A Code of Professional Ethical Conduct for the American Medical Informatics Association: An AMIA Board of Directors Approved White Paper

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Abstract
The AMIA Board of Directors has decided to periodically publish AMIA’s Code of Professional Ethical Conduct for its members in the Journal of the American Medical Informatics Association. The Code also will be available on the AMIA Web site at www.amia.org as it continues to evolve in response to feedback from the AMIA membership. The AMIA Board acknowledges the continuing work and dedication of the AMIA Ethics Committee. AMIA is the copyright holder of this work.

Introduction
The American Medical Informatics Association, in common with other large professional societies, has had a longstanding interest in promoting a strong ethical framework for its membership. For example, see Robert Greenes and the AMIA Board of Directors’ 1994 strategic plan description in the Journal of the American Medical Informatics Association. Additional reading and related professional codes that influenced the Ethics Committee’s most recent deliberations on this iteration of the Code are also available.

This white paper presents the new AMIA Code of Professional Ethical Conduct, which was approved in February 2007 by the AMIA Board of Directors. In an effort to keep pace with the intrinsic changes within the field itself, the code of ethics below presents the first iteration of a dynamic document. It will evolve as the field itself evolves. The AMIA Web site (www.amia.org) will continue to publish the most up-to-date version of the code. That iterative process hinges on continued input from the AMIA membership.

The code is meant to be practical and easily understood, so it is presented in a compact form using very general language. Unlike the ethics codes of some professional societies, the AMIA code is not intended to be prescriptive; it relies on the common sense of the membership. It provides broad strokes for a set of important ethical principles that are especially pertinent to the field of biomedical informatics. The code encompasses the common roles played by AMIA members and the constituents they serve. The AMIA Board and the AMIA Ethics Committee encourage AMIA members to flesh out gaps in coverage and scope. We are especially interested in real-world examples of ethical situations members have encountered. Learning from examples, and the changes suggested from feedback will help the code to evolve to better serve the informatics community.

Principles of Professional Ethical Conduct for the American Medical Informatics Association
As a member of the American Medical Informatics Association, I acknowledge my professional duty to uphold the following principles and guidelines of ethical conduct.
I. Key ethical guidelines regarding patients, their families, their significant others, and their representatives (called here collectively “patients”)
   A. Patients have the right to know about the existence of electronic records containing personal biomedical data.
      1. Do not mislead patients about the how these data are used, about the origin of these data, nor about how and with whom these data are communicated.
      2. Answer truthfully patients’ questions concerning their rights to review and annotate their own biomedical data, and seek to facilitate a subject’s legitimate right to exercise those rights.
   B. Advocate and work to ensure that biomedical data are maintained in a safe, reliable, secure, and confidential environment that is consistent with applicable law, local policies, and accepted informatics processing standards.
   C. Never knowingly disclose biomedical data in a fashion that violates legal requirements or accepted local confidentiality practices. Likewise, even if it does not involve disclosure, never use patients’ data outside the stated purposes, goals, or intents of the organization responsible for these data.
   D. Treat the data of all patients with equal care, respect, and fairness.

II. Key ethical guidelines regarding colleagues
   A. Facilitate colleagues’ work in a timely, respectful, and conscientious way to support their role in the health care or research enterprise.
   B. Advise colleagues in a timely fashion about real or potential adverse outcomes or adverse situations you discover that could hinder their ability to discharge their responsibilities to patients, other colleagues, involved institutions, or other stakeholders.
   C. To the extent you can, foster a professional environment that is conducive to the highest ethical and technical standards.
   D. Disclose to colleagues any personal biases, prejudices, technical shortcomings, or other constraints that may hinder your ability to discharge your professional responsibilities.
   E. If you work as a leader,
      1. Communicate and promote these ethical guidelines to those you lead, and
      2. Manage personnel and other resources effectively and fairly, and
      3. Communicate and promote policies that protect the dignity of patients and colleagues.
   F. Be forthright in correcting malfeasance or unprofessional conduct on the part of colleagues.

III. Key ethical guidelines regarding institutions, employers, and clients (called here collectively “employers”)
   A. In a professional working relationship, employers have the right to expect from you diligence, honesty, and loyalty to common purpose. In return, exercise your right to work in a fair, safe, honest, and productive environment.
   B. Work to apply the guidelines for patients (described above in I) to your relationship with an employer (e.g., do not mislead; be truthful; maintain a safe, reliable, secure, and confidential data environment; do not disclose confidential or sensitive information; treat the employer fairly).
   C. Likewise, work to apply the guidelines for colleagues (described in above in II) to your relationship with an employer (e.g., facilitate the working enterprise in a timely, respectful, and conscientious way; immediately advise an employer of adverse or disadvantageous circumstances; work to foster an ethical and technically proficient professional environment; and disclose biases, prejudices, technical shortcomings, or other constraints on your ability to conduct your assignments).
   D. Learn and respect your intellectual property rights and interests as well as those of your employer, colleagues, and patients.
   E. Learn and respect the legal obligations of your employer, and comply with local policies and procedures to the extent that they do not violate ethical norms.

IV. Key ethical guidelines regarding society and regarding research
   A. Be mindful and respectful of the societal or public health implications of your work, ensuring that the greatest good for society is realized by your work under the constraints of your ethical obligations to your patients, colleagues, and employers. The constraints of your ethical obligations to your patients, colleagues, and employers are not absolute—carefully weigh those obligations against the potentially greater interests of society and the public’s welfare.
   B. Basic human rights, especially as articulated and regulated in conducting research, must remain the highest ethical standard.
   C. Know the applicable governmental regulations and local policies that define ethical research in your professional environment. Strive to meet the spirit as well as the letter of those regulations and policies.

V. General ethical guidelines
   A. Always disclose to any relevant party all real or potential conflicts of interest that may constrain your professional work.
   B. Maintain your competence as an informatics professional.
      1. Recognize your technical and ethical limitations and seek consultation when needed.
      2. Work diligently to meet the continuing education expectations in your field, and if you undertake service obligations (e.g., voluntary participation on technical committees or membership on regulatory boards) discharge these duties with the same care and conscientiousness as you would your regular duties.
   C. Take responsibility for your actions and your work, while taking and sharing credit where credit is due.
   D. Avoid exploiting professional relationships, especially positions in AMIA, for personal gain beyond those reasonably expected for “good service.”
   E. Respect professional confidences to the extent that it does not hinder other ethical obligations.
F. Strive to encourage the adoption of informatics approaches proven to improve health and health care.
1. Strive to make research, development, and evaluation of health information technology a priority.
2. Strive to involve others who have appropriate expertise in biomedical and health informatics initiatives in your own work.

G. Be mindful that your work and actions reflect both on the profession and on the AMIA organization as a whole.

VI. Enforcement, compliance, and violations
The adoption of a code of ethical conduct naturally raises the question of compliance. What are the consequences of violating the code? How is the code enforced? The authors have suggested to the AMIA Board of Directors that these are issues best decided by the AMIA membership itself. In future forums, AMIA will initiate a dialog with the membership to seek consensus on this important topic.

References