

Value Institute



INTRODUCTION

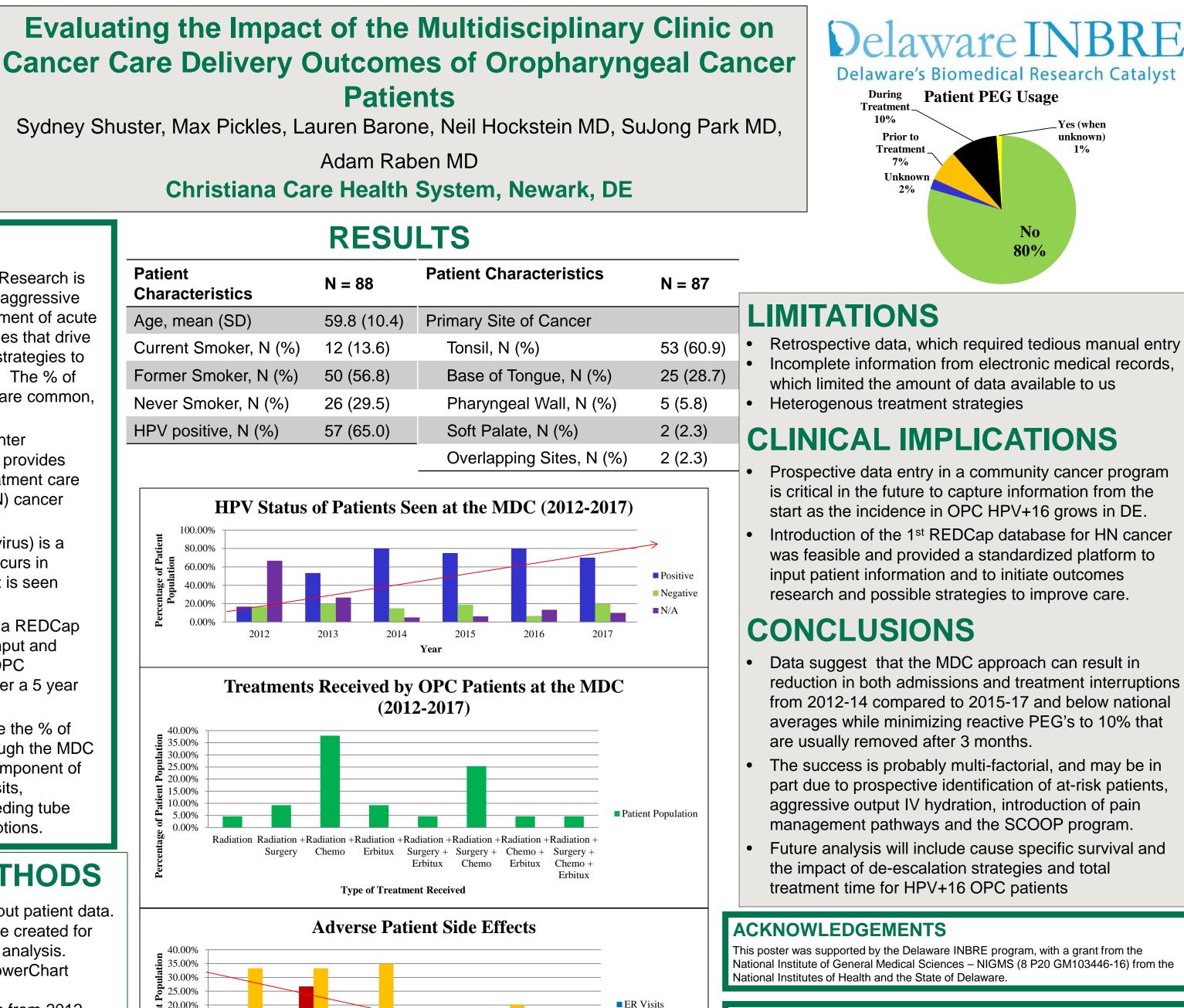
- Cancer Care Delivery Outcomes Research is needed to evaluate the impact of aggressive multimodality therapy on development of acute complications and patient outcomes that drive health care cost, and to develop strategies to optimize care through prevention. The % of unplanned admissions nationally are common, ranging from 14-37%*.
- The Helen F. Graham Cancer Center Multidisciplinary HN Clinic (MDC) provides multimodality evaluation, and treatment care strategies for Head and Neck (HN) cancer patients.
- OPC HPV+16 (human papillomavirus) is a rising trend in DE and typically occurs in younger, male, never-smokers. It is seen frequently at the HFGCC.
- In 2017, the HN-MDC introduced a REDCap data software to retrospectively input and evaluate outcomes of MDC-HN OPC (Oropharynx Cancer) HPV+16 over a 5 year period, from 2012-2017.
- Initial Goal of Study: To evaluate the % of OPC-HN patients diagnosed through the MDC and treated with radiation as a component of management that required ER visits, hospitalizations, reactive PEG feeding tube placement, and treatment interruptions.

