Chemotherapy checking is a complex task and requires a high level of alertness as well as attention to detail. Learning tools are required to teach the fundamental principles of chemotherapy checking.

Objectives:
- To develop an e-learning module as a component of a certification process for Authorized Chemotherapy Checker. A variety of learning methods were incorporated including pre reading, hands on training and mock simulations.

Study/Design:
- In conjunction with a graphic design team and with input from Human Factors Specialists, an online chemotherapy training module was created.
- The module first demonstrates and then requires learner participation for each of the key components involved in chemotherapy checking: assembly check, prep check, dose check, final check IV and final check oral.
- Course content is presented in a series of interactive simulations which were based on good catch logs from actual practice.
- To keep the focus on patient centered care, the module included patient case scenarios.
- Checking strategies such as independent double checks, confirmation bias and mental estimation are discussed.
- Beta testing of the module was conducted with novice users prior to final approval.

Results/Key Findings:
- An interactive e-learning chemotherapy checking module was created.
- Assembly, preparation, dose and final checks for IV (and oral) chemotherapy are demonstrated then practiced through “Try Me” simulations.
- Final test requires 100% to pass; max 3 attempts.
- User feedback sought (160/234 = 68% response rate).

Conclusion/Recommendation:
The necessary skills to safely complete chemotherapy checking can be enhanced by the use of this e-learning module.

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Survey Results Updated to March 8, 2017

Are you a Pharmacist or Pharmacy Technician?

- 70% Pharmacist
- 30% Pharmacy Technician