

Tracer Study of the Graduates of
Paramedical Programs under Tribhuvan
University of
Manmohan Memorial Institute of Health Sciences



Submitted by
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Manmohan memorial institute of health sciences is an academic institution of allied health sciences running under the umbrella of Nepal Health Care Co-operative limited (NEHCO) and conducting various health and allied courses like Bachelor in pharmacy, Bachelor of nursing science, Bachelor in public health, Bachelor of science in nursing, Bachelor of science in medical lab technology including M.N and M.PH programs along with various Council for Technical Education and Vocational Training (CTEVT) programs. We thrive to provide quality education in our institution. Although large numbers of students have already been graduated from our institution; information about the situation of these graduates is still limited. This tracer study was conducted with the main objective to provide information on the graduates and their employment status and to suggest the further employability and efficiency of graduates.

The Tracer Study covered the graduates of academic years from 2072 B.S to 2074 B.S of five bachelor level programs, i.e. Bachelor in pharmacy, Bachelor of nursing science, Bachelor in public health, Bachelor of science in nursing and Bachelor of science in medical lab technology running in our institution under T.U. affiliation. The total number of admitted students in these bachelor level programs were 202 with total of 185 graduates. Remaining students who may have passed later were excluded in this study. Among 185 graduates; we were able to trace 175 (94.5%) students. Data were collected by indirect telephonic interview method. Descriptive statistic was used for analysis where collected data was cross tabulated and reported with percentage and frequencies using Microsoft excel. The analysis of this tracer study was organized in dissections viz; 1.Profile of admitted students in different programs, 2. Pass rate of different programs of students at various academic year, 3. Distribution of traced graduates (responders), 4. Employment status of graduates, 5. Type of employment status of graduates, 6.Program wise distribution of employment status

The key findings of the study are presented under following headings

1. Profile of admitted students in different programs

Of the total 202 students admitted in various programs between 2072 and 2074 B.S at our institution; 59 studied pharmacy, 55 studied B.PH, 36 studied B.NS, 26 studied B.Sc Nsg and other 26 studied BscMLT program. Most of these students were females (72.3%). Gender distribution of admitted students in each program was as shown in table1.

Table 1: Profile of admitted students in different programs

Program	Male		Female		Total
	No	%	No.	%	
Bachelors in Pharmacy(B.pharm)	29	49.1%	30	50.9%	59
Bachelor in public Health (B.PH)	20	57.1%	35	42.9%	55
Bachelor of nursing science (B.NS)	0	0%	36	100%	36
Bachelor of science in Nursing(BSc Nsg)	0	0%	26	100%	26
Bachelor of science in Medical lab technology (Bsc MLT)	7	26.9%	19	73.1%	26
Total	56	27.7%	146	72.3%	202

2. Pass rate of different programs in various academic year

Out of 202 admitted students, 185 were graduated at respective year. Pass rate was 100% in academic programs of BNS, BScNsg and BScMLT whereas in BPH and BPharmacy it was 87.27% and 83.05% respectively.

Year wise pass rate of different programs was as shown in table 2.

Table 2: Pass rate of different programs of students in various academic year

Year	Pass rate of students in different batches of different programs									
	B.Pharm		B.PH		B.NS		Bsc.Nsg		Bsc.MLT	
	Total students admitted	Pass rate	Total students admitted	Pass rate	Total students admitted	Pass rate	Total students admitted	Pass rate	Total students admitted	Pass rate
2072	9	66.7%	18	72.2%	-	-	6	100%	6	100%
2073	23	86.9%	17	100%	36	100%	20	100%	10	100%
2074	27	85.1%	20	90%	-	-	-	-	10	100%
Total	59	83.05%	55	87.27%	36	100%	26	100%	26	100%

3. Distribution of traced students

Out of 185 graduates we were able to trace 175 i.e. 94.5% of students for their employment status. We were able to trace 89.79% pharmacy graduates, 97.91% public health graduates, 91.67% BNS graduates, 100% of Bsc Nsg graduates and 96.15% Bsc MLT graduates which was as shown in table 3.

