



**STUDENTS INDUSTRIAL WORK
EXPERIENCE SCHEME
(SIWES)
TECHNICAL REPORT**

BY

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CERTIFICATION

This is to certify that this report is a detailed account of the Student Industrial Work Experience Scheme (SIWES) undertaken by **DAKORU KELVIN M.** at **MERIDIAN HOSPITAL , PORT HARCOURT** for a period of 3month and has been prepared in accordance to regulation guiding the proportion of reports in the Faculty of Pharmacology , AFE BABALOLA UNIVERSITY.

STUDENT'S NAME AND SIGNATURE

DATE

SIWES SUPERVISOR NAME AND SIGNATURE

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1.0 INTRODUCTION

1.1 PURPOSE OF TRAINING

It was aimed at bridging the gap between the theoretical knowledge acquired in classes and technical knowledge in the industry by providing students with the opportunities to apply their educational knowledge in real work situations. Over the years, SIWES has contributed immensely to building the common pool of technical and allied skills available in the Nigeria economy which are needed for the nation's industrial development.

Furthermore, the place and relevance of SIWES is underscored by the fact that the scheme contributes to improving the quality of technical skills generally available in the pool from which employer's source technical manpower. It gives student the opportunity to blend the theoretical knowledge acquired in the classroom and with practical hands-on application of knowledge required to perform work in the industry. Also, it prepares students for employment and makes the transition from school to the world of work easier after graduation.

I undertook my SIWES at Meridian Hospital (Pharmacy Department) which is located at D-line, Port Harcourt, Rivers, Nigeria from May to August 2019.

1.2 BRIEF OVERVIEW OF MERIDIAN HOSPITAL

Meridian Hospital (also spelled Meridian Hospitals) is a private hospital located in the neighbourhood of D-line in Port Harcourt, Rivers State, Nigeria. It was founded in 1996 in a rented apartment complex in Diobu. In 2003, the hospital moved into its own building at 21 Igbokwe Street. Its capacity and workforce were subsequently increased to keep up with the growing healthcare demands.

ABOUT THE HOSPITAL

Meridian Hospitals Port Harcourt was founded in 1996 as a dream project to advance the ideals of medical practice in Nigeria, beginning from our immediate locality in Port Harcourt. Over the last years, they have grown into a multi-specialist hospital providing services in general and specialist care; General Medicine, Surgery, Obstetrics/Gynaecology, Urology, Assisted Fertility (IVF/ICSI), Paediatrics, Optometry, Ophthalmology, Orthopaedic, Dentistry, ENT and Audiometry, Family Medicine, Physiotherapy and diagnostic support services including Automated Laboratory, Spirometry, Digitalized Imaging Unit, ECG and Ultrasound, Dialysis, Advanced

Laparoscopy/Endoscopy, Intensive Unit, etc meeting global best practice. They are equipped to meet acceptable global standards in manpower and machines.

MERIDIAN HOSPITALS VISION

- TO BE THE BEST BY BEING THE BEST OF WHAT WE ARE AND WHAT WE SHOULD BE TO OURSELVES TO OUR PATIENTS AND TO OUR SOCIETY.

MERIDIAN HOSPITALS MISSION

- BECAUSE LIFE IS THE ULTIMATE POSSESSION, AND BECAUSE WE ARE ENGAGED IN THE ENDURING TASK OF PRESERVING THIS MOST ESSENTIAL FACTOR OF CREATION, WE REMAIN COMMITTED TO SERVING HUMANITY WITH ALL ABILITY, IN LOVE AND CARE, BELIEVING SAME IN THE UNSEEN HANDS OF GOD ALMIGHTY, THE GREATEST HEALER, THAT NONE SHALL DIE WHO SHALL LIVE.

1.3 PHARMACY DEPARTMENT

The Pharmacy Department is distributed into several units across Meridian hospital. It's primarily responsible for the proper supply of medicines alongside proper storage and distribution throughout the hospital. They (Pharmacist) mostly work alongside the physicians and Nurses in the Patients wards in giving the Right Medications, Right Dose and Right drug counselling to the Right Patients.

