

CHAPTER FOUR

RESULTS

Table 1: Socio-demographic Characteristics

Variable	Doctors	Pharmacists	Nurses	Medical Lab Scientists	Pharmacy Technicians/CHEW	Radiographers	Hospital Cleaners	Total
Health Positions	32(23.19%)	29(21.01%)	45(32.61%)	11(7.97%)	10(7.25%)	2(1.45%)	9(6.52%)	
Interns/ IT Students	12 (37.50%)	17 (58.62%)	3(6.67%)	-	-	-	-	32 (23.19%)
Corp Members	1(3.13%)	1(3.45%)	2(4.44%)	-	-	-	-	4 (2.90%)
Residents	14(43.75%)	11(37.93%)	14(31.11%)	-	-	-	-	39(28.26%)
Higher Positions	5(15.63%)	-	26(57.78%)	-	-	-	-	31(22.46%)
Others(Unclassified)				11	10	2	9	32(23.19%)
Age (years)								
20-30	14(43.75%)	22(75.86%)	20 (44.44%)	2(18.18%)	6(60.00%)	-	-	64(46.38%)
31-40	12(37.50%)	4(13.79%)	17(37.78%)	4 (36.37%)	4(40.00%)	2(100%)	6(66.67%)	49(35.51%)
41-50	5(15.73%)	1(3.45%)	5(11.11%)	5(45.45%)	-	-	3(33.33%)	19(13.87%)
> 50	1(3.12%)	2(6.90%)	3 (6.67%)	-	-	-	-	6(4.35%)
Gender								
Female	16(17.2%)	20(21.5%)	38(40.9%)	7(7.5%)	20(21.5%)	4(4.3%)	8(8.6%)	93(67.4%)
Male	16(35.6%)	9(20.0%)	7(15.6%)	4(8.9%)	6(13.3%)	2(4.4%)	1(2.2%)	45(32.6%)
Experience								
0-5	16(50.0%)	26(89.66%)	21(46.67%)	3(27.27%)	8(80.00%)	-	-	74(53.62%)
6-10	9(28.12%)	-	14(31.11%)	3(27.27%)	-	2(100%)	3(3.33%)	31(22.46%)
11-15	3(9.38%)	-	7(15.56%)	3(27.27%)	-	-	4(4.44%)	17(12.31%)
Greater than 15	4(12.5%)	3(10.34%)	3(6.67%)	2(18.18%)	2(20.00%)	-	2(2.22%)	16(11.60%)

Table 2a: KNOWLEDGE OF HBV AND HCV

Variable	Doctors n(%)	Nurses n(%)	Pharmacist n(%)	Medical Lab Scientist n(%)	Pharmacy Technicians/CHEWs n(%)	Radiographers n(%)	Hospital Cleaners n(%)	Total n(%)
Have you received formal training before?								
Yes	23(85.19%)	40(88.89%)	14(48.28%)	11(100%)	5(50.00%)	2(100.00%)	0	95(68.84%)
No	4(14.81%)	4(8.89%)	13(44.83%)	0(0.00%)	5(50.00%)	0(0.00%)	2(100%)	40(28.99%)
Maybe	0(0.00%)	1(8.89%)	2(6.90%)	0(0.00%)	0(0.00%)	0(0.00%)	0	3(2.17%)
Which of the following are common symptoms of HBV and HCV								
Jaundice	32(100.00%)	42(93.33%)	22(75.86%)	11(100.00%)	8(80.00%)	2(100.00%)	2(22.22%)	119(86.23%)
Fatigue	13(40.63%)	6(13.33%)	21(72.41%)	2(18.18%)	1(10.00%)	0(0.00%)	1(11.11%)	44(31.88%)
Abdominal Pain	30(93.75%)	36(80.00%)	19(65.52%)	10(90.91%)	6(60.00%)	2(100.00%)		103(77.64%)
Loss of Appetite	27(84.38%)	36(80.00%)	19(65.52%)	11(100.00%)	3(30.00%)	1(50.00%)		97(70.28%)
Through which routes can Hepatitis be transmitted								
Contact with blood and products	32(100.00%)	45(100.00%)	27(93.10%)	11(100.00%)	10(100.00%)	2(100.00%)	6(66.67%)	133(96.68%)
Intercourse	32(100.00%)	45(100.00%)	29(100.00%)	11(100.00%)	10(100.00%)	2(100.00%)	5(55.56%)	134(97.10%)
Faecal-oral	26(81.25%)	37(82.22%)	15(51.72%)	9(81.82%)	8(80.00%)	2(100.00%)	4(44.44%)	101(73.19%)
Contaminated water	8(25.00%)	11(24.44%)	12(41.38%)	2(22.22%)	4(40.00%)	0(0.00%)	2(22.22%)	39(28.26%)
Blood Transfusion	32(100.00%)	45(100.00%)	27(93.10%)	11(100.00%)	10(100.00%)	2(100.00%)	6(66.67%)	133(96.38%)