Table 3: Distribution of traced graduates (responders)

Name of program	Graduates	Traced	% Traced
Bachelors in Pharmacy	49	44	89.79%
Bachelor in public Health	48	47	97.91%
Bachelor of nursing science (BNS)	36	33	91.67%
Bachelor of science in Nursing (Bsc Nsg)	26	26	100%
Bachelor of science in Medical lab technology (Bsc MLT)	26	25	96.15%
Total	185	175	94.5%

4. Employment status of responders

Among 175 graduates;130 i.e 74.28% were employed in various organizations whereas 25.14% graduates continued their further study either in home country or abroad. Very few graduated remained unemployed i.e. 2.12%. We found high rate i.e 89.36% of employment for public health programs and Bsc MLT program i.e. 88% whereas BNS graduates were less (54.5%) employed and similar was the situation for Bsc Nsg graduates i.e only 61.54%. B.pharmacy graduates were 72.72% employed after their graduation.

Table 4: Employment status of responders

Program	Employed		Not employed		Abroad / further study		Total
	No.	%	No.	%	No.	%	
Bachelors in Pharmacy	32	72.72%	0	0%	12	27.28%	44
Bachelor in public Health	42	89.36%	1	2.12%	4	8.52%	47
Bachelor of nursing science (BNS)	18	54.5%	0	0%	15	45.5%	33
Bachelor of science in Nursing (Bsc Nsg)	16	61.54%	0	0%	10	38.46%	26
Bachelor of science in Medical lab technology (Bsc MLT)	22	88%	0	0%	3	12%	25
Total	130	74.28%	1	0.57%	44	25.14%	175

5. Type of employment status of graduates

Among 130 graduates who got employed 26.2% of them had secured jobs in governmental position whereas 73.8% of employed graduates were consumed in different nongovernmental sectors like private hospitals, clinics, laboratories, industries, charity or non-profitable organizations, research projects etc.

Table 5: Type of employment status of traced graduates among employed

Type of employment	Frequency	Percentage
Governmental	34	26.2%
Non-governmental /others	96	73.8%
Total	130	100%

6. Program wise distribution of employment status among employed graduates

Bachelor of science in nursing (Bsc Nsg) graduates were doing government jobs at high rate i.e 43.75%, followed by Bachelor of nursing science (BNS) graduates (33.33%) among other graduates from different programs. We observed 76.5% of B.PH graduates were doing non-governmental jobs and other as shown in table 6.

Table 6: Program wise distribution of type of employment among employed graduates

Program	Governmental, N (%)	Non-governmental /others, N (%)	Total
Bachelors in Pharmacy	8(25%)	24(75%)	32
Bachelor in public Health	8(23.5%)	34(76.5%)	42
Bachelor of nursing science (BNS)	6(33.33%)	12(66.67%)	18
Bachelor of science in Nursing (Bsc Nsg)	7(43.75%)	9(56.25%)	16
Bachelor of science in Medical lab technology (Bsc MLT)	5(22.7%)	17(77.3%)	22
Total	34(26.2%)	96(73.8%)	130

Conclusions

With the broader objectives as to make significant contribution on employment creation or poverty reduction of country either by preparing graduates as per the employment needs i.e health care empowerment of country or making them capable enough to create new employment, MMIHS has been running various bachelor level health and allied programs in our institution. Based on results of this tracer study we concluded that females are more admitted than male. Pass rate of students are high which is at least 80%. More students are employed and less are unemployed. One third of traced graduates seek further study or going abroad and their employment status is uncertain. When it comes to employment; most graduates are absorbed in non-governmental sector in comparison to governmental sector. Nursing programs is having low employing rate in comparison to other programs after graduation. In the other hand graduates from nursing programs have high employment rates in governmental sector among different program, BSc MLT being in the last list.