

North Carolina Precision Health Collaborative (NCPHC)

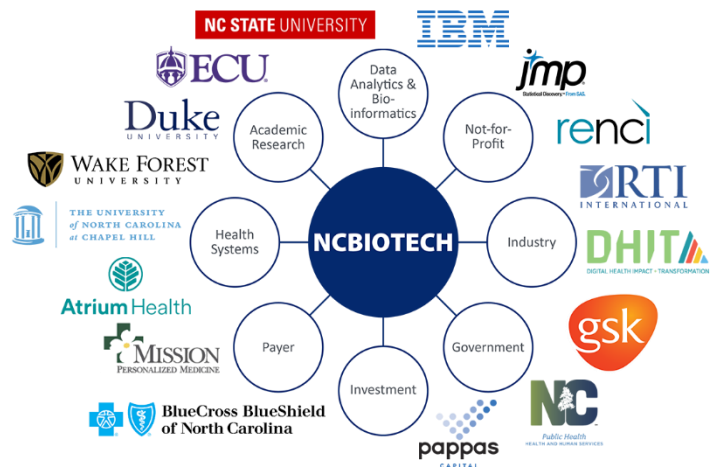
Convened by NCBiotech

Mission: Accelerate collaborative initiatives that foster research, enable providers, engage industry, and empower citizens to improve health outcomes and optimize resource utilization in North Carolina.

Precision Health: The Future of Health and Health Care

The National Institutes of Health (NIH) defines precision medicine as an emerging approach for disease treatment and prevention that takes into account individual variability in genes, environment, and lifestyle. Precision health extends the opportunities provided by the preventive, therapeutic, and diagnostic elements of precision medicine to address disease and population health challenges. Our focus on precision health expands the purview of precision medicine to capture not only new technologies but also the variety and diversity in tools, partners (e.g., public health) and ever-advancing innovations. All of these play critical roles in the full implementation of precision healthcare. In North Carolina, precision health efforts include the use of diagnostic techniques and population data to decipher disease susceptibility in order to assess appropriate public health interventions. See: <https://www.ncbiotech.org/transforming-life-science/sectors-of-attention/precision-health>

North Carolina possesses the capacity in its research and healthcare institutions, biomedical research and development capabilities, and information technology companies to become a global leader in precision health. To help develop the state's full potential in this important area, NCBiotech and a seminal group of committed partners have established the North Carolina Precision Health Collaborative (NCPHC). By stimulating growth in the precision health sector, the NCPHC and its partners can foster significant new innovations, create new precision health-based companies and jobs that draw investment capital to the state, all while improving the health of North Carolinians.



Core Efforts

NCPHC is finalizing the protocol for the **C**ancer & **H**ereditary **d**isease **M**anagement -- **P**opulation **S**creen (CHAMPS) pilot that will screen North Carolina residents for preventable or highly actionable conditions (e.g., Hereditary Breast and Ovarian Cancer, Lynch Syndrome and Familial Hypercholesterolemia). To raise more awareness in NC, we continue to develop and deploy precision health-oriented educational programming and materials for health care professionals as well as work with partners to inform and advance policies for implementation of precision health innovation.

Key Activities and Resources

NCBiotech and NCPHC are hosting or partnering on a variety of precision medicine conferences this year as well as collecting and creating diverse toolkits and resources to facilitate research and implementation of precision health in the clinical and public health settings. We constantly explore and engage in strategic partnerships to further advance the sector in North Carolina and to improve the lives of citizens in our state.