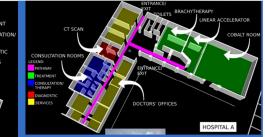
# **SPACE SYNTAX SIMULATION**

# **ABSTRACT**

concluded that H-shape is the most layout for cancer treatment facility.

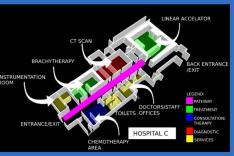


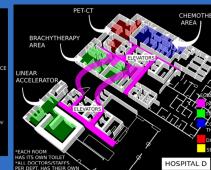


Staggered









# **AEDET**

Linear



# H-Shaped

# **ASPECT**

- 1. Privacy, Company, Dianity
- 2. Views
- 3. Nature & Outdoors
- Comfort & control
- 5. Legibility of Place
- Appearance
- Facilities
- 8.Staff



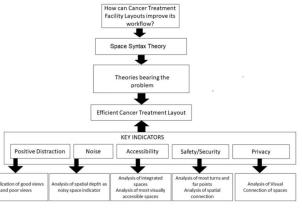
#### **Elongated Loop**



#### Looped

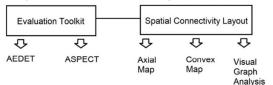
# **USING ASPECT AND AEDET EVALUATION TOOLKIT AND DEPTHMAP SIMULATION IN THE ASSESSMENT OF SPATIAL CONNECTIVITY LAYOUT FOR CANCER TREATMENT CENTERS**





## Conceptual Framework

Dependent Variable



#### Objectives

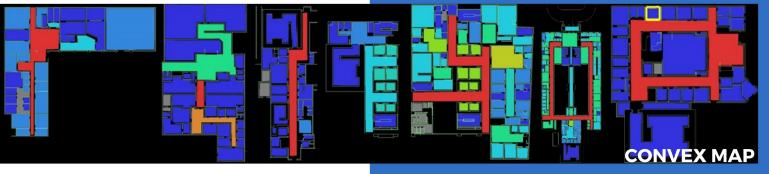
Independent variable

- 1. To analyze the characteristics of the established healing environment design key indicators for six selected cancer treatment centers in the Philippines
- 2. To compare cancer treatment facilities in selected hospitals in the Philippines using an evidence-based design evaluation toolkit and correlate it with Space syntax simulation.
- 3. To assess the relationship of key indicators to existing cancer treatment facilities

Emmarie Rose C. Josue

### **VISUAL GRAPH ANALYSIS**

# AXIAL MAP



# CONCLUSION

Six different cancer treatment layout typologies were selected as a case study. The results from this study were described, correlated, and interpreted qualitatively and quantitatively. In the synthesis, it shows bias on H-shape typology compared to other typologies (L-shaped, Staggered, Linear, Looped, Elongated-Loop) due to the high values it presented in most parameters especially the key indicators. Key Indicators that are associated with healing environment are influenced by the layout typology of the case studies both quantitatively and qualitatively.

It can be concluded that there is a significant relationship between cancer treatment plan typologies and healing environment through the five key indicators. As observed, the typologies with the highest values in the evaluation toolkit were also the ones with the highest results in space syntax. Significant relationship levels of all hospitals with the five key indicators are also seen in the results. This means that existing plans as dependent variables has a significant relationship towards the five key indicators and this relationship is also evident with its correlation to most of space syntax maps (VGA, Axial and Convex). With that, designers and architects can benchmark from the results supported by this study in designing future cancer treatment facilities and hospitals.

