**PGx Test2Learn™: Advancing pharmacogenomics education in the core PharmD curriculum through student personal genomic testing.**

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**Objective:** To describe the development, implementation, and evaluation of PGx Test2Learn™, a program to enhance pharmacogenomics education in the core Doctor of Pharmacy curriculum through the use of personal genomic testing (PGT) and real genetic data.

**Methods:** Second year PharmD students (n=122) in a required course were offered PGT within a robust ethical framework. Course redesign included the development of novel learning objectives, lecture materials, software analysis tools, and exercises using individual- and population-level genetic data. Outcomes were assessed by objective measures and pre/post survey instruments.

**Results:** One hundred students (82%) underwent PGT. Knowledge significantly improved on multiple assessments. Genotyped students reported a greater increase in confidence in understanding test results by the end of the course (Likert scale, 2.7±0.93 vs 3.5±0.89, p<0.001). Similarly, undergoing PGT improved student’s self-perceived ability to empathize with patients versus those not genotyped (Likert scale, 4.1±0.66 vs 3.7±0.91, p=0.035). Most students (>70%) felt PGT was an important part of the course and 60% believed they had a better understanding of pharmacogenomics specifically because of the opportunity.

**Conclusions:** Implementation of PGT in the core pharmacy curriculum was feasible, well-received, and enhanced student learning of pharmacogenomics.