masters in Mathematics, has a PG Diploma in Computer Applications and a certificate in PC- Hardware maintenance. He is a Microsoft Certified System Engineer (MCSE). Earlier he was a Programmer in a data compression application project. He developed applications to translate variable length numeric data into binary format for storage in fixed size EPROM locations. As a Systems Manager he used to manage a local area network and management information systems in a three star hotel. As a System Administrator in the Institute of Health Systems (IHS) he was involved in the data capturing project from a Biomedical Equipment using RS-232 interface. He setup the network for the Health State Valuation (HSV) project data entry in Kondakal village. He was also involved in designing the course on Health Intranet System Administration (CHISA). Mr. Kalyan worked for a reputed call centre where he designed and implemented the LAN and WAN technologies using 2Mbps IPLC lines and was involved in evaluating the client work stations & servers. He has working experience in Assembly Languages like 8085, 8088/86, 80c31 Micro-controller, & 'C', Operating Systems like Unix & Windows and Network Operating Systems like Novell Net ware (ver.2.1x & 3.1x) & Windows NT/2000.

His areas of interest include building up of intranets for health care organisations, and personal computing applications in health system. He is currently working on training programmes like CHISA and responsible for system administration team.

Visiting Faculty

Lipika Nanda

Lipika Nanda, a Charter member of the Institute, holds a Masters of Science degree in Public Health from the Harvard University - School of Public Health with specialisation in health care management and information systems. She was Lecturer Hospital Administration at the Nizams Institute of Medical Sciences, Hyderabad and was in charge of the Hospital Information Systems. Earlier she was the Systems Analyst / Project Manager Chronic diseases program, at the Department of Public Health of the Massachusetts state, USA. She has been involved in many research and training programs in USA including Data for Decision Making, Simulated presence therapy (a joint project of Harvard Medical School and VA Hospitals), Managing Health Programs in Developing countries, Shared decision making by public school administrators, etc. She also holds a Masters degree in Psychology from the UGC Advanced Center at the Utkal University, and a Certificate of Advanced Study in Human Development from the Harvard Graduate School of Education. She has taught psychology to graduate students for five years. Currently she is specialising in health information systems, quality assurance in health, operations research in health care delivery, health status measurements, burden of disease methodology and responsiveness study methodology. She was the course director of the series of courses on "Smart use of computers by health executives" and "Designing and Implementing Health State Valuation Studies" conducted by the IHS. Her computer skills include Oracle database administration, and office suite applications. She was the project co-ordinator of the AP Health State Valuation Study, a community based 1,000 household survey. She also worked as a principal investigator for the AP Health and Health Systems Responsiveness Study, a 6,000 household survey, funded

by the World Health Organisation, Geneva. Presently working as a health consultant for Society for Elimination of Rural Poverty (SERP).

Venkiah A.

Mr. Venkiah has a degree in public finance and economics and is a professional trainer. He successfully completed an advanced programme on “Training for Trainers” conducted by the University of Manchester, UK, and was awarded a certificate in Training and development by the Institute of Training and Development, UK. Earlier he was senior faculty member in the Accounts Training College, and Institute of Administration of the government of Andhra Pradesh. Currently Mr. Venkiah is a freelance faculty and resource person. His areas of strength include public administration, disciplinary procedures, public finance and accounting.

Research Associates

J Rambabu

Mr .J .Rambabu, holds a first class masters degree in Economics from the Sri Venkateswara University, Tirupati. He worked in Ramoji film city and in ENBEE Advantage Services Ltd. as a Customer Service Executive. He has extensive field work experience in house hold surveys for various projects like Health State Valuation, Structure and Dynamics of Private Health Sector in AP, AP Health Systems Responsiveness Study etc.

G. Madhu

Mr. Madhu, Research Associate is a post graduate degree holder in Social Work from the Nagarjuna University. Earlier he worked as a coordinator in "Sampurna" an NGO conducting various programmes like DWACRA, Self Help Groups etc., and also in NIN (National Institute of Nutrition) conducting AP Economic Reconstruction programs under Base Line Survey of ICDS sponsored by the World Bank.

