



Jaclyn D. Cole, PharmD, BCPS, FFSHP; Melissa J. Ruble, PharmD, BCPS, FFSHP; Kevin N. Astle, PharmD, BCPS, BCACP, AAHIVP, CDCES; Christine E. Tabulov, PharmD, BCPPS; Jerica Singleton, PharmD; Katlynd Sunjic, PharmD
University of South Florida Taneja College of Pharmacy, Tampa, FL

INTRODUCTION

- Advancements in technology change the identity of healthcare and the delivery of services to patients.¹
- Skills-based education within pharmacy curricula provide students with simulated real-world experiences in a variety of pharmacy practice skills.²
- AI utilization in the future of healthcare delivery is inevitable and therefore it is critical to incorporate into pharmacy and interprofessional education.³
- There is currently limited information on how AI technology, and its critical evaluation, will be integrated in pharmacy skills-based courses.

OBJECTIVE

- Evaluate how pharmacy curricula currently use, or planned to use, AI within skills-based courses.

METHODS

- Electronic, anonymous Qualtrics^{XM} survey
 - Emailed to AACP registered members
 - Inclusion criteria: Skills course coordinator
 - Open for two-months, bi-weekly reminders
- Data categorized with Microsoft Excel

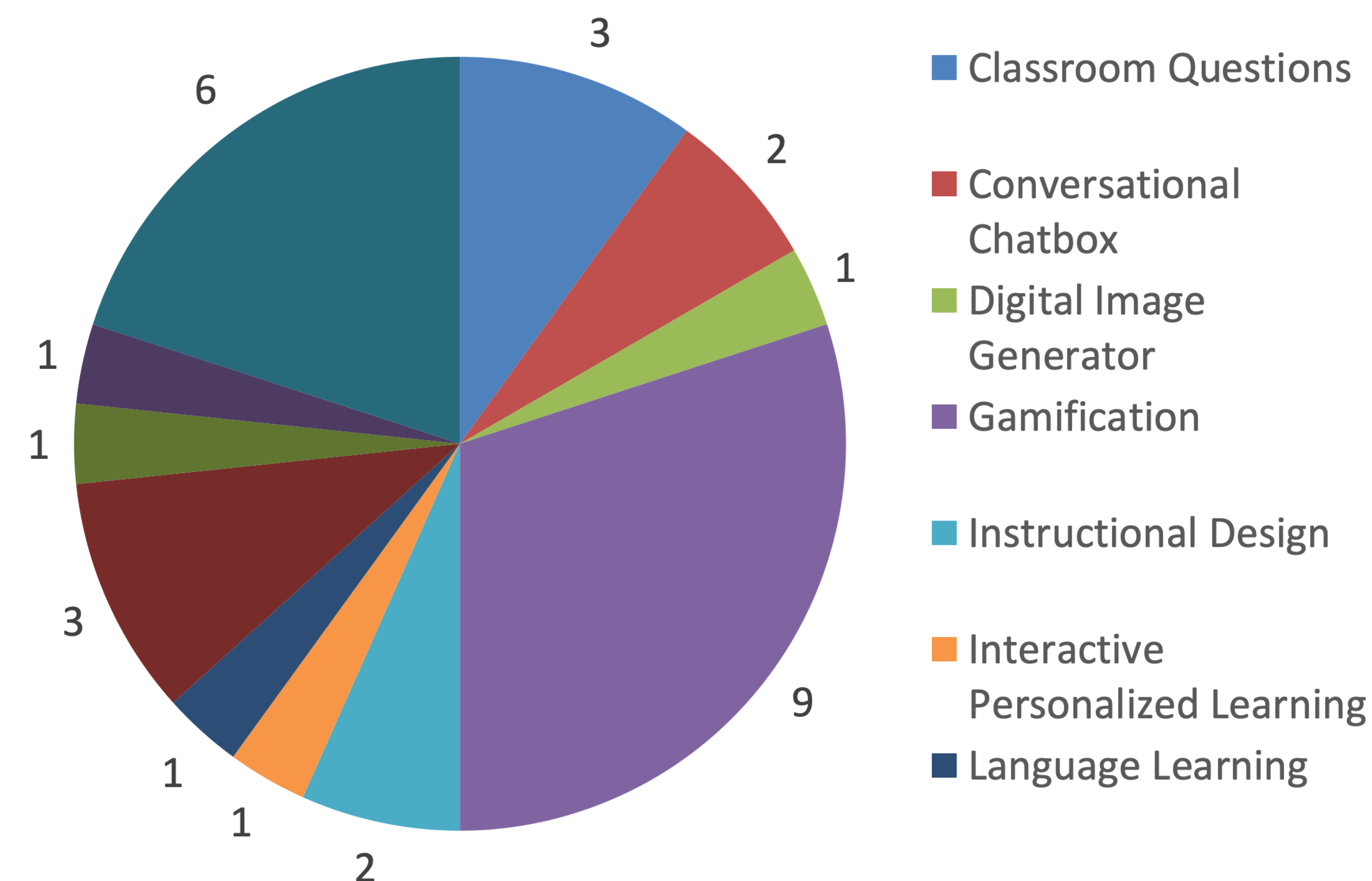
Gender	N (%)
Female	56 (65)
Male	25 (29)
Prefer Not to Say	5 (6)
Age	
25-34	17 (20)
35-44	35 (41)
45-54	23 (27)
55-64	10 (12)
65 and Older	1 (1)
Years Working in Academia	
0-1	5 (5)
2-5	20 (20)
6-10	23 (23)
> 10	50 (51)
Years as Skills Course Coordinator	
0-1	13 (13)
2	6 (6)
3	11 (11)
4	8 (8)
5 or More	60 (61)

