

Beyond Clinical Trials: Investments in Real World Evidence for Direct Oral Anticoagulants

Investigators

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Project Summary

There are four direct oral anticoagulants (DOACs) approved by the U. S. Food and Drug Administration: dabigatran in 2010, rivaroxaban in 2011, apixaban in 2013, and edoxaban in 2015. Following multiple randomized clinical trials, DOACs are recommended among eligible patients with nonvalvular atrial fibrillation (NVAF) for stroke prevention. Studies using data collected during routine clinical care or real-world data can be used to complement data generated from randomized clinical trials to address persistent knowledge gaps in treatment effectiveness. This project uses data from the largest integrated health care system in the U.S. (Veterans Health Administration) to describe pharmacoepidemiology of DOACs across racial and ethnic minority populations. Among patients with NVAF who are treated with DOACs, the researchers will characterize related outcomes among the population including major bleeding events, stroke, and dementia across important patient subgroups. The findings will contribute to a greater understanding of DOAC use across a more diverse population of patients with NVAF.

Populations Served: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, White, and Hispanic or Latino.

Goals/Aims:

- Examine associations of race and ethnicity and age with outcomes among patients diagnosed with atrial fibrillation and who are prescribed DOACs.
- Describe trends in use of DOACs, across DOAC type, and subpopulations.

Publications/Abstracts/Posters, etc.

- Manuscript in preparation.