

Curriculum Vitae – Y.P.Gupta

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Qualification: MA, Ph.D (Statistics) from University of Delhi

Training in Health Planning & Economic Development at University of Michigan, USA (1982)

Training in IEC/BCC at Asia Regional IEC Workshop organized by CARE-USA (Savannah, Georgia, USA, October 23 - November 3, 1995)

Training in Health Management at Management Development Workshop organised by CARE-USA (February 14-20, 1996)

Training in Health Financing, Executive Course in Health Financing & Sustainability organised by Management Sciences for Health, Boston, USA, June 9-27, 1997. The course had major focus on financing of health care services through insurance.

Specialisation: Statistics, Quantitative Research, Project Appraisal & Management, Logframe, MIS, Monitoring & Evaluation and Systems Analysis in Health and Development Sectors.

Present Position: Team Lead, Track20 India, Avenir Health, USA and Executive Director and Chief of Research, Y.G. Consultants & Services (P) Ltd.

Professional Experience

About 39 years of experience of research and training, especially in project development using logframe, monitoring and evaluation, MIS, operations research, especially in the field of population, population simulation models, reproductive and child health, sexual and reproductive health of youth and HIV/AIDS. Details of specific professional experience are given hereunder:

1. Team Lead, Track20 India

Guiding staff in doing projections of mCPR and unmet need using FPET model, use these projections for calculating 9 core indicators for India, states, all districts of MPV states and aspirational districts and support FP division of MOHFW in reporting of these indicators to FP2020. Also, responsible for organizing consensus workshops every year

for obtaining concurrence of experts on these indicators through Expert Group meeting and Dissemination Workshop.

2. Project Design, Monitoring & Evaluation, MIS, Operations Research, Research Methods

Project Design

I have major expertise in Project Design and management including logframe. It is evident from the following 9 reproductive health/adolescent health & HIV/AIDS projects designed while working at CARE India as Director, Population and Reproductive health Sector. Of these 3 projects were designed for funding from DFID-India and two from DFID-JFS, UK. All the projects were developed using logframe.

- i. Improving Women's Reproductive Health and Family Spacing in the State of Uttar Pradesh (covers 300,000 women of reproductive age as primary beneficiaries spread over 14 blocks in two districts) funded by USAID, Jan 1997 – June 2002.
- ii. Improving Women's Health in Urban Slums of Allahabad, Uttar Pradesh (covers 28,000 women of reproductive age spread over 65 slums) funded by DfID-JFS, UK, April 1995 – March 1999.
- iii. Improved Health Care for Adolescent Girls in Urban Slums of Jabalpur, Madhya Pradesh (major focus on about 32,000 adolescent girls; other beneficiaries are about 34,000 adolescent boys and 45,000 women of age 20-44 years) funded by UNFPA and CARE, Jan 1997 - December 2002.
- iv. Orientation of Key Truckers, Associates and Transporters' on AIDS in Raipur, Chattisgarh (covering 45,000 tuckers and about 125 Commercial Sex Workers) funded by DfID India July 1999 – March 2001, Elton John AIDS Foundation from April 2001 - March 2004.
- v. Prevention and Control of Sexually Transmitted Infections among Industrial Workers, Wives and Commercial Sex Workers in Asansol, West Bengal (covers about 18,000 industrial workers, 10,000 their wives and 1,000 Commercial Sex Workers) funded by DfID India from April 1999 - June 2001.
- vi. Action for Slum Dwellers' Reproductive Health, Allahabad, Uttar Pradesh (covers 32,000 adolescent girls, 33,000 adolescent boys, about 10,000 husbands of married adolescent girls and 45,000 women of age 20-44 years in all 143 slums) funded by DfID-JFS, UK April 1999 – March 2004.
- vii. Improving Reproductive Health Status of Women in slums and reducing STI/HIV Transmission among Commercial Sex Workers in Agra City, Funded by AUSAID and PPP Health Care Trust, UK, July 1999 - June 2004.
- viii. Restoration of Primary Health Services, Especially Reproductive Health, in Earth Quake Affected Anjar and Bhachau Blocks of Bhuj District, Gujarat, funded by Packard Foundation, USA, June 2001-December 2002.