Neelima S

Ms Neelima S has a masters degree in Sociology from the Osmania University with specialisation in criminology and social mobility and stratification. She also has knowledge in sociological perspectives of urban thought.

Radha Krishna Raju

Mr Radha Krishna Raju K has a masters degree in Biochemistry from the Kakatiya University. He has a PG Diploma in Plastics and also a diploma in Computer applications.

Goverdhan

Mr. Goverdhan has a masters degree in Social Work with specialisation in Urban and Rural Community Development. He has extensive field experience working as a case worker in integrated rural development services, Dr. Reddy’s Foundation for human and social development. He has organised a workshop on ‘child rights’. Attended a conference on protection of children at risk.

Bhagirath Gop

Mr. Bhagirath Gop has a masters degree in Social Work with specialisation in medical and psychiatric social work from the Osmania University. He has work experience as psychiatric social work trainee in Niloufer Hospital, medico social work trainee in Apollo Hospital , junior consultant in Taru Leading Edge and as investigator in AusAid and APPCB

project. He has extensive field experience. He has done a study on ‘the doctors perception towards medical social workers’.

N Srinivasa Reddy

Mr. N Srinivasa Reddy, post graduate degree holder in Physical Anthropology with specialisation in population genetics and demography from the SV University. Earlier worked as seminar research fellow in Anthropological Survey of India. He has fellowship project titled ‘assessment of nutritional and health status of sickle cell trozygotes and G-6-pd deficient among Maria and Halba tribes of Bastar district”.

S Srinivasa Rao

Mr. S Srinivasa Rao has two post graduate degrees, one in Anthropology with specialisation in medical and bio-social from the Hyderabad Central University and Personnel Management from the Osmania University. As part of his Anthropology masters degree he has done a project on “ Economic organisation of Chenchus”. He also has knowledge of C, C++ and Java.

Research Assistants

Dhanaraj

Mr. Dhanraj, holds a Masters degree in Zoology from the Gulbarga University, Gulbarga. He has worked as an office assistant in district NRDMS (Natural Resource Data Management System) centre, Gulbarga- a DST sponsored project involving computerised data management of district Natural Resources. He also worked as a part time lecturer at the PG level , in department of Zoology, Gulbarga University.

G Srinivasulu

Mr Sreenivasulu has a masters degree in Business Management with specialisation in Marketing from the SKD University, Ananthapur. He also has a diploma in computer applications from BDPS Kurnool. He has done a project titled “A Study of market segmentation” with special reference to Panyam Cements and Mineral Industries, Hyderabad.

Joshua Jeevan

Mr. Joshua Jeevan holds a masters degree in Biotechnology from the SV University, Tirupati. He also has a diploma in computer applications. He got trained from Apollo hospital Chennai in the field of Invtiro fertilisation.

N. Mary Nancy

Ms. Mary Nancy has a masters degree in Human Development and Family Studies from the Sri Padmavati Mahila University, Tirupati. During her masters course she has done a project on "Knowledge of Anganwadi Workers in Identification of Different Disabilities". She also worked as Project intern at the IHS for APHSR project.

Healthcare Software Developers

John Paul Chakalackal

Mr. John Paul, Software Developer has a degree in Computer Science from the college of Applied Science Purmaole, Kerala (Mahatma Gandhi University). And he has done Health Care Software Development course from the Institute of Health Systems. He has

development skills in Fortran, Cobol, C, C++ Java and VB. He also worked on operating systems like Windows, DOS, UNIX etc.

G Shanti Krishna

Ms. Shanti Krishna, Software Developer is a Science graduate and has completed Higher Diploma in Software Engineering from APTECH, 'O' level from DOEACC and Health Care Software Development Course from the IHS. She has development skills in C, C++, VB, Oracle, JAVA and operating systems like MS-DOS, Windows. She has capability to enable all-round development of the establishment by utilizing the power of information technology through automation, by experience gained in previous assignments.