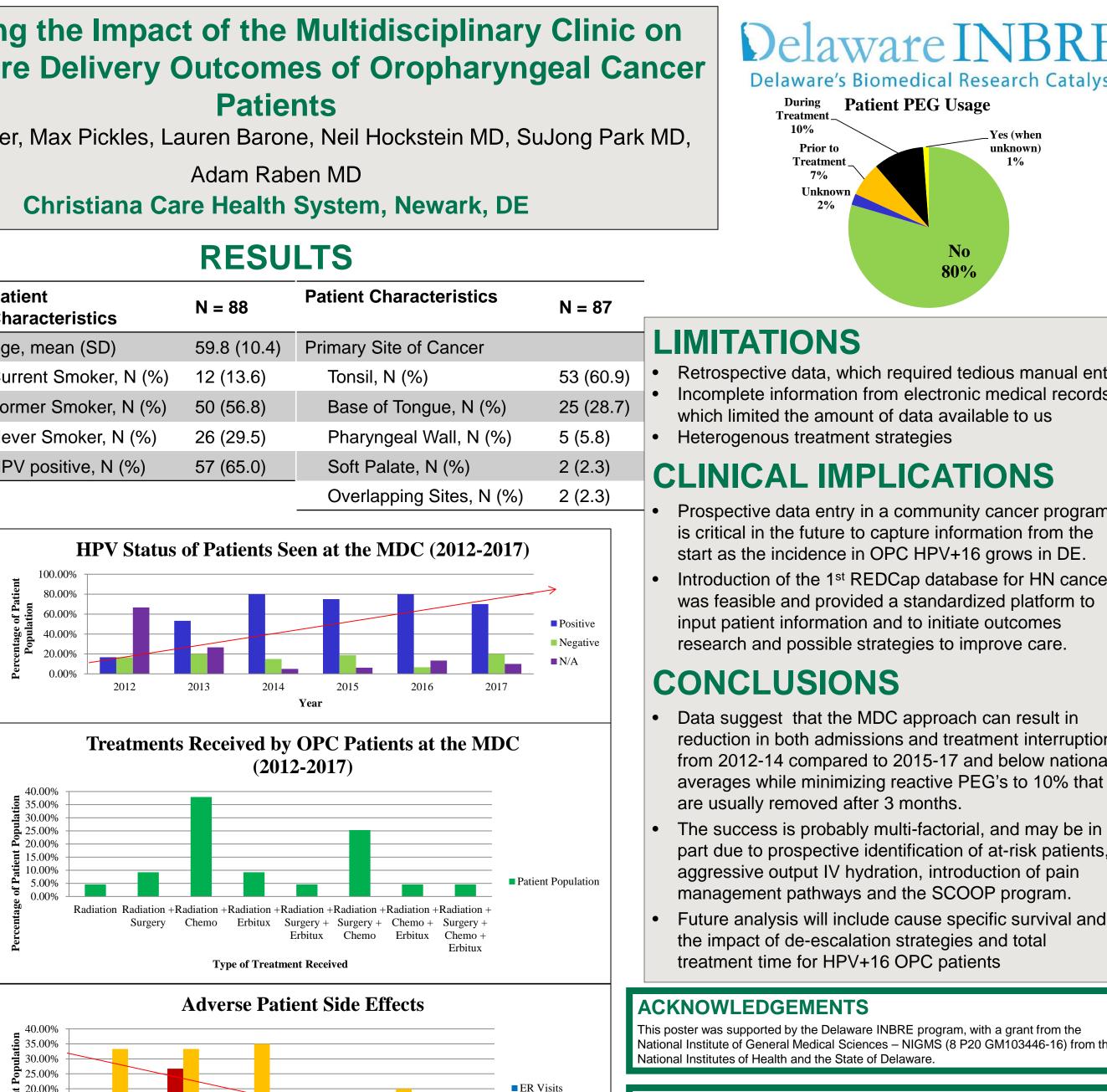
MATERIALS & METHODS

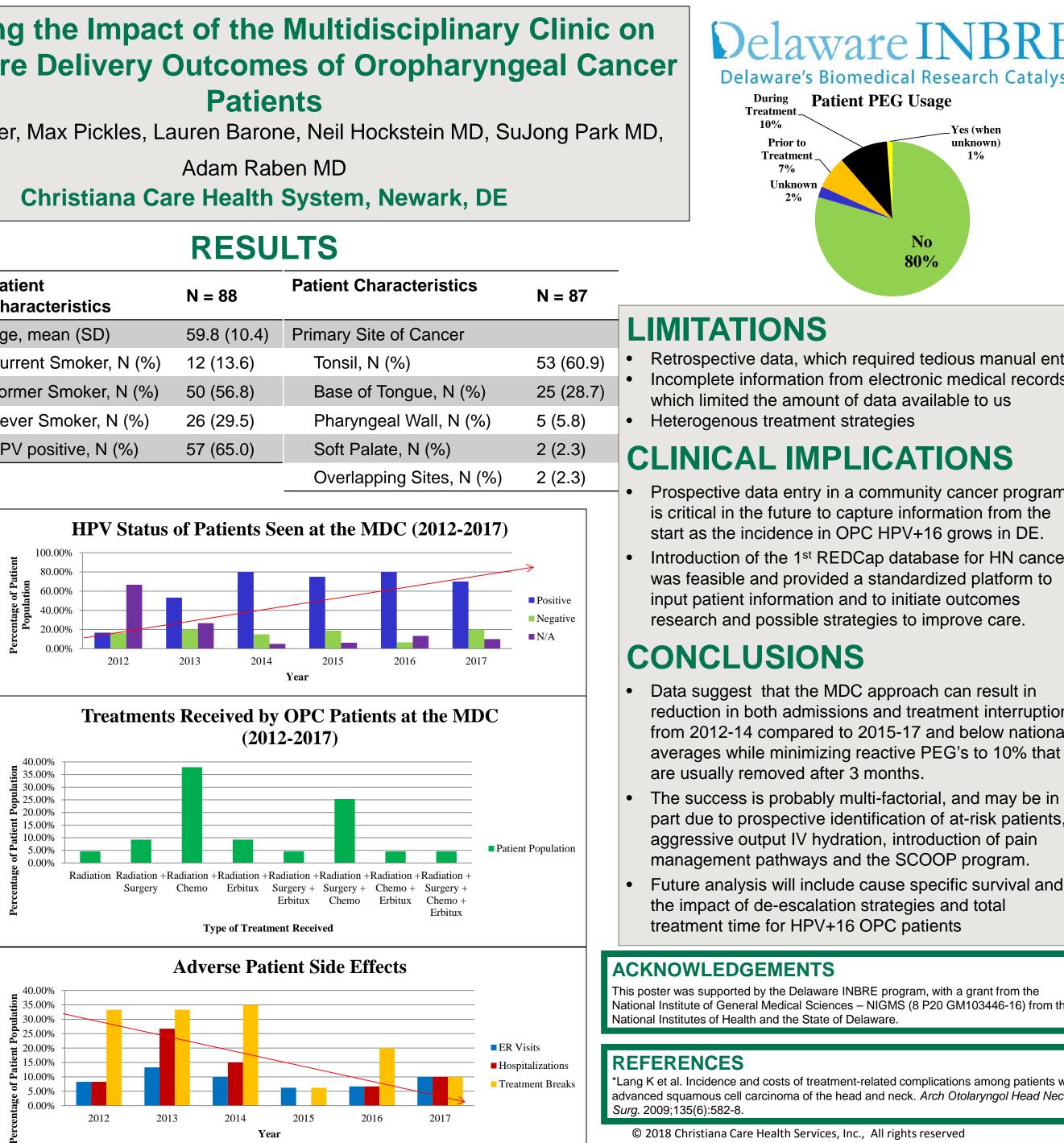
- REDCap was used in order to input patient data. This is the first REDCap database created for the input of big data for outcome analysis.
- Data sources: MOSAIQ and PowerChart electronic health records
- Study population: OPC patients from 2012-٠ 2017 that were treated with radiation by Dr. Adam Raben
- Analysis: Descriptive statistics (means and percentages) used to analyze patient data

Patients

Patient Characteristics	N = 88	Patient Characteristics
Age, mean (SD)	59.8 (10.4)	Primary Site of Cancer
Current Smoker, N (%)	12 (13.6)	Tonsil, N (%)
Former Smoker, N (%)	50 (56.8)	Base of Tongue, N (%)
Never Smoker, N (%)	26 (29.5)	Pharyngeal Wall, N (%)
HPV positive, N (%)	57 (65.0)	Soft Palate, N (%)
		Overlapping Sites, N (%)







*Lang K et al. Incidence and costs of treatment-related complications among patients with advanced squamous cell carcinoma of the head and neck. Arch Otolaryngol Head Neck