Unlocking Cures for Pediatric Cancer with Artificial Intelligence (AI)

Administration Policy:

President Trump issued an Executive Order (EO) titled Unlocking Cures for Pediatric Cancer with Artificial Intelligence, to support innovation to prevent and treat childhood diseases, including through the use of artificial intelligence.

This EO directs the MAHA commission, Secretary of Health and Human Services (HHS), Assistant to the President for Science and Technology (APST), and Special Advisor for AI and Crypto, to develop innovative ways to utilize advances technologies such as AI to improve diagnoses, treatments, cures, and prevention for pediatric cancer. The EO prioritizes improving data infrastructure, enhancing data analysis with advanced technology, and improving clinical trials by incorporating multimodal data and using AI technology

The MAHA commission, Secretary of HHS, Director of Office of Budget and Management (OMB), Director of the National Institutes of Health (NIH), and ASPT are directed to prioritize expanding pediatric cancer research and advancements in care. The EO calls for increased investment from existing federal funds for initiatives that address pediatric cancer. It also encourages the private sector to make use of the most advanced technologies to unlock cures for pediatric cancer

The Secretary of HHS and APST are directed to ensure AI innovation is integrated in current work to improve interoperability to maximize electronic health records (EHRs), while ensuring patients and their parents are in full control of their own health data.

Background:

- Pediatric Cancer is the leading cause of disease-related deaths for children in the United States.
- In 2019, the Trump administration created the Childhood Cancer Data Initiative (CCDI) to collect, standardize, and facilitate appropriate use of pediatric cancer data.
  - Sec. 2 of this EO calls to accelerate the progress of AI-driven solutions at the CCDI, while Sec. 3 of this EO calls for increased investment from existing federal funds for the CCDI.
- A fact sheet from the White House can be found here.