The Stony Brook Medicine Healthy Libraries Program: Evaluation Methods and Measures to Assess Student IPE Outcomes and Community Impact

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**Background**
- The Stony Brook Medicine Healthy Libraries Program (HeLP) is an innovative interprofessional education (IPE)¹ program for health professional students in public libraries in Suffolk County, NY.
- Students develop IPE and collaborative practice competencies.
- Library patrons are provided increased access to health education, health screenings, and care services.
- IPE initiatives are not often rigorously evaluated for both learning outcomes and community impact.

This poster presents the mixed-methods evaluation of HeLP for both student IPE outcomes and community impact.

**Implementation and Evaluation Methods**
- **Implementation:** Following training on IPEC core competencies² students (n=103) participated in 13 public libraries in ’22-’23 which met course requirements...
  - Population Health Clinical (BS in Nursing) (n=64)
  - Community health for Physician Assistant (PA) (n=24)
  - Practicum/Internship for Public Health (MPH) (n=5)
  - Field education for Social Welfare (BSW/MSW) (n=9)
- **Evaluation:** Both quantitative and qualitative methods were used to evaluate student learning and community impact.
  - Student learning measures:
    - IPEC Competency Self-Assessment³ (pre vs. post)
    - SPICE-R² tools (pre vs. post)
    - short-answer reflection questions (post only)
    - semi-structured interviews (post only, n=12)
  - Community impact:
    - Records of team/patron encounters (n=799 encounters)
    - Recorded semi-structured interviews with library patrons (n=24) and staff (n=8).
  - **Analysis methods:**
    - Quantitative data were analyzed using descriptive statistics to summarize aspects of patron/team encounters in SAS (v.9.4).
    - Interviews were audio-recorded (lasted ~ 20-60 minutes) and transcribed.
    - Qualitative data will be analyzed using inductive thematic analysis.

**Results**

**Library Staffs’ Perceptions of the HeLP team**

Preliminary impressions from qualitative interviews indicates that:
- Library staff have a positive opinion of the HeLP team.
- HeLP is friendly, professional, collaborative and knowledgeable.
- HeLP is important to support library patrons.
- Some library staff do not fully understand the role of each profession on the team.
- Some library staff feel relieved having HeLP to address patron’s needs.
- Some library staff use HeLP services themselves.

![Figure 1. Students’ Mean Scores for Interaction and Values Domains at Pre- and Post-Test for IPEC Competency Self-assessment (n=60)](image)

**Discussion**

**Pictures of the HeLP Team at Public Libraries**

This innovative IPE model has an evaluation strategy that can be adapted to provide evidence-based data for other IPE initiatives and adds to IPE outcome literature by including community impact data.

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**References**