## Fairness Precision Medicine

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## FAIRNESS IN PRECISION MEDICINE

The image of "precision medicine" is a dream of what medical care could become driven by data analysis and tailored to individual patients. Access to data, specifically large volumes and varieties of health data, could help health care providers intervene and begin to address some of our health care ills. However, this dream should also prompt us to question how precision medicine might not develop in the ways that we think, and how bringing the increasing power of computing to bear on more and more kinds of health data could have unintended consequences.

To better understand how bias might impact precision medicine in the sphere of biomedical research, we conducted a qualitative study to identify the tensions and frameworks of diverse medical stakeholders. Our goal was to understand how precision medicine research projects are developing, as these will shape the future directions of clinical precision medicine. Building on what we learned from the research community, we define precision medicine as: the effort to collect, integrate, and analyze multiple sources of data in order to develop individualized insights about health and disease.