Hepatitis B and C virus can be transmitted as a nosocomial infection								
Yes	30(93.75%)	40(88.89%)	19(65.52%)	9(81.82%)	4(40.00%)	2(100.00%)	1(11.11%)	24(17.39%)
No	2(6.25%)	2(4.44%)	2(6.90%)	1(9.09%)	1(10.00%)	0(0.00%)	1(11.11%)	9(6.52%)
I don't know	0(0.00%)	3(6.67%)	8(27.59%)	1(9.09%)	5(50.00%)	0(0.00%)	7(77.78%)	105(76.10%)
Hepatitis B and C viruses are transmitted faster than HIV/AIDS								
Yes	26(81.25%)	42(93.33%)	24(82.76%)	10(90.91%)	10(100.0%)	2(100.00%)	1(11.11%)	115(83.33%)
No	3(33.33%)	0(0.00%)	1(3.45%)	0(0.00%)	0(0.00%)	0(0.00%)	3(33.33%)	7(5.07%)
I don't know	3(33.33%)	3(6.67%)	9(31.03%)	1(9.09%)	0(0.00%)	0(0.00%)	5(55.56%)	16(11.59%)
Healthcare worker are at risk of hepatitis B infection by their work								
Yes	32(100.00%)	43(95.56%)	29(100.00%)	11(100.00%)	10(80.00%)	2(100.00%)	9(100.00%)	134(97.10%)
No	0(0.00%)	2(4.45%)	0(0.00%)	0(0.00%)	1(10.00%)	0(0.00%)	0(0.00%)	3(2.17%)
I don't know	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	1(10.00%)	0(0.00%)	0(0.00%)	1(0.72%)
Which of the following practices can prevent HBV and HCV infections?								
Vaccination	32(100.00%)	43(95.56%)	28(96.55%)	11(100%)	10(100.00%)	2(100.00%)	1(11.11%)	127(92.03%)
Using PPE	32(100.00%)	43(95.56%)	27(93.10%)	11(100%)	8(80.00%)	2(100.00%)	8(88.89%)	131(94.93%)
Disposal of Sharps	32(100.00%)	43(95.56%)	25(86.21%)	11(100%)	9(90.00%)	2(100.00%)	8(88.89%)	130(94.20%)

Avoid contact with blood	32(100.00%)	41(91.11%)	25(86.21%)	11(100%)	9(90.00%)	2(100.00%)	8(88.89%)	128(92.75%)
Is there a vaccine available for HBV?								
Yes	32(100.00%)	40(88.89%)	28(96.56%)	10(90.09%)	9(90.00%)	2(100.00%)	1(11.11%)	122(88.41%)
No	0(0.00%)	1(2.22%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	2(22.22%)	3(2.17%)
I don't know	0(0.00%)	4(8.89%)	1(3.45%)	1(9.91%)	1(10.00%)	0(0.00%)	6(66.67%)	13(9.42%)
Is there a vaccine available for HCV?								
Yes	7(18.75%)	9(20.00%)	7(24.13%)	2(18.81%)	1(10.00%)	0(0.00%)	1(11.11%)	27(19.57%)
No	19(59.38%)	16(35.55%)	12(41.38%)	4(36.36%)	1(10.00%)	1(50.00%)	2(22.22%)	55(39.86%)
I don't know	6(18.75%)	20(44.44%)	10(34.48%)	5(45.45%)	8(80.00%)	1(50.00%)	6(6.67%)	56(40.58%)
Can HBV and HCV be treated effectively if detected early								
Yes	29(90.63%)	42(93.33%)	29(100.00%)	11(100.00%)	10(0.00%)	2(100.00%)	7(77.78%)	130(94.20%)
No	2(6.25%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	2(1.45%)
I don't know	1(3.13%)	3(6.67%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	2(2.22%)	6(4.35%)
How often should health workers be screend for HBV AND HCV?								
Annually	2(6.25%)	14(31.11%)	8(27.59%)	3(27.27%)	2(20.00%)	0(0.00%)	3(33.33%)	32(23.19%)
Every 2 years	2(6.25%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	2(1.45%)
Every 6 months	28(87.50%)	31(68.89%)	20(68.97%)	8(72.72%)	8(80.00%)	2(100.00%)	6(66.67%)	103(74.64%)

Only when symptomatic	0(0.00%)	0(0.00%)	1(13.45%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	1(0.72%)
------------------------------	-----------------	-----------------	------------------	-----------------	-----------------	-----------------	-----------------	-----------------