System Administration

V Bhaskar

Mr. V Bhaskar, Associate Systems Administrator has a degree in Commerce, post graduate diploma in computer applications, a certificate course in Health Intranet System Administration, a certificate in Administering and Implementing Windows NT Network, a certificate in Administering Sun Solaris 2.7. He has work experience in languages like C, operating systems like MSDOS, Windows NT, Linux, Solaris etc. He is currently working on maintenance of File Servers, Linux Mail Server, Internet Gateway, RAS Services, LAN Services apart from teaching and co-ordinating CHISA Students.

GBN Surya Kumar

Mr. GBN Surya Kumar, Associate System Administrator has a degree in Computer Science and Post Graduate Diploma in Management Information Systems from the Osmania University. He has work experience in PC Hardware trouble shooting, Windows NT, LAN, operating systems like MSDOS, Windows, UNIX and languages like C, C++ etc. He is currently working on maintenance of the IHS web site, SQL Server and design web pages.

K Mohan Lal

Mr. K Mohan Lal, Associate System Administrator has a degree in Bachelor of Sciences, Post graduate diploma in Computer Management from Megabyte Computer Academy, Post graduate diploma in Computer Sciences from Self Employment & Training, Govt. of AP, Certificate course in Advance Programming in DBase III Plus and Micros in Lotus 1-2-3 and certificate course in Health Intranet System Administration. He has 6 years work experience in maintenance of computer hardware in Govt residential ITI for girls and one year experience in District Collectorate Mahabubnagar. He has knowledge of COBOL, BASIC, FOXPRO and operating systems like MSDOS Windows etc.

FIA - Fellows, Interns & Apprentices

Fellows

Shasank Kalyan B.P

B.P. Shasank holds a Master in Business Management degree from the Asian Institute of Management, Manila, Philippines, and a Bachelors degree in Mechanical Engineering from the Delhi College of Engineering. At the IHS, he is a research fellow in the area of Health Care Management, and coordinates the Andhra Pradesh Health Institutions Data Base (APHIDB) service. His research interests include Management of Non Profit Organisations in Health sector, Hospital Design, and GIS applications in Health. Before joining the IHS, he



worked for six years in the corporate sector in areas such as marketing, corporate strategy and consulting.

Shruti Mishra

Ms. Shruti Mishra, holds a masters degree in Hospital Administration with specialisation in Human Resources from the Indore University, Madhya Pradesh. She has done projects like developing and evaluating performance appraisal system in hospitals and determine the potential of super speciality hospital in Bhopal region as part of her masters degree.

Interns

Prakash Ranjan Roy Kollam

Mr. Prakash, System Administration Intern has a masters degree in Business Administration (MBA) from the Nagarjuna University. He has Computer Application certificate from APTECH and did certified course in Health Intranet Systems Administration Course from the Institute of Health Systems. He has knowledge in languages like C, C++, JAVA and packages like VB, VC++, Developer 2000, Oracle 7.3, etc.

B Stalin Babu

Mr. Stalin Babu, System Administration Intern has a degree in Bachelor of Arts, post graduate diploma in Management Information System and Computer Application from the Osmania University. He also has a diploma in Internet Technology (web designing) and has done a certificate course in Health Intranet System Administration from the IHS. He has one year experience in marketing web pages and two years experience in office administration. He has knowledge in Oracle, Foxpro, operating systems like MSDOS, Windows and network operating systems like Windows NT, Unix etc. Presently working for AP Bhavan, New Delhi on deputation.

A Sumana

Ms. A Sumana, System Administration Intern has an engineering degree in Electrical and Electronics from the Nagarjuna University. She has computer application certificate from APTECH and has a certificate in Health Intranet System Administration from the IHS. She also has a certificate in administering and implementing Windows NT from SBTET. She has knowledge in languages like C, C++, Java and operating systems like Windows NT, Windows 95/98 etc.

