

New Charge to the NExTRAC

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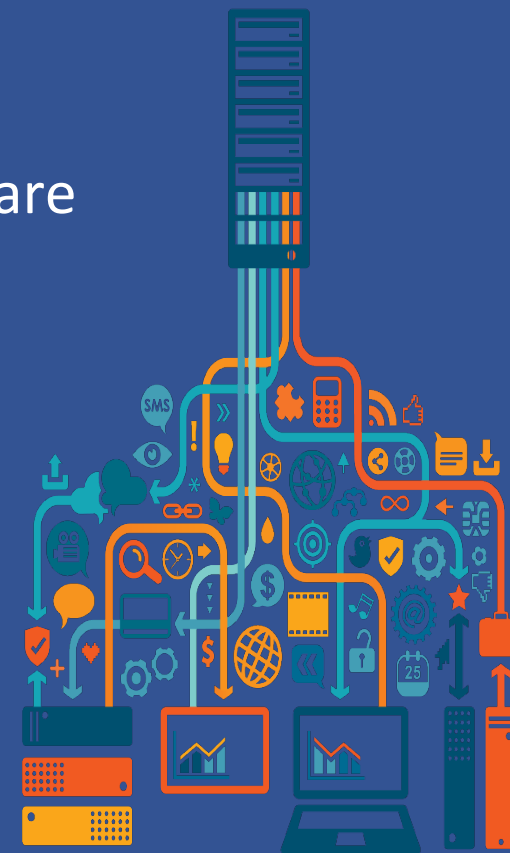
NExTRAC Meeting - June 25, 2021



Data Science and Emerging Technologies

1. Define and characterize the types of research questions that require increasing granularity and aggregation of data about individuals that are likely to be addressed through emerging technologies, considering:

- Goals of such research studies and how they advance the NIH mission
- Emerging technologies that may generate potentially sensitive data sets
- Data types generated and their sources (e.g., digital health devices, EHR platforms) with an emphasis on exploring new data types or unique sources
- Data science platforms and tools that facilitate data access, combination, and analysis (e.g., artificial intelligence, cloud computing)



Data Science and Emerging Technologies

2. For those questions/technologies, consult with stakeholders to discuss and assess the value of and potential implications for individuals, groups, and society, considering:

- Attitudes and perspectives about sharing participant data to advance biomedical research, specifically through the lens of balancing research risk (e.g., privacy, autonomy) with research deliverables
- How these perspectives may evolve depending on the context of who is to benefit or assume risk, whether it be at the individual level, through the community, or broader society's expectations for public health advancement



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