

IAMR Report No. 3/1966

MANPOWER SURVEY
Health and Medical Manpower

STOCK OF NURSING PERSONNEL IN INDIA

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INSTITUTE OF APPLIED MANPOWER RESEARCH
INDRAPRASTHA ESTATE, RING ROAD
NEW DELHI-1

and

NATIONAL INSTITUTE OF HEALTH ADMINISTRATION
AND EDUCATION, PATIALA HOUSE,
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FOREWORD

This Working Paper sets out the results of one of a series of studies forming part of the Health and Medical Manpower Survey. This survey is a major project in this Institute in collaboration with the National Institute of Health Administration and Education.

2. This paper was first issued as a draft working paper in November, 1965 to interested persons/agencies for soliciting their comments and suggestions. Useful comments were received from the Indian Nursing Council, Regional Office for South East Asia of World Health Organisation and Directorate of Manpower of Ministry of Home Affairs. The paper was further reviewed by a Programme Sub-Committee in its meeting held on 19th September, 1966 which made a number of important suggestions. The paper has been revised in the light of the discussions and comments received.

3. Estimates of the stock of 'Nursing Personnel' in India are not available from any one single source. There are many sources each of which gives a partial picture of the available nursing personnel. The object of this paper is to bring together all the available information on the number and distribution of nursing personnel and then to arrive at a firm estimate of the stock of nursing personnel at the end of 1964, together with their distribution by sex, age and state.

4. The results set out in this paper present the best estimates that can be formed by piecing together information from a number of sources each of which is affected by incompleteness in some particulars and deficiencies in others. It is believed, however, that they are good enough to be accepted as a working basis for the present.

5. The Institute is grateful to the Indian Nursing Council for facilities offered in studying their registration data and to Miss T. K. Adranvala, Secretary of the Council for useful suggestions regarding the study.

6. The paper has been prepared by Shri Y. L. Ahuja of the Institute under the guidance of Dr. S. Krishnaswami Rao, Adviser to Institute of Applied Manpower Research on the Health and Medical Manpower Survey and Professor of Public Health Administration, National Institute of Health Administration and Education. Shri R. Ramalinga Iyer,

a former Research Officer of the Institute also made valuable suggestions. S/Shri Rukan Singh and S. B. Lal Saxena assisted in the collection and tabulation of the data.

(P. K. Das)
Director

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"APPENDICES"

Nursing Personnel in India 1961

State/Union Territory	Nurses			Midwives, Auxiliary Nurse-Midwives and Health Visitors			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
1. Andhra Pradesh	771	4,220	4,991	987	5,603	6,590	1,758	9,823	11,581
2. Assam	733	1,520	2,253	394	1,931	1,425	1,127	2,551	3,678
3. Bihar	4,562	4,683	9,245	392	4,793	5,185	4,954	9,476	14,430
4. Gujarat	165	2,541	2,706	113	1,386	1,499	278	3,927	4,205
5. Jammu and Kashmir	-	254	254	-	162	162	-	416	416
6. Kerala	211	2,949	3,160	-	2,495	2,495	211	5,444	5,655
7. Madras	870	5,227	6,097	-	4,390	4,390	870	9,617	10,487
8. Maharashtra	1,018	8,171	9,189	585	2,711	3,296	1,603	10,882	12,485
9. Nagaland	-	73	73	1	22	23	1	95	96
10. Orissa	31	1,071	1,102	-	294	294	31	1,365	1,396
11. Punjab	149	3,337	3,486	-	3,966	3,966	149	7,303	7,452
12. Uttar Pradesh	1,981	2,417	4,398	-	8,053	8,053	1,981	10,470	12,451
13. West Bengal	2,075	9,456	11,531	1,062	3,056	4,118	3,137	12,512	15,649
14. Rajasthan	3,028	4,013	7,041	362	925	1,287	3,390	4,938	8,328
15. Madhya Pradesh	445	3,939	4,384	36	4,871	4,907	481	8,810	9,291
16. Mysore	512	2,779	3,291	606	1,718	2,324	1,118	4,497	5,615
<u>Union Territories</u>									
17. Delhi	191	1,876	2,067	60	433	493	251	2,309	2,560
18. Himachal Pradesh	12	135	147	34	162	196	46	297	343
19. Tripura	9	165	174	5	73	7	14	238	252
20. Manipur	-	107	107	7	131	138	7	238	245
21. Pondicherry	16	132	148	9	107	116	25	239	264
22. N. E. F. A.	3	19	22	12	14	26	15	33	48
23. Sikkim	2	17	19	-	6	6	2	23	25
24. Andaman and Nicobar Islands	47	19	66	4	23	27	51	42	93
25. Dadra and Nagar Haveli	-	3	3	-	-	-	-	3	3
26. Laccadive, Minicoy and Amindiya Islands	1	-	1	-	11	11	1	11	12
27. Goa, Daman, and Diu	111	140	251	8	81	89	119	221	340
All-India	16,943	59,263	76,206	4,677	48,517	51,194	21,620	105,780	127,400

Source: Registrar General of India, Census of India Vol. I, Part II-B (ii), Table BV.

