

2019 Health Datapalooza

Conference Tracks and Track Descriptions

- **Consumer-Facing Technologies**

Today, each one of us, whether we are a “patient” or not is involved in the dual roles of data generator and user, opening up opportunities for applications developers and entrepreneurs to play an increasingly important role in using patient level data to advance health. This track invites submissions that describe a range of innovations, including but not limited to:

- Consumers/patients accessing their own records;
- Mobile health, including social media, wearables, telehealth, and other stuff we haven’t even heard of yet;
- Demonstrating return on investment in consumer-facing technologies;
- More meaningful measurement of the care experience;
- Development and use of tools and other services to support cost transparency and purchasing tools for patients and consumers
- Successful approaches to engaging diverse populations; and
- Evolution of health data over a lifetime and the need for broader interoperability throughout the course

- **Data Privacy and Cybersecurity**

Efforts to increase data sharing within and outside of healthcare are surfacing tensions and important discussions about the value of data sharing (yeah, you know what we are talking about...), and offering new ways to ensure privacy and security safeguards for personal health information. This track invites submissions that showcase progress in addressing a range of challenges including but not limited to:

- Advancing data stewardship and governance;
- Understanding and addressing challenges in open data, de-identification, and data donation;
- New guidance, tools, and interpretations of regulatory and oversight procedures in the new data sharing ecosystem (GDPR, HIPAA, etc.); and
- Approaches to breach prevention, management, and mitigation.

- **Real World Evidence**

Entrepreneurs, large companies, academics, and regulators play a key role in generating, analyzing, and managing real world evidence (RWE) and supporting the data ecosystem and transforming the traditional scientific model. This track invites submissions that focus on all aspects of the changing world of science and evidence, in particular industry or industry/collaborator efforts related to various issues, including but not limited to:

- Promoting population health analytics and achieving quality targets;
- Novel data science and computational methods and models;
- Innovations in all aspects of research/data governance, including consent procedures/tools and human subjects considerations;
- Addressing the heterogeneity of patient populations and generating evidence to address disparate health outcomes; and

- Data-intensive applications and challenges related to precision medicine, the All of Us initiative, cancer moonshot, and other large-scale programs with industry involvement in the US or internationally.
- **Smart Data in Health Care**
Health care information technology applications are transforming the ways that structured and unstructured data are applied toward clinical decision-making. This track invites submissions that demonstrate new concepts of the following areas:
 - Supporting clinical decisions using artificial intelligence (AI), natural language processing (NLP), and machine learning;
 - Novel insights and learnings of human (provider, patient, consumer, et al.) - machine interfaces in the applications of health and healthcare data; and
 - Community-based and systems level initiatives involving data sharing and integration approaches from multi-sector partners across health, social services, and other data sources (e.g. criminal justice, transportation, housing, etc...); and
 - Innovations that are achieving measurable improvement in health disparities;
- **Value, Cost, and Design**
This is still the holy grail – solutions that provide demonstrable value improvement! Changing populations, dynamic payment models, and new interest in reuse of clinical data for quality improvement and research are creating pressures and opportunities for health system transformation. This track invites submissions that demonstrate innovations including, but not limited to:
 - Purchaser/payer activities to leverage analytics in their quest for value, improved outcomes, and better benefit design.
 - Usability and user-centered design innovations that led to process improvements and better patient and provider experiences;
 - Systems improvements and organizational changes that streamline technology adoption, data generation/exchange, and public reporting;
- **International**
Approaches to capturing, sharing and effectively using electronic health data for population health, clinical care, quality improvement, and research reflects policy and cultural priorities, and varies significantly around the globe. This track invites submissions that feature innovations from any and all countries (high, middle and low income) that address any of the other topics in this call as well as:
 - Technology adoption and implementation strategies at the multi-national, national and regional levels;
 - Tools, services policies and strategies for integrating health and social care;
 - Multi-lateral and multi-sector policy initiatives to promote data sharing and innovation;
 - Management of public and provider expectations about the availability of clinical data.
- **Wildcard**

Ok, so you still don't know where you fit? Your health data innovation does not neatly fit in the tracks noted above, or maybe it crosses all the tracks? Here is your chance to be

creative. The wildcard track invites super interesting ideas and projects, as well as non-traditional submissions. In addition to standard submissions (in word or PDF), you can submit short videos (3-5 minutes), images, and html objects. Impress us!