

PKT Data Visualization for Families

Senior Project

Fall 2021

I. Overview

A. Team

1. Leader – Paige Applegate
2. Clinical Consultants – Amy Xia
3. Computer Science Consultant – Berlin Sankar

B. Need for PKT Data Visualization for Families – Families are an integral part of PKT and need information to support the hard work they are doing in administrating it. Data concerning the progress or lack of progress needs to be presented regularly in a manner that easy to understand and is customized for this particular person at this particular time.

C. Long-term Goals –Enhance the current understanding of PKT by patients and their families via data visualization

D. Fall 2021 Goals – Create data visualization tools in HiPerGator designed for families and used clinically to update them on the progress of the treatment in terms of seizures, medication requirements, clinical laboratory results, and nutritional status.

II. Plan and Progress

A.