Introduction

- Pharmacy students are required to learn and retain large amounts of information.
- Many students look to online resources as educational aids.
- SketchyPharm is an online platform used routinely by medical students to learn pharmacology.
- Prior to SketchyPharm’s release, medical students scored around 10% lower than pharmacy students on pharmacology exams.
- No study has looked at the effectiveness of SketchyPharm on pharmacology knowledge.

Objective

To determine if SketchyPharm is an effective tool for pharmacy students in learning and retaining pharmacology information.

Methods

- IRB approved pharmacology survey/questionnaire
- Inclusion Criteria:
  - Any medical or pharmacy student completing their final didactic year of school.
- Data Collected:
  - Type of student (Medical or Pharmacy)
  - School attended
  - If SketchyPharm was reviewed
  - How much was reviewed.
  - Questionnaire score
- Data Analysis:
  - Student T-scores between students using SketchyPharm and those who do not.
  - Comparative analysis of questionnaire score on amount of SketchyPharm reviewed

Results

**Medical Students**

- N = 82
- 49 did not complete >50% of the quiz
- 33 analyzed, all used SketchyPharm

**Pharmacy Students**

- N = 44
- 16 did not complete >50% of the quiz
- 28 analyzed, none used SketchyPharm

Discussion

- Students that used SketchyPharm were unanimously medical students.
- Average medical student pharmacology scores have seen an almost 15% increase after SketchyPharm was developed.
- Score averages were numerically higher in students using SketchyPharm regardless of the amount they reviewed.
- Future research on SketchyPharm efficacy during the learning process and long-term recall after using SketchyPharm should be conducted.

Conclusion

- This study shows that SketchyPharm may be a valuable tool in the pharmacy student’s arsenal.
- With the ability to freely recall vital pharmacology information when making clinical decisions, SketchyPharm could help create more formidable clinicians.