We all know them: the elderly who fall while walking, only to get up with difficulty, their hearts suddenly stop. If you don’t have someone around to watch for that stop, you might be surprised to see how many actually have done so, many without realizing it. We need to have the ability to detect falls in seniors and then initiate a timely response.

Dr. Ronald Cohn, president and CEO, SickKids, says, "To be able to help children is so important because they have their whole adult life ahead of them." She says, "We can actually make a huge difference in their lives."

As the newest member of the AM team, Melanie McDonald, inaugural fellow of Ethics of AI and health law, makes sure the tech being utilized in the work she does is "head and shoulders." She says, "We have to make sure that the tech can be trusted and eliminated from the process." The tech being used should be made with transparency, fairness, and the measures of humanity, Dr. McDonald said. She also foresees philanthropic implications, including bias. For example, by having a data ethicist onboard, a patient could ask, "What decisions were made to explain the data to the patient and families?"

Every diagnosis and treatment option can be reviewed from the insights of big data, and advancement in medicine will be personalized and patient-focused. It will predict and prevent what can be a costly, life-threatening situation, and daily life can be entirely transformed. "We are excited about the potential of AI technology and its ability to transform medicine," she says, "and to help children with the greatest of hope."