APPENDIX II

Nursing Personnel in Urban India, 1961

State/Union Territory	Nurses			Midwives, Auxiliary Nurse-Midwives and Health Visitors			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
1. Andhra Pradesh	588	3,475	4,063	356	1,692	2,048	944	5,167	6,111
2. Assam	40	549	589	105	183	288	145	732	877
3. Bihar	104	1,485	1,589	121	842	963	225	2,327	2,552
4. Gujarat	133	2,097	2,230	69	597	666	202	2,694	2,896
5. Jammu and Kashmir	-	201	201	-	99	99	-	300	300
6. Kerala	99	1,358	1,457	-	578	578	99	1,936	2,035
7. Madras	766	4,328	5,094	-	2,136	2,136	766	6,464	7,230
8. Maharashtra	950	7,070	8,020	499	908	1,407	1,449	7,978	9,427
9. Nagaland	-	11	11	1	14	15	1	25	26
10. Orissa	716	742	758	-	74	74	16	816	832
11. Punjab	108	1,550	1,658	-	1,399	1,399	108	2,949	3,057
12. Uttar Pradesh	967	2,023	2,990	-	2,193	2,193	967	4,216	5,183
13. West Bengal	1,660	6,597	8,257	641	1,125	1,766	2,301	7,722	10,023
14. Rajasthan	249	1,366	1,615	190	505	695	439	1,871	2,310
15. Madhya Pradesh	167	3,067	3,234	20	1,142	1,162	187	4,209	4,396
16. Mysore	433	2,343	2,776	296	752	1,048	729	3,095	3,824
<u>Union Territories</u>									
17. Delhi	186	1,826	2,012	59	424	483	245	2,250	2,495
18. Himachal Pradesh	4	82	86	14	47	61	18	129	147
19. Tripura	1	104	105	3	21	24	4	125	129
20. Manipur	-	35	35	1	42	43	1	77	78
21. Pondicherry	13	96	109	-	33	33	13	129	142
22. N.E.F.A.	-	-	-	-	-	-	-	-	-
23. Sikkim	2	11	13	-	3	3	2	14	16
24. Andaman and Nicobar Islands	16	14	30	-	6	6	16	20	36
25. Dadra and Nagar Haveli	-	-	-	-	-	-	-	-	-
26. Laccadive, Minicoy and Amindivi Islands	-	-	-	-	-	-	-	-	-
27. Goa, Daman and Diu	71	108	179	-	24	24	71	132	203
All-India	6,513	40,538	47,111	2,375	14,839	17,214	8,948	55,377	64,325

Source: Registrar General of India, Census of India, 1961, Vol. I, Part II-B(ii) Table BV.

