

National Health Accounts* India

2001-2002

**National Health Accounts Cell
Ministry of Health and Family Welfare
Government of India
New Delhi**

(In collaboration with WHO India Country Office)

* Draft Report, not to be circulated or quoted

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FOREWORD

National Health Accounts (NHA) is a tried and tested tool for summarizing, describing, and analyzing the financing of national health systems. The estimates prepared provide clues regarding the essential steps to be taken for better use of health financing to improve health system performance. A number of countries have started NHA in order to answer the policy questions on (a) Who pays and how much do they pay for health? (b) Who are the important actors in health financing and health care delivery and how significant are their contributions to total expenditure? (c) How are health funds distributed across different services, interventions, and activities that the health system produces? and (d) Who benefits from health expenditure? The advantage of national health accounts is that they not only depict the current use of resources in the health system in detail but if implemented on a regular basis, can also track health expenditure trends and make financial projection of a country's health system requirements.

Recognizing this importance and its usefulness in revamping health care financing strategies, the National Health Policy-2002 emphasized the need and recommended establishment of an NHA system in the country by the year 2005. The Ministry of Health and Family Welfare (MOHFW) established an NHA Cell in collaboration with World Health Organisation (WHO) and started work in this area in the year 2003. The Cell is also expected to facilitate capacity building on NHA in India. A Steering Committee with Secretary (Health) as Chairman is constituted to advise the NHA Cell regarding construction of NHA for India. This apex body comprises representatives from government departments, research institutions and Indian Medical Association (Annexure I). Apart from this the NHA initiative has benefited from a number of consultative meetings with renowned experts (Annexure IV). As part of capacity building, the NHA Cell organized training workshops, which was attended by representatives from State Governments, Central Government Organisations, academic institutions, NGOs and concerned officials from other entities which incur health expenditure in India. Efforts are being made to start State Health Accounts on a pilot basis in 4-5 states in the country.

In-principle approval of Planning Commission has been accorded to the NHA initiative proposed to be undertaken during the Tenth Five Year Plan. Necessary approvals have been obtained for initiating this scheme. Action is underway to get necessary approvals for staffing this cell to facilitate a transition of this initiative from a WHO support activity to a Central health scheme of Government of India.

It is to be noted that the National Commission on Macroeconomics and Health has also come up with the NHA estimates for the country for the year 2001-02 (NCMH 2005). NHA initiative in the MOHFW, in addition to preparation of annual estimates also aims at developing a standard health accounting system in India to facilitate comparisons both at the international and state levels.

P.K. Hota
Secretary, MOHFW, GOI

EXECUTIVE SUMMARY

The total health expenditure in India for the year 2001-02 was Rs. 1,057,341 million, which accounted for 4.6 percent of its gross domestic product. As a proportion to total health expenditure, public expenditure constituted 20.3 percent, private sector expenditure 77.4 and external support 2.3 percent.

The major **financing sources** or entities that provided funds used in health care system are households which accounted for 72 percent of the total health expenditure incurred in India. This includes out of pocket payments borne by the households for treating illness among any member in the household and also insurance premium contributed by individuals for enrolling themselves or family members in various social voluntary health insurance schemes. The remaining financing sources which contributed substantially for provision of health care services in the country were State Governments (13 percent), Central Government (6 percent) and the public and private firms which provide medical benefits to employees and their dependents (5 percent). External support from bilateral and multilateral agencies accounts for 2 percent of health expenditure in India.

In NHA there are **financing agents** or the entities that channelise funds provided by financing sources and use those funds to pay for or deliver health

care services. The households and state governments are the major financing agents in the country and manage 70 percent and 13 percent of funds flowing into the health sector respectively.

Health care provider data reveal that 70 percent of the financial resources is flowing to health care providers in the for profit private sector. Another 23 percent of resources is spent on public providers of health care services. Data on NGO providers is incomplete and efforts are being made to fill this data gap through an independent study of health financing by NGOs. The MOHFW spends sizeable share of its resources on Public health and RCH programmes, medical education and research and on specialty hospitals. The state departments of health and family welfare incur substantial share of resources on hospitals (33 percent) and dispensaries/PHC/Sub Centres (17 percent).

Expenditure when classified by **Health care function** wise shows 74 percent of health expenditure is on curative care services. MOHFW spends 29 percent of its resources on curative care services while state departments of health and family welfare spend 48 percent on same. Households spend 88 percent on curative care services while remaining is spent on immunization, family planning and maternal care services.

ACKNOWLEDGEMENTS

This report is the culmination of the effort of MOHFW for over a period of three years. My sincere thanks to all the members of the NHA Steering Committee with Secretary (Health) as the chair for providing constant support and guidance throughout this period. I am thankful to, Dr. S.J. Habayeb, WHO Representative to India and WHO India Country Office for providing technical and financial assistance for this important initiative.

The NHA Cell had to liaise with concerned technical units and departments of MOHFW and other concerned Ministries at the central and state level, with donor agencies, NGOs and academic institutions regarding the building of the NHA system. I would like to acknowledge the contribution of each and everyone of them in providing data/ inputs for this new initiative in the MOHFW.

My sincere thanks to Secretaries of Health and Finance Department of the State Govts., for providing the budget documents for our use. Central Statistical Organization (CSO) has been a great source of support from the very beginning. We acknowledge the invaluable assistance of various officers in CSO who spent their valuable time to discuss and sort out issues relating to health expenditure by local bodies and households and also in making available state budget documents whenever necessary. Support from the staff of the libraries of Planning Commission and National Institute of Public Finance and Policy is duly acknowledged. We are grateful to the officers in Defence Ministry, Railway Ministry, Insurance Division (Finance Ministry), FCRA Division (Ministry of Home Affairs), Ministry of Statistics and Programme Implementation and office of Comptroller and Auditor General for providing health expenditure data and necessary clarifications when ever required.

The input received from experts (Annexure IV) who participated in the expert group meetings held by the NHA Cell is acknowledged. We would also like to thank the concerned officials at TNS Mode, New Delhi and Institute for Health Systems, Hyderabad for undertaking the studies relating to local governments and NGOs respectively to fill in the gaps in data relating to NHA.

Finally I would like to thank our colleagues in the NHA Cell for their efforts in the publication of this NHA Report.

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ABBREVIATIONS

CGHS	Central Government Health Scheme
CSO	Central Statistical Organisation (Ministry of Planning and Programme Implementation)
ESIS	Employees State Insurance Scheme
FCRA	Foreign Contribution Regulatory Authority
ICHA	International Classification of Health Accounts Developed by OECD
FW	Family Welfare
GDP	Gross Domestic Product
GIC	General Insurance Corporation
IEC	Information Education & Communication
IRDA	Insurance Regulatory & Development Authority
MCH	Maternity and Child Health
MOHFW	Ministry of Health & Family Welfare
NGOs	Non-Government Organisations
NCMH	National Commission on Macroeconomics & Health
NHA	National Health Accounts
NPISH	Non-Profit Institutions Serving Households
NIPFP	National Institute of Public Finance and Policy
NFHS	National Family Health Survey
NSSO	National Sample Survey Organisation (Ministry of Planning and Programme Implementation)
OECD	Organisation for Economic Cooperation and Development
OOP	Out of Pocket i.e. Households
OPD	Out Patient Department
PHC	Primary Health Centre
PRIs	Panchayathi Raj Institutions
SDH	State Departments of Health
RCH	Reproduction and Child Health
SRS	Sample Registration System
TFC	Twelfth Finance Commission Report
THE	Total Health Expenditure
ULB	Urban Local Bodies
UTs	Union Territories
WHO	World Health Organisation

CHAPTER I

HEALTH EXPENDITURE IN INDIA

1.1 Total Health Expenditure

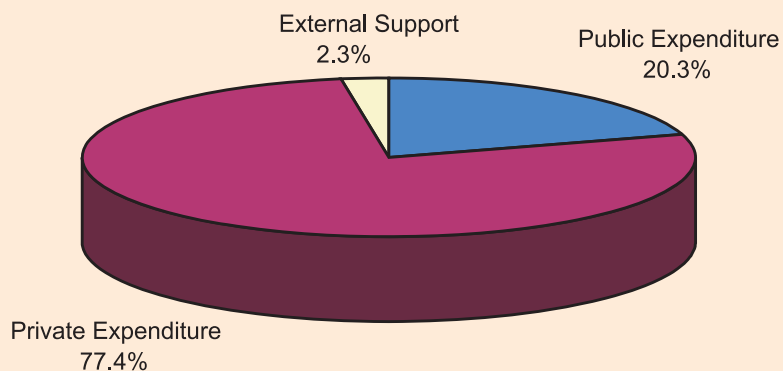
The total health expenditure¹ in India for the year 2001-02 was Rs 1,057,341 million rupees, which accounted for 4.6 percent of its GDP. Of the total expenditure, 20.3 percent was public/government expenditure, 77.4 percent was private expenditure and remaining 2.3 percent external support. Over all, the per capita health expenditure for the year was rupees 1021.

Table 1.1: Total Health Expenditure in India, 2001-02

Expenditure	Exp. in Rs 000s	Percapita Exp (in Rs)	Dist of THE (%)	THE as a % of GDP
1. Public expenditure	214,391,018	207	20.3	0.94
2. Private expenditure	818,104,032	790	77.4	3.58
3. External Support	24,846,646	24	2.3	0.11
Total Health Expenditure	1,057,341,696	1021	100.0	4.63
GDP at Market Prices #	22,81,30,50000			

As per new series (base : 1999 - 2000) of National Accounts Statistics, CSO dated 28 Feb. 2006.

Chart 1.1: Total health Expenditure in India, 2001-02



¹ For definition of health expenditure see appendix I

1.2 Sources of Financing Health Care

The statement in table 1.2 gives the details of sources that financed health care expenditure incurred in India for the year 2001-02. It can be seen that Central Government contributed Rs 67,185 million (6.4 percent) while the contribution of state governments and local governments was Rs 132,709 million (12.6 percent) and Rs 14,496 million (1.3 percent) respectively.

Table 1.2: Statement on funds for health care in India, 2001-02

Source of funds	Exp. In Rs 000s	% Distribution
(a) Public funds		
1. Central Government	67,185,399	6.4
2. State Government	132,709,065	12.6
3. Urban Local Bodies and Panchayat Raj Institutions #	14,496,554	1.3
<i>Total (a)</i>	214,391,018	20.3
(b) Private funds		
1. Households	760,939,107	72.0
2. Firms \$	55,365,142	5.3
3. Non Governments Institutions Serving Households (NGOs)*	799,783	0.1
<i>Total (b)</i>	818,104,032	77.4
(c) External Support		
1. Grants to Central Government	16,483,158	1.5
2. Material Aid to Central Government	825,937	0.1
3. Grants to State Government	2,389,555	0.2
4. To NGOs	5,147,996	0.5
<i>Total (c)</i>	24,846,646	2.3
Total funds	1,057,341,696	100.0

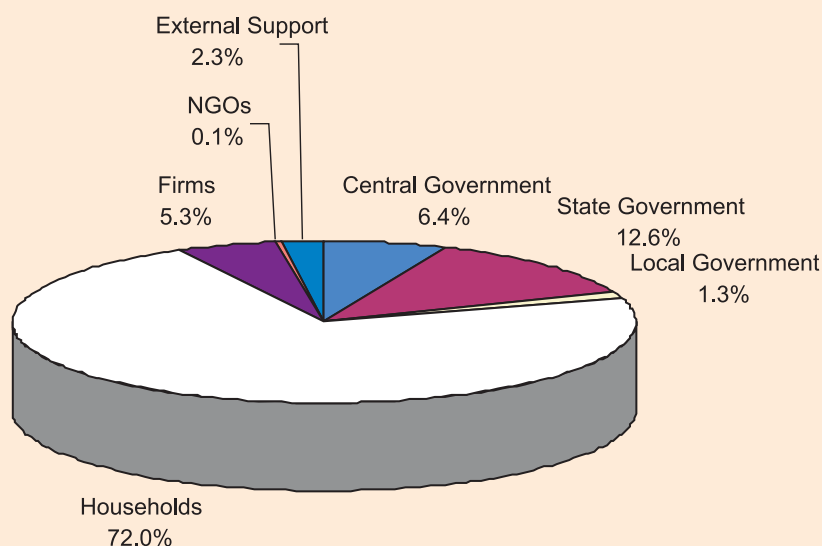
estimate based on data from NHA study on health financing by local bodies undertaken on behalf of MOHFW

\$ from the report of National Commission on Macroeconomics and Health (2005)

* Estimate based on NHA study on Health Financing by NGOS undertaken on behalf of MOHFW

In private expenditure, the household funds or the out of pocket expenditure incurred by households for availing health care services was rupees 760,939 million which accounts for 72.0 percent of total health expenditure in India. The total expenditure incurred by firms in public and private sector for providing medical care benefits to employees and their dependents was rupees 56,365 million. The contribution of NGOs at Rs 800 million, was mainly through donations from Indian philanthropic organizations and from their own resources in the form of interest from deposits and rent from buildings etc. The total external aid received for providing health activities was rupees 24,846 million, most of which has been routed through the central government and can be traced from the budget documents of MOHFW.

Chart 1.2: Source for funds for health care in India, 2001-02



1.3 Health expenditure by States and Union Territories

1.3.1 In this section, the public and private expenditure in States and Union territories have been presented. Share of public expenditure to total health spending of the country by Central Government was 6.4 percent compared to all states 12.55 percent and UTs 0.13 percent (Table 1.3). Per capita health expenditure in India during 2001-02 was Rs. 997 of which public expenditure amounted to Rs. 207 and private expenditure to Rs. 790 (Table 1.3).

1.3.2 Per capita public health expenditure of major states for the year 2001-02 indicated that the level of public health spending was relatively higher in the states of Himachal Pradesh, Jammu and Kashmir, Punjab and Kerala while lower in Uttar Pradesh, Bihar Madhya Pradesh, Orissa and Jharkhand. Private expenditure was relatively higher in Kerala, Punjab, Haryana and Uttar Pradesh as compared to Assam, Rajasthan and Orissa. Per capita health spending in Kerala was the highest while Assam was the lowest in the country. Further break up of the health expenditure by State Governments is presented in Appendix IV.

State wise data do not include large part of data on health expenditure by local governments, firms and NGO's due to their non-availability. A large part of the expenditure incurred by these entities are from their own resources.

National Health Accounts : India, 2001-02

Table 1.3: Public and private expenditure on health in States and Union Territories, 2001-02

State/UT	Health exp in (Rs 000s)			Per Capita exp in Rs			Public exp. as a % total exp
	Public exp	Private exp	Total exp	Public exp	Private exp	Total exp	
<i>Major States</i>							
Andhra Pradesh	13,966,145	65,826,207	79,792,352	182	858	1,039	17.5
Assam	4,722,472	10,545,253	15,267,725	176	393	569	30.9
Bihar	7,708,790	57,455,419	65,164,209	92	687	779	11.8
Gujarat	7,489,883	34,170,828	41,660,711	147	670	816	18.0
Haryana	3,464,139	29,978,295	33,442,434	163	1,408	1,570	10.4
Himachal Pradesh	3,017,151	4,973,388	7,990,539	493	812	1,305	37.8
Jammu & Kashmir	2,769,073	8,072,908	10,841,981	271	790	1,061	25.5
Karnataka	10,968,706	26,923,120	37,891,826	206	506	712	28.9
Kerala	7,686,392	51,887,258	59,573,650	240	1,618	1,858	12.9
Madhya Pradesh	7,995,143	44,532,256	52,527,399	132	733	864	15.2
Maharashtra	19,117,634	79,565,729	98,683,363	196	815	1,011	19.4
Orissa	4,965,448	16,626,974	21,592,422	134	449	582	23.0
Punjab	6,317,806	31,225,084	37,542,890	258	1,273	1,530	16.8
Rajasthan	10,337,892	23,627,391	33,965,283	182	415	597	30.4
Tamil Nadu	12,719,296	40,454,040	53,173,336	202	644	846	23.9
Uttar Pradesh	14,088,564	174,025,330	188,113,894	84	1,040	1,124	7.5
West Bengal	14,649,483	47,924,620	62,574,103	181	593	775	23.4
<i>Other States</i>							
Arunachal Pradesh	693,798	792,672	1,486,470	627	717	1,344	46.7
Chhattisgarh	2,530,003	NA	2,530,003	121	NA	NA	NA
Delhi	5,942,856	8,672,248	14,615,104	426	622	1,048	40.7
Goa	930,111	1,111,316	2,041,427	685	819	1,504	45.6
Jharkhand	3,963,196	NA	3,963,196	146	NA	NA	NA
Manipur	752,633	647,809	1,400,442	345	297	642	53.7
Meghalaya	951,284	247,152	1,198,436	407	106	513	79.4
Mizoram	748,549	90,218	838,767	836	101	937	89.2
Nagaland	830,770	1,609,252	2,440,022	414	803	1,217	34.0
Pondicherry	825,787	389,736	1,215,523	841	397	1,239	67.9
Sikkim	449,538	111,657	561,195	825	205	1,030	80.1
Tripura	968,777	1,576,984	2,545,761	301	489	790	38.1
Uttaranchal	1,523,325	NA	1,523,325	178	NA	NA	NA
<i>Union territories without legislature</i>							
Andaman & Nicobar	440,600	37,914	478,514	1,228	106	1,334	92.1
Chandigarh	729,645	1,535,022	2,264,667	804	1,692	2,496	32.2
Daman & Diu	64,381	79,795	144,176	404	501	905	44.7
Dadar & Nagar	46,276	95,708	141,984	208	431	639	32.6
Lakshwadeep	83,070	28,920	111,990	1,360	473	1,833	74.2
All India#	214,391,018	818,104,032	1,032,495,050	207	790	997	20.8

Note: data for states and UTs exclude health expenditure by local bodies, firms and NGOs

NA- Not available, private expenditure data not available separately for three new states. Private expenditure for 3 new states have been shown with the

All India public expenditure including expenditure by the MOHFW, Central Ministries and local bodies, while private expenditure includes health expenditure by NGOs, firms and households

