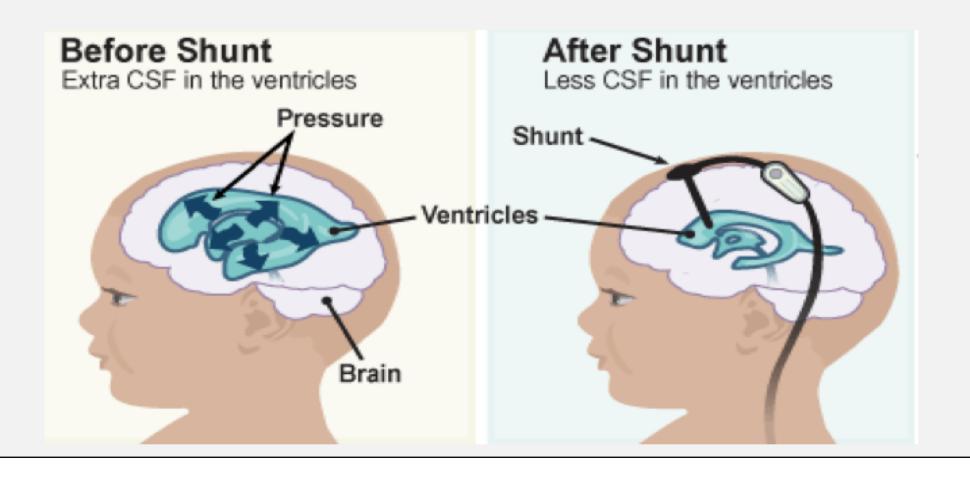




Background

- Hydrocephalus: Chronic neurological condition that affects around 6 in 10 000 live births.¹
- Ventricular dilation and increased intracranial pressure resulting from various causes (i.e. IVH,, aqueductal stenosis, tumors, etc.)
- Shunt placement and endoscopic third ventriculostomies (ETV) have increased survival rates.



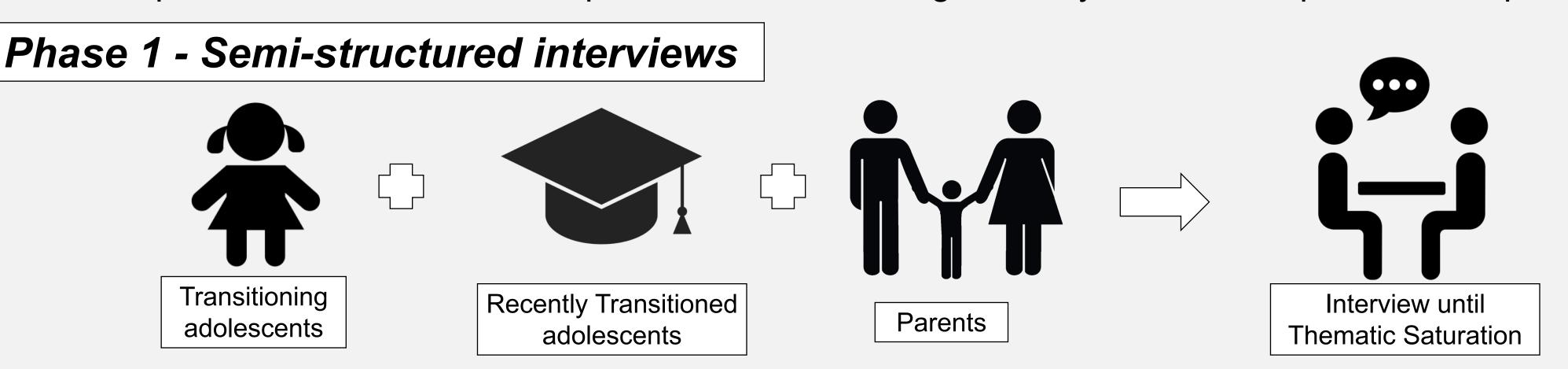
Introduction

- Patients require continuous care throughout their adulthood to maintain good outcomes, as problems ranging from a shunt complication to deteriorations in social/cognitive functioning are all long-term risks that need to be attended to.²
- During transfer, patients can find it difficult to forgo familiar relationships and environment in the pediatric setting and adopt the new culture of an adult clinic.³
- Unlike other chronic conditions such as congenital heart disease, type I diabetes and rheumatic disease, transition of adolescents with hydrocephalus is often fragmented and disjointed given the lack of attention and research in establishing appropriate models.⁴
- The purpose of the study is to qualitatively and quantitatively identify the factors that challenge young adults with hydrocephalus as they go through this transitioning period.

