

USE OF MYDISPENSE FOR VALIDATION (ERRORS AND OMISSIONS) ACTIVITIES

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INTRODUCTION:

- MyDispense is an online program to help students practice pharmacy dispensing skills

OBJECTIVES:

- Evaluate the relationship between previous community pharmacy experience and performance on validation (Errors and Omissions) activities in a skills lab setting
- Examine student perceptions of using MyDispense for validation activities

METHODS:

- Students enrolled in a skills lab course in 2022 were surveyed to determine amount of community pharmacy work experience and perceptions of using MyDispense
- Experience was correlated to performance on validation activities using Spearman rank correlation coefficient

RESULTS:

- Response rate: 89% (n=63)
- 70% of respondents (n=44) indicated having some previous community pharmacy experience
- There was a slight, nonsignificant positive correlation between amount of community experience and average performance across all five validation activities, $r_s(61) = .20, p = 0.115$
- Correlation was strongest for performance on the first validation activity, $r_s(61) = .34, p = 0.006$
- Of those with prior experience, 82% felt this was somewhat or very helpful in completing activities
- At course conclusion, 94% reported being somewhat or very confident in identifying errors and omissions
- 87% of respondents felt MyDispense was beneficial for completion of validation activities

IMPLICATIONS:

- Sufficient practice through MyDispense validation activities allows students without prior community pharmacy experience to ultimately identify errors and omissions as successfully as those with experience
- MyDispense was viewed favorably by students as a means to complete validation activities

With multiple practice opportunities, MyDispense can help students successfully complete validation activities, regardless of their amount of previous community pharmacy work experience.



Take a picture to learn more about the MyDispense platform

COMMUNITY PHARMACY WORK EXPERIENCE

Amount of previous experience	n (% of survey respondents)
Less than 3 months	9 (14%)
3-6 months	6 (10%)
7-12 months	4 (6%)
1-2 years	12 (19%)
3 or more years	13 (21%)

STUDENT PERCEPTIONS OF MYDISPENSE FOR VALIDATION ACTIVITIES

Benefits of using MyDispense for validation activities	n (% of survey respondents)
Interactive/mimics practice	28 (44%)
Knowledge enhancement/process development	27 (43%)
User interface/visual display	10 (16%)
Easy to navigate/use	6 (10%)

Challenges of using MyDispense for validation activities	n (% of survey respondents)
Learning curve to use the platform	23 (37%)
Identifying how best to categorize the error	15 (24%)
User interface/technology incompatibility	14 (22%)
Real-world inapplicability of errors	10 (16%)

