

CASE STUDY

Adoption of Patient Engagement Technology among Colorectal, Cardiac, Thoracic & Gynecology surgery patients

Patient Engagement Technology (PET) can be used for surgical patients to:



Guide patients from pre-op preparation through post-op recovery



Improve surgical outcomes (e.g. reduce hospital length of stay, readmissions, etc.)



Reduce costs

While PET can offer surgical patients a wide range of benefits, not all patients choose or are able to enroll in a PET. The University of Alabama Birmingham (UAB) conducted a study to determine patient adoption of PET (SeamlessMD) and factors associated with adoption.

	Enrolled in PET	Did not enroll in PET	P-value
Sample size	1609 (94.7%)	90 (5.3%)	--
Median age	60	66	< 0.001
Payer status	<ul style="list-style-type: none"> 47.3% Medicare/Medicaid 41.8% privately insured 10.9% uninsured/charity care 	<ul style="list-style-type: none"> 78.7% Medicare/Medicaid 21.4% privately insured 	< 0.001

Key Takeaways:

- Patient adoption of PET patients undergoing major surgery is high (94.7%)
- Older patients & patients who are not privately insured are more likely to decline PET enrollment
- PET technology is not universally adopted by all patients; therefore, alternative resources should be provided for patients who do not use PET



Based on research presented at Academic Surgical Congress 2021:

Theiss L, Wood T, Marques I, et al. (2021, Feb 1-3). **Who chooses not to use Patient Engagement Technology (PET)?** [Conference presentation]