Current Use and Perceptions of Clinical Intervention Databases by Pharmacy Graduates

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Background

• Since 2007, all fourth year (P4) student pharmacists at the Harrison School of Pharmacy (HSOP) have been required to document patient interventions in a single, commercially-available web-based, documentation system, Quantifi®, during their advanced pharmacy practice experiences (APPEs).
• Training on the use of the database system and clinical scenarios are provided to the students during their P4 orientation prior to starting APPEs.
• Periodically, the Director of Experiential Education reviews interventions to ensure all students are documenting throughout their APPEs.
• Reports of student interventions are provided to affiliated training sites upon request by the site.
• Current practice at most institutions is for pharmacists to document interventions as part of their routine job responsibilities.
• This experience during the P4 year provides real-world training to prepare future graduates to document interventions throughout their careers.

Objective

• To describe the current use and perceptions of intervention database systems by pharmacy graduates who were required to document clinical interventions during their APPE education.

Methods

• Graduates from the classes of 2012 - 2014 (n=432) were surveyed electronically regarding current use of clinical interventions systems and documentation requirements at their place of employment.
• Graduates were also asked about the impact of required documentation as a P4 and perceptions of the importance of pharmacists documenting interventions.
• Residency training and type of employment information was also gathered.

Results by Residency Training

41% (n=37) of respondents were completing or had completed a residency.

Of those who were residency trained/in-training, 78% (n=29) were currently using a clinical intervention documentation system.

Of those who were residency trained/in-training, 78% (n=29) felt that their experience documenting clinical interventions during APPEs was valuable for their future careers.

All residency trained/in-training graduates (100%) rated documentation of interventions as "somewhat important" or "very important".

Results

Demographics

| Class of 2012 | 20 |
| Class of 2013 | 35 |
| Class of 2014 | 40 |
| Total | 95 |

Objectives

• To describe the current use and perceptions of intervention database systems by pharmacy graduates who were required to document clinical interventions during their APPE education.

Limitations

• Low survey response overall (< 50% of each class)
• Survey did not inquire about which intervention systems are used in practice at the place of employment.

Implications

• Clinical intervention documentation systems are used often by our graduates in their places of employment.
• The requirement of documenting clinical interventions as a P4 student pharmacist prepares our graduates for documenting interventions in their workplace.

Graduate Comments About Ways Clinical Intervention Documentation Systems are Used by Their Employer

"Documentation is used to promote communication between shift changes when waiting to hear back from MDs."

"I practice in a community chain, so some of our clinical interventions are tracked through company programs and software. Our primary focuses are adherence outreach and tracking people who fill and subsequently refill new maintenance medications. I feel it would be beneficial to have the ability to track other clinically significant interventions."

"We use Quantifi® at our institution and it is used to show what kind of impact we make as pharmacists. Those numbers are definitely used to validate potential new positions with administration."