		SYSTEM TYPES															
		Basic Learning Systems: Supervised and basic unsupervised learning systems.	Advanced Learning Systems: Deep learning, multilayer system	Natural Language Processing: Includes semantic analysis	Patient Safety: Focuses on patient safety issues in artificial intelligence applications.	Knowledge Engineering: Knowledge representation, ontologies, taxonomies·	Data Management: Data governance, data quality, meta data management, and other data related issues·	Compliance: Focuses on regulatory compliance issues·	Other Technology: Includes games etc. for healthcare and medicine applications·	Multimodality Inference Engines: guides the development of artificial intelligence inference engines that receive data from multiple modalities and data is often unstructured and of different types·	Affective Systems: Systems that focus on emotion emotions Other proposed tracks include	Vision-based sensing and image recognition	Spatial and contextual awareness	Reasoning and decision automation	Pattern recognition	Noise Filtering	Virtual Reality
Mental and Behavioral Health	Mental and behavioral health and will be composed of applications in mental health including but not limited to the application of affective systems in behavioral health.																
Clinical Systems:	In-patient and outpatient systems used for care delivery, care management, patient monitoring, and care coordination. Includes all patient monitoring systems etc. This area excludes genetic, interactive physician, and smart diagnostics.																
Nonclinical Systems:	Inpatient and outpatient systems used for administrative, operational support, financial, nonclinical data management, workflow management, procurement, wellness and lifestyle education, general health information, and other nonclinical healthcare data.																
Clincial Imaging	This area of society will focus on artificial intelligence use in imaging. The coverage will include all types of imaging including nuclear and molecular imaging, MRI, CT, ultrasound, photoacoustic, and others.																
Surgery	This area focuses on artificial intelligence technologies used in surgery.																
Decision Support	This area focuses on advanced analysis where sophisticated analysis of clinical information (including but not limited to health records and claims information) is analyzed. Risk stratification, advanced population health management, etc. are examples of the focus area.																
Smart Diagnostics	Data driven diagnostic systems that use machine intelligence, cognitive intelligence, or other types of artificial intelligence to study (physical, mental, or behavioral) symptoms and diagnose diseases. These diagnostic systems are not imaging based.																
Smart Therapeutics	Data driven therapeutic systems that provide therapies, recommend therapies, and/or prescribe therapies, automated-physicans.																
Genetics: All systems related to human genome and genetics based therapeutics; Molecular Medicine	Genetics: All systems related to human genome and genetics based therapeutics.																
Pharmaceutical: These are the AI based systems included	Pharmaceutical: These are the AI based systems including preclinical imaging, drug development analytics, clinical trials analytical systems																