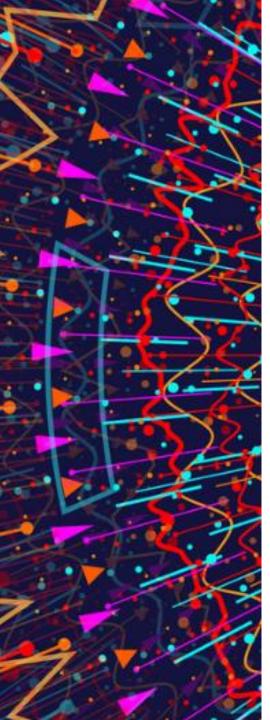


REVISITING WORKSHOP GOALS

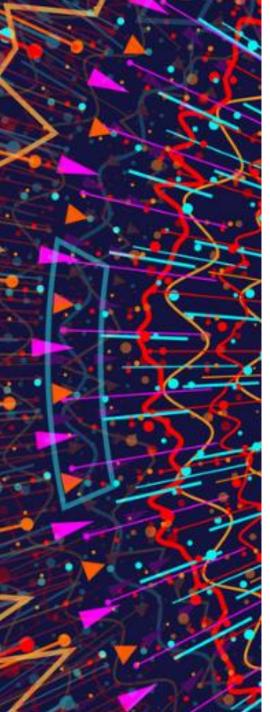
- Examine how the social determinants of health affect cancer risk and outcomes
- Explore novel big data sources & methodologies to assess the social determinants of health
- Consider ethical dimensions of big data research & opportunities to promote health equity
- Examine opportunities for collaboration & data sharing
- Discuss policy & research priorities to advance progress on improving health equity and reducing disparities in cancer



EXAMINE HOW THE SOCIAL DETERMINANTS OF HEALTH AFFECT CANCER RISK AND OUTCOMES

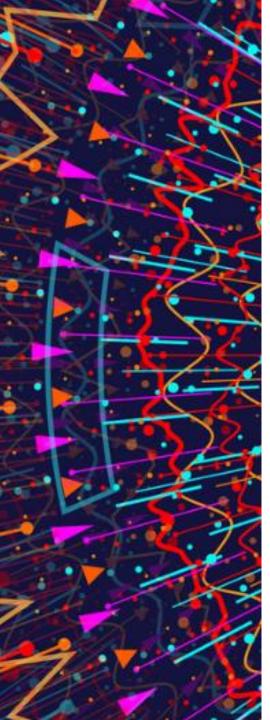
- Precision with terminology: SDOH distinct from social needs
- Which social risk factors are most impactful on cancer-related outcomes?
- Systems-based approach to defining the social determinants of health
- What are the opportunities for ongoing research to identify the contributing factors to cancer health disparities and how these factors change over time?
- How can complexity & intersectionality be applied to better understand social risk and prioritize opportunities for interventions to promote health equity?





EXPLORE NOVEL BIG DATA SOURCES & METHODOLOGIES TO ASSESS THE SOCIAL DETERMINANTS OF HEALTH

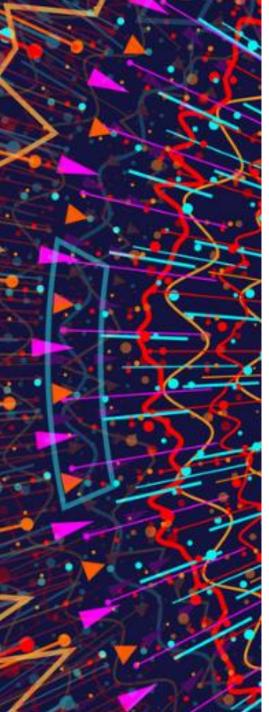
- Critical roles of trust and context
- Research should be aligned with patient and community priorities and concerns
- Conduct research with a purpose
- Data & methods are needed to capture, evaluate the complexity of exposures, context, & diseases across time
- Novel data sources & methods can be leveraged to complement and extend traditional paradigm of clinical trials research
- Specifying common data models—tradeoffs
- Data standardization, validation, and appropriate use of novel methods, analytics



CONSIDER ETHICAL DIMENSIONS OF BIG DATA RESEARCH & OPPORTUNITIES TO PROMOTE HEALTH EQUITY

- What technical, policy, and governance mechanisms can better protect patient privacy and data security?
- Are new regulatory paradigms and laws needed for ensuring data security & patient privacy without hampering research, especially in the big data era?
 - How can patients be protected without degrading the data?
 - Tradeoffs with fairness and privacy
 - Penalties for re-identification of patients
- How can trust ensure more equitable participation in research, and what are the opportunities to build trust?

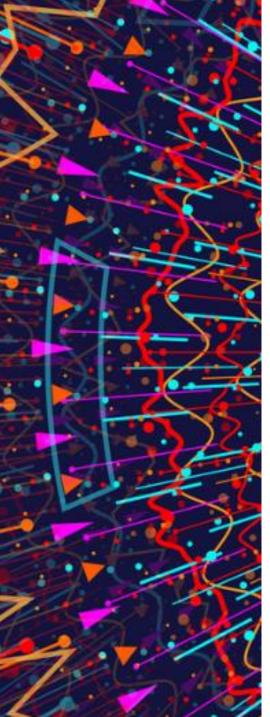




KEY WORKSHOP THEMES EXAMINE OPPORTUNITIES FOR COLLABORATION & DATA SHARING

- Collaborations, data sharing, and data fusion will be critical to advancing progress
- Investments in data infrastructure will facilitate progress
- Involving appropriate participants to ensure buy-in, identify champions, and promote transparency
- Prioritization of interventional-focused research that can scale
- Foster collaborations with community partners and federallyqualified community health centers

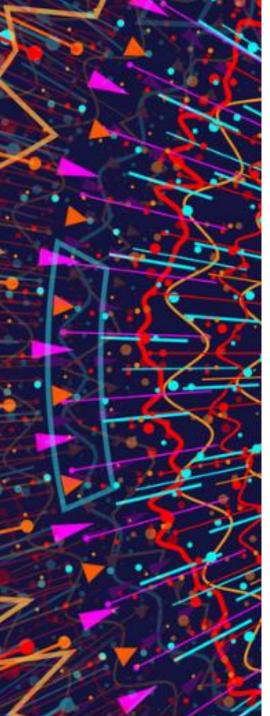




DISCUSS POLICY AND RESEARCH PRIORITIES TO ADVANCE PROGRESS ON IMPROVING HEALTH EQUITY AND REDUCING DISPARITIES IN CANCER

- Workforce and infrastructure development to analyze and use big data to address social determinants of health
- Broad, equitable patient access to clinical research and advances derived from research
- Mechanisms and incentives to hold health care organizations
 & insurers accountable for population health
- Experimentation with payment and care delivery models to expand precision oncology care to those who need it





CONCLUDING COMMENTS

- Standardizing the language of the social determinants of health
- Need to ensure EHRs incorporate the social determinants of health
- Ensuring that actionable interventions—based on big data research on social determinants—are implemented and appropriately scaled
- Collaboration requires compromise
- "In reach" may also be important to refining social determinants of health issues