KH Ghan Shyam

Mr. Ghan Shyam, System Administration Intern has a degree in Bachelor of Commerce and has done a certificate course in Health Intranet System Administration from the IHS. Qualified in SBTET exam in implementing Windows and Networking. He also has a post graduate diploma in Information Technology from NISIET and certificate course in Java and ASP from Orbit.

J Sarala Rani

Ms. Sarala Rani, System Administration Intern has an engineering degree in Instrumentation from the Nagarjuna University. She has JAVA certificate from NECGSC and did certificate course in Health Intranet System Administration from the Institute of Health Systems. She has knowledge in languages like C, JAVA and operating systems like Windows NT, Windows 95/98 etc.

M. Anitha

Ms. Anitha, System Administration Intern has a Bachelors degree in Commerce from the Osmania University. She has computers applications diploma from BITS and a certificate in Health Intra System Administration from the Institute of Health Systems. She has knowledge in operating systems like Windows NT, Windows 95/98 etc.

D Madhavi

Ms. Madhavi, System Administration Intern has a Bachelors degree in Sciences from the Osmania University. She has a post graduate diploma in Information Technology (PGDIT) from NISIET and a certificate in Health Intra System Administration from the Institute of Health Systems. She has knowledge in operating systems like MS DOS, Windows NT, Windows 95/98 etc.

Ch. Sreedhar

Mr. Sreedhar, System Administration Intern has a Bachelors degree in Sciences from the Osmania University. He has a diploma in Advanced Software Technology (DAST) from CMC and has a certificate in Health Intra System Administration from the Institute of Health Systems. He has knowledge in Oracle 7.3, operating systems like Windows NT, Windows 95/98 etc.

S Muneswari

Ms. Muneswari, System Administration Intern has an Engineering degree in Industrial & Production from the Sri Krishna Devaraya University. She has a certificate in Health Intra System Administration from the Institute of Health Systems. She has knowledge in languages like C and operating systems like Windows NT, Windows 95/98 etc.

Anil Kumar Kanaparti

Mr. Anil Kumar, System Administration Intern has a masters degree in Computer Application from the Andhra University College of Engineering. He has done a certificate course from APTECH and also has a certificate in Health Intra System Administration from the Institute of Health Systems. Worked as Manager, Admin & Marketing for KK Business Propagations and also worked as Project Coordinator for Sumee Informatics and Raasi Soft.

General Support - Executives

Vijaya Lakshmi Tadi

Ms Vijaya Lakshmi Tadi has a masters degree in Public Administration from the Osmania University. She has seven years of experience in the areas of administration, coordinating, liaisoning, event management, human resources management, publications and teaching. Earlier worked as liaison officer in SIIF (Stroke Institute of India Foundation) for four years and also worked as customer care executive for Softalia Private Ltd, Hyderabad.

A Padmaja

Ms. A Padmaja, Training Services Officer holds a post graduate diploma in financial management and graduate degree in arts from the Osmania University. She had worked as an executive secretary in Nagarjuna Finance Limited for eight years and dealt with office administration works and training programmes.

D Bala Koteswara Rao

Mr. Bala Koteswara Rao, Accounts Officer has a masters degree in Commerce from the Nagarjuna University, Guntur. Completed Inter and IIIrd stage in Final Course in ICWAI.

Worked for BDL - Bhanur Division as a Junior Auditor for costing Section through Bhupati Raju Associates, Junior Executive in Apollo Hospitals and Credit Officer Citifinancial Retail Servicing India Ltd.

GSL Vanama Raju

Mr. Vanama Raju, Secretary has a degree in Commerce from the Andhra University. He has about five years of experience and worked for reputed organisations like Software Technology Park Limited and Softpro Solutions Limited.

