Using Google Services as an Innovative Educational Tool for Advanced Pharmacy Practice Experience Rotations

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**Methods (continued)**

- Google Drive was used as a repository for the following (Figure 2):
  - Rotation syllabus
  - Rotation survival tips
  - Presentation guides (e.g. journal clubs, topic discussions, and case presentations)
  - Various required readings
- In Google Drive, the preceptors created various folders that included readings related to the disease states and medications encountered on the rotation.
- These folders were updated when appropriate.
- Students and residents are asked to add additional and useful readings and handouts to the medication and disease state folder during their rotation.

**Results**

- By posting readings (e.g., guidelines and articles) and templates for assignments in a central database such as Google Drive, preceptors ensured that students had clear expectations for assigned activities like preparation for topic discussions.
- Preceptors, students, and residents were also able to access posted documents and calendars ready on any computer or mobile device.
- Trainees were able to contribute to future learning experiences by posting copies of handouts and readings that could be beneficial to others completing the same rotation.
- Use of Google Drive as a communication tool minimized the amount of emails that needed to be sent to trainees during the course of the rotation.
- Use of Google Calendar offered flexibility in syncing various calendars and allowed for real-time schedule updates.

**Conclusions**

- Using various Google programs provided a central repository of information for preceptors and their students and residents on rotations.
- The preceptors felt that use of this type of technology saved a significant amount of time spent on correspondence, and the trainees understood the expectations for rotation activities more clearly.
- Preceptors can use Google Drive or similar data repository to house and share rotation syllabi, learning descriptions, rotation readings and other electronic materials for students and residents completing any type of rotation.
- Preceptors can use electronic resources to share information when collaborating on research and projects with students and residents. This can also be used for trainees to upload assignments for preceptors to review, edit, and/or grade.

**References**


**Notes**

- The authors have nothing to disclose.