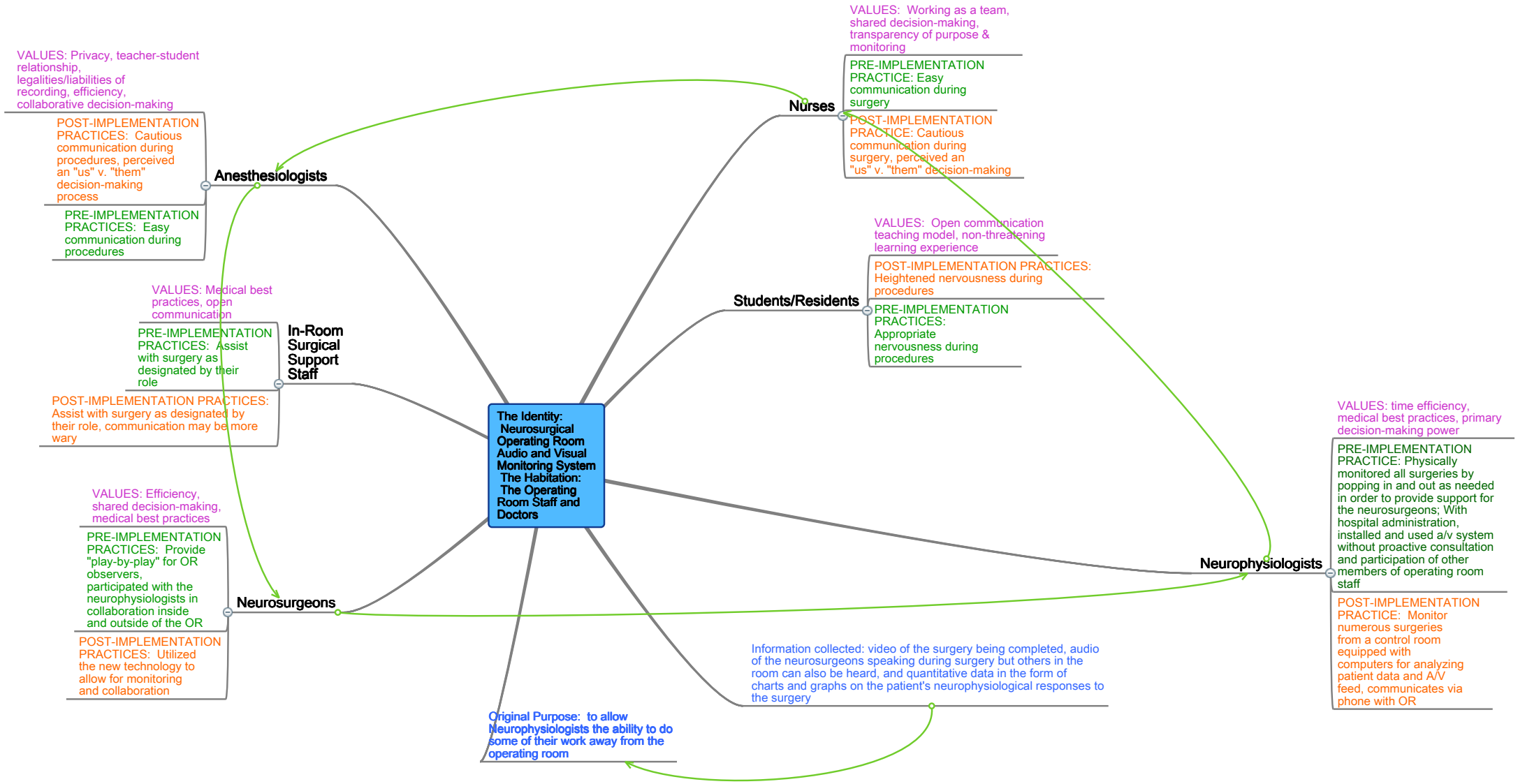
The Identity: Neurosurgical Operating Room Audio and Visual Monitoring System The Habitation: The Operating Room Staff and Doctors
Anesthesiologists
VALUES: Privacy, teacher-student relationship, legalities/liabilities of recording, efficiency, collaborative decision-making
POST-IMPLEMENTATION PRACTICES: Cautious communication during procedures, perceived an "us" v. "them" decision-making process
PRE-IMPLEMENTATION PRACTICES: Easy communication during procedures
Nurses
VALUES: Working as a team, shared decision-making, transparency of purpose & monitoring
PRE-IMPLEMENTATION PRACTICE: Easy communication during surgery
POST-IMPLEMENTATION PRACTICE: Cautious communication during surgery, perceived an "us" v. "them" decision-making
Students/Residents
VALUES: Open communication teaching model, non-threatening learning experience
POST-IMPLEMENTATION PRACTICES: Heightened nervousness during procedures
PRE-IMPLEMENTATION PRACTICES: Appropriate nervousness during procedures
In-Room Surgical Support Staff
VALUES: Medical best practices, open communication
PRE-IMPLEMENTATION PRACTICES: Assist with surgery as designated by their role
POST-IMPLEMENTATION PRACTICES: Assist with surgery as designated by their role, communication may be more wary
Neurosurgeons
VALUES: Efficiency, shared decision-making, medical best practices
PRE-IMPLEMENTATION PRACTICES: Provide "play-by-play" for OR observers, participated with the neurophysiologists in collaboration inside and outside of the OR
POST-IMPLEMENTATION PRACTICES: Utilized the new technology to allow for monitoring and collaboration
Neurophysiologists
VALUES: time efficiency, medical best practices, primary decision-making power
PRE-IMPLEMENTATION PRACTICE: Physically monitored all surgeries by popping in and out as needed in order to provide support for the neurosurgeons; With hospital administration, installed and used a/v system without proactive consultation and participation of other members of operating room staff
POST-IMPLEMENTATION PRACTICE: Monitor numerous surgeries from a control room equipped with computers for analyzing patient data and A/V feed, communicates via phone with OR
Information collected: video of the surgery being completed, audio of the neurosurgeons speaking during surgery but others in the room can also be heard, and quantitative data in the form of charts and graphs on the patient's neurophysiological responses to the surgery
Original Purpose: to allow Neurophysiologists the ability to do some of their work away from the operating room