Chart 1.3: Per capita health expenditure (in Rs) in major states, 2001-02

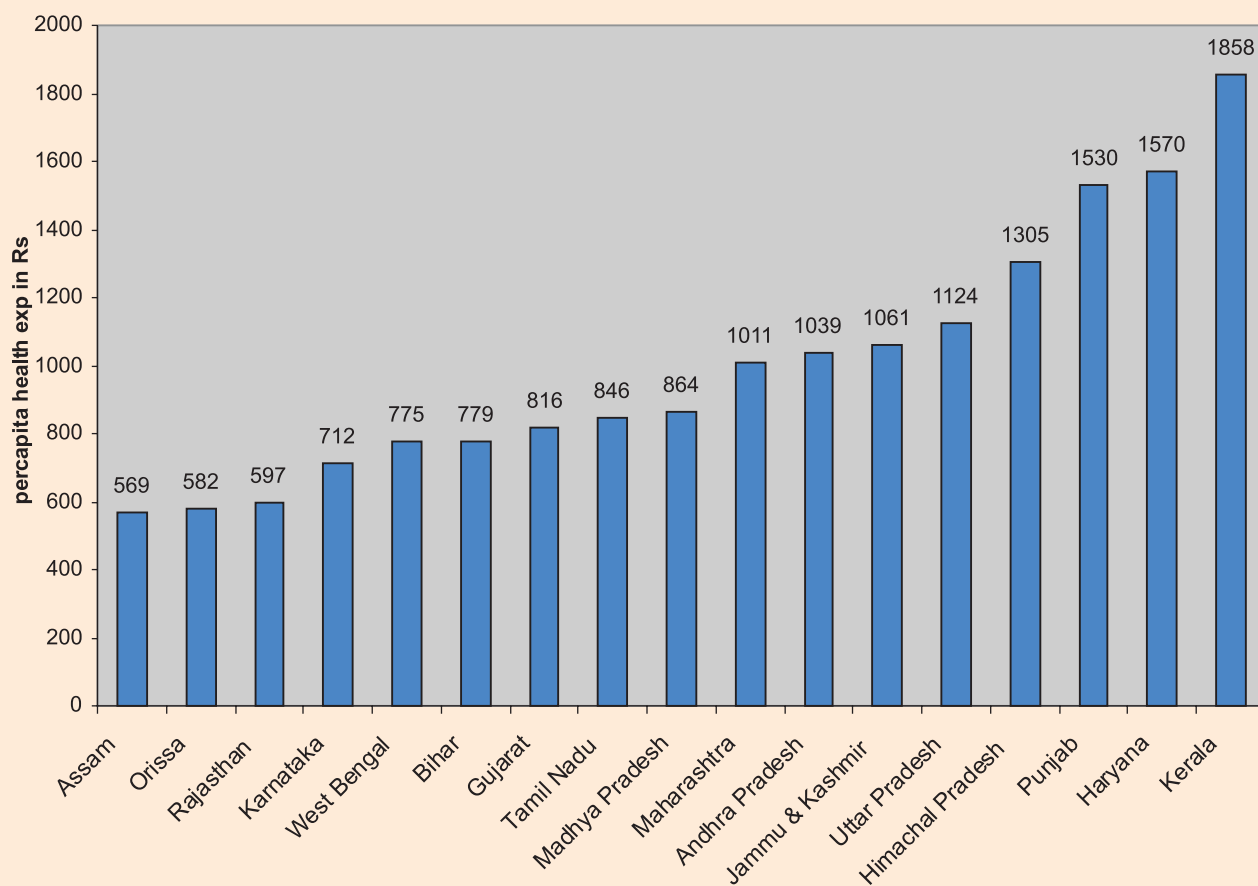
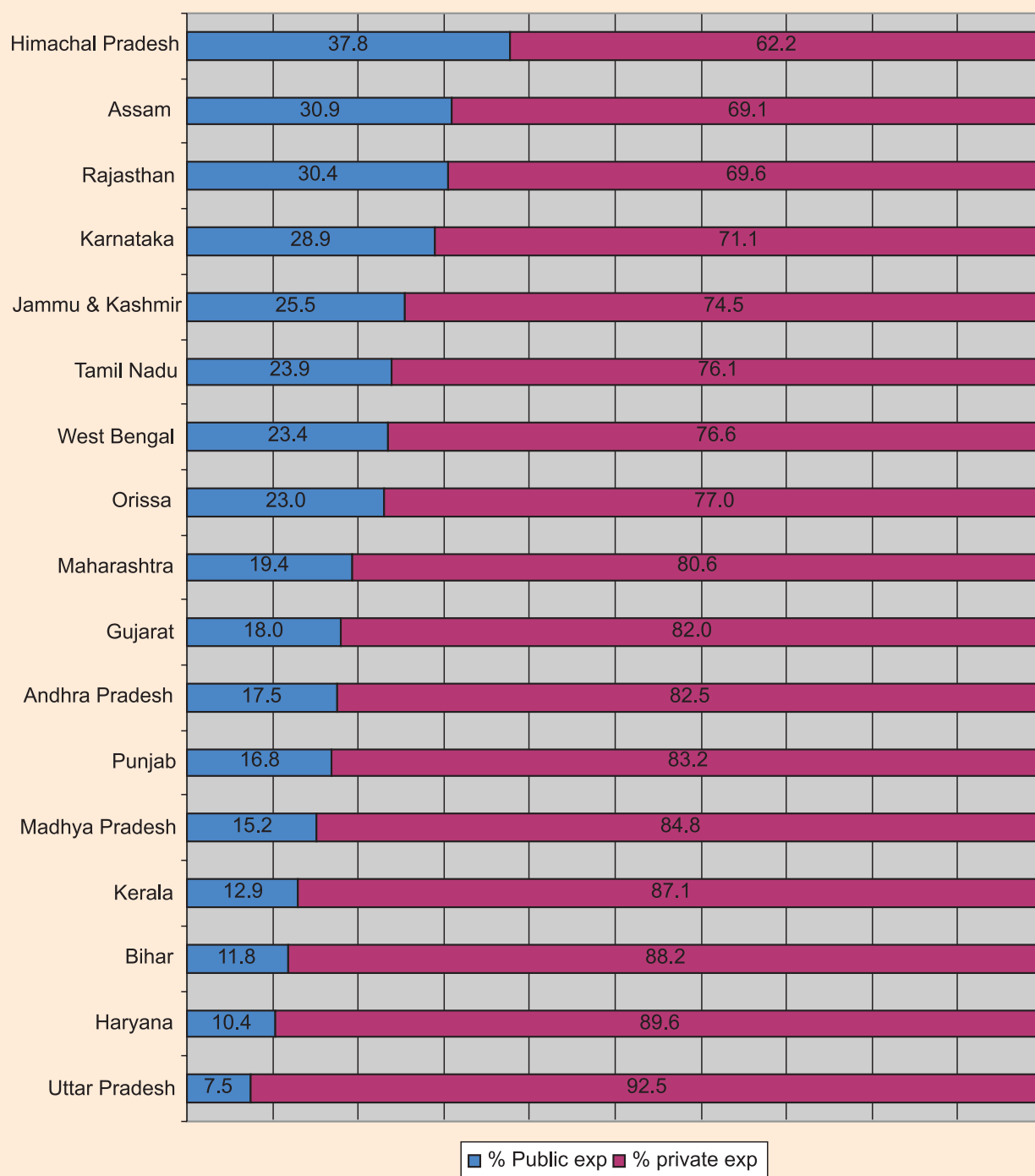


Chart 1.4: Public and private expenditure on health in major states, 2001-02



National Health Accounts : India, 2001-02

Table 1.4: Health expenditure by Central and State Governments, 2001-02

Health expenditure Head	State Department of Health and Family Welfare		MOHFW & Other Central Ministries		Total	
	Exp in Rs 000	% Dist	Exp in Rs 000	% Dist	Exp in Rs 000	% Dist
(a) Medical and Public Health						
Urban Health Services: Allopathy	61,962,594	35.8	5,637,068	10.6	67,599,662	29.8
Urban Health Services: Other Systems of Medicine	3,509,546	2.0	267,370	0.5	3,776,916	1.7
Rural Health Services: Allopathy	28,565,094	16.5	0	0.0	28,565,094	12.6
Rural Health Services: Other Systems of Medicine	4,256,463	2.5	178,382	0.3	4,434,845	2.0
Medical Education, Training and Research	21,058,157	12.2	8,726,071	16.3	29,784,228	13.2
Public Health	17,180,923	9.9	5,740,269	10.8	22,921,192	10.1
Other Expenditure	3,642,226	2.1	70,570	0.1	3,712,796	1.6
Total (a)®	140,175,003	81.0	20,619,730	38.6	160,794,733	71.0
(b) Family Welfare						
Direction and Administration	2,157,498	1.2	116,323	0.2	2,273,821	1.0
Training	677,298	0.4	194,397	0.4	871,695	0.4
Research and Evaluation	2,854	0.0	262,447	0.5	265,301	0.1
Rural Family Welfare Services	12,630,642	7.3	30,137	0.1	12,660,779	5.6
Urban Family Welfare Services	855,646	0.5	15,872	0.0	871,518	0.4
Maternity and Child Health	2,396,189	1.4	3,557,895	6.6	5,954,084	2.6
Transport	203,442	0.1	842	0.0	204,284	0.1
Compensation	1,281,303	0.7	459	0.0	1,281,762	0.6
Mass Education	98,287	0.1	332,514	0.6	430,801	0.2
Selected Area Programmes	1,429,511	0.8	719,108	1.3	2,148,619	1.0
Asst to Local Bodies	1,061,890	0.6	0	0.0	1,061,890	0.5
Other services and Supplies	1,801,945	1.0	1,205,550	2.3	3,007,495	1.3
International Cooperation	163,279	0.1	10,136	0.0	173,415	0.1
Other expenditure	256,493	0.1	1,201,120	2.3	1,457,613	0.6
Total (b) ®	25,016,277	14.5	7,646,800	14.3	32,663,077	14.4
(c) Total Medical and public health and family welfare (a) + (b)®	165,191,280	95.4	28,266,530 ^{\$}	52.9	193,457,810	85.4
(d) Other Expenditure Heads #	7,903,364	4.6	25,197,381	47.1	33,100,745	14.6
Grant Total (a)+(b)+(d) *	173,094,644	100.0	53,463,911	100.0	226,558,555	100.0

Note: This table gives total health expenditure recorded in the budgets of states and central government and will include external aid and grants from center to states. Hence the data cannot be interpreted as funds contributed by central government or state government.

Includes Health expenditure by other departments, medical benefits for govt employees and pensioners and secretariat and social services for health services.

\$ Mostly expenditure on medical benefits to central government employees and pensioners including Ministry of Railways and Defence.

@ This figure tallies with the figures in the Annual financial Statement for respective states for the major heads 2210, 2211, 4210 & 4211

1.4 Comparison with estimates of health expenditure in India

1.4.1 A comparison of health expenditure estimates of India by National Health Accounts (NHA) Cell, National Commission on Macroeconomics and Health (NCMH) and Central Statistical Organization (CSO) available for the year 2001-02 is presented in Table 1.5. Estimates arrived at by NHA Cell and NCMH stood at Rs. 1,057,342 million and Rs. 1,068,040 million respectively while CSO estimated health expenditure at Rs. 936,000 million.

Table 1.5 Comparison with Other available estimates of health expenditure in India for the year 2001-02
(Figures in in Millions)

Source of funds	NHA Cell ¹	NCMH ²	CSO ³
(a) Public Funds			
Central Government	67,185	78,600	170,740 ⁴
State Government	132,709	156,520	
Local Government	14,497	23,990	
<i>Total (a)</i>	<i>214,391</i>	<i>259,110</i>	<i>170,740</i>
(b) All other funds			
Firms (Public enterprises, Public sector Banks, Private Firms)	56,365	55,460	NA
Households	760,939 ⁵	747,600	765,260
Foreign Agencies	24,847	2,210	NA
NGOs	800	3,660	NA
<i>Total (b)</i>	<i>842,951</i>	<i>808,930</i>	<i>7,65,260</i>
Total Health Expenditure	1,057,342	1,068,040	9,36,000

¹ Based on this report, ² Based on NCMH (2005) and ³ Based on CSO (2005)

⁴ Does not include expenditure on family welfare services, medical education, medical reimbursements to govt employees but includes public expenditure on veterinary care services

⁵ See section 2.2.1 for more details.

1.5 International Comparison of health expenditure

Table 1.6 indicates that health expenditure as a percentage of GDP is lower in India when compared to the developed countries. Further the share of government expenditure out of total health expenditure is also low in India.

Table 1.6 Level of health spending in selected counties, 2002

Country	Total Health exp as a % of GDP	Public exp on Health as a % of Total Health Exp
USA	14.6	44.9
Germany	10.9	78.5
France	9.7	76.0
Canada	9.6	69.9
UK	7.7	83.4
Brazil	7.9	45.9
Mexico	6.1	44.9
China	5.8	33.7
Malaysia	3.8	53.8
Indonesia	3.2	36.0
Thailand	4.4	46.7
Pakistan	3.2	34.9
Sri Lanka	3.7	48.7
Bangladesh	3.1	25.2
Nepal	5.2	27.2
India \$	6.1	20.7

Source: World Health Report 2005

\$ Estimates for India from this report is 4.6%.

CHAPTER II

HEALTHCARE EXPENDITURE BY FINANCING ENTITIES

As mentioned in Appendix I & II the present estimates are based on data collected separately from various entities involved in financing of health care services in India. This includes Central Government, State Governments, Local Governments, Households, Health Insurance Providers, Firms and NGOs. At present the role of some of these entities in provision of health care in the country is inadequately defined due to limited availability of information on their sources and uses of funds. This chapter examines the present health financing capacity of these entities based on the source and use of funds by each of them.

2.1. Public Expenditure

The estimates of government expenditure presented below has been obtained by compiling data from budget documents of all the Central Government Ministries, and budgets of all the 28 States and 2 Union territories with Government. Health expenditure by the Ministry of Health and Family Welfare (MOHFW) and state Departments of Health and Family Welfare for the year 2001-02 are from their respective budget documents viz., 'Demand for Grants' for the year 2003-04. All expenditure under the 'medical and public health' (major head 2210 & 4210) and 'Family Welfare' (major head 2211 & 4211) have been compiled. The demand for Grant documents of all other central and state government departments were used to prepare the health expenditure estimates. Care has been taken so that expenditure data duplication is avoided in the case of Grants-in-aid to State Governments (Account Head 3601), Grants-in-aid to Union Territories (Account Head 3602), grants to North Eastern States (Account Heads 2552 or 4552) and the grant in aid from Central and State Budgets to voluntary Organizations and Urban Local Bodies and Panchayati Raj Institutions. Estimates of health expenditure incurred by local Governments is based on NHA study on health financing by local governments in India. Grants from state budgets to local governments for health purposes have been deducted from the estimates prepared on the basis of the above study to avoid double counting.

2.1.1. Central Government

There are two major sub divisions in health expenditure by central government (1) Budget of Ministry of Health and Family Welfare (MOHFW) (2) Budget of Other Central Ministries. Of the total expenditure of Rs 84,568 million, Rs 59,568 million has been spent through the budget of MOHFW and the rest i.e. Rs 25,000 million by the other central ministries.

Table 2.1.1 Health Expenditure by Central Government and Source of funds, 2001-02

	Total Health expenditure	Source of funds (in Rs 000s ¹)		
		External Support (in Rs 000s)	Public receipts ¹	Budgetary support [#]
(a) MOHFW Budget				
Medical and Public Health	20,619,730	4,163,986	733,342	15,722,402
Family Welfare	7,646,800	4,910,402	166,438	2,569,960
Secretariat & Social services	197,155			197,155
Grant in aid to State Governments	30,818,831	7,364,140		23,454,691
Grant in Aid to UT Governments	285,555	44,630		240,925
Total (a)	59,568,071	16,483,158	899,780	42,185,133
(b) Other Ministries/ Departments				
1. Expenditure on UTs without legislature	1,363,972			1,363,972
1. Other central ministries & departments	22,949,132	NA	NA	22,949,132
2. Special assistance to North Eastern Areas	687,122			687,122
Total (b)	25,000,226			25,000,226
Grant Total (a) + (b)	84,568,297	16,483,158	899,780	67,185,359

¹All receipts under the head 0210 & 0211

[#] Obtained by deducting direct external aid and public receipts from total health expenditure

A part of the above expenditure has been met using the funds received in the form of external Aid (Rs 16,483 million) and public receipts under the head (Rs 900 million). Therefore the net expenditure on health by central government using funds from own resources is Rs 67,185 million. Most of the health expenditure incurred under the other central ministries budget is for providing medical benefits to central government employees and their dependents. Further details of the health expenditure by Ministry of Health and Family Welfare are presented below. The data presented below excludes grant in aid to state government/Union territories.

Table 2.1.2: Expenditure by MOHFW by System of medicine in India, 2001-02

System of Medicine	Expenditure (in Rs 000)	% Distribution
Allopathic	27,175,482	95.5
Indian System of Medicine	1,131,025	4.0
Non classifiable	157,218	0.5
Total	28,463,725	100.0

Of the total expenditure by MOHFW, a significant percentage of 95.5 was attributed to allopathic system of medicine and only 4% towards Indian system of medicine.

Table 2.1.3: Health expenditure by MOHFW by provider, 2001-02

Type of health care provider	Expenditure in Rs 000s	% Dist.
(a) Public providers		
Public Hospitals	5,009,758	17.6
Family Welfare Centres	30,137	0.1
Public health labs, blood banks, ambulances etc	248,807	0.9
Medical stores and drug manufacture	119,617	0.4
Public Health & RCH Programmes	9,380,736	33.0
Public Health & RCH training	1,076,693	3.8
Medical Education and Research	5,234,992	18.4
CGHS/ Employee related facilities	3,552,142	12.5
Health education	320,156	1.1
General Health Administration	670,971	2.3
(b) NGO Providers	2,748,257	9.6
(c) Contribution to international organisations	71,459	0.3
Total	28,463,725	100.0

By provider classification, it is seen that 33% of the health expenditure is for public health & RCH programmes as against 18.4% in medical education & research followed by 17.6% in public hospitals.