- ix. Chayan – Improving Reproductive Health Status and reducing STI and HIV infection in Seven States of India, funded by USAID with budget of US\$21 million for 6 years, July 2002-June 2008, covers 56 districts and 22 cities in six states and Delhi (Later integrated with INHP project and called RACHNA)

In addition, I also designed following two projects on strengthening of urban health services while working at National Institute of Health and Family Welfare, New Delhi for Ministry of Health and Family Welfare for funding from World Bank:

- x. Assessment of Family Welfare and Primary Health Care Needs in Urban Areas (Specially Slums) and formulation of proposal for their strengthening in 102 cities of India (1989).
- xi. Plan for Delivery of Family Welfare Services in Urban Areas (Specially Slums) based on the Need Assessment of Beneficiaries (Slum Dwellers), Communication, Training of Staff and KAP study of Private Medical Practitioners in Urban Slums of 18 cities with more than 5 lakh population (1991).

All the projects were developed based on situational analysis in the project area.

- **Member of UIP review team of Ministry of Health and Family Welfare, Govt. of India representing DFID (as a consultant).**
- **Wrote monograph on Health Planning Process in India published by National Institute of Health and Family Welfare, New Delhi. This was revised and updated in August 2009.**

Two projects designed and implemented by were on '**Adolescent Health**' in slums of Allahabad and Jabalpur which also included non-formal education of adolescents who were illiterate, skill development of adolescents for income generation and family life education.

Project Appraisal, MIS, Monitoring and Evaluation

Eight projects developed and implemented by me as Director in CARE-India, have monitoring and evaluation plans including quantitative and qualitative indicators for monitoring and also log frame. In CARE-India, I designed MIS for 8 Reproductive Health and HIV/AIDS projects of which two had computerized MIS.

Designed the Monitoring & Evaluation Framework for the project "HIV/AIDS Prevention and Care Programme for Rural and Tribal Youth in Orissa and Rajasthan", for Oxfam, an International NGO.

During tenure with National Institute of Health & Family Welfare, New Delhi, worked extensively with NGOs as Project Co-ordinator of USAID funded PVOH project for

about 6 years under which assistance was given to 32 Voluntary Organisations to work in the field of Health and Family Welfare. The main responsibilities shared by me were of assisting the Government of India, Ministry of Health and Family Welfare in *project appraisal*, writing of appraisal reports; assistance to sub-grantees in design and conduction of base line surveys, designing of MIS etc., and preparation of procedures manual for programme monitoring and financial Monitoring. The appraisals included 32 projects of Voluntary organizations which included large projects implemented by The Leprosy Mission of India and T.B. Association of India.

Provided technical support to NGOs in implementation of the project strategies, designing of MIS, monitoring and evaluation system and conducted mid-term and final evaluation of these projects.

Conducted large number of research/evaluation studies given in the next section as well at Annexure-1.

3. Population, Sexual & Reproductive Health and HIV/AIDS

My major responsibility in CARE-India as Director, Population & Reproductive Health Sector (including HIV/AIDS), had been to establish CARE-India in the field of population, adolescent & reproductive health and HIV/AIDS through development and approval of new proposals from the International donors and Government of India, their **overall management** for implementation in India and represent CARE in National and International Forums by participation as well as presentation of papers in this field. **CARE-India's Population & Reproductive Sector was established by me after joining as Director.** Designed and implemented 9 projects in the field of Population, Reproductive Health and HIV/AIDS of which two were exclusively on adolescent reproductive and sexual health implemented in 143 slums in Jabalpur as well as Allahabad, two projects were on working with Sex workers in Asansol (also with coal miners) and Agra and one was on working with truckers at Raipur, Chattisgarh . One large project with budget of about US\$20 million on Adolescent Health, Sexual and Reproductive and HIV/AIDS prevention, being implemented currently by CARE-India as integrated project with their nutrition project (RACHNA), in 20 cities spread out in 4 states of India, was designed by me.

Two projects implemented in Jabalpur and Allahabad were on adolescent health, both for girls and boys and also include their sensitisation about SRH, HIV/AIDS, safe sex practices, development and operationalization of Adolescent Resource Centre for Vocational Training .

During CARE, I was responsible for planning, developing and overseeing the Mapping Study done in 21 major cities of India. Besides, responsible for getting the State Management Agency (SMA) contracted from DfID and Orissa State AIDS Cell, to provide technical support to Government of Orissa in implementation of targeted interventions for high-risk populations from June 2000 – May 2003. I provided technical and managerial support to SMA for discharging of their functions till November 2002 when I left CARE.