Table 2b: Overall Knowledge of HBV and HCV

	Doctors n(%)	Nurses n(%)	Pharma cists n(%)	Medical Lab Scientis ts n(%)	Pharma cy Tech/C HEW n(%)	Radiogr aphers n(%)	Hospital Cleaner s n(%)	Total n(%)
Poor	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	0(0.00%)	2(22.22%)	2(1.45%)
Fair	0(0.00%)	0(0.00%)	1(3.45%)	0(0.00%)	1(10.00%)	0(0.00%)	5(55.57%)	7(5.07%)
Good	2(6.25%)	13(28.89%)	12(41.38%)	2(18.18%)	6(60.00%)	0(0.00%)	2(22.22%)	37(26.81%)
Excellent	30(93.75%)	32(71.10%)	16(55.17%)	9(81.82%)	3(30.00%)	2(100.00%)	0(0.00%)	92(66.67%)

Knowledge level overall is Good

Table 3: PERCEPTION OF HEALTHCARE WORKERS CONCERNING HBV AND HCV

Questions	Strongly Agree	Agree	Neutral	Disag ree	Stron gly Disag ree	Mean	Perce ption
Are healthcare workers at higher risk of contracting HBV and HCV than the general population?	69(50.00%)	58 (42.03%)	9(6.52%)	2 (1.45%)	0 (0.00%)	4.41	High percepti on
HBV and HCV are major health concerns in your workplace.	50(36.23%)	62 (44.93%)	20 (14.49%)	6 (4.35%)	0 (0.00%)	4.13	High percepti on
I am concerned about the possibility of contracting HBV or HCV from patients.	60(43.48%)	61 (44.20%)	10(7.25%)	7(5.07%)	0 (0.00%)	4.26	High percepti on

Do you believe that HBV and HCV can be eradicated with proper prevention practices?	63(45.65%)	72 (52.18%)	0 (0.00%)	3(2.71%)	1 (0.72%)	4.38	High perception
Do you believe that regular training on HBV and HCV prevention for healthcare workers is Important?	89(64.49%)	47(34.06%)	1 (0.72%)	0(0.00%)	1(0.72%)	4.61	High perception
Do you think the hospital management is doing enough to prevent HBV and HCV infections among healthcare workers?	4(2.9%)	26 (18.84%)	35(25.36%)	51(36.96%)	22 (15.94%)	2.56	Low Perception
Would you be interested in more educational resources on HBV and HCV?	58(42.03%)	76 (55.07%)	2(1.45%)	0(0.00%)	2(1.45%)	4.36	High perception

Table 4a: ATTITUDE OF HEALTHCARE WORKERS TOWARDS HBV AND HCV

Measures you take to prevent infection	Doctor	Nurses	Pharmacists	Med Lab Scientists	Pharmacy Tech	Radiographer	Cleaner	Total
Wearing of Hand gloves	32(100.00%)	44(97.78%)	24(82.76%)	11(100.00%)	9(90.00%)	2(100.00%)	9(100.00%)	131(94.93%)
Disposal of Sharps	32(100.00%)	43(95.56%)	27(93.10%)	10(90.91%)	8(88.00%)	2(100.00%)	8(88.89%)	130(94.20%)
Use of Antibiotic	3(9.34%)	10(22.22%)	2(6.94%)	0(0.00%)	0(0.00%)	0(0.00%)	4(44.44%)	19(13.77%)

s								
Avoid Patients	8(3.13%)	9(20.00%)	6(20.69%)	1(9.09%)	1(1.00%)	0(0.00%)	1(11.11%)	26(18.84%)
How often do you wear hand gloves?								
Always	15(46.88%)	22(48.89%)	5(17.24%)	4(36.36%)	2(20.00%)	1(50.00%)	0(0.00%)	49(35.50%)
Often	15(46.88%)	22(48.89%)	5(17.24%)	7(63.64%)	2(20.00%)	1(50.00%)	8(88.89%)	60(43.48%)
Never	0(0.00%)	0(0.00%)	6(20.69%)	0(0.00%)	1(10.00%)	0(0.00%)	0(0.00%)	7(5.07%)
Sometimes	2(6.25%)	1(2.22%)	6(20.69%)	0(0.00%)	1(10.00%)	0(0.00%)	0(0.00%)	10(7.25%)
Rarely	0(0.00%)	0(0.00%)	7(24.14%)	0(0.00%)	4(40.00%)	0(0.00%)	1(11.11%)	12(8.70%)
Have you taken the Vaccine before?								
Yes	25(78.13%)	0(0.00%)	8(27.59%)	0(0.00%)	7(70.00%)	0(0.00%)	0(0.00%)	40(28.99%)
No	6(18.75%)	18(40.00%)	18(62.07%)	2(18.18%)	3(30.00%)	1(50.00%)	8(88.89%)	56(40.56%)
I don't know	1(3.15%)	27(60.00%)	3(10.34%)	9(81.18%)	0(0.00%)	1(50.00%)	1(11.11%)	42(30.43%)
If yes, How many doses								
One	0(0.00%)	2(4.44%)2(4.44%)	4(13.79%)4(13.79%)	0(0.00%)	4(13.79%)0(0.00%)	0(0.00%)	0(0.00%)	6(4.35%)
Two	9(28.13%)	21(46.67%)4(8.89%)	1(3.45%)1(3.45%)	1(9.09%)1(9.09%)	1(3.45%)2(20.00%)	1(10.00%)0(0.00%)	0(0.00%)	17(12.32%)
Three	17(53.13%)	4(8.89%)21(46.67%)	5(11.11%)5(17.24%)	8(72.72%)8(72.72%)	5(11.11%)5(50.00%)	1(50.00%)	0(0.00%)	57(41.30%)