Table 2.1.4: Health expenditure by MOHFW by function (ICHA), 2001-02

Health Care Function	Exp in Rs (000)	% Distribution
Services of Curative Care	8,375,342	29.4
Ancillary services related to curative care	493,775	1.7
Rehabilitative or long term nursing care	235,922	0.8
Reproductive and Child Health Services	6,191,278	21.8
Control of Communicable diseases	4,014,289	14.1
Control of Non communicable diseases	605,165	2.1
Public Health or RCH Education/training	96,687	0.3
Drugs control	138,058	0.5
Other public health activities	47,983	0.2
Health Administration	1,302,097	4.6
Capital Expenditure	285,301	1.0
Medical Education and training of Health personnel	3,374,290	11.9
Research and development	3,167,287	11.1
Food Adulteration Control	58,892	0.2
Function not specified in budget	77,359	0.3
Total	28,463,725	100.0

Classification of public health expenditure for the year 2001-02 by function indicated that 53 percent had been utilized for primary care services, 23.6 percent in tertiary care services and 5 percent in secondary care services. (Table 2.1.5).

Table 2.1.5: Health expenditure by MOHFW by function, 2001-02

Health Care Function	Exp in Rs (000)	% distribution
1. Tertiary care services	6,708,338	23.6
2. Secondary care services	1,433,994	5.0
3. Primary Care services		
(a) PHC / Subcentres/ Dispensaries etc	3,629,141	12.7
(b) Public Health programs	5,060,234	17.8
(c) Reproductive and Child Health Programs	6,221,415	21.9
(d) Rehabilitative care	177,270	0.6
Total (3)	15,088,060	53.0
4. Direction and Administration	1,302,097	4.6
5. Health statistics research and evaluation and training	3,178,353	11.2
6. Medical Stores Depot and drug manufacture	391,975	1.4
7. Capital expenditure	285,301	1.0
8. Medical reimbursements to employees	1,248	0.0
9. Function not specified in budget	74,359	0.2
Total	28,463,725	100.0

2.1.2 Health Expenditure by State Governments

Health expenditure by state governments is summarized and presented in table 2.1.6. The total health expenditure by state governments was Rs. 173,095 million. This includes external support, grants from central government to states and public receipts resulting in the actual budgetary support from state governments at Rs 132, 709 million. Out of the total health expenditure by state government Rs 126,371 million has been incurred by state departments of health and the remaining Rs 6,337 million by other state departments. The latter expenditure has been mainly spent on providing medical benefits to state government employees.

Table 2.1.6 Health expenditure by State Government and source of funds, 2001-02

	Total Health Exp (in Rs000s)	Source of funds (in Rs 000s)				
		Budgetary support from central government		Direct External Aid	Public receipts	State Budget funds [#]
		Non EAC Component	EAC Component			
State Dept of Health and Family Welfare	166,757,203	7,408,770	24,425,936	2,389,555	6,161,318	126,371,624
Other State govt. departments	6,337,441	—	—	—	—	6,337,441
Total	173,094,644	7,408,770	24,425,936	2,389,555	6,161,318	132,709,065

Obtained by deducting central budget support, direct external aid and public receipts from total health expenditure

Note: total amount flown from central state budget that was tracked from central and state budget documents was Ra 10,783- million. The difference of Rs 2,958 million was deducted from the state government contribution.

It is observed that 84.9 percent of the State Government health expenditure was incurred under allopathic system as against 6 percent under Indian system of medicine (Table 2.1.7). By provider classification, 50.1 percent State health expenditure owed to Hospitals/Dispensaries/PHCs/Sub Centres followed by 14.7 percent in public health and RCH programmes (Table 2.1.8)

Table 2.1.7: Expenditure by State Department of health by system of medicine in India, 2001-02

System of Medicine	Expenditure (in Rs 000)	% Distribution
Allopathic	141,584,418	84.9
Indian System of Medicine	10,079,846	6.0
Information not specified in the budgets ¹	15,092,939	9.1
Total	166,757,203	100.0

¹ Mostly allopathic system. Information to be compiled from other sources like ESIS, CGHS, Medical reimbursements

Table 2.1.8: Health Expenditure by State department of health by type of provider, 2001-02

Health care provider	Expenditure (in Rs 000)	% Distribution
(a) Public providers		
Hospitals	55,162,076	33.1
Dispensaries/PHCs/Sub centres	28,425,398	17.0
Family Welfare Centres	12,543,155	7.5
Public health labs, blood banks ambulances etc	734,546	0.4
Medical stores and drug manufacture	2,794,227	1.7
Public Health & RCH Programmes	24,537,093	14.7
Public Health & RCH training	1,360,170	0.8
Medical Education and Research	14,843,618	8.9
ESI Facilities	5,455,149	3.3
Health education	503,988	0.3
General Health Administration	8,303,783	5.0
(b) Medical reimbursements & compensations	71,369	0.1
(c) GIC Insurance providers	39,986	0.0
(d) NGO Providers	2,639,189	1.6
(e) Others not specified in the budget	9,343,456	5.6
Total	166,757,203	100.0

Classification of State health expenditure in India for the year 2001-02 by function indicated that 47.6 percent had been utilized under curative care services, 12.2 percent in reproductive and child care services followed by 8.7 percent towards Medical Education and training of Health personnel. (Table 2.1.9).

Table 2.1.9: Health Expenditure by State Government by Functions (ICHA), 2001-02

Health Care Functions (ICHA)	Expenditure (in Rs 000)	% Distribution
Services of Curative Care	79,323,699	47.6
Rehabilitative or long term nursing care	249,394	0.2
Ancillary services & therapeutic appliances	3,201,296	1.9
Reproductive and Child Health Services	20,414,980	12.2
Drugs control	449,509	0.3
Nutritional Programme of State Dept. of Health	220,241	0.1
Control of Communicable diseases	10,350,883	6.2
Control of Non communicable diseases	716,559	0.4
Public Health or RCH Education/training	805,020	0.5
Other public health related activities	2,245,688	1.3
Health Administration	14,017,747	8.4
Capital Expenditure	7,767,792	4.7
Medical Education and training of Health personnel	14,484,698	8.7
Research and development	294,097	0.2
Food Adulteration	305,875	0.2
Function from other sources	11,866,691	7.1
Not specified	43,034	0.0
Total	166,757,203	100.0

Table 2.1.10: Health expenditure by State governments by classification, 2001-02

Health Care Function	Exp in Rs (000)	% Distribution
1. Tertiary care services	35,228,443	21.1
2. Secondary care services	32,349,191	19.4
3. Primary Care services		
(a) PHC / Subcentres/ Dispensaries etc	25,881,711	15.5
(b) Public Health programs	14,863,908	8.9
(c) Reproductive and Child Health Programs	21,462,217	12.9
(d) Rehabilitative care	23,128	0.0
Total (3)	62,230,964	37.3
4. Direction and Administration	13,994,611	8.4
5. Health statistics research and evaluation and training	229,665	0.1
6. Medical Stores Depot and drug manufacture	2,832,379	1.7
7. Capital expenditure	7,725,599	4.7
8. Medical reimbursements to employees	47,479	0.0
9. Function not specified in budget	12,118,871	7.3
Total	166,757,203	100.0

2.1.3. Local Governments

There are 2.47 lakh Panchayati Raj Institutions (PRIs) and 3682 Urban local bodies (ULBs) in India (TFC 2005). Unlike in the case of Central and State Governments, where one can get expenditure information on all activities (including health) from respective budget documents, there is no system/agency at national or even state level which consolidates data on details of expenditure incurred by local bodies on an annual basis. Hence a study was commissioned by the NHA Cell to fill this data gap and to arrive at estimates of health expenditure incurred, in the manner required for NHA.

Table 2.1.11: Total health expenditure by source of funds, 2001-02

	Total Health Expenditure (Figure in 000's)			% distribution of exp		
	PRIs	ULBs	Total	RLBs	ULBs	Total
(a) Local Bodies funds						
Own revenue	3,253,049	8,547,695	11,800,744	21.3	51.8	37.1
Loans, advances etc	1,485,756	1,210,054	2,695,810	9.7	7.3	8.5
Total (a)	4,738,805	9,757,749	14,496,554	31.0	59.1	45.6
(b) Central/State Govt Grants	10,542,658	6,744,966	17,287,624	69.0	40.9	54.4
Total expenditure (a) + (b)	15,281,463	16,502,715	31,784,178	100	100	100

The estimate of health expenditure based on the NHA study on health financing by local governments is presented in this section. (Table 2.1.11 to Table 2.1.15). The total health expenditure incurred by local government during the period under reference was Rs 31,784 million, of which Rs 17,287 million was from Central/ State Government grants, while the remaining expenditure of Rs 14,496 million was treated as from the funds generated by local bodies themselves (Table 2.1.11).

The total health expenditure of Panchayati Raj Institutions was Rs 15,281 million and that of urban local governments Rs 16,503 million. Health expenditure by type of local bodies is given in table 2.1.12.

National Health Accounts : India, 2001-02

Table 2.1.12: Details of health expenditure by type of local governments, 2001-02 (Figure in 000's)

Type of local body	Total Expenditure	Total Health Expenditure	Health expenditure from own resources	Health exp as a % total exp
Rural Local Bodies (RLBs)				
1. Zilla Panchayat	142,212,542	7,026,509	2,344,367	4.94
2. Intermediate Panchayats	90,749,245	5,686,854	1,782,922	6.27
3. Gram Panchayats	39,660,410	2,568,100	611,515	6.48
Total RLBs	272,622,197	15,281,463	4,738,805	5.61
Urban Local Bodies (ULBs)				
1. 7 Major Municipal Corporations\$	101,144,328	8,423,670	2,535,966	8.33
2. Other Municipal Corporations	51,536,325	2,753,330	2,230,523	5.34
3. Municipalities	54,064,912	4,658,152	4,592,062	8.62
4. Nagar Panchayats	9,916,872	667,563	399,198	6.73
Total ULBs	216,662,437	16,502,715	9,757,749	7.62
Grant Total	489,284,634	31,784,178	14,496,554	6.50

\$ 7 of the largest municipal corporations were self selected in the sample survey and the health expenditure data presented is from their budget data, for others it is estimated expenditure.

Table 2.1.13: Health Expenditure of local governments by type of provider, 2001-02

	Urban Local Bodies		PRIs		Total	
	Exp in Rs		Exp in Rs		Exp in Rs	
Health Care Providers	(000's)	% Dist	(000's)	Percent	(000's)	Percent
Hospitals owned by local body	3,521,525	21.34	759,252	4.97	4,280,77	13.5
Dispensary owned by local body	219,789	1.33	5,374	0.04	225,162	0.7
State Govt Hospitals/CHC	2,966,679	17.98	1,681,440	11.00	4,648,120	14.6
Others	114,888	0.70	0	0.00	114,888	0.4
Primary Health Centres			1,535,509	10.05	1,535,509	4.9
Sub Centres			543,231	3.55	543,231	1.7
Other Govt			23,690	0.16	23,690	0.1
NGO facility	4,747	0.03	8,652	0.06	13,399	0.0
Public health labs, ambulances etc	82,672	0.50	79,291	0.52	161,963	0.5
Medicines	136,046	0.82	664,977	4.35	801,023	2.5
Public health activities	4,014,792	24.32	5,110,659	33.44	9,125,451	28.7
School Health Services/Nutritional Programme	37,234	0.23	510,124	3.34	547,358	1.7
Training of health personnel	8		9,084	0.06	9,092	0.0
Public Health Education Activities	626	0.00	174,181	1.14	174,808	0.5
MCH Services including IEC	158,048	0.96	152,692	1.00	310,740	1.0
Family Planning Services including IEC	394,311	2.39	2,459,468	16.09	2,853,778	9.0
General health Administration	4,414,409	26.75	1,294,794	8.47	5,709,203	18.0
Medical Education	390,008	2.36	32,942	0.22	422,949	1.3
Medical re-imbursement to staff	46,933	0.29	236,103	1.54	283,036	0.9
Total	16,502,715	100.00	15,281,463	100.00	31,784,178	100.0

Table 2.1.14: Health expenditure of local Govt. by type of function, 2001-02

Functions	ULBs		PRIs		Total	
	Exp in Rs (000's)	Percent	Exp in Rs (000's)	Percent	Exp in Rs (000's)	Percent
Curative care services	6,827,627	41.4	4,557,147	29.8	11,384,774	35.8
Control of communicable diseases and other public health programmes	2,334,040	14.1	5,373,931	35.2	7,707,971	24.3
Maternal health, family planning & immunisations activities	552,359	3.3	2,612,160	17.1	3,164,519	10.0
Public health lab, ambulance etc	82,672	0.5	79,291	0.5	161,963	0.5
Prevention of food adulteration	48,673	0.3	466,165	3.1	514,838	1.6
Drug control	294,969	1.8	66,545	0.4	361,514	1.1
Registration of birth and deaths	791,822	4.8	14,832	0.1	806,654	2.5
Capital expenditure on health care	701,606	4.3	753,982	4.9	1,455,588	4.6
General health Administration	4,478,931	27.1	1,315,384	8.6	5,794,315	18.2
Medical Education	390,008	2.4	32,942	0.2	422,950	1.4
Training of health personnel/staff	8	0.0	9,084	0.1	9,092	0.0
Total	16,502,715	100	15,281,463	100	31,784,178	100

2.2. Private Sector Expenditure

2.2.1. Household Expenditure on Health Care Services

The total expenditure incurred by households on health care activities is Rs 760,939 million. Out of this 98 percent is out of pocket expenditure on health services. This includes household payment made for utilizing health care services delivered by government, private sector and NGOs. (Table 2.2.1).

Table 2.2.1: Health Expenditure by households in India, 2001-02

Type of payment by household	Expenditure (in Rs 000)	% Distribution
(1) Out of pocket payments for medical care #	748,783,126	98.4
(2) Health insurance premiums \$		
CGHS	417,588	0.1
ESIC	5,442,614	0.7
GIC Companies	5,358,800	0.7
Private insurance companies	31,837	0.0
Total (2)	11,250,839	1.5
(3) Donations in kind to NGOs @	905,142	0.1
Grand Total (1) + (2) + (3)	760,939,107	100.0

Based on health surveys for methodology details see appendix I.

\$ Data compiled from offices of respective insurance providers

@ estimate based on NHA study on NGOs undertaken on behalf of MOHFW

Total health insurance premiums paid by individuals/households was rupees 11,252 million. The donations in kind given by the households for enrolling in health insurance schemes was rupees 760,939 million. (Table 2.2.1).

Table 2.2.2: Household expenditure on health care services, 2001-02

Type of health expenditure	Expenditure (in Rs 000)	% Distribution
Outpatient Care	504,073,660	66.2
Inpatient Care	135,775,203	17.8
Delivery	60,628,932	8.0
ANC Services	12,625,604	1.6
Abortion & still births	5,223,740	0.7
Immunisation	1,248,147	0.2
Family Planning	13,389,819	1.8
Medical attention at death	15,818,021	2.1
Premiums for health Insurance schemes	11,250,839	1.5
Others (Donations to NGOs)	905,142	0.1
Total	760,939,107	100

Classification of private health spending in India for the year 2001-02 by function pointed that 87.7 percent had been utilized under curative care services while 12.3 percent in prevention and public health services (Table 2.2.3). Further, private health expenditure in primary care services (curative) reflected 48.1 percent compared to 24.1 percent in Secondary care services and 15.5 percent in tertiary services. (Table 2.2.4).

Table 2.2.3: Health Expenditure incurred by households by health care functions (ICHA), 2001-02

Function	Expenditure (in Rs 000)	% Distribution
Services of curative care services	667,370,294,131	87.7
Prevention and public health services \$	93,568,812,821	12.3
Total#	760,939,106,952	100.0

\$ Includes expenditure on immunization and maternity and family planning related events

Table 2.2.4: Health Expenditure incurred by households by primary secondary and tertiary care functions, 2001-02

Function	Expenditure (in Rs 000)	% Distribution
Tertiary care services	117,894,986	15.5
Secondary care services	183,558,016	24.1
Primary care services (curative)	366,369,863	48.1
Primary care services (Maternity, Immunisation, and family Planning)	93,116,242	12.3
Total	760,939,107	100.0

2.2.2 Insurance Providers

Data on health expenditure by social and private insurance providers have been compiled from various sources as mentioned below:

2.2.2.1 Employee State Insurance Scheme (ESIS)

The following disaggregated information based on documents and Annual reports of ESIC and data from state budget documents, is presented in Table 2.2.5:

Table 2.2.5: Source of Funds for Employees State Insurance Scheme , 2001-02

Source	Amount in Rs 000's
(a) Contributions received by ESIC¹	
Employers Contributions	9,124,374
Employees Contributions	3,374,768
Sub Total (a)	12,499,142
(b) Own resources of ESIC	
Interest & Dividend	3,972,795
Fees, Fines and Forfeitures	30,788
Rent, Rates and Taxes	569,623
Other Income	229,575
Sub Total (b)	4,802,781
(c) State governments contribution to ESIS²	5,454,915
Total funds ESIC {(a) + (b)}	17,301,923
Total fund ESIS {(a) + (b) + (c)}	22,756,838
Net expenditure under ESIS {(a) + (c)}³	17,954,057

Source: (a) & (b) from ESIC Annual report 2001-02 & (c) Compiled from state budgets (Demand for grants 2003-04)

(1) Out of total contributions 27% comprises share of employees and 73% is share of employers. (2) State government contribution to ESIS does not come to ESIC. (3) In NHA we have included this figure as expenditure under ESIS

Table 2.2.6 : Health Expenditure under Employees State Insurance Scheme, 2001-02

Expenditure	Amount in Rs 000's
(a) ESIC Expenditure	
Medical benefits	5,433,744
Cash Benefits	3,001,594
Other Benefits to subscribers	7,781
Administration	1,764,352
Contribution to capital construction fund	624,957
Repairs and maintenance of buildings	208,776
Total (a)	11,041,204
(b) Expenditure incurred by state government	5,454,915
(c) Others¹	1,457,938
Total	17,954,057

Source : a ESIC annual report & (b) from state budget documents

1 Difference between contribution from employee, employer & state government contribution and net expenditure under ESIS

2.2.2.2 Central Government Health Scheme

CGHS for the year 2001-02 incurred an expenditure of Rs. 3565 million of which 46.4 percent was attributed to supplies and materials, 18.4 percent to professional services and 35.2 percent to general health administration (Table 2.2.7).