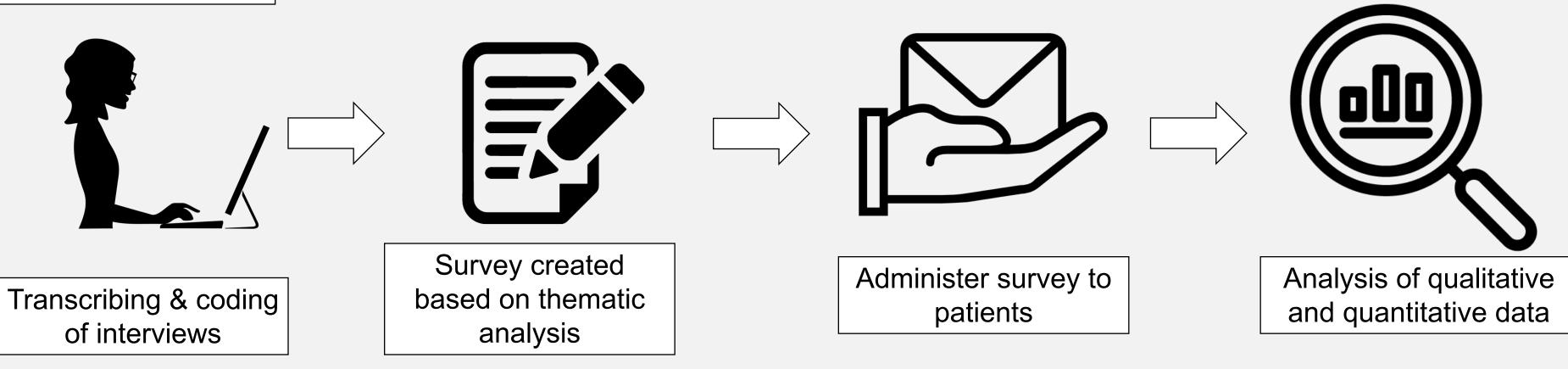
Methods

Participants

- Patients were identified by the attending neurosurgeon, contacted by a neurosurgery research associate, and asked if they would like to participate in the research study. Participants (n=30) between ages 15-21 (mean age = 18.27 years), with hydrocephalus as the primary condition were interviewed along with their parents.
- 3 Groups: Patients who are in the process of transitioning, recently transitioned patients and parents.



Phase 2 - Surveys



Results

Analysis revealed 4 common themes that captured challenges that patients/family member faced during transition:

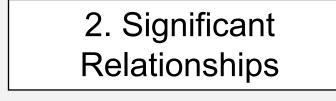


1. Communication

"We were referred ...2 years later ...

Not a word not a communication, we
were completely

LOST."





"There's a real relationship with doctors at children's hospital .. that part was really hard. To say Goodbye."

3. Fear of Uncertainty



"I have concerns because we don't know who these people are."

4. Achieving Independence



"I didn't put too much thought into it really. But it's definitely a little bit of a concern. Like it is definitely a change in environment."

Discussion

- Preparation for transition should start early in adolescence and should be a multidisciplinary process.
- Developing a national guideline or a transition care model requires involvement of all-party members involved in the process including patients, parents and health care professionals.
- Proposed models of practice for continuity of care for patients with hydrocephalus include Paediatric neurosurgeons running adult hydrocephalus services, Adult neurosurgeons running adult hydrocephalus services or Hybrid/joint services.⁵
- Limitation of this study is only exploring opinions and experiences of patients specific to Vancouver, a city that has a dedicated adult hydrocephalus clinic.
- Future studies should survey experiences of patients on a national scale, understand how to measure transition outcomes, identify factors that lead to failed transition and defining a successful transition.

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