Table 4b: Overall Attitude of BSUTH Health workers towards practices of HBV and HCV

Attitude	Doctors	Nurses	Pharmacists	Med Lab Scientists	Pharmacy Tech/Chew	Radiographers	Hospital Cleaners	Total
Positive	31(96.88%)	44(97.78%)	16(55.17%)	11	9(90.00%)	1(50.00%)	3(33.33%)	122(88.41%)
Negative	1(3.12%)	1(2.22%)	13(44.83%)	0(0.00%)	1(10.00%)	1(50.00%)	6(66.67%)	16(11.59%)

Table 5a: Association between socio-demographic variables and level of knowledge

	χ^2	P-value	Interpretation
Age	13.341	0.147	No significant association
Gender	1.0696	0.784	No significant association
Experience level	19.322	0.023	There is a significant association
Area of Practice	104.472	3.334	There is a significant association
Health Positions	34.796	0.0005	There is a significant association

Table 5b: Association between sociodemographic variables and Attitude

	χ^2	P-value	Interpretation
Age	5.159	0.1605	No significant association
Gender	0.026	0.872	No significant association
Experience level	9.042	0.029	There is a significant association

Area of Practice	40.362	3.866	There is a significant association
Health Positions	15.907	0.0031	There is a significant association

Fig 1:

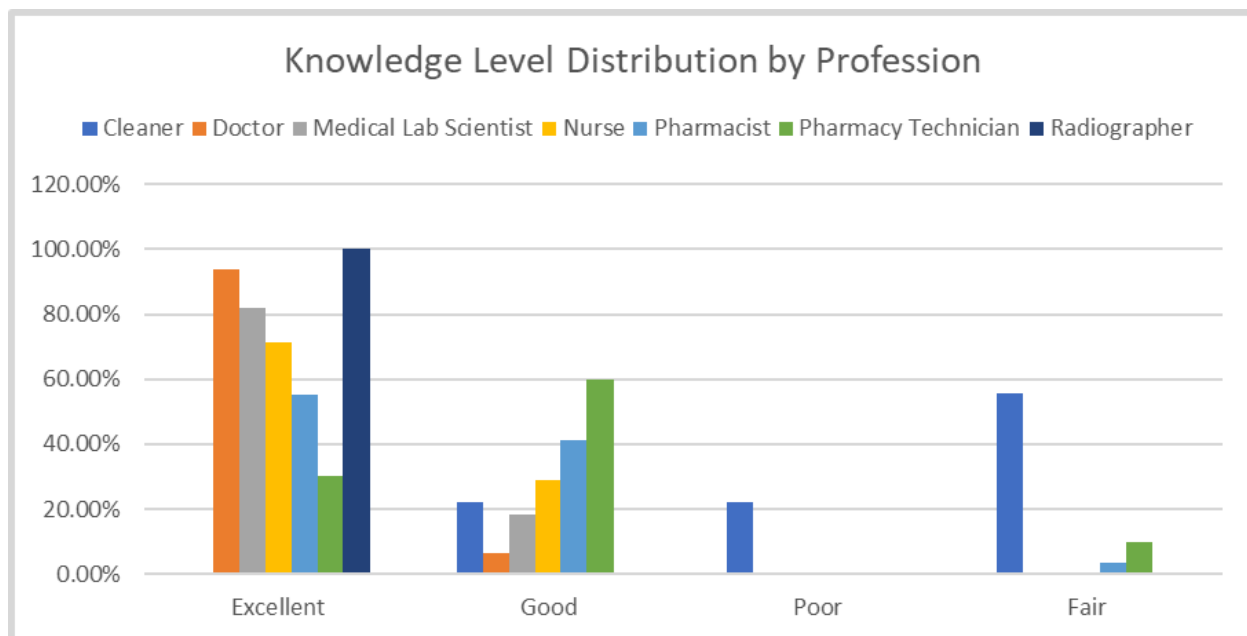


Fig 2:

Attitude Level Distribution by Profession

