

Improving COVID-19 IPC Quality in a Private Mission Tertiary Institution in Nigeria

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1[DEPT MEDICAL MICROBIOLOGY BUTH], 2[DEPT SURGERY BUTH], 3[DEPT FAMILY MEDICINEBUTH], 4[DEPT MEDICINE BUTH], 5[DEPT COMMUNITY MEDICINE BUTH]

THE PROBLEM

- PREVENTION OF COVID-19 TRANSMISSION WITHIN THE HOSPITAL AND AMONG HEALTHCARE WORKERS
- THIS IS CRITICAL BECAUSE AN OUTBREAK THAT START IN THE COMMUNITY USUALLY AMPLIFIES WITHIN HEALTHCARE FACILITY
- INADEQUATE HAND WASHING FACILITIES WITH RESPECT TO OUR CAMPUS POPULATION

AIM

TO REDUCE THE SPREAD OF COVID-19 FROM PATIENT TO PATIENT AND FROM PATIENT TO HEALTHCARE WORKER AND IMPROVE ON QUALITY OF CARE DURING COVID-19 PANDEMIC AND BEYOND

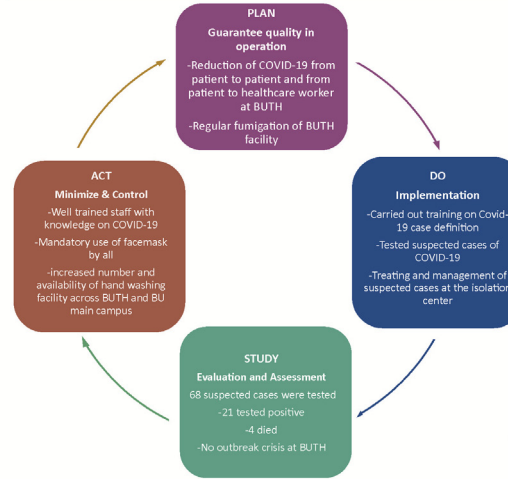
FLOW MAP OF PRESENT STATE

- ALL PATIENT PRESENT AT GOPD AND OR ACCIDENT AND EMERGENCY UNIT
- A TRIAGE POINT CREATED OUTSIDE THESE LOCATIONS
- TRAINED HEALTHCARE PERSONNEL TRIAGE THE PATIENTS BASED ON COVID-19 CASE DEFINITION
- SUSPECTED CASE MOVED TO ISOLATION CENTER WITH AMBULANCE

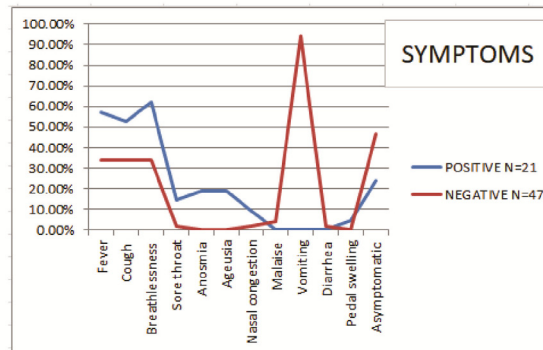
FLOW MAP OF FUTURE STATE

A PURPOSEFULLY BUILT CENTER FOR TRIAGING PATIENTS WITH INFECTIOUS DISEASES WITH WELL TRAINED STAFF
WELL EQUIPED ISOLATION CENTER WITH TRAINED PERSONNEL ON INFECTION AND PREVENTION CONTROL
QUALIFIED/SPECIALISTS ON INFECTIOUS DISEASES
A DESIGNATED RADIOLOGY FACILITIES FOR PATIENTS WITH INFECTIOUS DISEASES

PLAN DO ACT STUDY CYCLE



DATA



RESULTS

- A TOTAL NUMBER OF 68 SUSPECTED CASES OF COVID-19 WERE ADMITTED TO THE NEWLY CREATED ISOLATION CENTER
- 21/68 (30.9%) WERE POSITIVE TO STANDARD COVID-19 TEST
- MORTALITY RATE WAS MINIMAL 4/21(19.0%)
- NO MORTALITY RECORDED AMONG HEALTHCARE WORKER DUE TO PROPER TRIAGE AND ADEQUATE INFECTION CONTROL MEASURES
- POSITIVE AND SUSPECTED CASES ADEQUATELY MANAGED
- NO OUTBREAK CRISIS IN BUTH HEALTHCARE WORKERS COMPARED TO OTHER PUBLIC HOSPITALS IN THE VICINITY
- INCREASED NUMBERS AND AVAILABILITY OF HANDWASHING FACILITIES ACROSS BUTH AND BU CAMPUS
- IMPROVED INTRA AND INTERDISCIPLINARY HARMONY AND COVID-19 IPC GUIDED ACTIVITIES
- A MORE ROBUST AND SUSTAINED ADMINISTRATION INVOLVEMENT AND SUPPORT FOR IPC IN THE INSTITUTION

SUMMARY

- WELL TRAINED STAFF WITH ADEQUATE KNOWLEDGE OF A DISEASE ENTITY WILL PREVENT THE SPREAD OF THE DISEASE
- ADEQUATE TRIAGING IS A STRONG TOOL IN CURTAILING AN INFECTIOUS DISEASE OUTBREAK
- TRAINING AND RE-TRAINING ON COVID-19 IPC IS GERMAINE TO IMPROVING QUALITY OF CARE
- ADEQUATELY ROBUST INFORMATION REQUIRED TO FIGHT INFECTIOUS DISEASES OUTBREAK
- REGULAR REVIEW OF COVID-19 MANAGEMENT AND IPC PROTOCOLS TO UPGAME TO INTERNATIONAL BEST PRACTICES
- ROBUST ADMINISTRATIVE SUPPORT

FUTURE STEPS/ WHAT'S NEXT?

- WELL EQUIPED ISOLATION CENTER WITH WELL TRAINED PERSONNEL
- PLANS TO TRAIN AND EXPAND SPECIALIZED CAPACITY AMONG OUR HOSPITAL CONSULTANTS, IPC NURSES AND INTENSIVISTS