The majority of hospital Pharmacists are involved in patient Pharmaceutical Care which is the responsible provision of drug therapy for the purpose of achieving definite outcomes that improves a patient's quality of life. These outcomes are the cure of diseases, elimination or reduction of a patient's symptomatology, arresting or slowing of a disease process or preventing a disease. They also involve in dispensary management, medicine information, aseptic compounding and medication safety.

PHARMACY UNITS IN MERIDIAN HOSPITAL

- o In-Patient Pharmacy Unit

- IPP Unit
- o Out-Patient Pharmacy Unit
 - Out-Patient department
- o Drug storage Unit

2.0 TRAINING PROGRAMME

2.1 DESCRIPTION OF TRAINING EXPERIENCES

During my SIWES training at MERIDIAN HOSPITAL pharmacy, I carried out my training program in two pharmacy departments. i.e. OPD (Out Patients Department) and Drugs Store.

- OUT PATIENTS PHARMACY

I resumed work at the Out Patient Pharmacy Department on the 20th May, 2019. On the first day, I was introduced to the operations and activities in the Unit. Before the end of the day, I got familiarized with the Unit and Drugs present in the Pharmacy. The Out patient Unit deals with discharged patients and sometimes in-patients. They attend to Patients in the ward and patients discharged from the ward by dealing with their treatment sheet which contains their profile, Drugs prescribed by the physician. These Treatment sheets are sent to the pharmacy for review and dispensary of the drugs prescribed to respective patients in the ward and discharged from the ward.

I learnt about the proper routine of attending to Prescriptions (Interpretation, Assessment and Dispensing and Counseling), I went through most of the Prescriptions to Check for its completeness and accuracy. Learning extensively about the component of a prescription. On a daily basis, I learnt while carrying out the Desk work Activities in the Unit. As I was allowed to Assess, Dispense and counsel some patients, all under the supervision of the pharmacist-in-charge.

Also, the First day of the Month, we as a Unit go through all the drugs left in the pharmacy from the previous month, attending to the ones that are going to expire that month and the month to come, we also take an inventory of drugs dispensed to out-patients the previous month checking if all were delivered to the recipients. At the End of the month, I alongside the Pharmacists took Stock count of all the drugs in the unit which is an end-of-the-month routine in the pharmacy.

Out-patient Pharmacy is under the Family Medicine department where they deal with General Out-Patients under the:

NHIS (National Health Insurance Scheme) I.e. Government and Non-Government Workers, Meridian workers and alongside Students under TISHIP (Tertiary institution social health insurance scheme) who are under this scheme can access good and effective Health care services at an affordable cost through various prepayment systems. Those under this scheme contribute monthly or annually to the pool in which the Collective money is been used to subsidize Health cost for all beneficiaries.

Fee Paying Patients I.e. Those that aren't under the NHIS. Here, Patients would have to pay in full for their drugs.

o DRUG STORAGE UNIT

After 9weeks training at OPD, I was transferred to the Drug storage unit to continue my training experience . I was orientated on the operations and Activities been carried out in the unit.

On resumption, every morning , I do a stock evaluation of all the drugs to be dispensed to both the IPP and OPD. Under the supervision of pharmacists, I participated in Prescriptions Assessment, dispensing and sometimes Counselling of Patients. Also, toward the end of every working hours, I'm assigned the role of taking an inventory of all drugs collected from the store and keeping a record of the ones that are left in the store, I also prepare the drugs to be prescribed by the night workers in the hospital.

I got familiarized with the classes of Drugs present in the Unit day by day. During my work period here at Drug Storage Unit, I was made to read up, do some findings and present on a topic, "The Recent Trends in the Management of Hypertension" and also talk about 2 drugs for 2 days (their Indications, Interactions and side effects).

RELATION OF WORK EXPERIENCE TO THEORY LEARNT IN SCHOOL.