4. Women Empowerment and Social Audit

Among the 9 projects designed and implemented by me as Director in CARE-India, 7 had major focus on formation of women's/Adolescent's Groups and empowering them to demand, access and utilize the reproductive and child health and HIV/AIDS services in the area. Two large projects implemented in Sitapur/Shahjahanpur districts and Allahabad slums also had component of social audit for which committee of volunteers were formed and trained in social audit.

5. Population Simulation Models & Health Economics

Experience of using 'Spectrum System of Policy Models' developed by The Futures Group International, USA for making HIV/AIDS projections and examining the Social and Economic Impacts of AIDS.

Involved in development, implementation and training in use of computer simulation models under a collaborative project with Research Triangle Institute, North Carolina and The Futures Group, USA, funded by USAID; namely, Rapid Model to demonstrate effect of rapid population growth on health and various socio-economic sectors for advocacy; FamPlan for cost-benefit analysis of family planning programme in India and for planning health & family welfare services; Policy Options Model for fertility analysis and generating alternatives for achieving replacement fertility; DemProj model for population projects; and Target Cost Model for projecting requirement of contraceptives (Condoms, Oral Contraceptive Pills and IUDs) and Market Segmentation analysis and resource allocation model for health and family welfare services.

6. Urban Health Programming

Wide experience of developing models and projects for urban health services. For example, **development of model for delivery of Family Welfare and Primary Health Care services in Urban areas with focus on slum population and its application** for formulation of suitable proposals for Government of India including design of Health Management Information System (first two) and Evaluation of Urban

Revamping Scheme (third) which is largely for providing family welfare services in urban slums. List of studies is given under Professional Experience.

7. International Experience

- Developed strategy paper for Oxfam, GB for initiation of HIV/AIDS prevention, and care and support programme in Bangladesh. For development of strategy paper, I had visited Bangladesh for 2 weeks and interacted with more than 20 NGOs and Government departments of Health and education.
- Did a study for WHO “To Collect, review, analyse, standardize and finalize country report data on health system profile and to prepare their publication in the WHO website – WHO/SEARO, 2005”. This involved visiting Sri Lanka and Indonesia and working with their departments responsible for collecting health statistics and planning departments.
- Participated in large number of workshops/conference outside India.

8. Teaching/Training/Research -Statistics, Operations Research and Research Methods

- Taught statistics to Under-graduate B.A/B.Sc. (Honours), Post-graduate and M.Phil. students while working as lecturer at Hindu College, University of Delhi
- Taught statistics to post-graduate (M.Sc.) and M.Phil. students while working as Reader in Punjab University, Chandigarh
- Taught a course in *Renewal theory: Replacement and Maintenance Model* to probationers of Indian Statistical Service for 10 years
- Teaching to (i) Post-graduate students of Community Medicine M.D. (CHA) of the University of Delhi, Delhi and (ii) trainees of in-service training courses in the institute and providing in-service training in the following areas:
 - a) Statistical methods, forecasting techniques
 - b) Health Planning
 - c) Monitoring and Evaluation including MIS
 - d) Health Project Management
 - e) Bio-statistics and Operations Research Techniques
 - f) Health Economics, Cost-benefit and Cost-effectiveness analysis.
 - g) Network Techniques
 - h) Project/Programme Planning & implementation.
 - i) Computer Applications in Health
- Guiding students for Ph.D. thesis from different universities in India. So far, 3 students have been awarded Ph.D. degree under my supervision in Statistics (Stochastic Processes).

- Examiner for M.Phil and Ph.D thesis in health economic and demography of Jawahar Lal Nehru University, new Delhi
- Conducted OR/Systems Research studies
- I initiated courses in Health Systems Research at NIHFWS with WHO collaboration and conducted three courses in which guidance was given to the participants (faculty of medical colleges, Health Professionals) in development of HSR/OR studies
- Taught research methods including selection of study design, methodology for conduction of quantitative and qualitative evaluations to MD (Community Health Administration) students at NIHFWS.