Table: 2.2.7 Details of Health Expenditure by CGHS, 2001-02

Health expenditure item	Expenditure (in Rs 000s)	% Dist
1. Professional Services (Reimbursement of Private Hospitals)	657,699	18.4
2. Supplies and Materials		
Local Panel Chemists	1,537,826	43.1
Medical Stores Organisation	116,032	3.3
Total (2)	1,653,858	46.4
3. General Health Administration	1,253,384	35.2
Total CGHS Health Expenditure	3,564,941	100.0

Source : CGHS

2.2.2.3 GIC Companies and private insurance providers

Health insurance data collected and compiled from GIC companies and selected non-life insurance companies listed on the Insurance Regulatory and Development Authority (IRDA) website have been captured in the table 2.2.8.

Table 2.2.8: Premiums collected and claims settled by health insurance providers, 2001-02

Health insurance provider	Premiums Collected (in Rs 000s)	Claims Settled (in Rs 000s)
(a) GIC Companies		
1. United India Insurance Co. Ltd	1,529,700	1,510,600
2. National Insurance Co. Ltd	1,961,700	1,570,800
3. New India Assurance Co. Ltd	2,706,700	1,898,700
4. Oriental Insurance Co. Ltd	1,513,900	1,426,300
Total (a)	7,712,000	6,406,400
(b) Private health Insurance providers		
5. Bajaj Allianz	31,686	2,542
6. IFFCO - Tokio General Insurance Co. Ltd	97,367	8,971
7. ICICI Lombard	18,876	1,279
8. Royal Sundaram Alliance	28,838	2,079
9. Reliance General Insurance	24,998	14
10. Cholamandalam MS General Insurance Co. Ltd	*	*
11. HDFC - Chubb General Insurance Co. Ltd	*	*
Total (b)	201,765	14,885
Total	7,913,765	6,421,285

* health insurance schemes were started in the year 2002-03

Table 2.2.9: Premium collected and claims settled by health insurance companies, 2001-02

Type of insurance collected	Figures in rupees thousands		
	Premium	Claims settled administration	Exp on Insurance
(a) GIC Companies			
Group insurance	2,353,200		
Individual insurance	5,358,800		
Total (a)	7,712,000	6,406,400	1,739,840
(b) private Insurance companies			
Group Insurance	169,928		
Individual Insurance	31,837		
Total (b)	201,765	14,885	80,987

2.2.3 Business Firms

Health Expenditure by Firms in public and private sector extracted from the Report of the National Commission on Macro Economics and Health (NCMH 2005) and from NHA study on health financing by NGOs, is given in table below. The estimated Health expenditure by public and private firms for the year 2001-02 was rupees 56,365 million constituting 57.8 percent by private firms, 36.2 percent by public enterprises 4.4 percent by public sector banks and 1.6 percent by private firms donated to NGOs (Table 2.2.10).

Table: 2.2.10: Health expenditure by firms, 2001-02

Type expenditure	Expenditure in Rs 000s	% Dist
Public enterprises for employees and dependents ¹	20,432,000	36.2
Private firms for employees and dependents ¹	32,578,000	57.8
Public sector banks for employee and dependents ¹	2,450,000	4.4
Donations by private firms to NGOs ²	905,142	1.6
Total	56,365,142	100

1 from Report of National Commission on Macro Economics and Health (2005). Figures for public enterprises exclude expenditure by state PSUs.

2 Based on NHA study on Health financing by NGOs undertaken on behalf of MOHFW

2.2.4 Non - Government Organizations

Estimates of health expenditure by NGOs based on data pooled from various sources is presented below.

Table 2.2.11: Source of funds for health care provided by NGOs in India, 2001-02

Source of fund	Amount in Rs 000s	% Dist
Grants from Government ¹	5,400,845	26.7
Donations from individuals/households ²	905,142	4.5
Donations from private firms ²	101,020	0.5
Grants from Indian funding agencies	224,265	1.1
Own revenue of NGOs (rents, interest on deposits etc) ²	575,518	2.8
User charges in hospitals and dispensaries owned by NGOs ²	7,849,280	38.9
External Assistance (FCRA Contribution) ³	5,147,996	25.5
Total	20,204,066	100

¹ Based on data from Central & State Budget documents and NHA study on Local Governments

² Estimate based on NHA Study on Health Financing by NGOs

³ Receipt of Foreign Contribution by Voluntary Associations Annual Report 2001-02, Ministry of Home Affairs

The table 2.2.11 indicates that total health expenditure by NGOs during 2001-02 was estimated at Rs 20,204 million. About 39 percent of it had been raised through provision of curative care services (User charges/ reimbursements from health insurance companies). The grants from Central/ State/Local governments accounted for 27 percent of their expenditure, while external aid accounted for 26 percent of their expenditure. Remaining funds were generated from NGOs own revenue, grants from Indian funding agencies and through donations from private firms and individuals. Further details on use of these funds by NGOs is presented in table 2.2.12.

Table 2.2.12 Health expenditure by NGOs by Function, 2001-02

Health care function	Amount in Rs 000s	% Dist
Curative Care Services	8,302,681	41.1
Medical Goods/Pharmacy Services	1,818,548	9.0
Ancillary Care Services	992,119	4.9
Rehabilitative Services	1,091,129	5.4
Communicable Disease Control Activities	3,000,604	14.8
Non Communicable Disease Control Activities	478,884	2.4
Reproductive and Child Health Related activities	1,369,973	6.8
Testing of Food/Water	10,103	0.1
Medical Education & Research	1,582,137	7.8
Capital Expenditure	480,905	2.4
Health Administration & Health Insurance	4,041	0.0
Functions not specified	1,072,943	5.3
Total	20,204,066	100

Source: Based on NHA Study on Health Financing by NGOs undertaken on behalf of MOHFW

2.3 External Support

The government as well as NGOs receive external support for carrying out health activities in the country. The data on external assistance to state and central government was compiled from the central and state budget documents (Table 2.3.1). Total external support received during the year was rupees 24,847 million and the major share (70 percent) of this assistance was through the MOHFW budget.

Table 2.3.1: External Support to Health Sector in India, 2001-02

Type of external assistance	Amount in Rs 000s	% Dist
1. Aid to Central Govt Government (MOHFW Budget) ¹	16,483,158	66.4
2. Material Aid to Central Government (MOHFW Budget) ²	825,937	3.3
3. Aid to State Govt (State Budgets) ³	2,389,555	9.6
4. To NGOs (Foreign Contributions under FCRA) ⁴	5,147,996	20.7
Total external assistance	24,846,646	100

¹ External Aid component shown under heads, 2210, 2211, 4210, 4211 and 3601

² External Aid component shown under head 3606

³ External Aid component shown under heads, 2210, 2211, 4210 in state budgets

⁴ Receipt of Foreign Contribution by Voluntary Associations Annual Report 2001-02, Ministry of Home Affairs

Table 2.3.2 gives uses of funds received from external agencies by NGOs. It can be seen that a large part of the external support to NGOs is for carrying out Maternal and Child Health and family Planning Services (38 percent). Sizeable proportion of these funds are also for capital formation in NGOs and for activities relating to control of communicable diseases.

Table 2.3.2: External Support to NGOs (under FCRA) by health care functions, 2001-02

Activity supported	FCRA Contributions (in Rs '000)	% Dist
Maternal and Child Health and Family Planning Counseling	1,973,608	38.3
Capital Formation for Health Care Providers	1,457,704	28.3
Services of Long Term Nursing Care	276,217	5.4
Prevention of Communicable Diseases	1,287,622	25.0
Pharmaceuticals, Therapeutic appliances and medical durables	145,069	2.8
Rehabilitative Care	7,776	0.2
Total	5,147,996	100

Source: Receipt of Foreign Contribution by Voluntary Associations Annual Report 2001-02 Ministry of Home Affairs

CHAPTER III

NHA ESTIMATES

This section gives details about the flow of resources in health sector using the NHA framework. The health expenditure presented in the earlier sections were based on the budgets of financing entities, which analyses the total expenditure incurred by them in the year 2001-02. Here expenditure data often overlap due to transactions between these entities. In this chapter we present the data by financing sources, financing agents, providers and functions as per the NHA framework presented in Appendix I. This NHA classification enables an understanding of the net expenditure incurred by each of the entities/functions.

3.1 Health Expenditure by Financing Sources

3.1.1 The institutions or entities that provided the funds for health care during 2001-02 are given in Table 3.1. In the year under reference, Rs. 1,057,341 million was provided for health care expenditure. As a proportion to total, provision from Central Government was 6.4 percent, State Governments 12.6 percent, Urban Local Bodies and Panchayati Raj Institutions 1.3 percent, households 72 percent, firms 5.3 percent and external support 2.3 percent.

Table 3.1: Health Expenditure by Financing Sources, 2001-02

Financing Source	Exp. in Rs millions	% Distribution
Central Government	67,185	6.4
State Government	132,708	12.6
Urban Local Bodies and Panchayat Raj Institutions	14,497	1.3
Households	760,939	72.0
Firms	56,365	5.3
NGOs	800	0.1
External Support	24,847	2.3
Total Health Expenditure	1,057,341	100.0

3.2 Health Expenditure by Financing Agents

3.2.1 Financing agents are the institutions or entities that channel the funds provided by financing sources to pay for activities inside the health account boundary. Out of total health expenditure in the year 2001-02, 70.4 percent was canalized by households followed by 13.6 percent by State Governments, 3 percent by local bodies and 2.5 percent by Central Government. Details are in Table 3.2.

Table 3.2: Health Expenditure by Financing Agents, 2001-02

Financing Agent	Exp. in Rs millions	% Distribution
Ministry of Health and Family Welfare	24,629	2.3
Other Central Ministries/Department	2,132	0.2
State Government Department of Health	141,699	13.4
Other State Ministries/departments	2,311	0.2
Urban Local Bodies and Panchayat Raj Institutions	31,784	3.0
Social Security Funds	790	0.1
Central Government Employee Schemes	25,797	2.4
State Govt. employee schemes	5,119	0.5
Employees State Insurance Schemes	17,954	1.7
Public health Insurance providers (GIC Companies)	7,823	0.7
Private health Insurance providers	202	0.0
Households	744,225	70.4
NGOs	8,540	0.8
Private firms and public firms	44,336	4.3
Total funds provided	1,057,341	100

3.3 Health Expenditure by Health Care Providers

3.3.1 Health care providers mainly comprise hospitals, nursing and residential care facilities, out patient care centers, laboratory and ambulance services, health education and research, retail sale of medical goods, health insurance facilities etc. In the total health expenditure of the country during 2001-02, public providers accounted for a share of 22.9 percent as against 69.6 percent by private providers. Share of providers from NGOs sector were 1.9 percent (Table 3.3).

Table 3.3: Health Expenditure by Health Care Provider, 2001-02

Provider	Exp. in Rs millions	% Distribution
(a) Public providers		
Public Hospitals	69,314	6.5
Dispensaries/PHCs/Sub centre	30,207	2.9
Family Welfare Centres	12,565	1.2
Public health labs, blood banks ambulances etc	768	0.1
Medical stores and drug manufacture	4,446	0.4
Public Health & RCH Programmes	41,161	3.9
Public Health & RCH training	2,423	0.2
Medical Education and Research	20,941	2.0
ESI Facilities	16,496	1.6
CGHS/ Employee related facilities	30,916	2.9
Health education	833	0.1
General Health Administration	11,990	1.1
Total (a)	242,060	22.9
(b) Providers in NGO sector	20,190	1.9
(c) Private provider of health services	736,376	69.6
(d) Others not specified	58,715	5.6
Total expenditure	1,057,341	100.0

3.4 Health Expenditure by Health Care Functions

3.4.1 Classification of functions relate to the types of goods and services provided and activities performed within the health accounts boundary. Curative care services formed 74 percent of total national spending during 2001-02. Productive and child health care services accounted for 11.3 percent, control of communicable diseases 1.4 percent and medical education and training of health personnel 1.8 percent (Table 3.4).

Table 3.4: Health Expenditure by Health Care Functions (ICHA), 2001-02

Function (ICHA)	Exp. in Rs millions	% Distribution
Services of Curative Care	781,968	74.0
Ancillary services related to curative care	8,055	0.7
Rehabilitative or long term nursing care	850	0.1
Reproductive and Child Health Services	119,327	11.3
Control of Communicable diseases	15,227	1.4
Control of Non communicable diseases	2,633	0.2
Public Health or RCH Education/training	752	0.0
Drugs control	950	0.1
Other public health activities	7,562	0.7
Health Administration ¹	32,751	3.1
Capital Expenditure ¹	12,192	1.2
Medical Education and training of Health personnel	18,699	1.8
Research and development	3,954	0.4
Food Adulteration Control	885	0.1
Function information not available	51,536	4.9
Total expenditure	1,057,341	100

¹ Disaggregated information not available in the case of private health care providers, where every expenditure added under the head curative health care services

Table 3.5: Health Expenditure by Health Care Functions, 2001-02

Health Care Function	Exp. in Rs millions	% Distribution
1. Tertiary care services	156,391	14.8
2. Secondary care services	219,524	20.8
3. Primary Care services		0.0
Primary Health Centres / Sub Centres/ Dispensaries etc	384,823	36.4
Public health programs	22,944	2.2
Reproductive and Child Health Programs	119,845	11.3
Rehabilitative care	204	0.0
Total (3)	527,815	49.9
4. Direction and Administration ¹	26,452	2.5
5. Health statistics research and evaluation and training	9,245	0.9
6. Medical Stores Depot and drug manufacture	4,585	0.4
7. Capital expenditure ¹	9,286	0.9
8. Medical reimbursements to employees	11,067	1.0
9. Function information not available	92,976	8.8
Total expenditure	1,057,341	100

¹ Disaggregated information not available in the case of private health care providers, where expenditure incurred is distributed across primary/secondary and tertiary care services

3.5 NHA Matrices

The following two way tables given in the *Guide to Producing National Health Accounts* have been generated in the first stage for India, which gives further details of the flow of financial resources through the Indian health system.

Table 3.6 Financing source by financing agent (FS X FA)

Table 3.7 Health Expenditure by Financing agent and type of provider

Table 3.8 Health Expenditure by Financing agent and ICHA functions

Table 3.9 Health Expenditure by Primary/Secondary/ Tertiary Care Services

TABLE 3.6: TOTAL HEALTH EXPENDITURE BY TYPE OF FINANCING SOURCE AND TYPE OF FINANCING AGENT
(FSxFA) (Figures in millions of rupees)

Financing Agents		Financing Sources										Total
		Central Govt		State Govt.								
		MOHFW	Other Central Ministries	State Dep. of Health	Other State Dept	PRIs & ULBs	Households	NGOs	Firms	External Agencies		
	MOHFW	14,247		0			482			9,900	24,629	
	Other Central Ministries	72	2,060								2,132	
	State Department of Health	23,696		104,105	6		4,093			9,799	141,699	
	Other state departments		713	383	1,215						2,311	
	PRIs & ULBs			17,287		14,497					31,784	
	Social Security Funds	3	324	437	26						790	
	CGHS/ Central Empl. Schemes	3,494	21,885	1			417				25,797	
	State Govt employee schemes		18	23	5,078						5,119	
	ESIS			3,106			5,443		9,405		17,954	
	GIC Companies	71		40			5,359		2,353		7,823	
	Other Private Insuranc						32		170		202	
	Households			5	12		744,208	NA			744,225	
	NGOs	602		984			905	800	101	5,148	8,540	
	Private firms and public firm								44,336		44,336	
	Total funds provided	42,185	25,000	126,371	6,337	14,497	760,939	800	56,365	24,847	1,057,341	

**TABLE 3.7: TOTAL HEALTH EXPENDITURE BY TYPE OF FINANCING AGENT AND PROVIDER
(FAXP) (Figures in millions of rupees)**

	Financing Agent													Total
	MOHFW	Other Central Ministries	State Dept of Health	Other State Dept	PRIs & ULBs	Social security funds	ESIS	CGHS/ Central Govt. employee schemes	State Govt. employee schemes	Insurance companies	House holds	NGOs	Firms	
Provider														
(a) Public providers														
Public Hospitals	5,010	522	54,277	576	8,929									69,314
Dispensaries/PHCs/Sub centre		225	27,400	246	2,328	8								30,207
Family Welfare Centres	30		12,535											12,565
Public health labs, blood banks ambulances etc	249	16	342		162									768
Medical stores and drug manufacture	120	351	2,645	1,330										4,446
Public Health & RCH Programmes	9,890	159	20,890	62	10,158	2								41,161
Public Health & RCH training	1,062	4	1,357											2,423
Medical Education and Research	5,235	708	14,571	4	423									20,941
ESI Facilities	0		0				16,496							16,496
CGHS/Employee related facilities								25,797	5,119					30,916
Health education	320	25	487											833
General Health Administration	568	63	5,540	25	5,794									11,990
(b) Providers in NGO sector	2,146		1,655								7,849	8,540		20,190
(c) Private provider of health services											736,376			736,376
(d) Others not specified		58		68	3,990	780	1,458			8,025			44336	58,715
Total expenditure	24,629	2,132	141,699	2,311	31,784	790	17,954	25,797	5,119	8,025	744,225	8,540	44,336	1,057,341

Note : Marginal Variations in matrix totals are due to rounding off figures.

