

**TITLE:** Semantically Representing Gender Identity Terms For Medical Intake Forms

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### **RESEARCH PROJECT DESCRIPTION**

**Background:** The Institute of Medicine recommends that health care providers and researchers collect identities data about gender minorities in electronic health records and research surveys. This is a crucial step for providing culturally competent care and understanding health risks of gender minorities. This project aims to develop a set of terms for medical intake forms and a good set of definitions for these terms.

**Hypothesis:** The meaning of gender identity terms may vary across geographic regions while others may be relatively stable. We conjecture that using existing survey data from National Transgender Discrimination Survey (NTDS) we can develop a semantic representation of common gender identity terms and evaluate how those semantic representations vary across the geographic regions in the United States.

**Methods:** Develop regionally specific hierarchies of gender identity terms based on data from the National Transgender Discrimination Survey (NTDS). Validate Florida-specific hierarchies with community-based surveys.

**Role of medical student:** The medical student will draw upon existing survey data to create region specific representations of the relationships among gender identity terms used in the NTDS.

A visualization of our previous work using gender identity terms on Twitter can be viewed here. <http://bianjiang.github.io/twitter-language-on-transgender/>