RESOLUTION

Subject: Physician Trainees' Engagement in AI Governance and Medical Education

Submitted by: Greater Louisville Medical Society

Referred to: Reference Committee

WHEREAS, augmented intelligence (AI) is rapidly transforming healthcare delivery and medical education, introducing new opportunities and complex ethical challenges related to patient privacy, data security, clinical decision-making, and healthcare equity; and

WHEREAS, medical students and resident physicians are uniquely positioned on the front lines of clinical care and medical training, directly experiencing both the benefits and consequences of AI integration in patient care and medical education; and

WHEREAS, leading organizations such as the American Medical Association (AMA)[1], Association of American Medical Colleges (AAMC)[2], and National Academy of Medicine[3] have emphasized the urgent need for clear ethical frameworks to guide the use of AI in healthcare, including the importance of addressing issues of bias, transparency, data privacy, and human oversight; and

WHEREAS, the absence of medical students and resident physicians' input in the development and implementation of AI policies risks overlooking the practical realities, educational needs, and unique challenges faced by trainees, potentially impacting both patient safety and the quality of graduate medical education; and

WHEREAS, AI systems are only as reliable and equitable as the data and oversight that shape them, and human review – including that of physician trainees – is essential to prevent errors and bias in patient care; and

WHEREAS, meaningful physician trainee participation in AI policy and implementation development will ensure that future physicians are prepared to navigate the evolving landscape of technology in medicine, advocate for patient interests, and uphold the highest standards of ethical practice; now, therefore, be it

RESOLVED, that KMA supports the creation of a resident and medical student-led augmented intelligence (AI) review committee to ensure physician trainee participation in the development, implementation, and oversight of AI policies in clinical and educational setting for the Commonwealth; and be it further

RESOLVED, that KMA advocate for the integration of physician trainees' perspectives into all institutional and statewide augmented intelligence (AI) committees and support the development of educational modules on clinical implementation of AI co-designed by physician trainees.

KMA House of Delegates
August 2025

References:

1. Augmented intelligence in medicine. American Medical Association. April 1, 2025. https://www.ama-assn.org/practice-management/digital-health/augmented-intelligence-medicine
2. Principles for the Responsible Use of Artificial Intelligence in and for Medical Education. AAMC. January 3, 2025. https://www.aamc.org/about-us/mission-areas/medical-education/principles-ai-use
3. National Academy of Medicine. Health Care Artificial Intelligence Code of Conduct. October 23, 2024. https://nam.edu/our-work/programs/leadership-consortium/health-care-artificial-intelligence-code-of-conduct/