TABLE 3.8: TOTAL HEALTH EXPENDITURE BY TYPE OF FINANCING AGENT AND ICHA FUNCTIONS
(FaxF) (Figures in millions of rupees)

	Financing Agent														Total
	MOHFW	Other Central Ministries	State Dept of Health	Other State Dept	PRIs & ULBs	Social security funds	ESIS	CGHS/ Central Govt. employee schemes	State Govt. employee schemes	Insurance companies	House-holds	NGOs	Firms		
Function (ICHA)															
Services of Curative Care	4,847	603	75,559	1,213	11,385	454	8,653	17,147	5,114	4,713	651,941	339		781,968	
Ancillary services related to curative care	433	367	3,031	951	162			2,848				262		8,055	
rehabilitative or long term nursing care	236		207	42	5							360		850	
Reproductive and Child Health Services	6,142	7	15,178		3,165			24			92,284	2,528		119,327	
Control of Communicable diseases	4,014	18	7,956	10	1,588							1,641		15,227	
Control of Non communicable diseases	542	9	554		1,457							71		2,633	
Public Health or RCH Education/training	97	25	619	2	9									752	
Drugs control	138	1	450		362									950	
Other public health activities	48	12	1,906	29	5,465	1		22				79		7,562	
Health Administration	1302	168	13,347	47	5,794	323	3,221	5,206	5	3,312		25		32,751	
Capital Expenditure	285	206	7,757	14	1,456		625					1,849		12,192	
Medical Education and training of Health personnel	3,259	313	14,287		423							417		18,699	
Research and development	2,820	396	296	2	0							440		3,954	
Food Adulteration Control	59	5	306		515									885	
Function information not available	408	1	244	1		11	5,455	550	1			529	44,336	51,536	
Total expenditure	24,629	2,132	141,699	2,311	31,784	790	17,954	25,797	5,119	8,025	744,225	8,540	44,336	1,057,341	

Note : Marginal Variations in matrix totals are due to rounding of figures.

**TABLE 3.9 TOTAL HEALTH EXPENDITURE BY TYPE OF FINANCING AGENT AND FUNCTION
(FAXF) (Figures in millions of rupees)**

Health Care Function	Financing Agent													Total
	MOHFW	Other Central Ministries	State Dept of Health	Other State Dept	PRIs & ULBs	Social security funds	ESIS	CGHS/ Central Govt. employee schemes	State Govt. employee schemes	Insurance companies	House-holds	NGOs	Firms	
1. Tertiary care services	6,941	313	32,914		423	445					115,355			156,391
2. Secondary care services	1,418	339	28,963	516	8,929						179,358			219,524
3. Primary Care services														
Primary Health Centres /Subcentres/ Dispensaries etc	101	285	23,052	204	2,456	9					358,716			384,823
Public health programs	4,993	43	13,980	144	3,754	4		26						22,944
Reproductive and Child Health Programs	6,172	29	19,655		3,165			28			90,795			119,845
Rehabilitative care	177		22		5									204
4. Direction and Administration	1,302	168	12,685	39	5,803	318		6,136						26,452
5. Health statistics research and evaluation and training	2,831	396	218	5	5,794									9,245
6. Medical Stores Depot and drug manufacture	332	351	2,529	1,373										4,585
7. Capital expenditure	285	206	7,318	21	1,456									9,286
8. Medical reimbursements to employees	1		1	8				5,969	5,088					11,067
9. Function information not available	74	1	361	1		14	17,954	13,638	32	8,025		8,540	44,336	92,977
Total expenditure	24,629	2,131	141,699	2,311	31,784	790	17,954	25,797	5,120	8,025	744,225	8,540	44,336	1,057,341

Note : Marginal Variations in matrix totals are due to rounding of figures.

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APPENDIX I

SOURCES AND METHODS

The *Guide to Producing National Health Accounts* (WHO, World Bank and USAID 2003) is used as a primary reference manual for this exercise. This guide is jointly prepared by long time practitioners of the two existing health accounting methodologies ie. OECD Methodology (OECD 2000) and Harvard Methodology (Berman 1996). Some minor changes has been made to methods given in the above guide in accordance with the India's health systems characteristics.

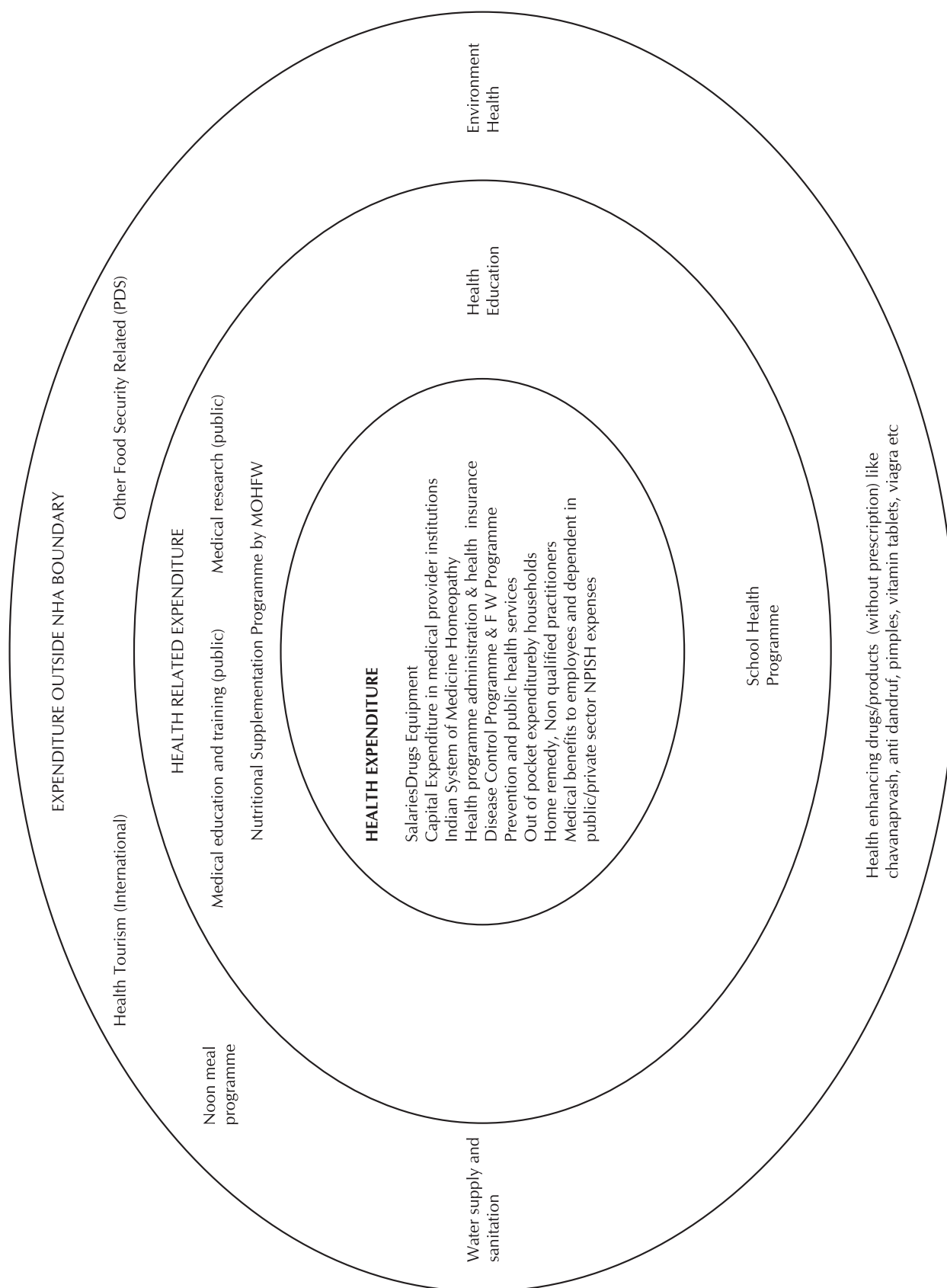
Definition and Classification of health expenditure

The usual procedure followed while setting up a system of national health accounts is to understand the transactions taking place in a country's health care system. Health accountants make use of International Classification of Health Accounts (ICHA) developed by OECD to summarize these transactions taking place in a meaningful way.

The WHO definition of health expenditure has been adopted here. According to that total health expenditure includes all expenditure whose primary purpose is to restore, improve and maintain health for nation and for individuals during a defined time period (WHO World Bank and USAID 2003). As per this definition health expenditure includes spending on curative health care services, disease prevention and reproductive and child health programmes, health promotion, administration of health services, medical education training and research and capital investment for health purpose. The items accounted for in the NHA for India are presented in the figure below. Items like water supply and sanitation, Integrated Child Development Schemes, Drug abuse etc are kept outside the boundary of Health Accounts.

In NHA, the health expenditures are measured and organized on the basis of entities (1) making expenditure, (2) managing resources and (3) using expenditure. These three entities are classified as financing sources, financing agents and providers. Entities are defined as economic agents capable of owning assets, incurring liabilities, and engaging in economic activities or transactions with other entities. They may consist of individuals, group of individuals, enterprises, government agencies, NGOs and external agencies.

Chart 1: FUNCTIONAL BOUNDARIES FOR NHA IN INDIA



Financing Sources: Financing Sources are institutions or entities that provide funds used in health care system by financing agents. They are the ones who bear expenses of financing health care in the country. The financing sources in India are:

1. Central Government
2. State Government
3. Local Governments (Urban Local Bodies and Panchayat Raj Institutions)
4. Households (out-of-pocket expenditure)
5. Firms (public & private firms providing employee medical benefits)
6. Non Profit Institutions Serving Households (NPISHs/NGOs)
7. External Aid

Further details of this classification of financing sources based on ICHA is presented in Appendix: **II (a)**

Financing Agents: Financing agents are institutions or entities that channel funds provided by financing sources and use those funds to pay for or purchase the activities given in the health accounts boundary. The financing agents in NHA India are:

1. Ministry of Health and Family Welfare
2. Other Central Government Ministries
3. State Department of Health and Family Welfare
4. Other State Departments
5. Local Governments
6. Social Security Funds
7. Insurance providers (Public/Private)
8. NGOs
9. Public/Private Firms
10. Households

Further details of the above classification of financing agents based on ICHA is presented in Appendix: **II (b)**

Providers: Providers are entities that receive money in exchange for or in anticipation of producing activities inside the health accounts boundary. The following classification of providers is used for India.

1. Hospitals and dispensaries under MOHFW
2. Hospitals and dispensaries under SDH

3. Hospitals and dispensaries under Local Bodies
4. Government hospitals and dispensaries exclusively for central and state government employees
5. Other government facilities hospitals and dispensaries as part of social insurance
6. Provision and administration of public health and RCH programmes
7. Private hospitals
8. Private dispensaries and doctors
9. Drug Outlets/shops
10. Diagnostic Centres
11. Hospitals and dispensaries under Charitable Institutions/NGOs
12. Hospitals and dispensaries under Institutions run by corporate sector
13. General Health Administration and health Insurance administration
14. Medical Education & Training Institutions
15. Research and Development Institutions

Further details of the above classification of health care providers agents based on ICHA is presented in Appendix: **II (c)**

Health Care Functions: Functions are the types of goods and services and activities provided within the health accounts boundary. Keeping in mind health policy needs and international and local level comparisons of health expenditure, the total health expenditure has been classified as per ICHA:

ICHA-HC Functional Classification of Health Care

Code	Description
	<i>Personal Health Care Services</i>
HC1	Services of curative Care
HC2	Services of rehabilitative care
HC3	Services of long term-nursing care
HC4	Ancillary services to health care
HC5	Medical goods dispensed to outpatients
	<i>Collective Health Care Services</i>
HC6	Prevention and public health services
HC7	Health Administration and Health Insurance
	<i>Health Related Functions</i>
HCR1	Capital formation of health Care Provider Institutions

HCR2	Education and Training of Health Personnel
HCR3	Research and Development in Health
HCR4	Food Hygiene and Drinking water Control
HCR5	Environmental Health
HCR6	Administration and provision of social services in kind to assist living with disease and impairment
HCR7	Administration and Provision of health related cash benefits

Further as per the NHA health policy requirements another health care function wise classification is under taken as follows.

1. Services of Primary Care (Excluding RCH and Public Health Services)
2. Services of secondary Care
3. Services of tertiary care
4. Expenditure on public health programs
5. Expenditure on RCH programs
6. General health administration
7. Capital expenditure
8. Others

More details of the above two types of classification of health care functions is presented in Appendix: **II (d) and II (e)**

NHA Matrices

The following four two way tables given in the *Guide to Producing National Health Accounts* have been generated in the first stage for India.

- ♦ Financing source by financing agent (FS X FA)
- ♦ Health Expenditure by Financing agent and type of provider
- ♦ Health Expenditure by Financing agent and ICHA functions
- ♦ Health Expenditure by Primary/Secondary/ Tertiary Care Services

Basis of Accounting for NHA

The provisional NHA figures are presented for the year 2001-02 at current prices. Estimates of health expenditure are prepared for the fiscal year starting from 1st April 2001 to 31st March 2002. These estimates are counted on the basis of cash accounting for Public Sector and accrual basis for Private Sector as private sector estimates have been prepared on the basis of sample data.

Sources of Data

One major task in NHA is to identify and compile data required to populate the NHA tables. Regarding health expenditure by the public sector, the estimates for central government and state governments are prepared on the basis of respective budget documents while that for local governments are estimated through an independent survey of local bodies. Private financing includes health expenditure incurred by households (out-of-pocket expenditure), health expenditure incurred by corporate firms on medical care for its employees and health expenditure by NGO. Data on household expenditure has been mainly based on the household survey on health care conducted by NSSO in the year 1995-96. Gaps in data on out of pocket spending on Maternal and child health services were filled using data from small scale surveys and NFHS data. Data on health financing by insurance providers were compiled from respective companies. Regarding external assistance to health sector, data was compiled from FCRA division Ministry of Home Affairs, budget documents of central and state governments and from the Aid and Accounts Division, Ministry of Finance, New Delhi. More details about the sources of data each of the entities are presented in appendix III.

Note on Estimation of Household Out of Pocket Expenditure on health Care Services

The data on household health expenditure is rather sketchy except for user fees in public sector, which can be obtained from the receipts budget documents of the central and state governments. The major sources of information on out of pocket payments are the household surveys on health expenditure. NHA estimates are mostly based on household spending on health care in 52nd Round NSSO Survey on Health care. This survey provides data on utilization of health services and expenditure on health care for any household member who was reported to be ill (non hospitalized) during 15 days prior to the survey and for those who had been hospitalized in the last 365 days. This enables us to arrive at expenditure on inpatient and outpatient treatment separately. The data set also provides information on utilization of maternity and immunization services. But since the survey does not provide information on out of pocket expenditure on maternity care and immunization services, these components have to be estimated by complementing this data set with the data like that collected from National Family Health Survey-II (1998-99) and the data on RCH accounts for Rajasthan (IIHMR 2000). The NSSO survey was carried out in 1995-96 and the base year for NHA is 2001-02. Therefore the growth rate in monthly per capita expenditure on medical institutional and non institutional items between 52nd round (1995-96) and 57th round (2001-02) is used to inflate and thereby to prepare the estimates for the year 2001-02. Each component in out of pocket is estimated as follows.

(a) Expenditure on Inpatient Care: Data from 52nd round NSSO survey gives information on those who had been hospitalized in the last 365 days prior to the survey. Information on number of hospitalization per 1000 population in an year, average medical expenditure per episode of hospitalization, and the expenditure on therapeutic appliances, to estimate total out of pocket expenditure on inpatient treatment. Net out of pocket expenditure is obtained by deducting the amount reimbursed by employers or agencies from the total medical expenditure. Additional

information from the survey on expenditure incurred by source of inpatient care treatment has been used to further classify this expenditure by health care providers and function.

(b) Expenditure on Outpatient Care: This is also based on 52nd round NSSO data on utilization of health services and expenditure on health care for any household member who was reported to be ill (non hospitalized) during 15 days prior to the survey. Since morbidity rates based on proxy reporting are under estimates, morbidity rate from self-reported cases is used for arriving at estimated number of persons falling ill in the study period. For children the morbidity rates are based on information provided by female respondents. Out of pocket expenditure on outpatient care is obtained by using information on number of illness per 1000 population in 15 day reference period, proportion seeking treatment from medical sources, average medical expenditure, average expenditure on medical therapeutic appliances. The survey information on expenditure on treatment from non medical sources is used to obtain out of pocket expenditure for treatment from non medical sources. Net out of pocket expenditure is obtained by deducting the amount reimbursed by employers or agencies from the total medical expenditure. Additional information from the survey on expenditure incurred by source of outpatient treatment has been used to further classify this expenditure by health care providers and function.

(c) Delivery care expenditure: Number of deliveries is based on Sample Registration system (SRS) birth rate for the year 2001. The 52nd round NSSO survey does not provide data on out of pocket expenditure on delivery care services. Also all the available studies which provide information on delivery are on the basis of data on less than 300 live births. In this context the expenditure on delivery is computed using mean number of days hospitalized for delivery care by super imposing average per day expenditure on inpatient care treatment. This computed separately by source of treatment. Using information from small scale studies the out of pocket expenditure per home delivery was assumed to be 1/3rd the expenditure per delivery in a public hospital.

(d) Ante natal care Services: This is estimated using the data on use of antenatal care services in the National Family Health Survey (NFHS-II) and out of pocket expenditure on ANC care in the RCH Accounts study for Rajasthan (IIHMR 2000).

(e) Abortion and Still Births: The number of abortions and stillbirths is estimated using the birth rate from SRS and pregnancy outcome data from the NFHS-II survey. Out of pocket expenditure on abortion was obtained from the data on abortions in last five years collected in the Abortion Assessment Survey conducted in Tamil Nadu and Maharashtra (CEHAT 2004). Since there was hardly any information on expenditure on still birth, the out of pocket expenses on the same was assumed to be same as observed for abortions.

(f) Family Planning Services: This is directly based on method and source wise information on contraceptive use and out of pocket expenditure incurred on same for those who have reported to have started using it in last one year prior to the NHFS –II survey.

(g) **Child Immunization services:** The number of cases of child immunization is estimated using immunization coverage statistics from the NFHS-II. Since these services are not charged in government health care outlets, the out of pocket expenditure was assumed to be zero in such cases. For immunization from non-public sources the out of pocket expenditure was assumed to be Rs 50/ per immunization.

(h) **Medical attention at Death:** The expenditure on medical care persons who had died in the period is estimated using total number of deaths in the year 2001-02 is from SRS data and the information on the nature of medical attention at the time of death in the 52nd round NSSO data.

