

**Title:** Pharmacogenomics: ready, set, go!

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**Abstract:**

**Background**The Netherlands is a global leader in the field of pharmacogenomics. Since 2005 the Dutch Pharmacogenetics Working Group (DPWG) has developed evidence based guidelines. These guidelines provide practical therapeutic recommendations for drug-gene interactions. Despite the availability of guidelines pharmacogenomics is yet to be implemented in primary care. **Purpose**Implementation and acceptance of pharmacogenomics testing in primary care. **Methods**A pilot where 50 community pharmacies will offer a total of 500 patients a pharmacogenomics test. All participating pharmacists have received training about pharmacogenomics. Every pharmacist has drafted an action plan to implement pharmacogenomic testing in their local setting. The participating pharmacists will be supported by the Royal Dutch Pharmacists Association (KNMP). **Results**Pharmacists collect case reports and expectations and experiences of patients and other healthcare professionals. In addition the KNMP will investigate which conditions need to be met in order to implement pharmacogenomics in primary care. **Conclusion**Pharmacists are supported in obtaining a natural role as expert in the field of pharmacogenomics. Pharmacists guide their patients with the safe, appropriate, and economical use of medications.