General Support - Assistants and Staff

| Name | Qualifications | Designation |
|-------------------|-----------------------|---------------------------|
| Kumar Parida | | Camp Attender |
| Chandra Kala | | Sanitary Worker |
| Manemma | | Sanitary Worker |
| J.Phani Kumar | DCCP | Personal Assistant |
| Pavan Kumar | ITI - Electrical | Technical Assistant |
| Koteswara Rao K | BCom & DCCP | Accounts Assistant |
| Rajmallu S | DCCP | Secretarial Assistant |
| Kavitha B | B LiSc | Asst Librarian |
| Ajay Kumar Sindhe | BCom, PGD - PMIR | General Assistant |
| Uma Kanta Padhi | BSc (Chemistry) | General Assistant |
| Srilatha Kulkarni | B Com | Sr. Secretarial Assistant |
| Mallaji | SSC | Maintenance Worker |
| Md. Samiuddin | | Driver cum Attender |

Annex-2

IHS Faculty participation in Training programs, Workshops, Seminars and Conferences after the last AGM dated 06-12-2001 to 23-12-2002.

| Dates | Event & Place | Faculty / Associate / Fellow |
|-----------------|---|---|
| 11 Dec 2001 | Presentation on Bioterrorism on Public Health Policy at Osmania University, Hyderabad | Dr. Prasanta Mahapatra |
| 29-30 Jan 2002 | SAG Meeting at ICMR, New Delhi | Dr. Prasanta Mahapatra |
| 2 Feb 2002 | Standing Technical Advisory Committee meeting at DGHS for CBHI, New Delhi | Dr. Prasanta Mahapatra |
| 22 Mar 2002 | Presentation on Functioning of Private Health Sector in AP: Emerging Policy concerns, Sec'bad | Dr. Prasanta Mahapatra |
| 23 Mar 2002 | Conference on Reaching Global Standards in Health Care: Needs for Accreditation, Mumbai | Dr. Prasanta Mahapatra |
| 04 Apr 2002 | Health Financing and Solidarity Schemes - Health talk Organized by GTZ, Kolkotta | Dr. Prasanta Mahapatra |
| 9-10 Apr 2002 | Verbal Autopsy Meeting, New Delhi | Dr. Prasanta Mahapatra, Dr. Jayashree and Dr. Hemanth Hareesh |
| 31 May 2002 | Expert Review of Verbal Autopsy in the Sample Registration System in India, New Delhi | Dr. Prasanta Mahapatra |
| 06 Jun 2002 | Presentation of revalidation of hospital activity information" in World Bank Central Office, New Delhi | Dr. Prasanta Mahapatra |
| 2 Aug 2002 | Standing Technical Advisory Committee meeting at DGHS for CBHI, New Delhi | Dr. Prasanta Mahapatra |
| 2 Aug 2002 | Meeting at PMO Office regarding Public & Private Partnership, New Delhi | Dr. Prasanta Mahapatra |
| 7-8 Oct 2002 | 24th Scientific Advisory Committee Meeting, Pondicherry | Dr. Prasanta Mahapatra |
| 24-26 Oct 2002 | Workshop on Good Laboratory Practices, Chennai | Dr. Sai Kumar |
| 27-28 Sept 2002 | National Conference on "The India Health care Forum, 2002 Hyderabad. | Dr. C K George Ms. Samatha Reddy Mr. BP Shasank Kalyan |
| 29-31 Oct 2002 | Symposium on Challenges in Malaria and Prospects for Research, New Delhi | Dr. Prasanta Mahapatra |
| 29-31 Oct, 2002 | Analytical Epidemiology & Cause of death studies in Sample Registration System (SRS) in India, Chandigarh | Dr. C K George Mrs. S Srilatha |

IHS Faculty participation in Training programs, Workshops, Seminars and Conferences after the last AGM dated 06-12-2001 to 23-12-2002.