Costing

- Conducted a number of studies on costing of in-patient and out-patient services in various hospitals of Delhi. Had undergone training in Health Economics at University of Michigan, USA and Health Financing at Management Sciences for Health, Boston, USA. Taught/conducted studies in the area of Health Economics, including cost-benefit and cost-effectiveness analysis, at National Institute of Health and Family Welfare, New Delhi.
- **Provided Consultancy services to UNFPA for the UNFPA/NIDI survey on “Financial Flows “since 2008 to 2020 for national NGOs and Government.**

9. Positions Held

- ❖ **Executive Director and Chief of Research, Y.G. Consultants & Services (P) Ltd. since 2003.**

Providing consultancy services in the field of Population, Reproductive Health and HIV/AIDS. The agencies/organisations to which consultancy has been provided include CRS, Population Foundation of India, American and Indian Red Cross Society, Ministry of Health and Family Welfare, Consortium of National and International NGOs, CARE-India, TNS Mode, DFID, WHO, UNFPA, Oxfam etc. National Consultant for development of UNDP’s Global Environment Facility (GEF) project in India.

Currently working as Team Lead, Track 20 India, Avenir Health(formerly Futures Institute), USA.

Research Work

Have 56 research papers/monographs and technical reports in applied research to my credit. The list is given at Annexure-1.

- ❖ **Director, Population & Reproductive Health Sector, CARE-India, New Delhi from 1995-2002.**
- ❖ **Associate Professor (Operations Research), National Institute of Health & Family Welfare, New Delhi from 1980-1995.**
- ❖ **Reader in Statistics in Punjab University, Chandigarh, India from April - Dec 1979**
- ❖ **Lecturer in Statistics in Hindu College, University of Delhi. From 1970 - 1980**
- ❖ **Junior Scientific Officer, Defence Research & Development Organisation, Government of India, Ministry of Defence, New Delhi from 1967 - 1970**
- ❖ **Membership of Professional Organisations**
 - Indian Society for Medical Statistics
 - Indian Society for Probability and Statistics
 - Indian Association for Study of Population (IASP)

Annexure-1

Major Publications of Dr. Y.P.Gupta

PUBLISHED PAPERS

1. Rationalisation of working of out-patients departments in a hospital - A case study, Health and population - Perspectives and Issues, Vol.6, No.2 (1983) India (with T.R.Anand).
2. Review of researches in Health Economics conducted in India. Health and Population - Perspectives and Issues, Vol.6, No.3 (1983), India (with R.K.Juyal et al).
3. Planning for Hospital computerisation in India (invited paper) DATAQUEST, (January 1984), India.
4. Models for cost-benefit and cost-effectiveness analysis in Health and Family Welfare. Paper presented at the All India Seminar on *Statistical Modelling in Health and Disease*, Dec. 4-5, (1987), Jhansi (India).
5. Cost Analysis of Services Provided by a Medical College & Associated Hospital. Proceedings of the seventh annual conference on *Cost Reduction in Hospitals and Health Care*, ISHA, (1986) (with R.K.Juyal).
6. Application of Computer Model of Cost Effectiveness for Analysis of Health Policy Alternatives at a Block Level, Proceedings of the Seventh Annual Conference, *Cost Reduction in Hospitals and Health Care*, ISHA, (1986)
7. Management Techniques in furthering family welfare programmes. Invited paper for the convention of Employees on *Corporate Sector and Family Welfare Programme in India*, (1990).
8. Teaching Health Economics in India, Asian Economic Review, (Dec. 1990) (with B.B.L.Sharma et al).
9. Research Areas in Health Economics, Discussion paper - Workshop on Identification of Areas of Training, Research and Information Base in Health Economics, National Institute of Health & Family Welfare, New Delhi (1990).
10. Health of the Underprivileged - Rural and Urban, Discussion Paper (1991) (with Salil Basu et al)
11. Sustainability of Primary Health Care, Proceedings of Trainer's Workshop on Project Sustainability organised by EDI, World Bank & L.B.S.Academy of Administration, Mussoorie (Aug.12-14,1991) (with B.B.L.Sharma)
12. Sustainability of Malaria Control & Eradication Program in India, Presented in Trainer's Workshop organised by EDI, World Bank & RIPA, Jaipur (April 28-May 8, 1992) (with B.B.L.Sharma et al)

