

Supplementary Information

Appendices Legends

Appendix A

List of the 71 cardiovascular drugs with known or probable pharmacogenomic associations comprehensively searched and analyzed.

Appendix B

The items comprising the modified AGREE II instrument are shown here.

Appendix C

List of the 884 drug/variant pairs, along with associated PMID(s), identified through literature search. Those drug/variant pairs determined to warrant a proposed clinical implementation summary are bolded.

Supplementary Figure Legend

Supplementary Figure 1. Clinical summaries for results delivery for given genotypes of (A) pravastatin, (B) carvedilol, (C) atorvastatin, (D) atenolol, and (E) verapamil.

The creation of a clinical implementation summary (genotype-specific pharmacogenomic result with clinical decision support), which informs physicians of important pharmacogenomic information, was our measure of the ultimate clinical applicability of a specific drug/variant pair. Each summary contains an interpretation of the evidence, the assigned Level of Evidence rating, and hyperlinks to the primary literature evidence forming the basis for the summary.