| Dates | Event & Place | Faculty / Associate / Fellow |
|---------------------|---|---|
| 31 Oct - 1 Nov 2002 | Workshop on National Health Accounts in India, New Delhi | Dr. Prasanta Mahapatra Dr. C K George |
| 26-29 Nov 2002 | National Seminar on “Computer Applications in Hospitals and Health Care” conducted by ISHA, Bangalore | Mr. John Paul C Ms. Shanti Krishna |
| 28-29 Nov 2002 | Verbal Autopsy Workshop for DCOs, conducted by ERC, Chennai | Dr. Prasanta Mahapatra Mrs. S Srilatha |
| 2 Dec 2002 | Interactive Session on Public Health: Issues & Challenges, The 91st Induction Training Program at LBS National Academy Administration, Mussoorie. | Dr. Prasanta Mahapatra |
| 11-14 Dec, 2002 | Disasters Preparedness and Emergencies Management organised by ISHA, Bangalore | Ms. Pushpa Latha |

Annex - 3

List of outgoing faculty and Personnel after the last AGM dated 06-12-2001 to 23-12-02

| Name | Designation | Join date | Leave date | Remarks |
|-----------------------------------|----------------------------------|------------|-------------|-------------|
| Faculty: | | | | |
| Atul Priyadarshi | Faculty | 18/10/2001 | 28/02/2002 | Termination |
| Anurag Dubey | Faculty | 18/11/2001 | 05/07/2002 | Termination |
| Research Associates: | | | | |
| Ravindra Kumar V | Research Associate | 20/12/2000 | 21/02/2002 | Resignation |
| Kiran Kumar A | Research Associate | 20/11/2001 | 01/05/2002 | Resignation |
| Bipin Manezhi | Research Associate | 03/07/2002 | -04/07/2002 | Resignation |
| Research Assistants: | | | | |
| Jagveer Kumar BS | Research Assistant | 15/11/2000 | 31/07/2002 | Resignation |
| Ravi Kumar K | Research Assistant | 20/12/2000 | 09/09/2002 | Resignation |
| General Support Personnel: | | | | |
| Swaroopa Rani | Secretarial Assistant | 02/11/1999 | 01/02/2002 | Resignation |
| Somu Naidu T | Secretarial Assistant | 16/02/2002 | 11/03/2002 | Resignation |
| Gopal Rao Ch | Accountant & Accounts Officer | 12/04/1999 | 03/06/2002 | Resignation |
| Madhusudan B | Driver -cum-Attendar | 22/12/2001 | 16/07/2002 | Resignation |
| Sailazaraj S | Sr. Secretarial Asst | 14/03/2002 | 31/07/2002 | Resignation |
| Venkata Sastry K | Sr. Secretarial Asst | 26/07/2002 | 07/08/2002 | Resignation |

Fellows, Interns and Apprentices:

| | | | | |
|-------------------|-----------------------|------------|------------|----------------------|
| Dr. Jayashree | Hony. Fellow | 03/04/2001 | 18/04/2001 | Fellowship Completed |
| Jagveer Kumar BS | Social Science Intern | 15/06/2000 | 14/11/2000 | Completed |
| Hemanth Hareesh J | Research Fellow | 21/02/2002 | 16/10/2002 | Termination |
| Ravindra Kumar Ch | Research Fellow | 12/08/2002 | 20/11/2002 | Termination |

System Administration:

| | | | | |
|-------------------|-----------------------------|------------|------------|-----------------------|
| Kishore Kumar | Software Engineering Intern | 30/01/2001 | 29/01/2002 | Internship completed |
| Kamalakar P V | Software Engineering Intern | 27/01/2001 | 26/01/2002 | Internship completed |
| Vamsi Kirshna V N | Software Engineering Intern | 27/01/2001 | 26/01/2002 | Internship completed |
| Sreedevi S | System Administrator Intern | 13/12/2001 | 21/08/2002 | Resignation |
| Krishna GSS | System Administrator Intern | 07/12/2001 | 31/08/2002 | Extramural Internship |
| Phani Kumar V | System Administrator Intern | 07/12/2001 | 31/08/2002 | Extramural Internship |

Software Developer

| | | | | |
|--------------|--------------------|------------|------------|-------------|
| Venu Gopal S | Software Developer | 17/11/2001 | 05/07/2002 | Resignation |
|--------------|--------------------|------------|------------|-------------|

Director /02 January 2007