13. Markov Renewal Process with Random Number of Delays: Application to Conception and Birth Model, *Metron*, No.2 (1992) (with S.C.Jaiswal)
14. "Overview of Project Management", Manual on Family Welfare Evaluation in Industrial Sector edited by Dr. P.P. Talwar for LAPTAP, International Labour Organization, New Delhi (1992).
15. Operations Research in Health Care, Chapter 11, *BIOSTATISTICS: Perspectives in Health Care Research and Practice* edited by Dr. B.L.Verma et al., CBS Publishers & Distributors, Delhi (1993).
16. Current Family Planning Knowledge, Interest, and Information Needs of District Officials in Uttar Pradesh (with P.P.Talwar et al), *The Journal of Family Welfare*, Vol.40, No.3 (1994).
17. Using Age-Specific Appropriate Method-Mix Strategy to Achieve Replacement Level Fertility in India: A Model for Policy Analysis (with Dr. Dennis Chao et al), *Demography India*, Vol 23, No. 1 & 2 (1994) pp 157-166.
18. Family Planning Programme in Seven Most Populous Developing Countries - A Comparison, (with Dr. P.P.Talwar), *Demography India*, Vol. 26, No. 1, 1997.
19. Strategies to Reduce Population Growth in India, Paper presented at the Annual Meeting of the Indian Society for Medical Statistics at Jaipur (1997).
20. Route to Achieve Replacement Level Fertility in Bihar, Madhya Pradesh, Rajasthan and Uttar Pradesh, (with Dr. P.P.Talwar), Invited paper presented in the Experience Sharing Workshop on 'Innovations for Population Stabilization in Bihar, Madhya Pradesh, Rajasthan and Uttar Pradesh' jointly organised by IIMR, Jaipur and UNFPA (1999)
21. Reproductive and Child health Program in India: A Case Study of an Urban Slum, (with Dr. P.P.Talwar), *Newsletter – Asian People and Cities* (1999)

PRESENTED IN WORKSHOPS/CONFERENCES IN INDIA AND ABROAD

22. Verbal Autopsy, a tool for reducing Maternal Mortality presented at White Ribbon Alliance Symposium, September 2000 (with Loveleen Johri et al.)
23. Improving Women's Health and Family Spacing in Rural Uttar Pradesh, Indian Public Health Congress, New Delhi, April 14-16, 2001, India Habitat Center, New Delhi (with Loveleen Johri et al.)
24. Improved Health Care for Adolescent Girls in Urban Slums, Jabalpur (Poster). India Public Health Congress, April 14-16, 2001, India Habitat Center, New Delhi. (with Anupam Raizada et al.)
25. Community Based Interventions for reducing Maternal Mortality (Poster), 129th Annual Meeting and Exposition, American Public Health Association. November 21-24, 2001, Atlanta, Georgia, USA. (with Loveleen Johri et al.)

26. Reproductive Health of Adolescent Girls in Urban Slums: Acting through Peer Educators and Resource Centers (Poster). 129th Annual Meeting and Exposition, American Public Health Association. November 21-24, 2001, Atlanta, Georgia, USA. (with Anupam Raizada et al.)
27. Training the Traditional Birth Attendants- a community based intervention on reducing maternal mortality, IEA South East Asian Congress of Epidemiology, 24-27 February 2002, Jhansi (U.P.), India (with Loveleen Johri et al.)
28. Peer Educators and Resource Centers: Making Reproductive Health Interventions for Adolescent Girls Sustainable. IEA South East Asia Congress of Epidemiology, 24-27 February 2002, Jhansi (U.P.), India (with Anupam Raizada et al.)
29. Targeted interventions with high-risk mobile population groups: a unique approach to sustainable response from the trucking community, IEA South East Asia Congress of Epidemiology, 24-27 February 2002, Jhansi (U.P.), India (with Lalita Shankar et al.)
30. Incorporation of Standard Days Method for expanding informed choices for birth spacing methods in India: Operations Research study', Accepted for presentation in American Public Health Association conference, November, 2002 (with Loveleen Johri et al.)
31. Standard Days Method, American Academy of Fertility Care Professional, California, July 2002 (with Loveleen Johri et al.)
32. Programmatic Changes needed/ resulting from Verbal Autopsies of Maternal Deaths, International Conference of White Ribbon Alliance for Safe Motherhood in India, October 2002 (with Loveleen Johri et al.)
33. Peer Education approach to reduce STI/HIV infection among truckers in Raipur City, India –A case study (Poster), XIV AIDS Conference, Barcelona, July 7-12, 2002 (with Lalita Shankar etc.)
34. Promoting rights and civil society to reduce vulnerability to HIV among truckers, Asia Desk on Mobile Populations, XIV AIDS Conference, Barcelona, July 7-12, 2002 (with Lalita Shankar et.)
35. Improving reproductive health of women in Agra slums and red-light areas, International Conference of White Ribbon Alliance for Safe Motherhood in India, October 2002.
36. Addressing Safe Motherhood through Convergence at Grassroots, International Conference of White Ribbon Alliance for Safe Motherhood in India, October 2002.

