

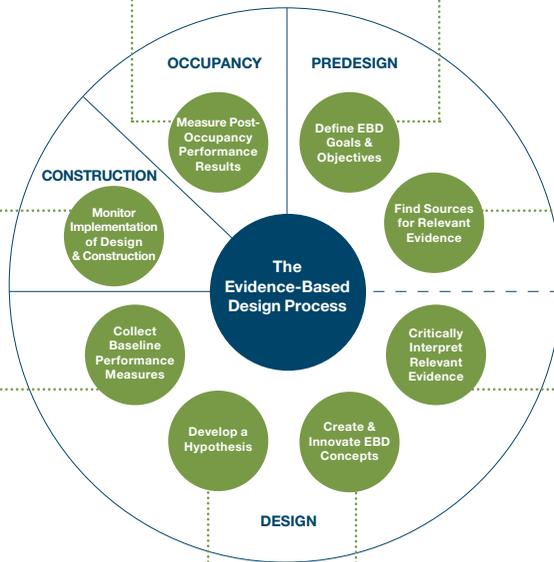
Figure 4:
The EBD Process

MEASURE
The research team implements the research study as outlined in the research plan, tracks any changes, and makes necessary adjustments. Data collection is the most time-consuming and costly phase of a research project.

MONITOR
It is the responsibility of the project team to ensure that all design strategies are executed as specified in the design documents and in compliance with the proposed research plan. At the end of construction, the project team verifies that the commissioned building complies with the EBD intent and is ready for post-occupancy research.

COLLECT
Assess the current processes at a macro level and define project metrics that will be used to measure outcomes. These will aid in the creation of the functional and space program.

HYPOTHESIZE
Develop hypotheses to predict the expected relationship between variables. Hypotheses point out the direction for data collection and provide guidance for analyzing and interpreting the data.



DEFINE
Establish a vision that defines the intentions, direction, and goals & objectives for the project. The team can then properly articulate the project goals in terms of their desired outcomes.

FIND
A literature review will identify gaps in knowledge, determine what relevant research has already been performed, and inform the basis for new research.

INTERPRET
To determine if the evidence is credible and can be used to inform the design and the hypotheses, it is important to understand the relevance, rigor, validity and generalization of the information cited.

CREATE
Translate relevant evidence into design guidelines—summary statements that designers use for guiding aesthetic, functional, or compositional decisions. The team can begin to create preliminary design concepts derived from the design guidelines.