Nursing Personnel in Rural India, 1961

State/Union Territory	Nurses			Midwives, Auxiliary Nurse-Midwives and Health Visitors			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
1. Andhra Pradesh	183	745	928	631	3,911	4,542	814	4,656	5,470
2. Assam	693	971	1,664	289	848	1,137	982	1,819	2,801
3. Bihar	4,458	3,198	7,656	271	3,951	4,222	4,729	7,149	11,878
4. Gujarat	32	444	476	44	789	833	76	1,233	1,209
5. Jammu and Kashmir	-	53	53	-	63	63	-	116	116
6. Kerala	112	1,591	1,703	-	1,917	1,917	112	3,508	3,620
7. Madras	104	899	1,003	-	2,254	2,254	104	3,153	3,257
8. Maharashtra	68	1,101	1,169	86	1,803	1,889	154	2,904	3,058
9. Nagaland	-	62	62	-	8	8	-	70	70
10. Orissa	15	329	344	-	220	220	15	549	564
11. Punjab	41	1,787	1,828	-	2,567	2,567	41	4,354	4,395
12. Uttar Pradesh	1,014	394	1,408	-	5,860	5,860	1,014	6,254	7,268
13. West Bengal	415	2,859	3,274	421	1,931	2,352	836	4,790	5,626
14. Rajasthan	2,779	2,647	5,426	172	420	592	2,951	3,067	6,018
15. Madhya Pradesh	278	872	1,150	16	3,729	3,745	294	4,601	4,895
16. Mysore	79	436	515	310	966	1,276	389	1,402	1,791
<u>Union Territories</u>									
17. Delhi	5	50	55	1	9	10	6	59	65
18. Himachal Pradesh	8	53	61	20	115	135	28	168	196
19. Tripura	8	61	69	2	52	54	10	113	123
20. Manipur	-	72	72	6	89	95	6	161	167
21. Pondicherry	3	36	39	9	74	83	12	110	122
22. N. E. F. A.	3	19	22	12	4	26	15	33	48
23. Sikkim	-	6	6	-	3	3	-	9	9
24. Andaman and Nicobar Islands	31	5	36	4	17	21	35	22	57
25. Dadra and Nagar Haveli	-	3	3	-	-	-	-	3	3
26. Laccadive, Minicoy and Amindivi Islands	1	-	1	-	11	11	1	11	12
27. Goa, Daman, Diu	40	32	72	8	57	65	48	89	137
All-India	10,370	18,725	29,095	2,302	31,678	33,980	12,672	50,403	63,075

Source: Registrar General of India, Census of India, 1961. Part II-B (ii), Table B V.

* Act No. 48 of 1947

APPENDIX IVThe Indian Nursing Council

1. The Indian Nursing Council Act* was passed in 1947. The first meeting of the Council was held in the year 1949. This Council was constituted with a view to establish a uniform standard of training of nurses, midwives and health visitors in India. The composition** of the Council consists of the following members:

Representatives of:	Elected
(a) State Nursing Council - Nurses	13
(b) Heads of institutions giving training for degree in nursing and post- certificate courses in teaching and administration	2
(c) Head of an institution training health visitors	1
(d) Medical Council of India	1
(e) Indian Medical Association	1
(f) Trained Nurses Association of India	1
(g) State Nursing Councils - Auxiliary Nurse-Midwives or Midwives	3
	Ex-Officio
(h) Director General of Health Services	1
(i) Chief Principal Matron Army	1

* Act No. 48 of 1947

** Section 3(1) of the Indian Nursing Council Act, 1947.

Ex-Officio

(j) Chief Nursing Superintendent, Directorate General of Health Services	1
(k) Director, Maternity and Child Welfare, Indian Red Cross Society	1
(i) Chief Administrative Medical Officers	15 Nominated
(m) Superintendent of Nursing Services	7
(n) Government of India Nominees	4 Elected
(o) Parliament	3

2. The Indian Nursing Council has, thus, 55 members, of whom 25 are elected, 26 are ex-officio and 4 are nominated by the Government of India. This composition consists of 31 Nurses, 19 Doctors and 5 others.

3. The Executive Committee consists of nine members, of whom seven are elected by the Council from among its members for a period of two years. The President and Vice-President of the Council are members ex-officio of the Executive Committee, and are President and Vice-President, respectively, of that Committee.

4. The Council meets annually at such time and place as may be appointed by the Government whereas the Executive Committee meets more frequently.

5. In addition to the functions connected with its own organisation, the Council is empowered to maintain a register of nurses, midwives, auxiliary nurse-midwives and health visitors; frame syllabi for training courses; make regulations for recognition of training institutions; inspect Schools of Nursing; and inspect examinations. Recognition of individual schools, conduct of examinations and registration are all the responsibility of the State Nursing Councils.

6. An amendment to the Act in 1957 made it incumbent on the Indian Nursing Council to compile and maintain an all-India Register of nursing personnel in India. The Register is compiled from the lists supplied to the Indian Nursing Council by the State Nursing Councils. It is this register which gives the total number of registered nursing personnel in the country with breakdown by sex and qualifications.

7. The maintenance of this all-India Register is one of the most important functions of the Indian Nursing Council. Moreover, the validity of the estimates to get the total/actual stock of nursing personnel in the country also depends upon these figures.