REPORTS

37. Cost-effectiveness Analysis of Health Policy Alternatives at a Block Level (Technical Report submitted to Department of Health Planning and Administration, School of Public Health, University of Michigan, Ann Arbor, U.S.A.) (1982).

38. Report of Follow-up Workshop on Health Economics and Management, NIHFW, New Delhi (1983).
39. Evaluation report of Central assistance given to Voluntary Organisations (with C.B.Joshi et al), NIHFW, New Delhi (1983).
40. Evaluation of Health Guide Scheme (A collaborative study) (A Collaborative Study), NIHFW, New Delhi (1984).
41. Study to suggest Health check procedure at International Airports in India (A collaborative study), NIHFW, New Delhi (1985).
42. Strategy for promotion of spacing methods (Draft paper submitted to Ministry of Health & F.W. for discussion in Central council of Health meeting) NIHFW, New Delhi (1986), draft paper.
43. Systematic Analysis of Functioning of Health Teams at District and Block Level (with Prof.J.P.Gupta), NIHFW, New Delhi (1989).
44. Assessment of Family Welfare and Primary Health Care Needs in Urban Areas (Specially Slums) and formulation of proposal for their strengthening in 102 cities of India (with Prof.J.P.Gupta), NIHFW, New Delhi (1989).
45. Plan for Delivery of Family Welfare Services in Urban Areas (Specially Slums) based on the Need Assessment of Beneficiaries (Slum Dwellers), Communication, Training of Staff and KAP study of Private Medical Practitioners in Urban Slums of 18 cities with more than 5 lakh population (with Prof. J.P.Gupta et al), NIHFW, New Delhi (1991).
46. Strengthening and streamlining of Oil & Natural Gas Commission Hospitals at Dehradun, Panvel (Bombay) and Sibsagar (Assam) (withA.K.Agarwal), NIHFW, New Delhi (1992).
47. Review and Strengthening of the implementation of Urban Revamping scheme for providing Family Welfare Services in 117 cities (with Prof.J.P.Gupta et al), NIHFW, New Delhi (1992).

MONOGRAPHS

48. Collaboration with NGOs in implementing the National Strategy for Health for All(Member Secretary of the working Group and core group for preparation of this country paper),National Institute of Health & Family Welfare, New Delhi (1985)
49. Collaboration with voluntary organisations in Health, Family Welfare and Nutrition - An overview of PVOH Project, published by National Institute of Health & Family Welfare, New Delhi (1989).
50. Health Planning Process in India, National Institute of Health & Family Welfare, New Delhi (1992).Revised (2009)
51. Cost-benefit Analysis of Family Planning Programme in India (with P.P.Talwar), Social Change, Vol.24, Nos. 3 & 4 (1994).

52. Health and Family Welfare Planning Model for Central and State Governments - A User's Manual National Institute of Health & Family Welfare, New Delhi (1992).
53. Family Welfare Programme: A Cost-Effective Approach for Social and Economic development in India, Uttar Pradesh, Madhya Pradesh, Rajasthan, Bihar (with P.P.Talwar), National Institute of Health & Family Welfare, New Delhi (1992).
54. Health and Family Welfare planning Model for India (with Dr. Dennis Chao et al), Research Triangle Institute, North Carolina, U.S.A. (1993).
55. Using FamPlan model for Policy Analysis and Designing of Alternative Strategies for Family Planning Program - User's Guide, Research Triangle Institute, North Carolina, U.S.A.(January 1994).
56. Chapter on Operations Research and Log Frame in PUBLIC HEALTH Policy Planning Management, APOTHECARIES FOUNDATION, NEW DELHI (2005)

Note: The list given here is of applied research and don't include basic research papers in statistics.