Duplication of expenditure data:

Due to heterogeneity in number of entities in providing health care services, there were multiple sources of data for NHA and duplication of expenditure data was the important in preparation of total health expenditure estimates. The data on Central and State Government Expenditure is based on Demand for Grants and receipts budgets of the respective central and state ministries. The data relating to Grants-in-aid to State Governments (Account Head 3601) and Grants-in-aid to Union Territories (Account Head 3602) have not been added in the Central Government estimate with a view to avoid duplication in Central and State parts. The expenditure shown under the External Aid Component (EAC) in the budgets of MOHFW and State Department of Health (excluding for Centrally Sponsored Schemes) were treated as 'external aid' to MOHFW /States and hence not accounted in the contribution of Central/ State Government. Similarly public receipts for health purpose (under the head '0210' and '0211') has been deducted from the contribution of Central and State Government. This was excluded because a major part of this (excluding fees and fines, employee/employer contribution to ESIS and employee contribution for CGHS) is already captures in the household out of pocket expenses

There are two sources of data on health expenditure by local bodies (1) NHA study health Expenditure by Local bodies (2) Demand for grants of state governments. The state government contribution to local bodies has been deducted from the total health expenditure by local bodies estimated on the basis of above study to avoid double counting.

Household expenditure includes (1) Out of pocket expenditure by households on health care services and insurance premiums paid by households. Premiums data compiled data from ESIC, CGHS (MOHFW Budget), GIC Companies and private providers have been obtained from respective sources and added household expenditure figure. Data on contribution to CGHS has been taken from receipts budget of MOHFW and added to the household expenditure. Again from the total health expenditure by forms (from NCMH 2005), the employer contributions to ESIS and Other Group insurance schemes have been deducted.

Limitations

The major source of information on out of pocket payments is the NSSO household surveys on health, which was undertaken in the year 1995-96. The estimates for the year 2001-02 has been prepared by applying appropriate growth rates. However changes in utilisation pattern between

the period 1995-96 and 2001-02 is not fully captured in the above exercise. These changes include in changes in source of treatment, rate of different health care services etc. This issue will be solved when NSSO releases its 60th Round (2003) survey data. The present estimates need to be reexamined when the results of this survey are released by NSSO. Data on private providers in this exercise is weak. There is a need to reconcile the estimates based on demand side data with the estimates based on supply side data i.e. survey of health care providers. In the present situation, obtaining data from private providers is difficult in India, especially where this sector is unregulated and also where there is no dependable estimate about the size of the private sector providers. Data on central and state government expenditure sector is based on budget classification, which is marginally different from the NHA classification. Hence necessary strict adherence to the ICHA classification available for NHA was practically not possible in the case of health care providers and functions. Certain modifications had to be made in the ICHA classification of health care as per the availability of data in India.

Appendix II (a) Classification of financing sources in India NHA

CODES	WHO Guide #	NHA India Classification	India NHA Code
FS.1	PUBLIC FUNDS	Public Funds	FS.1
FS 1.1	Territorial Government funds	Government Funds	FS.1.1
FS.1.1.1	Central Govt. revenue	Central Govt revenue	FS. 1.1.1
FS.1.1.2	Regional and municipal Govt. revenue	State Government revenue	FS.1.1.2
		Urban Local Bodies revenue	FS.1.1.3.1
		Panchayathi Raj Institutions Revenue	FS.1.1.3.2
FS.1.2	Other public funds	NIL	NA
FS 1.2.1	Return of assets held by public entity		
FS 1.2.2	Others		
FS.2	PRIVATE FUNDS	Private Funds	
FS. 2.1	Employer funds	Employer Funds	FS 2.1
FS. 2.2	Household funds	Household Funds	FS.2.2
FS 2.3	Non-Profit Institutions serving households	NGO Revenue	FS.2.3
FS.2.4	Other private funds	Nil	NA
FS.3	Rest of the World	External Assistance	FS.3

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Appendix II (b) Classification for Financing agents in India NHA

<i>Codes</i>	<i>Financing agents (WHO Guide)#</i>	<i>Financing agent</i>	<i>India NHA Code</i>
HF 1 GENERAL GOVERNMENT		HF 1 PUBLIC SECTOR	HF 1
HF1.1 Territorial Government		General Government	HF 1.1
HF 1.1.1 Central Govt.		Ministry of Health and Family Welfare and its autonomus bodies	HF 1.1.1.1
		Other Central Ministries and Divisions	HF 1.1.1.2
HF 1.1.2 State/Provincial Govt.		State Department of Health and Family Welfare	HF 1.1.2.1
		Other State Departments	HF 1.1.2.2
HF 1.1.3 Local/Municipal Govt		Urban Local Governments	HF 1.2.3.1
		Panchayat Raj Institutions	HF 1.2.3.2
HF 1.2 Social security funds		Govt employee insurance schemes(Central/State/Local)	HF 1.2.1
		Employees State Insurance Corporation (ESIC)	HF 1.2.2
		Universal health insurance scheme (Ministry of Finance)	HF 1.2.3
		Other socail security funds	HF 1.2.4
HF2-PRIVATE SECTOR		HF2-PRIVATE SECTOR	
HF 2.1 Private Social Insurance		General Insurance Corporation (GIC)	HF 2.1
HF 2.2 Other Private Insurance		Private Insurance Companies	HF 2.2
HF 2.3 Private/household' out-of pocket payment		Household' out-of pocket payment	HF 2.3
HF2.4 Non-Profit Institutions serving households		NGOs involved in providing health care services	HF 2.4
HF2.5 Private firms and corporations (Other than health insurance)		Public/private firms having own health care establishments for employees	HF 2.5
HP 3 Rest of the World		Nil	NA

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Appendix II (c) Classification of health care providers

Code	ICHA Classification for Providers #	NHA India Provider list (Level I)	NHA India Provider list (Level II)
HP 1	Hospitals		
HP1.1	General Hospitals	HP 1.1 Hospitals	HP 1.1.1 Hospitals under central government HP 1.1.2 Hospitals Owned by State Government HP 1.1.3 Hospitals Owned by Local Bodies HP 1.1.3 Hospitals under social insurance HP 1.1.4 Hospitals owned by Public or private firms HP 1.1.5 Private Hospitals (private for profit entities) HP 1.1.6 Hospital owned by Charitable Institutions/NGOs
HP 1.2	HP 1.2 Mental Health and Substance abuse hospital	HP 1.2 Mental Hospital	HP 1.2.1 Government Mental Hospitals HP 1.2.2 Mental Hospitals owned by private for profit sector HP 1.2.3 Mental Hospitals owned by private non profit sector (NGOs)
HP 1.3	Speciality (other than mental Health and substance abuse hospitals)	HP 1.3 Other speciality Hospital (hospitals only for a specific disease or condition other than mental and substance abuse)	HP 1.3.1 Speciality hospital for Cancer HP 1.3.2 Speciality hospital for Tuberculosis HP 1.3.3 Speciality hospital for other diseases
HP 1.4	Hospitals of non allopathic system of medicine	HP 1.4 Hospitals in Indian System of Medicine (ISM)	HP 1.4.1 Hospitals owned by central/state government HP 1.4.2 Hospitals Owned by Local Bodies (ISM System) HP 1.4.3 Hospitals under social insurance (ISM System) HP 1.4.4 Hospitals owned by private for profit entities (ISM System) HP 1.4.5 Hospital owned by Charitable Institutions/NGOs (ISM System)
HP 2	Nursing and residential care facilities	NIL (All Included in HP1)	
HP 2.1	Nursing care facilities		
HP 2.2	Residential Mental Health and Substance abuse hospitals	NIL (All Included in HP1)	
HP 2.3	Community care facilities for the elderly	NIL (Presently Out side the boundary)	
HP 2.9	All other residential care facilities	HP 2.9 All other residential care facilities	
HP 3	Providers of ambulatory health care		
HP 3.1	Office of Physicians	JP 3.1 Private Doctors	HP 3.1.1 Physicians dealing with Allopathic system of medicine HP 3.1.2 Physicians dealing with ISM system of medicine
HP 3.2	Offices of Dentists	HP 3.2 Dentists	HP 3.2 Dentists
HP 3.3	Offices of other health practioners	HP 3.3 Other para medical personnel	HP 3.3.1 Optometrist HP 3.3.2 Occupational and Speech therapist HP 3.3.3 Physio therapists HP 3.3.4 Nurses HP 3.3.5 dental hygienist HP 3.3.6 traditional medicine (without doctors approbation) HP 3.3.7 naturopaths offices

Appendix II (c) Classification of health care providers

Code	ICHA Classification for Providers #	NHA India Provider list (Level I)	NHA India Provider list (Level II)
			HP 3.3.8 mid wives offices
			HP 3.3.9 chiropractors
			HP 3.3.10 Dieticians
			HP 3.3.11 Nutritionists
			HP 3.3.12 non-qualified medical practitioners
			HP 3.3.13 Others
HP 3.4	Outpatient care centres		
HP 3.4.1	Family Planning Centres	HP 3.4.1 Family Welfare Centres	HP 3.4.1.1 Maternity Homes
			HP 3.4.1.2 Post partum centres
			HP 3.4.1.3 Sub Centre/ Health Posts
			HP 3.4.1.4 Mobile Clinics
HP 3.4.2	Outpatient mental health and substance abuse centres	HP 3.4.2.1 Mental health Clinics	HP 3.4.2.1 Mental health Clinics
HP 3.4.3	Free standing ambulatory care centres		HP 3.4.2.2 Drug de addiction centres
			HP 3.4.3.1 Mobile clinic doing cataract surgeries owned by non profit private sector
			HP 3.4.3.2 Mobile clinic doing cataract surgeries owned by non profit private sector
			(Other facilities are already counted)
HP 3.4.4	Dialysis care centres	Not generally available in India as a separate unit	
HP 3.4.5	All other outpatient community and other integrated care centres	HP 3.4.5 Dispensaries and other outpatient community and other integrated care centres	HP 3.4.5.1 Govt owned other outpatient community and other integrated care centres HP 3.4.5.2 dispensaries/clinic owned by Industrial firms (Allopathy and ISM Separate) HP 3.4.5.3 dispensaries/clinic owned by NGOs (Allopathy and ISM Separate) HP 3.4.5.4 dispensaries/clinic in private sector (Allopathy and ISM Separate)
HP 3.4.9	All other outpatient multi-speciality and cooperative service centres	Covered in HP 3.4.5	
HP 3.5	Medical and diagnostic laboratories	HP 3.5 Diagnostic centres and Pathological labs	HP 3.5.1 X Ray/CT Scan/ Other diagnostic scanning centres HP 3.5.2 Medical pathological labs
HP 3.6	Providers of home health care services	HP 3.6 Providers of home health care services	HP 3.6.1 Community/Domiciliary Nurse (Private) HP 3.6.2 Community/Domiciliary Nurse (NGO) HP 3.6.3 Own/Self HP 3.6.4 Relatives HP 3.6.5. Friends

Appendix II (c) Classification of health care providers

Code	ICHA Classification for Providers #	NHA India Provider list (Level I)	NHA India Provider list (Level II)
HP 3.9	Other providers of ambulatory health care	HP 3.9.1 Ambulance services	HP 3.9.1.1 Ambulance services by govt bodies/departments
HP 3.9.1	Ambulance services		HP 3.9.1.1 Private ambulance services
			HP 3.9.1.1 Ambulance services of industrial firms
			HP 3.9.1.2 Ambulances by NGOs/ Voluntary agencies
HP 3.9.2	Blood and organ banks	NA (Mostl Blood banks associated with Hospitals)	
HP 3.9.3	Alternative or traditional practitioners	Already accounted in HP 3.3	
HP 3.9.9	All other ambulatory health care services	NIL	
HP 4	Retail sale and other providers of medical goods		
HP 4.1	Dispensing chemists	HP 4.1 Dispensing chemists	HP 4.1.1 Private Medical store Pharmacy (Allopathic System)
			HP 4.1.2 Private Medical Store or Pharmacy (ISM)
HP 4.2	Retail sale and other suppliers of optical glasses and other vision products	HP 4.2 Optical Shop	
HP 4.3	Retails sale and other suppliers of hearing aids	HP 4.3 Shops selling hearing aids	
HP 4.4	Retail sale and other suppliers of medical appliances (other than optical glasses and hearing aids)	Included in HP 4.1	
HP 4.9	All other miscellaneous sale and other suppliers of pharmaceuticals and medical goods	All other miscellaneous sale and other suppliers of pharmaceuticals and medical goods	
HP 5	Provision and administration of public health programmes	HP 5 Provision and administration of public health programmes and insurance	
HP 6	General health administration and insurance		
HP 6.1	Government administration on health	HP 6.1 Government administration on health	HP 6.1. Expenditure by Central Government
			HP 6.2. Expenditure by State Government
			HP 6.3 Expenditure by Local Bodies on Health administration (Allopathy and ISM Separate)
HP 6.2	Social security funds	HP 6.2 Social Security funds	HP 6.2 Expenditure by Finance Ministry on Health Insurance administration
HP 6.3	Other social insurance	HP 6.3 Other social insurance schemes	HP 6.3.1 Administrative expenditure on ESIS (Allopathy and ISM Separate)
			HP 6.3.2 Adm.exp. for health facilities provided by public & private firms for employees
HP 6.4	Other (private) insurance	HP 6.4 private Insurance	HP 6.4.1 Administrative expenses on health insurance for GIC Companies
			HP 6.4.2 Administrative expenses of private health insurance providers
HP 6.9	Other providers of health administration	HP 6.9 Other providers	HP 6.9.1 Administrative expenditure for health facilities provided by NGOs

Appendix II (c) Classification of health care providers

Code	ICHA Classification for Providers #	NHA India Provider list (Level I)	NHA India Provider list (Level II)
		HP 6.9.1 Administrative expenditure for health facilities provided by Industrial firms	
HP 7	All other Industries		
HP 7.1	Establishments as providers of occupational health care services	Already covered in HP 1.1 and HP 3.4	
HP 7.2	Private households as providers of home care	Personal health services by member of their own household (Covered in HP 3.6.3 & Hp 3.6.4), benefits in cash and kind, unpaid work (not covered)	
HP 7.3	All other Industries as secondary producers of health care	2	
HP 8	Institutions providing health related services		
HP 8.1	Research Institutions	HP 8.1 Research Institutions	HP 8.1
			HP 8.1.1 Health Research Institutions in public sector
			HP 8.1.2 Research Institutions by for profit private sector (R & D expenditure of pharmaceutical, bio medical firms etc)
			HP 8.1.3 Research Institutions by non profit private sector including NGOs
		HP 8.2.1 Education and Training Institutions for Doctors	HP 8.2.1.1 Education and training institutions by MOHFW HP 8.2.1.2 Education and training institutions by State Department of Health
			HP 8.2.1.3 Education and training institutions by Local bodies
			HP 8.2.1.4 Education and training institutions by charitable institutions and public trusts
			HP 8.2.1.5 Education and training institutions by for profit private sector
		HP 8.2.2 Education and training for Nurses and Paramedics	HP 8.2.2.1 Education and training institutions by MOHFW HP 8.2.2.2 Education and training institutions by Defence department HP 8.2.2.3 Education and training institutions by State Department of Health
			HP 8.2.2.4 Education and training institutions by Local bodies
			HP 8.2.2.5 Education and training institutions by charitable institutions and public trusts
			HP 8.2.2.6 Education and training institutions by for profit private sector
HP 8.3	Other institutions providing health related services	HP 8.3 Other institutions providing health related services	
HP 9	Rest of the World	HP 9 Provider nor specified by kind	
HPnsk	Provider nor specified by kind	HPnsk Provider nor specified by kind	
	National Health Expenditure	National Health Expenditure	

Appendix II (d) Classification of Health Care Functions

ICHA Code	Function Description	Function Description India
HC.1	Services of Curative Care	HC 1. Services at hospitals and dispensaries
HC 1.1	Inpatient Curative Care	HC 1.1 Inpatient care services
HC 1.2	Day Cases of Curative Care	NA
HC 1.3	Outpatient Curative Care	HC 1.2 Outpatient care services
HC 1.3.1	Basic medical and diagnostics services	HC 1.3.1 Basic medical and diagnostics services
HC 1.3.2	Outpatient dental care	HC 1.3.2 Dental Care
HC 1.3.3	All other specialized medical services	HC 1.3.3 All other specialized medical services (mental health, drug/substance abuse therapy and out-patient surgery)
HC 1.3.4	All other outpatient curative care	HC 1.3.4 All other outpatient curative care
HC 1.4	Services of Curative Home Care	HC 1.4 Services of curative home care
HC2	Services of rehabilitative care	Comprises of medical and paramedical services delivered during an episode of rehabilitative care <i>Same classification</i>
HC 2.1	Inpatient rehabilitative care	
HC 2.2	Day cases of rehabilitative care	
HC 2.3	Outpatient rehabilitative care	
HC 2.4	Services of outpatient rehabilitative care	
HC 3	Services of long-term nursing care	Same Classification (Includes long term nursing care for dependents, medical and paramedical services to terminally ill, including counselling for their families etc)
HC 3.1	Inpatient long term nursing care	
HC 3.2	Day cases of long term nursing care	
HC 3.3	Long term nursing care:home care	
HC 4	Ancillary services to medical care	HC 4 Ancillary services to medical care
HC 4.1	Clinical laboratory	HC 4.1 Clinical laboratory
HC 4.2	Diagnostic Imaging	HC 4.2 Diagnostic Imaging
HC 4.3	Patient transport and emergency rescue	HC 4.3 Ambulance services
HC 4.4	All other miscellaneous ancillaries	HC 4.4 All other miscellaneous ancillaries
HC. 5	Medical good dispensed to outpatients	HC. 5 Medical good dispensed to outpatients
HC 5.1	Pharmaceuticals and other medical non-durables	HC 5.1 Pharmaceuticals and other medical non-durables
HC 5.1.1	Prescribed medicines	HC 5.1.1 Prescribed medicines
HC 5.1.2	Over the counter medicines	Same as ICHA, but data not available separately
HC 5.1.3	other medical non durables	
HC 5.2	therapeutic appliances and medical durables	
HC 5.2.1	glasses and other vision products	
HC 5.2.2	orthopaedic appliances and other prosthetics	
HC 5.2.3	Hearing aids	
HC 5.2.4	Medico technical devices, including wheel chairs	