APPENDIX VStatewise Distribution of Nursing Personnel, 1964

State	Nurses	Midwives	Auxiliary Nurse- Midwives	Health Visitors
1	2	3	4	5
Andhra Pradesh	3,488	2,043	1,612	432
Assam	1,078	401	639	-
Bihar	1,686	492	841	180
Gujarat	1,204	602	1,159	107
Kerala	855	451	453	60
Madras	5,550	5,105	966	339
Maharashtra	8,916	3,817	1,617	283
Mysore	2,273	542	458	53
Orissa	593	175	358	-
Punjab	1,624	700	1,652	302
Rajasthan	1,614	226	552	20
Uttar Pradesh	2,837	1,477	921	570
West Bengal	4,316	1,988	1,369	350
Madhya Pradesh	1,710	894	1,425	127
Nagaland	52	24	-	-
Goa	30	21	-	-
Pondicherry	29	12	--	-
Manipur	-	--	129	-
Tripura	--	-	133	-
N. E. F. A.	-	-	80	-
Himachal Pradesh	44	10	114	17
Jammu and Kashmir	62	-	29	53
Delhi	539	224	26	237
All-India	38,500	19,204	14,533	3,130

Source: Indian Nursing Council.

APPENDIX VIOut-turn of Qualified Nursing Personnel from Different
Nursing Courses in India, 1950 to 1964

Year	General Nursing	B. Sc. Nursing	Trained Nurses who have done Midwifery	Midwives	Auxiliary Nurse- Midwives	Health Visitors	Total
1	2	3	4	5	6	7	8
1950	1,282	14	-	1,559	-	53	2,908
1951	1,236	21	-	1,628	-	56	2,941
1952	1,770	30	-	1,634	-	51	3,485
1953	1,740	20	-	1,983	-	56	3,799
1954	1,827	29	-	2,170	53	76	4,155
1955	1,962	21	1,058	1,274	42	106	4,463
1956	1,914	32	1,595	1,010	299	123	4,973
1957	2,078	17	1,141	1,529	501	214	5,480
1958	2,142	24	1,437	1,157	793	261	5,814
1959	2,563	32	2,529	449	955	362	6,890
1960	2,562	25	1,741	245	1,828	412	6,813
1961	2,851	43	1,851	426	2,083	315	7,569
1962	3,006	49	2,444	373	2,248	370	8,490
1963	3,493	42	2,733	504	2,644	307	9,723
1964	3,545	58	2,670	605	3,283	393	10,554
Total	33,971	457	19,199	16,546	14,729	3,155	88,057

Source: Indian Nursing Council.

APPENDIX VII

Out-turn of Nurses/Midwives who qualified Post-Basic Nursing Courses
from 1943 to 1964

Year	Ward Sister	Nursing Administra- tion	Sister Tutor	Midwifery Tutor	Public Health Nursing	Psychiatric Nursing	Public Health Supervision	Paediatric Nursing	Master of Nursing	Total
1943	-	-	6	-	-	-	-	-	-	6
1944	-	-	11	-	-	-	-	-	-	11
1945	-	5	12	-	-	-	-	-	-	17
1946	-	5	14	-	-	-	-	-	-	19
1947	7	19	8	-	-	-	-	-	-	34
1948	8	22	7	-	-	-	-	-	-	37
1949	-	8	15	-	-	-	-	-	-	23
1950	-	4	28	-	-	-	-	-	-	32
1951	-	12	24	-	-	-	-	-	-	36
1952	-	12	26	-	-	-	-	-	-	38
1953	-	29	13	-	13	-	-	-	-	55
1954	-	16	14	-	10	-	-	-	-	40
1955	-	24	10	-	3	-	-	-	-	37
1956	-	23	4	-	32	13	-	-	-	72
1957	45	15	25	8	34	15	-	-	-	142
1958	45	19	30	9	37	15	-	-	-	155
1959	74	18	42	8	57	17	-	-	-	216
1960	79	17	43	9	58	21	-	-	-	227
1961	110	12	67	10	69	20	12	-	6	306
1962	152	17	66	12	87	16	12	-	-	362
1963	139	14	69	12	98	16	12	5	6	371
1964	178	23	96	11	88	28	12	10	2	448
Total	837	314	630	79	586	161	48	15	14	2,684

Source: Indian Nursing Council.

The Institute of Applied Manpower Research was set up in 1962 by the Government of India to conduct research on problems of manpower planning. The main objects of the Institute are:-

- To advance knowledge about the nature, characteristics and utilisation of the human resources in India.
- To provide a broad perspective of requirements of trained manpower for economic development in different fields with due regard to the probable impact of technological changes on the pattern of employment.
- To develop improved methods and techniques for dealing with:-
 - training and development of the existing work force;

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... preparation for employment;

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