

REGIONAL AGENDA

for Leadership in Health Technology

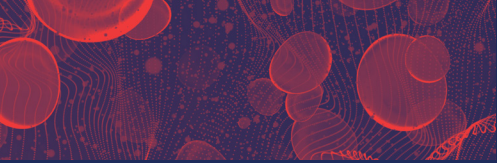
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Post Lifftoff PGH 2020, the Jewish Healthcare Foundation has identified six objectives that could take us to new frontiers of population health and safety in our **Regional Agenda for Leadership in Health Technology**:

1. New Models of Primary Care will transcend the current condition which fails the needs of both patient and provider. New models will eliminate long wait times, unreliable and underused electronic health systems, and a shocking lack of transparency in cost, quality, and safety. Advanced analytics will create personalized care plans and targeted interventions; telemedicine and other technologies will provide care where and when a consumer needs it; digital monitoring will enable early intervention and prevention; and so much more.

2. A Revolution in Health Professions and Education will enable the above and beyond with a renewed focus on competency-based modes of learning. Training and certifying a small army of community health workers armed with smart phones will allow on-site, at-home, and in-community rapid diagnostics and prescribing, mental health interventions, supports for independent living, prevention and rapid (customized) treatment. Health professions education will be re-envisioned, reinvented, and streamlined using new technology (such as virtual reality) to expand human capacity and accelerate skill acquisition. This is long overdue, as the pandemic illustrated. Our public health infrastructure and capacity will be revolutionized and will engage available technologies to connect advanced epidemiology analytics with on-the-ground action.

3. Price, Safety and Quality Transparency will allow rapid identification and financial rewards for centers of excellence. This will require centralized, national data repositories—using advanced analytics that are reliable, credible, standardized, and accessible—to create an authentic healthcare marketplace where consumers can identify care that is seamless and predictably excellent. This will also align the overall patient experience, outcomes of care, and the application of best-practice health care with appropriate payment incentives.



4. Automated, Autonomous Patient Safety using technologies, such as artificial intelligence and machine learning, with advanced data monitoring systems will predict, correct for, and prevent cases of medical error before they occur. The human/machine partnership will relieve the cognitive overload and limitations of clinicians with technology enhancements.

5. Compensating for the Effects of Aging, technology will assist seniors and their caregivers by preventing a steady and inevitable functional decline. New tools will allow seniors to age in place and maintain a high quality of life by bringing medical, safety and security, social, emotional, and physical supports into the home. New approaches (e.g. the “digital twin”) will accelerate the pace of scientific discovery and upend the traditional controlled clinical trial.

6. New Perspectives on “Successful Maternity” will employ technology to expand our capacity for comprehensive maternity care, engaging and assisting expectant mothers, families, midwives, doulas, and perinatal community health workers to reverse the disappointing pregnancy and birth outcomes in our country. Success going forward will include the bonding of mother and infant, the financial and food security of the family unit, the development of the infant, the emotional health of the new mother, and the connection to appropriate services.