Appendix II (d) Classification of Health Care Functions

HC 5.2.9	All other miscellaneous medical goods (additional row entries)	
HC 6	prevention and public health services	HC 6 prevention and public health services
HC 6.1	MCH and family Planning Counselling	RCH and FP Services
HC 6.2	School Health Services	School Health Services
HC 6.3	Prevention of Communicable diseases	Prevention of Communicable diseases (Disease wise)
HC 6.4	Prevention of non communicable diseases	Prevention of non communicable diseases (Disease wise)
HC 6.5	Occupational health care	Occupational health care
HC 6.9	All other miscellaneous public health services	All other miscellaneous public health services
HC 7	Health Administration and Health Insurance	Health Administration and Health Insurance
HC. 7.7	General Government Administration on Health	Same as ICHA-HC
HC 7.1.1	General Government administration on health (except social security)	
HC 7.1.2	Administration, operation and support of social security funds	
HC 7.2	Health Administration and Health Insurance: Private	
HC 7.2.1	Health Administration and Health Insurance: social insurance	
HC 7.2.2	Health Administration and health insurance: other private	
HC. Nsk	HC expenditure not specified by kind	HC expenditure not specified by kind
HCR 1-5	Health Related functions	
HC R.1	Capital Formation for health care provider institutions	Capital Expenditure
HC R.2	Education and training of health personnel	Education and training of health personnel
H.C. R.3	Research and Development in Health	Research and Development in Health
HC R.4	Food, Hygiene and drinking water control	Food, Hygiene and drinking water control
HC. R 5	Environmental Health	Environmental Health
HCR. Nsk	HC.Rexpenditure not specified by kind	HC.Rexpenditure not specified by kind

Appendix II (e) Classification used for categorizing into primary secondary and tertiary care services

<i>Tertiary Care Services</i>
Hospitals Attached to teaching Institutions
Major/General Hospitals
TB, Cancer Hospitals etc
Medical Education Allopathy
<i>Secondary Care Services</i>
ESIS Hospitals
District Sub district/Speciality hospitals
Community Health Centres (CHC)
Maternity Home / Women & Children Hosp
Mental Hospitals
Contageous diseases hospitals
Medcal Education : ayush
Others
<i>Primary Care services (Curative care)</i>
PHC/Dispensaries/ Clinics (Excluding exp in Head 2211)
Health sub Centres (excluding in 2211)
ESIS Dispensaries
School Health Schmes
CGHS dispensaries
Public Health & Family Welfare (presented separately)
TB Clinics
Mobile Clinics
<i>Public Health</i>
Natural calamities related
Nutritional programmes by Dept of Health & FW
Disease Control Communicable Diseases
Disease Control Non-Communicable Diseases
Food Adulteration
Drugs Control
Public Health labs
Public Health education/IEC
Miscellaneous public health
<i>Family welfare</i>
FW Training
Rural/Urban FW Services, Maternity or Child welfare Centre/ FW Centres at PHC, CSSM
Sub Centres (in 2211)
Mass education /IEC
Compensation
Other family Welfare
<i>General Expenditure</i>
Direction & Adminstration (All D & A)
Health Statistics, research, Evaluation & Training
Medical Stores Depot & Drug Manufacture
Capital Expenditure
Medical reimbursements

APPENDIX: III

SOURCES OF DATA FOR NHA

(A) Expenditure by MOHFW & State Dept. of Health

I. Budget Documents:

- a) Annual Financial Statement
- b) Revenue and receipts
- c) Detailed Demand for Grants¹
- d) Finance Accounts of Union Government

(B) Expenditure by Other Central Ministries and State Departments

Ministry of Railways: (Railway budget)

Ministry of Defence: (Defence Department)

Other Central and State Departments : Detailed Demand for grants of respective ministry / departments

(C) Expenditure by Urban Local Governments and Panchayati Raj Institutions

1. Eleventh and Twelfth Finance Commission Reports
2. Demand for grants of Central and State departments of health and Family Welfare
3. NHA Study of Health Expenditure by Local Governments

(D) Expenditure by foreign agencies

1. Controller of Aid Accounts and Audit , Department of Economic Affairs, Ministry of Finance
2. Demand for Grants of Central and State Departments of Health and Family Welfare

(E) Expenditure by Insurance agencies

1. Employees State Insurance Corporation (ESIC): ESIC Annual Report, Office of ESIC, &. State
2. Budget documents
3. CGHS: Office of CGHS & Demand for Grants-MOHFW
4. GIC and its 4 Subsidiaries:
5. Office of Insurance Companies
6. Private insurance: Office of 7 private health Insurance providers

¹ The demand for grants 2003-04 for the states of Bihar and Jharkhand does not give actual expenditure data for the year 2001-02. Hence the estimates for these states are based on RE data for the year 2001-02 given in demand for grants 2002-03.

- (F) **Expenditure by Households:** NSSO Data (52nd, 55th and 57th rounds), NFHS-II, Projected population from RGI Office, Office of insurance companies, receipt budgets of Central and State Governments and other small scale studies relating to utilization and expenditure on Maternal Health Care services
- (G) **Expenditure by Firms (Private & Public Sector)**
1. National Commission on Macro Economics and Health Report (2005)
 2. Records of Public and Private Insurance Companies (Group Insurance)
- (H) **Expenditure by NGOs**
1. FCRA Division Ministry of Home Affairs
 2. NSSO 52nd Round Data
 3. NHA Study on Health Expenditure by NGOs
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Appendix IV: Health expenditure by Central and state governments, 2001-02 (figures in Rs 000)

Health expenditure Head	Andhra Pr.	Arunachal	Assam	Bihar	Chhattisgarh	Delhi	Goa
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
(a) Medical and Public Health							
Urban Health Services: Allopathy	4,798,206	49,116	615,563	1,522,756	513,513	4,985,331	460,688
Urban Health Services: Other System of Medicine	268,770	0	8,753	54,103	44,210	145,204	1,123
Rural Health Services: Allopathy	2,231,790	395,310	1,216,854	2,409,994	877,117	0	155,772
Rural Health Services: Other System of Medicine	151,094	12,374	20,028	50,441	151,199	0	0
Medical Education Training and Research	996,743	7,488	614,796	552,098	93,386	362,411	133,349
Public Health	2,163,468	115,244	457,384	686,374	449,783	146,575	67,692
General	339,259	58,996	27,843	135,751	611	27,706	45,849
Total (a)	10,949,330	638,528	2,961,221	5,411,517	2,129,819	5,667,227	864,473
(b) Family Welfare							
Direction and Administration	296,112	24,580	74,499	125,493	35,494	12,951	3,161
Training	59,790	243	24,740	54,930	17,025	2,775	0
Research and Evaluation	0	0	0	0	0	0	0
Rural Family Welfare Services	1,411,316	10,423	448,084	1,445,818	182,977	1,638	13,782
Urban Family Welfare Services	64,480	2,114	11,731	8,496	11,238	64,520	3,468
Maternity and Child Health	274,671	0	41,257	11,692	51	24,354	508
Transport	15,856	447	7,494	9,000	4,833	1,064	233
Compensation	363,322	343	7,005	80,000	30,453	12,056	224
Mass Education	12,500	0	294	8,000	3,629	1,223	2,794
Selected Area Programmes	129,878	0	0	0	0	0	0
Assistance to Public sector and other undertakings	0	0	0	0	0	0	0
Asst to Local Bodies	0	0	0	0	0	0	0
Other services and Supplies	98,304	0	26,015	115,650	22,860	1,343	0
International Cooperation	0	0	0	0	0	0	0
Other expenditure	0	0	0	0	1,122	0	0
Total (b)	2,726,229	38,150	641,119	1,859,079	309,682	121,924	24,170
(c) Total Medical and public health and family welfare (a) + (b)	13,675,559	676,678	3,602,340	7,270,596	2,439,501	5,789,151	888,643
(d) Other Expenditure Heads	290,586	17,120	1,120,132	438,194	90,502	153,705	41,468
Grant Total (a) + (b) + (d)	13,966,145	693,798	4,722,472	7,708,790	2,530,003	5,942,856	930,111

Includes Health expenditure by other departments, medical benefits for govt employees and pensioners and secretariat and social services for health services

Note: This table gives total health expenditure recorded in the budget for each state and central government and will include external aid and grants from center to states. Hence the data cannot be interpreted a fund contributed by central government or state governments.

Appendix IV: Health expenditure by Central and state governments, 2001-02 (figures in Rs 000)

Health expenditure Head	Gujarat (8)	H.P. (9)	Haryana (10)	J. & K. (11)	Jharkhand (12)	Karnataka (13)	Kerala (14)
(a) Medical and Public Health							
Urban Health Services: Allopathy	2,861,768	564,157	926,466	1,164,660	1,148,150	3,985,196	2,898,391
Urban Health Services: Other System of Medicine	168,179	199,875	20,958	2,655	68,100	46,390	550,589
Rural Health Services: Allopathy	1,261,866	923,386	602,793	363,001	1,249,204	141,591	1,346,604
Rural Health Services: Other System of Medicine	76,978	234,635	169,315	0	12,205	17,451	72,231
Medical Education Training and Research	886,435	453,805	550,953	489,887	154,579	1,295,934	1,146,597
Public Health	1,007,451	76,521	427,039	649,267	333,804	453,333	517,606
General	7,316	0	29,183	3,730	0	2,712,440	1,696
Total (a)	6,269,993	2,452,379	2,726,707	2,673,200	2,966,042	8,652,335	6,533,714
(b) Family Welfare							
Direction and Administration	42,971	26,249	34,581	0	72,230	14,773	41,154
Training	38,088	9,933	16,385	0	24,913	31,472	10,116
Research and Evaluation	0	0	0	0	0	0	0
Rural Family Welfare Services	571,861	207,378	207,415	0	684,388	0	610,430
Urban Family Welfare Services	42,026	63,686	11,592	0	9,151	48,008	0
Maternity and Child Health	57,951	0	116,315	0	5,991	325,459	464
Transport	12,728	0	2,000	0	3,500	12,997	6,959
Compensation	43,195	8,556	24,265	0	40,000	22,615	25,523
Mass Education	4	0	6,839	0	500	1,264	52
Selected Area Programmes	0	11,012	0	0	0	585,785	0
Assistance to Public sector and other undertakings	0	0	0	0	0	0	0
Asst to Local Bodies	0	0	0	0	0	1,061,890	0
Other services and Supplies	74,895	0	73,124	0	45,654	101,728	321,431
International Cooperation	0	0	0	0	0	0	0
Other expenditure	2,417	0	0	0	0	0	10,928
Total (b)	886,136	326,814	492,516	0	886,327	2,205,991	1,027,057
(c) Total Medical and public health and family welfare (a) + (b)	7,156,129	2,779,193	3,219,223	2,673,200	3,852,369	10,858,326	7,560,771
(d) Other Expenditure Heads	333,754	237,958	244,916	95,873	110,827	110,380	125,621
Grant Total (a) + (b) + (d)	7,489,883	3,017,151	3,464,139	2,769,073	3,963,196	10,968,706	7,686,392

Includes Health expenditure by other departments, medical benefits for govt employees and pensioners and secretariat and social services for health services

Note: This table gives total health expenditure recorded in the budget for each state and central government and will include external aid and grants from center to states. Hence the data cannot be interpreted as a fund contributed by central government or state governments.

Appendix IV: Health expenditure by Central and state governments, 2001-02 (figures in Rs 000)

Health expenditure Head	M.P. (15)	Mah. (16)	Manipur (17)	Meghalaya (18)	Mizoram (19)	Nagaland (20)	Orissa (21)
(a) Medical and Public Health							
Urban Health Services: Allopathy	2,611,339	5,909,352	157,312	282,556	274,990	553,337	1,581,371
Urban Health Services: Other System of Medicine	230,720	234,281	1,130	2,464	194	3,143	57,559
Rural Health Services: Allopathy	1,402,010	380,883	220,412	370,876	260,905	108,536	1,077,338
Rural Health Services: Other System of Medicine	377,478	186,088	11,689	0	0	0	184,261
Medical Education Training and Research	464,001	7,192,046	83,131	32,305	16,746	488	371,710
Public Health	902,237	2,412,495	118,556	115,028	107,365	31,091	562,000
General	5,214	11,897	25,801	31,432	0	0	33,516
Total (a)	5,992,999	16,327,042	618,031	834,661	660,200	696,595	3,867,755
(b) Family Welfare							
Direction and Administration	117,078	653,067	18,620	13,346	11,009	67,747	26,415
Training	71,410	55,560	5,109	5,416	4,022	0	17,116
Research and Evaluation	0	0	0	0	0	0	0
Rural Family Welfare Services	478,478	557,315	47,786	41,308	30,117	37,968	333,388
Urban Family Welfare Services	58,611	70,490	1,944	3,993	5,842	0	19,372
Maternity and Child Health	72	353,627	21,166	4,637	7,855	4,836	293
Transport	10,930	7,407	914	864	2,299	0	5,249
Compensation	52,888	83,388	520	0	1,198	0	22,330
Mass Education	8,213	2,973	862	0	0	0	-29
Selected Area Programmes	0	0	0	0	0	0	203,718
Assistance to Public sector and other undertakings	0	0	0	0	0	0	0
Asst to Local Bodies	0	0	0	0	0	0	0
Other services and Supplies	90,596	224,801	6,763	399	0	19	0
International Cooperation	0	0	0	0	9	0	0
Other expenditure	303	11,739	381	15,246	0	0	0
Total (b)	888,579	2,020,367	104,065	85,209	62,351	110,570	627,852
(c) Total Medical and public health and family welfare (a) + (b)	6,881,578	18,347,409	722,096	919,870	722,551	807,165	4,495,607
(d) Other Expenditure Heads	1,113,565	770,225	30,537	31,414	25,998	23,605	469,841
Grant Total (a) + (b) + (d)	7,995,143	19,117,634	752,633	951,284	748,549	830,770	4,965,448

Includes Health expenditure by other departments, medical benefits for govt employees and pensioners and secretariat and social services for health services

Note: This table gives total health expenditure recorded in the budget for each state and central government and will include external aid and grants from center to states. Hence the data cannot be interpreted a fund contributed by central government or state governments.

Appendix IV: Health expenditure by Central and state governments, 2001-02 (figures in Rs 000)

Health expenditure Head	Pondicherry (22)	Punjab (23)	Rajasthan (24)	Sikkim (25)	Tamil Nadu (26)	Tripura (27)	U. Pradesh (28)
(a) Medical and Public Health							
Urban Health Services: Allopathy	516,770	2,667,526	2,909,170	231,308	5,270,233	360,883	4,031,357
Urban Health Services: Other System of Medicine	10,893	93,942	396,238	0	227,502	24,635	304,609
Rural Health Services: Allopathy	72,710	1,875,151	2,048,708	103,615	1,874,072	218,599	2,885,219
Rural Health Services: Other System of Medicine	0	175,343	977,005	0	104,247	0	1,030,119
Medical Education Training and Research	104,237	558,415	809,819	2,065	961,254	37,430	1,631,954
Public Health	63,489	392,752	662,218	26,712	1,524,294	62,412	1,229,322
General	10,372	16,977	0	0	56,842	32,133	11,593
Total (a)	778,471	5,780,106	7,803,158	363,700	10,018,444	736,092	11,124,173
(b) Family Welfare							
Direction and Administration	1,782	49,438	93,891	5,701	73,161	19,242	103,850
Training	197	13,333	68,812	1,465	15,184	68,530	39,617
Research and Evaluation	0	2,854	0	0	0	0	0
Rural Family Welfare Services	7,759	210,358	783,208	36,786	940,715	89,541	1,914,136
Urban Family Welfare Services	0	42,490	45,228	4,360	113,985	526	109,798
Maternity and Child Health	5,979	0	611,736	0	480,765	5,139	26,675
Transport	176	1,499	3,714	1,183	72,672	1,253	12,140
Compensation	1,667	20,093	46,661	177	104,692	1,470	219,796
Mass Education	298	142	3,799	431	5,951	809	35,617
Selected Area Programmes	0	0	1,266	0	72,164	0	179,243
Assistance to Public sector and other undertakings	0	0	0	0	0	0	0
Asst to Local Bodies	0	0	0	0	0	0	0
Other services and Supplies	8,617	62,715	299,584	0	130,989	1,348	0
International Cooperation	0	0	0	0	163,270	0	0
Other expenditure	0	0	209,764	0	4,593	0	0
Total (b)	26,475	402,922	2,167,663	50,103	2,178,141	187,858	2,640,872
(c) Total Medical and public health and family welfare (a) + (b)	804,946	6,183,028	9,970,821	413,803	12,196,585	923,950	13,765,045
(d) Other Expenditure Heads	20,841	134,778	367,071	35,735	522,711	44,827	323,519
Grant Total (a) + (b) + (d)	825,787	6,317,806	10,337,892	449,538	12,719,296	968,777	14,088,564

Includes Health expenditure by other departments, medical benefits for govt employees and pensioners and secretariat and social services for health services

Note: This table gives total health expenditure recorded in the budget for each state and central government and will include external aid and grants from center to states. Hence the data cannot be interpreted a fund contributed by central government or state governments.