RESULTS

Current AI Use for Skills Curriculum (n=98)	N (%)
Yes	18 (18)
No	80 (82)
How Many Years of AI Use in Skills (n=16)	
0-2	7 (44)
2-3	1 (6)
More than 3	8 (50)
Number of Times AI Utilized in Skills (n=16)	
1	4 (25)
2	3 (19)
3	3 (19)
4 or More	6 (38)
Graded AI Activities in Skills (n=16)	
Yes	5 (31)
No	11 (69)
Current AI Use for Administrative Tasks (n=95)	
Yes	14 (15)
No	81 (85)

Considered AI Use for Skills Curriculum (n=94)	N (%)
Yes	56 (60)
No	38 (40)
If No, Reasoning (n=38)	
Unclear benefit	19
Unclear role/purpose in pharmacy education	20
Unfamiliar with how to use it	21
Concern it will hamper student learning skills	12
Other	7
Timeline Considering Implementation, select all (n=88)	
Within the next year	26 (30)
Within two years	32 (36)
Within 3 years	3 (3)
Over 3 years or unsure	27 (31)

Figure 1. Current AI Tools Used in Skills Courses, *select all*



DISCUSSION

- Low reported AI utilization in skills-based courses
- Majority of AI integration is not for health-care delivery
- High interest in AI integration in skills courses
- Concerns for integration focused on unclear role and lack of familiarity
- Limitations
 - Small survey response
 - May not capture all ACPE-accredited programs
 - Lack of description of AI use in respective platforms

CONCLUSION

- Low reported AI use in curriculum and administration.
- High reported AI planned use in the next two years.
- Additional needs for clear purpose and training.

REFERENCES

1. Sallam M. (2023). ChatGPT Utility in Healthcare Education, Research, and Practice: Systematic Review on the Promising Perspectives and Valid Concerns. *Healthcare (Basel, Switzerland)*, 11(6), 887. <https://doi.org/10.3390/healthcare11060887>
2. Dula, C. A. C., & Porter, A. L. (2021). Addressing Challenges in Skills-based Education Through Innovation and Collaboration. *American journal of pharmaceutical education*, 85(7), 8788. <https://doi.org/10.5688/ajpe8788>
3. Jha, N., Shankar, P. R., Al-Betar, M. A., Mukhia, R., Hada, K., & Palaian, S. (2022). Undergraduate Medical Students' and Interns' Knowledge and Perception of Artificial Intelligence in Medicine. *Advances in medical education and practice*, 13, 927–937. <https://doi.org/10.2147/AMEP.S368519>

DISCLOSURE

All Authors: Nothing to disclose