

A B S T R A C T

This report covers an investigation of the layout at the Port of Spain General Hospital.

The first section of the report summarises previous work done in the field of laying out of hospitals and services. Data was collected from the Hospital Records Department, the Ministry of Health and Environment and other affiliated professional organizations before a detailed analysis was made. The Systematic Layout Planning (SLP) calculations facilities layout software package was used to assist in the analysis process. From this package of eleven templates, four relevant ones were selected for use in this project.

- The templates:
- 1) From - To chart
 - 2) Ratio trend and
projection method
of determining
space
 - 3) Evaluating Alternatives
 - 4) Installation Cost
Summary

These were all used in the investigation and layout of the hospital.

From the results obtained it was concluded that the hospital wards were not located to give optimum movement of patient, staff and services.

As a result, staff and patients had to cover a tremendous amount of distance during their travel from the Emergency Department to other wards and their internal movement between wards. Further investigation revealed that the hospital required expansion to accommodate the high level of attendance and admissions which had incredibly increased over the years utilising the same floor space.

An evaluation of three alternatives that were developed to alleviate the above problems concluded that another building similar to that of the existing Central Block is required to relieve the condition at this Hospital. On consideration of the completion of the new Mount Hope Medical Complex it was concluded that a provision of 284 beds as predicted was the most economical solution.