Appendix IV: Health expenditure by Central and state governments, 2001-02 (figures in Rs 000)

Health expenditure Head	Uttaranchal (29)	West Bengal (30)	State Total (31)	Central Govt (32)	G. Total (33) = (31) + (32)
(a) Medical and Public Health					
Urban Health Services: Allopathy	326,391	7,784,738	61,962,594	5,637,068	67,599,662
Urban Health Services: Other System of Medicine	201,448	141,879	3,509,546	267,370	3,776,916
Rural Health Services: Allopathy	622,140	1,868,638	28,565,094	0	28,565,094
Rural Health Services: Other System of Medicine	10,120	232,162	4,256,463	178,382	4,434,845
Medical Education Training and Research	15,100	1,038,995	21,058,157	8,726,071	29,784,228
Public Health	75,769	1,343,642	17,180,923	5,740,269	22,921,192
General	0	16,069	3,642,226	70,570	3,712,796
Total (a)	1,250,968	12,426,123	140,175,003	20,619,730	160,794,733
(b) Family Welfare					
Direction and Administration	14,907	83,996	2,157,498	116,323	2,273,821
Training	2,157	18,960	677,298	194,397	871,695
Research and Evaluation	0	0	2,854	262,447	265,301
Rural Family Welfare Services	151,390	1,174,879	12,630,642	30,137	12,660,779
Urban Family Welfare Services	6,966	31,531	855,656	15,872	871,518
Maternity and Child Health	2,329	12,367	2,396,189	3,557,895	5,954,084
Transport	2,703	3,328	203,442	842	204,284
Compensation	8,261	60,605	1,281,303	459	1,281,762
Mass Education	2,122	0	98,287	332,514	430,801
Selected Area Programmes	0	246,445	1,429,511	719,108	2,148,619
Assistance to Public sector and other undertakings	0	0	0	0	0
Asst to Local Bodies	0	0	1,061,890	0	1,061,890
Other services and Supplies	21,259	73,851	1,801,945	1,205,550	3,007,495
International Cooperation	0	0	163,279	10,136	173,415
Other expenditure	0	0	256,493	1,201,120	1,457,613
Total (b)	212,094	1,705,962	25,016,277	7,646,800	32,663,077
(c) Total Medical and public health and family welfare (a) + (b)	1,463,062	14,132,085	165,191,280	28,266,530	193,457,810
(d) Other Expenditure Heads	60,263	517,398	7,903,364	25,197,381	33,100,745
Grant Total (a) + (b) + (d)	1,523,325	14,649,483	173,094,644	53,463,911	226,558,555

Includes Health expenditure by other departments, medical benefits for govt employees and pensioners and secretariat and social services for health services

Note: This table gives total health expenditure recorded in the budget for each state and central government and will include external aid and grants from center to states. Hence the data cannot be interpreted as a fund contributed by central government or state governments.

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Appendix : V Statewise Data on Receipt and Expenditure for Health, Family Welfare, Water Supply & Sanitation and Nutrition and Total Govt expenditure (under all heads), 2001-02 (Figures in Rs 000's)

Sr. No.	State/Centre	Med.&Pub.Health		Family Welfare		W. Supply & Sanitation		Nutrition	Total Govt. Expenditure
		Receipt	Total Exp.	Receipt	Total Exp.	Receipt	Total Exp.	Total Exp.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Andhra Pradesh	485,265	10,949,330	65,191	2,726,229	90,943	4,820,034	5,544,722	278,172,883
2	Assam	72,141	2,961,221	181	641,119	3,241	1,594,656	367,288	73,593,967
3	Arunchal Pradesh	975	638,528	4	38,150	7,859	655,983	114,437	13,323,241
4	Bihar 2001-02(RE)	250,000	5,411,517	20,000	1,859,079	20,700	2,125,112	368,685	136,781,824
5	Chattisgarh	31,366	2,129,819	1,968	309,682	11,929	1,466,023	389,059	53,903,785
6	Delhi	87,135	5,667,227	33	121,924	0	606,699	389,037	56,557,569
7	Gujarat	472,600	6,269,993	3,700	886,136	5,000	3,304,300	1,305,300	244,744,700
8	Goa	46,720	864,473	2	24,170	531,344	1,197,461	15,734	22,857,550
9	Haryana	283,184	2,726,707	3,971	492,516	287,037	4,314,339	315,068	101,236,198
10	Himachal Pradesh	33,099	2,452,379	1,646	326,814	84,780	5,237,801	98,000	52,260,600
11	Jammu & Kashmir	63,853	2,673,200	0	0	45,025	1,648,347	4,098	49,546,675
12	Jharkhand 2001-02(RE)	58,100	2,966,042	1,000	886,327	8,900	2,840,435	100,000	73,890,412
13	Karnataka	591,763	8,652,335	14,062	2,205,991	18,636	3,724,394	1,077,824	207,113,734
14	Kerala	198,459	6,533,714	239	1,027,057	12,776	1,318,686	21,223	122,203,914
15	Madhya Pradesh	161,433	5,992,999	4,123	888,579	115,126	4,445,761	793,736	158,394,123
16	Maharashtra	1,097,763	16,327,042	20,028	2,020,367	50,882	5,244,330	4,427,500	412,294,009
17	Manipur	3,193	618,031	270	104,065	6,681	0	37,000	15,134,213
18	Meghalaya	4,073	834,661	1	85,209	2,649	933,272	68,300	13,167,752
19	Mizoram	3,908	660,200	2	62,351	34,923	758,591	83,670	12,667,318
20	Nagaland	1,198	696,595	2	110,570	7,000	724,285	957	18,531,478
21	Orissa	101,497	3,867,755	1,231	627,852	189,588	2,513,846	465,804	107,647,404
22	Pondicherry	33,464	778,471	12	26,475	21,945	262,853	101,595	12,179,654
23	Punjab	290,000	5,780,106	1,885	402,922	153,108	1,848,288	0	136,941,264
24	Rajasthan	245,717	7,803,158	2,535	2,167,663	1,398,262	11,628,061	1,607,715	177,667,859
25	Sikkim	3,454	363,700	0	50,103	4,270	364,147	57,775	18,749,737
26	Tamil Nadu	653,242	10,018,444	7,479	2,178,141	88,476	6,811,538	4,630,474	233,348,845
27	Tripura	13,146	736,092	129	187,858	60,541	634,669	150,445	23,997,387
28	Uttar Pradesh	311,437	11,124,173	4,866	2,640,872	1,582	5,746,376	0	353,352,731
29	Uttarnchal	35,831	1,250,968	526	212,094	0	1,686,791	0	30,824,360
30	West Bengal	456,304	12,426,123	4,395	1,705,962	36,706	4,066,321	622,788	246,600,503
31	Total (States)	6,090,320	140,175,039	159,481	25,016,241	3,299,909	82,523,399	23,158,234	3,457,685,689
32	Centre (including 5 Uts)	73,342	21,899,116	166,438	7,669,100	200	8,955,251	131,917	3,643,886,400
33	Total (States and Centre)	6,163,662	162,074,155	325,919	32,685,341	3,300,109	91,478,650	23,290,151	7,101,572,089

Source: Annual Financial Statement of respective States & Union Govt Budgets for the year 2003-04.

Total Exp.- is sum of revenue and capital expenditure

No receipts in the case of nutrition

Annexure-I

Composition and Terms of Reference of Steering Committee for National Health Accounts

- | | | |
|----|---|-------------|
| 1. | Secretary (Health)
Department of Health
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011. | Chairperson |
| 2. | Secretary
Department of Family Welfare
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011. | Member |
| 3. | Secretary (AYUSH)
Ministry of Health and Family Welfare
IRCS Building Annexe
1, Red Cross Road,
New Delhi-110001 | Member |
| 4. | Director General of Health Services
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011. | Member |
| 5. | Additional Secretary
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011. | Member |
| 6. | Director
Central Bureau of Health Intelligence
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011. | Member |
| 7. | Adviser Health (Incharge)
Planning Commission
Government of India
Yojana Bhawan, Sansad Marg
New Delhi – 110001
Fax No: 011-23096588 | Member |
| 8. | Joint Secretary (PFI)
Department of Expenditure
Ministry of Finance
New Delhi.
Tel: 23093052; Fax No: 23093224 | Member |

- | | | |
|-----|---|--------|
| 9. | Joint Secretary (Fund Bank)
D/o Economic Affairs
Ministry of Finance
North Block
New Delhi
Tel: 23092387 Fax No.: 23092511 & 23092477 | Member |
| 10. | Joint Secretary
Department of Drinking Water Supply
9 th Floor, Paryavaran Bhawan
CGO Complex
New Delhi 110 003
Tel. No. 011-24361043; Fax No: 24364113 | Member |
| 11. | Joint Secretary (Water Supply & Sanitation)
Ministry of Urban Development
Room No.: 140 C, Nirman Bhawan
New Delhi 110 011
Tel. No.: 011-23012309; Fax No.: 23012477 | Member |
| 12. | Controller General of Accounts
Department of Expenditure, Ministry of Finance
North Block, Lok Nayak Bhawan
New Delhi
Tel: 24617758, (R) 26253987; Fax No.: 24622305 | Member |
| 13. | Chief Executive Officer,
National Sample Survey Organisation,
Sardar Patel Bhawan,
New Delhi-100 001.
Telfax No. 011-23742026 Fax No: 23342384 | Member |
| 14. | Additional Director General (NAD),
Central Statistical Organisation,
Sardar Patel Bhawan,
New Delhi- 100 001
Telfax No.: 011-23341867 (o), 26882771 (R) | Member |
| 15. | Director
National Institute of Public Finance & Policy (NIPFP)
18/2, Satsang Vihar Marg,
Special Institutional Area,
New Delhi 110 067
Ph:26563688,26569780, 26569784
Fax: 91-11-26852548
Email ID: mgr@nipfp.org.in | Member |

- | | | |
|-----|---|------------------|
| 16. | President
Indian Medical Association
IMA House, I.P. Marg
New Delhi 110 002
Tel. No.: 011-23370009
Fax No.: 011-23379178 | Member |
| 17. | WHO Representative to India
534, "A" Wing,
Nirman Bhawan,
Maulana Azad Road,
New Delhi - 110 011
Fax: No.: 23012450 | Member |
| 18. | DDG(P)
Director General of Health Services
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011. | Member Secretary |

Terms of Reference and Periodicity:

The Steering Committee would help to guide and advise in the pioneering work being done in the area of National Health Accounts for India. For this the Committee shall meet at least twice a year.

Others:

1. The tenure of this body will be for two years.
2. The Chairman, if deemed necessary, may form sub-committees and co-opt official and non-official members as needed. The Chairman may like to designate work across members according to their area of expertise, so that NHA cell can obtain their views in the period in between, if found necessary.
3. The members are expected to maintain confidentiality of the data, discussed in Steering Committee meetings till the final approval and dissemination of NHA estimates.
4. The TA/DA of non official members shall be paid as per Govt. guidelines.

Annexure-II

List of participants of Steering Committee meeting on National Health Accounts Held on 13th April 2004.

Shri. J.V.R. Prasada Rao,
Secretary (Health)
Department of Health
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011.

Shri Prasanna Hota,
Secretary
Department of Family Welfare
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011.

Shri Sekar Dutt
Secretary (AYUSH)
Ministry of Health and Family Welfare
New Delhi-110001

Dr. S. P. Agarwal,
Director General of Health Services
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011.

Smt. P. Jyoti Rao,
Additional Secretary
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011.

Dr. Ashok Kumar,
Director
Central Bureau of Health Intelligence
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011.

Shri Brij Bhushan
Economic Adviser (Health)
Planning Commission
Yojana Bhawan, Sansad Marg
New Delhi – 110001

K.M. Gupta
Director (PFI)
Department of Expenditure
Ministry of Finance
New Delhi.

Dr. Ranjit Bannerji
Joint Secretary (Fund Bank)
D/o Economic Affairs
Ministry of Finance
New Delhi

Shri M. Rajamani
Joint Secretary (Water Supply & Sanitation)
Ministry of Urban Development
Room No.: 140 C, Nirman Bhawan
New Delhi 110 011

Dr S. Ray
Chief Executive Officer,
National Sample Survey Organisation,
Sardar Patel Bhawan,
New Delhi-100 001.

Shri Ramesh Kolli
Deputy Director General
Central Statistical Organisation,
Sardar Patel Bhawan,
New Delhi- 100 001

Dr. Tapas Sen
Senior Fellow
National Institute of Public Finance & Policy
New Delhi 110 067
Dr. Paramita Sudharto
Public Health Administrator
WHO India Country Office
Nirman Bhawan,
New Delhi - 110 011

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Dr. (Mrs.) Urmil Mahajan
DDG(P)
Ministry of Health and Family Welfare
Nirman Bhawan
New Delhi- 110 011
Smt. Urvashi Sadhwani
Additional Economic Adviser
Bureau of Planning,
Directorate General of Health Services
MOHFW, Nirman Bhavan,
New Delhi 110 011.

Shri Sunil Nandraj
National Professional Officer (EIP)
WHO India Country Office
Nirman Bhawan,
New Delhi - 110 011

Shri R. B. Gupta
National Consultant
National Health Accounts Cell
MOHFW, Nirman Bhavan,
New Delhi 110 011

Dr Lysander Menezes
National Consultant
National Health Accounts Cell
MOHFW, Nirman Bhavan,
New Delhi 110 011

Dr T. R. Dilip
National Consultant
National Health Accounts Cell
MOHFW, Nirman Bhavan,
New Delhi 110 011

Shri L Sankar
Research Assistant
National Health Accounts Cell
MOHFW, Nirman Bhavan,
New Delhi 110 011

Annexure III

List of Participants of Second Steering Committee Meeting on National Health Accounts held on 19th December 2005

Shri Prasanna Hota (in Chair)
Secretary
Ministry of & Family Welfare
Nirman Bhawan
New Delhi-110011

Shri Sanjiv Misra
A.S & F.A
Ministry of Health & Family Welfare
Nirman Bhawan
New Delhi – 110011

Dr R. K. Srivastava
Director General
Director General of Health Services
Ministry of Health & Family Welfare
Nirman Bhawan
New Delhi- 110011

Shri Shiv Basant
Joint Secretary
Department of Ayush
Ministry of Health and Family Welfare
Indian Red Cross Building
Parliament Street
New Delhi-110 001

Dr Ashok Kumar
DDG & Director (CBHI),
MOH&FW,
Nirman Bhawan
New Delhi-110011

Dr S.J. Habayeb
WHO Representative to India
WHO India County Office
Nirman Bhawan
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Shri Ramesh Kolli
Deputy Director General
Central Statistical Organisation
Sardar Patel Bhawan
New Delhi: 110 001.

Shri P. C. Tangri
Deputy Director General
National Sample Survey Organisation
Sardar Patel Bhawan
New Delhi

Shri Janardan Yadav
Joint Director
NAD, CSO,
Sardar Patel Bhawan
New Delhi -110001

Shri Sukanta Kar
Scientific Officer
Ministry of Urban Development
Room No.657-A Wing
Nirman Bhawan
New Delhi – 110011

Smt Ganga Murthy
Economic Adviser
Ministry of Health & Family Welfare
Nirman Bhawan
New Delhi-110011

Shri Sunil Nandraj
NPO (HSD)
WHO
Nirman Bhawan
New Delhi-110011

Dr T.R. Dilip
National Consultant
NHA Cell
Ministry of Health & Family Welfare
New Delhi- 110011

Dr Lysander Menezes,
National Consultant
NHA Cell
Ministry of Health & Family Welfare
New Delhi-110011

Shri Bodh Raj
National Consultant
NHA Cell
Ministry of Health & Family Welfare
New Delhi-110011

Annexure- IV

List of Experts Attended the Various Group Meetings in the preparation of National Health Accounts Estimates

Shri Sanjiv Misra
A.S. & F.A,
MOHFW
New Delhi

Shri Ramesh Kolli,
Dy. Director General,
Central Statistical Organisation
New Delhi

Shri R. N. Ghosh
Principal Director (Local Bodies Unit)
Comptroller & Auditor General Of India ,
New Delhi - 110 002

Dr. Rattan Chand
Director
National Sample Survey Organisation
New Delhi-110 001

Dr. Alok Kar
Director
National Accounts Division
Central Statistical Organisation,
New Delhi- 100 001

Shri Ajay K. Gupta
Joint Director
Central Statistical Organisation,
New Delhi- 100 001

Shri Mrinal Bhaumik
Director
Central Statistical Organisation,
New Delhi

Shri Veketeswaralu
Deputy Director
Central Statistical Organisation,
New Delhi

Shri D.S.Sastry,
Assistant Director,
Central Statistical Organisation
New Delhi

Prof. Barun Kanjilal
IIHMR,
Jaipur 302 011.

Dr. C. K. George
Director
Institute of Health Systems
Hyderabad – 500 004

Dr. Ramamani Sundar
Senior Economist
NCAER
New Delhi- 110 002.

Dr. N.S. Sastry,
Professor,
Council for Social Development
New Delhi-110 003.

Dr. V. Selvaraju
Economist
The World Bank
New Delhi 110 003

Shri. Arvinder Singh Sachedva
Director (PPD)
Planning Commission
New Delhi- 110 001

Dr J. V Telang
Executive Health Officer
Brihan Mumbai Municipal Corporation
Mahapalika Marg
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Dr Ramesh Kumar
Chief Medical Officer
New Delhi Municipal Corporation
New Delhi- 110 011

Dr R N Sharma
Deputy Director
Bureau of Economics and Statistics
Govt of NCT of Delhi
Delhi- 110 054

National Health Accounts : India, 2001-02

Dr H. K. Amarnath
Senior Economist
National Institute of Public Finance and Policy
New Delhi: 110 067

Dr Anushree Sinha
Senior Economist
NCAER
New Delhi

Shri Ram Mohan
Additional Director (Personnel)
Steel Authority of India Limited
Ispat Bhavan
Lodi Road, New Delhi-110003

Shri N.N. Akhouri
Vice President (Human Resources)
Hero Honda Motors Limited
Vasant Vihar
New Delhi-110057

Shri M.K. Anand
Director (Finance)
Department of Commerce
Ministry of Commerce and Industry
Udyog Bhawan
New Delhi-110011

Shri P.K. Aggarwal
Director (RCH- Finance)
Ministry of Health & Family Welfare
Nirman Bhawan
New Delhi-110011

Shri V.K. Jindal
Deputy Director (Cost)
Department of Public Enterprises
Ministry of Heavy Industries and Public Enterprises
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Prof. Pitabas Mohanty
Xavier Labour Relations Institute
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Shri Somil Nagpal
WHO RNTCP Consultant
Ministry of Health & Family Welfare
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Ms Gopa Sen,
Director,
National Sample Survey Organisation
New Delhi.

Dr. Tapas Sen,
Senior Fellow
National Institute of Public Finance and Policy
New Delhi

Shri Sunil Kumar Sharma,
Senior Administrative Officer, Local Bodies Unit
Office of, Comptroller and Auditor General
New Delhi.

Shri Nahar Singh
Dy. Controller, Aid Accounts & Audit,
M/O Finance
New Delhi.

Shri Anuj Sharma,
Deputy Secretary,
Ministry of Home Affairs,
New Delhi.

Dr Shajy Isac
Deputy Research Director
TNS Mode
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Dr Urmil Mahajan
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National Health Accounts : India, 2001-02

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Dr. Lysander Menezes,
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Shri R. B. Gupta
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National Finance Officer
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