With Respect to theory learnt in school:

- I was able to carry out adequate pharmaceutical care and resolve drug therapy problems, also counselled several patients on how and when to use their medications.
- I was able to learn more about drug-drug interaction and drug-food interactions and side effects of drugs based on what I learnt in Clinical Pharmacy and Pharmacology.

3.0 OBSERVATIONS AND CONTRIBUTIONS

3.1 OBSERVATIONS

As a student, my first observation was the cognition of the difference between the “school environment and its activities” and the “Work Environment and Activities”, as it is a different ball game entirely. I observed that a Hospital Pharmacy does not look like a classroom environment where lectures are being taught. It’s a place where one practice what he/she has learnt in the classroom. Also, a Place where you have the Opportunity to learn while you delivering services to the patients in relation to unusual Clinical problems, uncommon Drug interactions and side effects.

3.2 CONTRIBUTIONS

My contributions were shown in my work done and services as a SIWES student. I was able to maximize the Job efficiency and work output in my Posted Units by assisting in carrying out the desk work activities of the pharmacy such as aiding the work rate of the pharmacists by Assessing, Dispensing Prescriptions, and Counseled Patients under Supervision, Stock counting. Thereby speeding up the job completion process and reducing the workload of the working Pharmacist in the units

Also, assisted in putting into the Hospital records, the Patient’s data and their drugs information.

3.3 CHALLENGES ENCOUNTERED DURING PERIOD OF TRAINING

- Costing and Filling the prescriptions but as time went on, I was able to get accustomed to the system, prices and calculations of the number of tablets the patient will use for a particular duration indicated.
- Short-staff number of Pharmacists available, which results in much more work-load on an individual pharmacist, slowing down the rate of delivering services to the patients. Which could lead to frustration on both ends
- Errors in costing due to sudden changes in prices of drugs, wrong dosage, strength etc.
- Dealing with difficult patients in terms of attitude and impatience. With a positive attitude towards work, I was able to deal with this.

4.0 CONCLUSIONS AND RECOMMENDATION

4.1 CONCLUSION

My Three months Training as a pharmacology Student at Meridian Hospital (Pharmacy Unit) was a huge success and a great time of acquisition of knowledge and skills. It brought a more practical approach to the knowledge of pharmacy and was an eye-opening to the scope of hospital pharmacy practice including their roles, responsibility in the health care system in large. Through my training, I was able to appreciate my chosen course of study (pharmacology) even more, because I had the opportunity to blend the theoretical knowledge acquired from school with the practical hands-on application of knowledge gained here to intervene in Patient-related Clinical Problems that contributed in a way to my productivity in the organization. My training here has given me a broader view to the importance and relevance of pharmacology in the immediate society and Hospital, as I now look forward to joining my future colleagues to improving the pharmacology Profession positively after graduation. A wide variety of experiences was acquired with relation to Prescription Interpretations & Assessments and Dispensary, Drug interactions and Pharmaceutical care. I have also been able to improve my communication and presentation skills and thereby developed a good relationship with Pharmacist and Interns at work and majorly with the patients. I have also been able to appreciate the connection between my course of study and other health-related disciplines in achieving a common goal of the Patient's interest.

4.2 RECOMMENDATIONS

With Respect to Challenges stated above:

Firstly, I recommend that Technology should be much more improved upon in the aspect of storage of medical records of patients present in the wards, and for also the hospital's pharmacy software used in assessing & costing of prescriptions should be frequently updated in other to obtain the trends of drugs available in the Hospital and their current prices.

Also, recommend that more qualified Pharmacists should be employed in other to make work Easier, Faster and more Accurate. They have insufficient or no time at all in proper supervision and engagement of trainees.

Allowances should be paid to students during their programme just like NYSC and not after. This would help them a great deal to handle some financial problems during their training course.

REFERENCES

- Students industrial work experience scheme guide to successful participation in SIWES.
- EMDEX; The complete drug formulary for Nigeria's Health Professionals. 2017-2018 edition